

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060519\
 Data File : VN055995.D
 Acq On : 5 Jun 2019 8:59
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 12:04:42 PM

Quant Time: Jun 06 01:28:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	356829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	516877	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	466389	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	216602	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	169534	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
35) Dibromofluoromethane	7.59	113	155772	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
50) Toluene-d8	10.09	98	611595	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
62) 4-Bromofluorobenzene	12.40	95	214855	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	194202	49.543	ug/l	100
3) Chloromethane	2.06	50	196578	50.821	ug/l	100
4) Vinyl Chloride	2.18	62	198589	51.183	ug/l	99
5) Bromomethane	2.53	94	127911	52.188	ug/l	98
6) Chloroethane	2.68	64	115705	51.433	ug/l	98
7) Trichlorofluoromethane	3.00	101	249214	50.313	ug/l	99
8) Diethyl Ether	3.40	74	101175	49.670	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	155959	51.833	ug/l	99
10) Methyl Iodide	3.94	142	240483	50.294	ug/l	98
11) Tert butyl alcohol	4.81	59	131137	212.691	ug/l	99
12) 1,1-Dichloroethene	3.72	96	151481	50.569	ug/l	97
13) Acrolein	3.60	56	38788	218.130	ug/l	98
14) Allyl chloride	4.31	41	238774	50.480	ug/l	99
15) Acrylonitrile	4.99	53	376832	251.073	ug/l	100
16) Acetone	3.82	43	442196	260.958	ug/l	99
17) Carbon Disulfide	4.04	76	375113	52.300	ug/l	100
18) Methyl Acetate	4.32	43	160064	48.066	ug/l	97
19) Methyl tert-butyl Ether	5.04	73	477553	50.014	ug/l	99
20) Methylene Chloride	4.54	84	172291	49.351	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	162612	50.665	ug/l	96
22) Diisopropyl ether	5.95	45	482947	49.392	ug/l	98
23) Vinyl Acetate	5.89	43	1992515	258.767	ug/l	99
24) 1,1-Dichloroethane	5.84	63	280516	49.735	ug/l	99
25) 2-Butanone	6.84	43	548809	256.338	ug/l	99
26) 2,2-Dichloropropane	6.82	77	226063	51.365	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	189881	50.329	ug/l	97
28) Bromochloromethane	7.19	49	128639	48.229	ug/l	97
29) Tetrahydrofuran	7.21	42	320383	242.088	ug/l	98
30) Chloroform	7.37	83	282412	49.774	ug/l	99
31) Cyclohexane	7.65	56	269212	47.885	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	242600	51.203	ug/l	99
36) 1,1-Dichloropropene	7.79	75	216083	48.619	ug/l	99
37) Ethyl Acetate	6.93	43	198264	50.137	ug/l	100
38) Carbon Tetrachloride	7.77	117	204225	49.841	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	279499	50.483	ug/l	99
40) Benzene	8.04	78	671375	49.736	ug/l	99
41) Methacrylonitrile	7.17	41	88359	48.564	ug/l	91
42) 1,2-Dichloroethane	8.12	62	206484	47.554	ug/l	99
43) Isopropyl Acetate	8.16	43	319838	49.912	ug/l #	92
44) Trichloroethene	8.83	130	193561	49.902	ug/l	100
45) 1,2-Dichloropropane	9.12	63	171447	49.586	ug/l	98
46) Dibromomethane	9.20	93	112944	49.953	ug/l	99
47) Bromodichloromethane	9.40	83	212497	51.855	ug/l	98
48) Methyl methacrylate	9.20	41	154224	49.194	ug/l	96
49) 1,4-Dioxane	9.20	88	65278	964.492	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	984924	245.783	ug/l	98
52) Toluene	10.15	92	427178	50.856	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	233640	48.696	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	266014	54.005	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	167790	50.429	ug/l	99
56) Ethyl methacrylate	10.43	69	254991	52.531	ug/l	97
57) 1,3-Dichloropropane	10.71	76	272739	50.424	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	443703	231.703	ug/l	98
59) 2-Hexanone	10.75	43	734232	252.800	ug/l	99
60) Dibromochloromethane	10.90	129	177896	48.552	ug/l	99
61) 1,2-Dibromoethane	11.00	107	177573	52.205	ug/l	99
64) Tetrachloroethene	10.63	164	196217	48.603	ug/l	99
65) Chlorobenzene	11.43	112	461412	49.710	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	167724	52.332	ug/l	99
67) Ethyl Benzene	11.51	91	814818	50.484	ug/l	98
68) m/p-Xylenes	11.62	106	629686	102.128	ug/l	98
69) o-Xylene	11.94	106	306077	50.467	ug/l	99
70) Styrene	11.96	104	515777	53.524	ug/l	99
71) Bromoform	12.12	173	128771	47.974	ug/l #	100
73) Isopropylbenzene	12.25	105	809255	52.538	ug/l	100
74) N-amyl acetate	12.07	43	276979	47.971	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	231672	46.074	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	195119m	48.956	ug/l	
77) Bromobenzene	12.52	156	219320	47.294	ug/l	95
78) n-propylbenzene	12.59	91	882096	48.138	ug/l	99
79) 2-Chlorotoluene	12.67	91	529936	52.243	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	680611	46.734	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	63847	53.348	ug/l	96
82) 4-Chlorotoluene	12.77	91	527873	49.239	ug/l	99
83) tert-Butylbenzene	12.99	119	591560	52.488	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	676777	49.004	ug/l	99
85) sec-Butylbenzene	13.17	105	771665	47.552	ug/l	100
86) p-Isopropyltoluene	13.29	119	712873	49.084	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	360389	50.212	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	347571	50.341	ug/l	100
89) n-Butylbenzene	13.61	91	563672	52.392	ug/l	99
90) Hexachloroethane	13.87	117	110489	50.446	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	353749	48.818	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	37549	52.210	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	185356	46.724	ug/l	99
94) Hexachlorobutadiene	15.01	225	131834	53.177	ug/l	100
95) Naphthalene	15.13	128	469068	45.640	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	190055	46.902	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

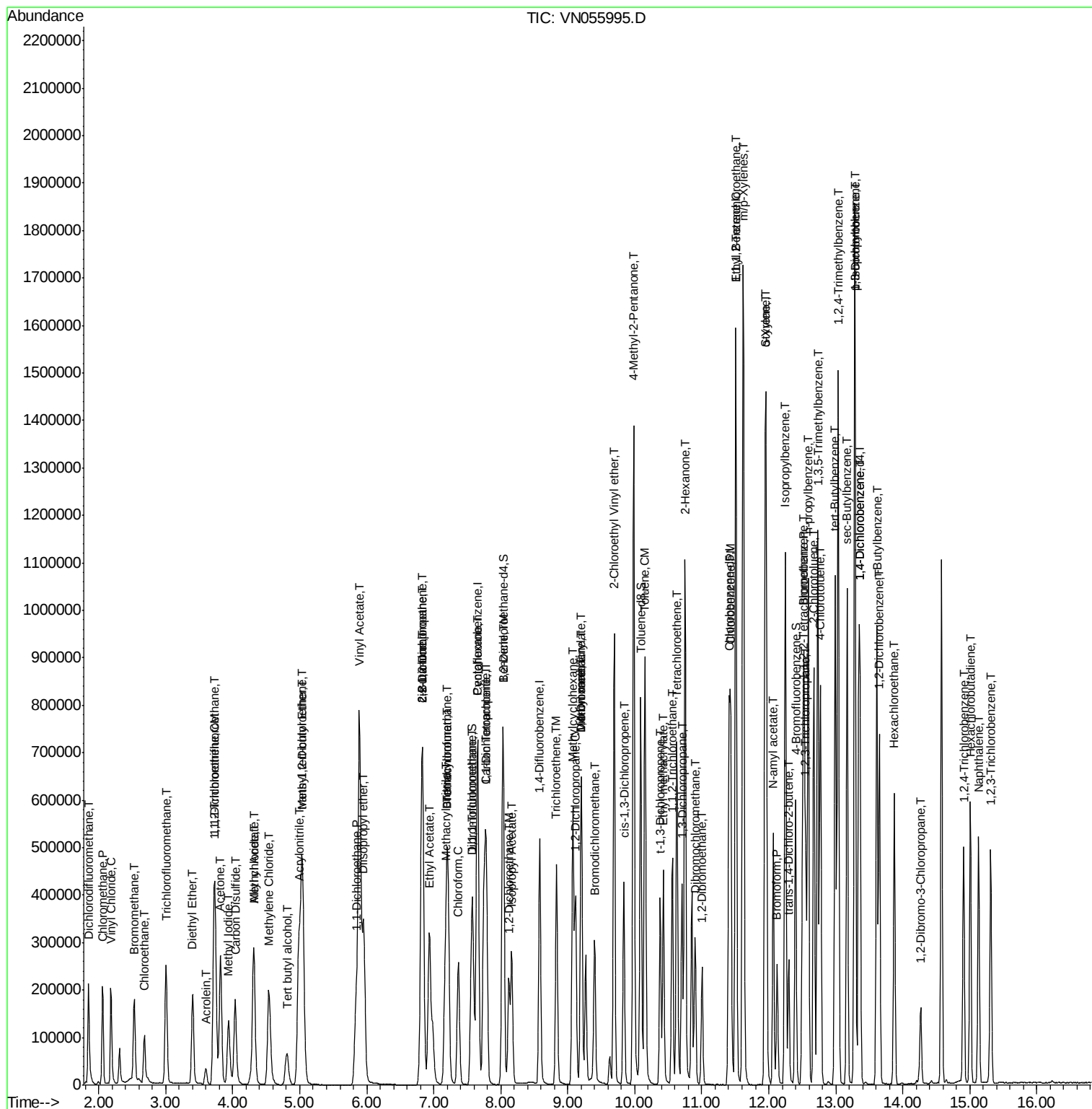
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060519\
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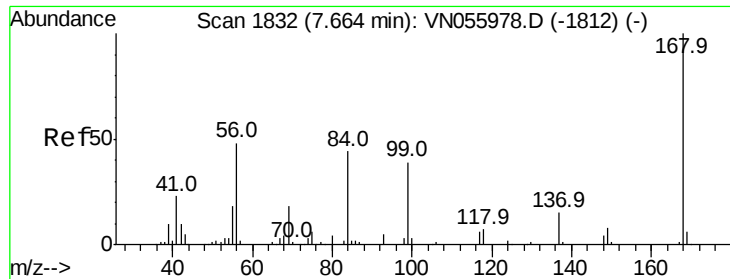
Instrument :
MSVOA_N
ClientSampleId :
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN055995.D

Acq: 5 Jun 2019 8:59

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 356829

Ion Ratio Lower Upper

168 100

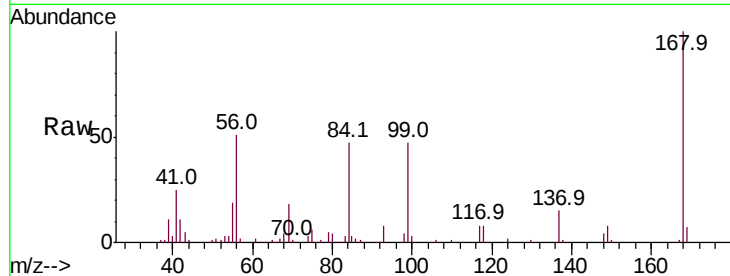
99 46.1 37.2 55.8

Manual Integrations

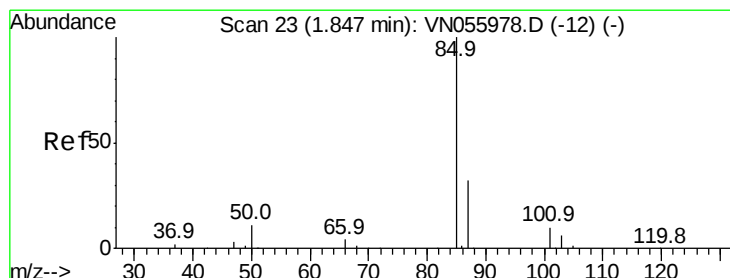
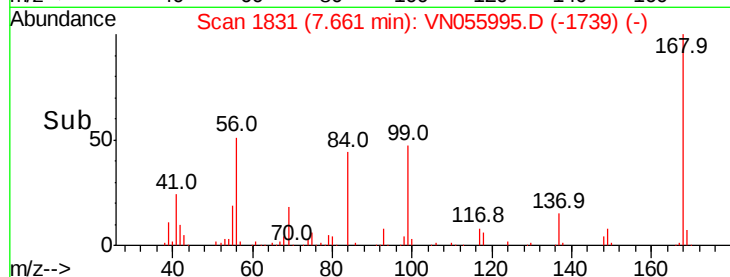
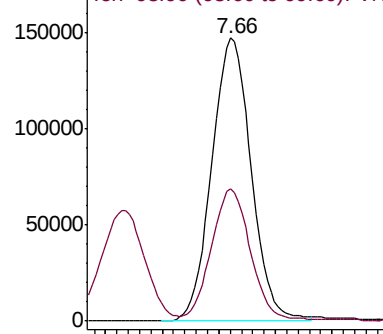
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6/6/2019 12:04:42 PM



Abundance Ion 167.90 (167.60 to 168.60): VN055978.D (-1812) (-)



#2

Dichlorodifluoromethane

Concen: 49.543 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055995.D

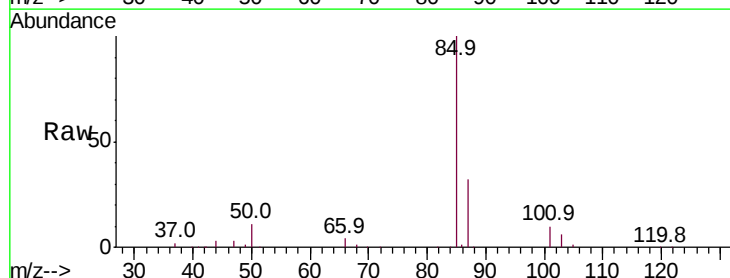
Acq: 5 Jun 2019 8:59

Tgt Ion: 85 Resp: 194202

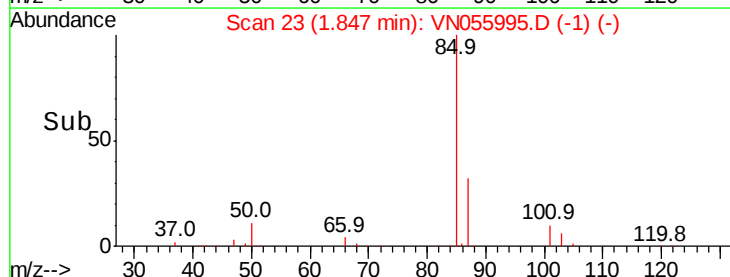
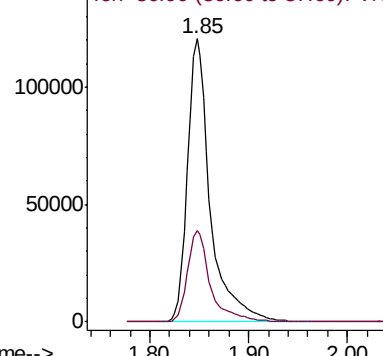
Ion Ratio Lower Upper

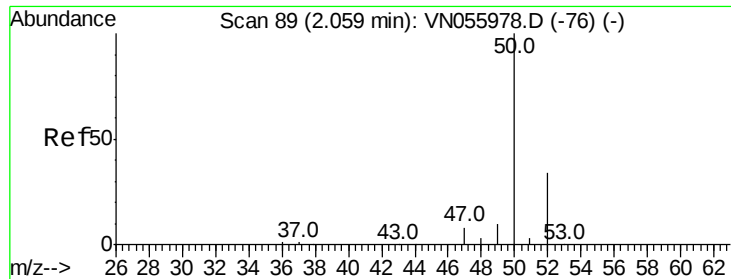
85 100

87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN055978.D (-12) (-)





#3

Chloromethane

Concen: 50.821 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055995.D

Acq: 5 Jun 2019 8:59

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 196578

Ion Ratio Lower Upper

50 100

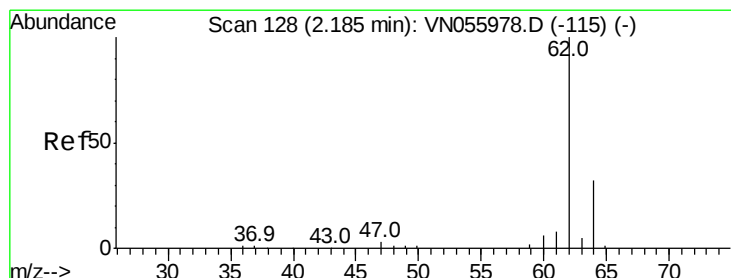
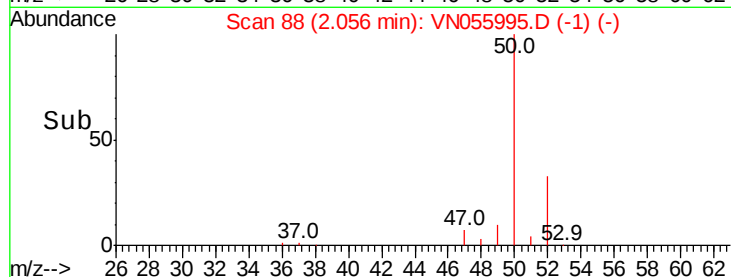
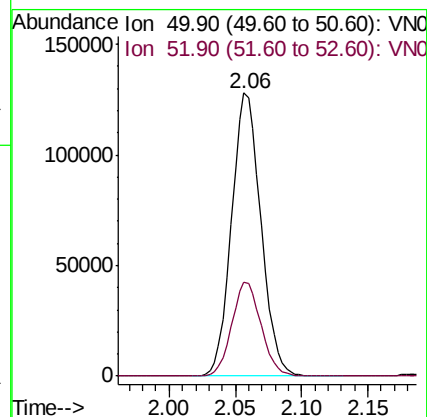
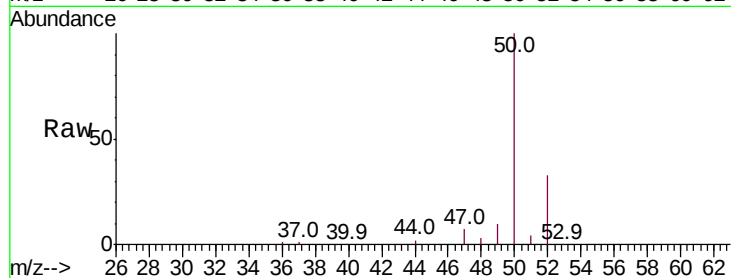
52 33.0 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.183 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN055995.D

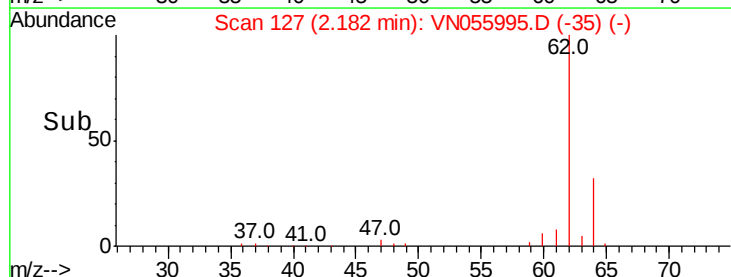
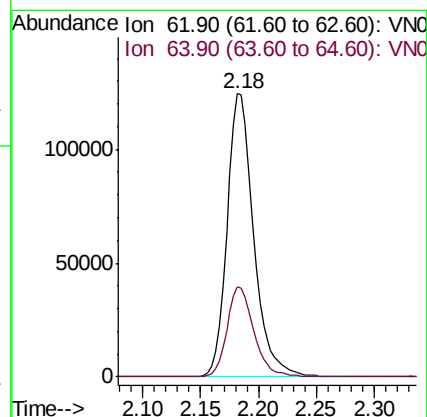
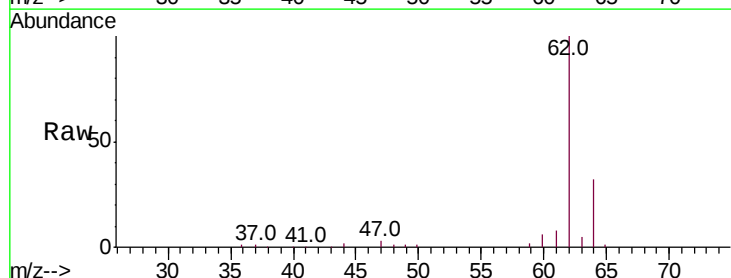
Acq: 5 Jun 2019 8:59

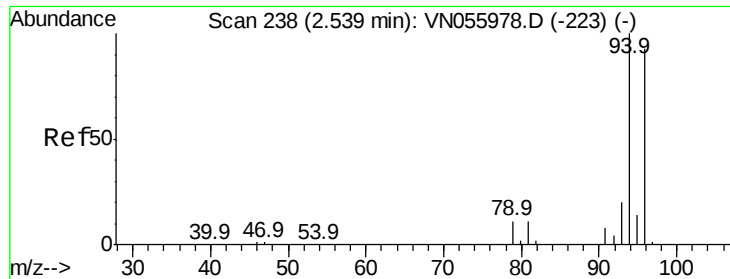
Tgt Ion: 62 Resp: 198589

Ion Ratio Lower Upper

62 100

64 31.7 25.6 38.4





#5

Bromomethane

Concen: 52.188 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.01 min

Lab File: VN055995.D

Acq: 5 Jun 2019 8:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 127911

Ion Ratio Lower Upper

94 100

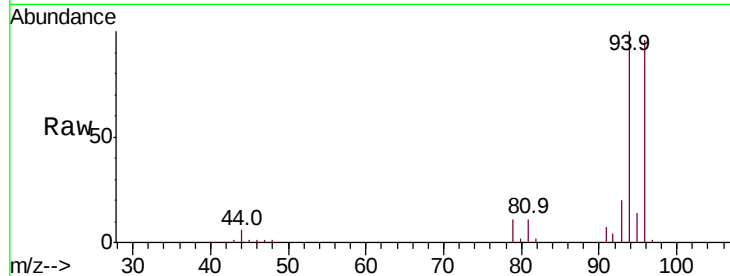
96 96.3 75.5 113.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN055978.D (-223) (-)

Ion 95.90 (95.60 to 96.60): VN055995.D (-145) (-)

2.53

60000

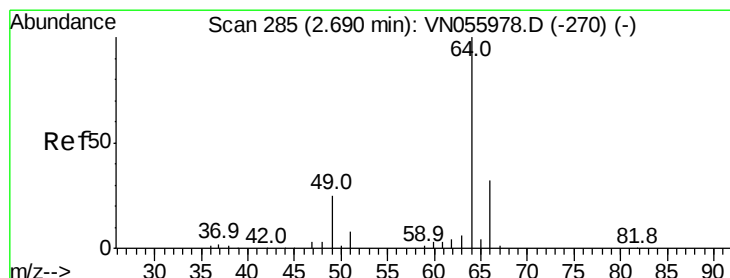
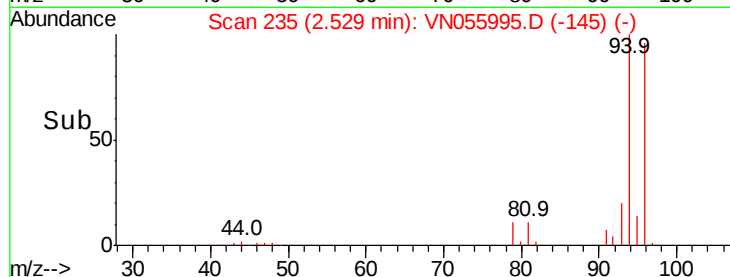
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20000

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Time-->

2.45 2.50 2.55 2.60



#6

Chloroethane

Concen: 51.433 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.01 min

Lab File: VN055995.D

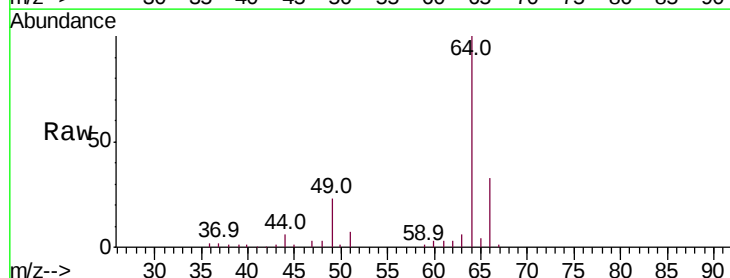
Acq: 5 Jun 2019 8:59

Tgt Ion: 64 Resp: 115705

Ion Ratio Lower Upper

64 100

66 32.7 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN055978.D (-270) (-)

Ion 65.90 (65.60 to 66.60): VN055995.D (-192) (-)

2.68

60000

50000

40000

30000

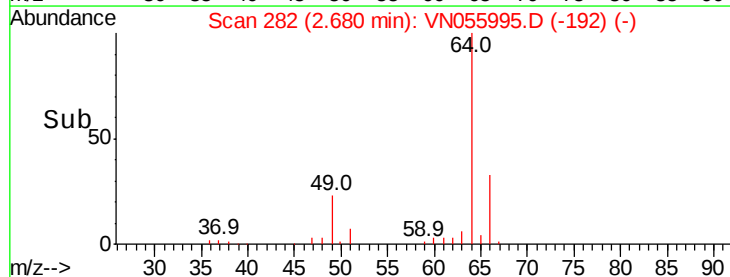
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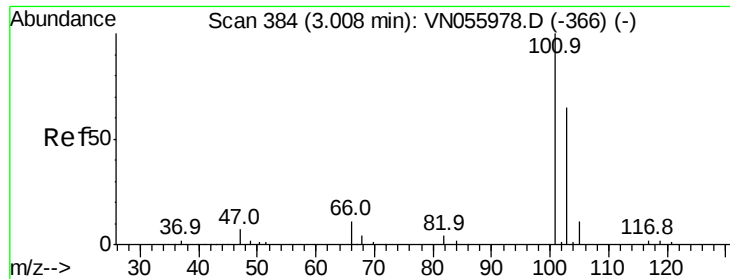
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0

Time-->

2.60 2.70 2.80





#7

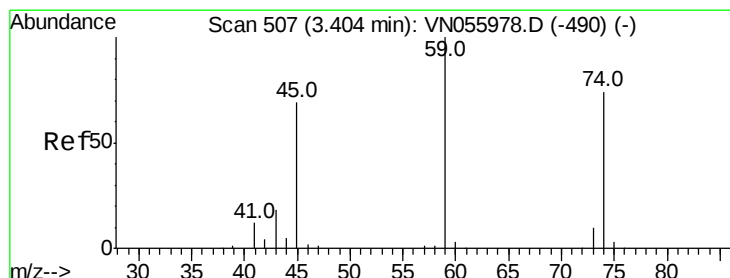
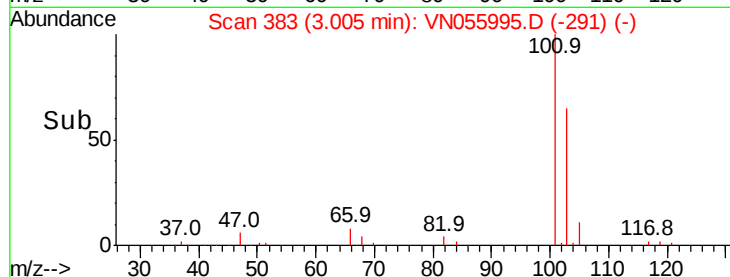
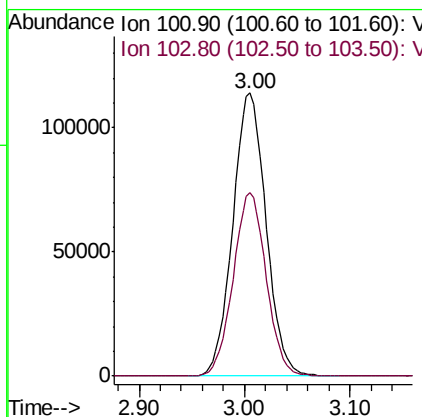
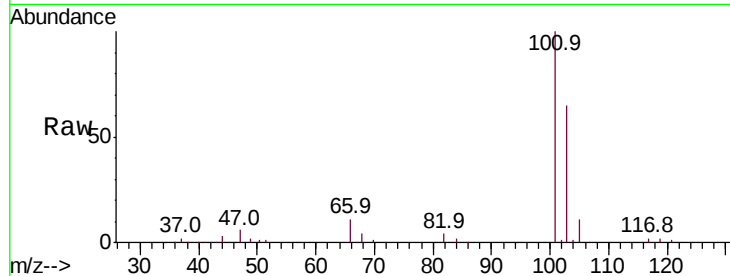
Trichlorofluoromethane
 Concen: 50.313 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VN055995.D
 Acq: 5 Jun 2019 8:59

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.2	76.8

Manual Integrations
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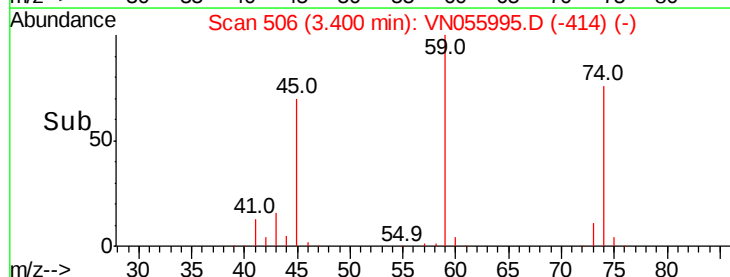
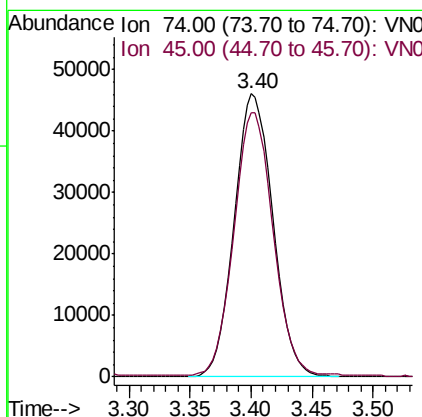
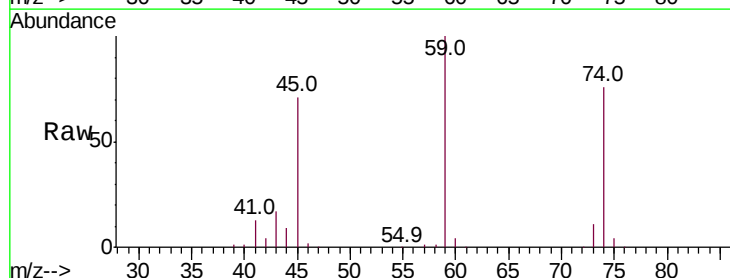
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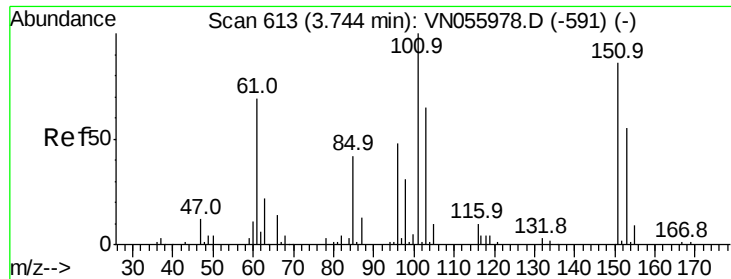


#8

Diethyl Ether
 Concen: 49.670 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. -0.00 min
 Lab File: VN055995.D
 Acq: 5 Jun 2019 8:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.1	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.833 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN055995.D

Acq: 5 Jun 2019 8:59

Instrument :

MSVOA_N

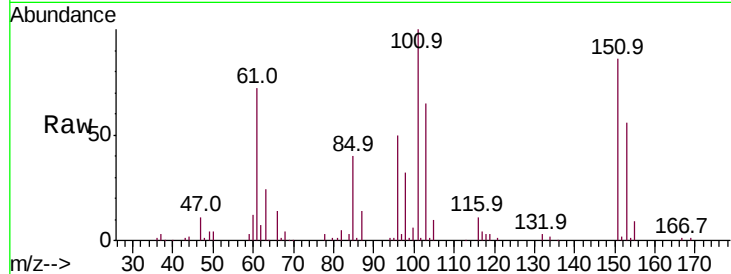
ClientSampleId :

VSTDCCC050

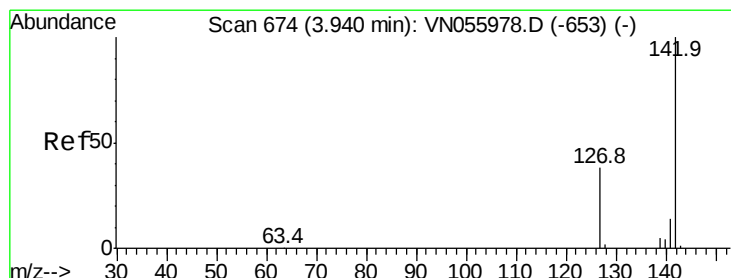
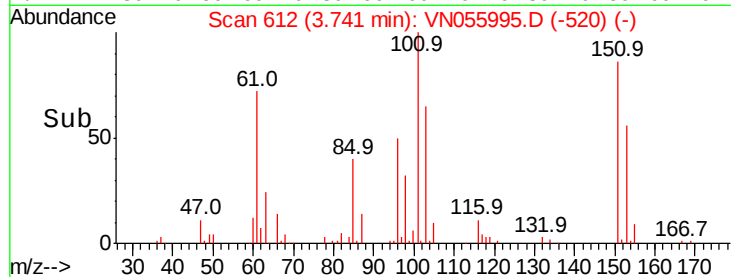
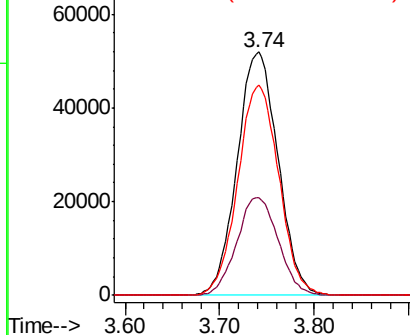
Tot Ion:	101	Resp:	155959
Ion Ratio	Lower	Upper	
101	100		
85	40.7	33.4	50.2
151	86.7	69.4	104.2

