

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060419\
 Data File : VN055993.D
 Acq On : 4 Jun 2019 16:05
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/5/2019 4:04:09 PM

Quant Time: Jun 05 01:56:39 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	348474	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	515955	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	466874	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	221103	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	170934	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
35) Dibromofluoromethane	7.59	113	158485	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
50) Toluene-d8	10.09	98	612059	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
62) 4-Bromofluorobenzene	12.40	95	216121	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	188505	49.245	ug/l	99
3) Chloromethane	2.06	50	196346	51.978	ug/l	99
4) Vinyl Chloride	2.18	62	196497	51.858	ug/l	99
5) Bromomethane	2.53	94	126108	52.686	ug/l	98
6) Chloroethane	2.68	64	114686	52.203	ug/l	97
7) Trichlorofluoromethane	3.00	101	237466	49.091	ug/l	97
8) Diethyl Ether	3.40	74	99473	50.005	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	148491	50.534	ug/l	99
10) Methyl Iodide	3.94	142	240844	51.577	ug/l	98
11) Tert butyl alcohol	4.81	59	134772	223.827	ug/l	99
12) 1,1-Dichloroethene	3.72	96	151066	51.639	ug/l	94
13) Acrolein	3.60	56	44453	255.981	ug/l	97
14) Allyl chloride	4.31	41	232068	50.238	ug/l	98
15) Acrylonitrile	4.99	53	387038	264.056	ug/l	99
16) Acetone	3.82	43	362322	218.947	ug/l	99
17) Carbon Disulfide	4.04	76	350938	50.102	ug/l	99
18) Methyl Acetate	4.33	43	164445	50.596	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	479547	51.427	ug/l	100
20) Methylene Chloride	4.54	84	169494	49.714	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	159617	50.924	ug/l	96
22) Diisopropyl ether	5.95	45	479425	50.207	ug/l	98
23) Vinyl Acetate	5.89	43	1979904	263.294	ug/l	99
24) 1,1-Dichloroethane	5.84	63	276830	50.258	ug/l	99
25) 2-Butanone	6.84	43	527443	252.265	ug/l	99
26) 2,2-Dichloropropane	6.82	77	209546	48.753	ug/l	97
27) cis-1,2-Dichloroethene	6.82	96	186841	50.711	ug/l	96
28) Bromochloromethane	7.19	49	133087	51.093	ug/l	97
29) Tetrahydrofuran	7.21	42	332216	257.048	ug/l	98
30) Chloroform	7.37	83	275772	49.769	ug/l	100
31) Cyclohexane	7.65	56	262079	47.734	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	233114	50.380	ug/l	99
36) 1,1-Dichloropropene	7.79	75	213811	48.194	ug/l	99
37) Ethyl Acetate	6.93	43	203609	51.580	ug/l	99
38) Carbon Tetrachloride	7.77	117	196447	48.029	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	269397	48.746	ug/l	99
40) Benzene	8.04	78	667577	49.543	ug/l	100
41) Methacrylonitrile	7.17	41	99266	54.656	ug/l	98
42) 1,2-Dichloroethane	8.12	62	203732	47.004	ug/l	98
43) Isopropyl Acetate	8.17	43	327526	51.203	ug/l	99
44) Trichloroethene	8.83	130	188781	48.757	ug/l	99
45) 1,2-Dichloropropane	9.12	63	170544	49.413	ug/l	100
46) Dibromomethane	9.21	93	113360	50.226	ug/l	100
47) Bromodichloromethane	9.40	83	203577	49.767	ug/l	98
48) Methyl methacrylate	9.20	41	155714	49.758	ug/l	95
49) 1,4-Dioxane	9.20	88	63469	939.440	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1014792	253.689	ug/l	98
52) Toluene	10.15	92	420594	50.162	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	223892	46.843	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	257709	52.413	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	167589	50.458	ug/l	98
56) Ethyl methacrylate	10.43	69	258525	53.354	ug/l	97
57) 1,3-Dichloropropane	10.71	76	273275	50.613	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	470104	245.015	ug/l	99
59) 2-Hexanone	10.75	43	734619	253.386	ug/l	98
60) Dibromochloromethane	10.90	129	167703	45.988	ug/l	100
61) 1,2-Dibromoethane	11.00	107	175217	51.604	ug/l	98
64) Tetrachloroethene	10.63	164	188939	46.752	ug/l	97
65) Chlorobenzene	11.43	112	455391	49.010	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	162281	50.581	ug/l	100
67) Ethyl Benzene	11.51	91	802152	49.648	ug/l	99
68) m/p-Xylenes	11.62	106	616565	99.896	ug/l	98
69) o-Xylene	11.95	106	300356	49.472	ug/l	99
70) Styrene	11.96	104	506099	52.465	ug/l	99
71) Bromoform	12.13	173	122348	45.673	ug/l #	99
73) Isopropylbenzene	12.25	105	795116	50.474	ug/l	99
74) N-amyl acetate	12.07	43	286761	48.654	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	231932	45.187	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	187024m	45.970	ug/l	
77) Bromobenzene	12.53	156	263348	55.632	ug/l	76
78) n-propylbenzene	12.59	91	869399	46.479	ug/l	99
79) 2-Chlorotoluene	12.67	91	516266	49.748	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	668890	44.994	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	61199	50.095	ug/l	96
82) 4-Chlorotoluene	12.77	91	511969	46.784	ug/l	99
83) tert-Butylbenzene	12.99	119	578043	50.121	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	656506	46.569	ug/l	99
85) sec-Butylbenzene	13.17	105	754376	45.540	ug/l	100
86) p-Isopropyltoluene	13.29	119	700317	47.238	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	354773	48.423	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	343071	48.678	ug/l	99
89) n-Butylbenzene	13.61	91	571106	52.002	ug/l	99
90) Hexachloroethane	13.87	117	101920	45.586	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	350283	47.355	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	37651	51.286	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	201654	49.517	ug/l	98
94) Hexachlorobutadiene	15.01	225	123600	48.663	ug/l	99
95) Naphthalene	15.13	128	552350	52.058	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	206381	49.700	ug/l	99

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

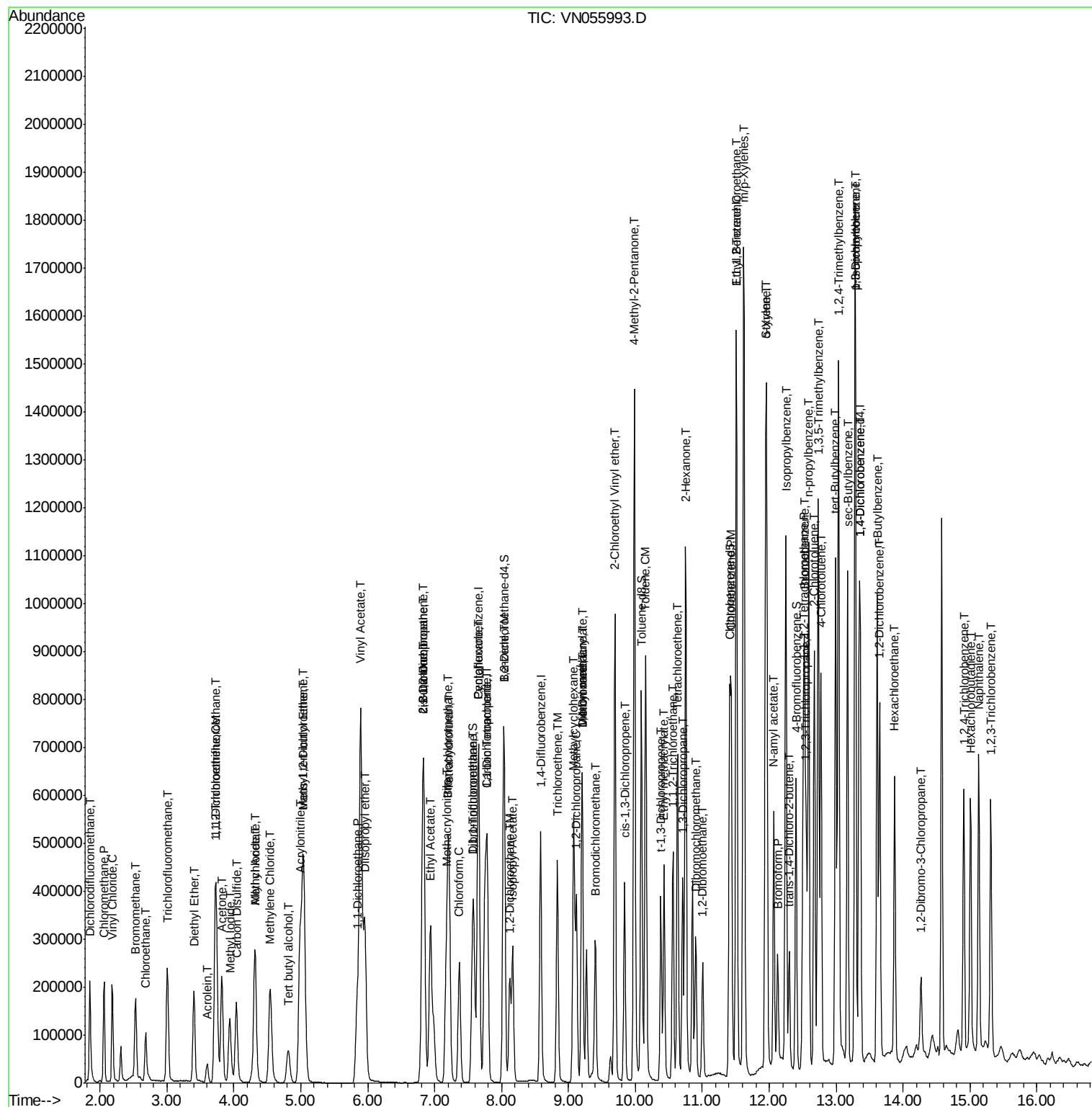
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060419\
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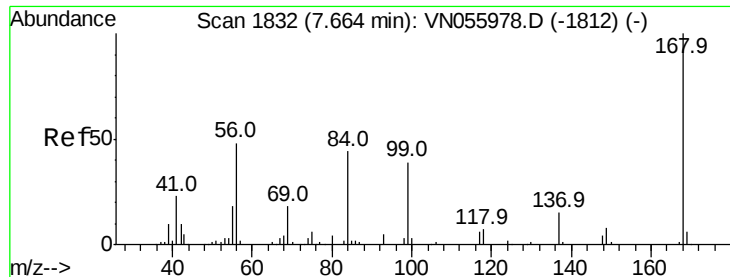
Instrument :
 MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 348474

Ion Ratio Lower Upper

168 100

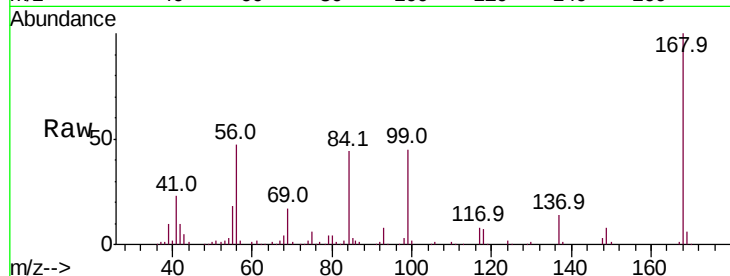
99 44.7 37.2 55.8

Manual Integrations

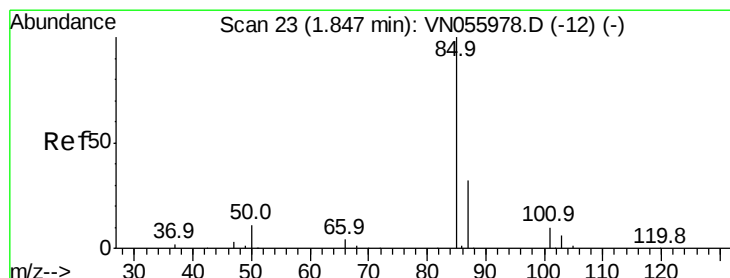
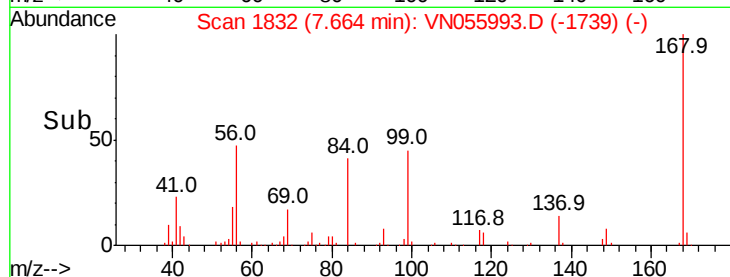
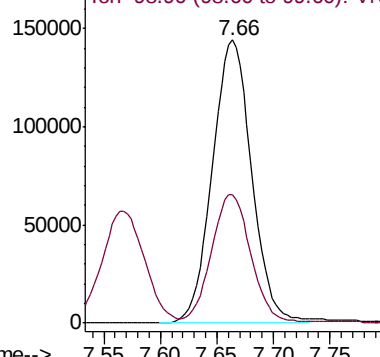
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6/5/2019 4:04:09 PM



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



#2

Dichlorodifluoromethane

Concen: 49.245 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055993.D

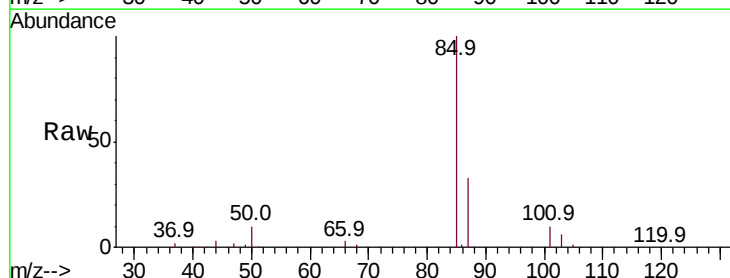
Acq: 4 Jun 2019 16:05

Tgt Ion: 85 Resp: 188505

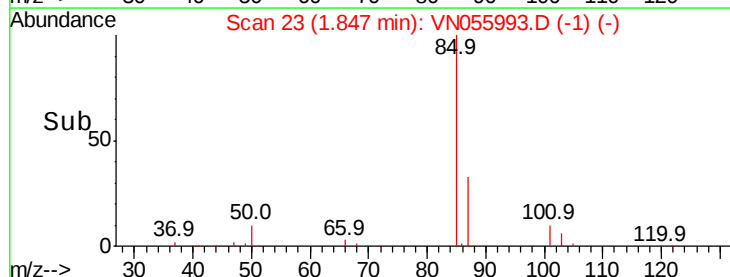
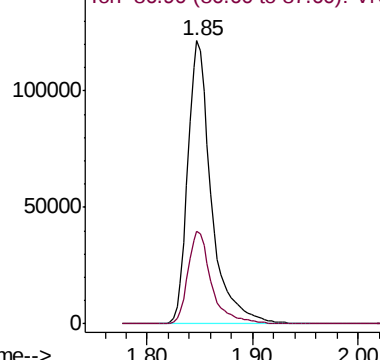
Ion Ratio Lower Upper

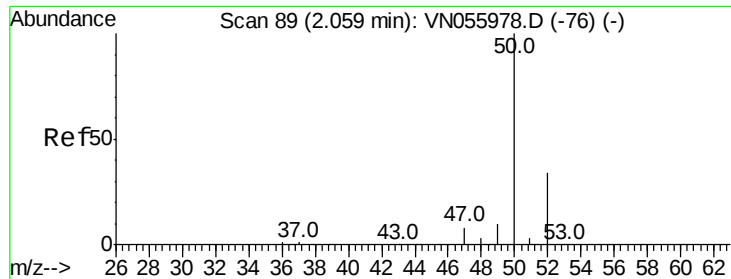
85 100

87 32.9 16.1 48.3



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





#3

Chloromethane

Concen: 51.978 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 196346

Ion Ratio Lower Upper

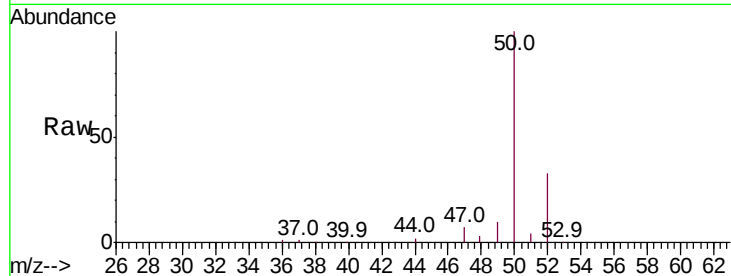
50 100

52 32.8 26.6 40.0

Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

150000

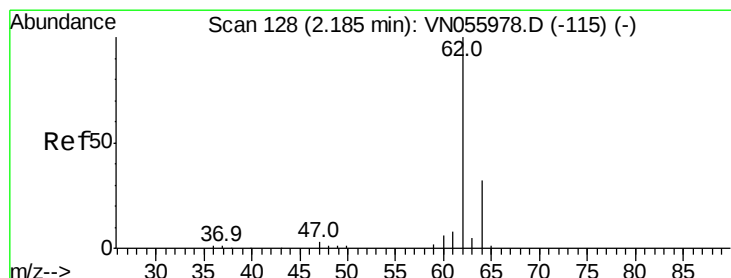
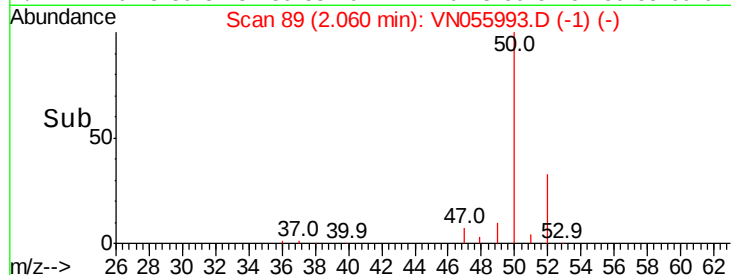
2.06

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 51.858 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055993.D

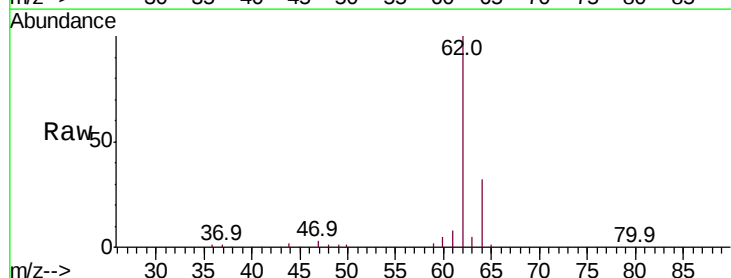
Acq: 4 Jun 2019 16:05

Tgt Ion: 62 Resp: 196497

Ion Ratio Lower Upper

62 100

64 31.6 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

150000

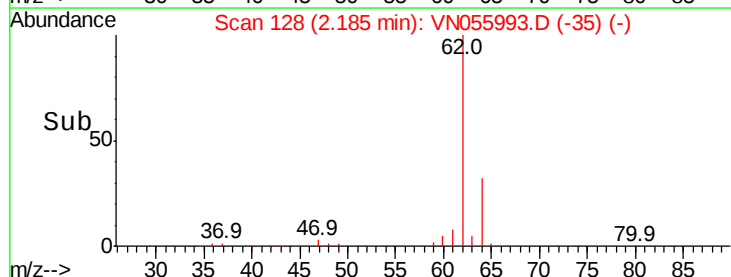
2.18

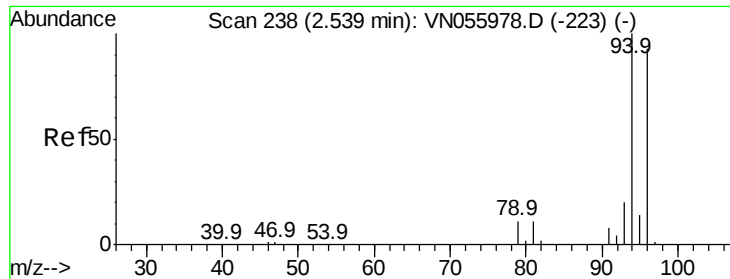
100000

50000

0

Time-->





#5

Bromomethane

Concen: 52.686 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.01 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 126108

Ion Ratio Lower Upper

94 100

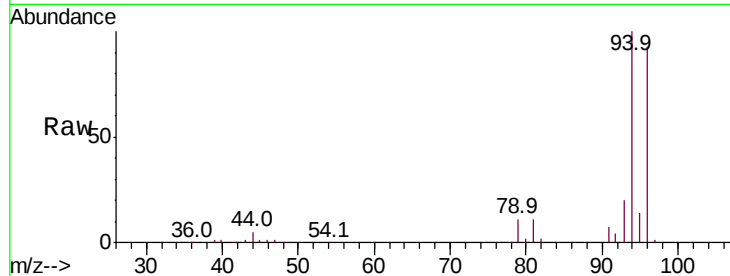
96 92.9 75.5 113.3

Manual Integrations

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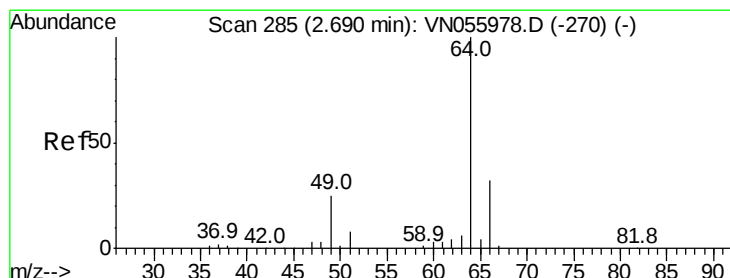
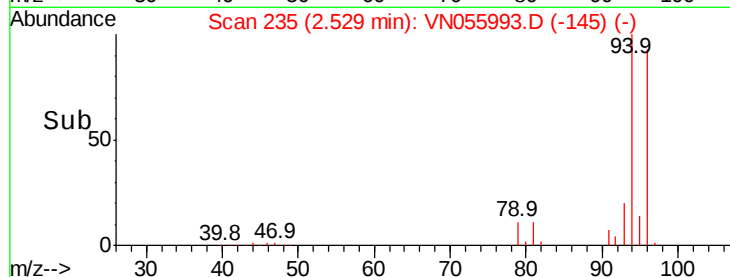
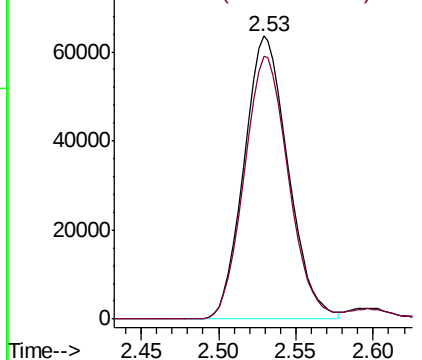
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 52.203 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.01 min

Lab File: VN055993.D

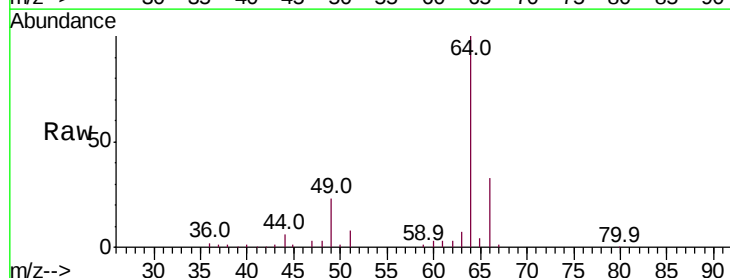
Acq: 4 Jun 2019 16:05

Tgt Ion: 64 Resp: 114686

Ion Ratio Lower Upper

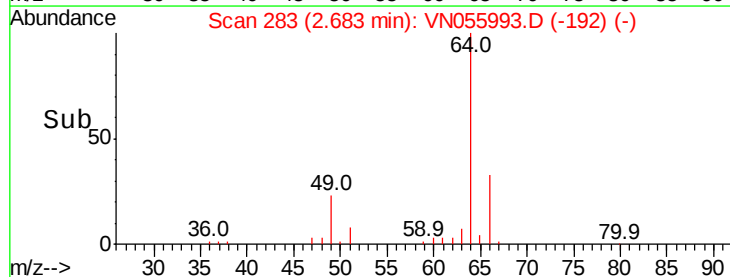
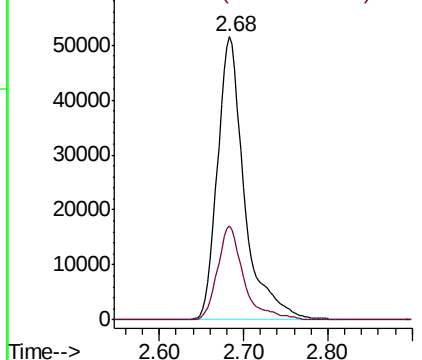
64 100

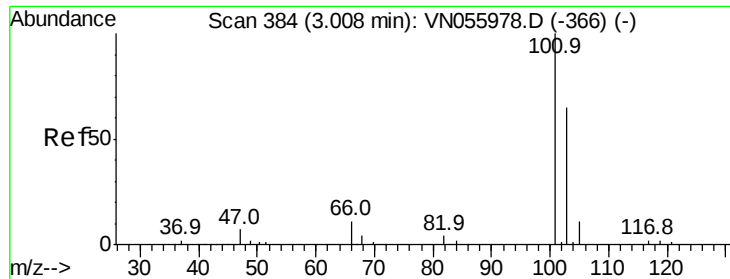
66 33.2 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

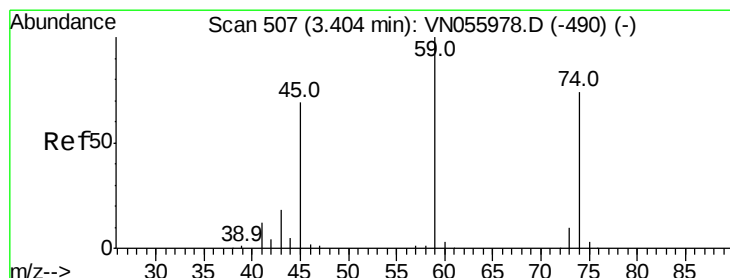
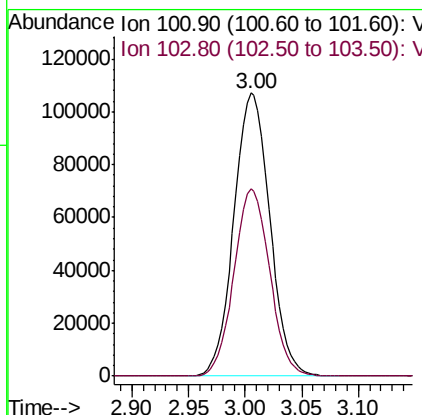
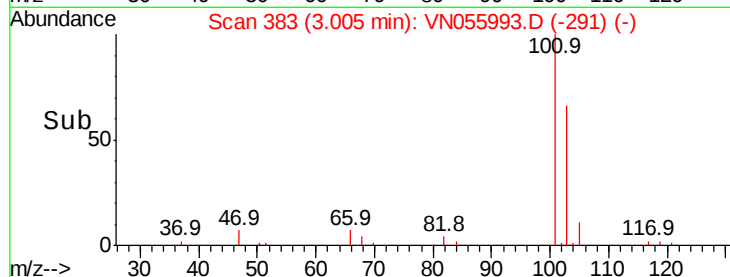
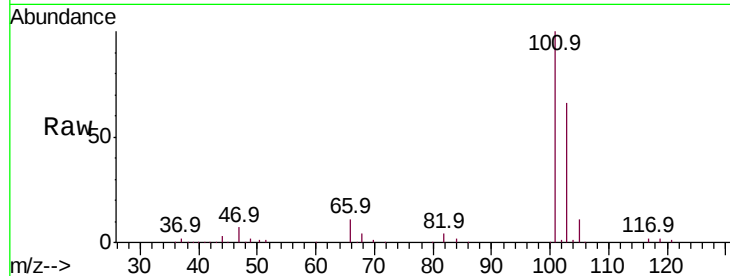
Trichlorofluoromethane
Concen: 49.091 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Instrument :
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ClientSampleId :
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Tot Ion:101 Resp: 237466
Ion Ratio Lower Upper
101 100
103 66.3 51.2 76.8

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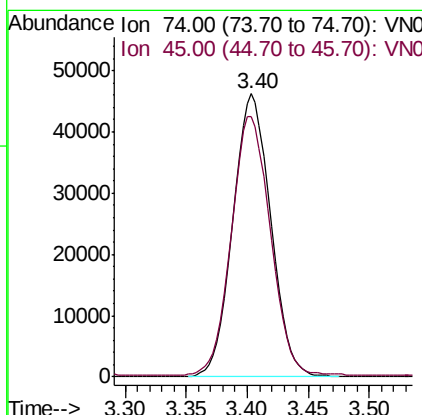
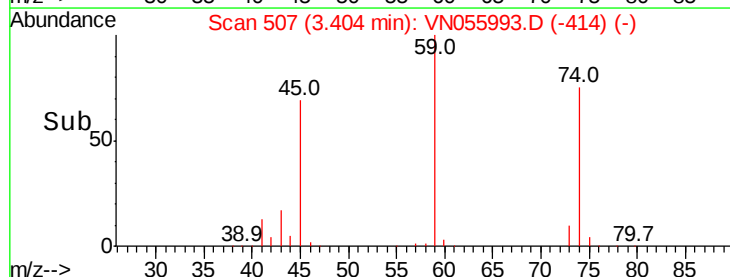
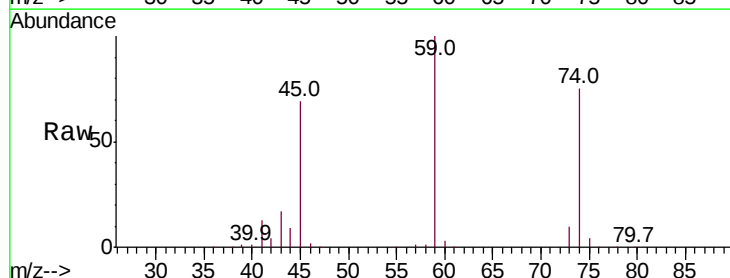
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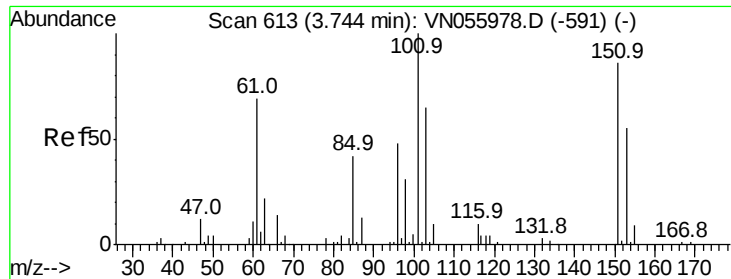


#8

Diethyl Ether
Concen: 50.005 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Tgt Ion: 74 Resp: 99473
Ion Ratio Lower Upper
74 100
45 94.4 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.534 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

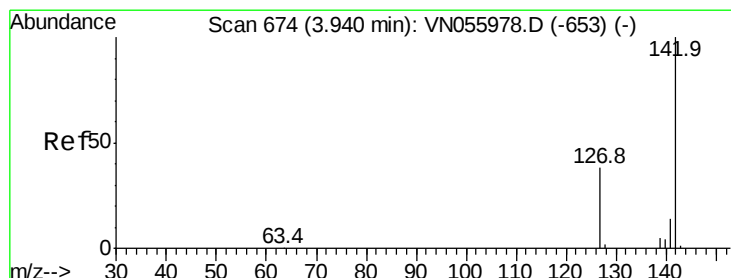
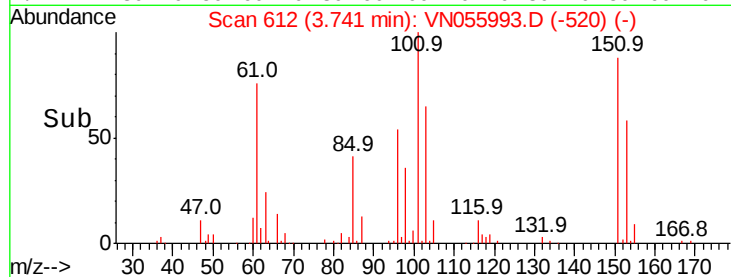
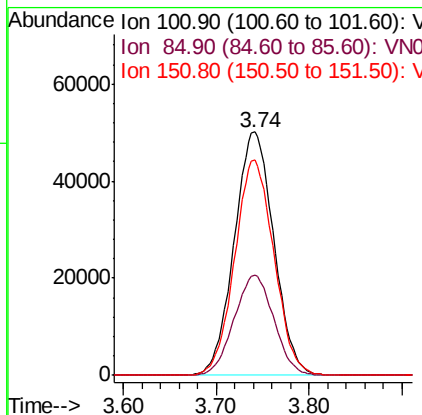
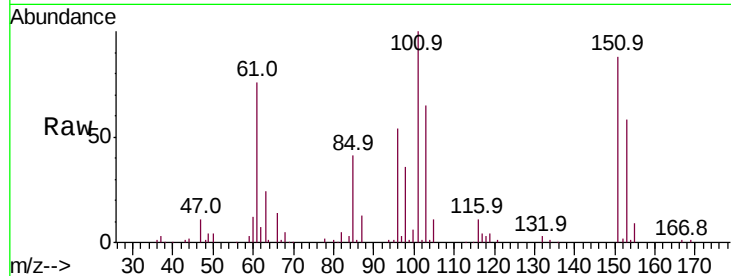
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	148491
Ion Ratio	Lower	Upper	
101	100		
85	41.4	33.4	50.2
151	87.8	69.4	104.2

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#10

Methyl Iodide

Concen: 51.577 ug/l

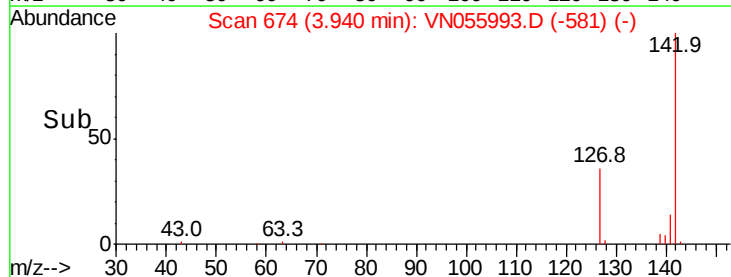
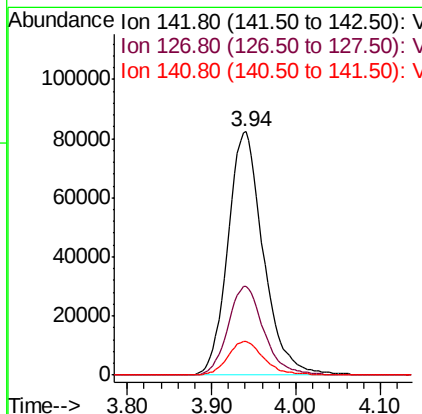
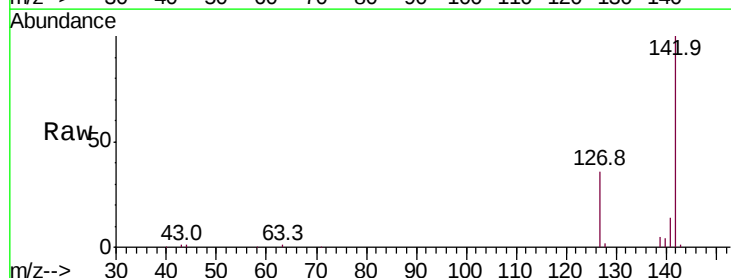
RT: 3.94 min Scan# 674

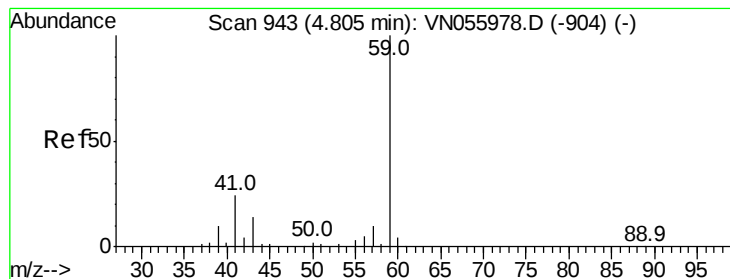
Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Tgt Ion:	142	Resp:	240844
Ion Ratio	Lower	Upper	
142	100		
127	36.9	31.0	46.4
141	14.0	11.4	17.0





#11

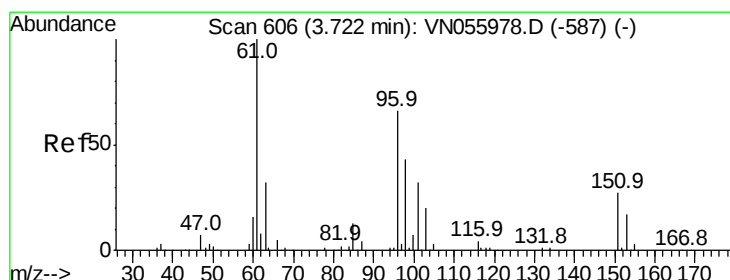
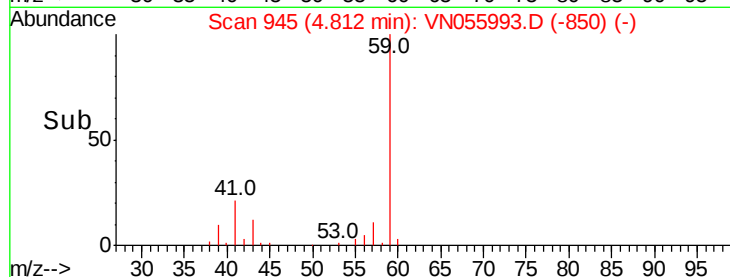
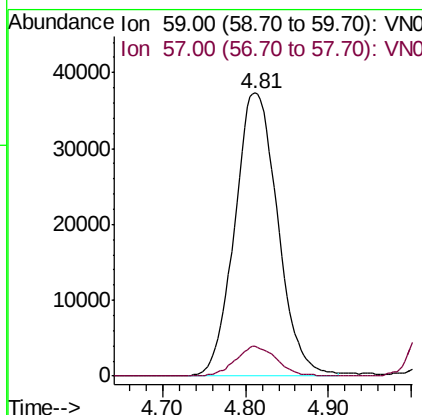
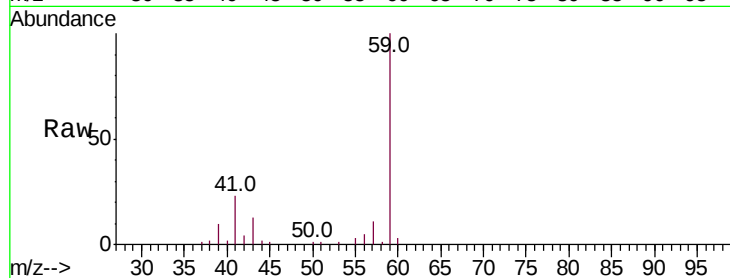
Tert butyl alcohol
Concen: 223.827 ug/l
RT: 4.81 min Scan# 945
Delta R.T. 0.01 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	134772
Ion Ratio	100	Lower	Upper
57	10.0	7.8	11.6

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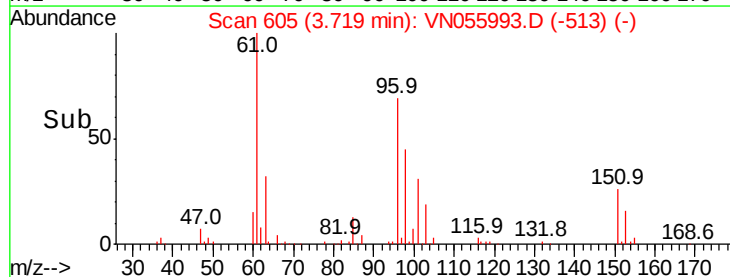
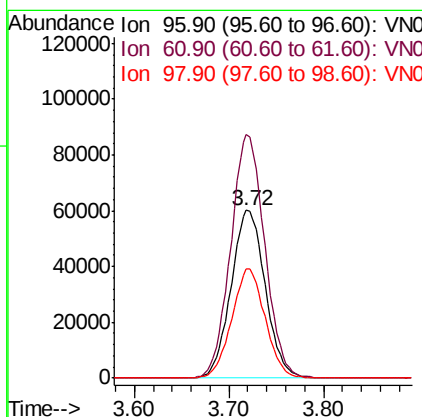
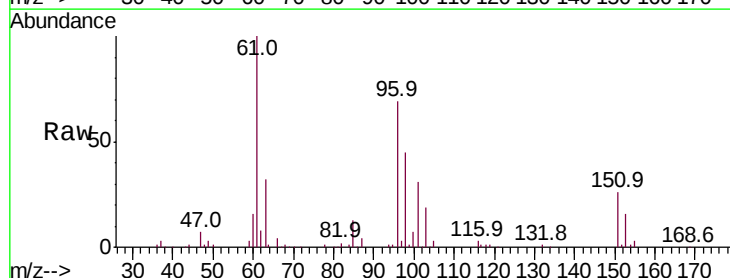
MMDadoda
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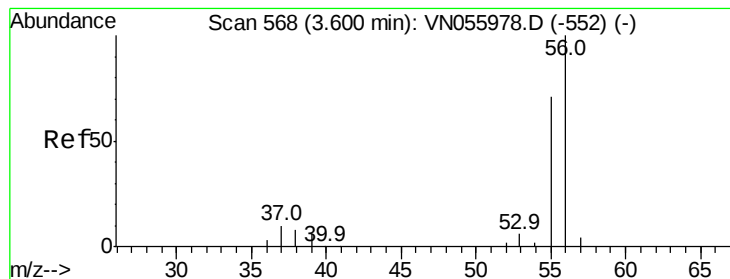


#12

1,1-Dichloroethene
Concen: 51.639 ug/l
RT: 3.72 min Scan# 605
Delta R.T. -0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Tgt Ion	96	Resp	151066
Ion Ratio	100	Lower	Upper
61	145.2	123.2	184.8
98	64.8	50.4	75.6





#13

Acrolein

Concen: 255.981 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 44453

Ion Ratio Lower Upper

56 100

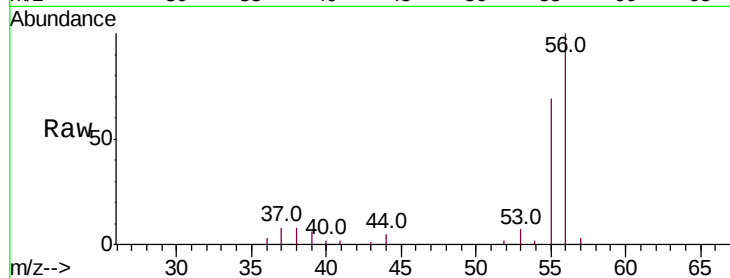
55 71.4 55.4 83.2

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN055978.D (-552) (-)

Ion 55.00 (54.70 to 55.70): VN055978.D (-552) (-)

20000

15000

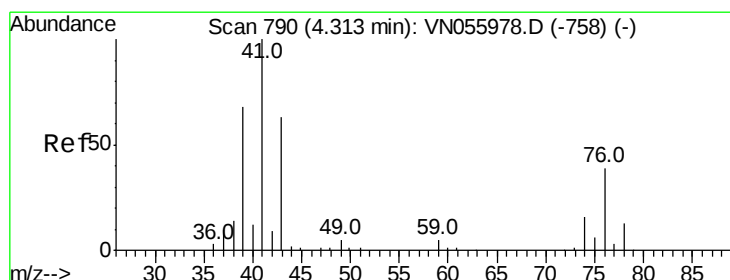
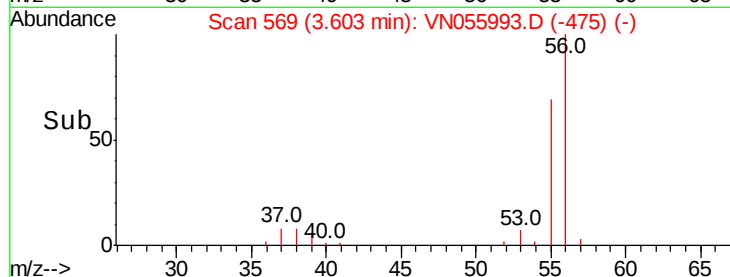
10000

5000

0

Time-->

3.50 3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 50.238 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

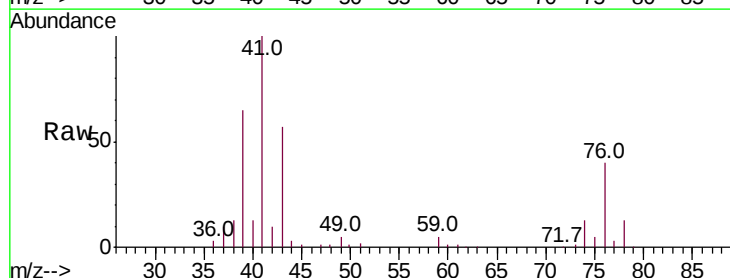
Tgt Ion: 41 Resp: 232068

Ion Ratio Lower Upper

41 100

39 60.9 50.0 75.0

76 35.9 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VN055978.D (-758) (-)

Ion 39.00 (38.70 to 39.70): VN055978.D (-758) (-)

Ion 75.90 (75.60 to 76.60): VN055978.D (-758) (-)

100000

80000

60000

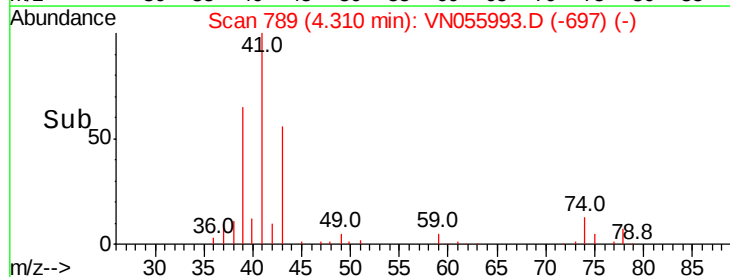
40000

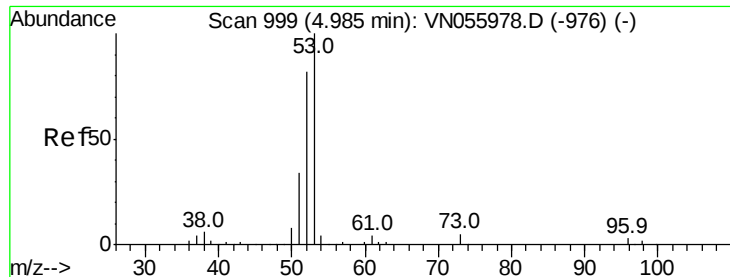
20000

0

Time-->

4.20 4.30 4.40





#15

Acrylonitrile

Concen: 264.056 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

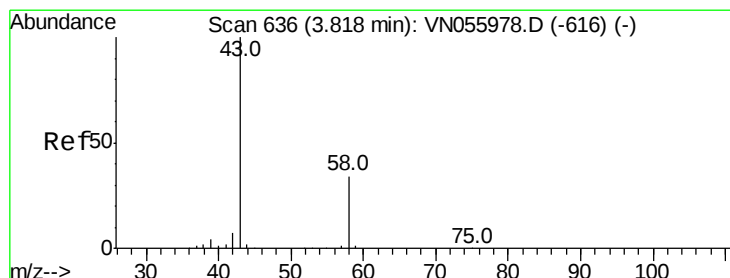
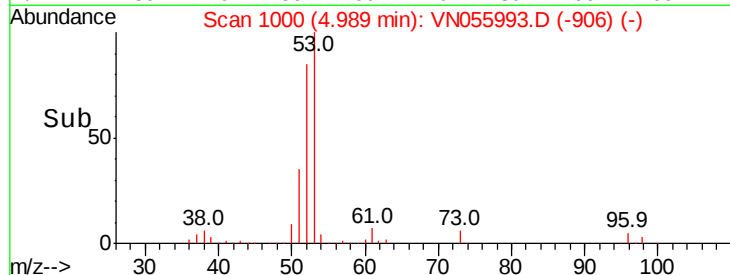
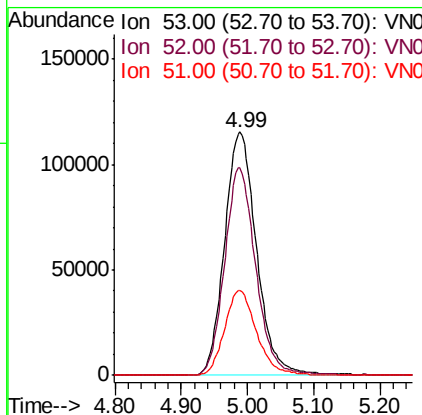
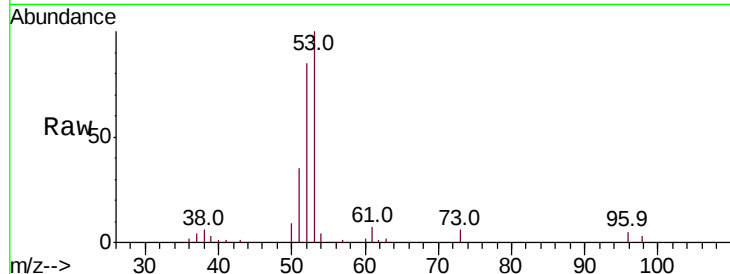
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	387038
Ion	Ratio	Lower	Upper
53	100		
52	83.2	65.8	98.8
51	35.0	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 218.947 ug/l

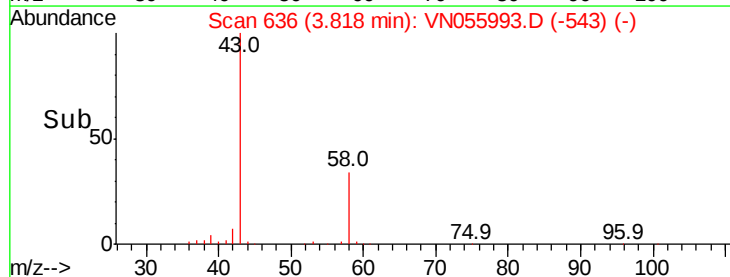
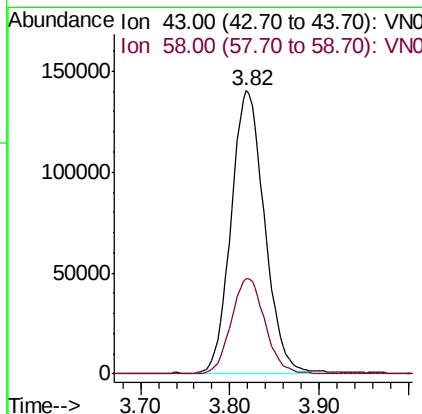
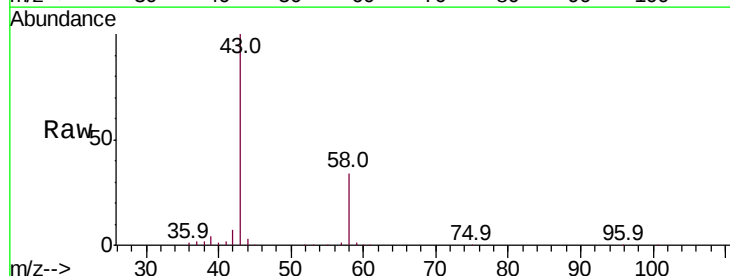
RT: 3.82 min Scan# 636

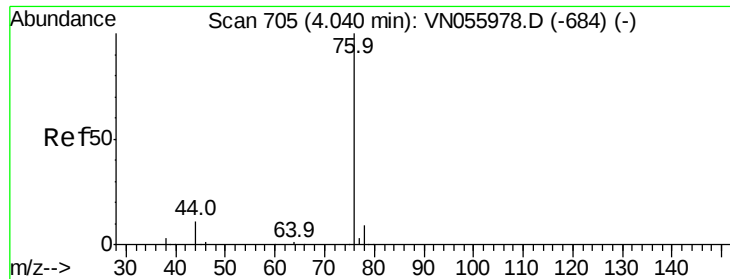
Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Tgt Ion:	43	Resp:	362322
Ion	Ratio	Lower	Upper
43	100		
58	33.8	26.6	39.8





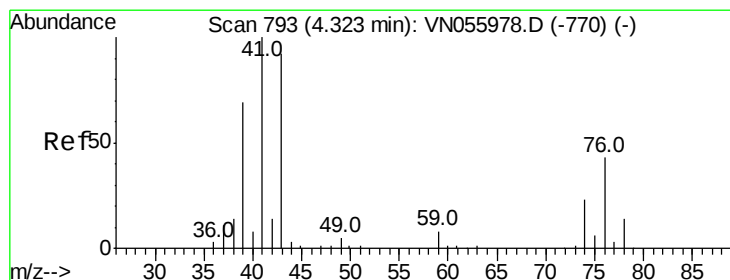
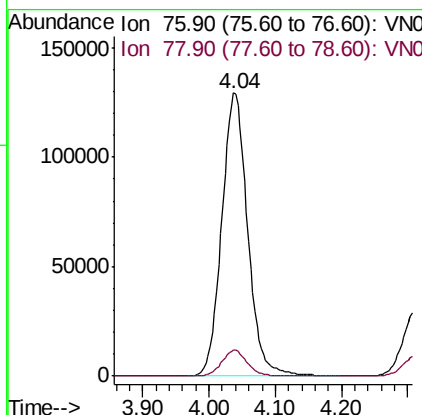
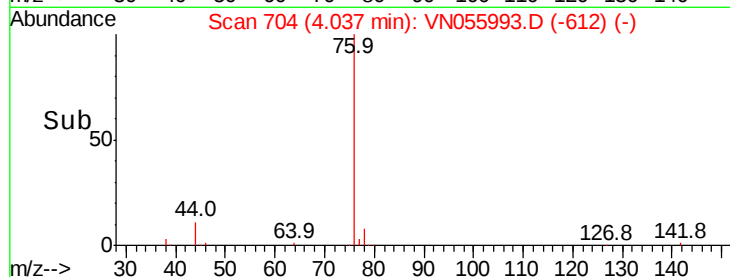
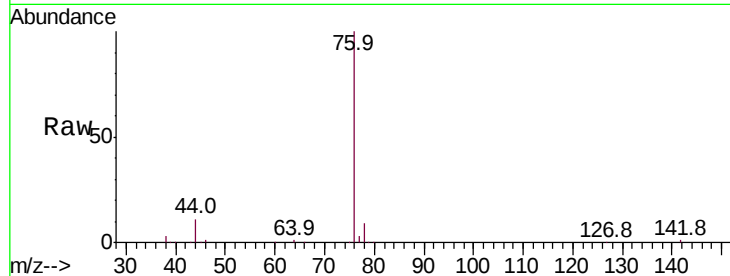
#17
Carbon Disulfide
Concen: 50.102 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 350938
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2