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.294 ug/l

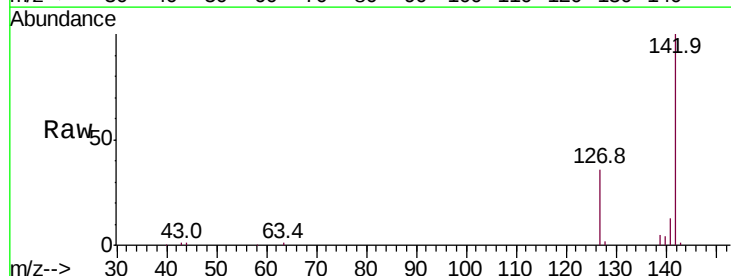
RT: 3.94 min Scan# 673

Delta R.T. -0.00 min

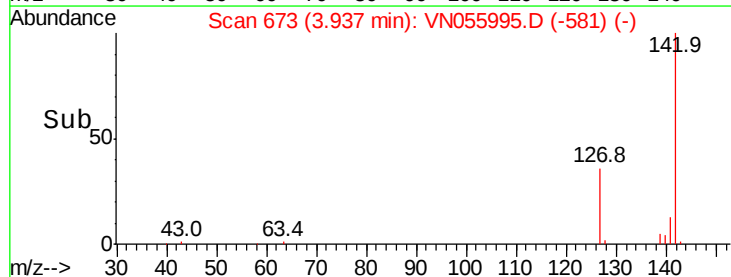
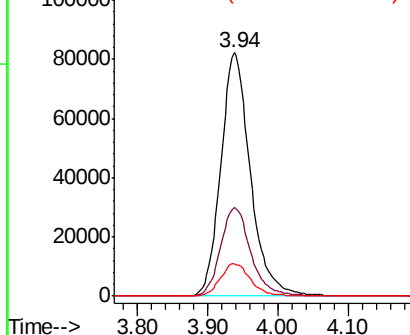
Lab File: VN055995.D

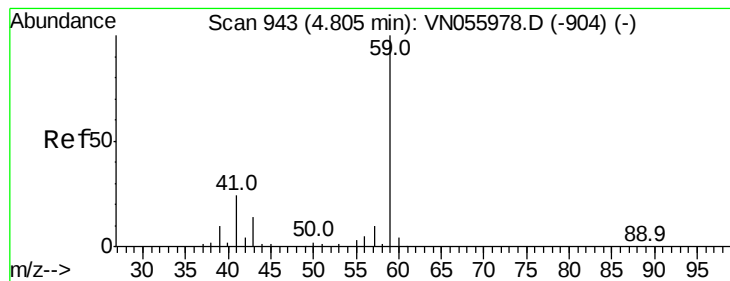
Acq: 5 Jun 2019 8:59

Tgt Ion:	142	Resp:	240483
Ion Ratio	Lower	Upper	
142	100		
127	37.1	31.0	46.4
141	13.6	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

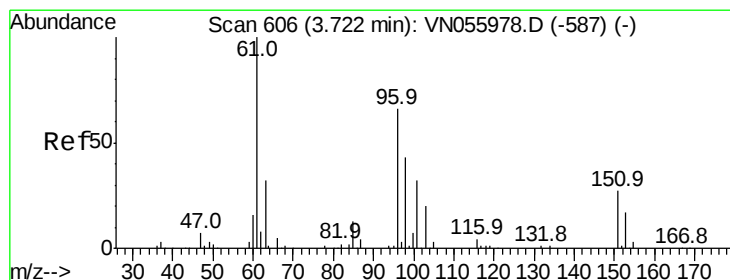
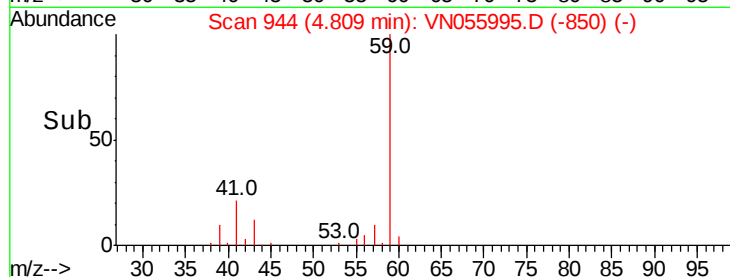
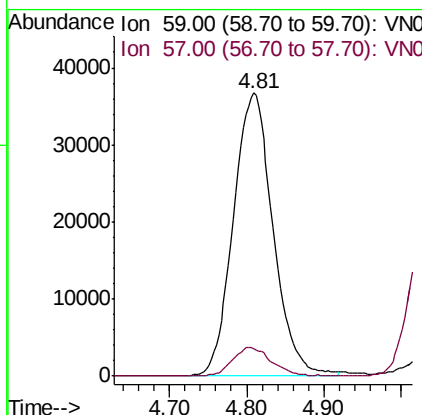
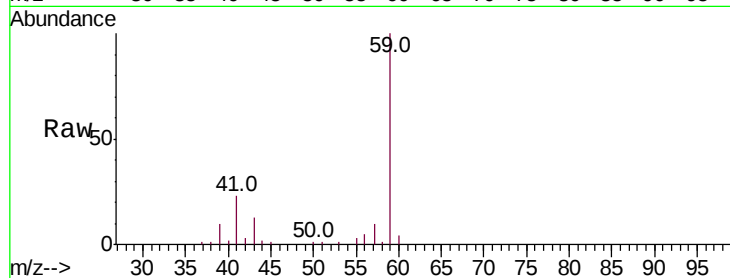
Tert butyl alcohol
Concen: 212.691 ug/l
RT: 4.81 min Scan# 944
Delta R.T. 0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	131137
Ion Ratio	100	Lower	Upper
57	9.9	7.8	11.6

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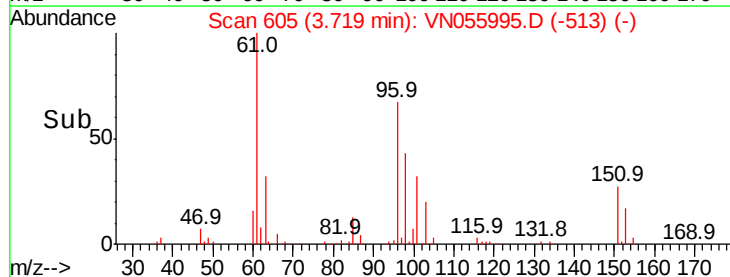
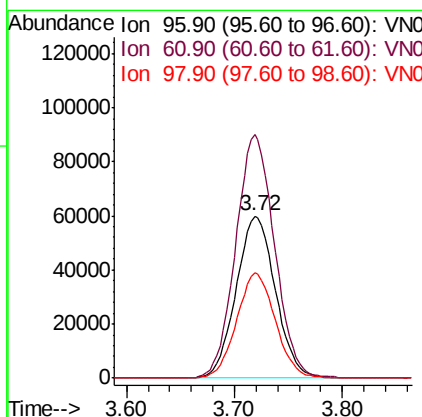
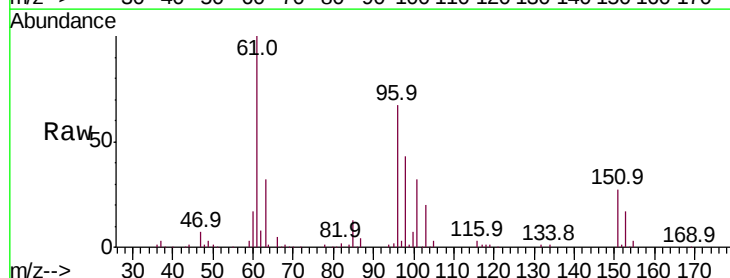
MMDadoda
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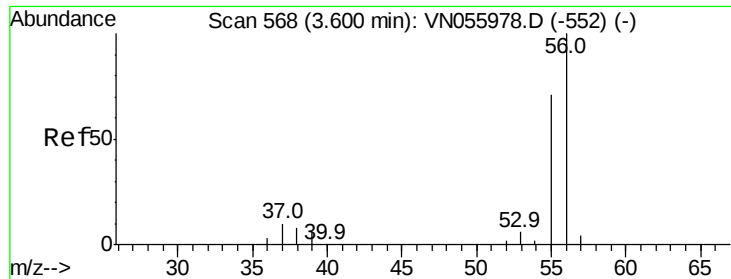


#12

1,1-Dichloroethene
Concen: 50.569 ug/l
RT: 3.72 min Scan# 605
Delta R.T. -0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Tgt Ion	96	Resp	151481
Ion Ratio	100	Lower	Upper
61	150.2	123.2	184.8
98	64.9	50.4	75.6





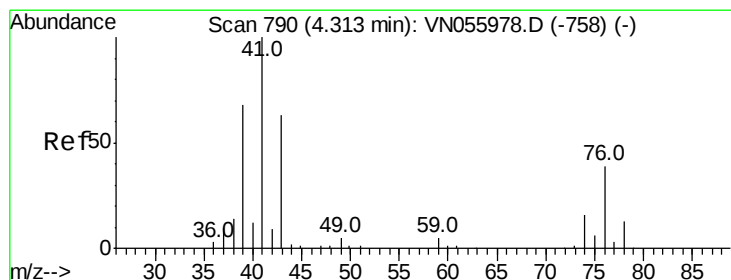
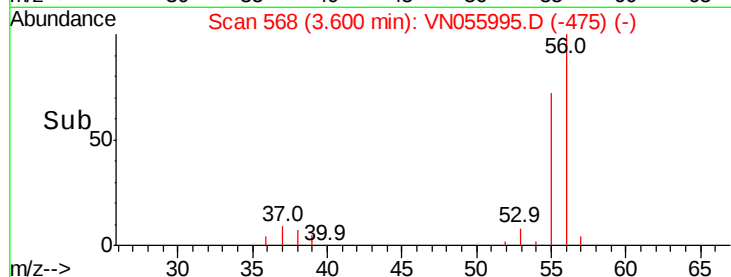
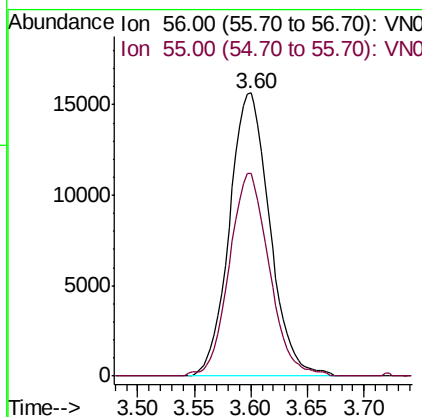
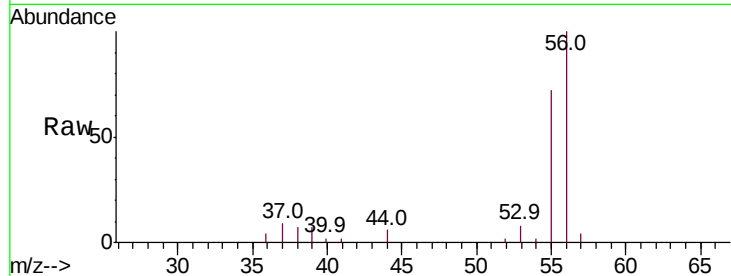
#13
Acrolein
Concen: 218.130 ug/l
RT: 3.60 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	38788
Ion Ratio	Lower	Upper	
56	100		
55	71.2	55.4	83.2

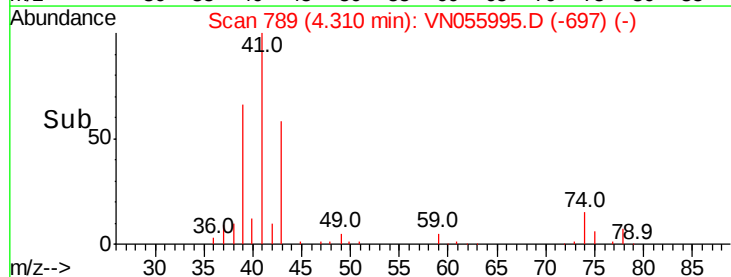
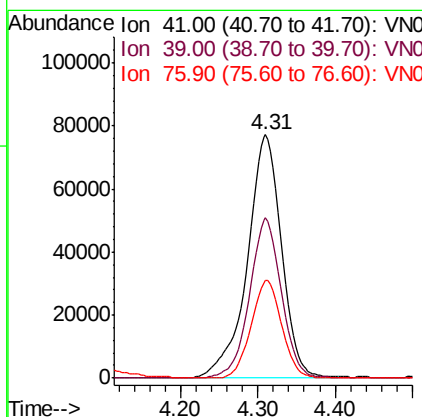
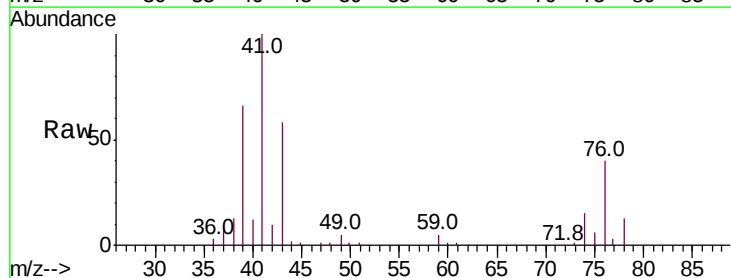
Manual Integrations
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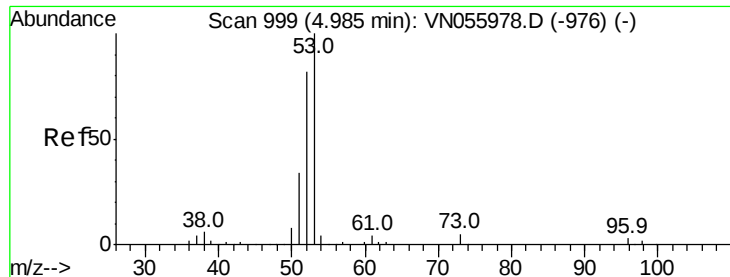
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#14
Allyl chloride
Concen: 50.480 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Tgt Ion	41	Resp	238774
Ion Ratio	Lower	Upper	
41	100		
39	61.3	50.0	75.0
76	35.9	28.2	42.2





#15

Acrylonitrile

Concen: 251.073 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN055995.D

Acq: 5 Jun 2019 8:59

Instrument :

MSVOA_N

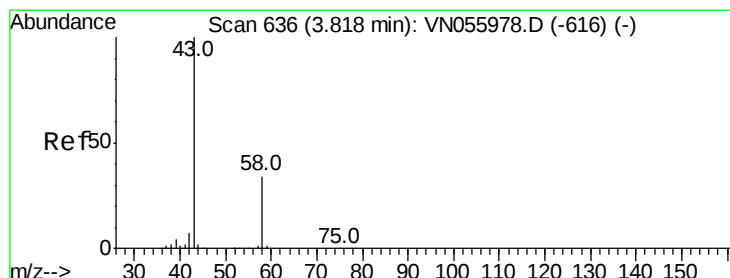
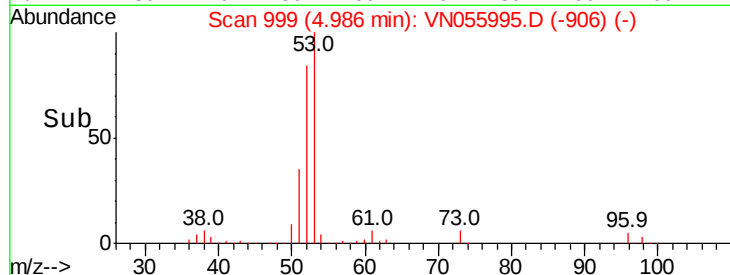
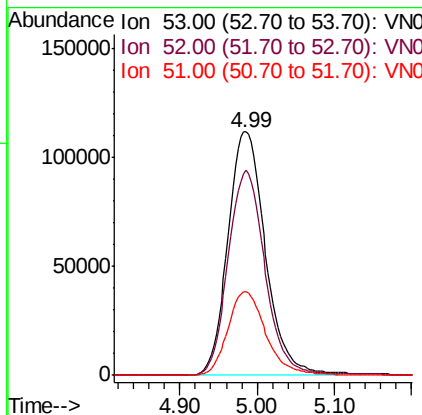
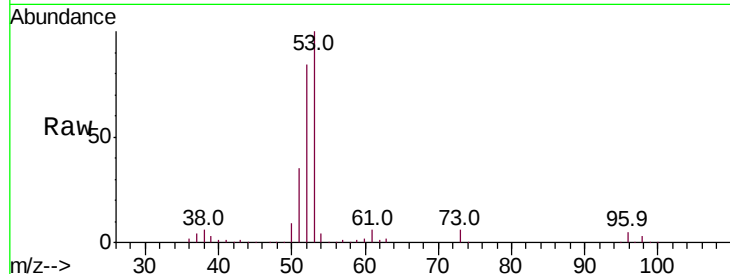
ClientSampled :

VSTDCCC050

Tot Ion:	53	Resp:	376832
Ion Ratio	Lower	Upper	
53	100		
52	82.4	65.8	98.8
51	35.0	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 260.958 ug/l

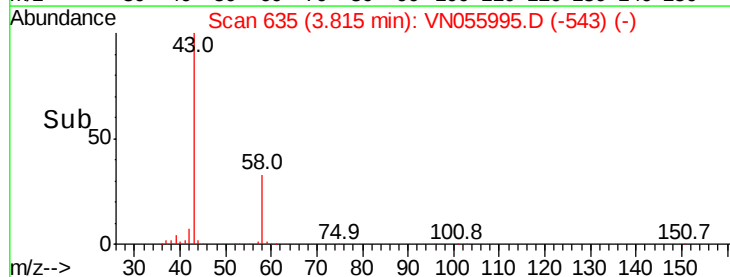
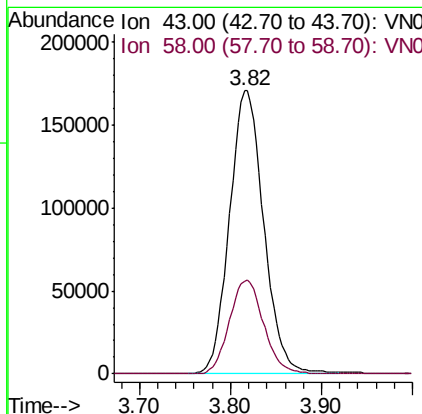
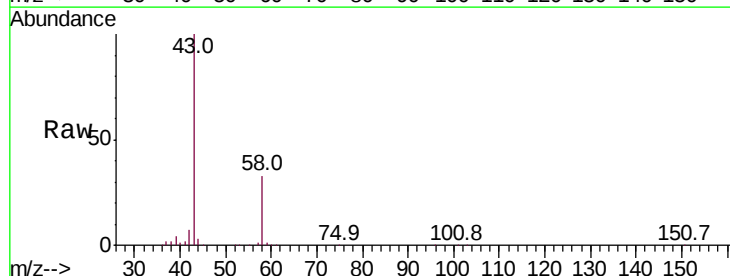
RT: 3.82 min Scan# 635

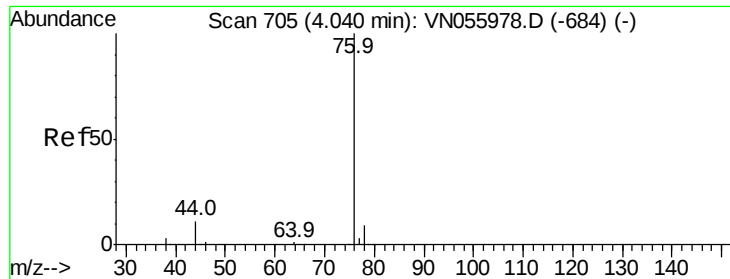
Delta R.T. -0.00 min

Lab File: VN055995.D

Acq: 5 Jun 2019 8:59

Tgt Ion:	43	Resp:	442196
Ion Ratio	Lower	Upper	
43	100		
58	32.9	26.6	39.8





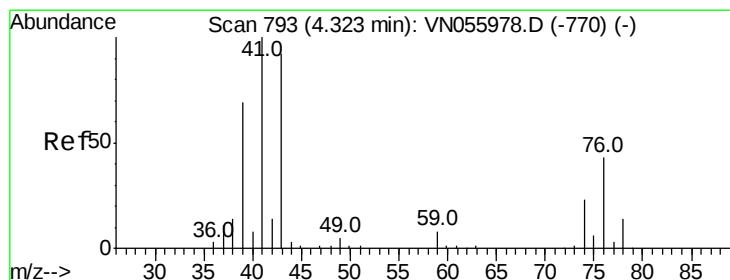
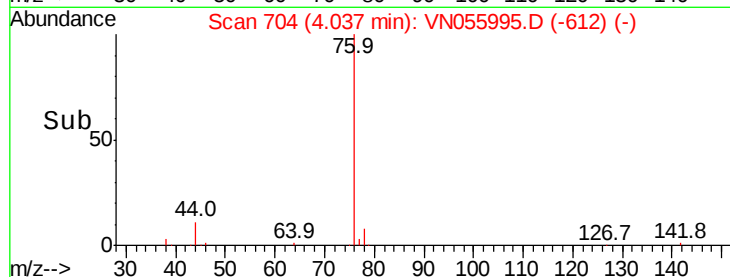
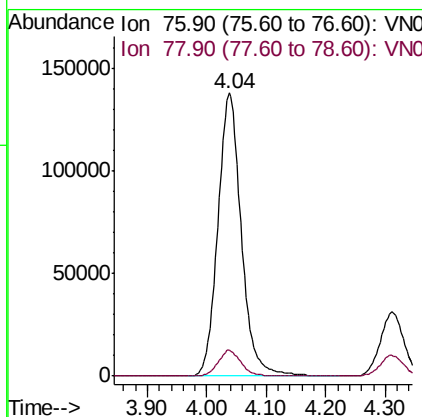
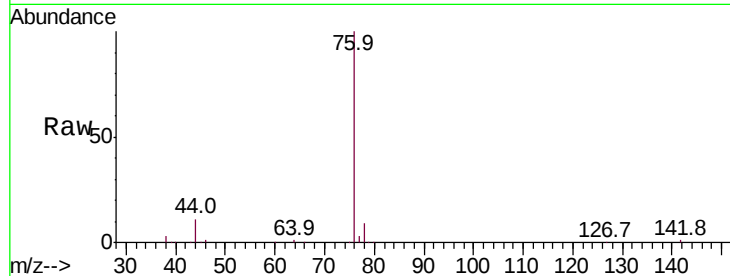
#17
Carbon Disulfide
Concen: 52.300 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 375113
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2

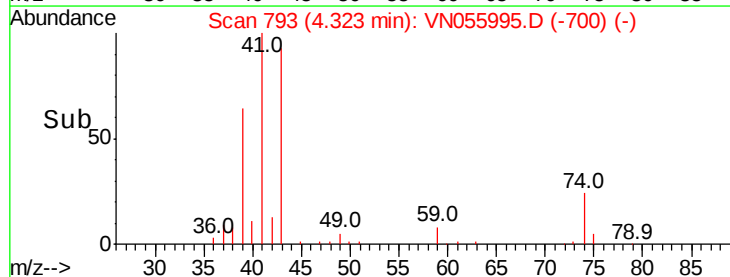
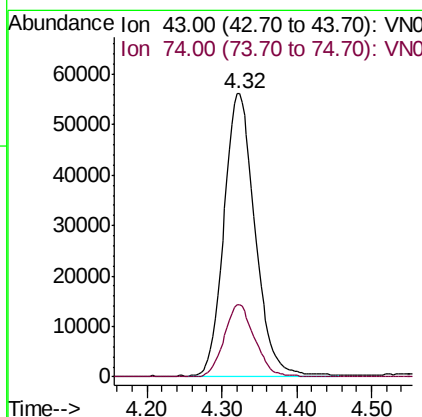
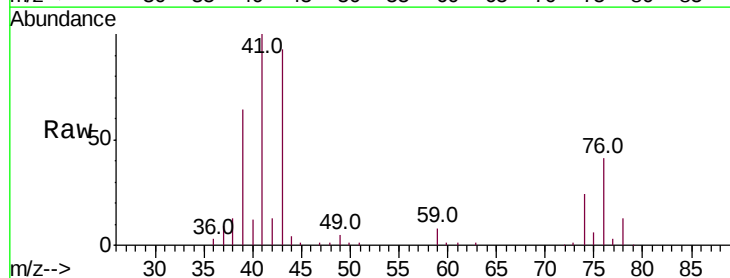
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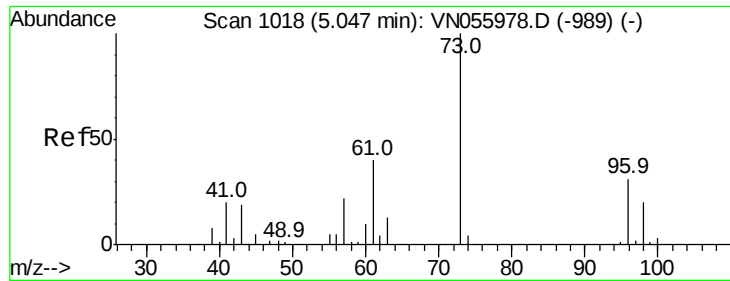
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#18
Methyl Acetate
Concen: 48.066 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Tgt Ion: 43 Resp: 160064
Ion Ratio Lower Upper
43 100
74 25.4 19.3 28.9





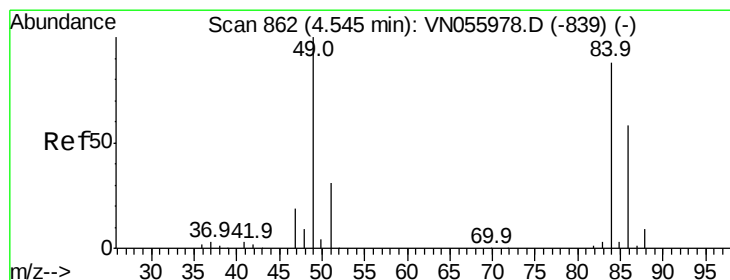
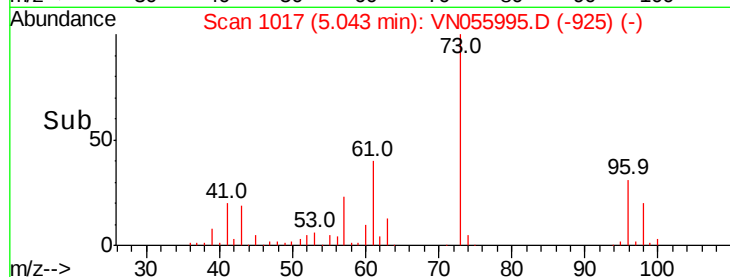
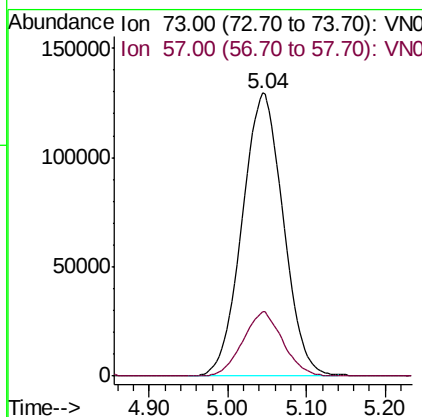
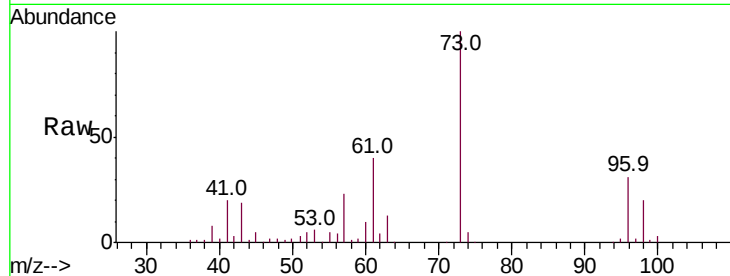
#19
Methvl tert-butvl Ether
Concen: 50.014 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 477553
Ion Ratio Lower Upper
73 100
57 22.7 17.8 26.8

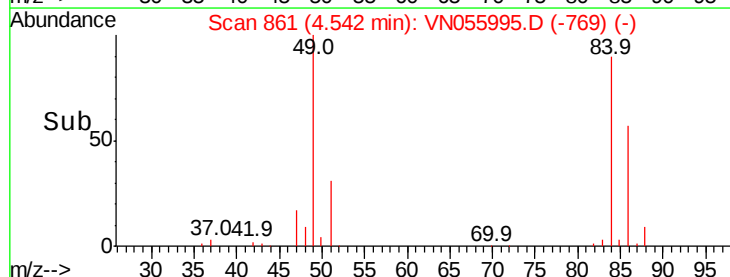
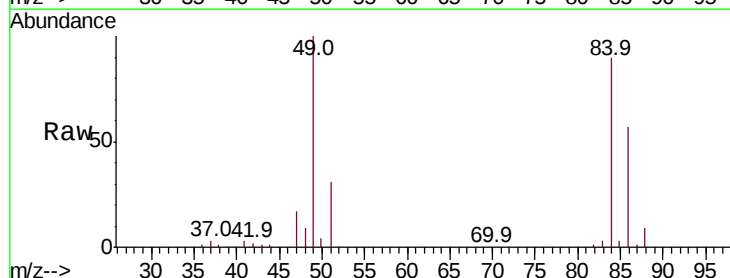
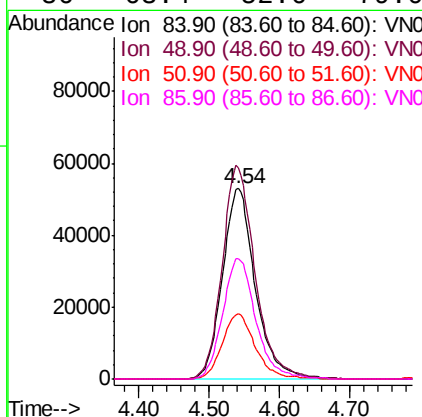
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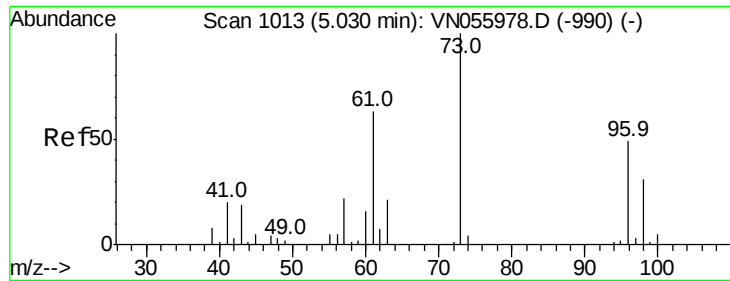
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#20
Methylene Chloride
Concen: 49.351 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Tgt Ion: 84 Resp: 172291
Ion Ratio Lower Upper
84 100
49 110.8 93.5 140.3
51 34.1 28.6 43.0
86 63.4 52.6 79.0





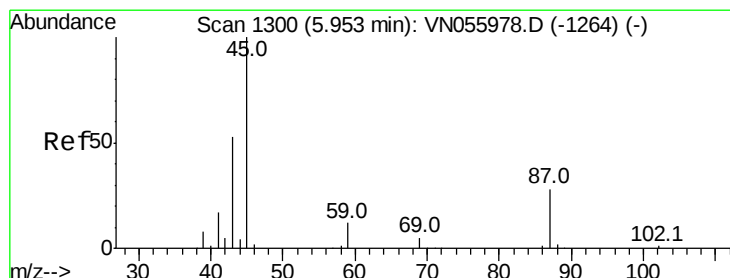
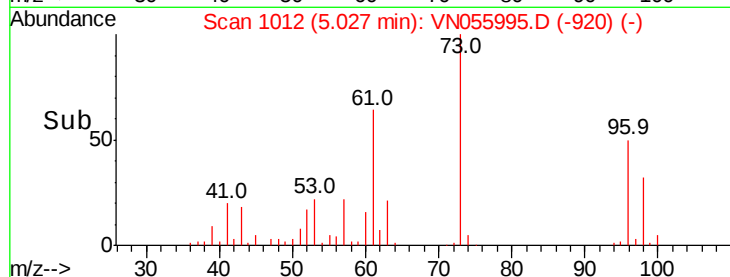
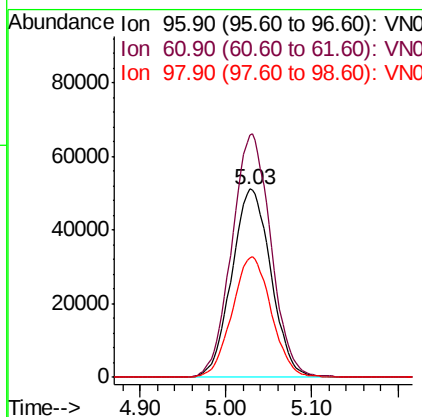
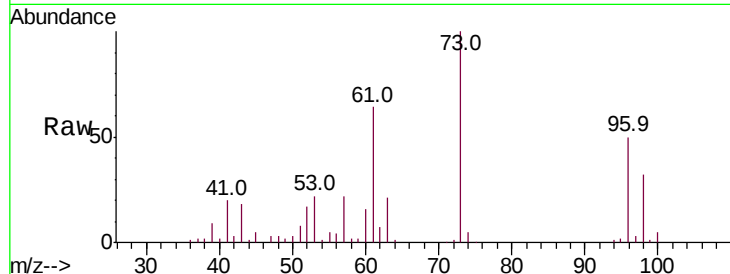
#21
trans-1,2-Dichloroethene
Concen: 50.665 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.4	107.8	161.8
98	63.8	49.8	74.8

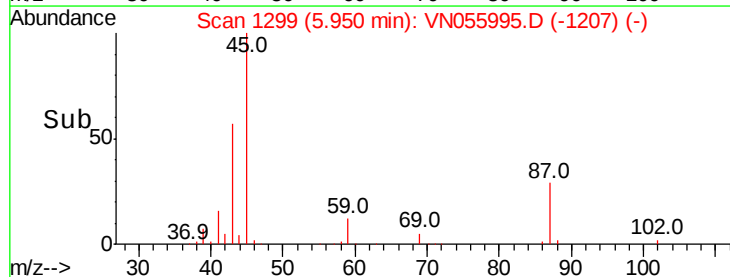
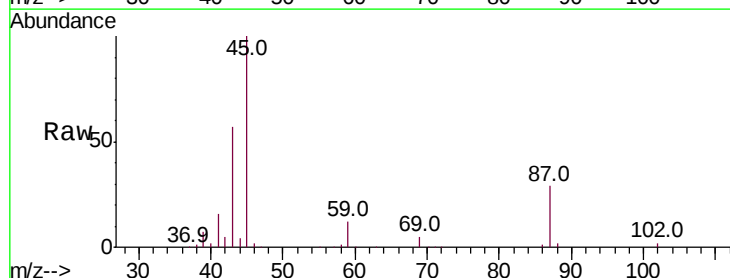
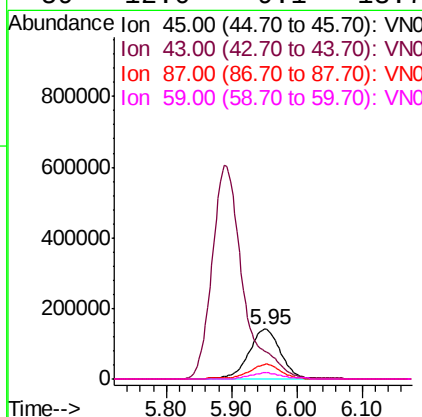
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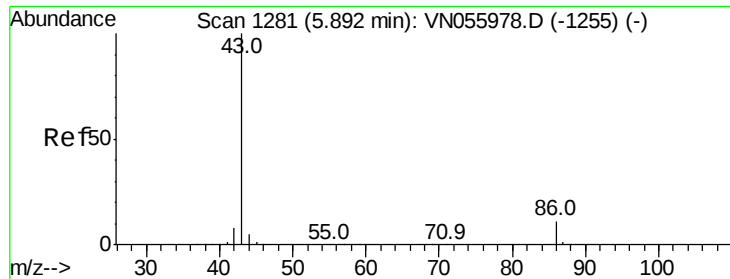
MMDadoda
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#22
Diisopropyl ether
Concen: 49.392 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.3	45.0	67.6
87	29.3	22.2	33.4
59	12.0	9.1	13.7





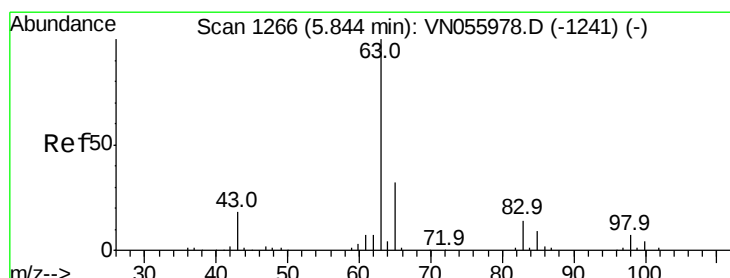
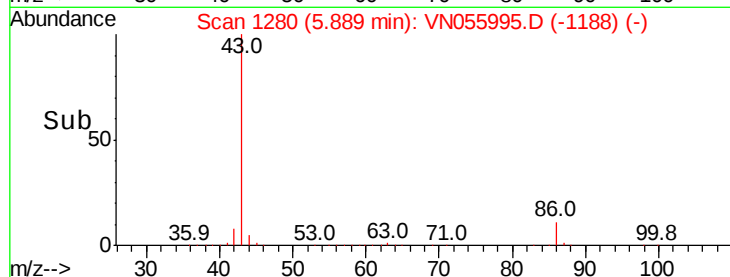
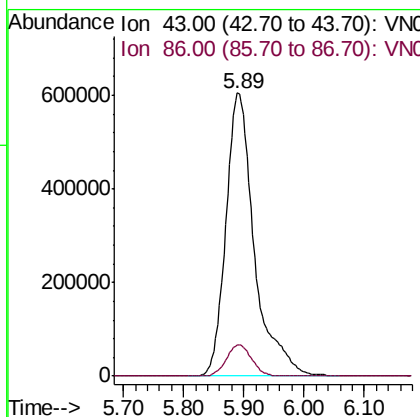
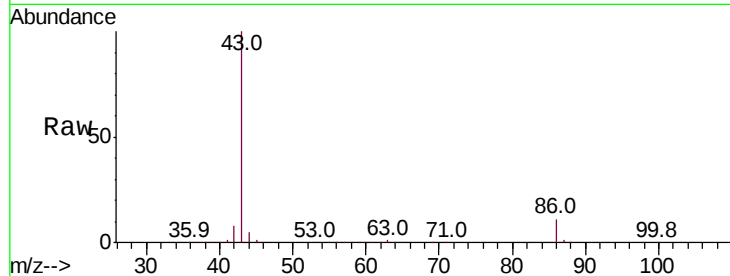
#23
 Vinyl Acetate
 Concen: 258.767 ug/l
 RT: 5.89 min Scan# 1280
 Delta R.T. -0.00 min
 Lab File: VN055995.D
 Acq: 5 Jun 2019 8:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1992515
 Ion Ratio Lower Upper
 43 100
 86 11.1 8.6 13.0

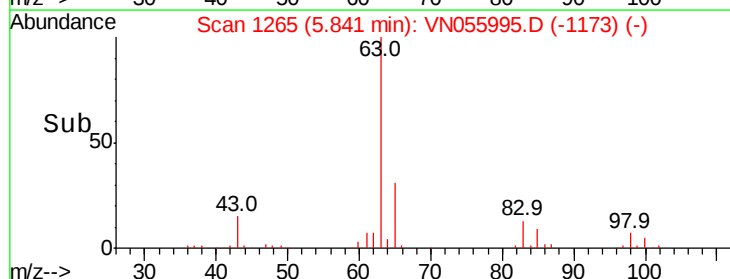
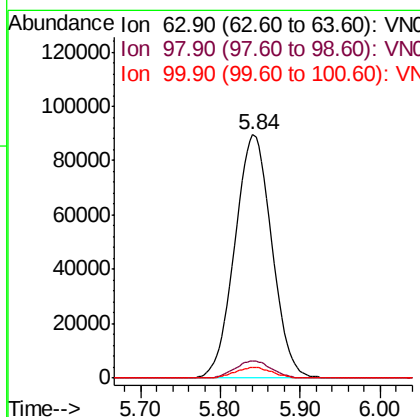
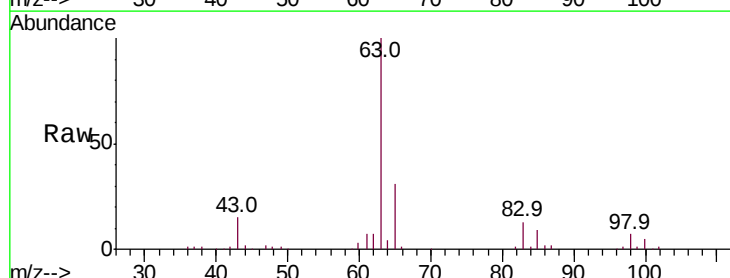
Manual Integrations
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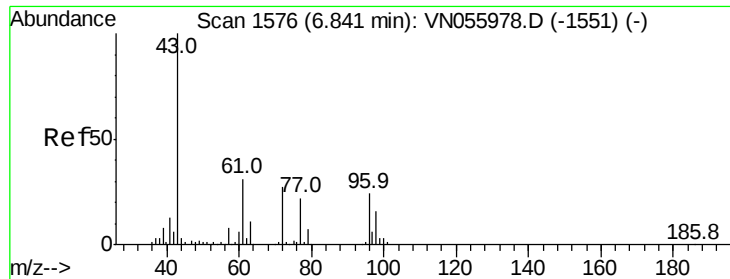
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 49.735 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN055995.D
 Acq: 5 Jun 2019 8:59

Tgt Ion: 63 Resp: 280516
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.4 10.1
 100 4.5 2.2 6.6





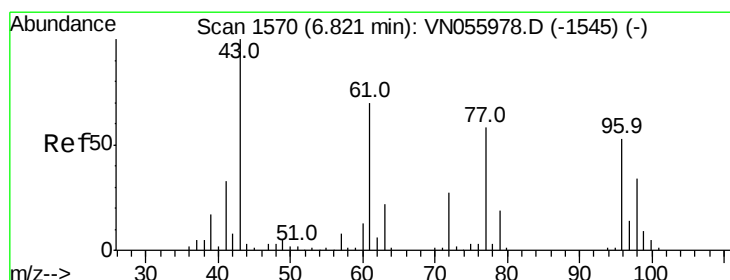
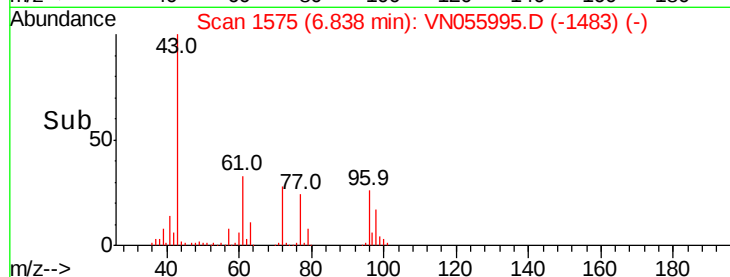
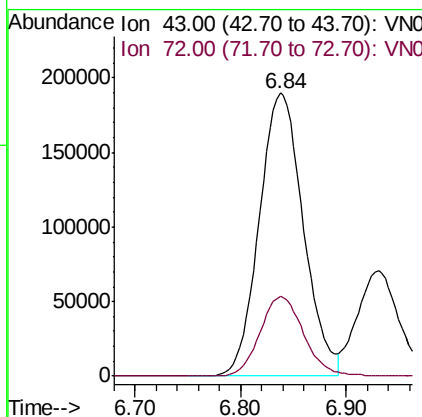
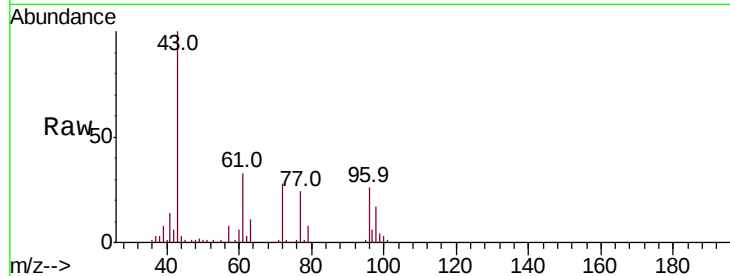
#25
2-Butanone
Concen: 256.338 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 548809
Ion Ratio Lower Upper
43 100
72 28.1 21.9 32.9

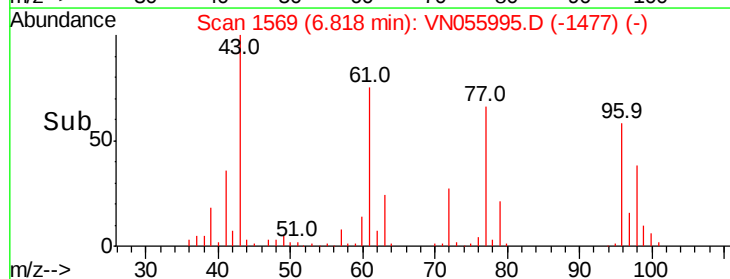
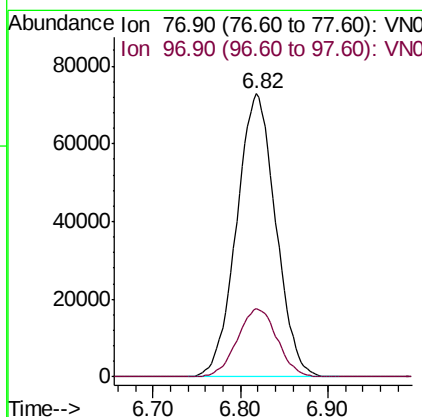
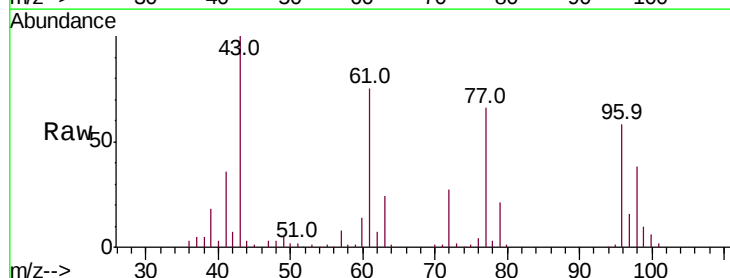
Manual Integrations
APPROVED

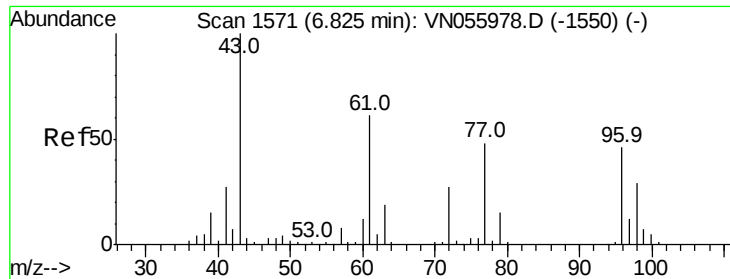
MMDadoda
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#26
2,2-Dichloropropane
Concen: 51.365 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Tgt Ion: 77 Resp: 226063
Ion Ratio Lower Upper
77 100
97 24.6 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 50.329 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN055995.D

Acq: 5 Jun 2019 8:59

Instrument :

MSVOA_N

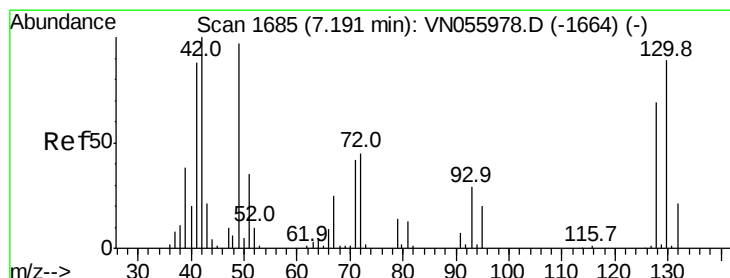
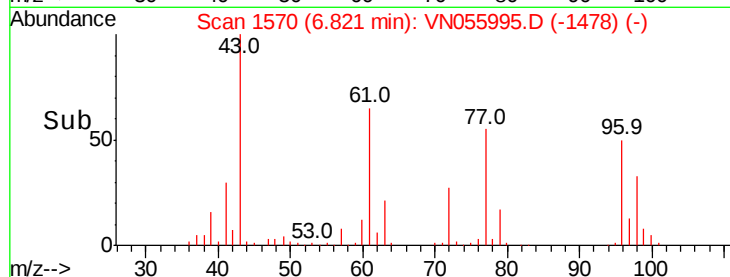
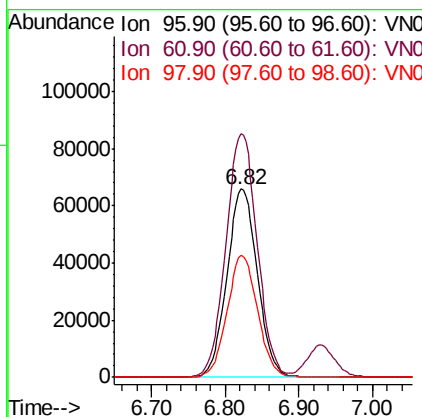
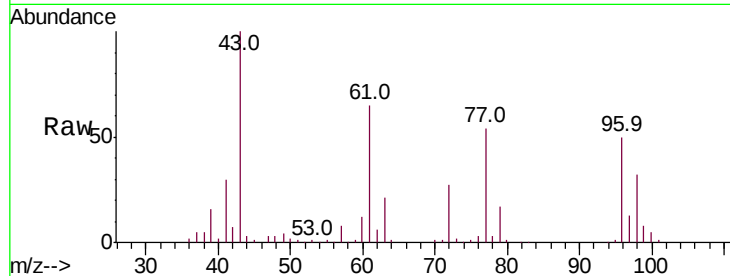
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	189881
Ion	Ratio	Lower	Upper
96	100		
61	132.5	0.0	275.8
98	64.5	0.0	128.4

Manual Integrations
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#28

Bromochloromethane

Concen: 48.229 ug/l

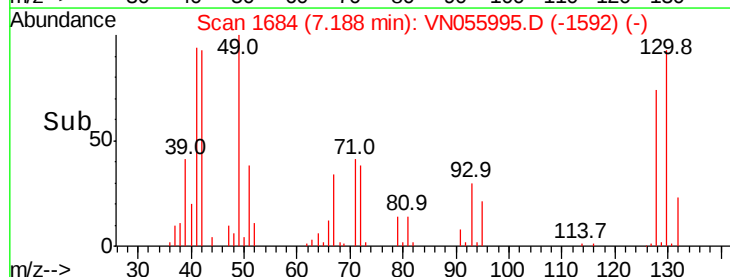
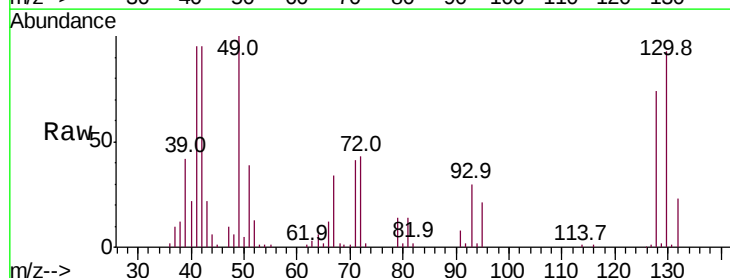
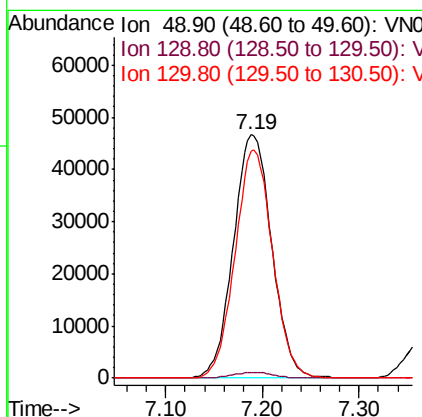
RT: 7.19 min Scan# 1684

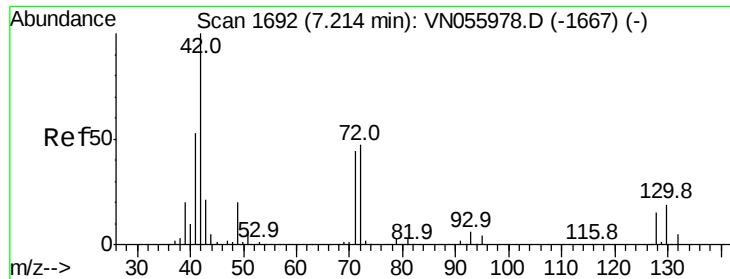
Delta R.T. -0.00 min

Lab File: VN055995.D

Acq: 5 Jun 2019 8:59

Tgt Ion:	49	Resp:	128639
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	91.7	71.2	106.8





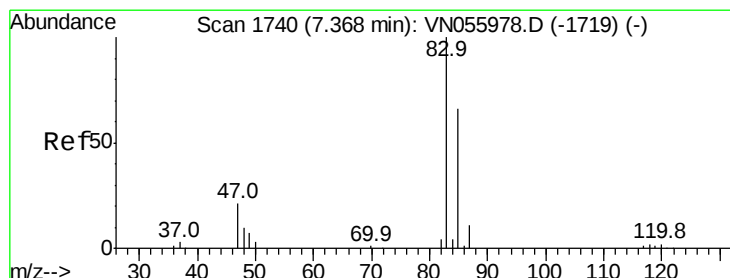
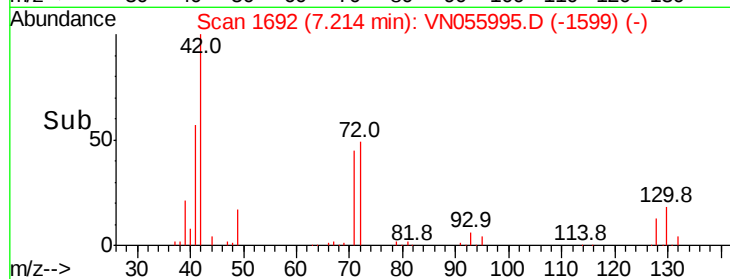
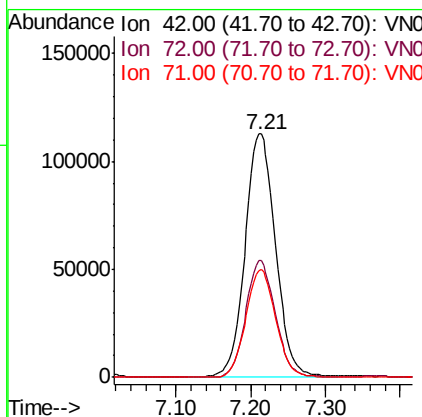
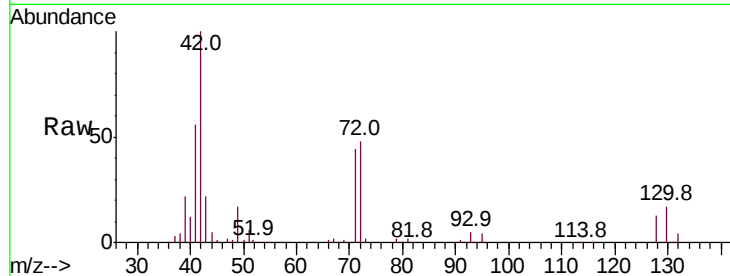
#29
Tetrahydrofuran
Concen: 242.088 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.5	35.9	53.9
71	43.3	34.0	51.0

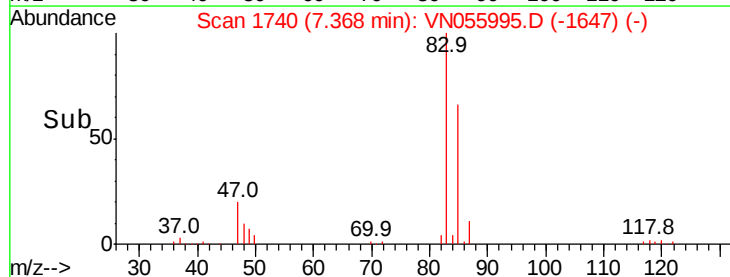
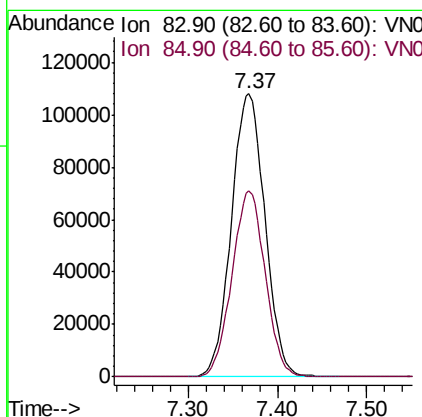
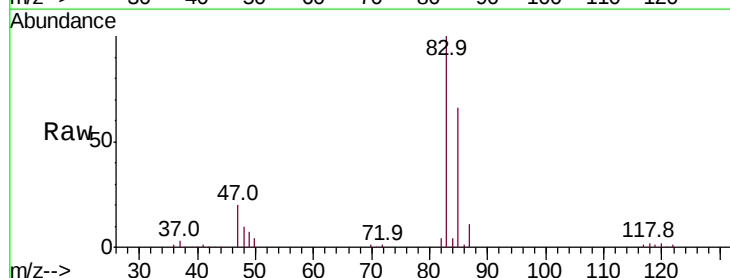
Manual Integrations
APPROVED

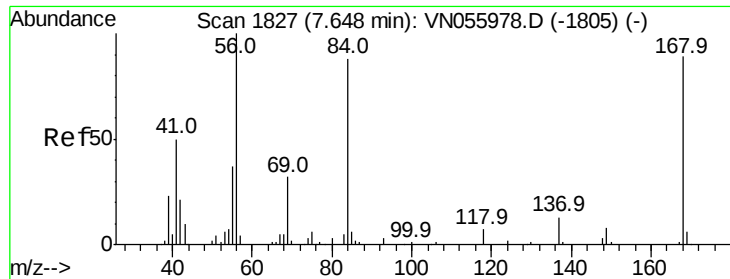
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#30
Chloroform
Concen: 49.774 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.8	77.8





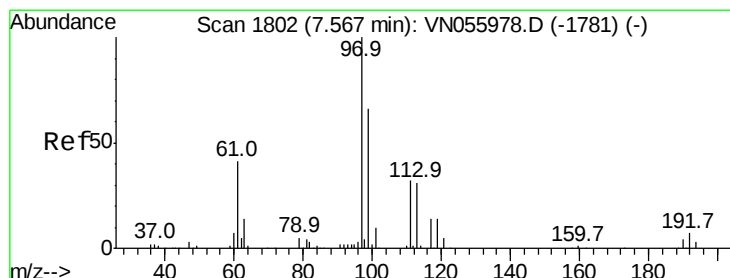
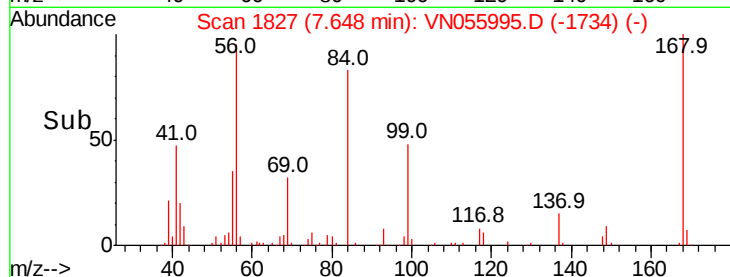
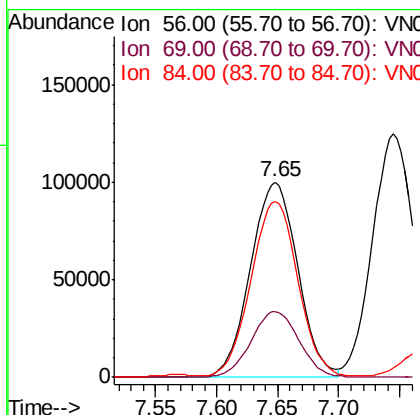
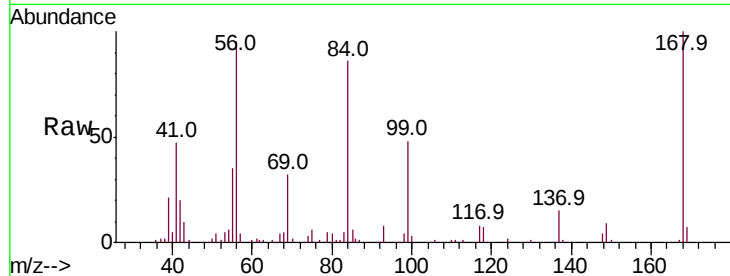
#31
Cyclohexane
Concen: 47.885 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.7	25.6	38.4
84	89.0	67.4	101.0

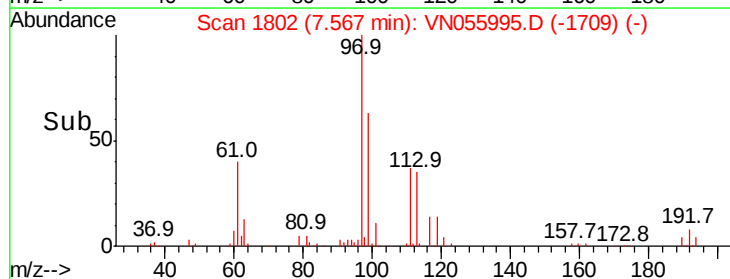
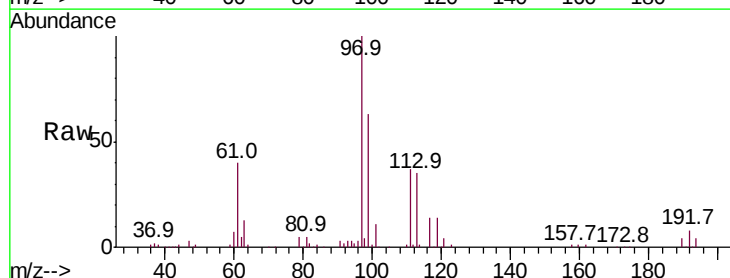
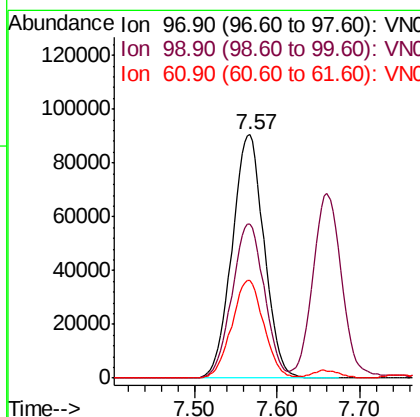
Manual Integrations
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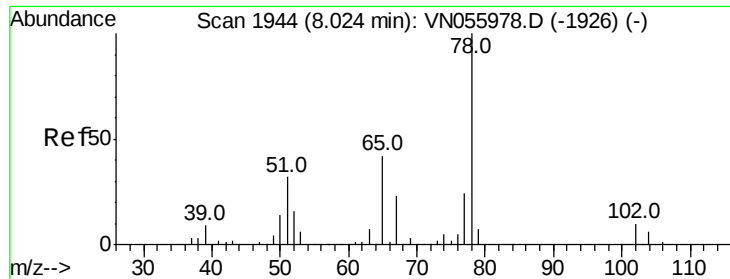
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#32
1,1,1-Trichloroethane
Concen: 51.203 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.0	78.0
61	40.3	32.9	49.3





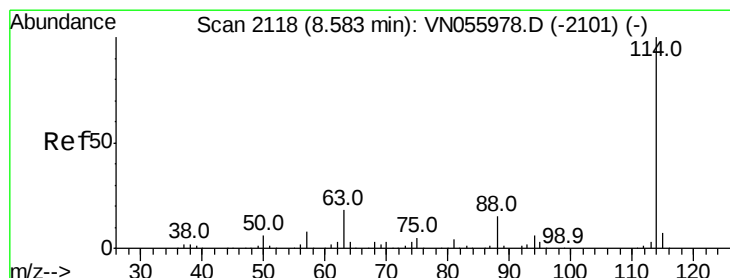
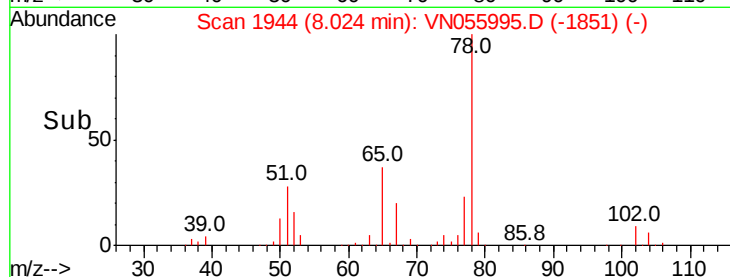
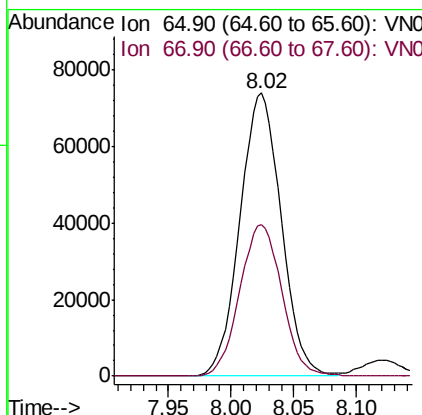
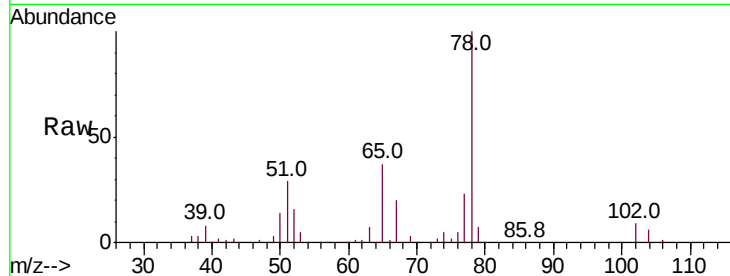
#33
 1,2-Dichloroethane-d4
 Concen: 47.850 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055995.D
 Acq: 5 Jun 2019 8:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	169534		
67	54.7	0.0	109.2	