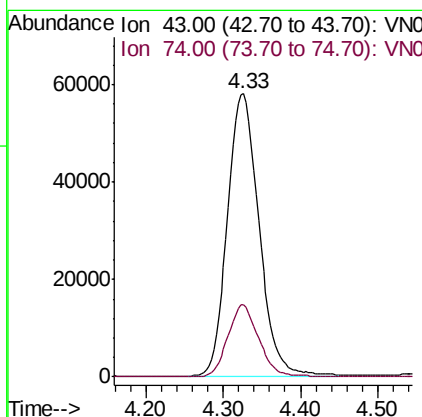
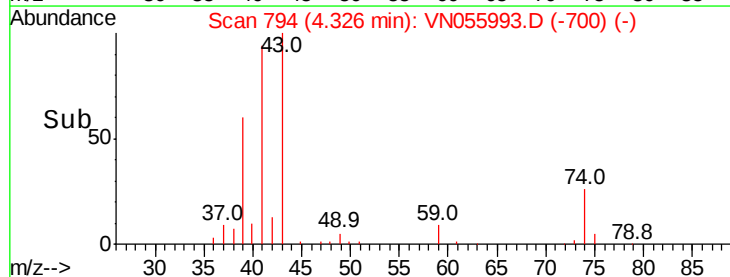
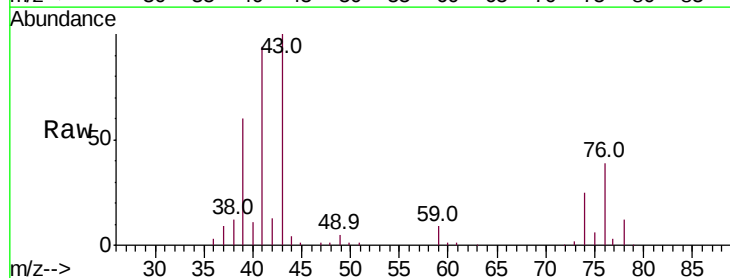
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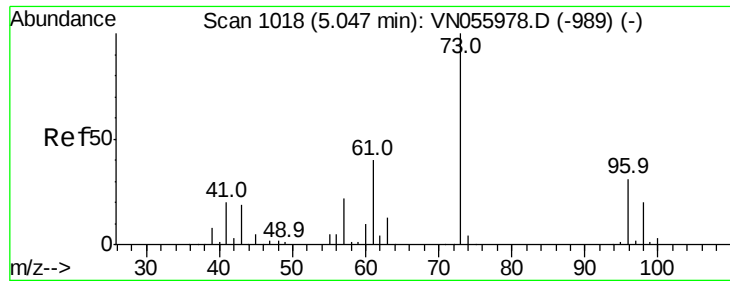
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#18
Methyl Acetate
Concen: 50.596 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Tgt Ion: 43 Resp: 164445
Ion Ratio Lower Upper
43 100
74 24.7 19.3 28.9





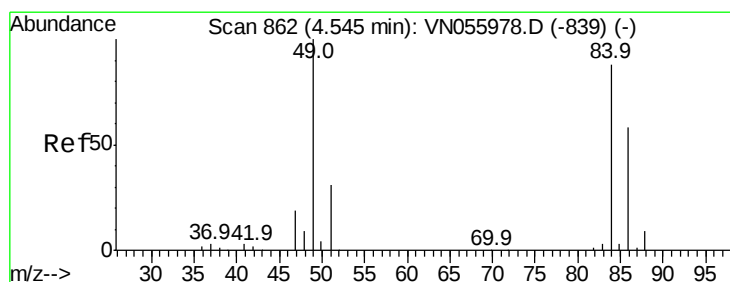
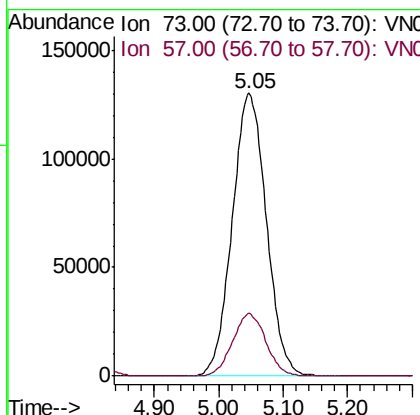
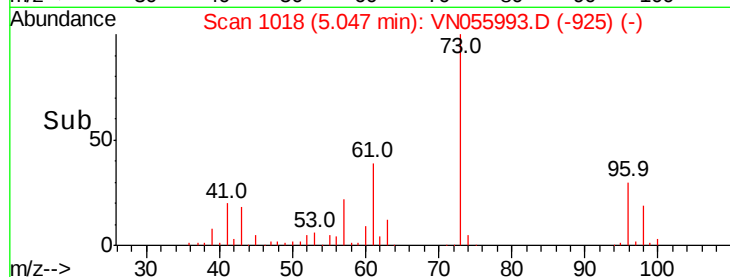
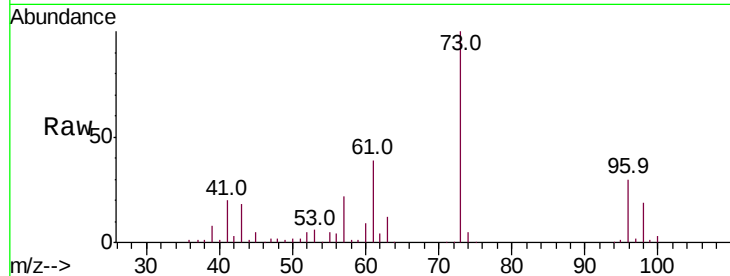
#19
Methyl tert-butyl Ether
Concen: 51.427 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 479547
Ion Ratio Lower Upper
73 100
57 22.2 17.8 26.8

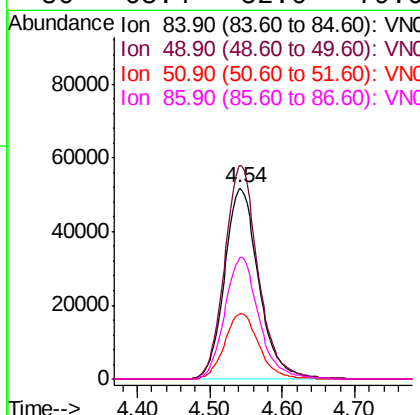
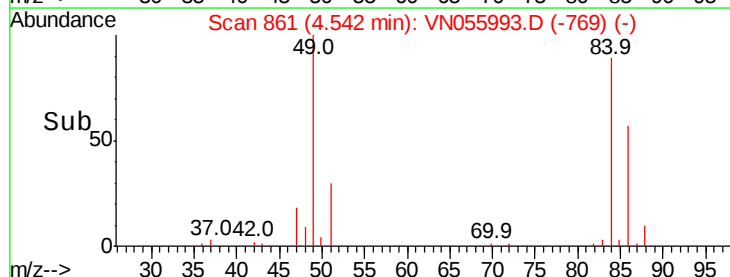
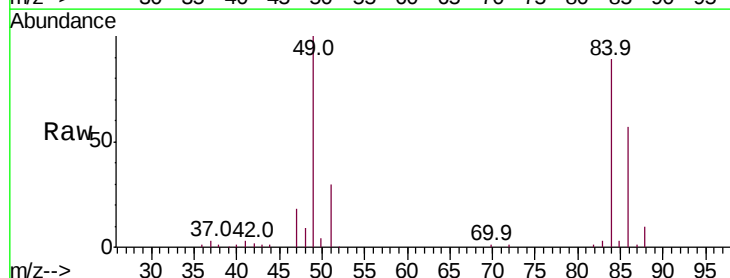
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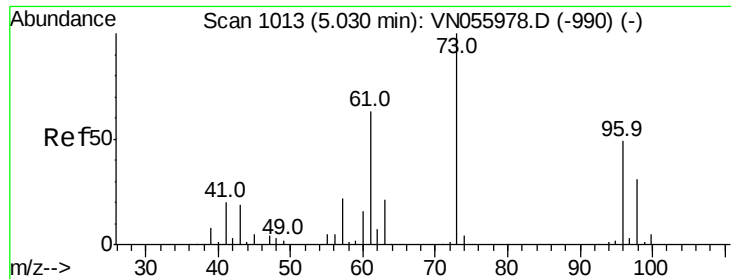
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#20
Methylene Chloride
Concen: 49.714 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Tgt Ion: 84 Resp: 169494
Ion Ratio Lower Upper
84 100
49 111.9 93.5 140.3
51 34.1 28.6 43.0
86 63.4 52.6 79.0





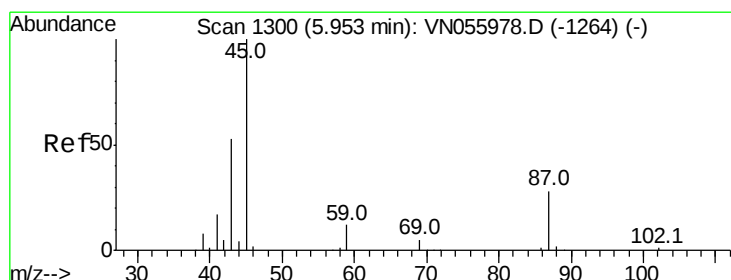
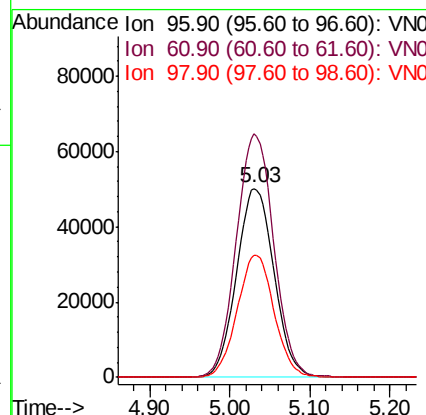
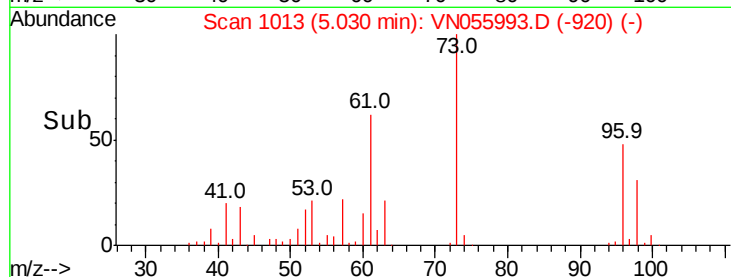
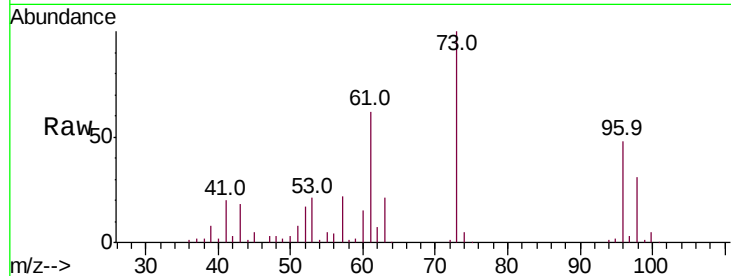
#21
trans-1,2-Dichloroethene
Concen: 50.924 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.0	107.8	161.8
98	64.8	49.8	74.8

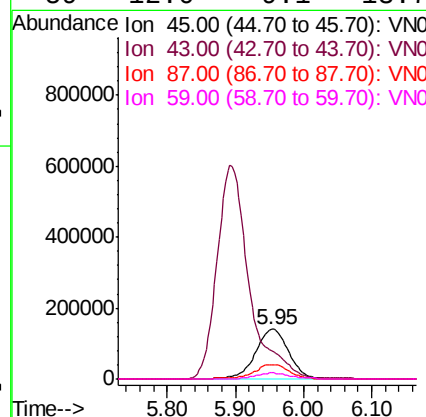
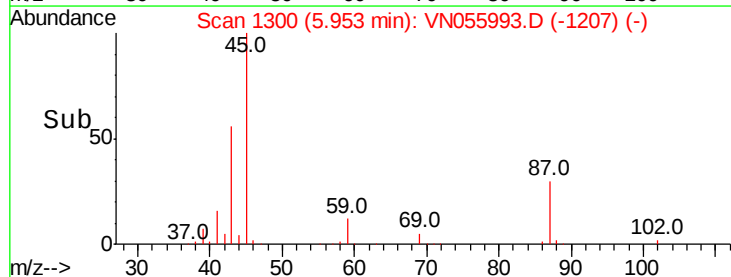
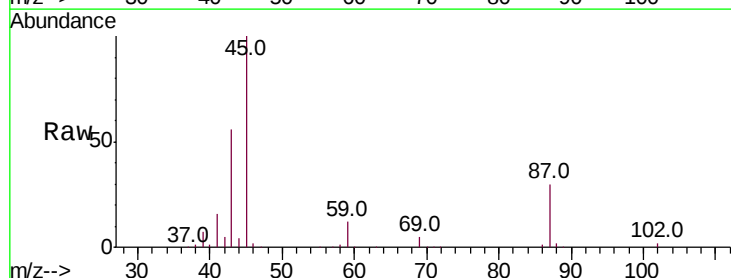
Manual Integrations
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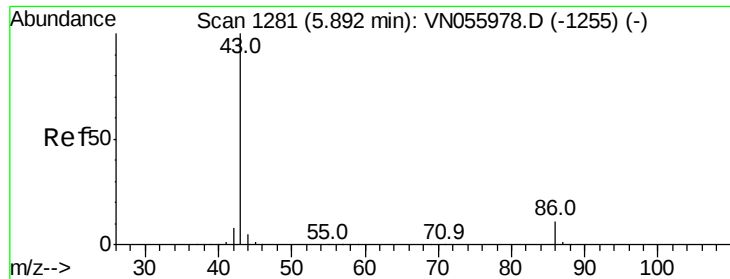
MMDadoda
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#22
Diisopropyl ether
Concen: 50.207 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.5	45.0	67.6
87	29.3	22.2	33.4
59	12.0	9.1	13.7





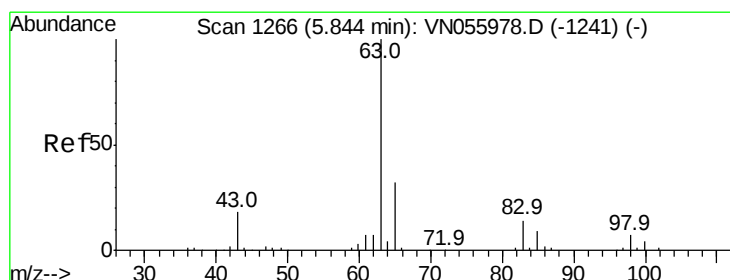
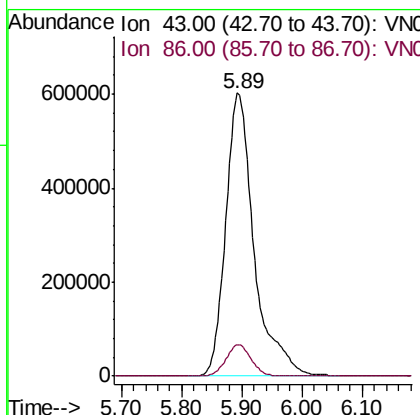
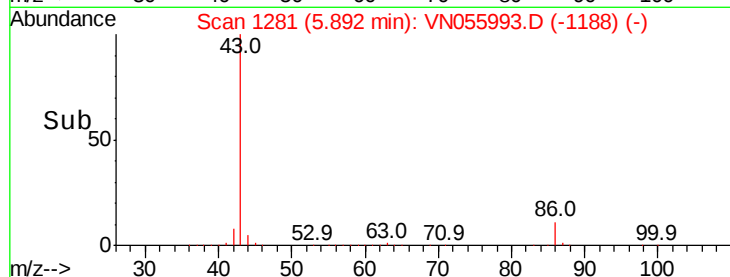
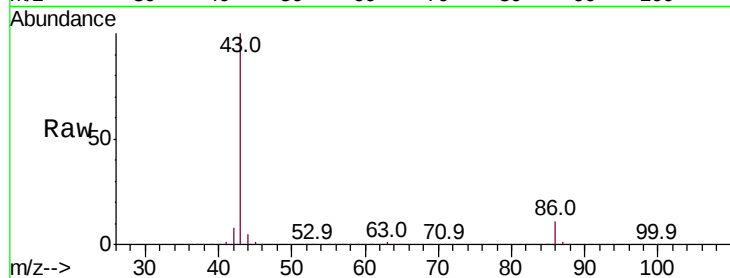
#23
 Vinyl Acetate
 Concen: 263.294 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. 0.00 min
 Lab File: VN055993.D
 Acq: 4 Jun 2019 16:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1979904
 Ion Ratio Lower Upper
 43 100
 86 11.1 8.6 13.0

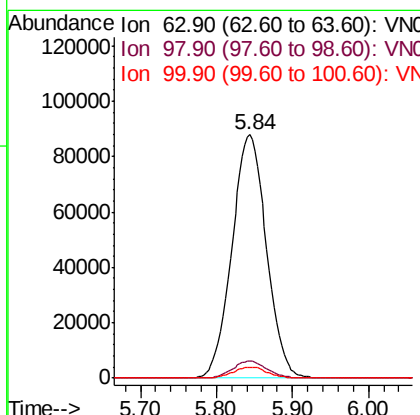
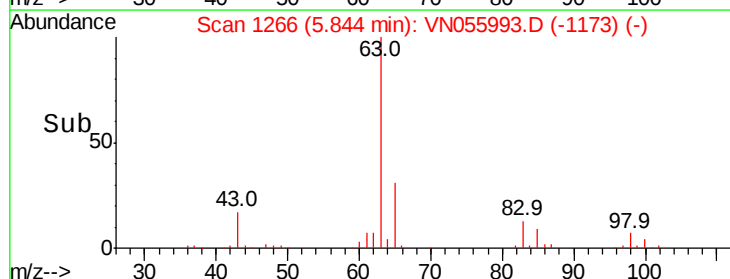
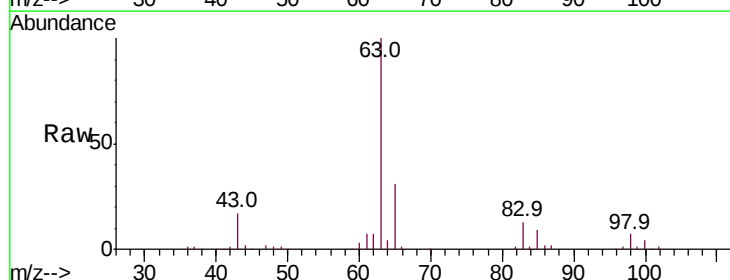
Manual Integrations
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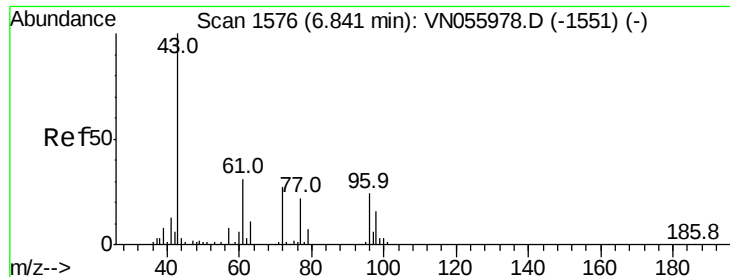
MMDadoda
 6/5/2019 4:04:09 PM



#24
 1,1-Dichloroethane
 Concen: 50.258 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN055993.D
 Acq: 4 Jun 2019 16:05

Tgt Ion: 63 Resp: 276830
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.4 10.1
 100 4.3 2.2 6.6





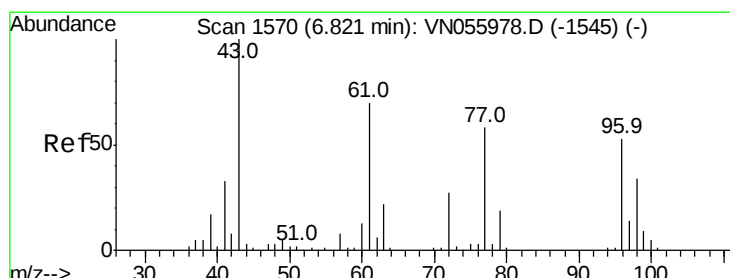
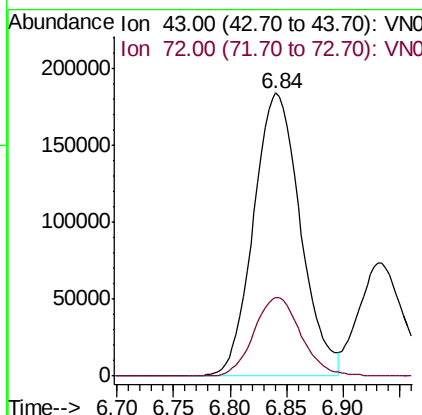
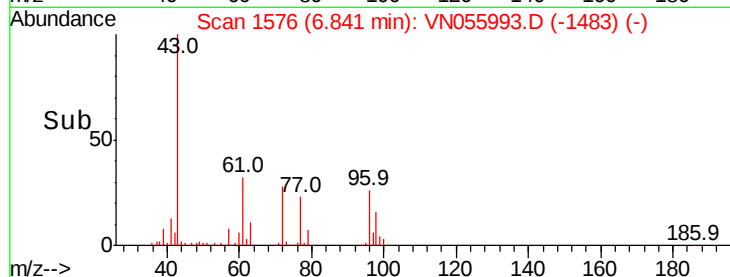
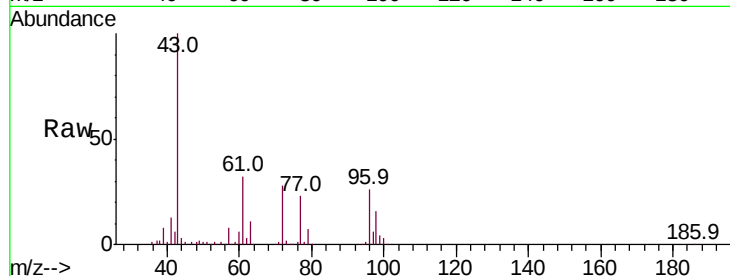
#25
2-Butanone
Concen: 252.265 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 527443
Ion Ratio Lower Upper
43 100
72 27.8 21.9 32.9

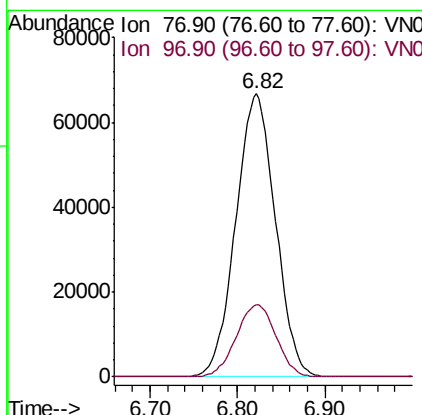
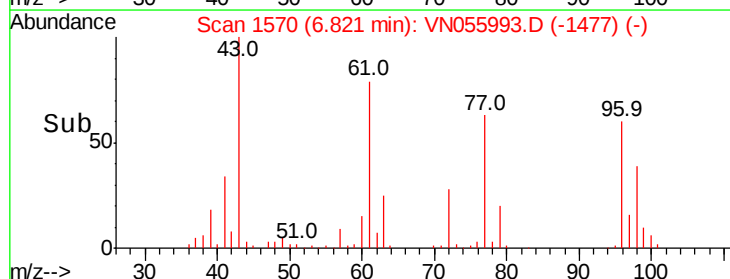
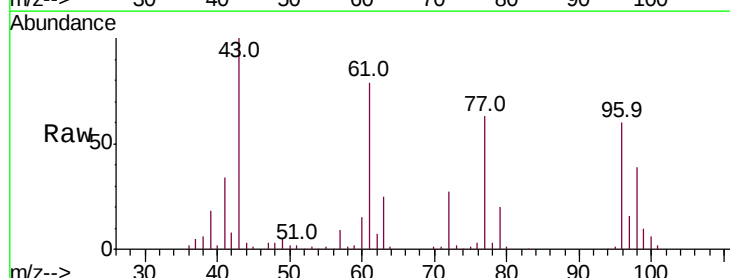
Manual Integrations
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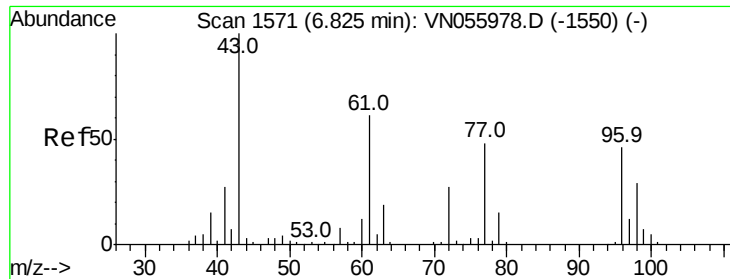
MMDadoda
6/5/2019 4:04:09 PM



#26
2,2-Dichloropropane
Concen: 48.753 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Tgt Ion: 77 Resp: 209546
Ion Ratio Lower Upper
77 100
97 25.7 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 50.711 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

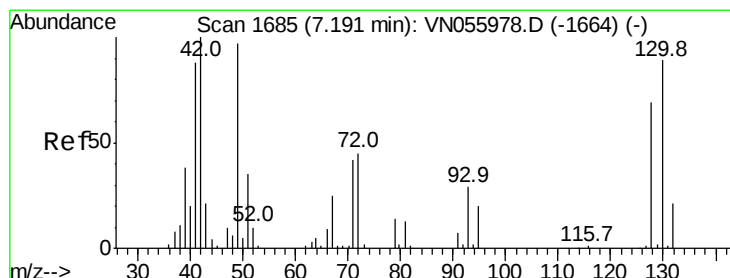
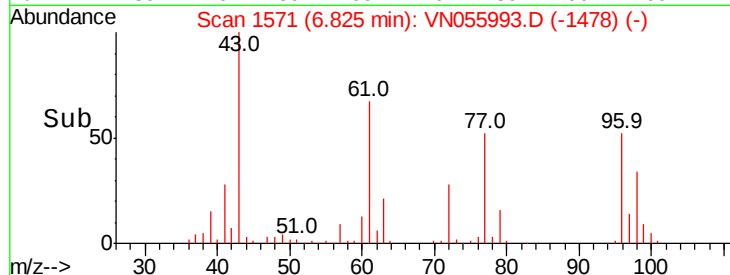
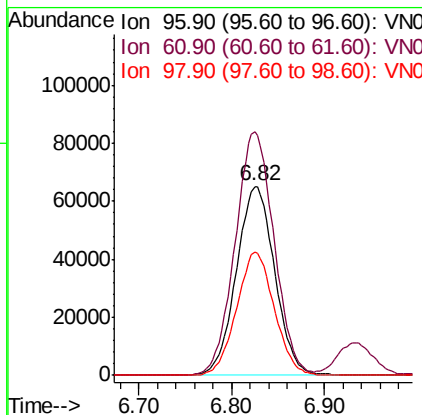
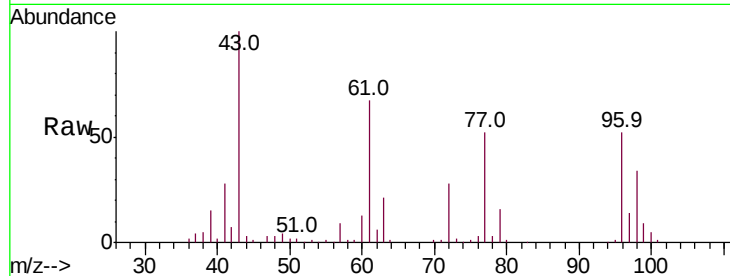
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	186841
Ion Ratio	Lower	Upper	
96	100		
61	130.8	0.0	275.8
98	64.3	0.0	128.4

Manual Integrations
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#28

Bromochloromethane

Concen: 51.093 ug/l

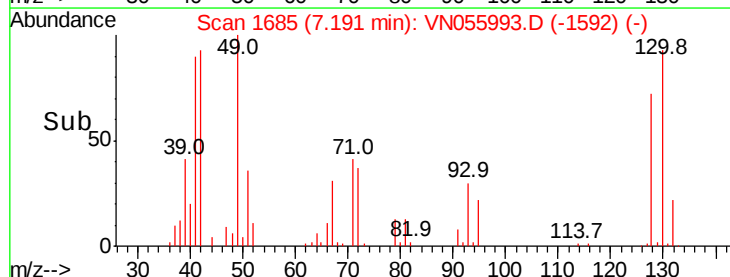
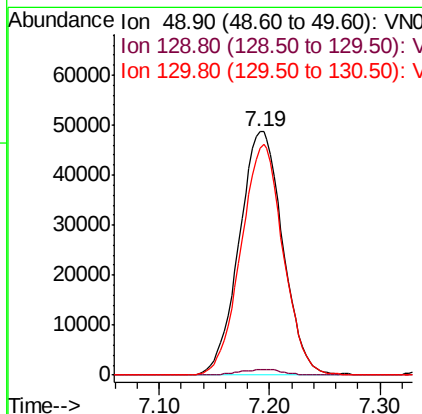
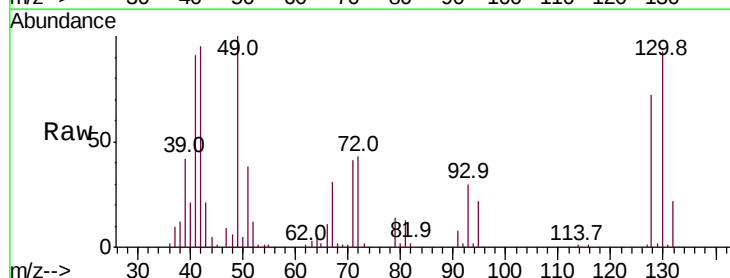
RT: 7.19 min Scan# 1685