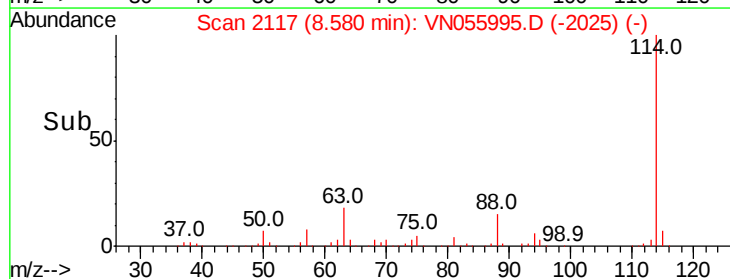
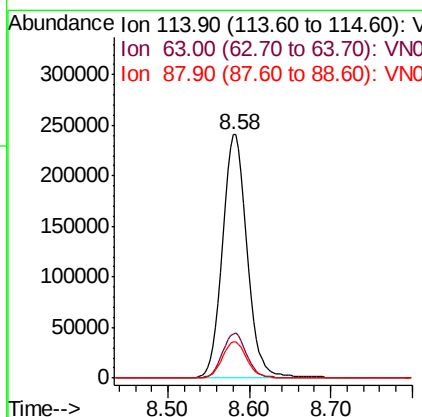
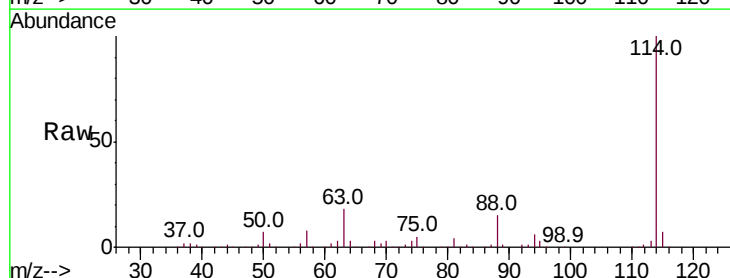
Manual Integrations
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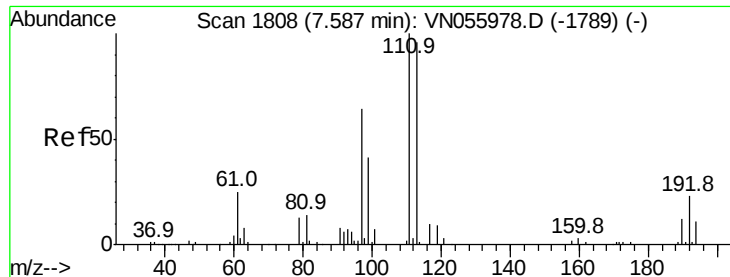
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN055995.D
 Acq: 5 Jun 2019 8:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	516877		
63	18.3	0.0	39.2	
88	14.8	0.0	31.0	





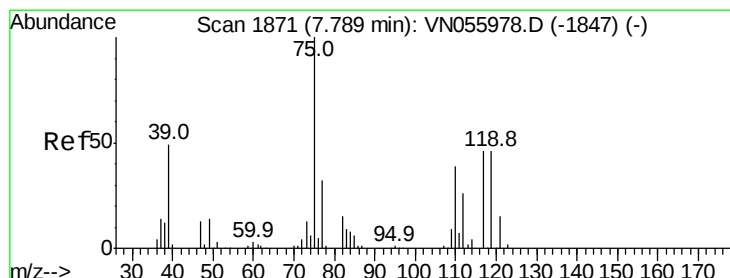
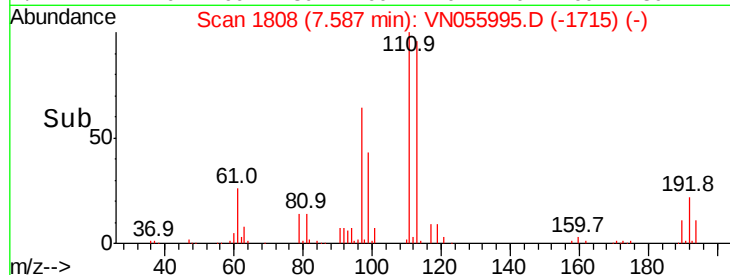
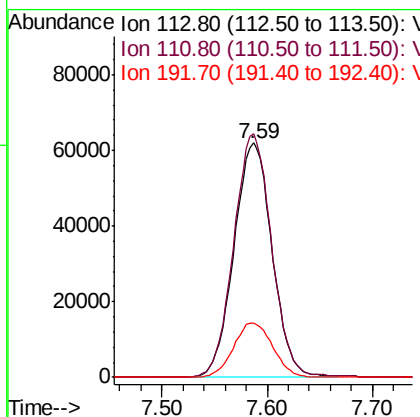
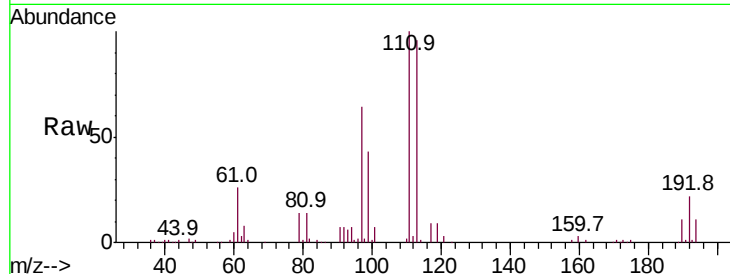
#35
Dibromofluoromethane
Concen: 49.121 ug/l
RT: 7.59 min Scan# 1808
Delta R.T. 0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.6	81.9	122.9	
192	23.8	19.5	29.3	

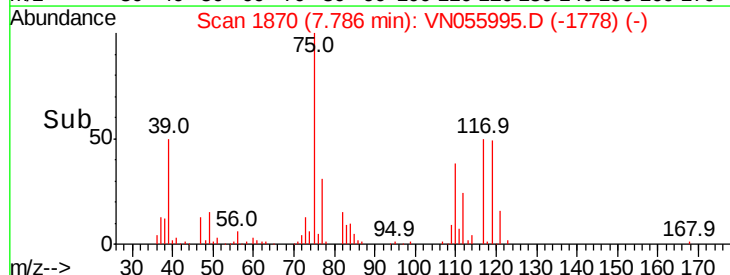
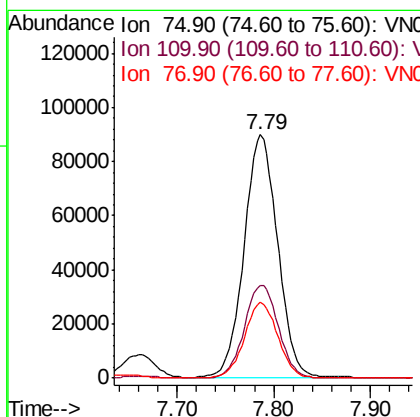
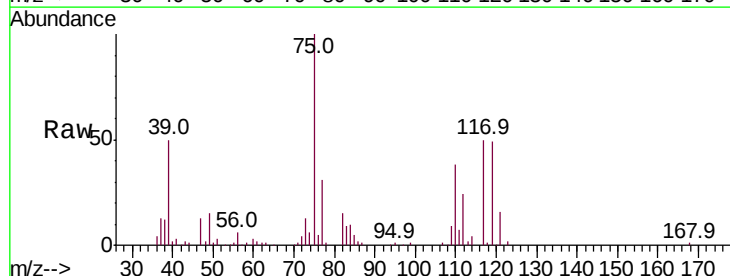
Manual Integrations
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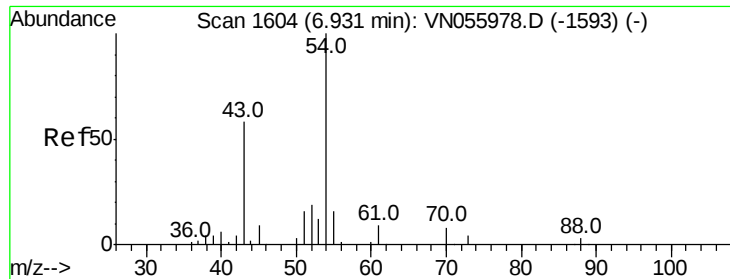
MMDadoda
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#36
1,1-Dichloropropene
Concen: 48.619 ug/l
RT: 7.79 min Scan# 1870
Delta R.T. -0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.8	19.0	57.0	
77	31.1	25.1	37.7	





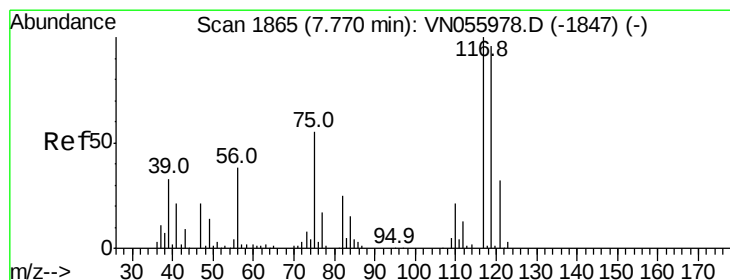
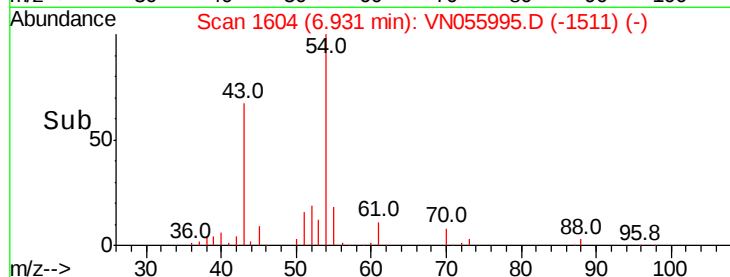
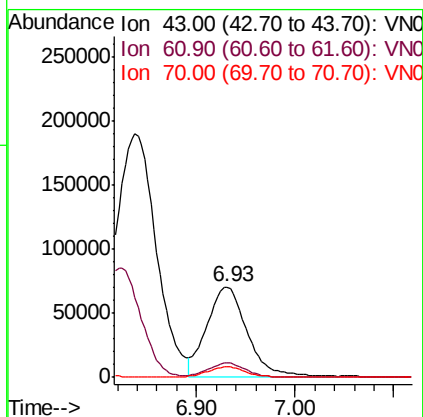
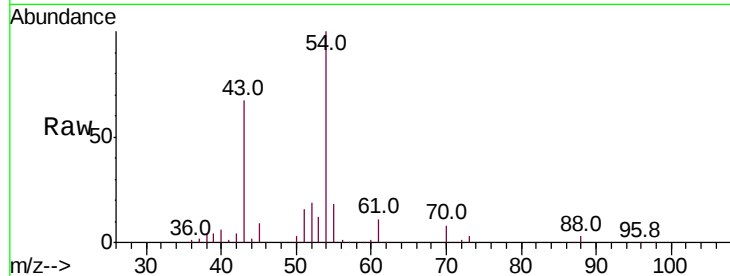
#37
Ethyl Acetate
Concen: 50.137 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.2	18.2
70	11.2	8.9	13.3

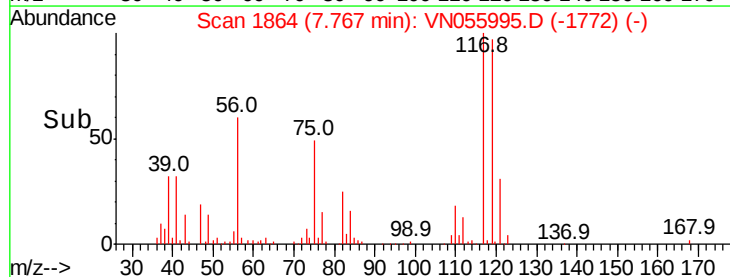
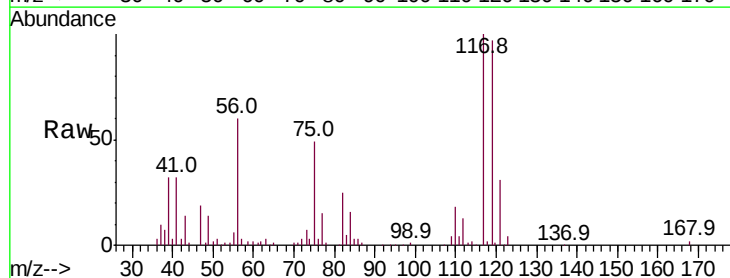
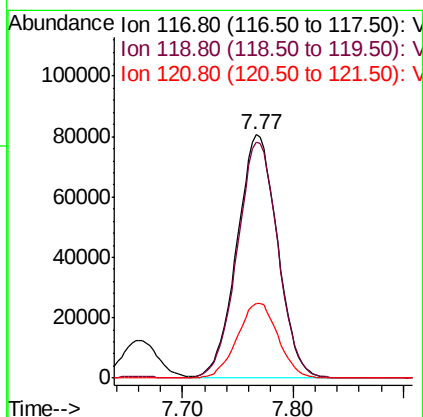
Manual Integrations
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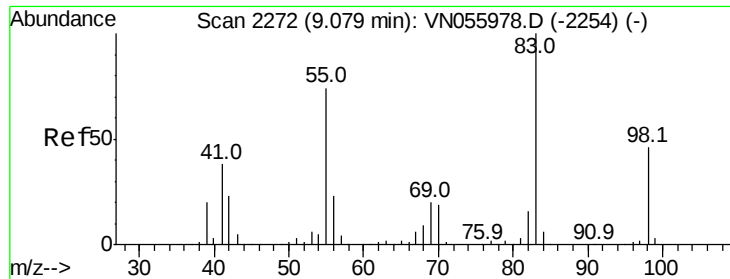
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#38
Carbon Tetrachloride
Concen: 49.841 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	79.0	118.6
121	30.8	24.7	37.1





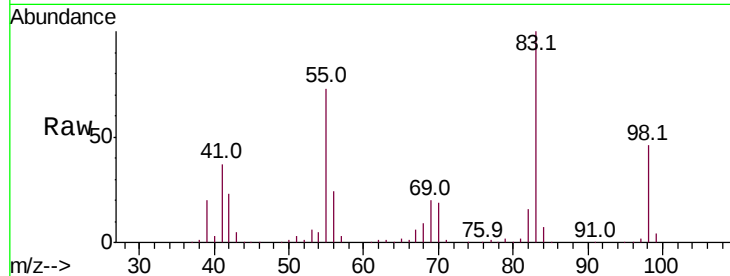
#39
Methvlcvclohexane
Concen: 50.483 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

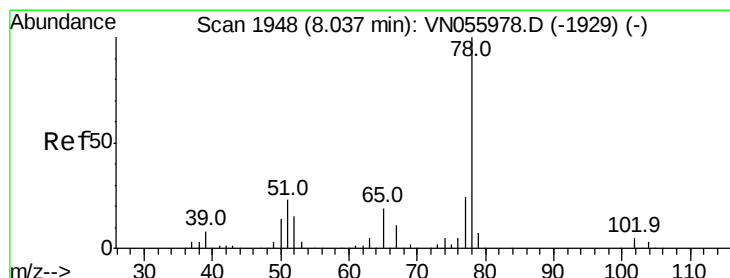
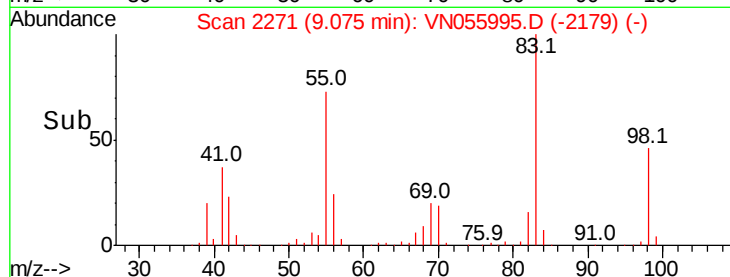
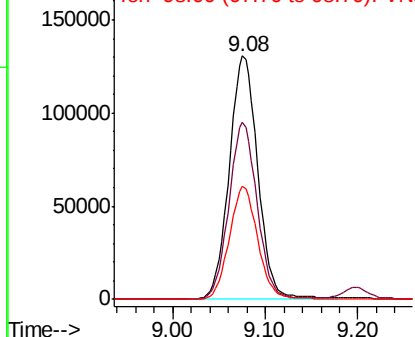
Tot Ion	Ratio	Lower	Upper
83	100		
55	72.8	59.3	88.9
98	46.3	36.6	54.8

Manual Integrations
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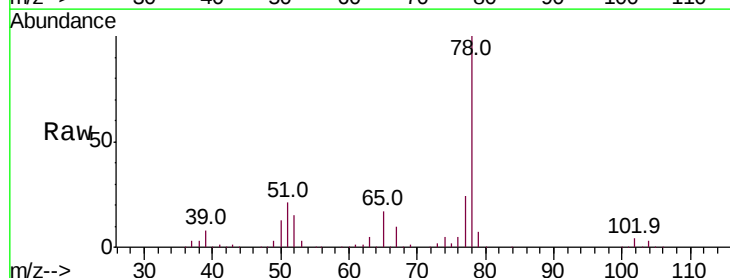


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

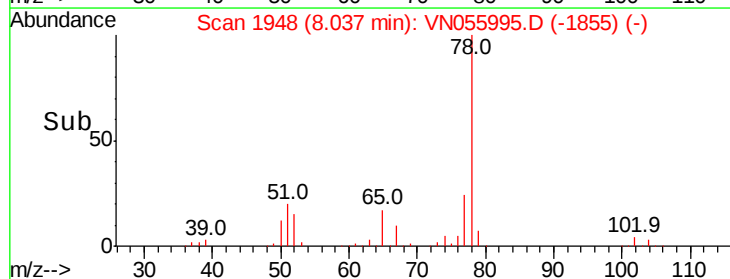
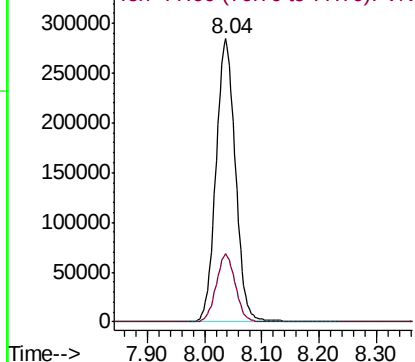


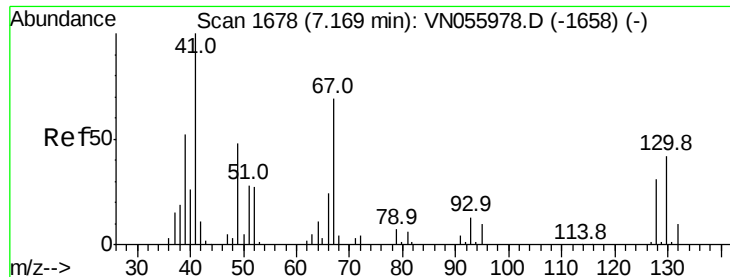
#40
Benzene
Concen: 49.736 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





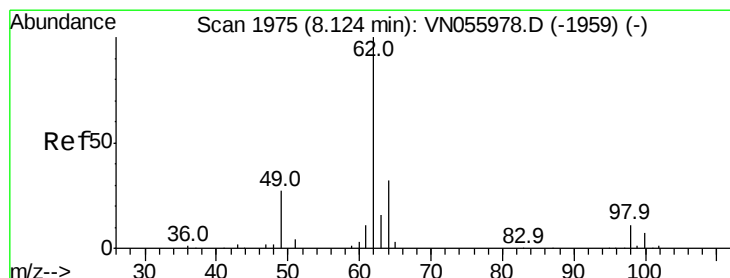
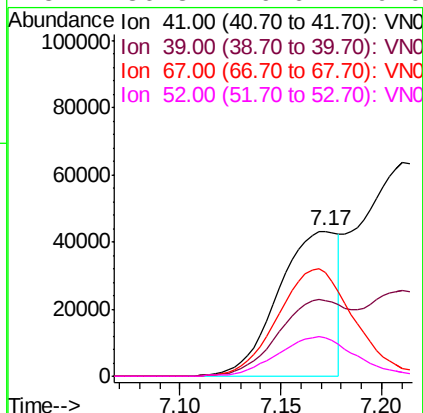
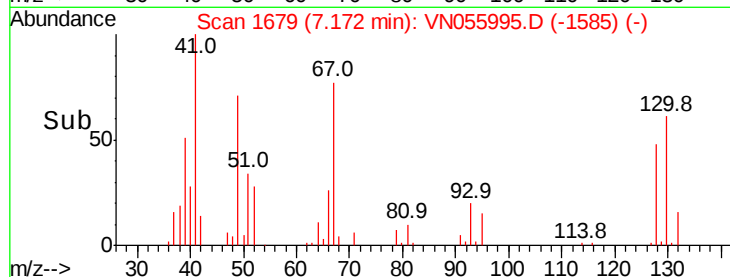
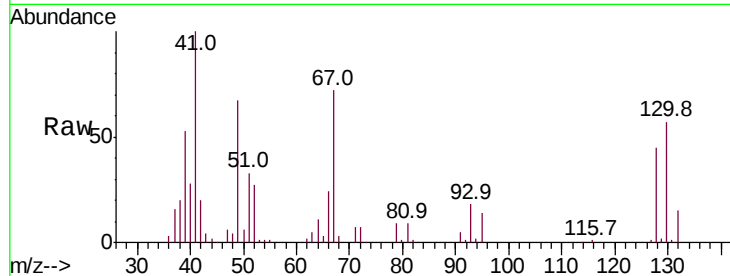
#41
Methacrylonitrile
Concen: 48.564 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.9	45.6	68.4
67	96.5	67.7	101.5
52	36.3	26.6	40.0

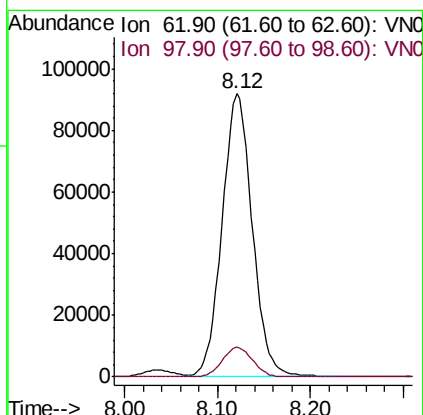
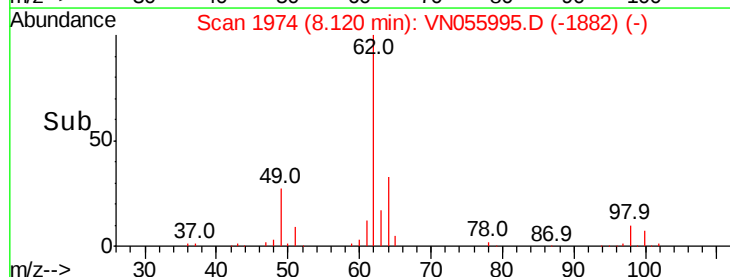
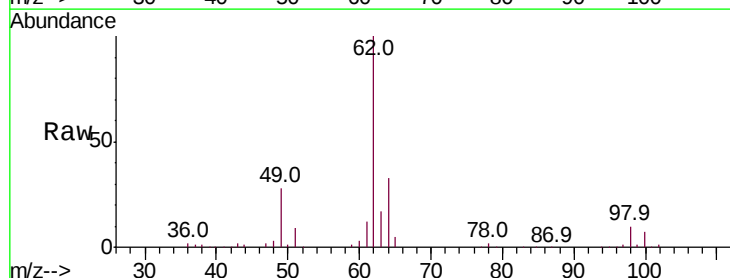
Manual Integrations
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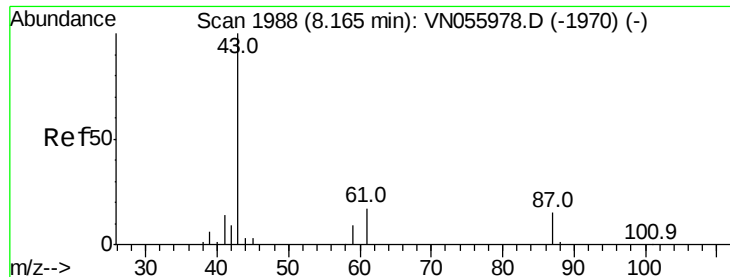
MMDadoda
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#42
1,2-Dichloroethane
Concen: 47.554 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	20.2





#43

Isopropyl Acetate

Concen: 49.912 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN055995.D

Acq: 5 Jun 2019 8:59

Instrument :

MSVOA_N

ClientSampleId :

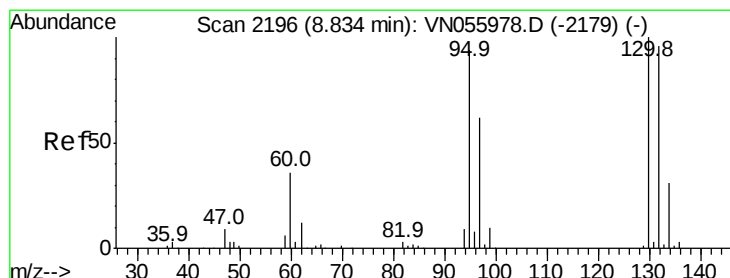
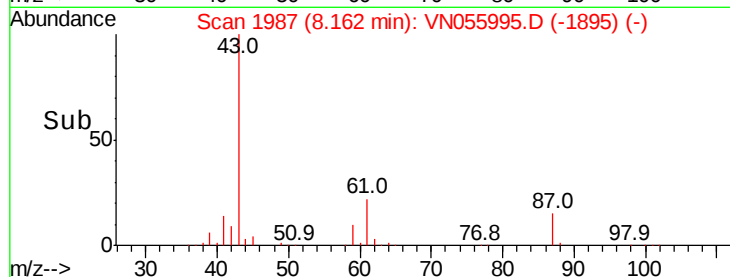
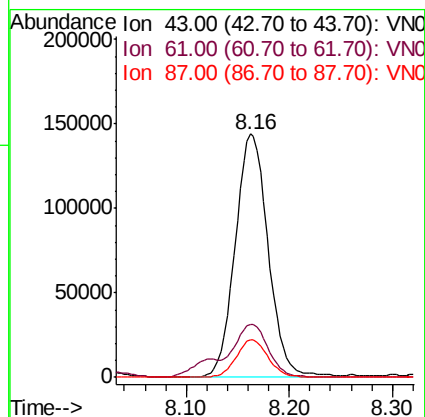
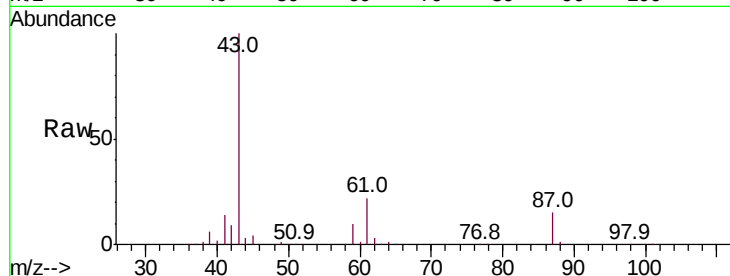
VSTDCCC050

Tot Ion: 43 Resp: 319838

Ion	Ratio	Lower	Upper
43	100		
61	22.1	22.2	33.4#
87	15.0	11.4	17.2

Manual Integrations
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#44

Trichloroethene

Concen: 49.902 ug/l

RT: 8.83 min Scan# 2195

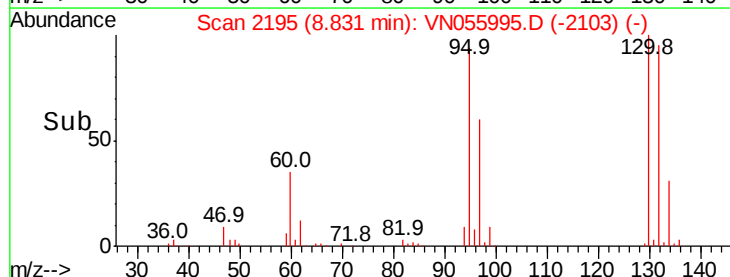
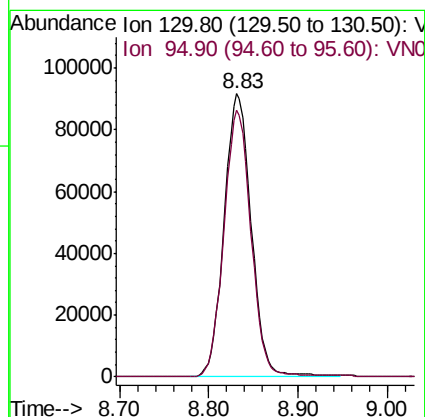
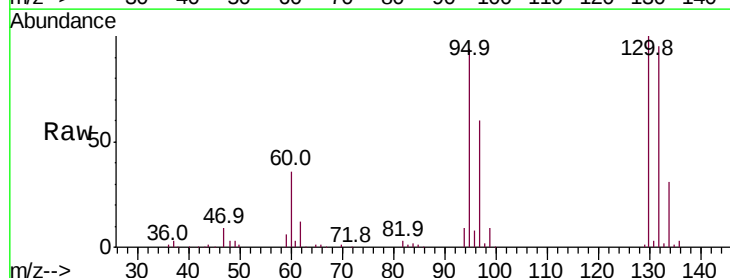
Delta R.T. -0.00 min

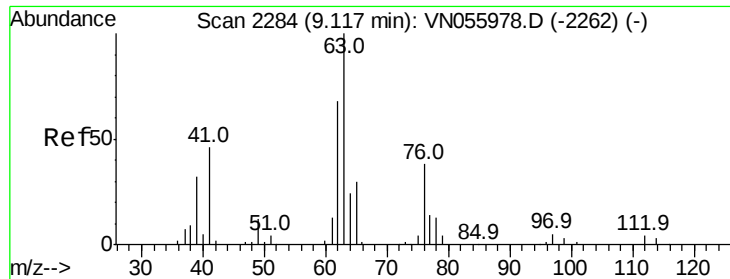
Lab File: VN055995.D

Acq: 5 Jun 2019 8:59

Tgt Ion: 130 Resp: 193561

Ion	Ratio	Lower	Upper
130	100		
95	94.1	0.0	188.0





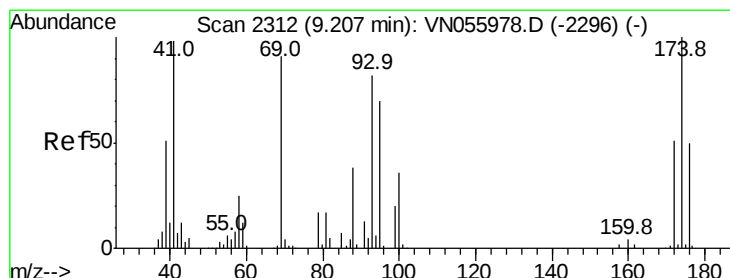
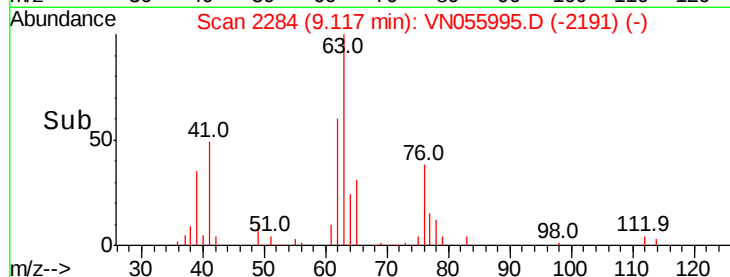
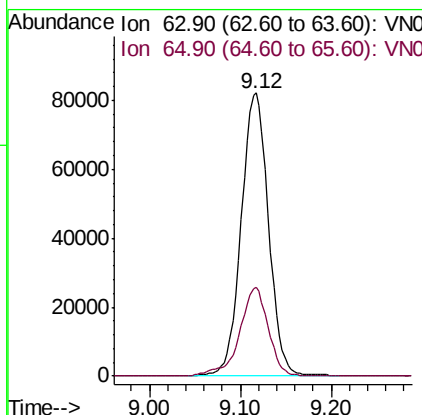
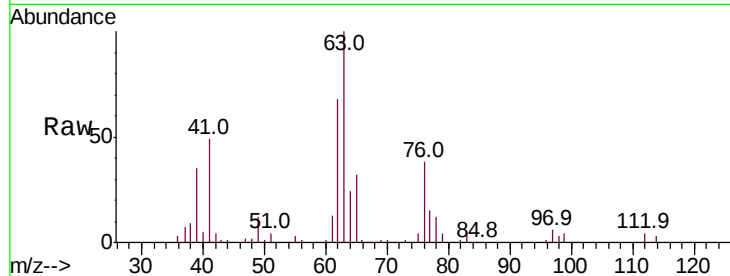
#45
 1,2-Dichloropropane
 Concen: 49.586 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN055995.D
 Acq: 5 Jun 2019 8:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 171447
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.6 36.8

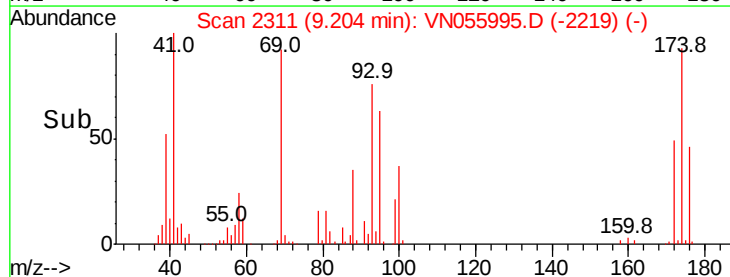
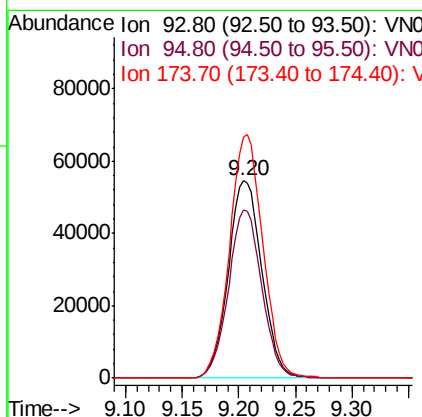
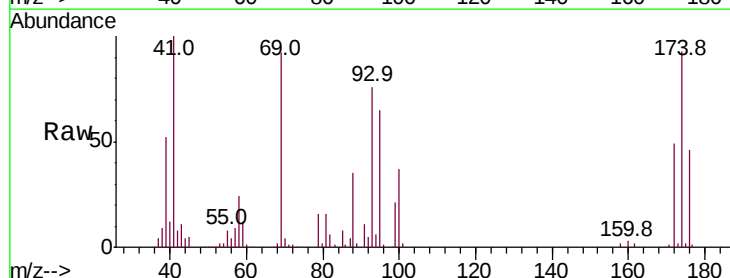
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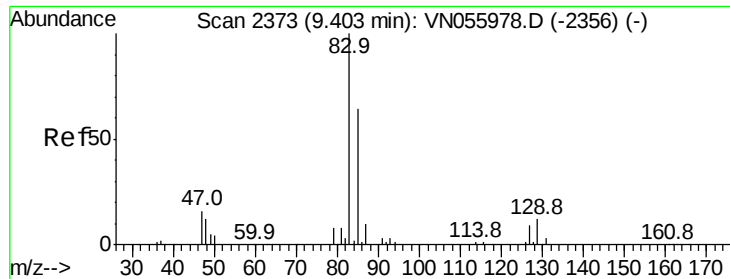
MMDadoda
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#46
 Dibromomethane
 Concen: 49.953 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN055995.D
 Acq: 5 Jun 2019 8:59

Tgt Ion: 93 Resp: 112944
 Ion Ratio Lower Upper
 93 100
 95 84.2 66.7 100.1
 174 122.4 96.4 144.6





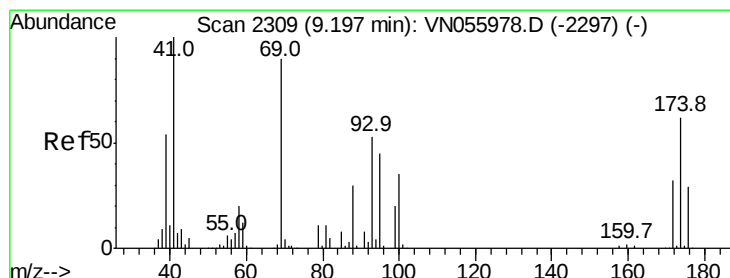
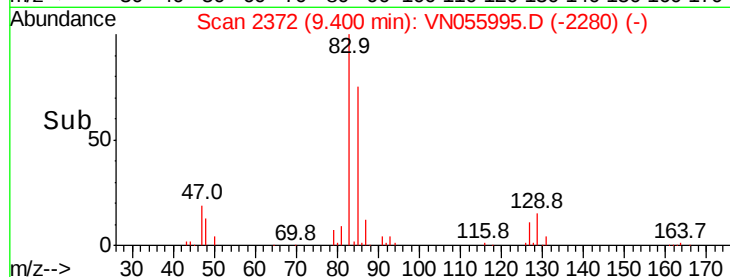
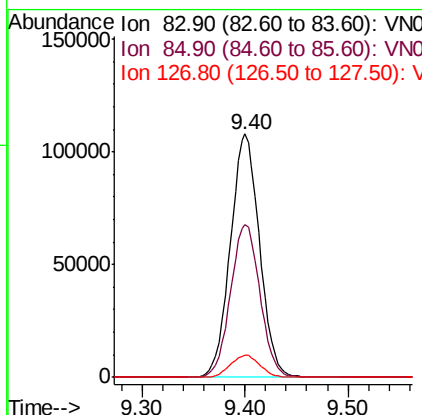
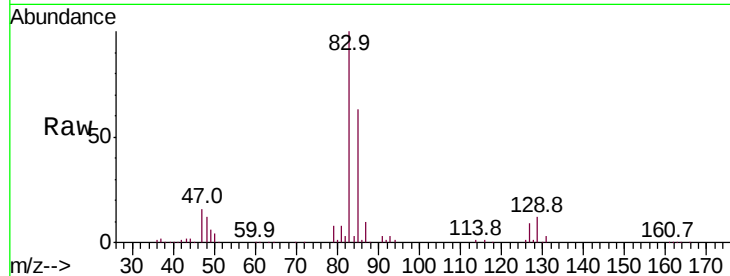
#47
Bromodichloromethane
Concen: 51.855 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.2	78.2
127	9.2	7.4	11.0

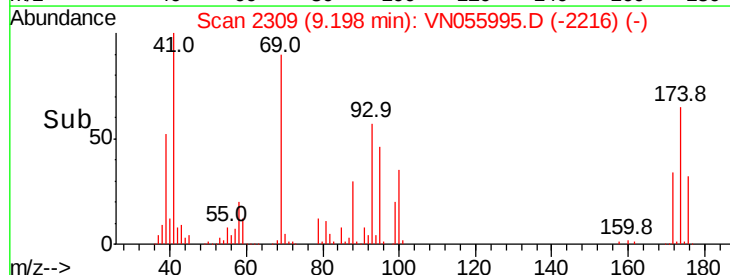
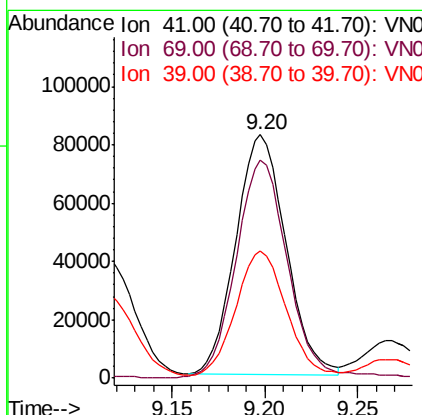
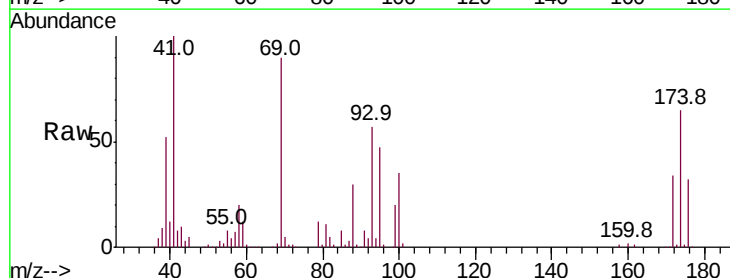
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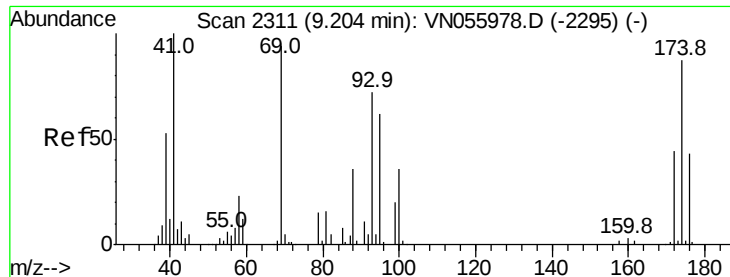
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#48
Methyl methacrylate
Concen: 49.194 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Tgt Ion	Ratio	Lower	Upper
41	100		
69	93.5	71.0	106.6
39	54.0	44.2	66.2





#49

1,4-Dioxane

Concen: 964.492 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN055995.D

Acq: 5 Jun 2019 8:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 88 Resp: 65278

Ion Ratio Lower Upper

88 100

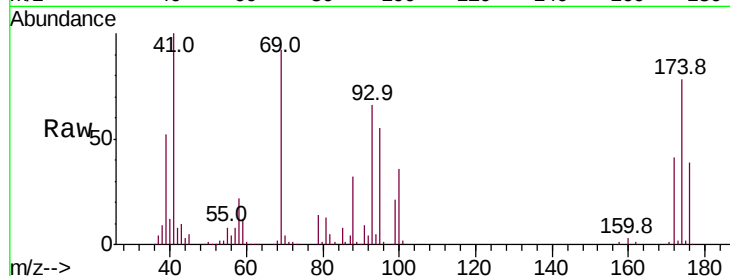
43 25.3 20.5 30.7

58 69.3 55.8 83.6

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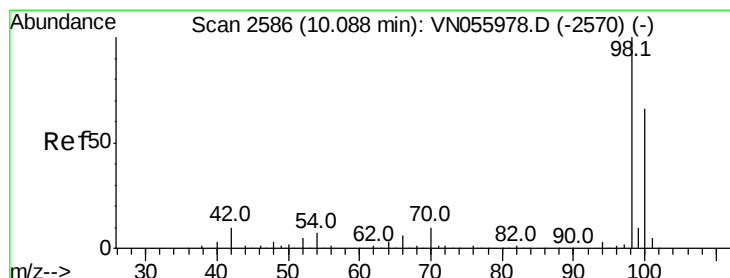
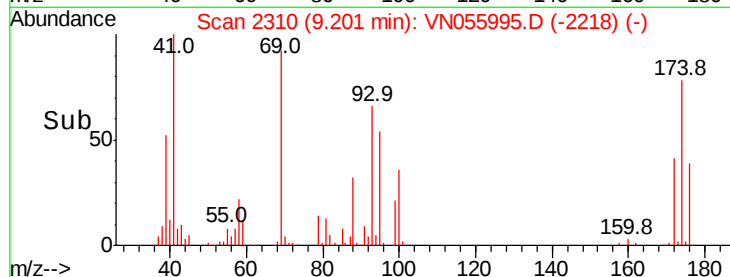
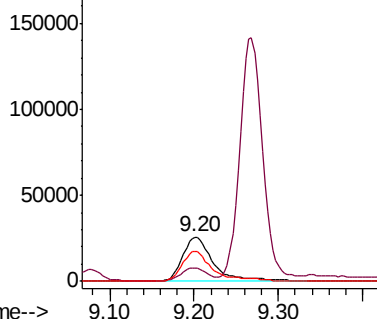
6/6/2019 12:04:42 PM



Abundance Ion 88.00 (87.70 to 88.70): VN055978.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN055978.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-2295) (-)



#50

Toluene-d8

Concen: 50.119 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN055995.D

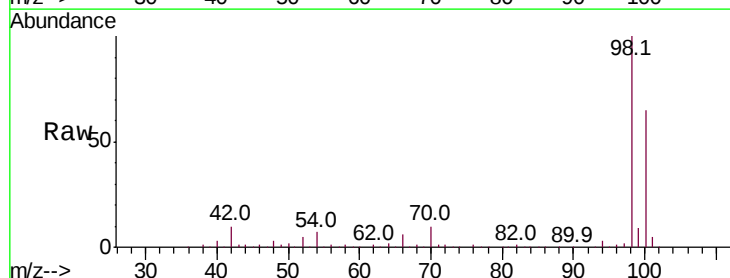
Acq: 5 Jun 2019 8:59

Tgt Ion: 98 Resp: 611595

Ion Ratio Lower Upper

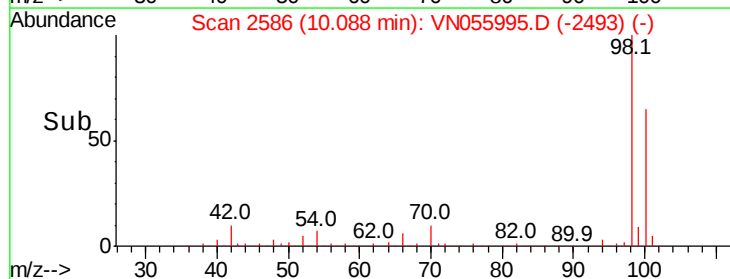
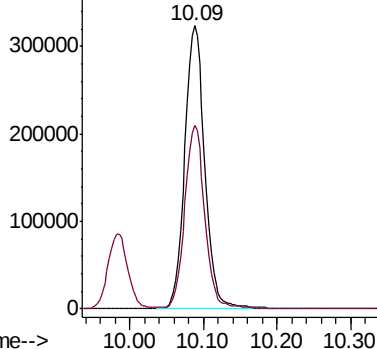
98 100

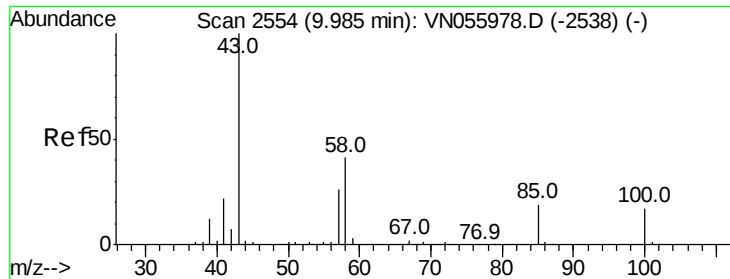
100 64.6 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055978.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055978.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 245.783 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN055995.D

Acq: 5 Jun 2019 8:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 984924

Ion Ratio Lower Upper

43 100

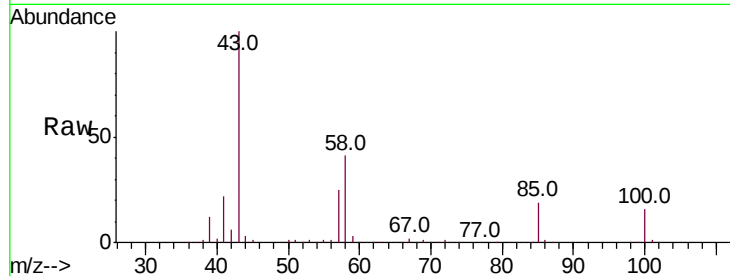
58 41.1 32.1 48.1

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

600000

500000

400000

300000

200000

100000

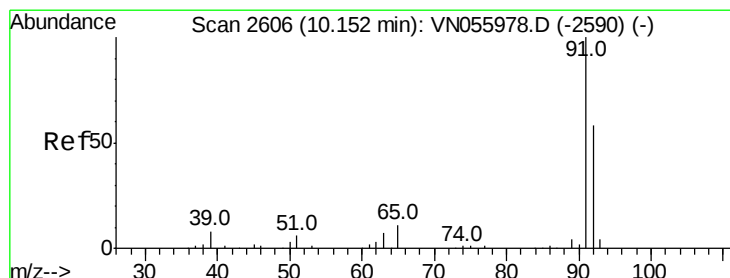
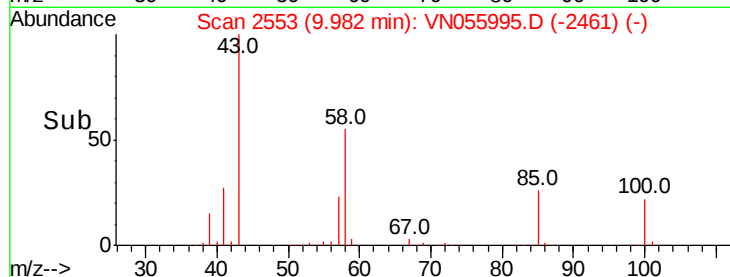
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 50.856 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN055995.D

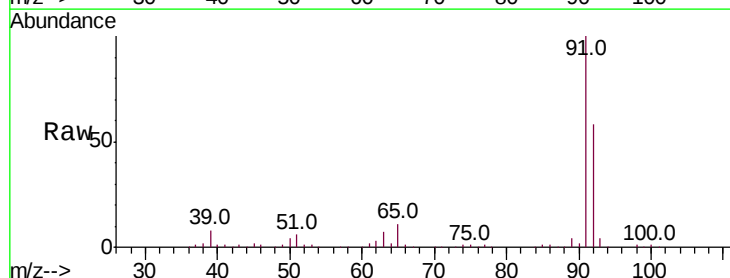
Acq: 5 Jun 2019 8:59

Tgt Ion: 92 Resp: 427178

Ion Ratio Lower Upper

92 100

91 174.5 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

400000

300000

200000

100000

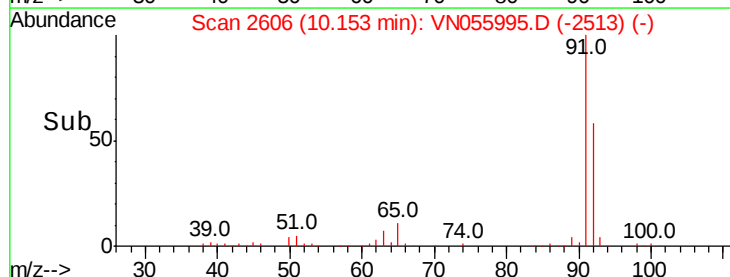
0

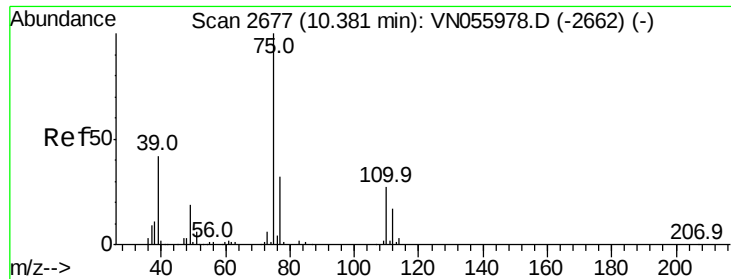
10.10

10.20

10.30

Time-->





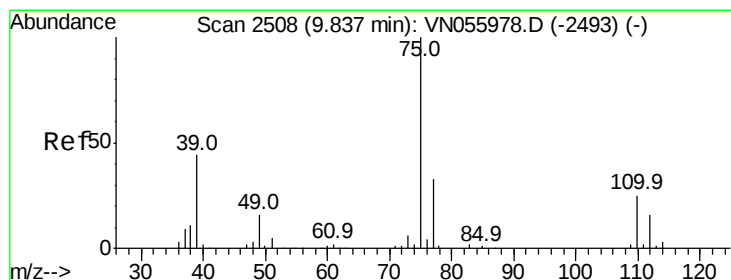
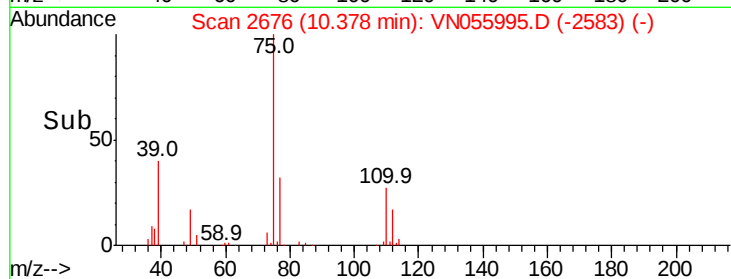
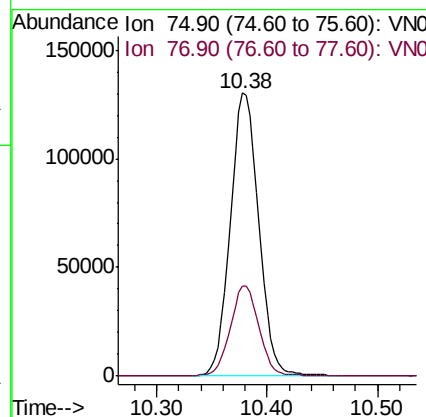
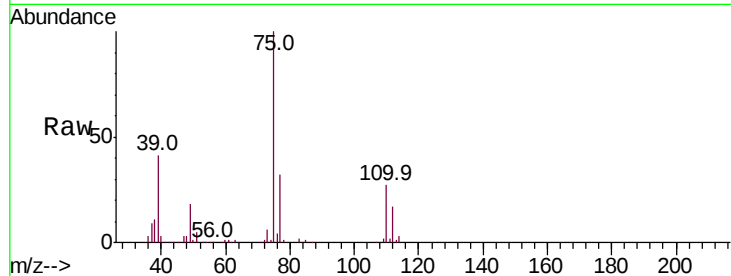
#53
 t-1,3-Dichloropropene
 Concen: 48.696 ug/l
 RT: 10.38 min Scan# 2676
 Delta R.T. -0.00 min
 Lab File: VN055995.D
 Acq: 5 Jun 2019 8:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 233640
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.8 38.6

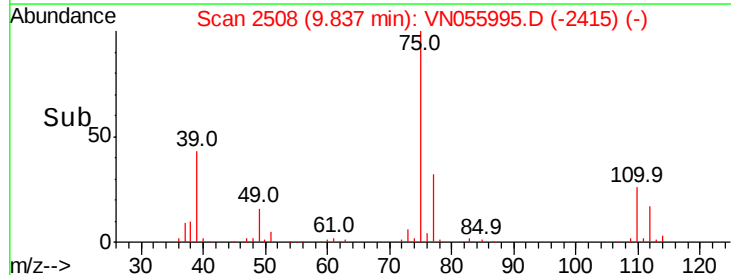
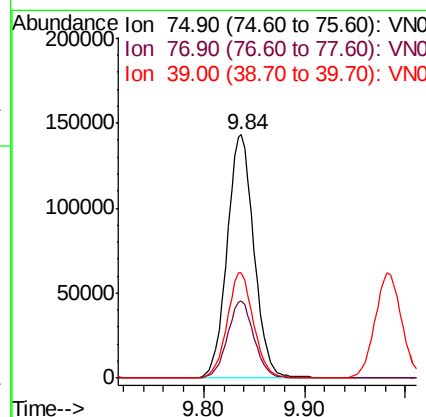
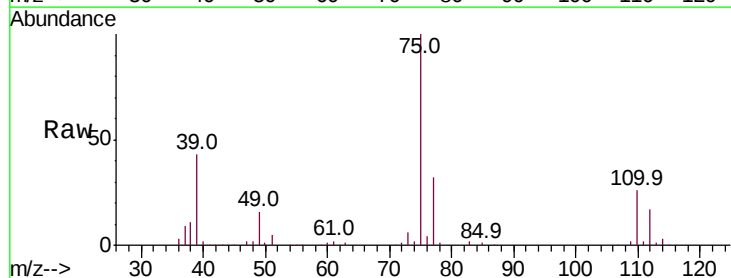
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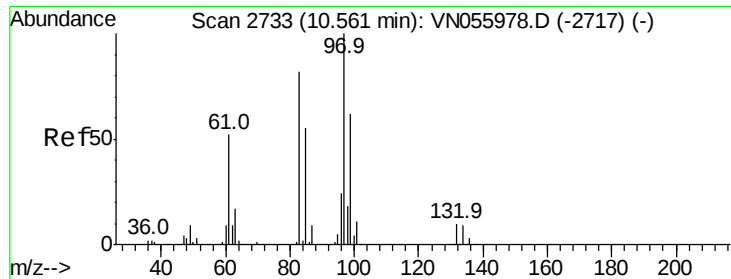
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#54
 cis-1,3-Dichloropropene
 Concen: 54.005 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN055995.D
 Acq: 5 Jun 2019 8:59

Tgt Ion: 75 Resp: 266014
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.4 38.0
 39 43.3 36.3 54.5





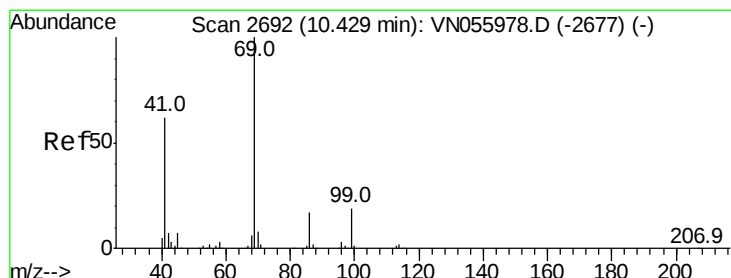
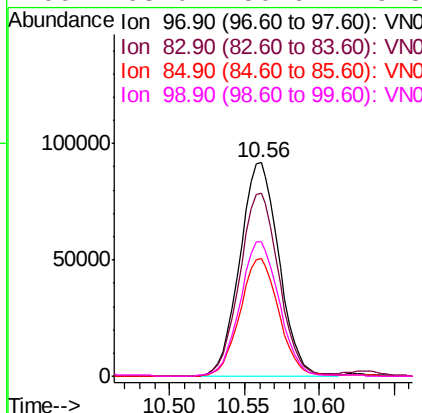
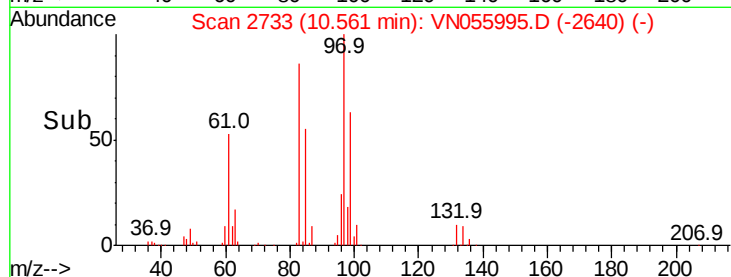
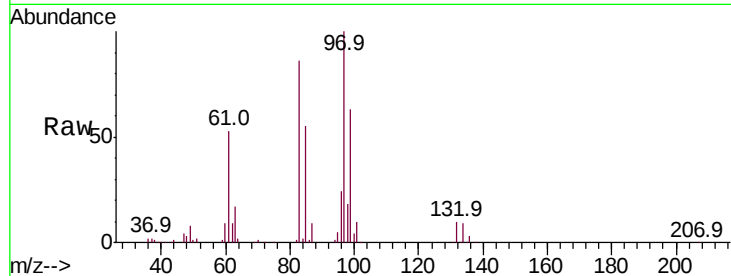
#55
 1,1,2-Trichloroethane
 Concen: 50.429 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055995.D
 Acq: 5 Jun 2019 8:59

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:	97	Resp:	167790
Ion	Ratio	Lower	Upper
97	100		
83	85.9	67.0	100.6
85	55.0	44.0	66.0
99	63.0	50.6	75.8

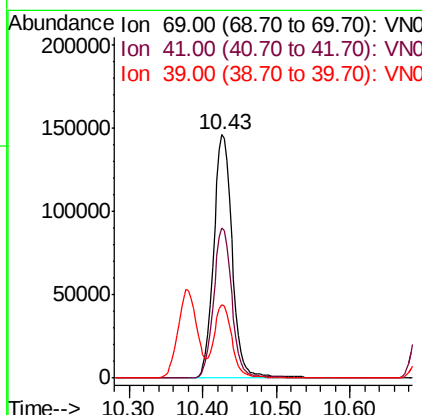
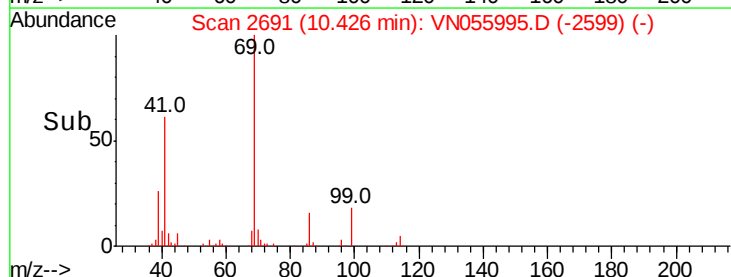
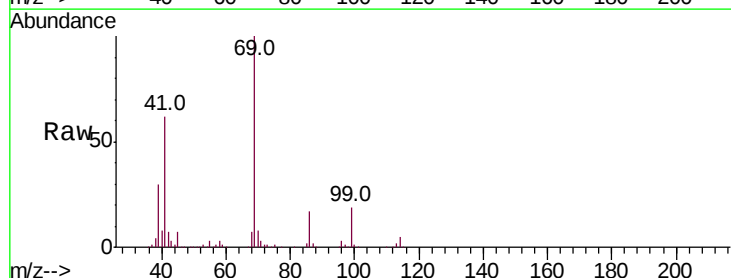
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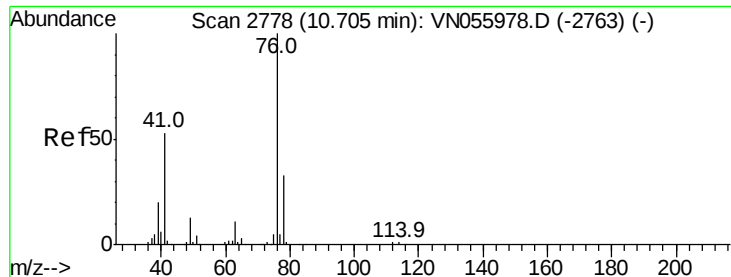
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 52.531 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN055995.D
 Acq: 5 Jun 2019 8:59

Tgt Ion:	69	Resp:	254991
Ion	Ratio	Lower	Upper
69	100		
41	60.4	49.7	74.5
39	29.1	24.7	37.1





#57

1,3-Dichloropropane

Concen: 50.424 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055995.D

Acq: 5 Jun 2019 8:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 272739

Ion Ratio Lower Upper

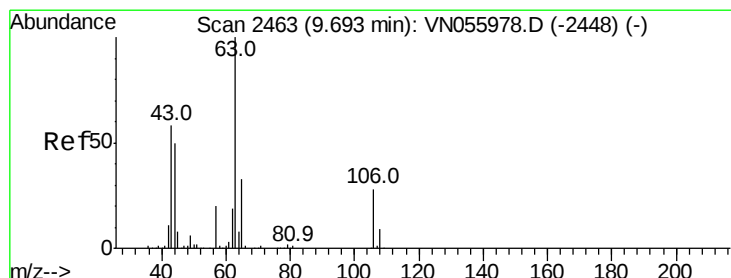
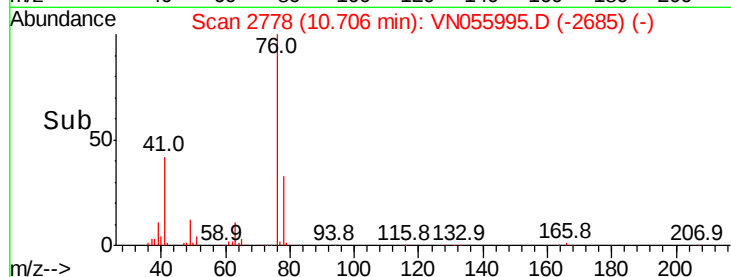
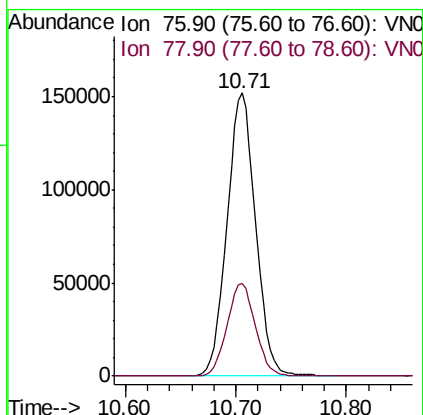
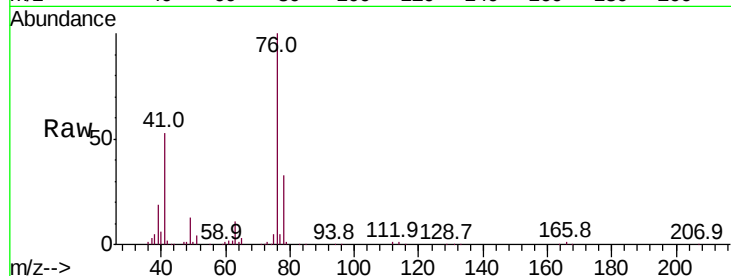
76 100

78 32.6 25.8 38.6

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 231.703 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055995.D

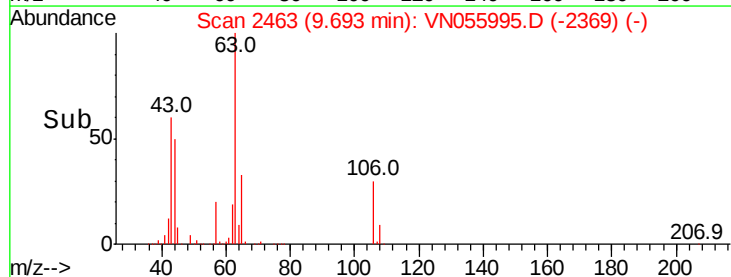
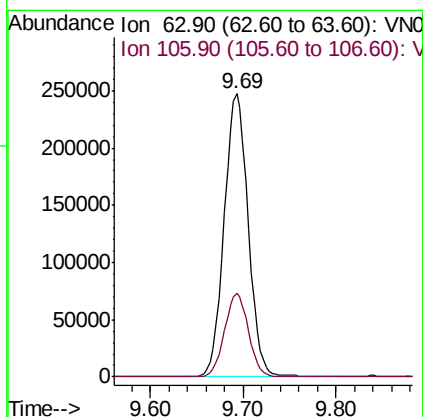
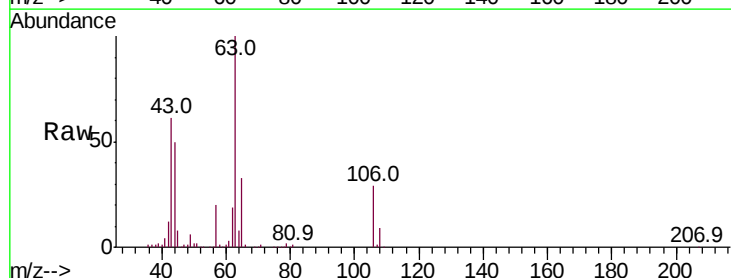
Acq: 5 Jun 2019 8:59