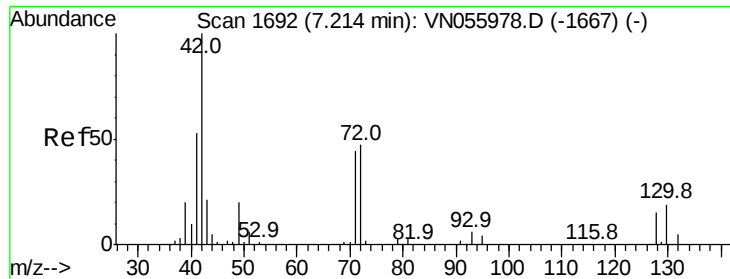
Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Tgt Ion:	49	Resp:	133087
Ion Ratio	Lower	Upper	
49	100		
129	2.3	0.0	4.4
130	91.7	71.2	106.8





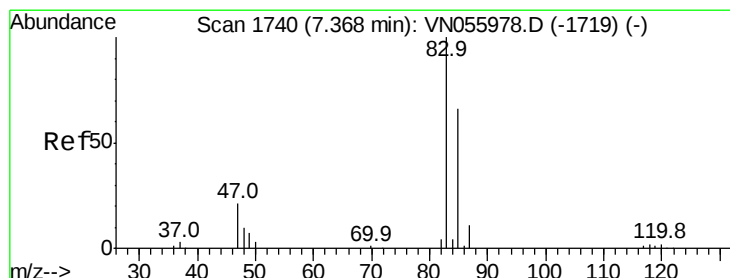
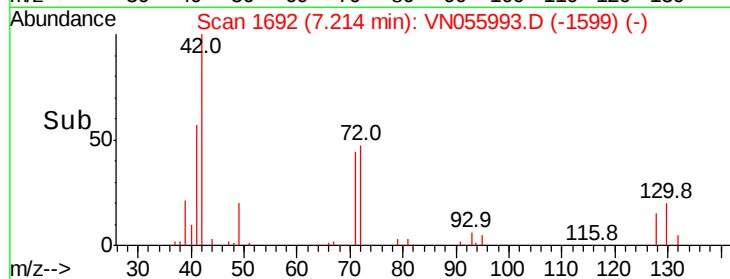
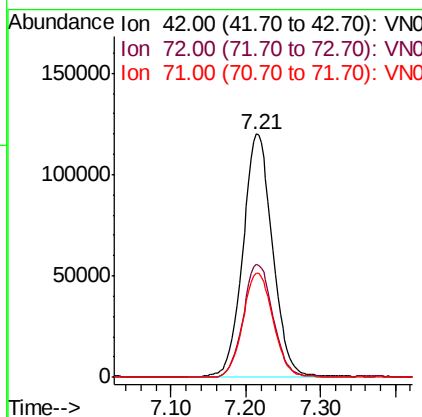
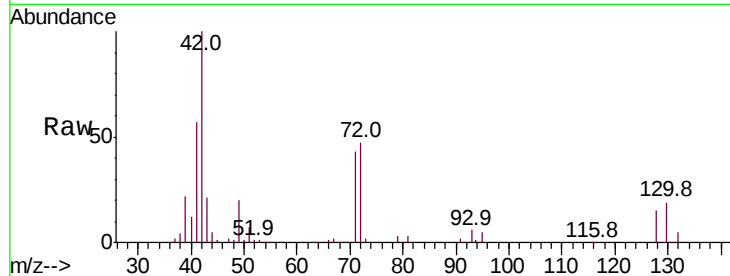
#29
Tetrahydrofuran
Concen: 257.048 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.9	35.9	53.9
71	43.4	34.0	51.0

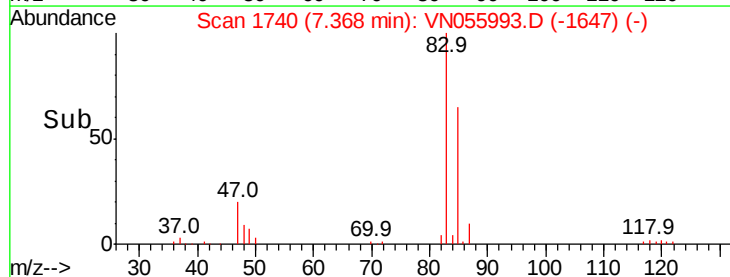
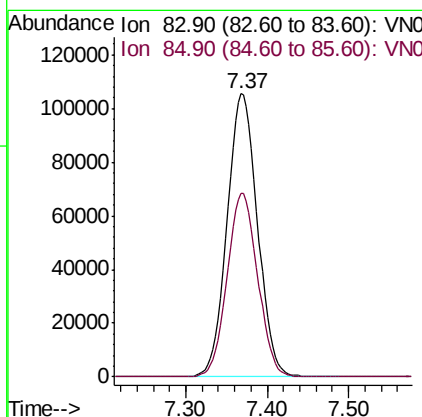
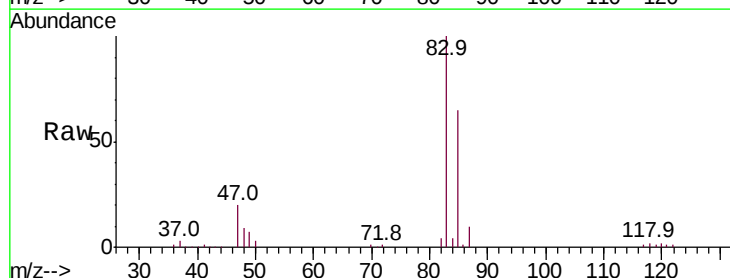
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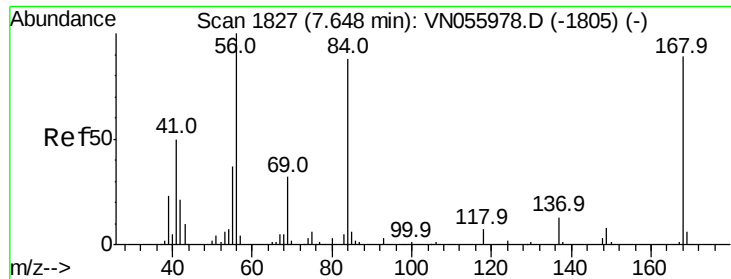
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#30
Chloroform
Concen: 49.769 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.8	77.8





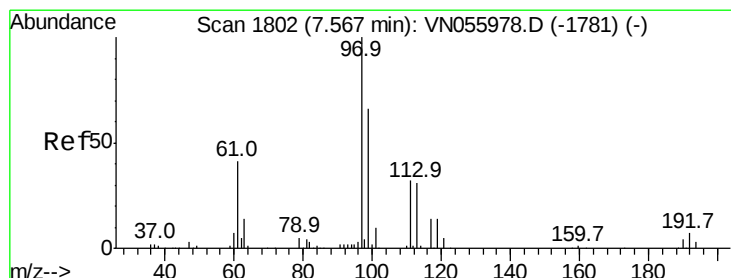
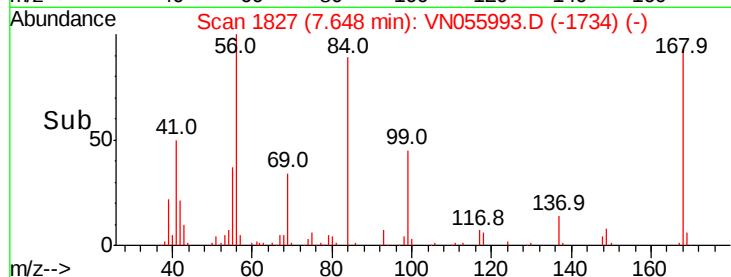
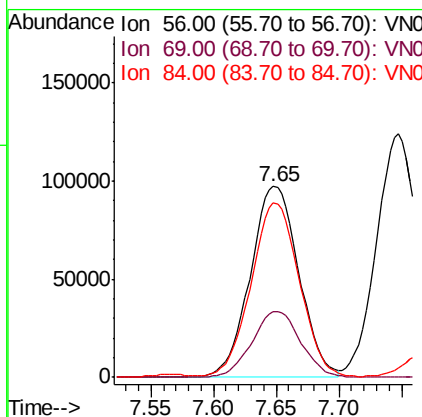
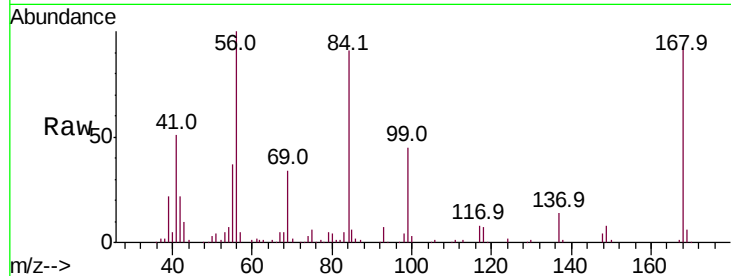
#31
Cyclohexane
Concen: 47.734 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.4	25.6	38.4
84	90.0	67.4	101.0

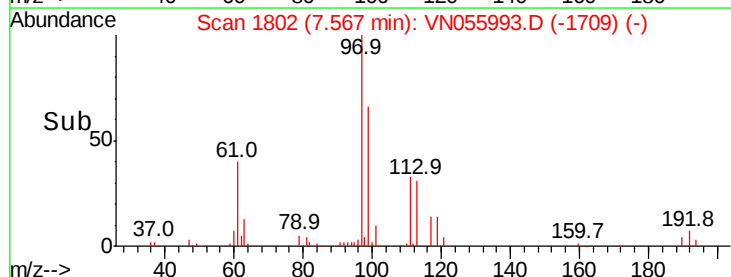
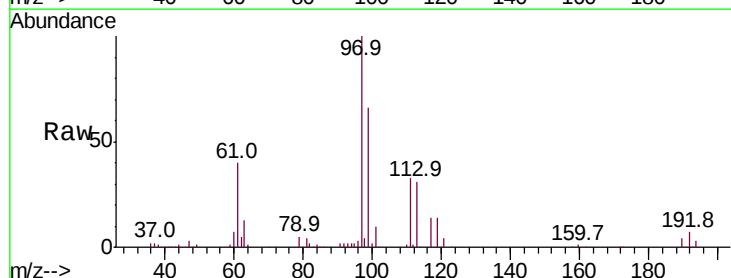
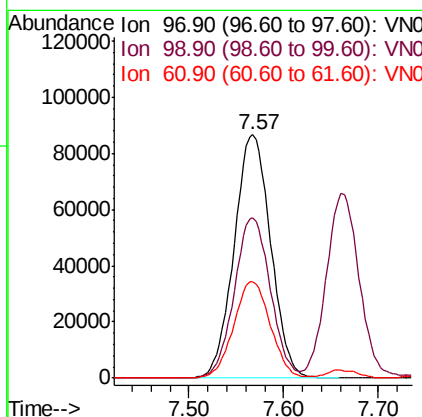
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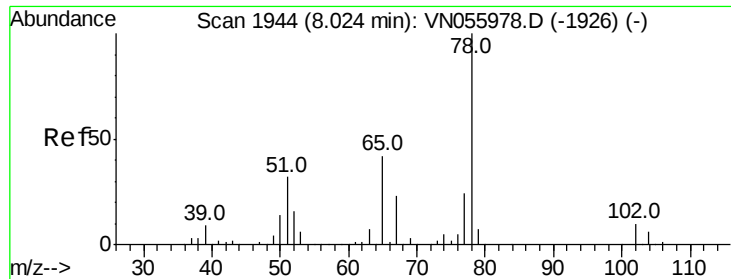
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#32
1,1,1-Trichloroethane
Concen: 50.380 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.0	78.0
61	39.9	32.9	49.3





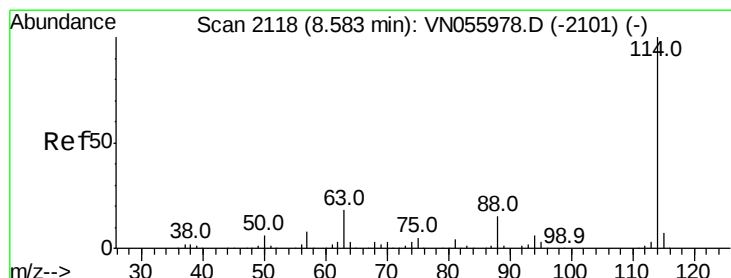
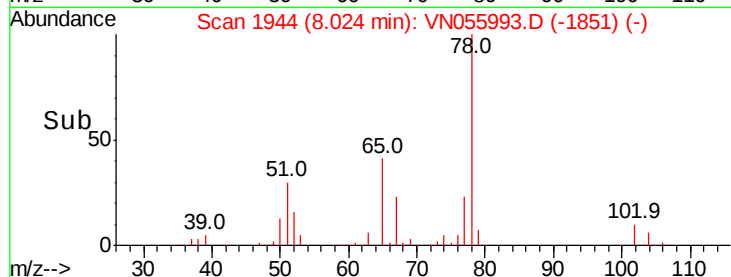
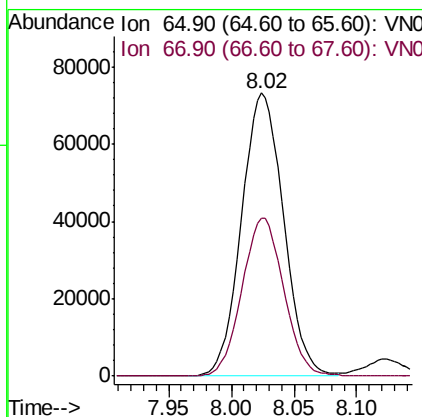
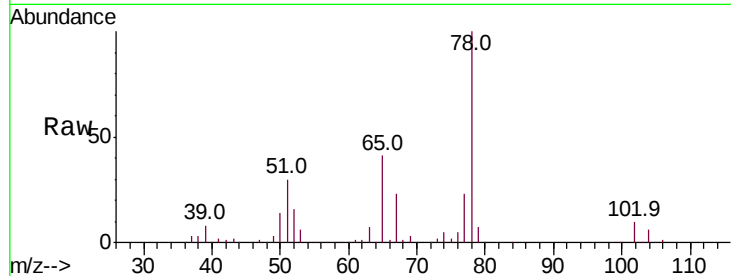
#33
 1,2-Dichloroethane-d4
 Concen: 49.402 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055993.D
 Acq: 4 Jun 2019 16:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	170934		
67	55.4	0.0	109.2	

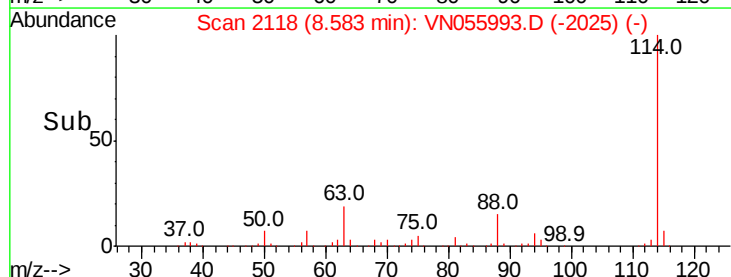
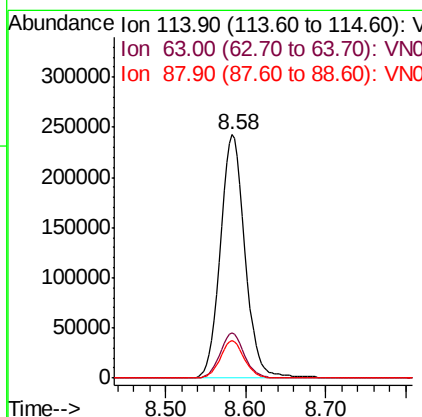
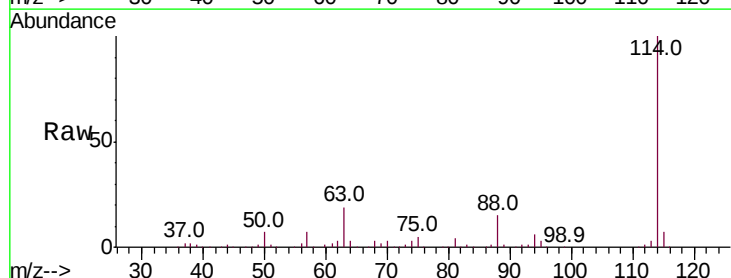
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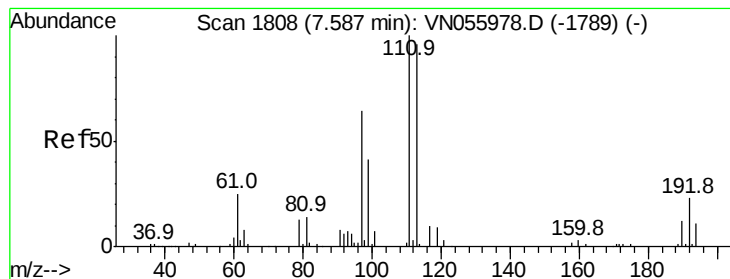
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055993.D
 Acq: 4 Jun 2019 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	515955		
63	18.7	0.0	39.2	
88	15.3	0.0	31.0	





#35

Dibromofluoromethane

Concen: 50.065 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:113 Resp: 158485

Ion Ratio Lower Upper

113 100

111 101.8 81.9 122.9

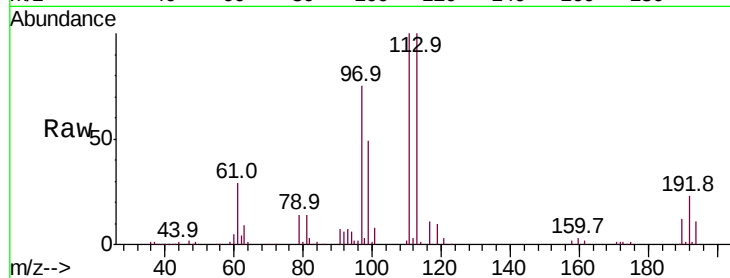
192 23.7 19.5 29.3

Manual Integrations

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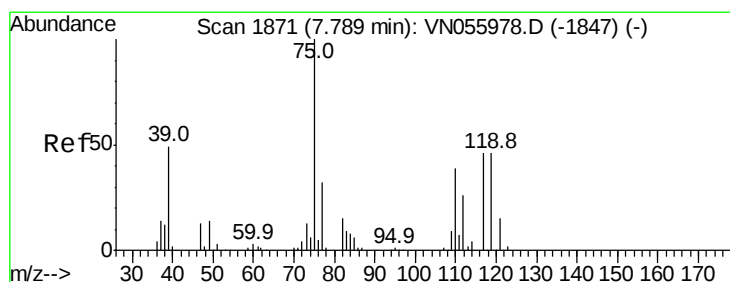
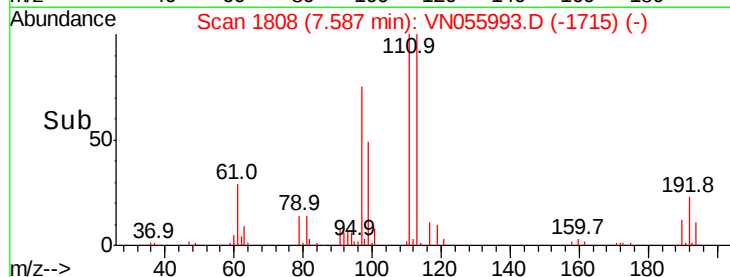
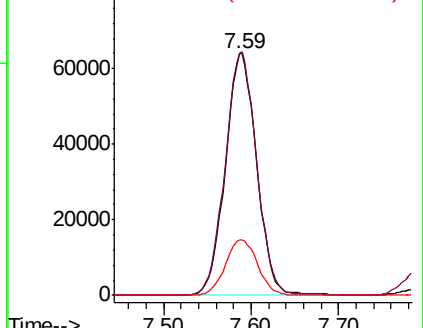
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Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.194 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

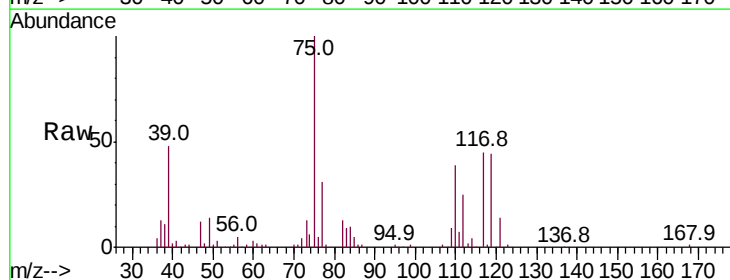
Tgt Ion: 75 Resp: 213811

Ion Ratio Lower Upper

75 100

110 38.7 19.0 57.0

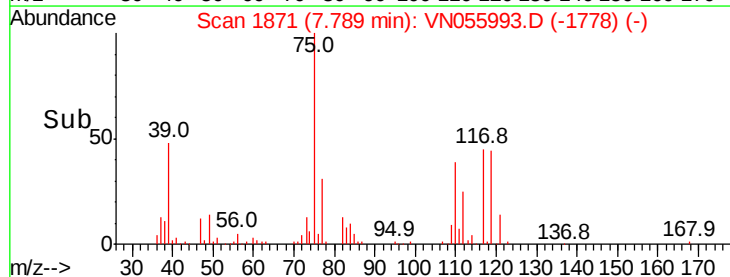
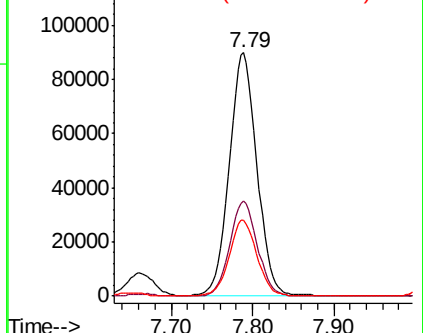
77 31.1 25.1 37.7

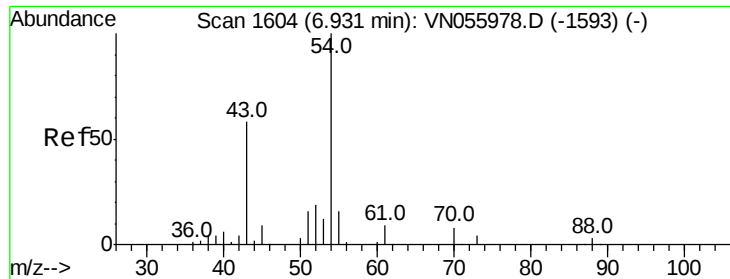


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VNO





#37

Ethyl Acetate

Concen: 51.580 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN055993.D

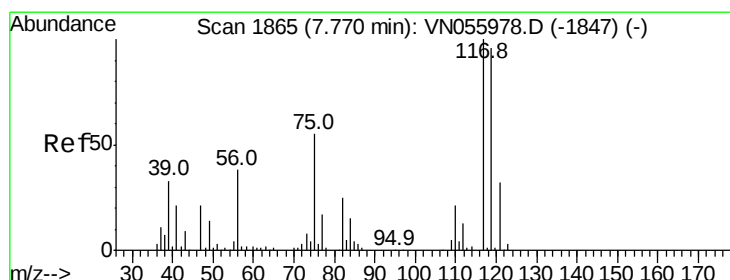
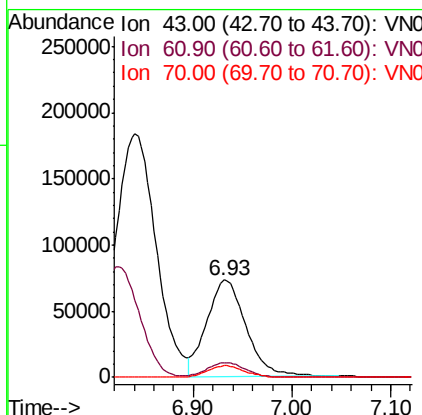
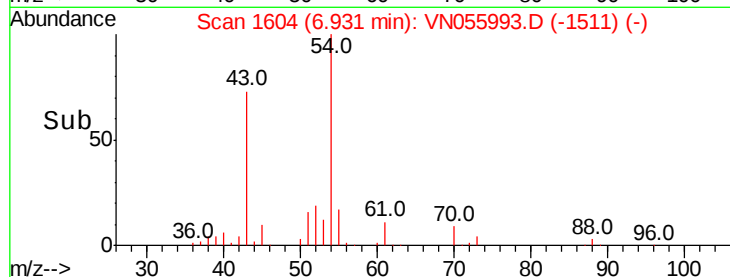
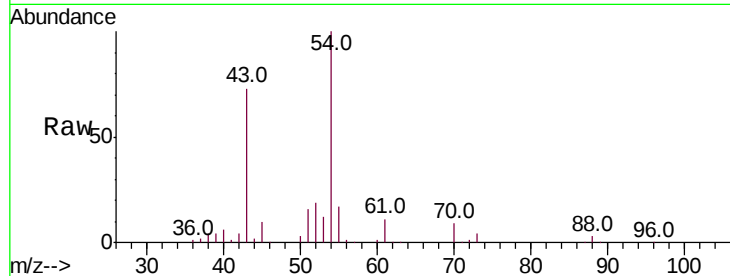
Acq: 4 Jun 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.8	12.2	18.2
70	11.5	8.9	13.3

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#38

Carbon Tetrachloride

Concen: 48.029 ug/l

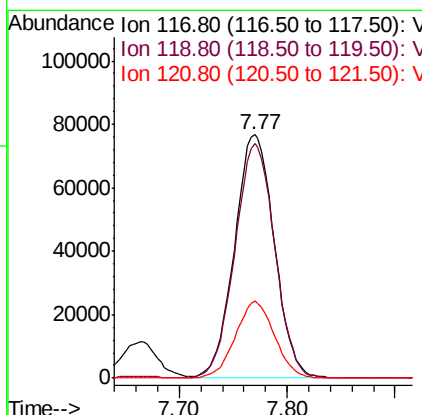
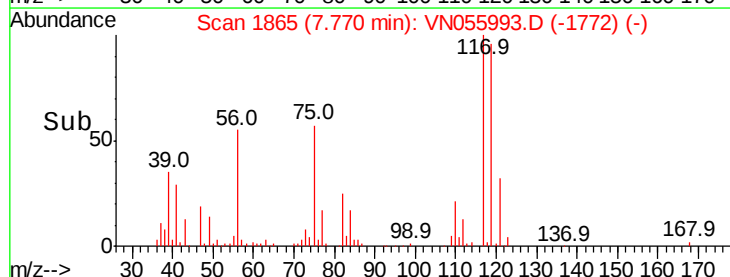
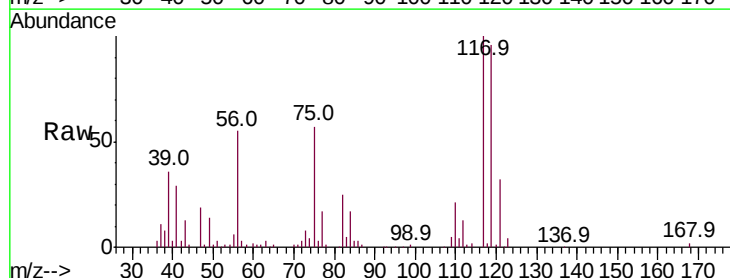
RT: 7.77 min Scan# 1865

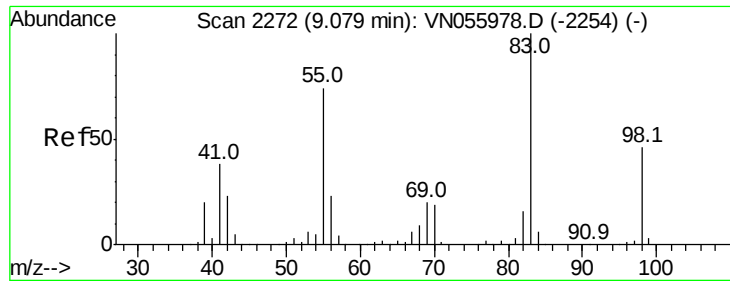
Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	79.0	118.6
121	31.7	24.7	37.1





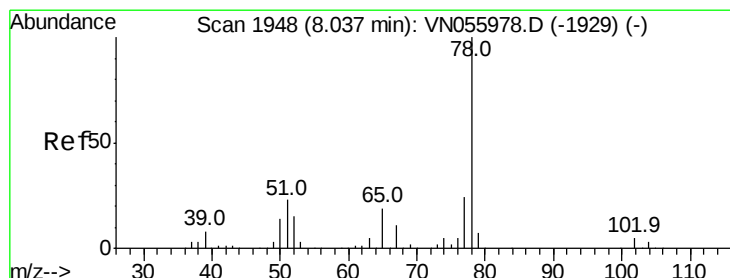
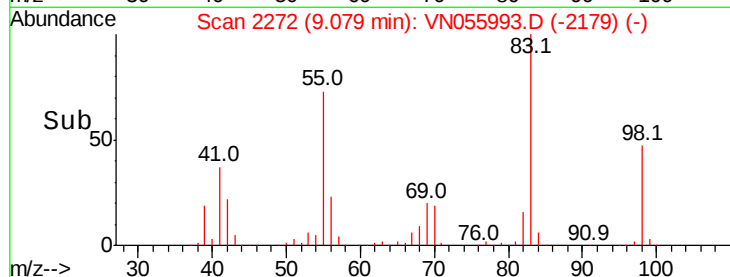
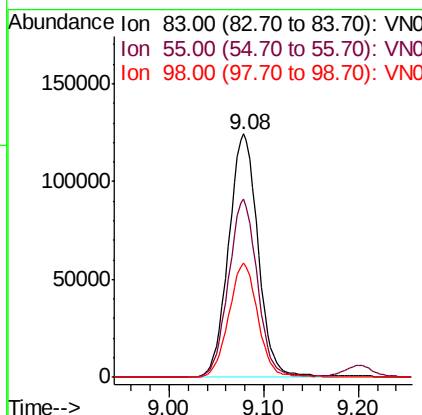
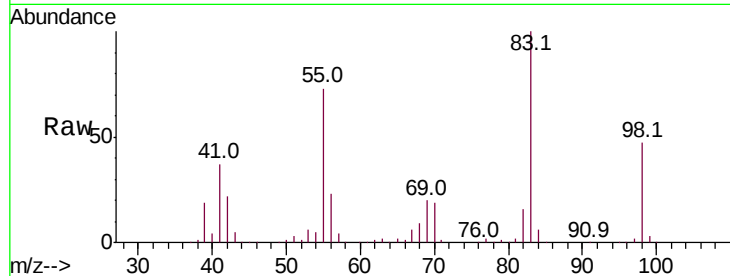
#39
Methvlcvclohexane
Concen: 48.746 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.0	59.3	88.9
98	46.8	36.6	54.8

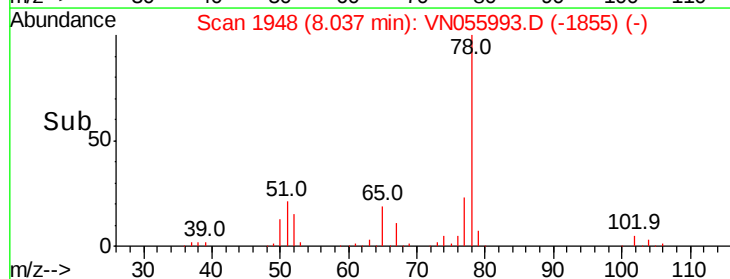
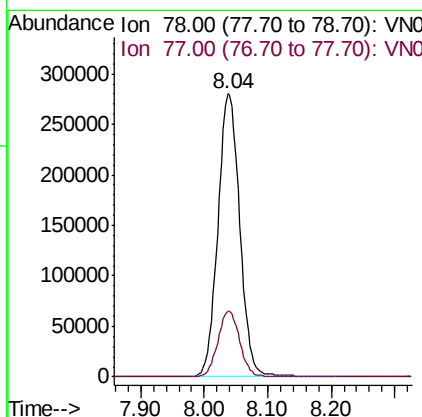
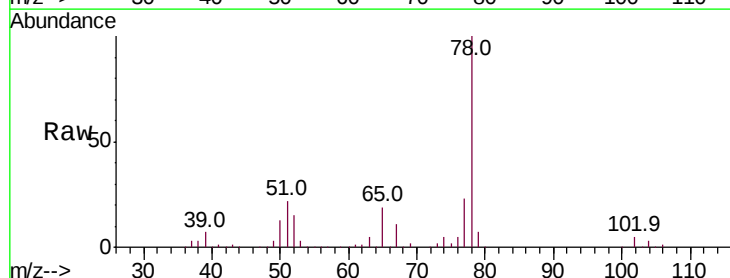
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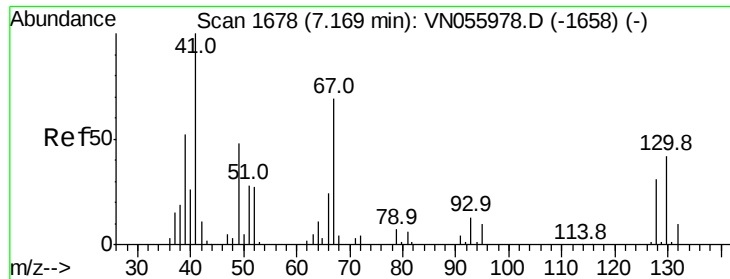
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#40
Benzene
Concen: 49.543 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





#41

Methacrylonitrile

Concen: 54.656 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 99266

Ion Ratio Lower Upper

41 100

39 55.7 45.6 68.4

67 87.8 67.7 101.5

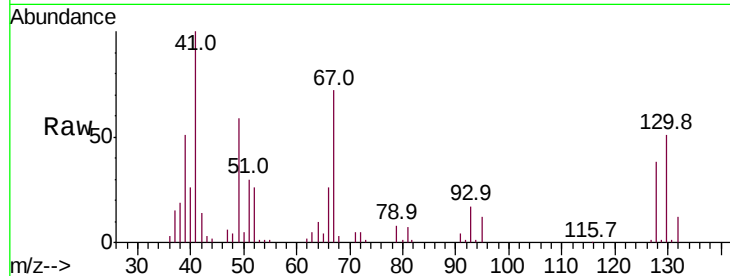
52 32.8 26.6 40.0

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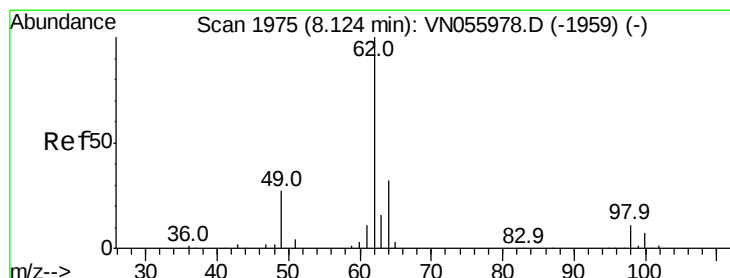
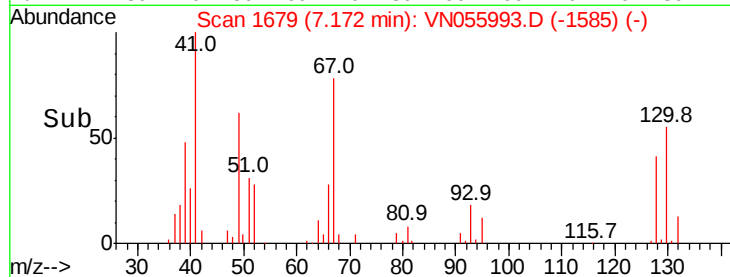
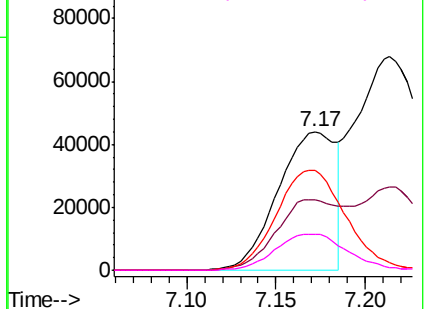
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42

1,2-Dichloroethane

Concen: 47.004 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN055993.D

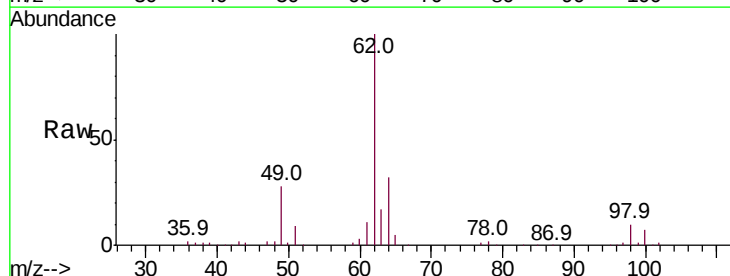
Acq: 4 Jun 2019 16:05

Tgt Ion: 62 Resp: 203732

Ion Ratio Lower Upper

62 100

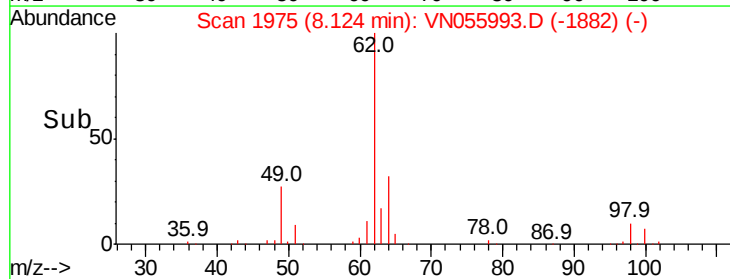
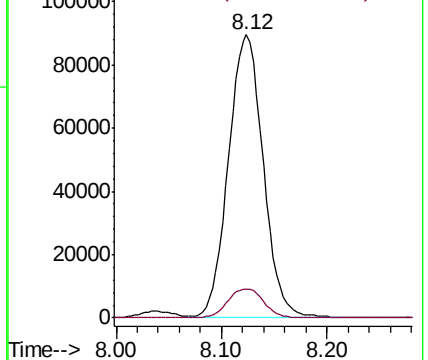
98 10.7 0.0 20.2

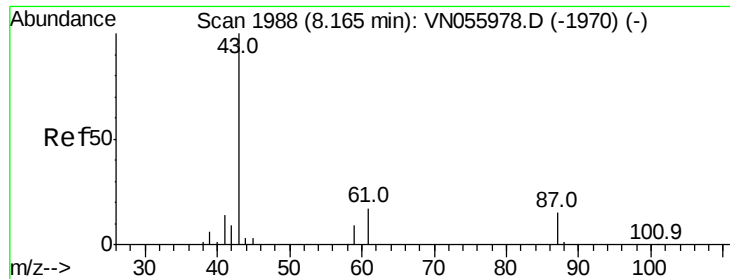


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 51.203 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

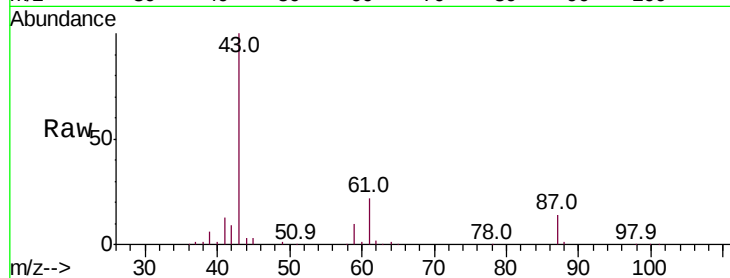
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	327526
Ion	Ratio	Lower	Upper
43	100		
61	28.7	22.2	33.4
87	14.7	11.4	17.2

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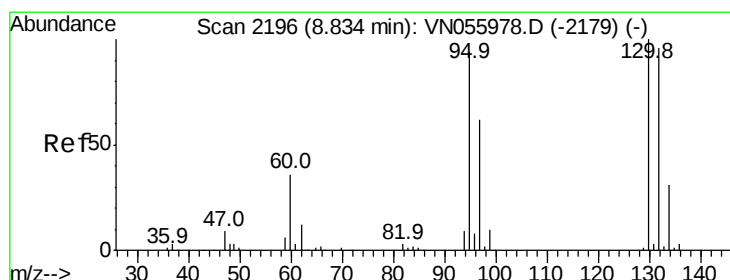
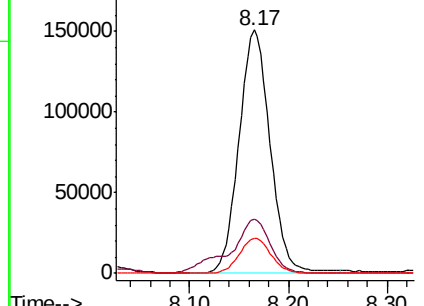
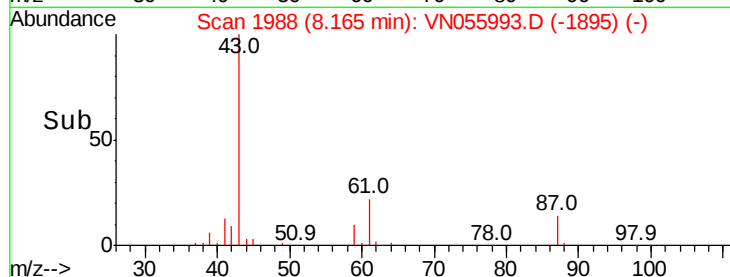


Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055978.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055978.D (-1970) (-)

Time-->



#44

Trichloroethene

Concen: 48.757 ug/l

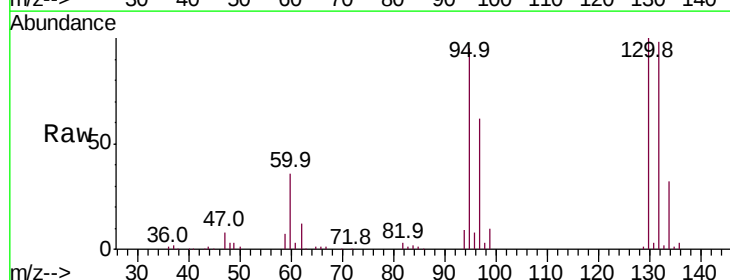
RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

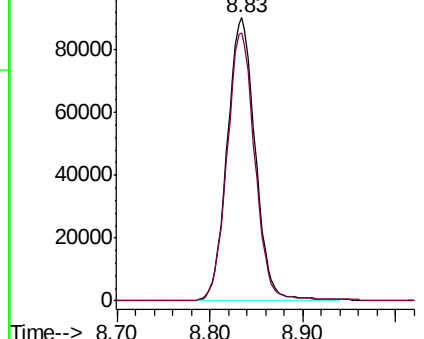
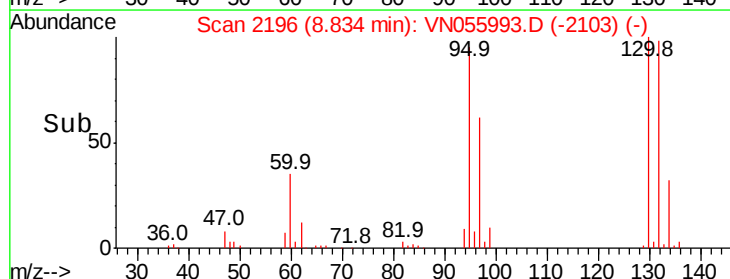
Tgt Ion:	130	Resp:	188781
Ion	Ratio	Lower	Upper
130	100		
95	94.7	0.0	188.0

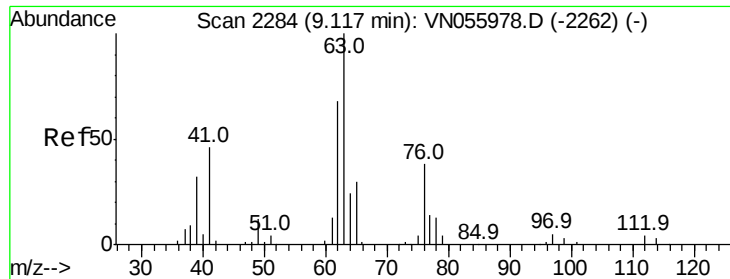


Abundance Ion 129.80 (129.50 to 130.50): VN055978.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055978.D (-2179) (-)

Time-->





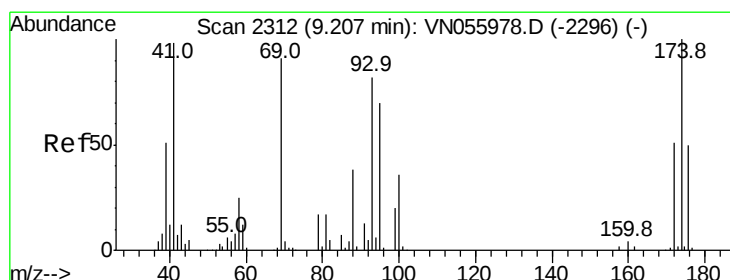
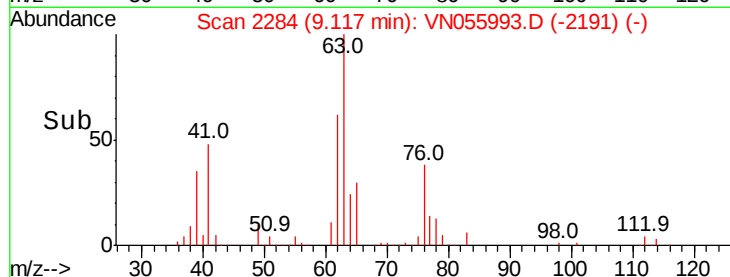
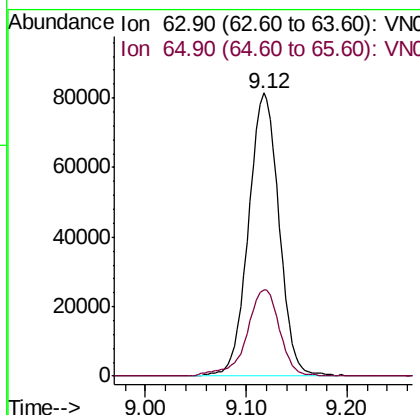
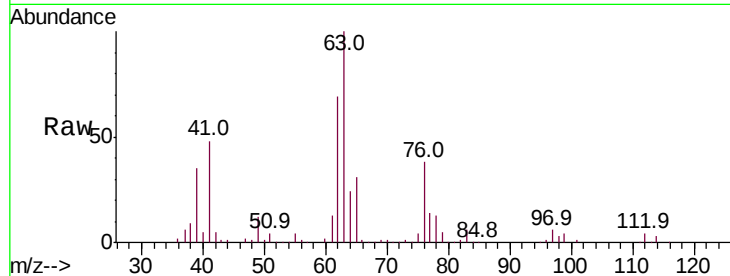
#45
 1,2-Dichloropropane
 Concen: 49.413 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN055993.D
 Acq: 4 Jun 2019 16:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 170544
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.6 36.8

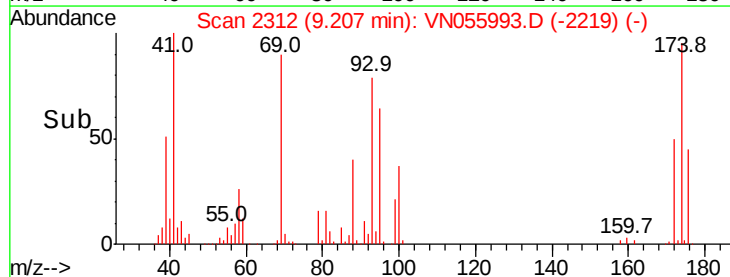
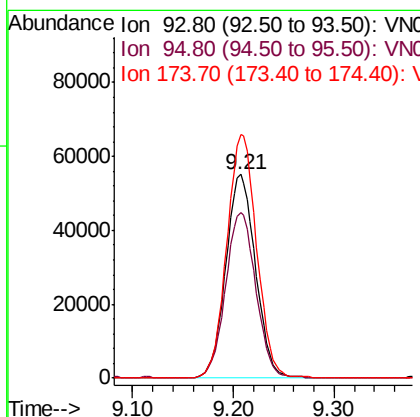
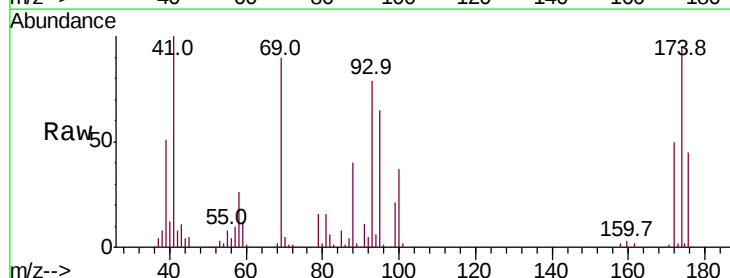
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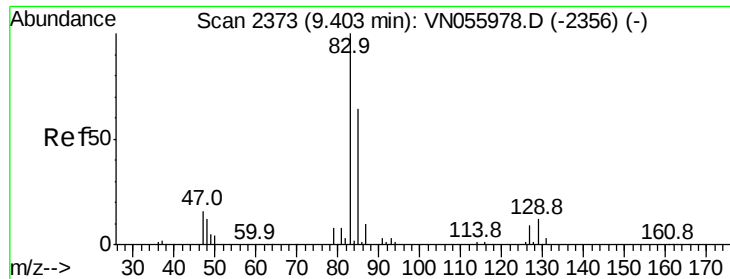
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#46
 Dibromomethane
 Concen: 50.226 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055993.D
 Acq: 4 Jun 2019 16:05

Tgt Ion: 93 Resp: 113360
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.7 100.1
 174 119.9 96.4 144.6





#47

Bromodichloromethane

Concen: 49.767 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

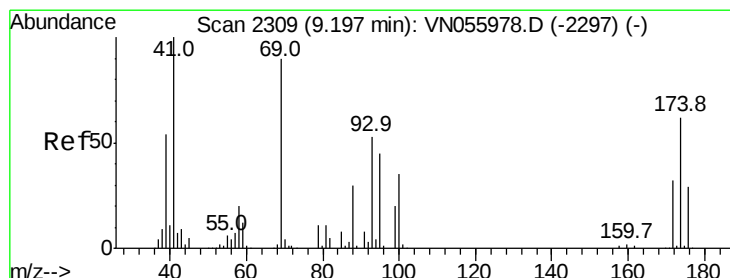
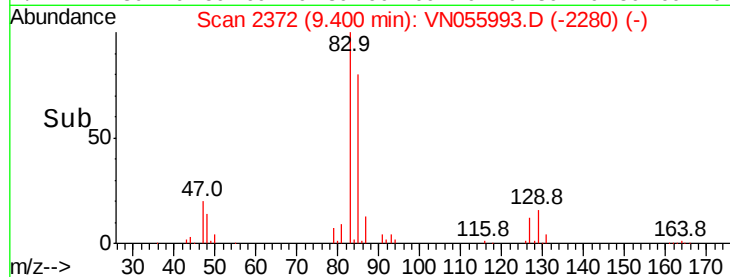
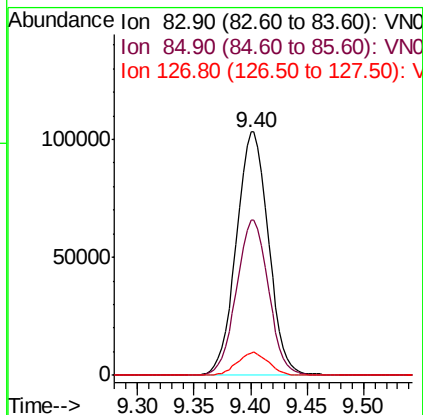
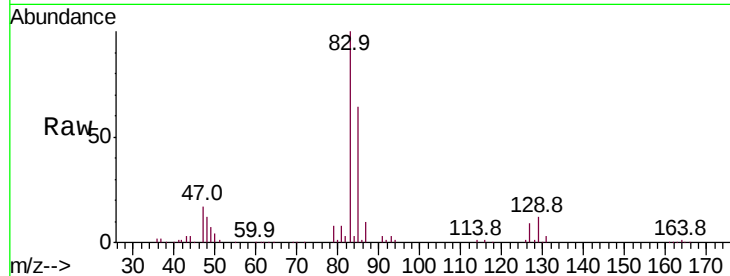
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	203577
Ion Ratio	Lower	Upper	
83	100		
85	63.7	52.2	78.2
127	9.3	7.4	11.0

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#48

Methyl methacrylate

Concen: 49.758 ug/l

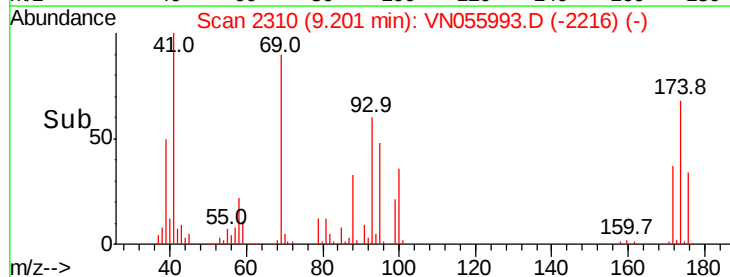
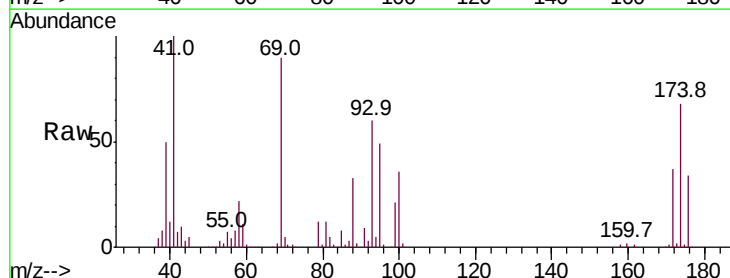
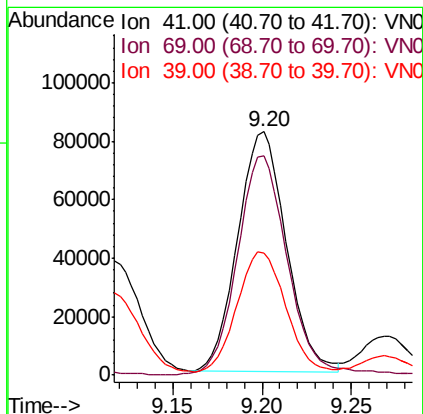
RT: 9.20 min Scan# 2310

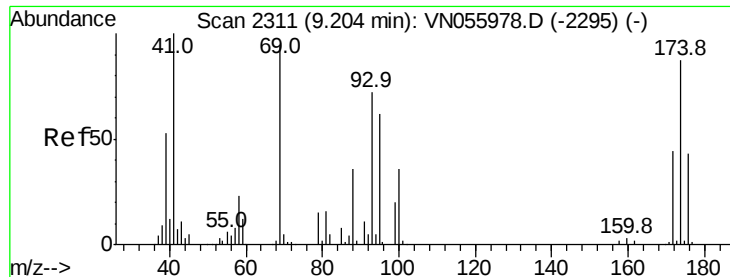
Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Tgt Ion:	41	Resp:	155714
Ion Ratio	Lower	Upper	
41	100		
69	94.8	71.0	106.6
39	52.4	44.2	66.2