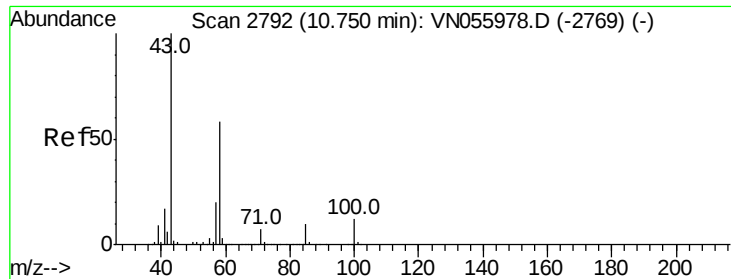
Tgt Ion: 63 Resp: 443703

Ion Ratio Lower Upper

63 100

106 29.3 22.7 34.1





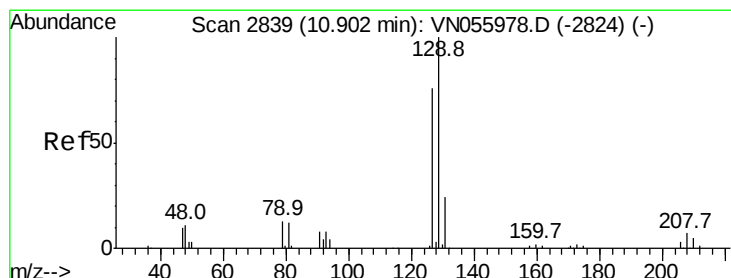
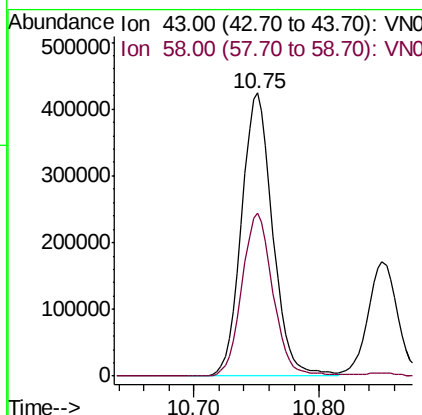
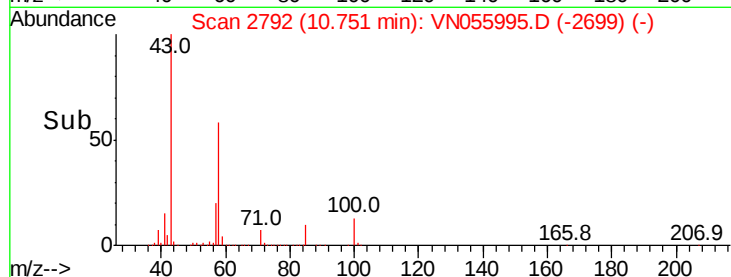
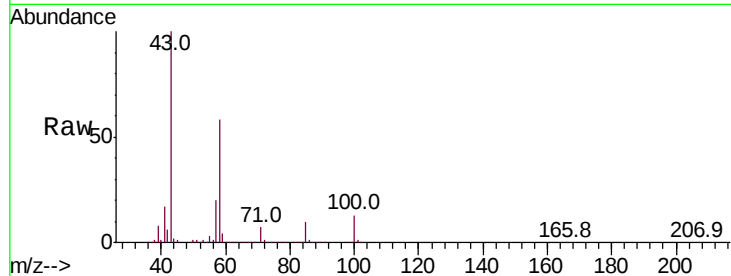
#59
2-Hexanone
Concen: 252.800 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 734232
Ion Ratio Lower Upper
43 100
58 57.4 28.2 84.7

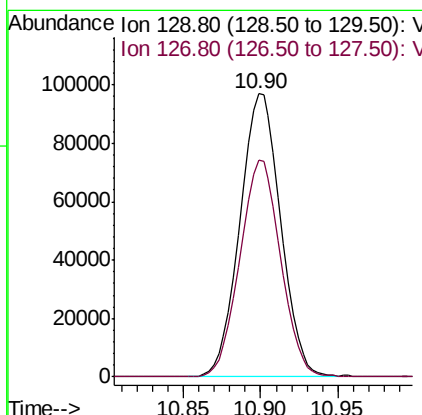
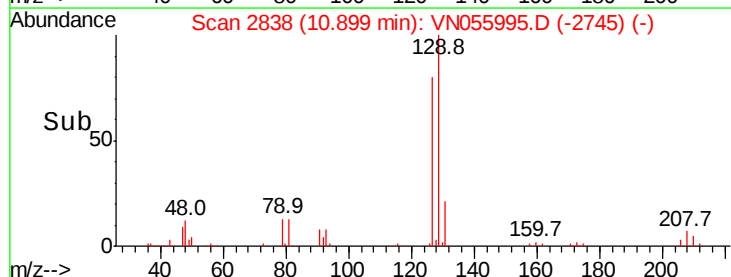
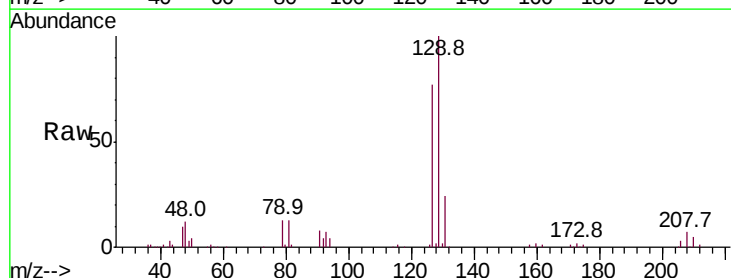
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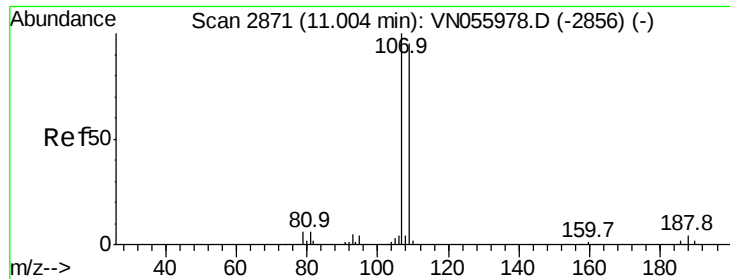
MMDadoda
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#60
Dibromochloromethane
Concen: 48.552 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Tgt Ion: 129 Resp: 177896
Ion Ratio Lower Upper
129 100
127 76.7 38.1 114.3





#61

1,2-Dibromoethane

Concen: 52.205 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055995.D

Acq: 5 Jun 2019 8:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 177573

Ion Ratio Lower Upper

107 100

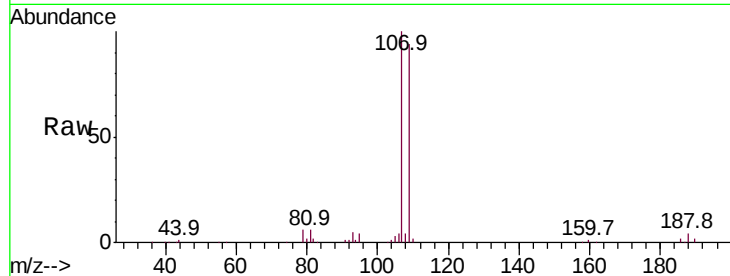
109 94.2 74.8 112.2

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

100000

80000

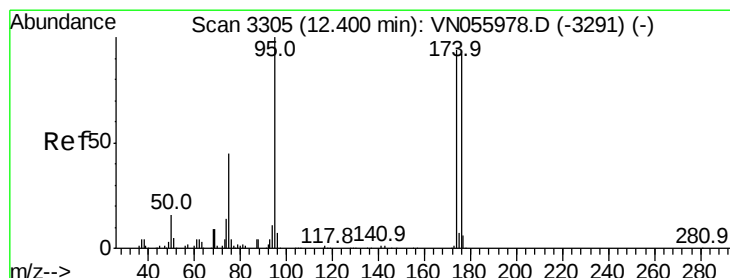
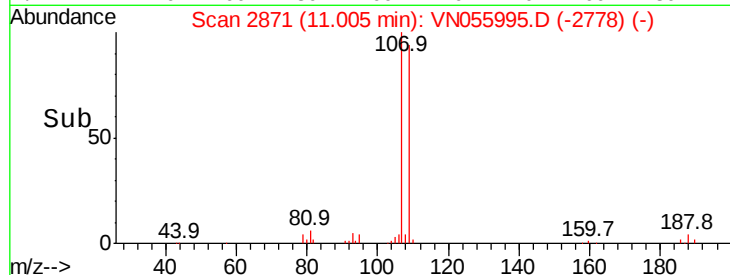
60000

40000

20000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 51.774 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055995.D

Acq: 5 Jun 2019 8:59

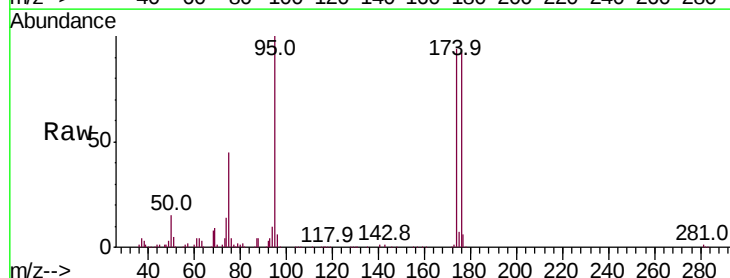
Tgt Ion: 95 Resp: 214855

Ion Ratio Lower Upper

95 100

174 94.4 0.0 191.0

176 91.3 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

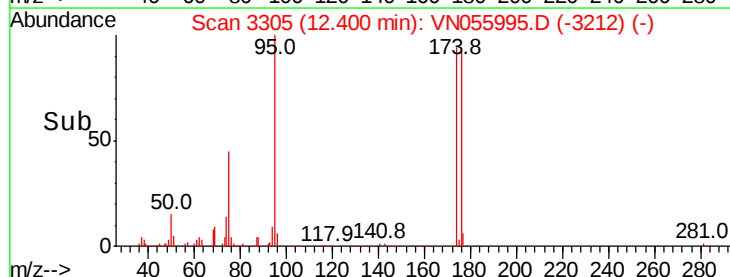
150000

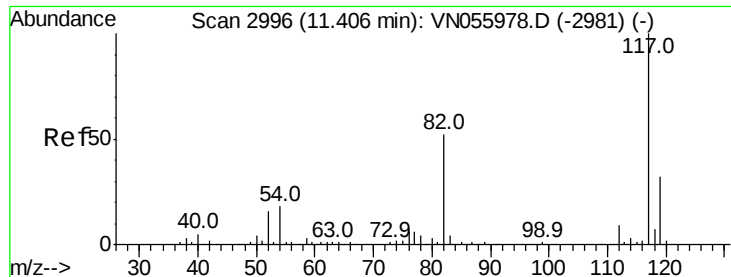
100000

50000

0

Time--> 12.30 12.40 12.50





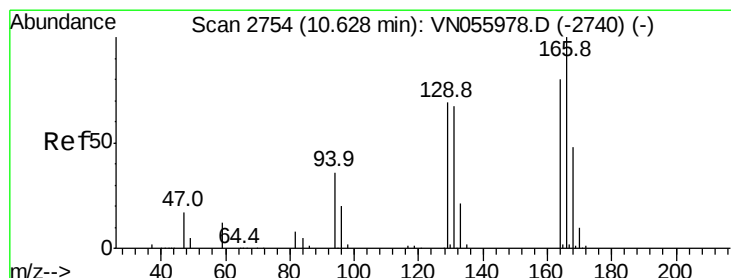
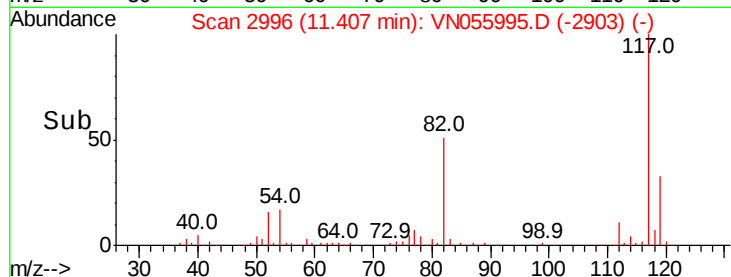
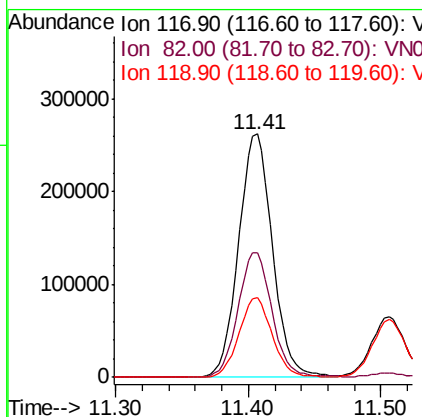
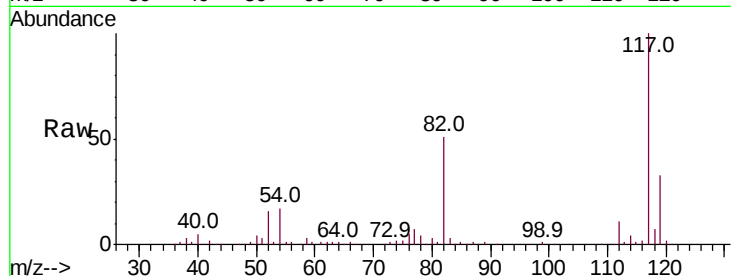
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.9	41.8	62.8
119	32.6	25.4	38.0

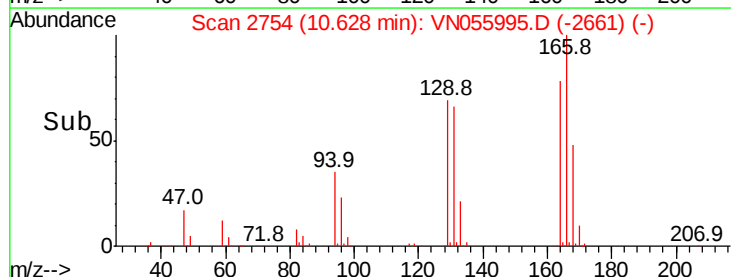
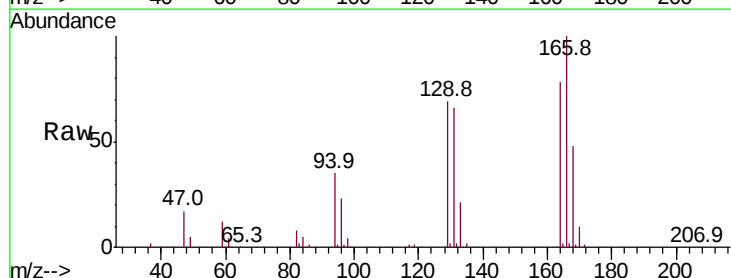
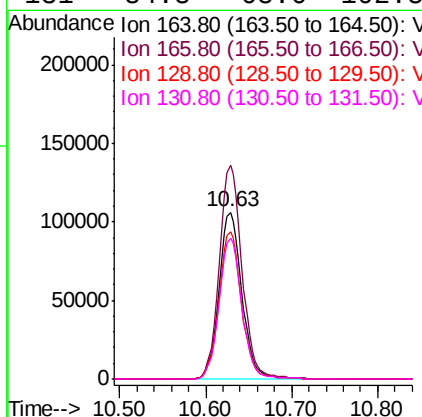
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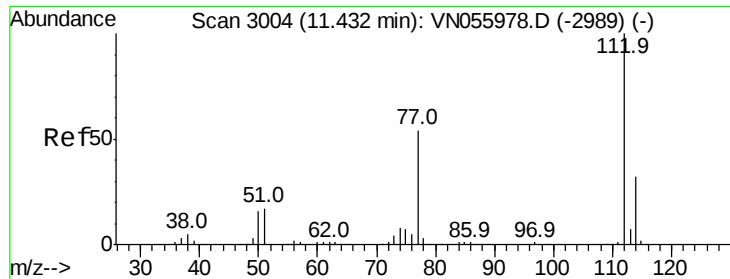
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#64
Tetrachloroethene
Concen: 48.603 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	103.0	154.6
129	88.7	70.6	105.8
131	84.8	68.6	102.8





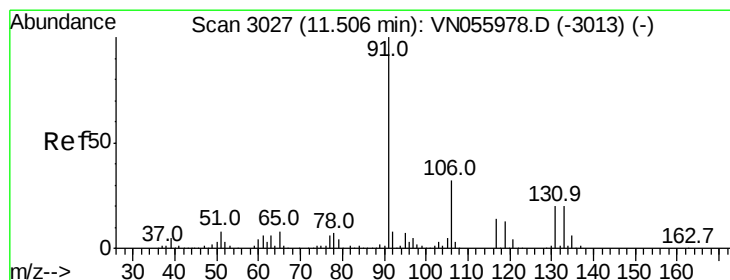
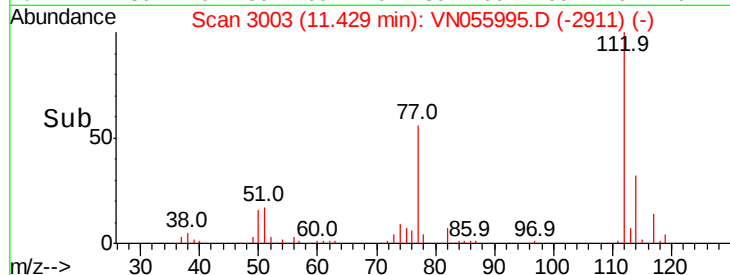
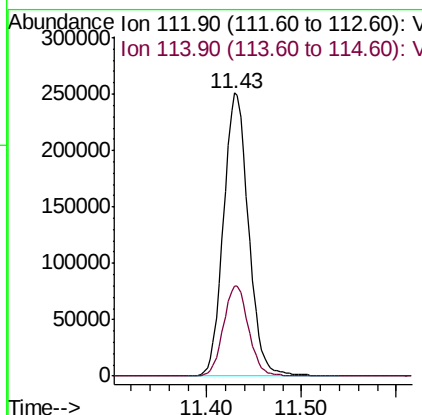
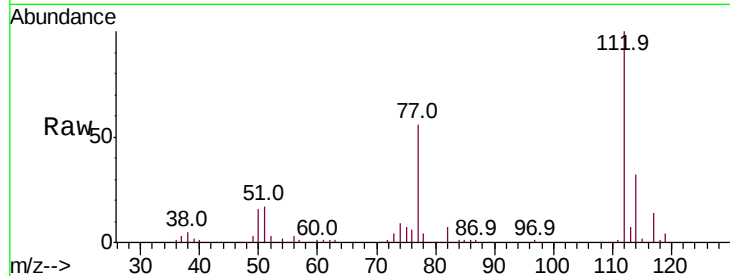
#65
Chlorobenzene
Concen: 49.710 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 461412
Ion Ratio Lower Upper
112 100
114 32.0 26.2 39.4

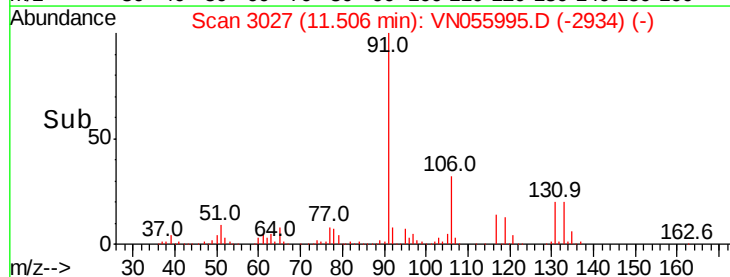
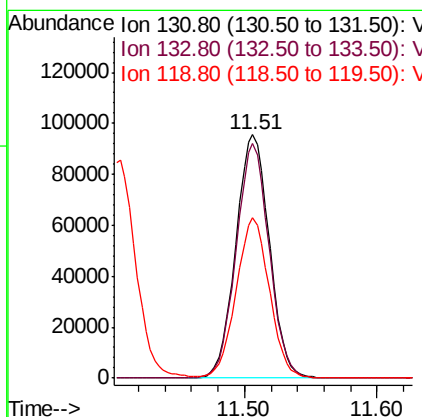
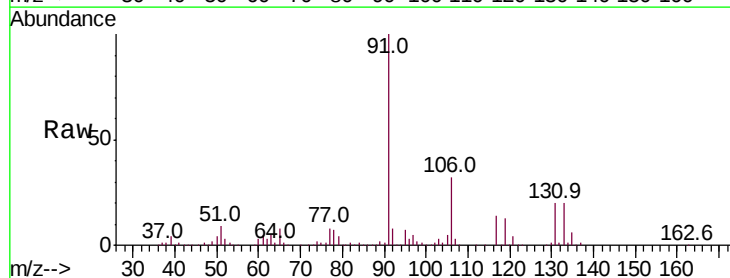
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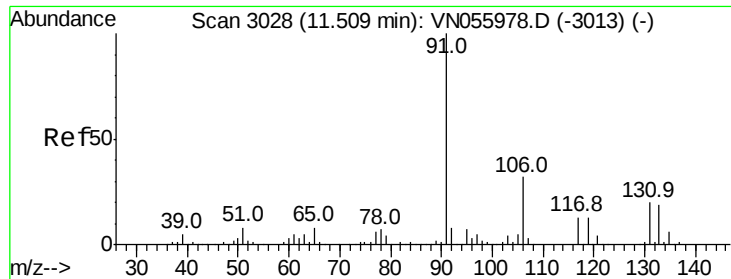
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.332 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Tgt Ion:131 Resp: 167724
Ion Ratio Lower Upper
131 100
133 95.0 48.0 144.0
119 65.4 33.1 99.5





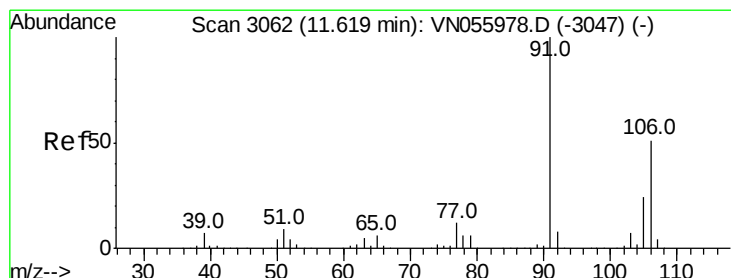
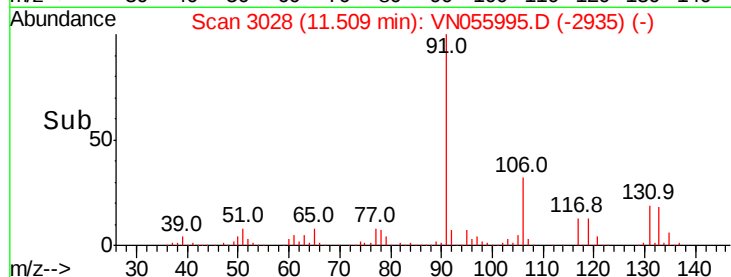
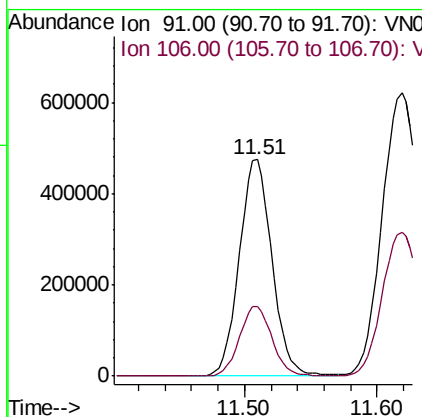
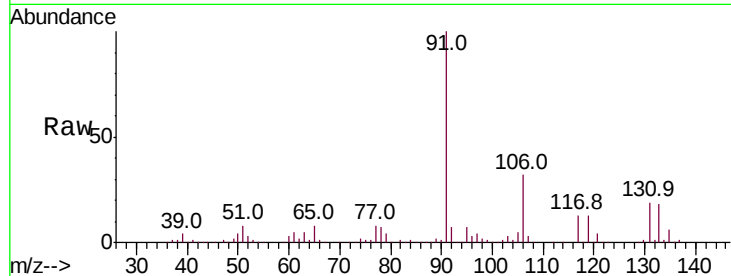
#67
Ethyl Benzene
Concen: 50.484 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 814818
Ion Ratio Lower Upper
91 100
106 32.3 25.1 37.7

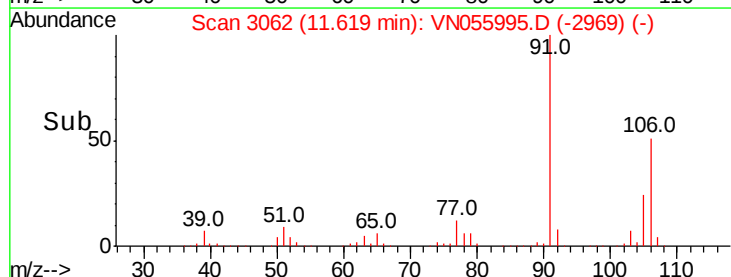
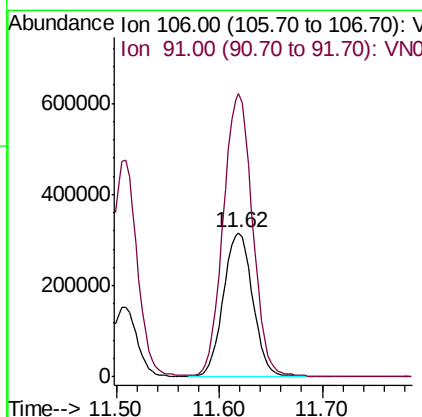
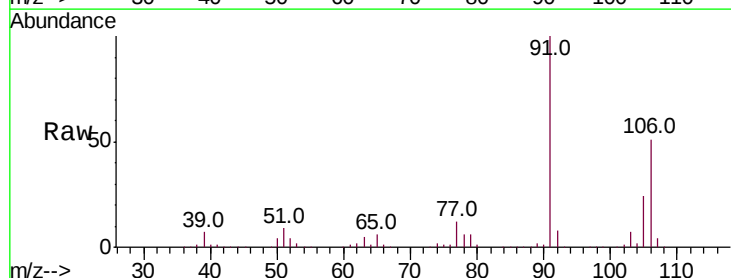
Manual Integrations
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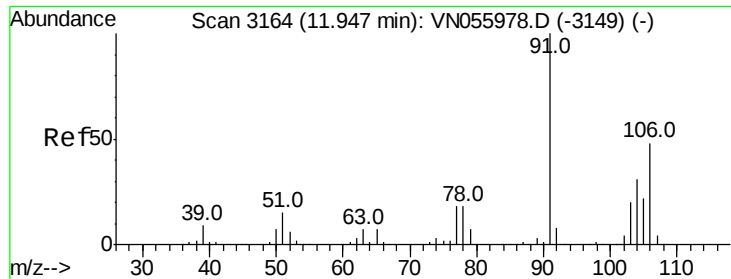
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#68
m/p-Xylenes
Concen: 102.128 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Tgt Ion: 106 Resp: 629686
Ion Ratio Lower Upper
106 100
91 196.0 159.3 238.9





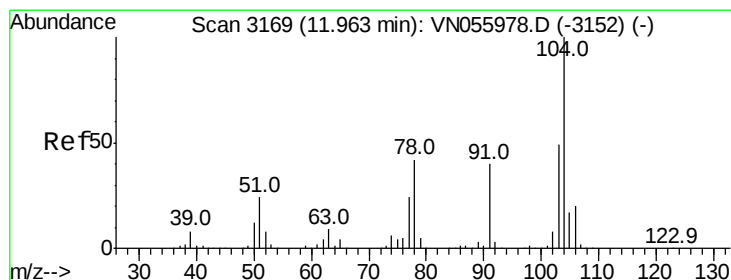
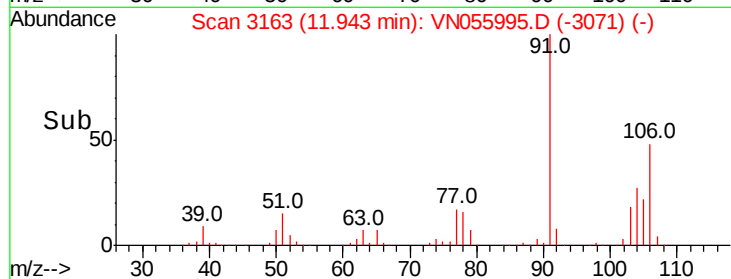
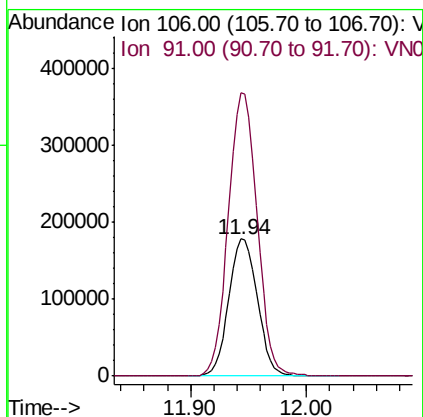
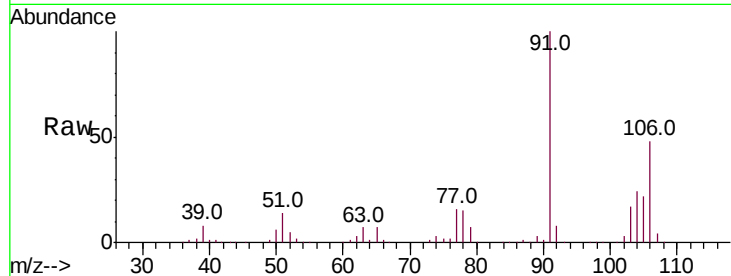
#69
o-Xylene
Concen: 50.467 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 306077
Ion Ratio Lower Upper
106 100
91 207.8 104.7 314.1

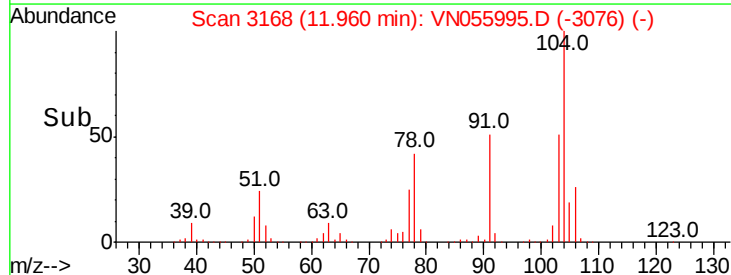
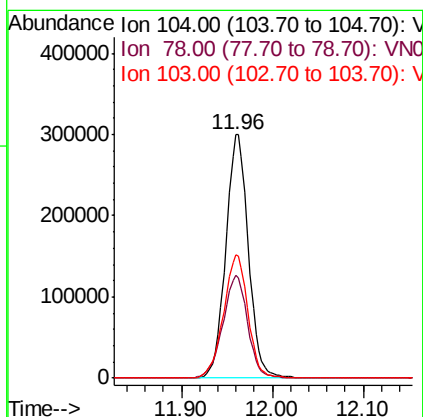
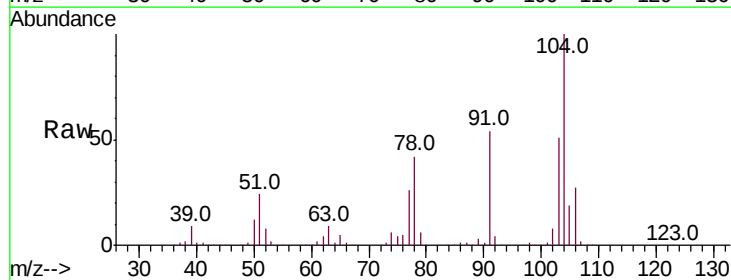
Manual Integrations
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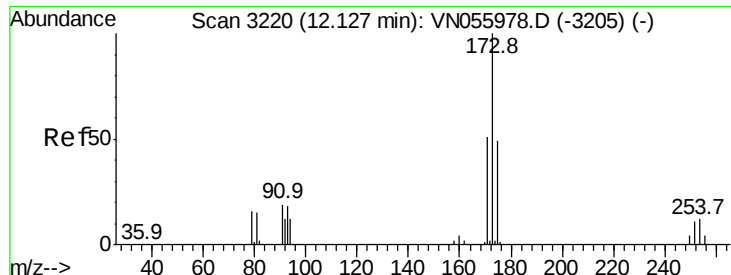
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#70
Styrene
Concen: 53.524 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Tgt Ion:104 Resp: 515777
Ion Ratio Lower Upper
104 100
78 46.3 37.8 56.6
103 54.7 44.2 66.2