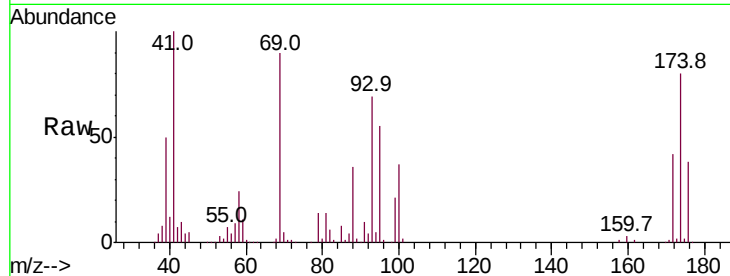
#49
1,4-Dioxane
Concen: 939.440 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	63469
Ion	Ratio	Lower	Upper
88	100		
43	26.2	20.5	30.7
58	65.4	55.8	83.6

Manual Integrations
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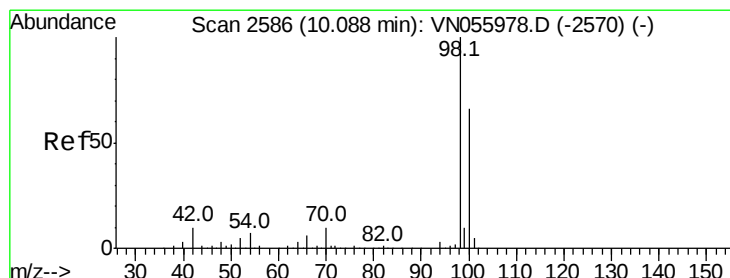
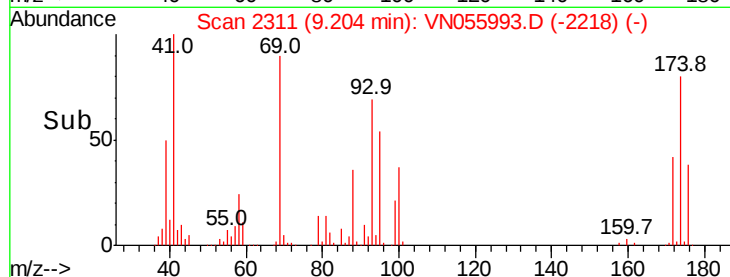
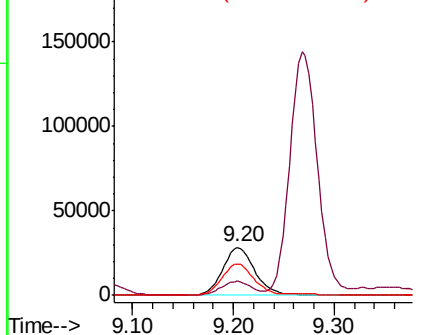


Abundance

Ion 88.00 (87.70 to 88.70): VN0

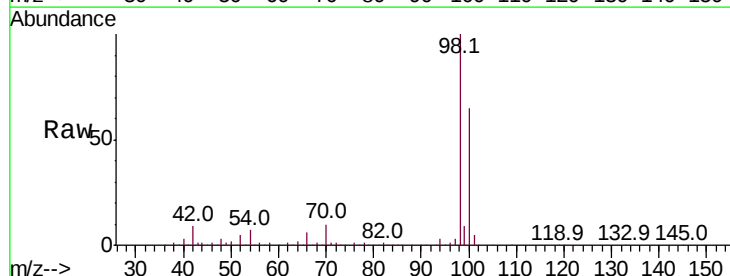
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 50.247 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

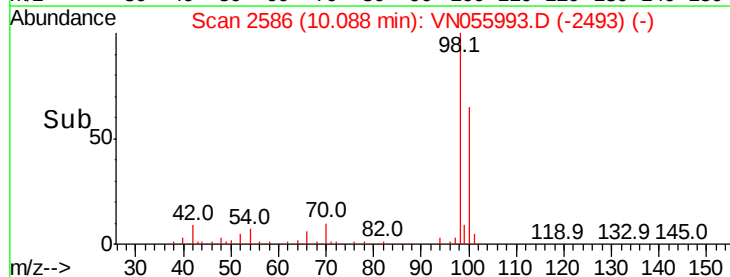
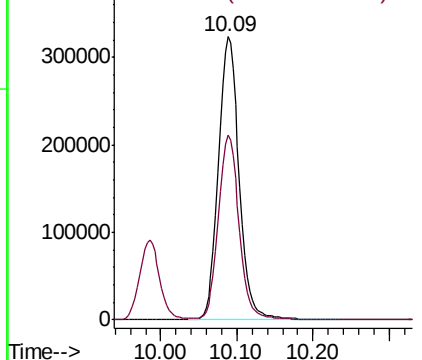
Tgt Ion	98	Resp	612059
Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.9	77.9

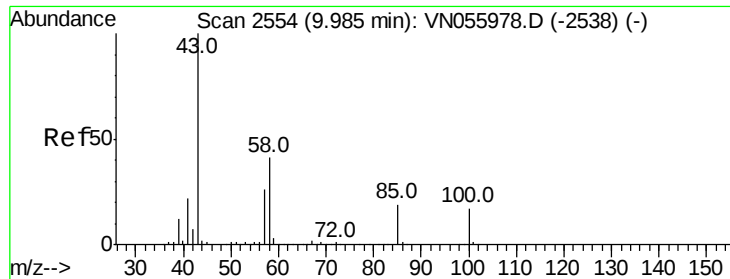


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 253.689 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1014792

Ion Ratio Lower Upper

43 100

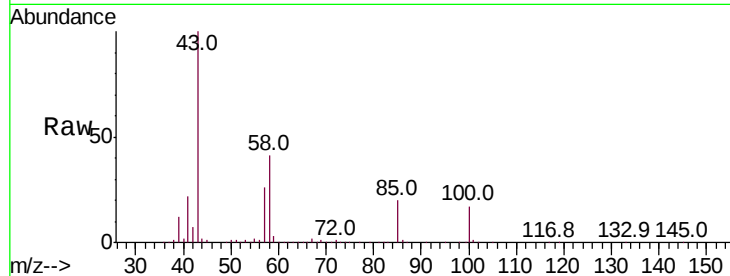
58 41.0 32.1 48.1

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

600000

500000

400000

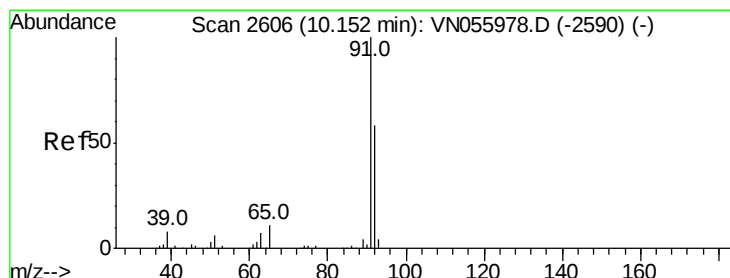
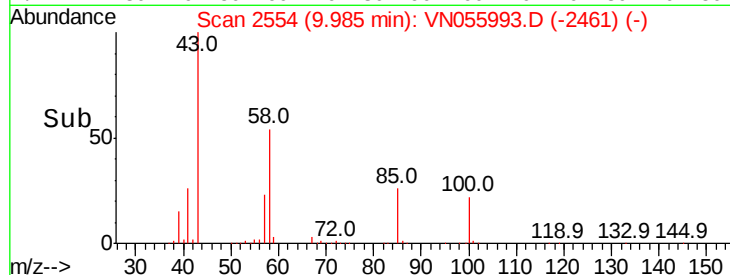
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.162 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN055993.D

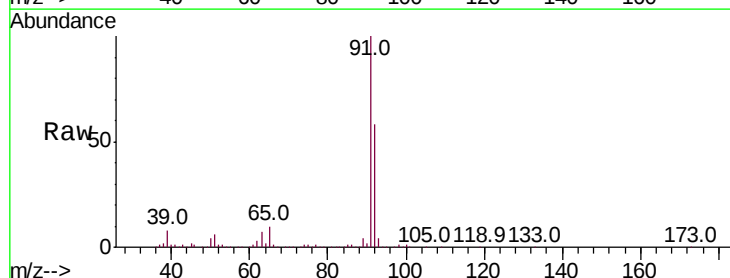
Acq: 4 Jun 2019 16:05

Tgt Ion: 92 Resp: 420594

Ion Ratio Lower Upper

92 100

91 174.0 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

400000

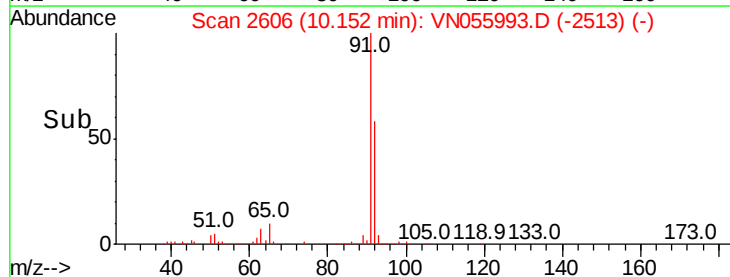
300000

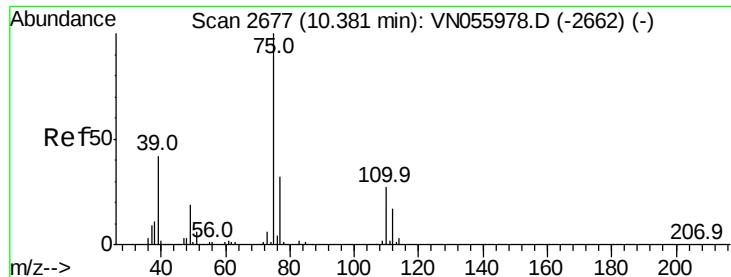
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 46.843 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 223892

Ion Ratio Lower Upper

75 100

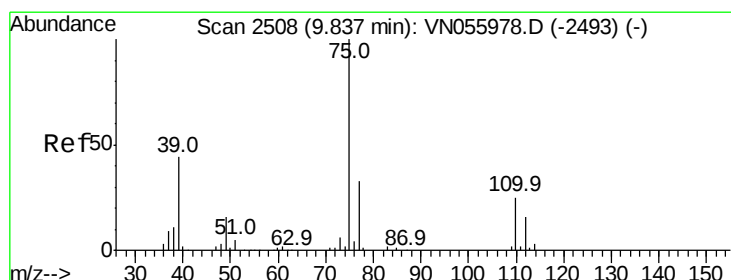
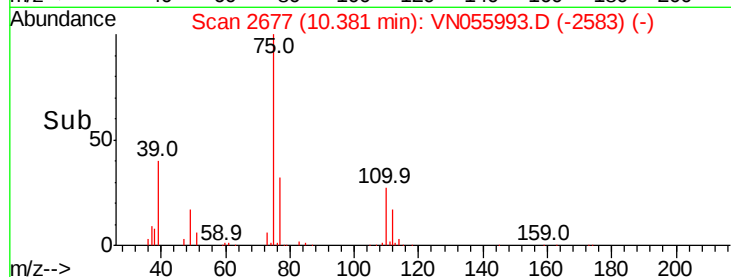
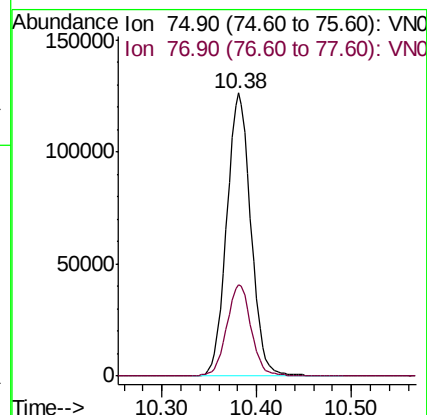
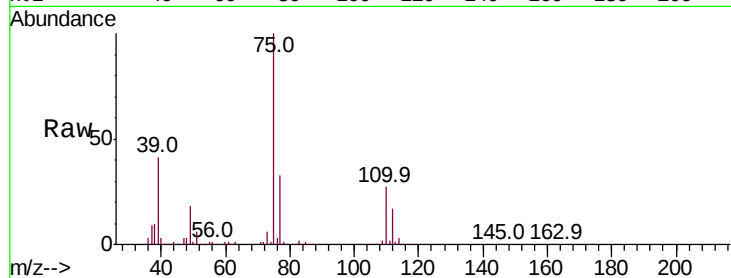
77 32.3 25.8 38.6

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#54

cis-1,3-Dichloropropene

Concen: 52.413 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

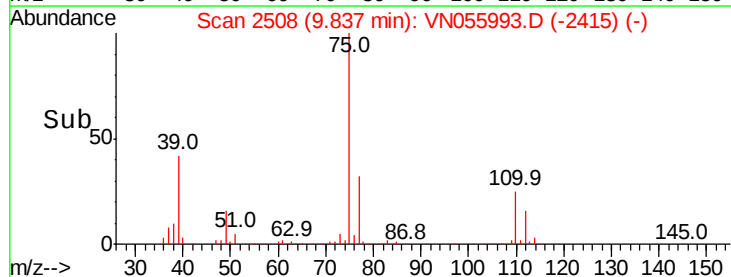
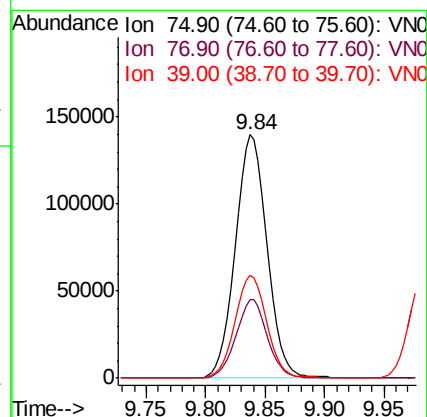
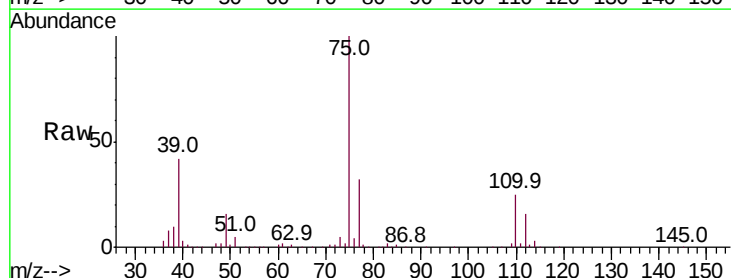
Tgt Ion: 75 Resp: 257709

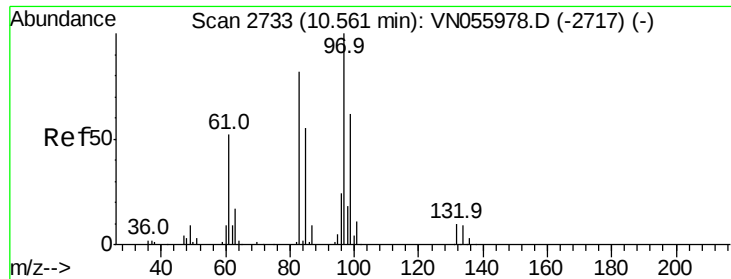
Ion Ratio Lower Upper

75 100

77 32.4 25.4 38.0

39 42.1 36.3 54.5





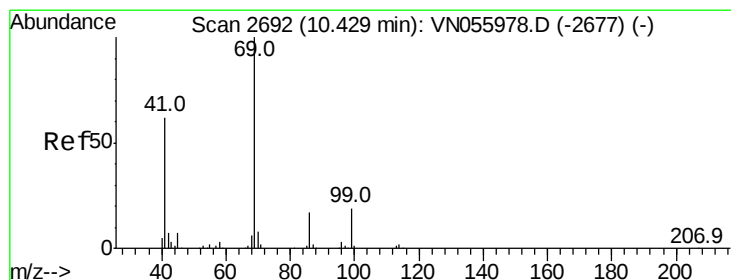
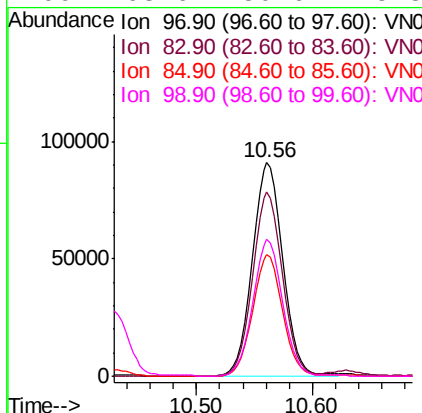
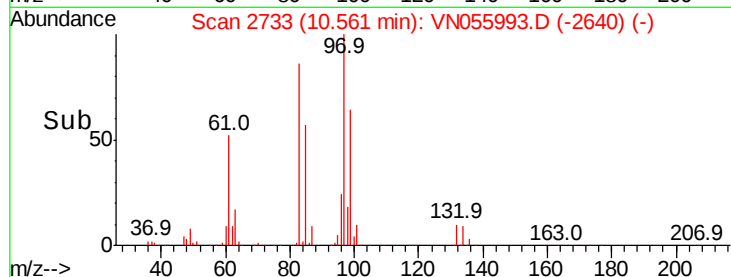
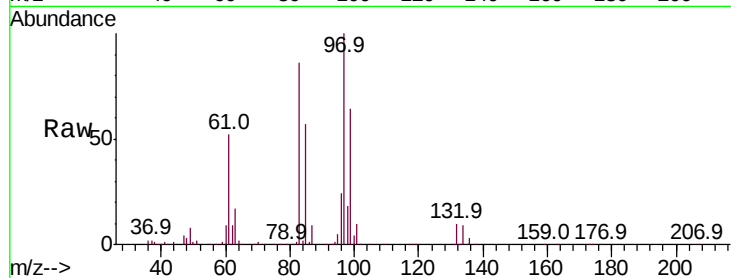
#55
 1,1,2-Trichloroethane
 Concen: 50.458 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055993.D
 Acq: 4 Jun 2019 16:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	167589
Ion	Ratio	Lower	Upper
97	100		
83	86.3	67.0	100.6
85	57.2	44.0	66.0
99	63.6	50.6	75.8

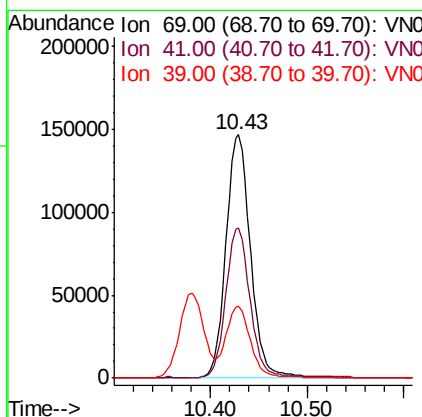
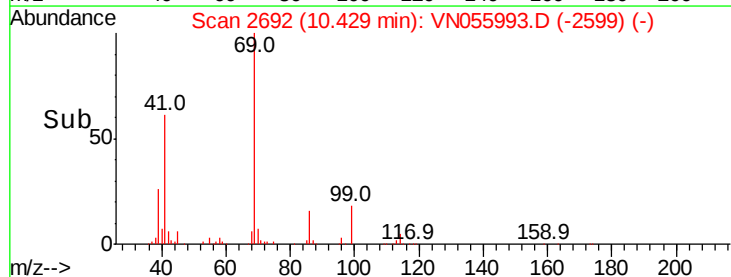
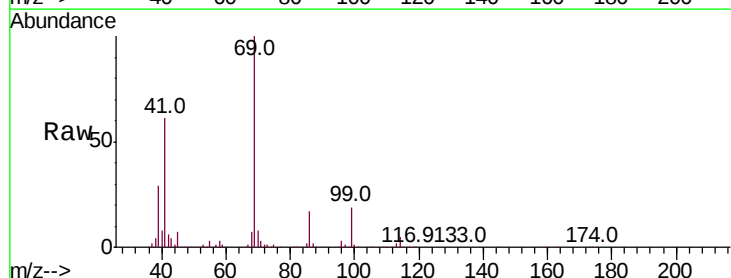
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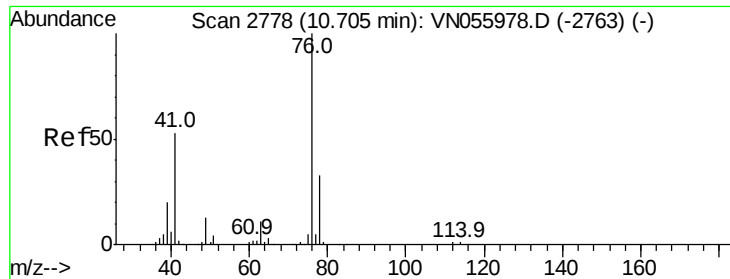
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#56
 Ethyl methacrylate
 Concen: 53.354 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055993.D
 Acq: 4 Jun 2019 16:05

Tgt Ion	69	Resp	258525
Ion	Ratio	Lower	Upper
69	100		
41	60.4	49.7	74.5
39	28.7	24.7	37.1





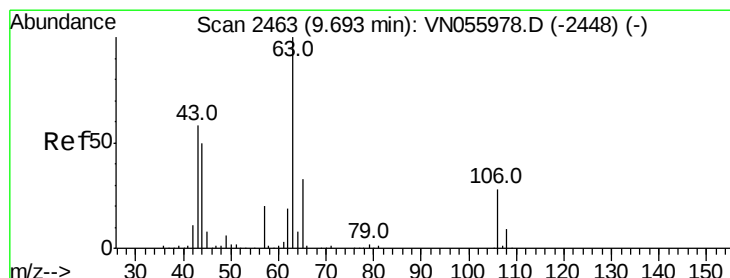
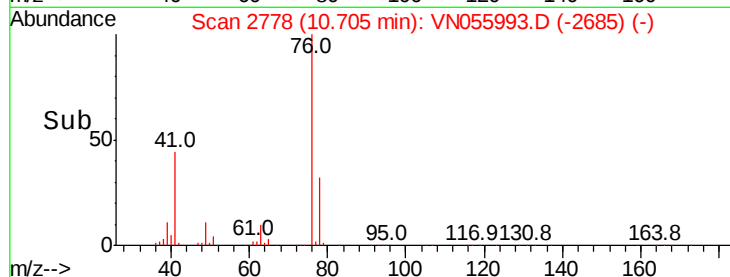
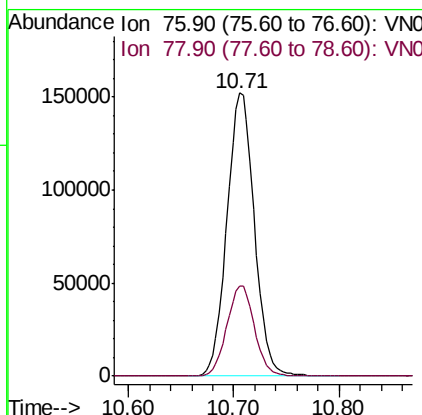
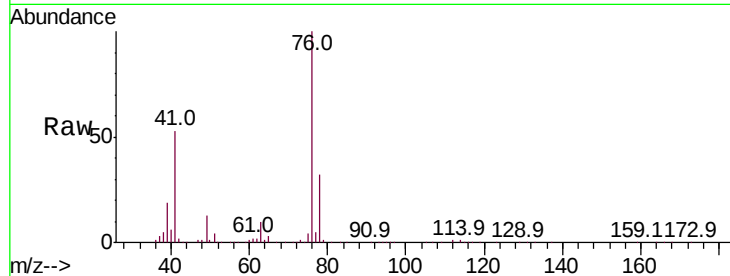
#57
 1,3-Dichloropropane
 Concen: 50.613 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055993.D
 Acq: 4 Jun 2019 16:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.6

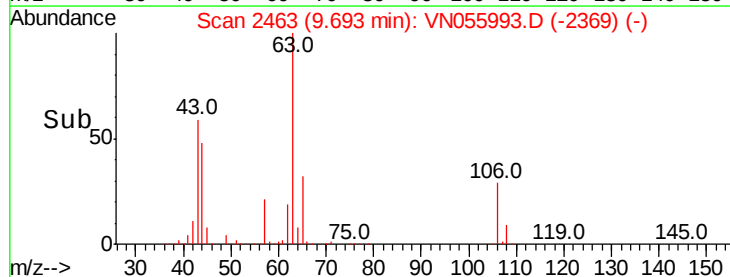
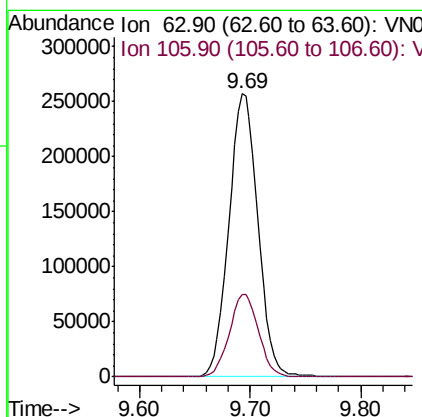
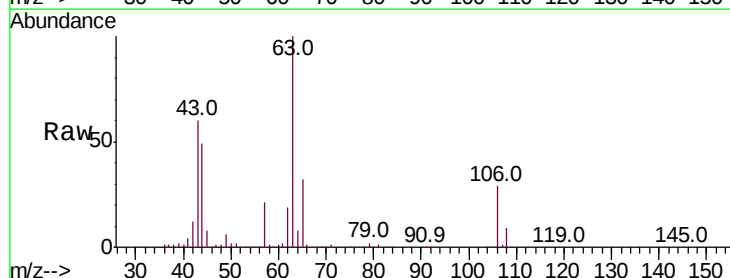
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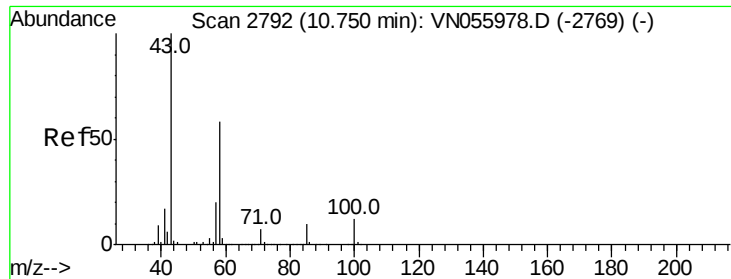
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#58
 2-Chloroethyl Vinyl ether
 Concen: 245.015 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN055993.D
 Acq: 4 Jun 2019 16:05

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.1	22.7	34.1





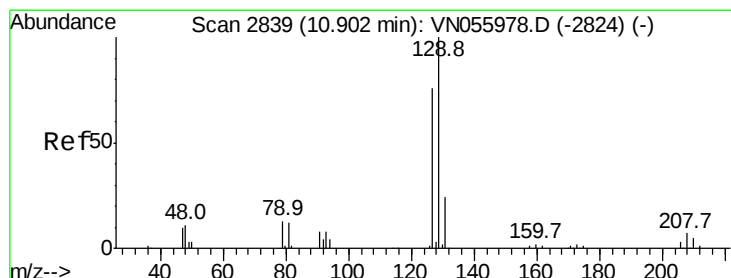
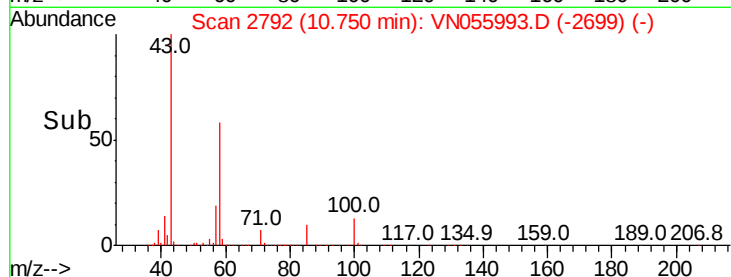
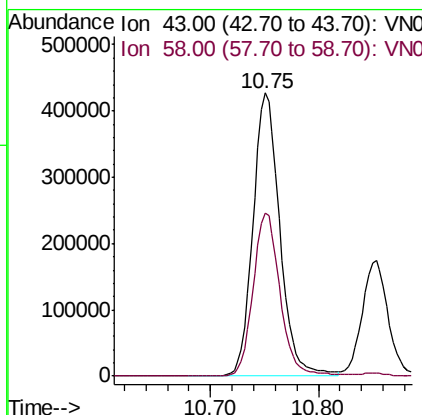
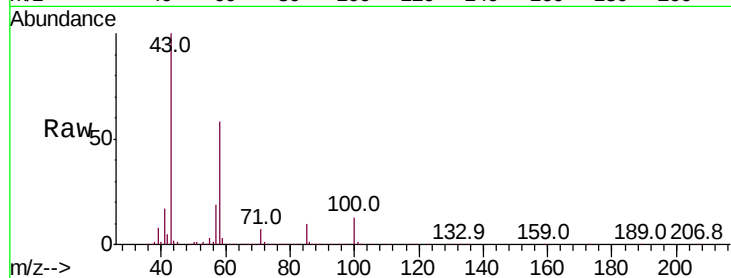
#59
2-Hexanone
Concen: 253.386 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 734619
Ion Ratio Lower Upper
43 100
58 58.2 28.2 84.7