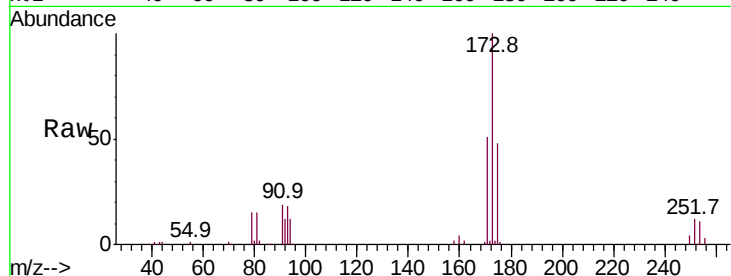
#71
Bromoform
Concen: 47.974 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	72.8
254	0.0	0.0	0.0

Manual Integrations
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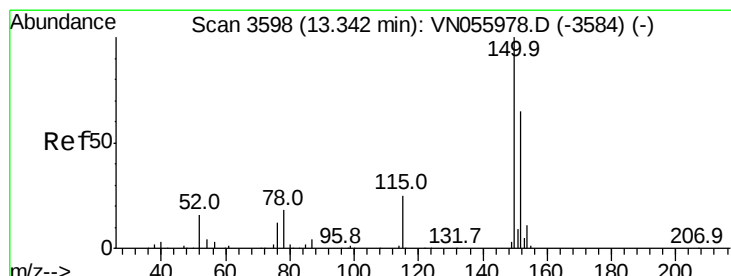
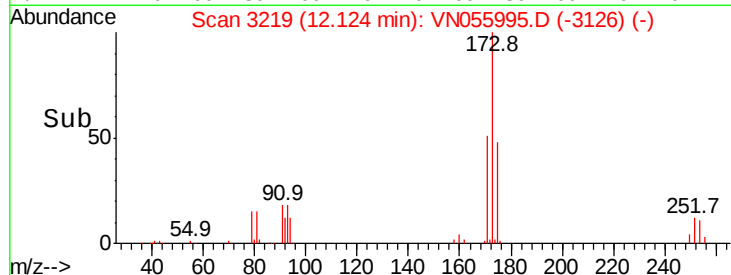
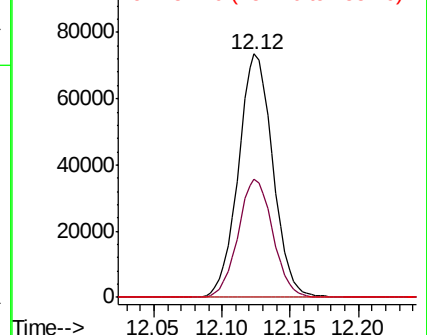


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

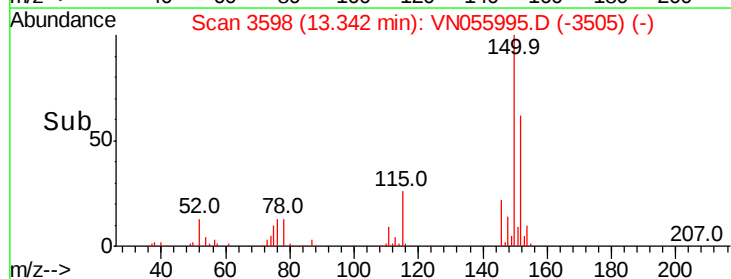
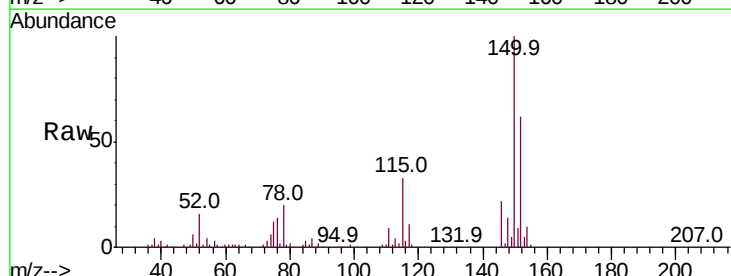
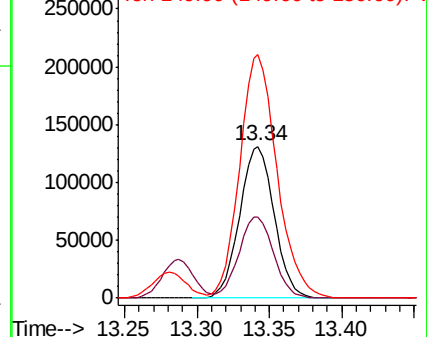
Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.1	27.0	81.0
150	173.7	0.0	343.2

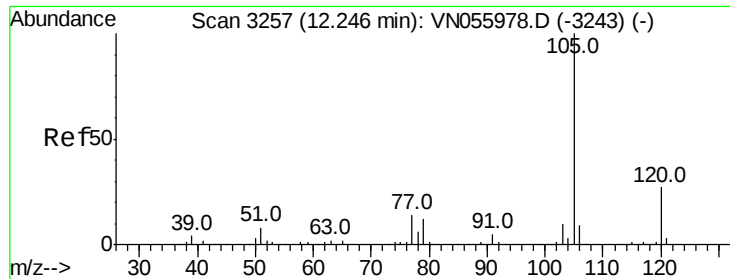
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.538 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN055995.D

Acq: 5 Jun 2019 8:59

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 809255

Ion Ratio Lower Upper

105 100

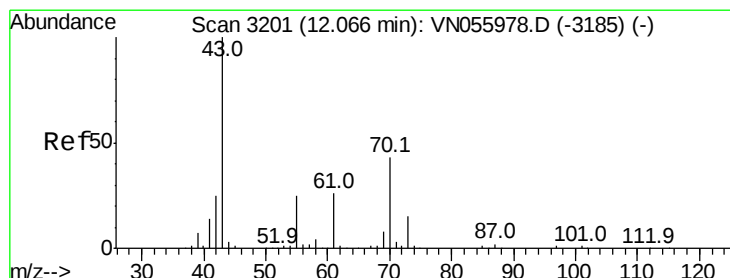
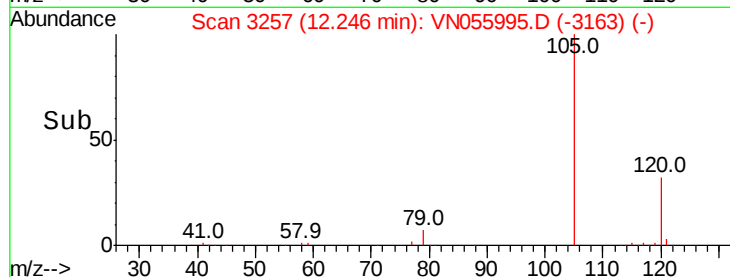
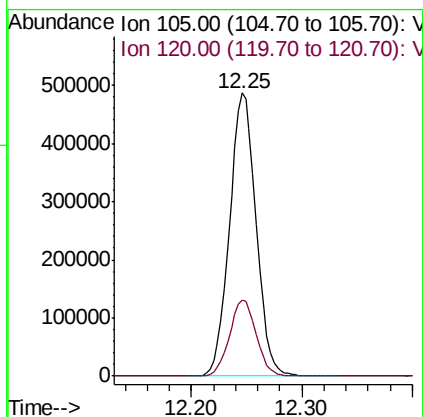
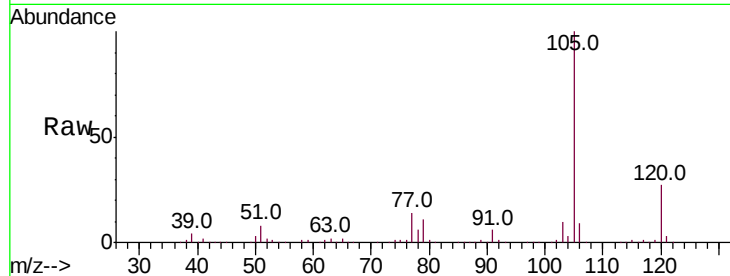
120 27.0 13.6 40.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 47.971 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN055995.D

Acq: 5 Jun 2019 8:59

Tgt Ion: 43 Resp: 276979

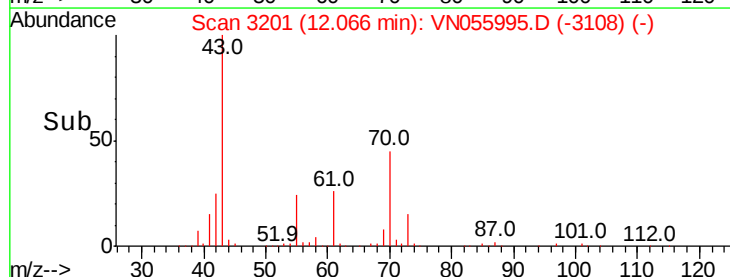
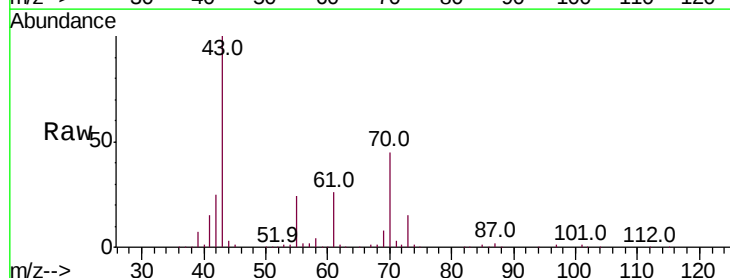
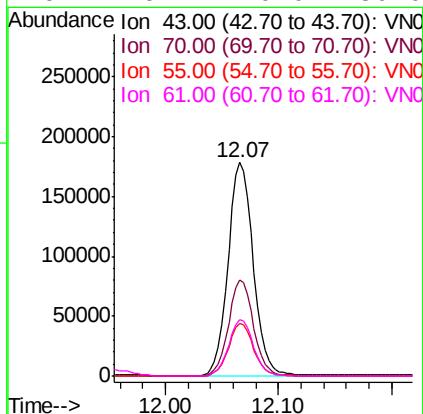
Ion Ratio Lower Upper

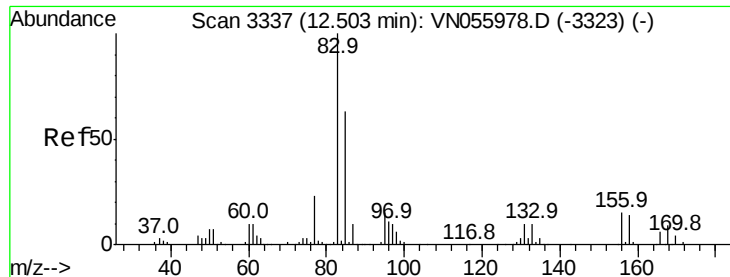
43 100

70 44.6 34.0 51.0

55 24.7 18.6 28.0

61 26.2 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 46.074 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055995.D

Acq: 5 Jun 2019 8:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 231672

Ion Ratio Lower Upper

83 100

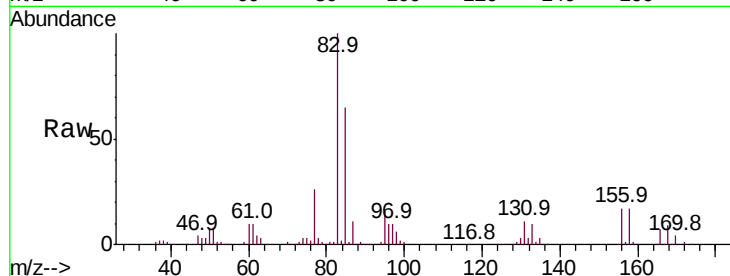
131 10.9 5.4 16.2

85 64.9 32.4 97.0

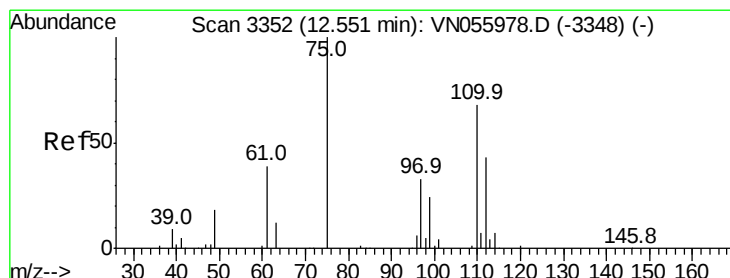
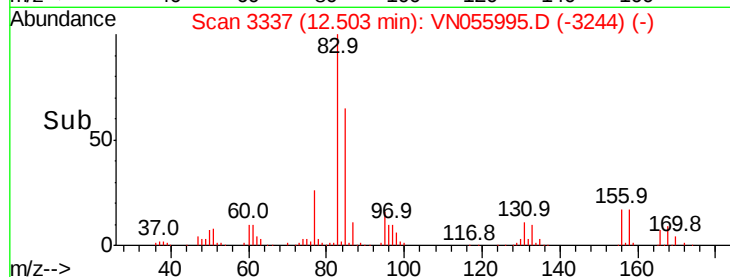
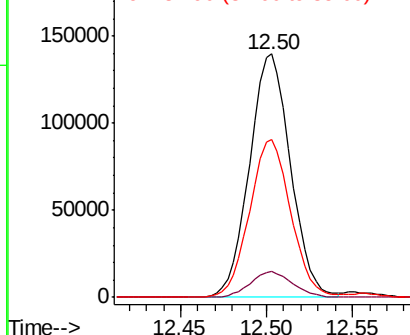
Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 48.956 ug/l m

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN055995.D

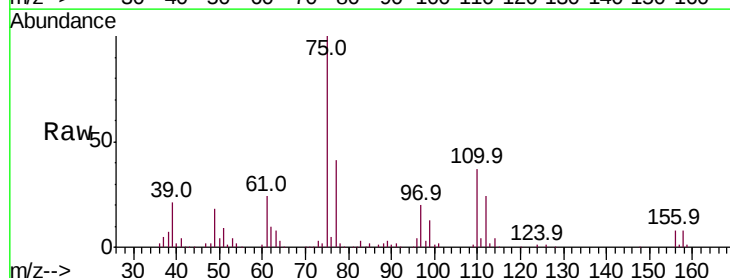
Acq: 5 Jun 2019 8:59

Tgt Ion: 75 Resp: 195119

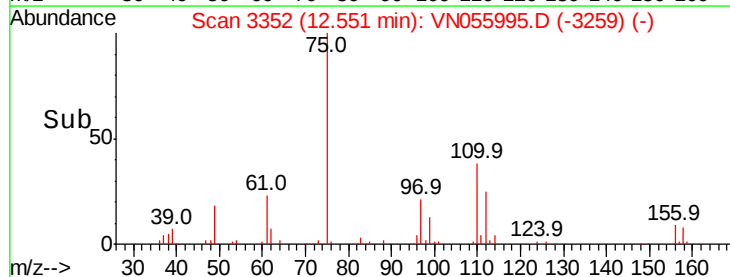
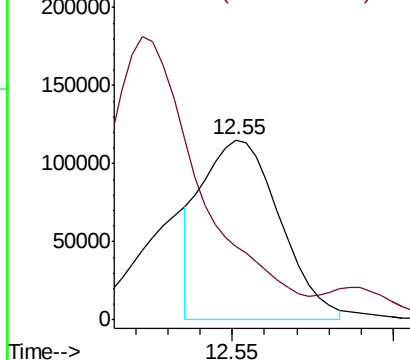
Ion Ratio Lower Upper

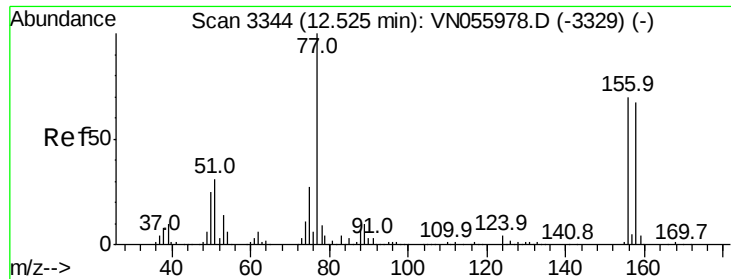
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 47.294 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN055995.D

Acq: 5 Jun 2019 8:59

Instrument :

MSVOA_N

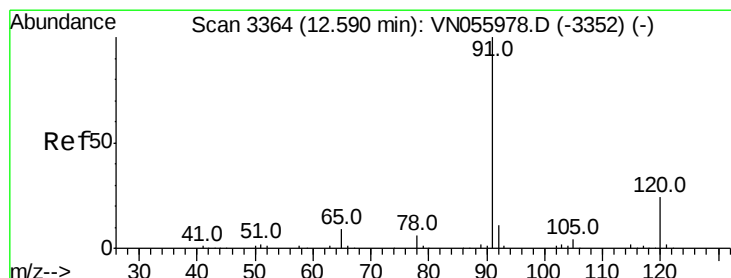
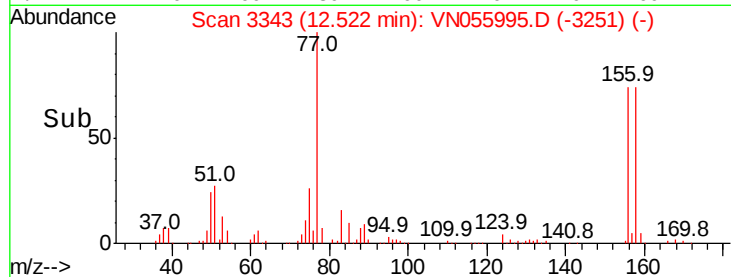
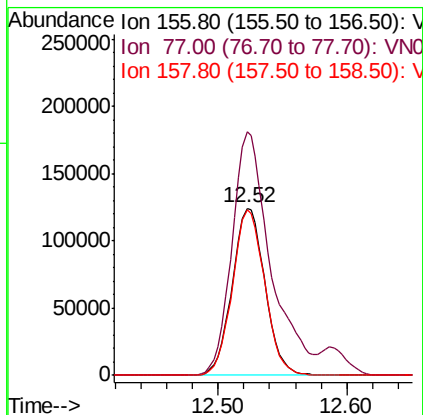
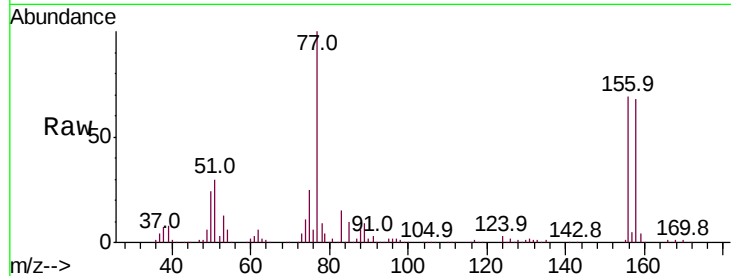
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	219320
Ion Ratio	Lower	Upper	
156	100		
77	172.1	90.8	272.5
158	97.8	49.3	147.8

Manual Integrations
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#78

n-propylbenzene

Concen: 48.138 ug/l

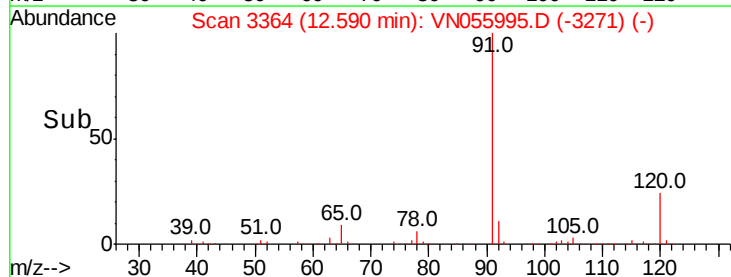
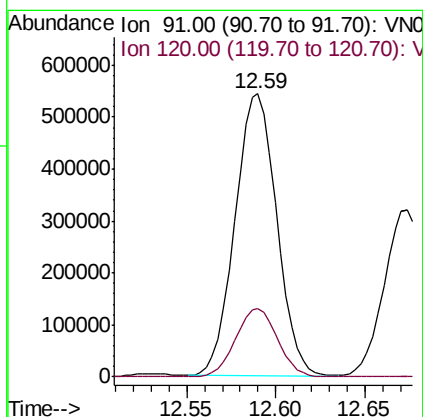
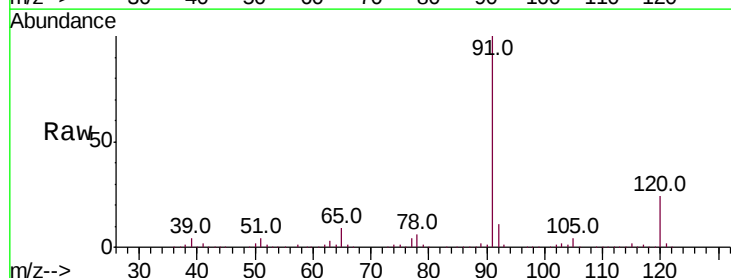
RT: 12.59 min Scan# 3364

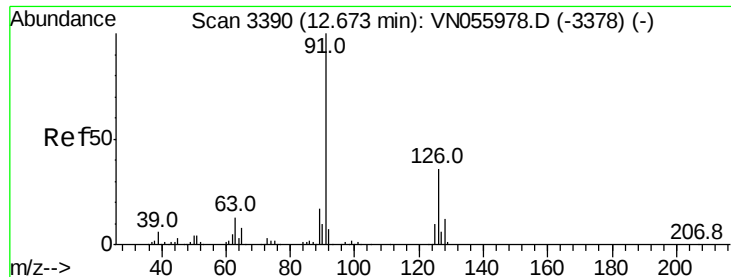
Delta R.T. 0.00 min

Lab File: VN055995.D

Acq: 5 Jun 2019 8:59

Tgt Ion:	91	Resp:	882096
Ion Ratio	Lower	Upper	
91	100		
120	24.4	12.0	36.0





#79

2-Chlorotoluene

Concen: 52.243 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055995.D

Acq: 5 Jun 2019 8:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 529936

Ion Ratio Lower Upper

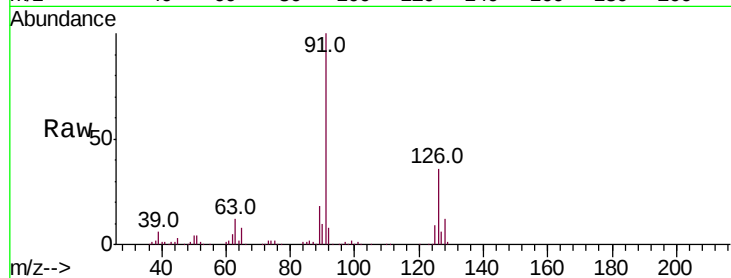
91 100

126 36.3 18.1 54.4

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055978.D (-3378) (-)

12.67

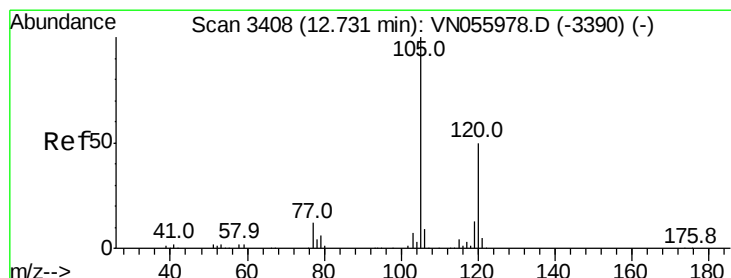
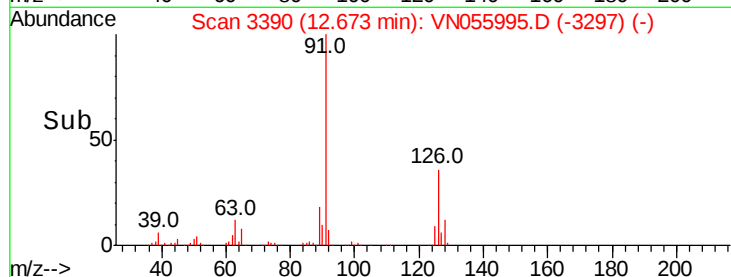
300000

200000

100000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 46.734 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055995.D

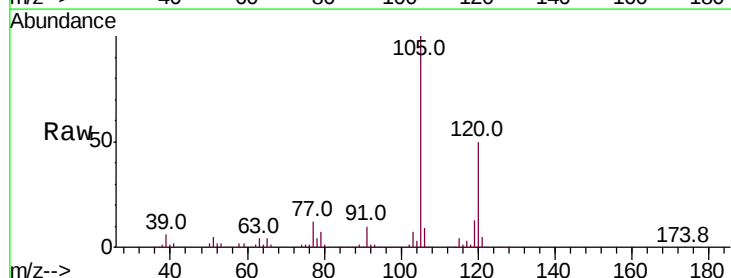
Acq: 5 Jun 2019 8:59

Tgt Ion: 105 Resp: 680611

Ion Ratio Lower Upper

105 100

120 50.0 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055978.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN055978.D (-3390) (-)

12.73

500000

400000

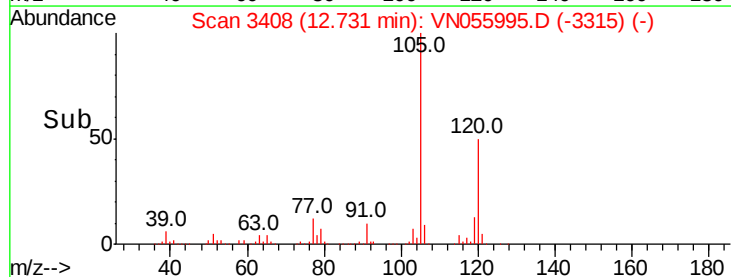
300000

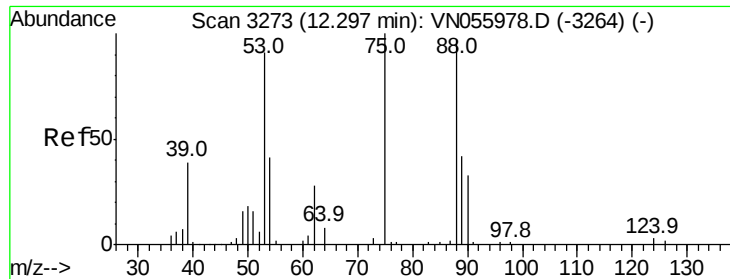
200000

100000

0

Time--> 12.70 12.80





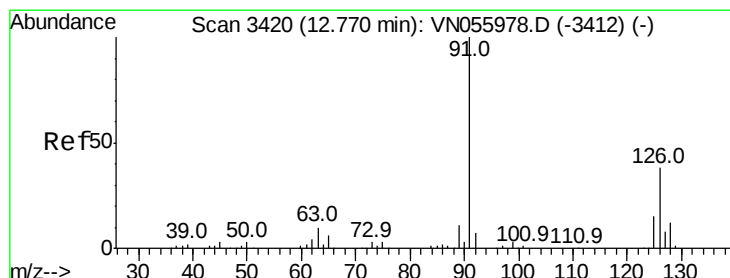
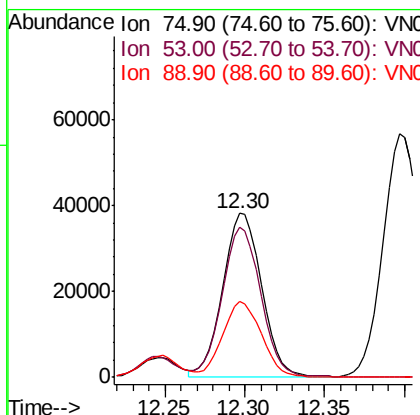
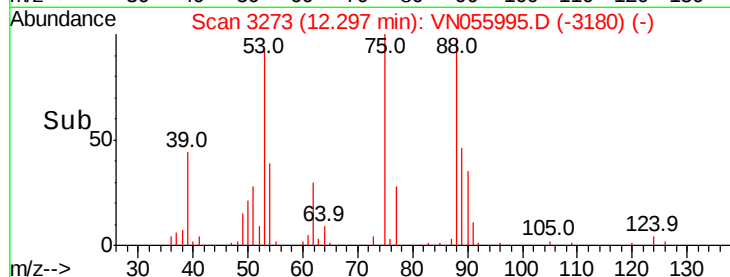
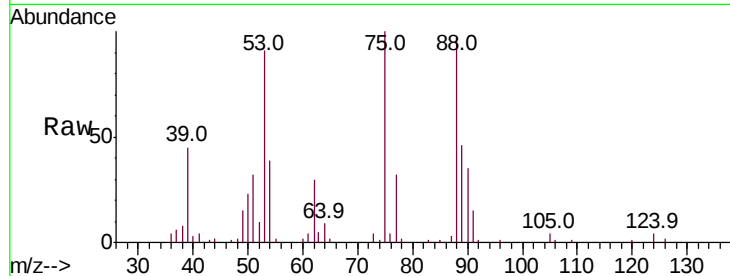
#81
trans-1,4-Dichloro-2-butene
Concen: 53.348 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.2	68.1	102.1
89	46.1	36.9	55.3

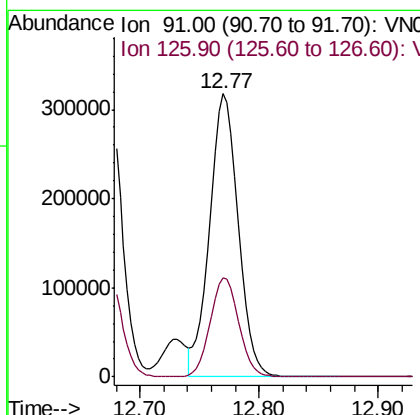
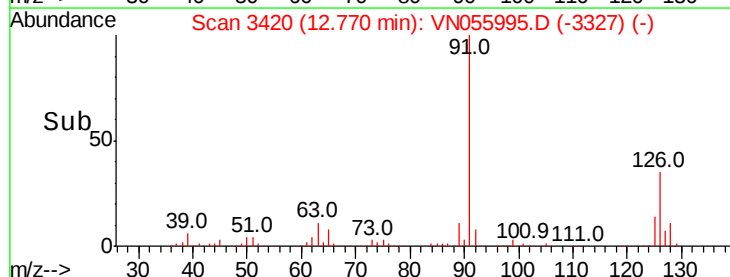
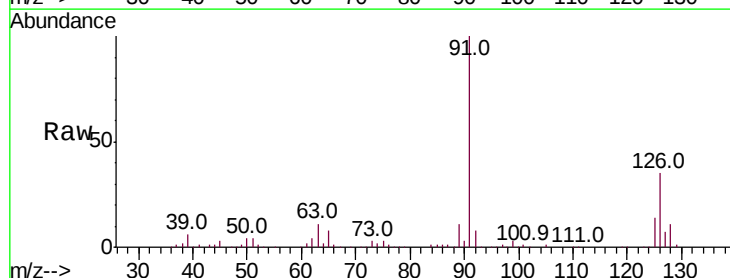
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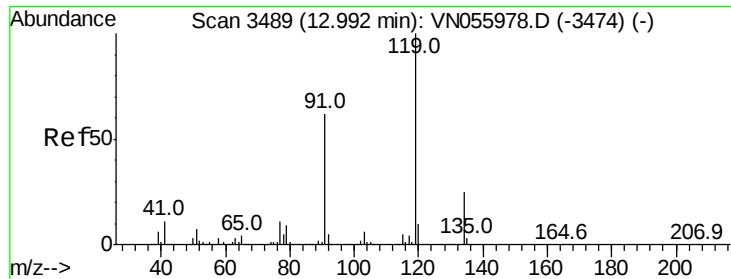
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#82
4-Chlorotoluene
Concen: 49.239 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.8	53.3





#83

tert-Butylbenzene

Concen: 52.488 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055995.D

Acq: 5 Jun 2019 8:59

Instrument :

MSVOA_N

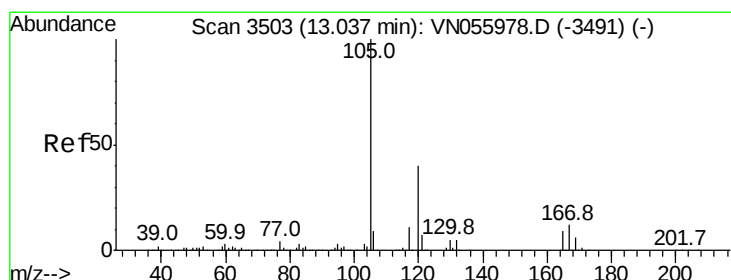
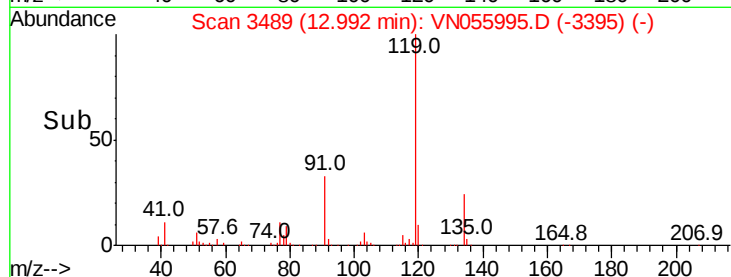
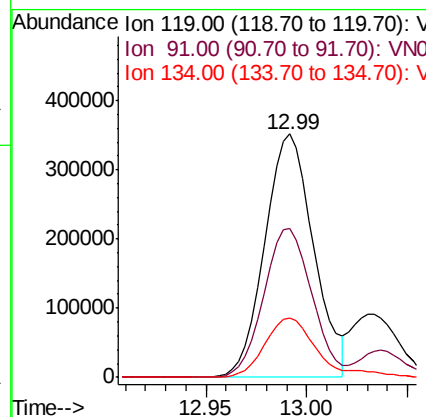
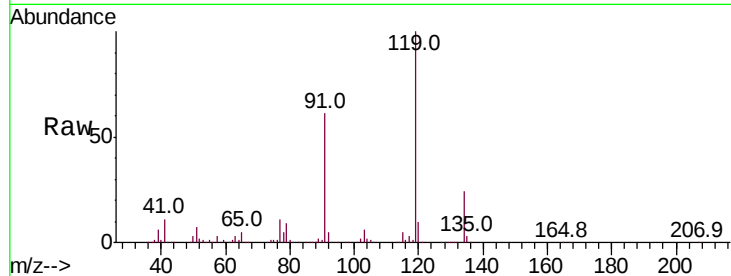
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	591560		
91	60.9	30.9	92.8	
134	26.3	13.3	39.8	