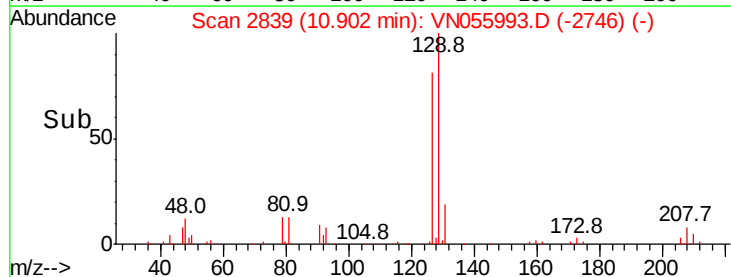
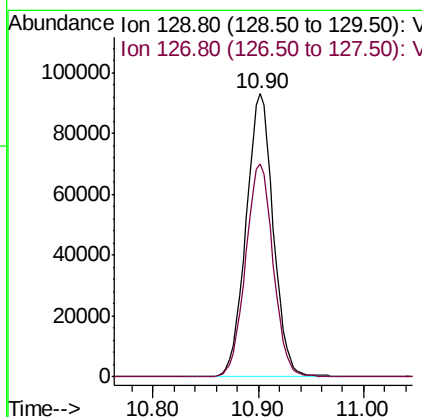
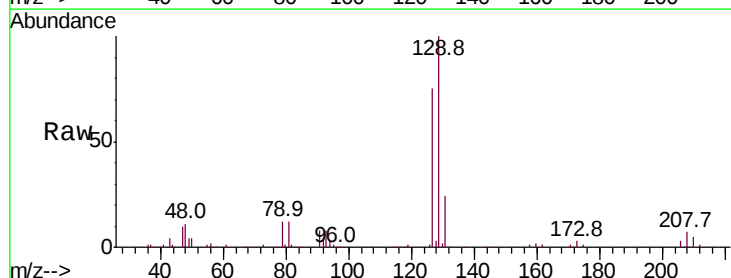
Manual Integrations
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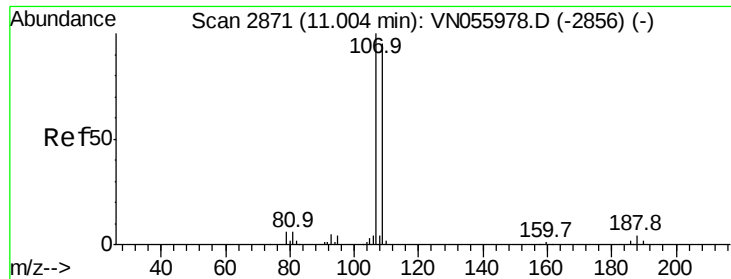
MMDadoda
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#60
Dibromochloromethane
Concen: 45.988 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Tgt Ion: 129 Resp: 167703
Ion Ratio Lower Upper
129 100
127 76.3 38.1 114.3





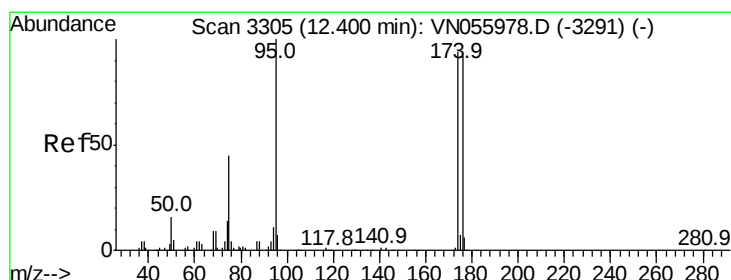
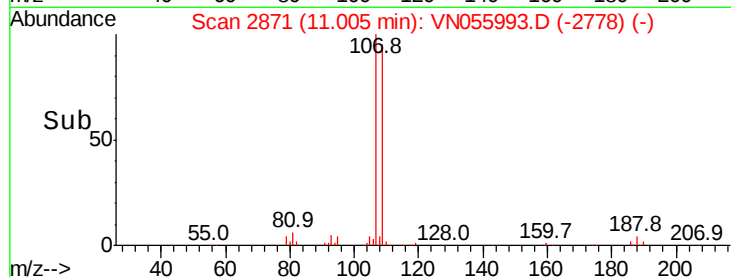
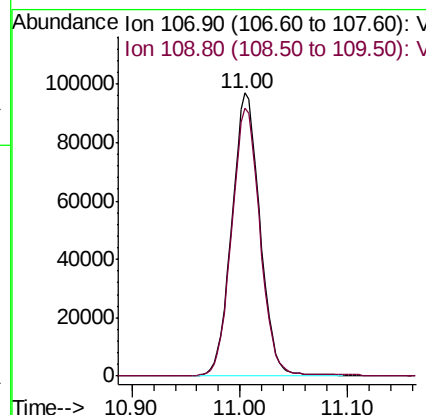
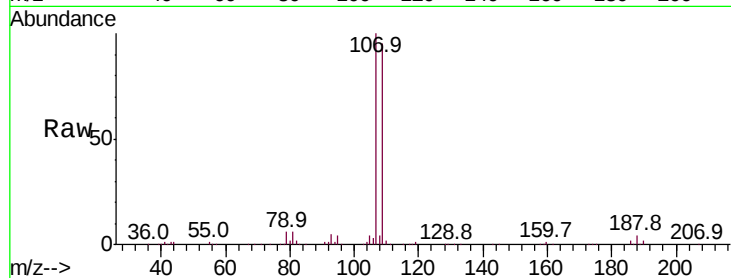
#61
1,2-Dibromoethane
Concen: 51.604 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.6	74.8	112.2

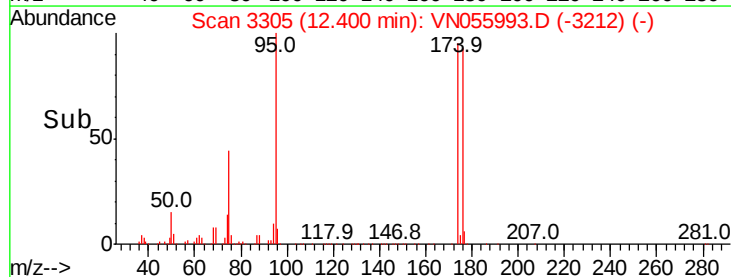
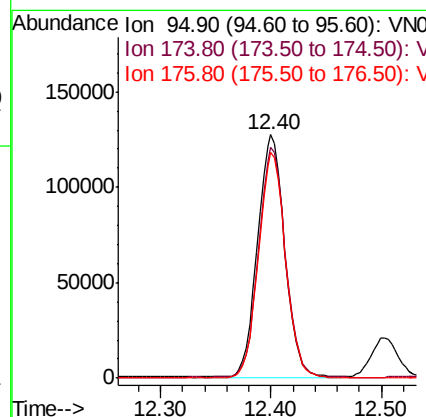
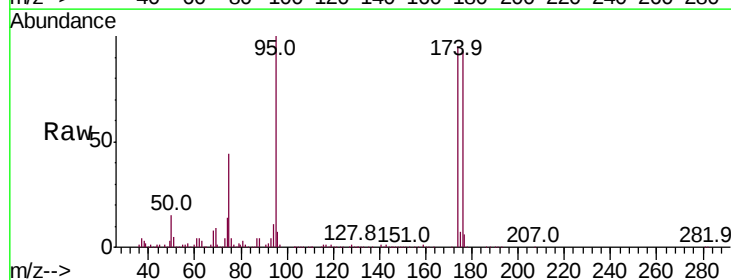
Manual Integrations
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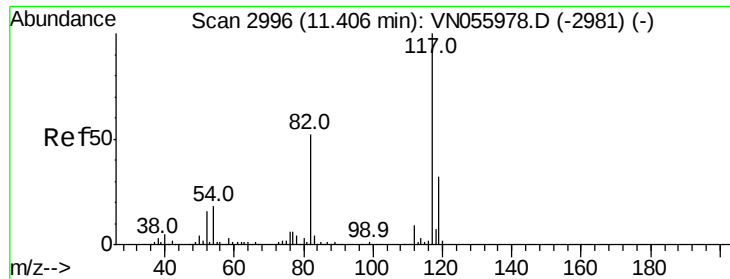
MMDadoda
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#62
4-Bromofluorobenzene
Concen: 52.172 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.3	0.0	191.0
176	92.4	0.0	185.2





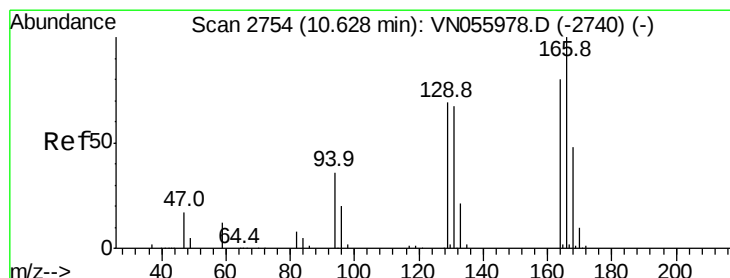
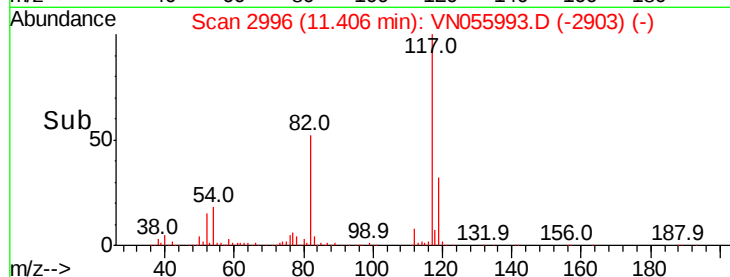
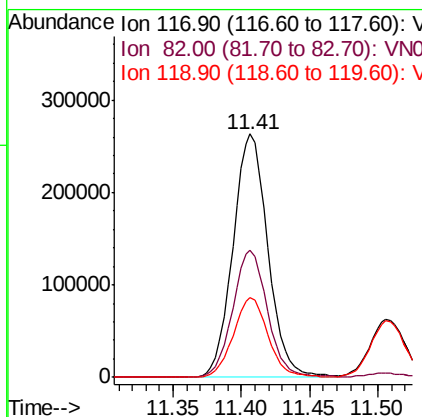
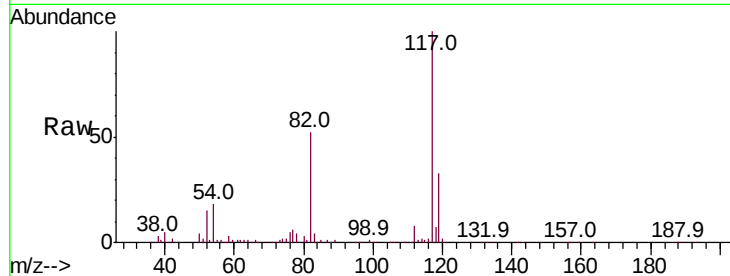
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	41.8	62.8
119	32.8	25.4	38.0

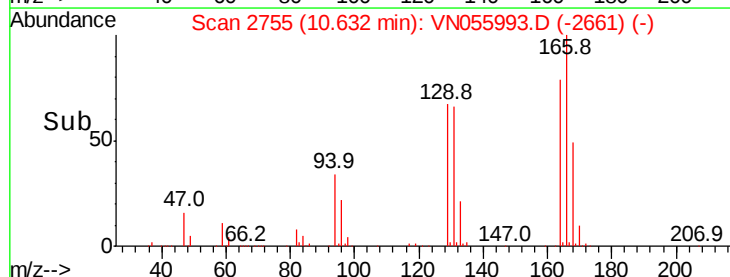
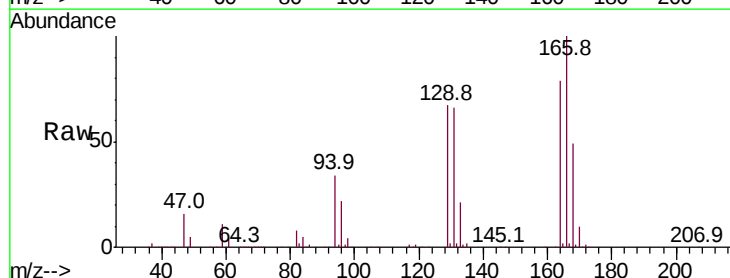
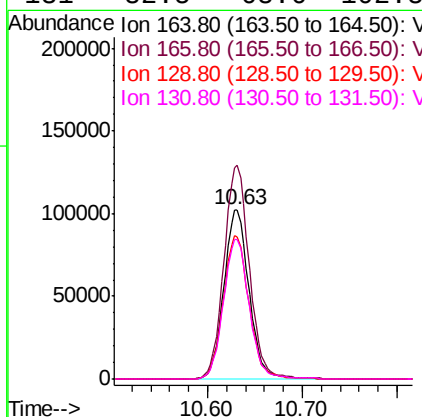
Manual Integrations
APPROVED

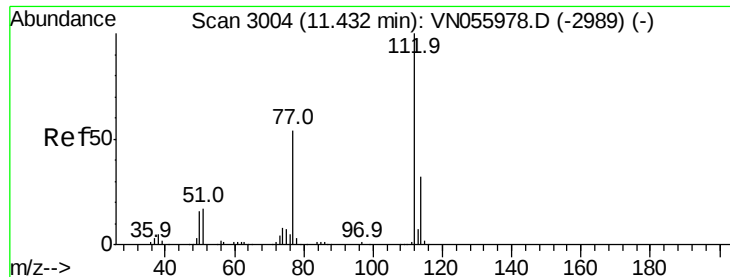
MMDadoda
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#64
Tetrachloroethene
Concen: 46.752 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	103.0	154.6
129	84.4	70.6	105.8
131	82.5	68.6	102.8





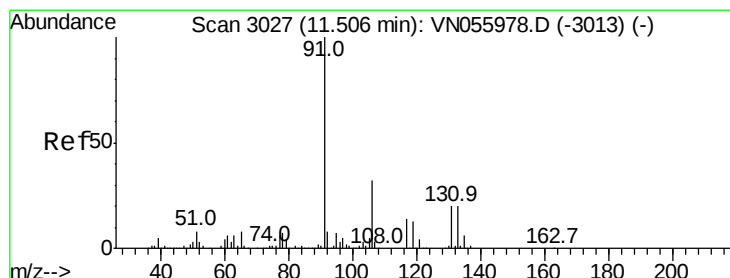
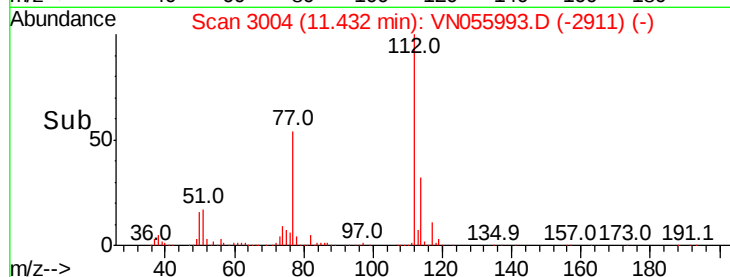
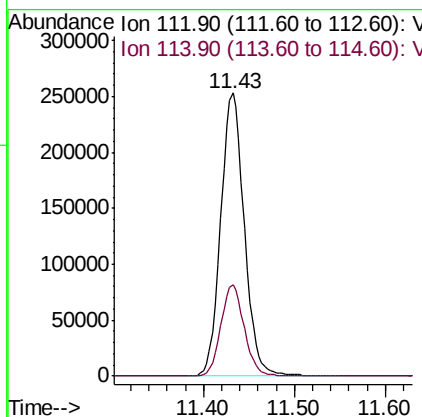
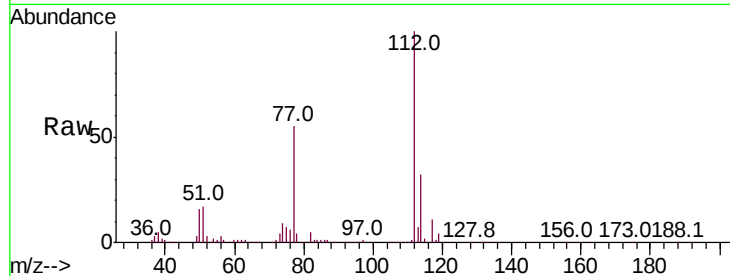
#65
Chlorobenzene
Concen: 49.010 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	26.2	39.4

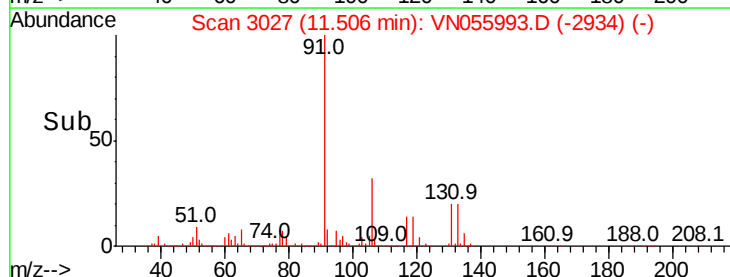
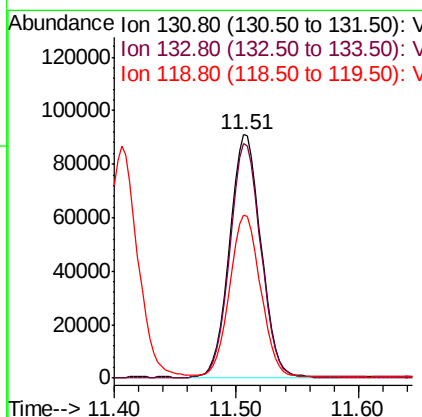
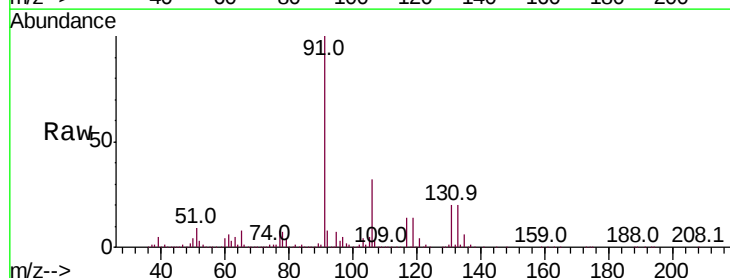
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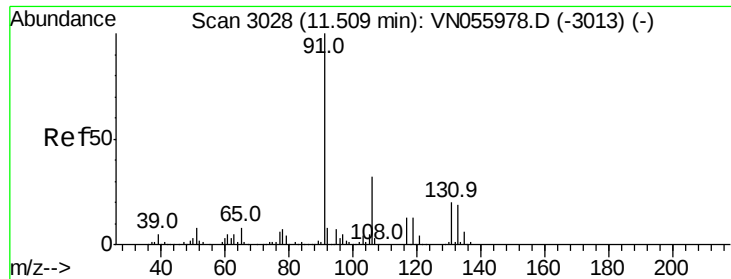
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.581 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	48.0	144.0
119	66.4	33.1	99.5





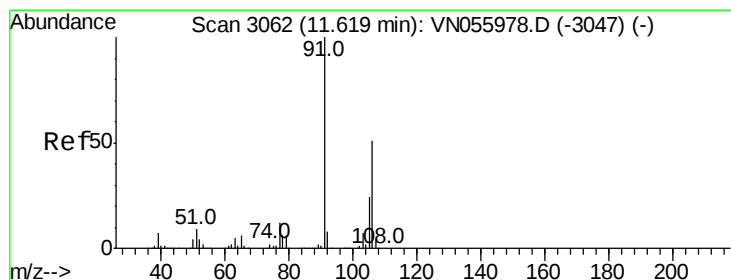
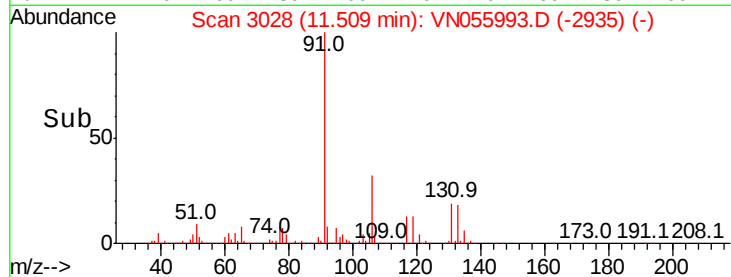
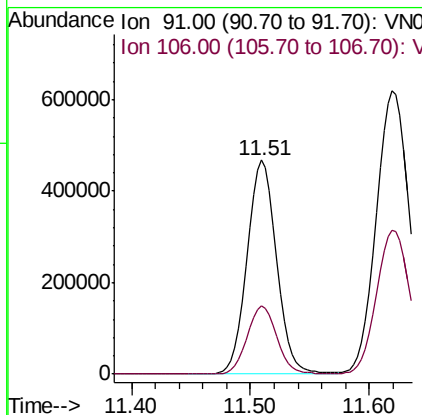
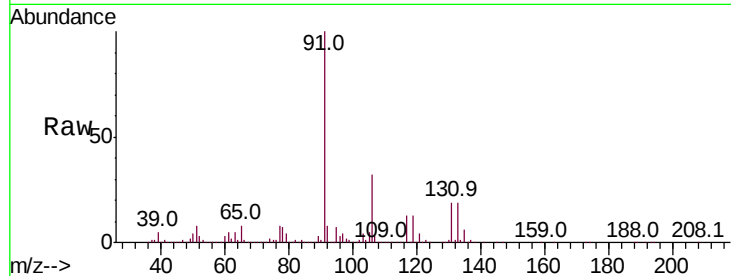
#67
Ethyl Benzene
Concen: 49.648 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 802152
Ion Ratio Lower Upper
91 100
106 31.7 25.1 37.7

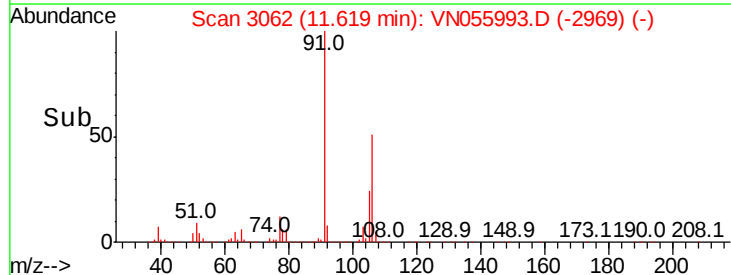
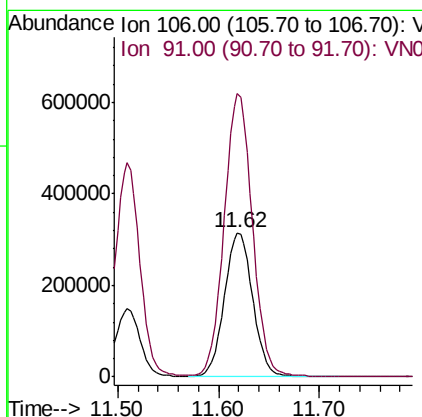
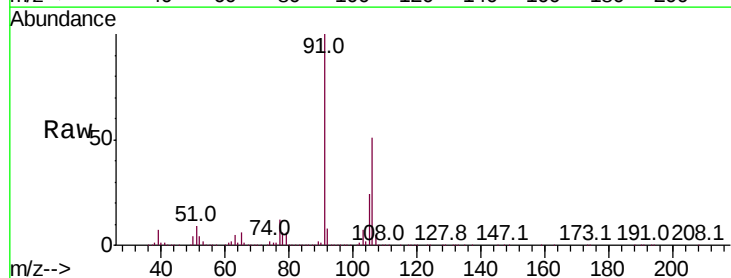
Manual Integrations
APPROVED

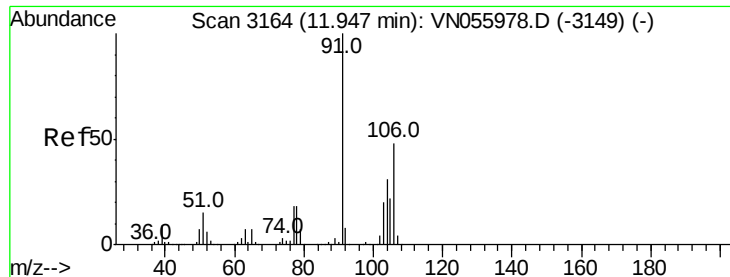
MMDadoda
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#68
m/p-Xylenes
Concen: 99.896 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Tgt Ion: 106 Resp: 616565
Ion Ratio Lower Upper
106 100
91 195.9 159.3 238.9





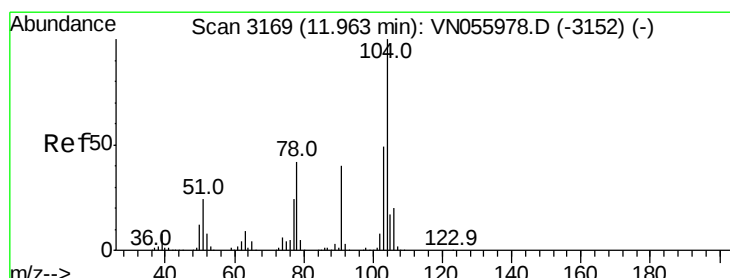
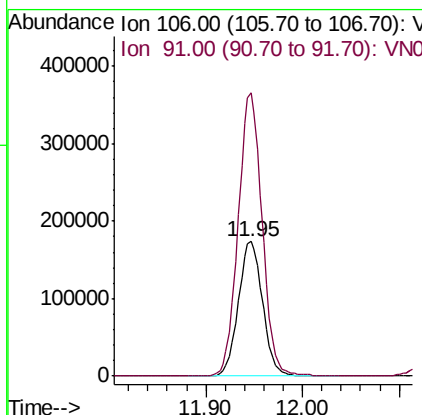
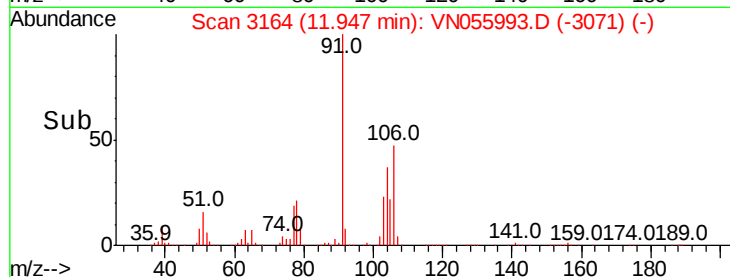
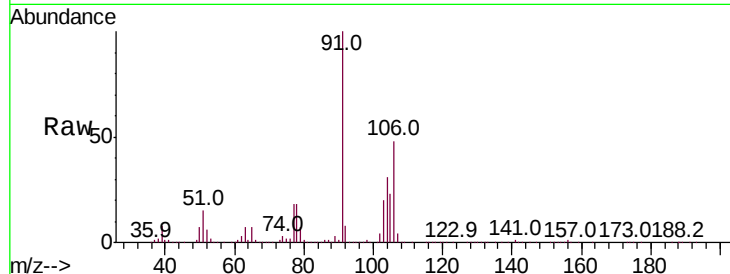
#69
o-Xylene
Concen: 49.472 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 300356
Ion Ratio Lower Upper
106 100
91 207.7 104.7 314.1