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 49.004 ug/l

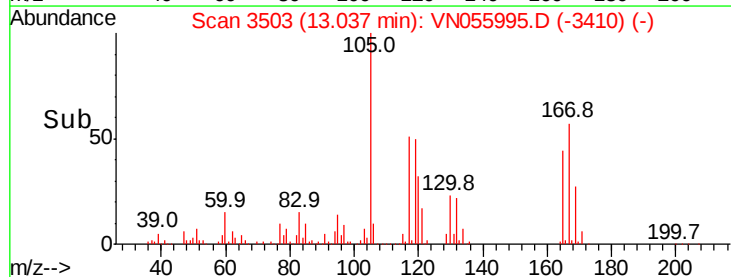
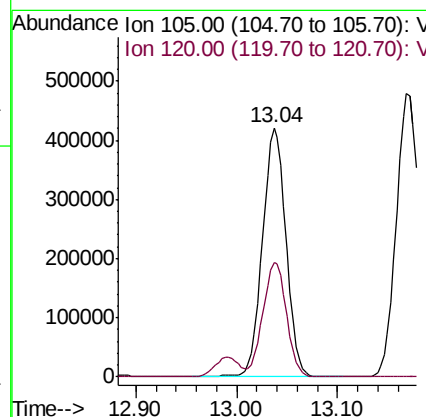
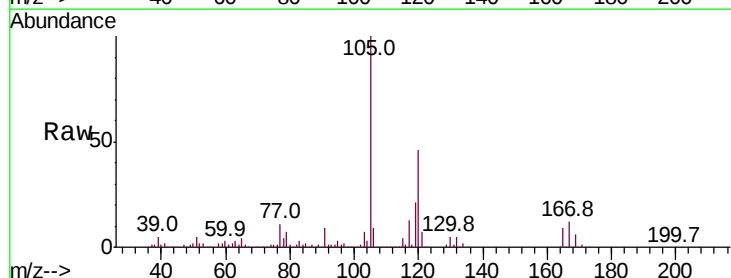
RT: 13.04 min Scan# 3503

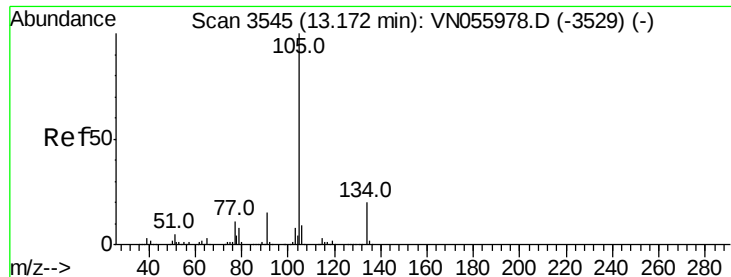
Delta R.T. 0.00 min

Lab File: VN055995.D

Acq: 5 Jun 2019 8:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	676777		
120	46.4	23.0	69.0	





#85

sec-Butylbenzene

Concen: 47.552 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN055995.D

Acq: 5 Jun 2019 8:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 771665

Ion Ratio Lower Upper

105 100

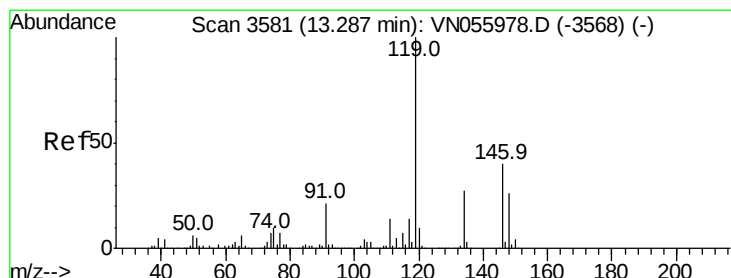
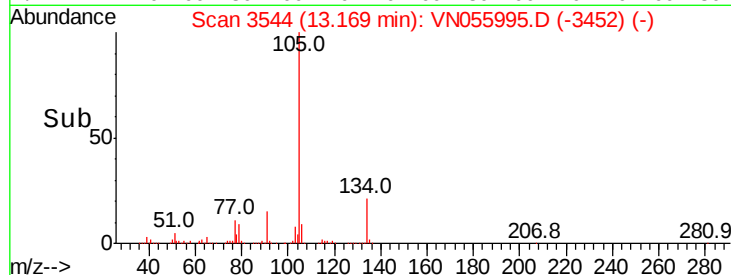
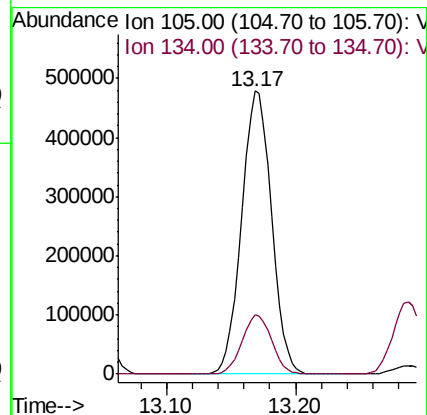
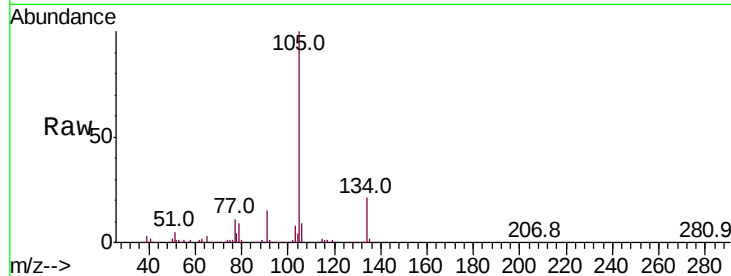
134 20.8 10.4 31.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 49.084 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055995.D

Acq: 5 Jun 2019 8:59

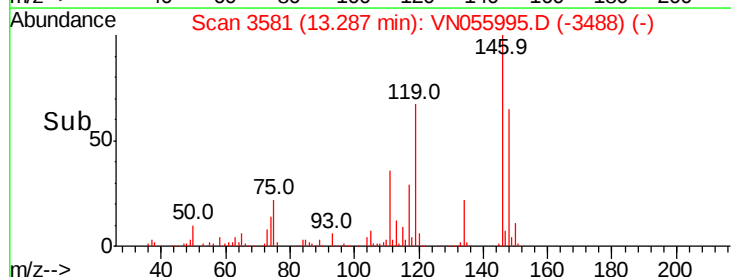
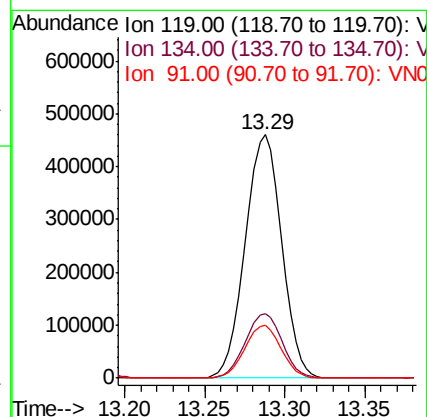
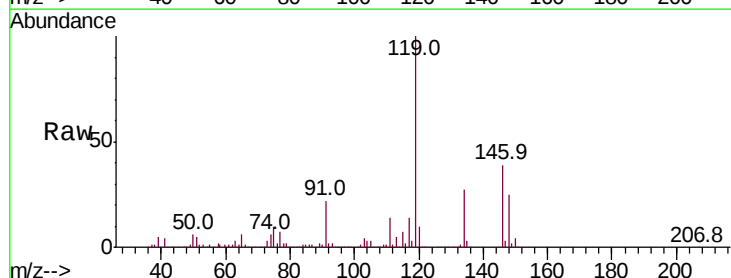
Tgt Ion:119 Resp: 712873

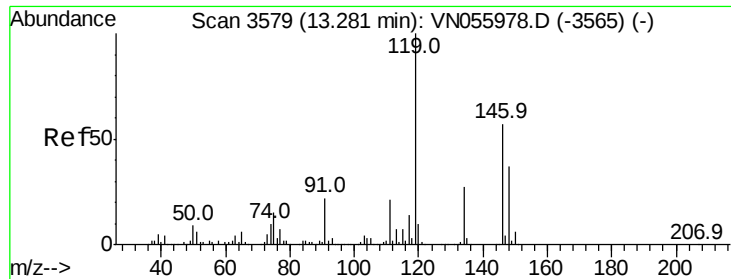
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 21.6 10.9 32.9





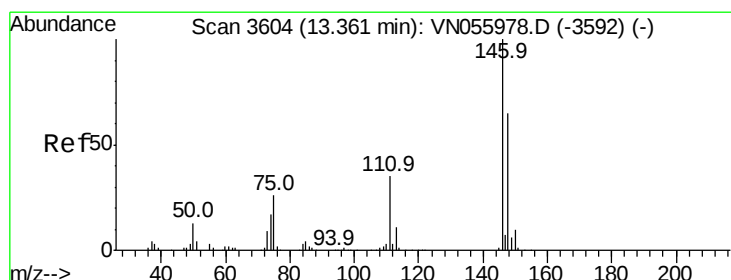
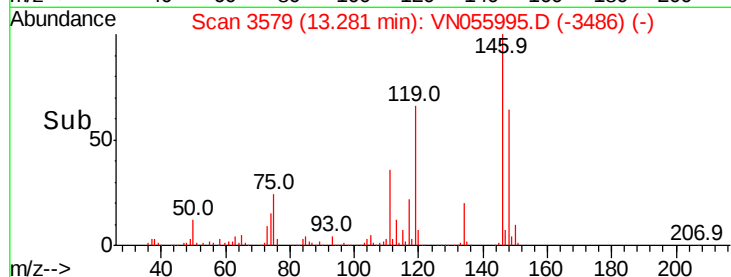
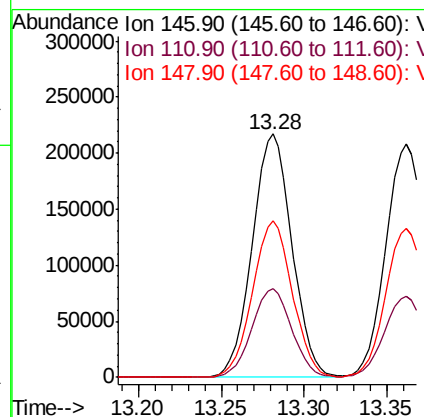
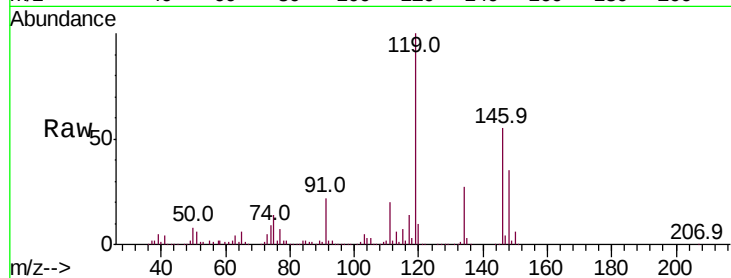
#87
 1,3-Dichlorobenzene
 Concen: 50.212 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055995.D
 Acq: 5 Jun 2019 8:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.5	55.5
148	64.4	32.0	96.2

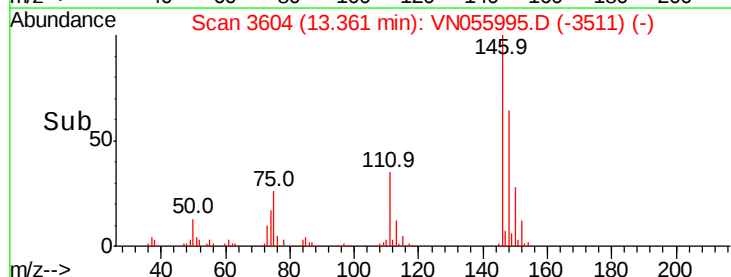
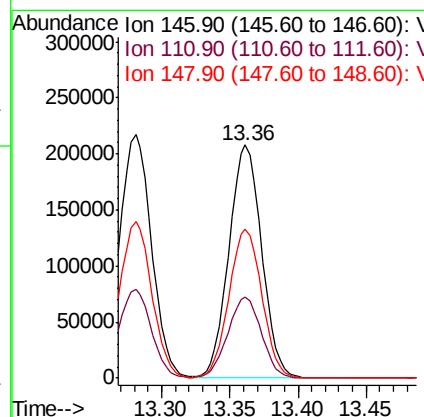
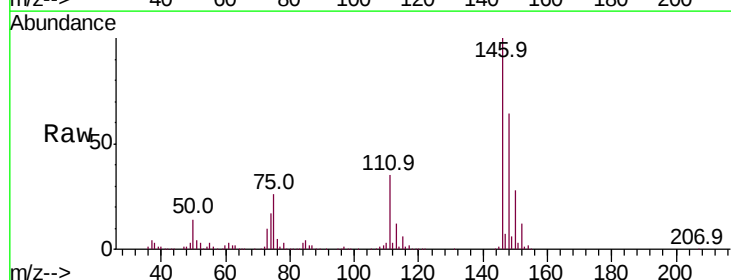
Manual Integrations
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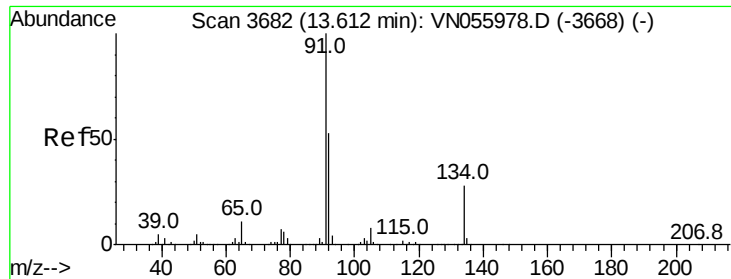
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#88
 1,4-Dichlorobenzene
 Concen: 50.341 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055995.D
 Acq: 5 Jun 2019 8:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.7	18.1	54.4
148	64.3	32.1	96.5





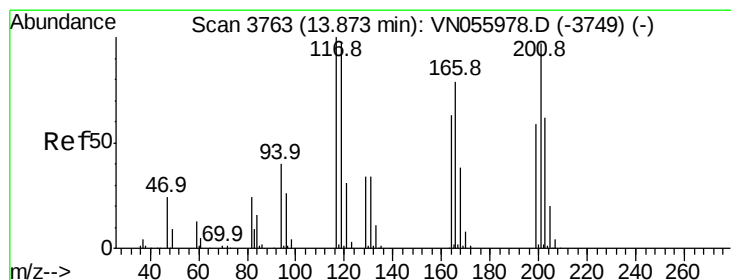
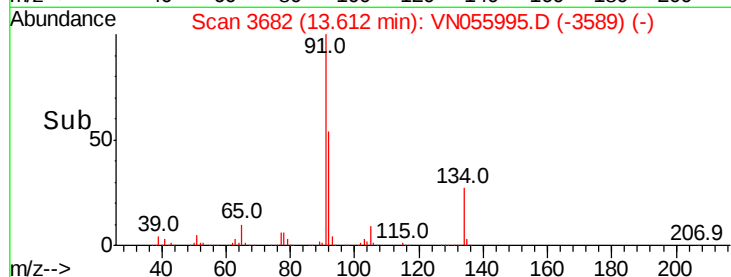
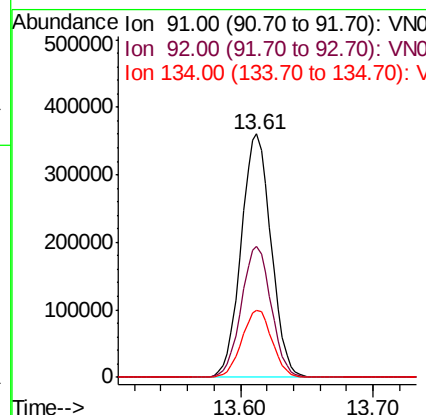
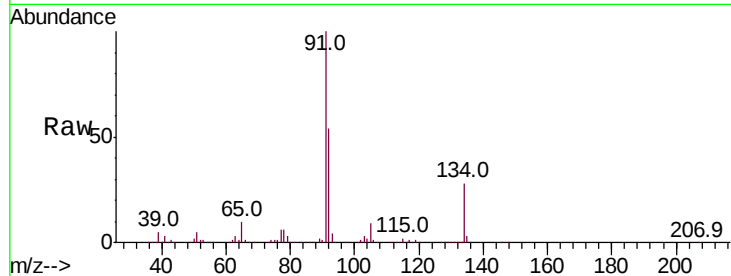
#89
n-Butylbenzene
Concen: 52.392 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.4	79.0
134	27.9	13.9	41.7

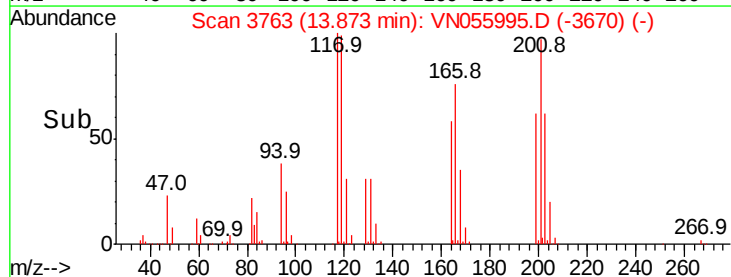
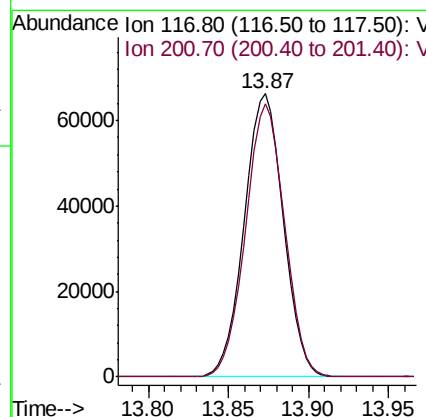
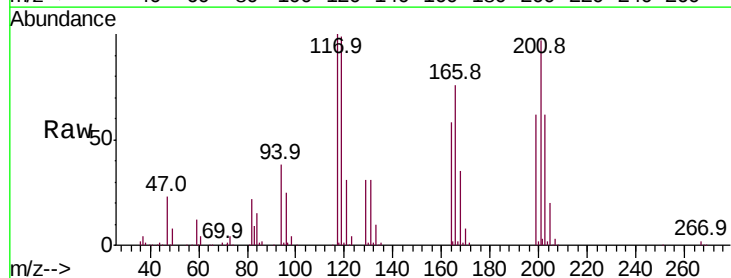
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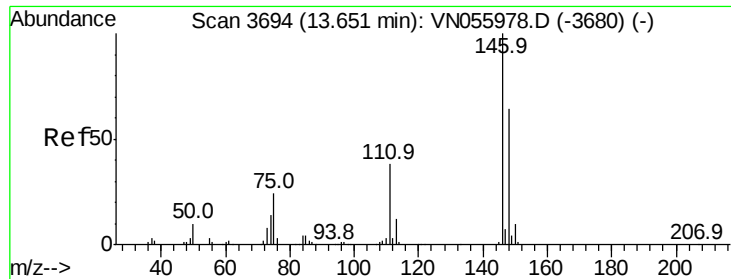
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#90
Hexachloroethane
Concen: 50.446 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.0	50.0	150.0





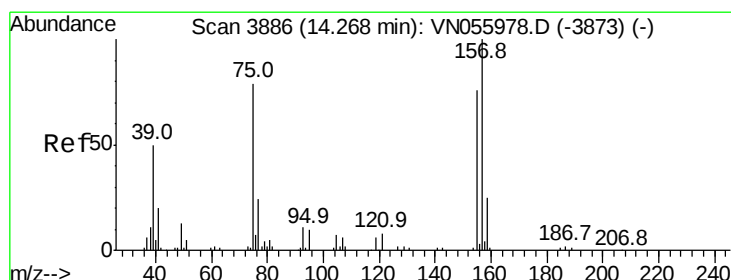
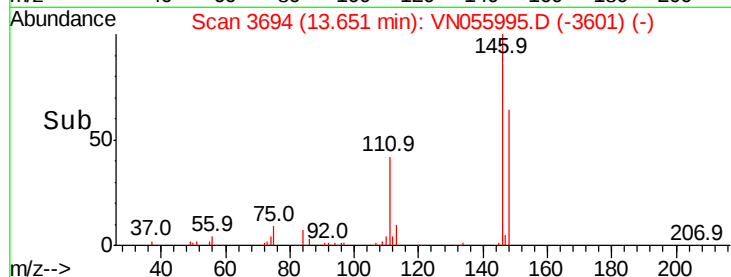
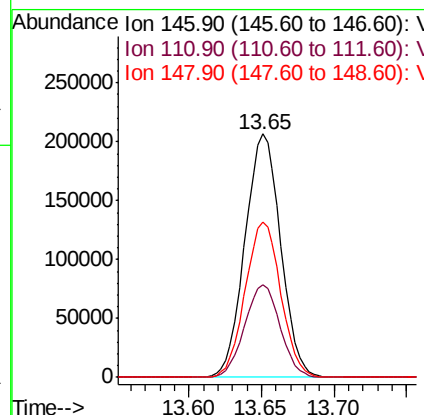
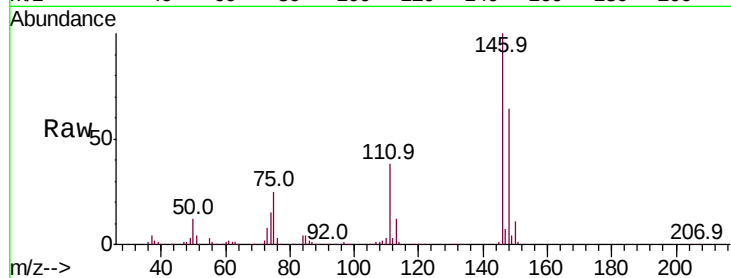
#91
 1,2-Dichlorobenzene
 Concen: 48.818 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055995.D
 Acq: 5 Jun 2019 8:59

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.5
148	63.6	31.9	95.9

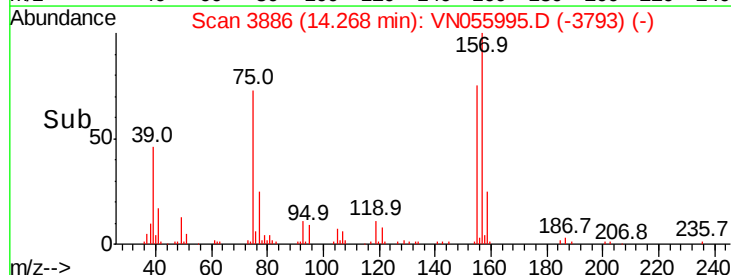
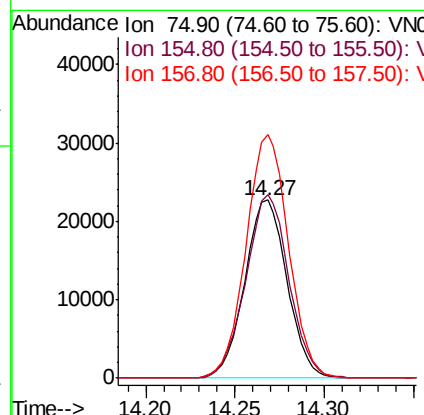
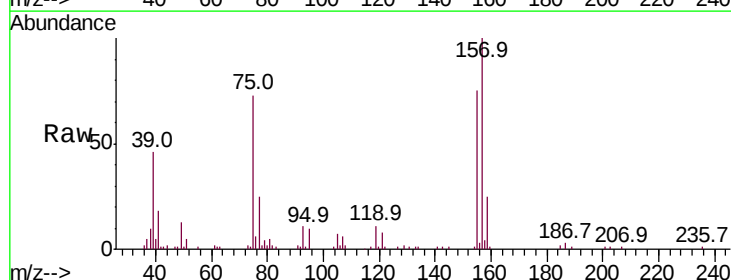
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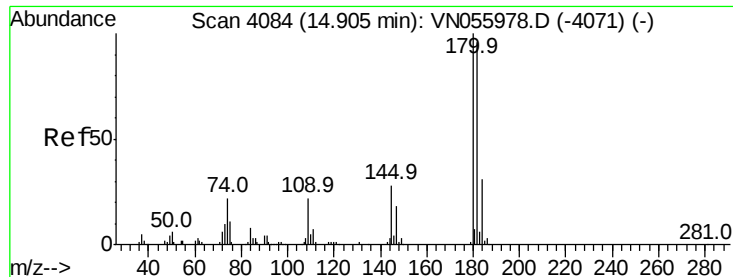
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.210 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055995.D
 Acq: 5 Jun 2019 8:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.9	50.0	150.1
157	137.3	64.8	194.3





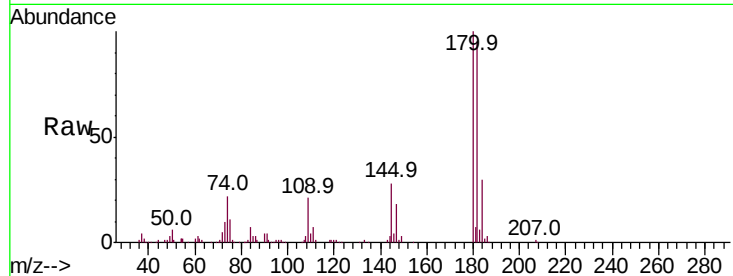
#93
 1,2,4-Trichlorobenzene
 Concen: 46.724 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055995.D
 Acq: 5 Jun 2019 8:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.3	48.3	144.9	
145	28.2	14.0	41.9	

Manual Integrations
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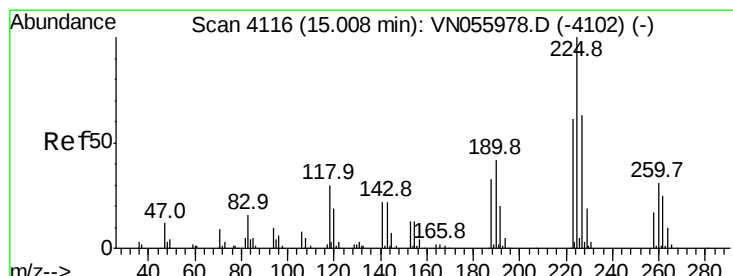
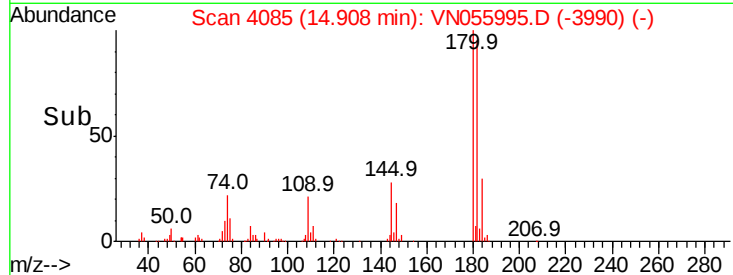
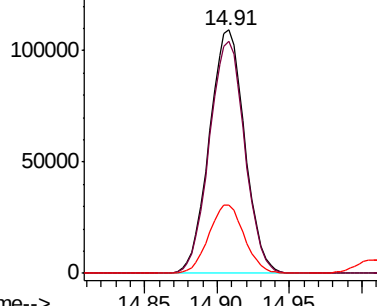


Abundance

Ion 179.80 (179.50 to 180.50): V

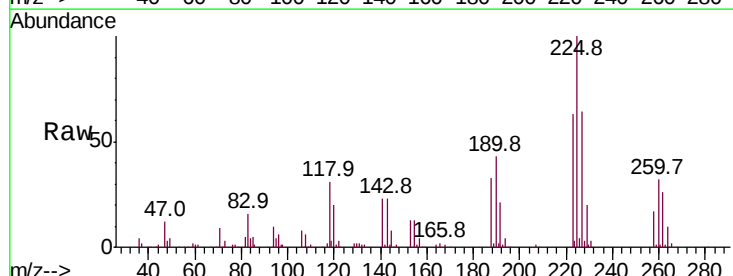
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 53.177 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055995.D
 Acq: 5 Jun 2019 8:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.4	30.9	92.7	
227	63.1	31.6	94.7	

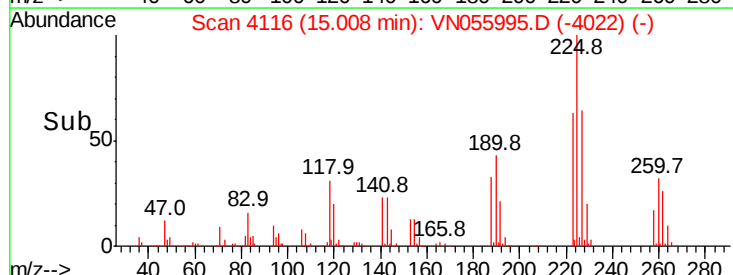
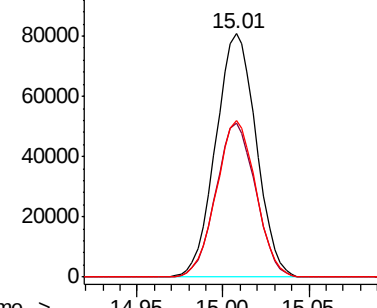


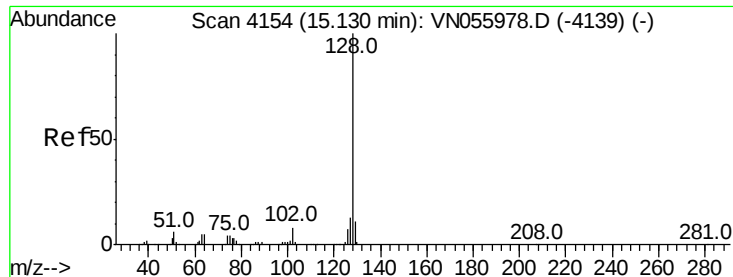
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





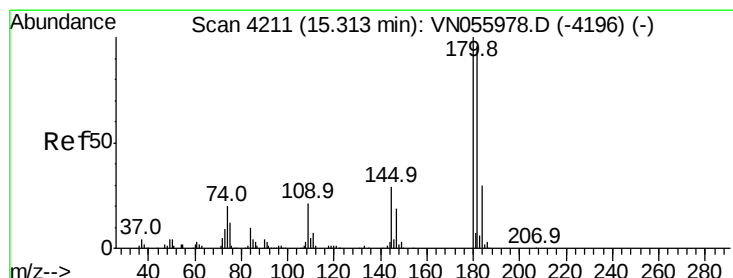
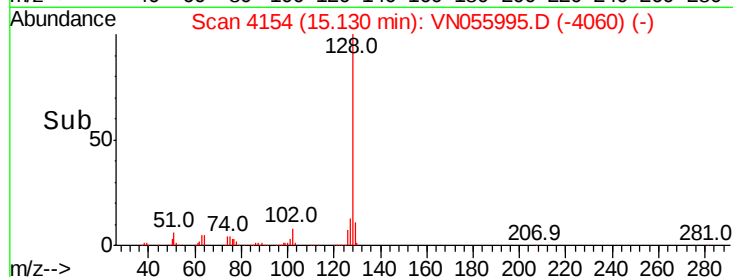
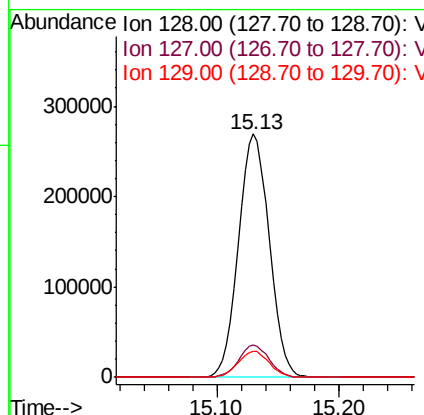
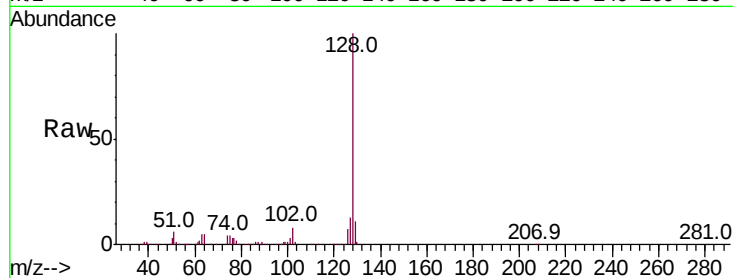
#95
Naphthalene
Concen: 45.640 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	10.9	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 46.902 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055995.D
Acq: 5 Jun 2019 8:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.9	143.7
145	30.1	14.9	44.7