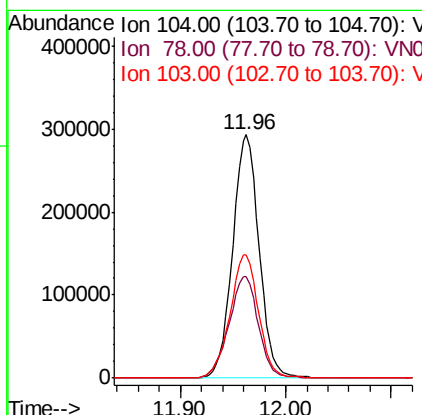
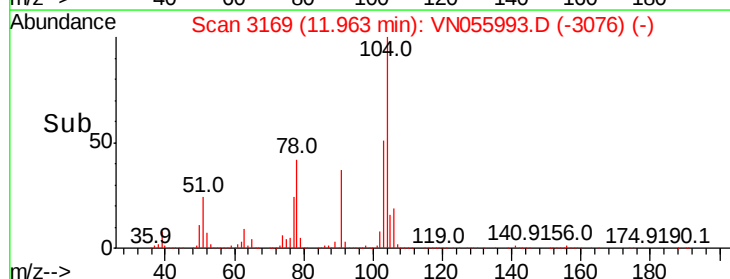
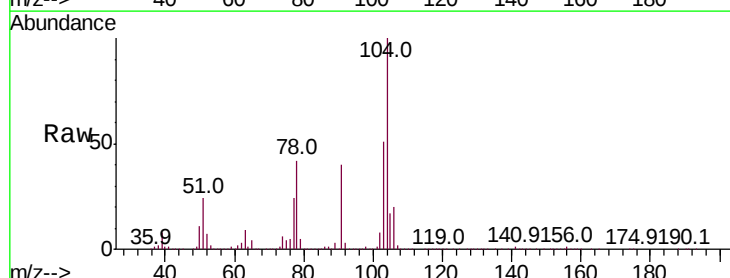
Manual Integrations
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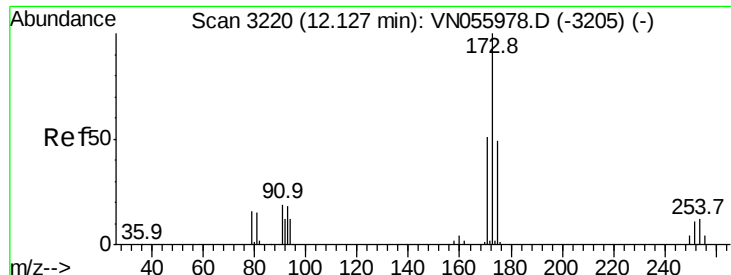
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#70
Styrene
Concen: 52.465 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Tgt Ion:104 Resp: 506099
Ion Ratio Lower Upper
104 100
78 46.3 37.8 56.6
103 55.1 44.2 66.2





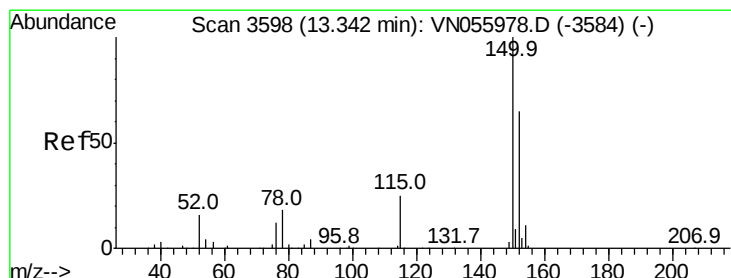
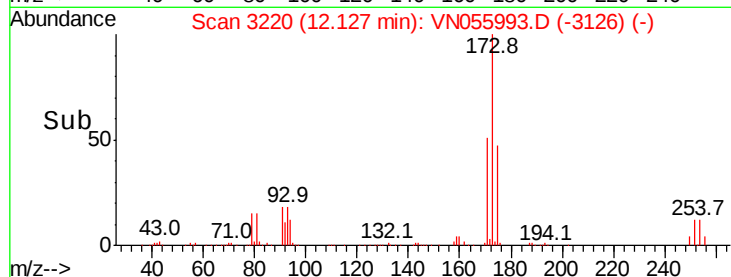
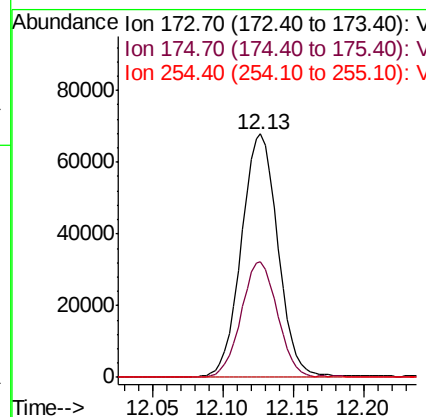
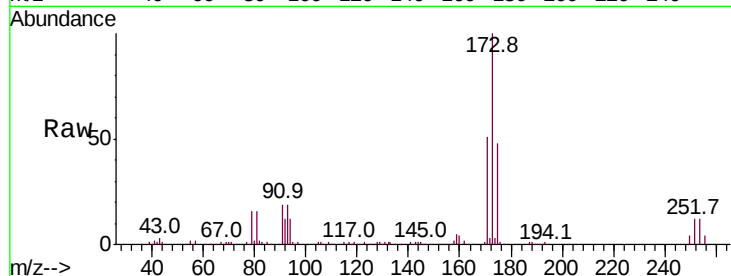
#71
Bromoform
Concen: 45.673 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.3	72.8
254	0.0	0.0	0.0

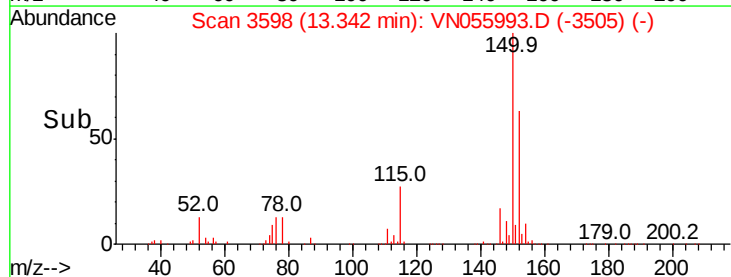
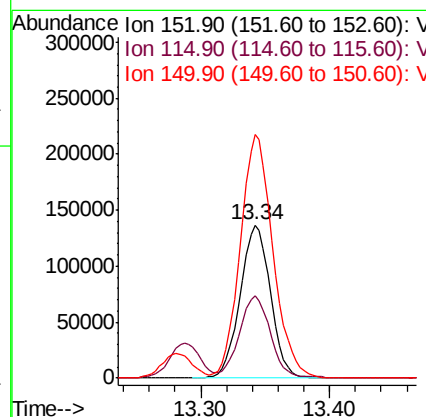
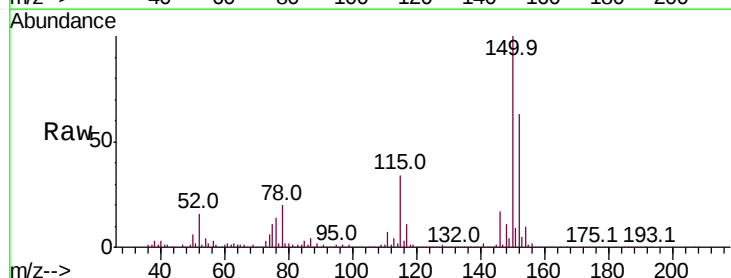
Manual Integrations
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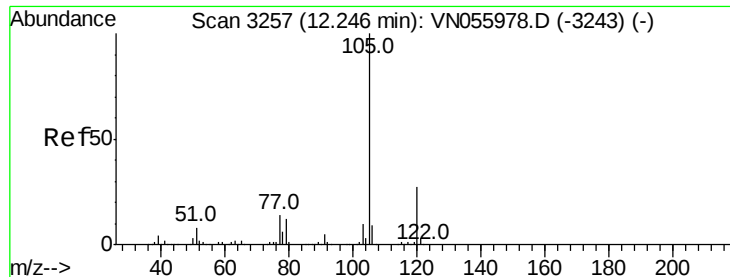
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.1	27.0	81.0
150	172.9	0.0	343.2





#73

Isopropylbenzene

Concen: 50.474 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 795116

Ion Ratio Lower Upper

105 100

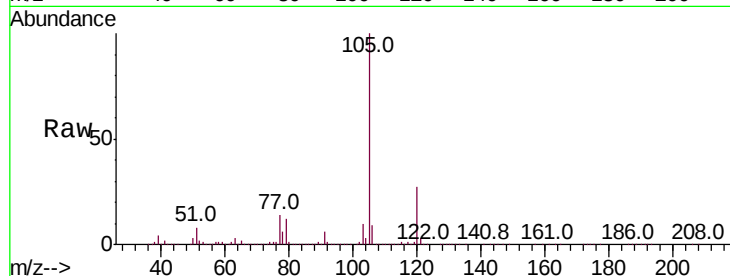
120 27.5 13.6 40.7

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

500000

400000

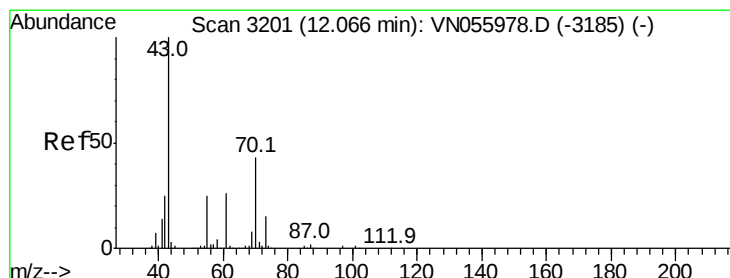
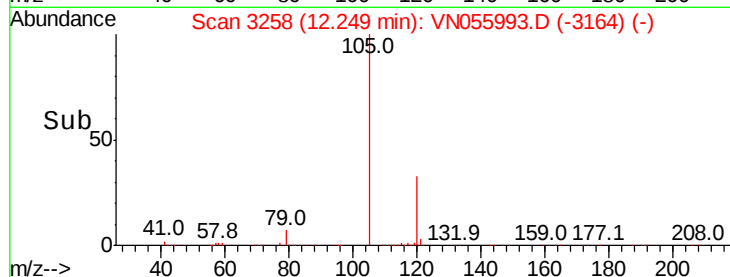
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 48.654 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Tgt Ion: 43 Resp: 286761

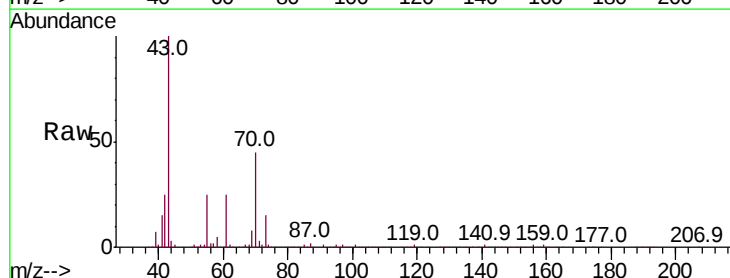
Ion Ratio Lower Upper

43 100

70 44.7 34.0 51.0

55 24.4 18.6 28.0

61 25.7 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

250000

200000

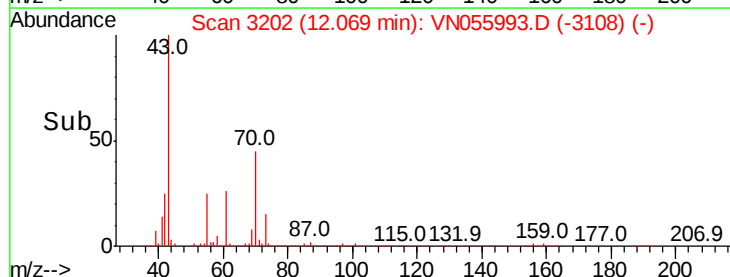
150000

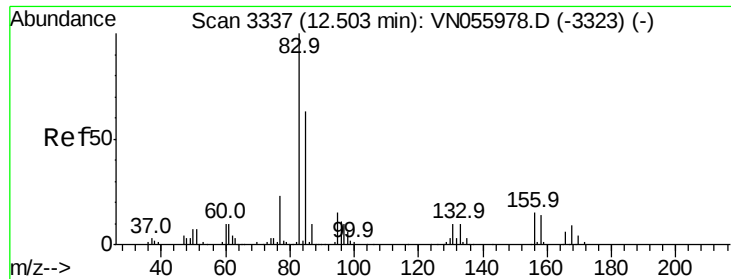
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 45.187 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 231932

Ion Ratio Lower Upper

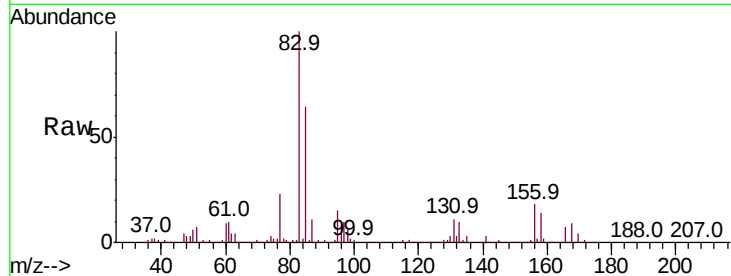
83 100

131 11.0 5.4 16.2

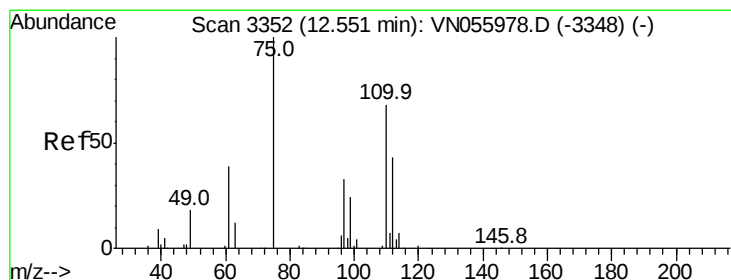
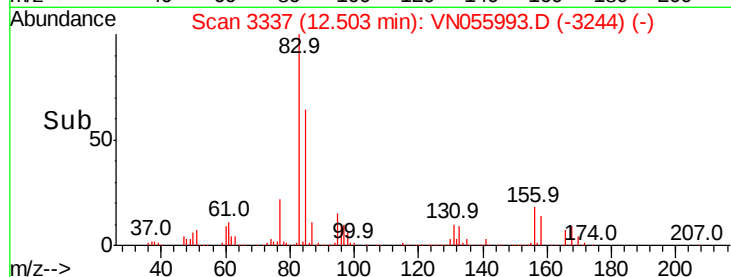
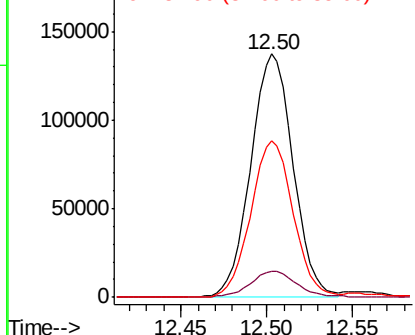
85 64.8 32.4 97.0

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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: 45.970 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055993.D

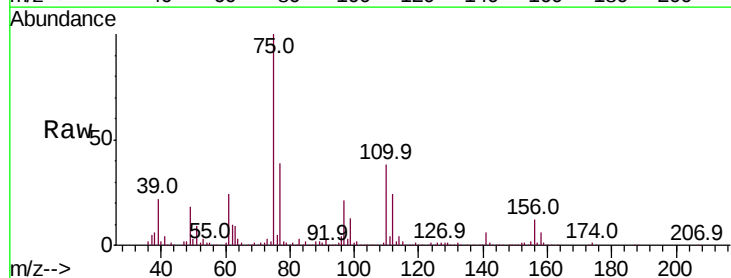
Acq: 4 Jun 2019 16:05

Tgt Ion: 75 Resp: 187024

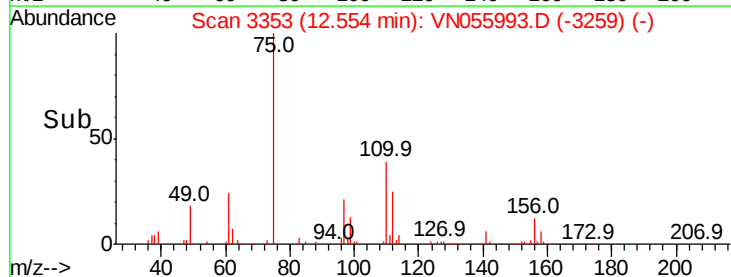
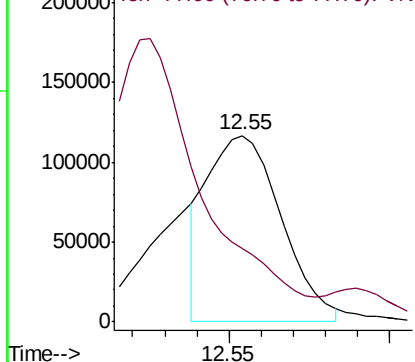
Ion Ratio Lower Upper

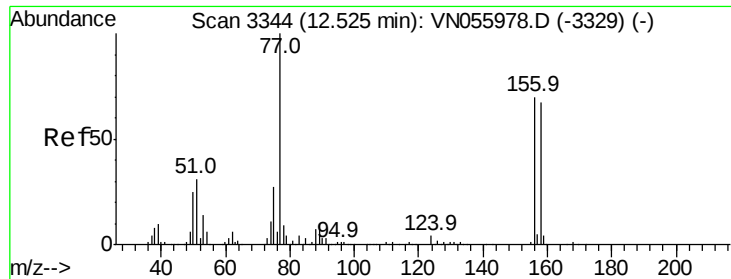
75 100

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: 55.632 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 263348

Ion Ratio Lower Upper

156 100

77 143.3 90.8 272.5

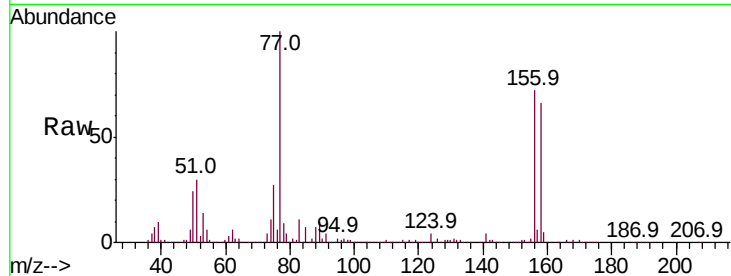
158 79.4 49.3 147.8

Manual Integrations

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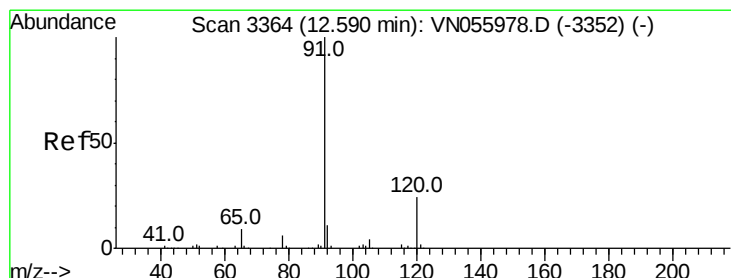
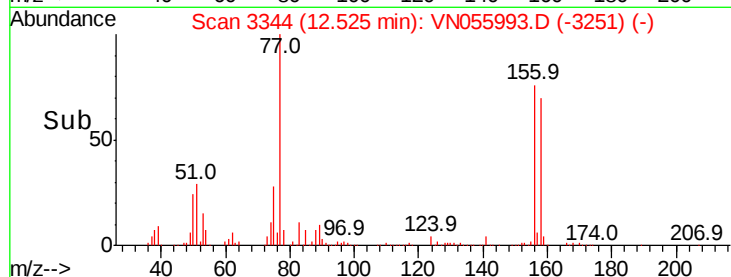
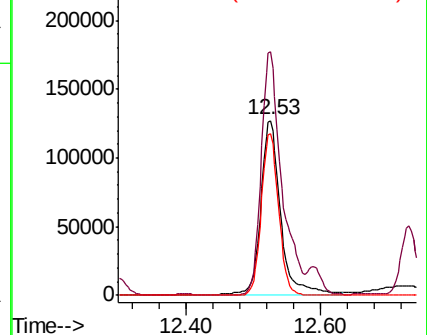
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.479 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055993.D

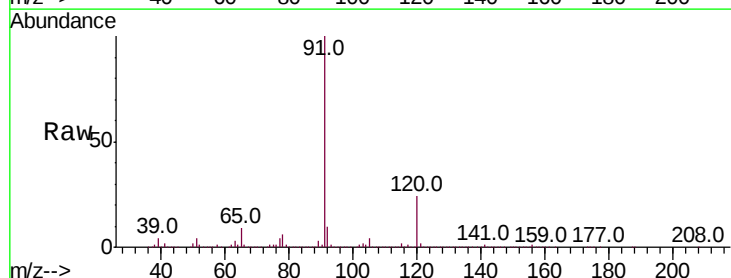
Acq: 4 Jun 2019 16:05

Tgt Ion: 91 Resp: 869399

Ion Ratio Lower Upper

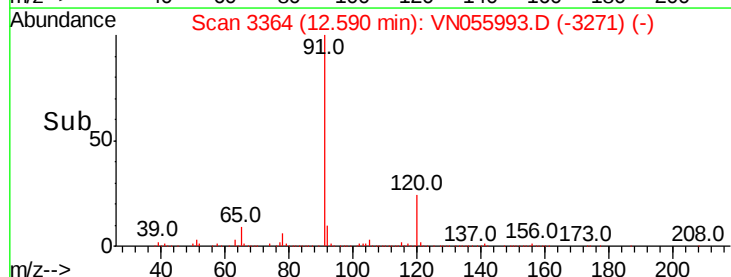
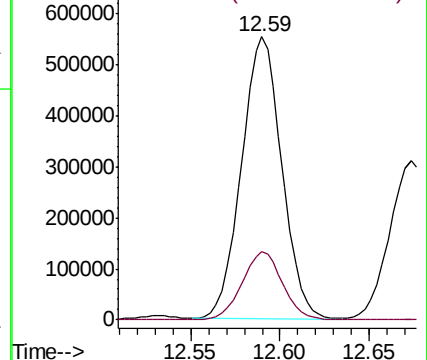
91 100

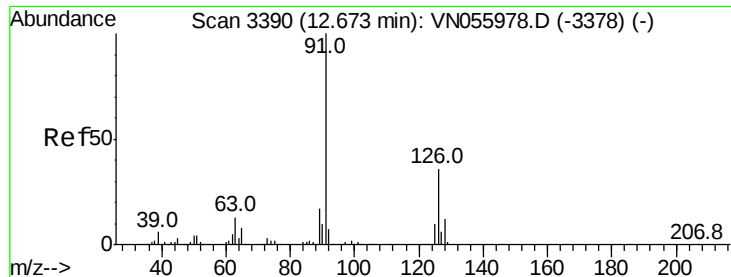
120 24.3 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.748 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 516266

Ion Ratio Lower Upper

91 100

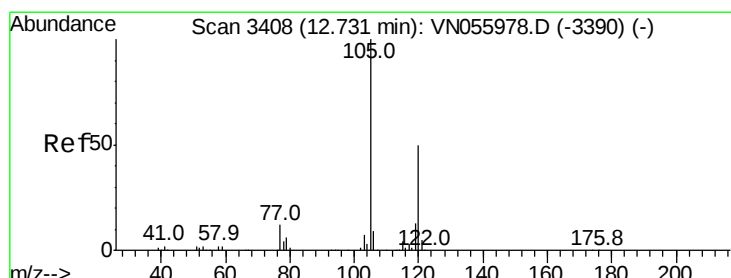
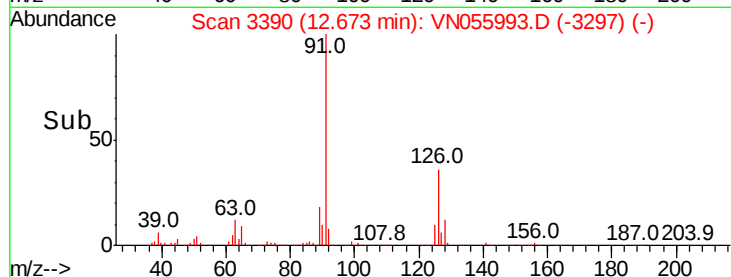
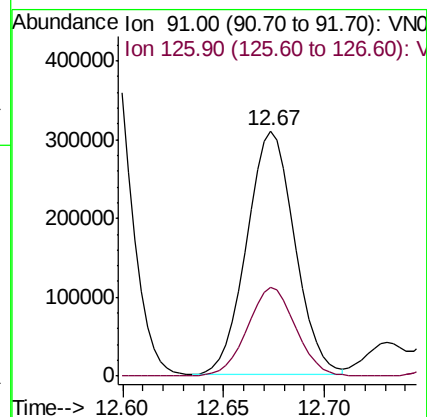
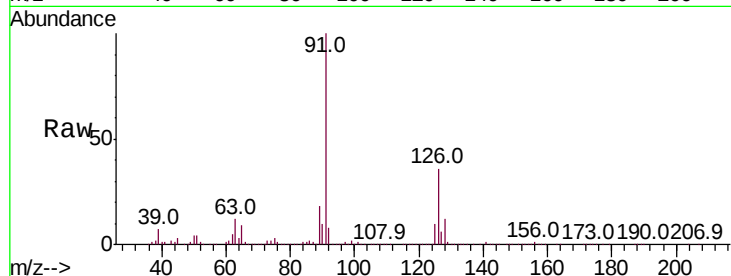
126 36.7 18.1 54.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 44.994 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055993.D

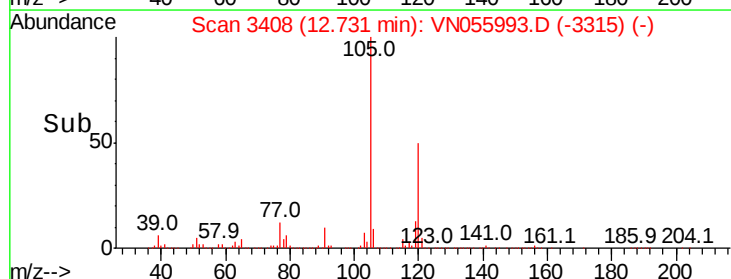
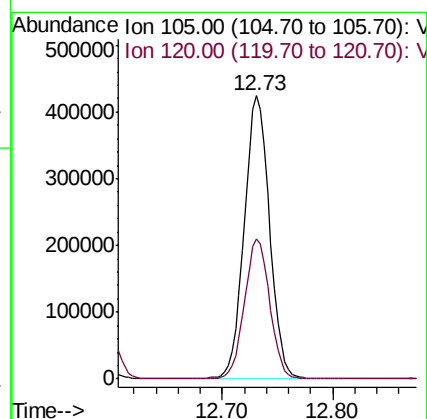
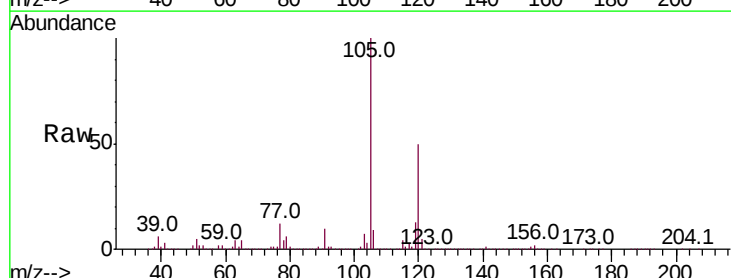
Acq: 4 Jun 2019 16:05

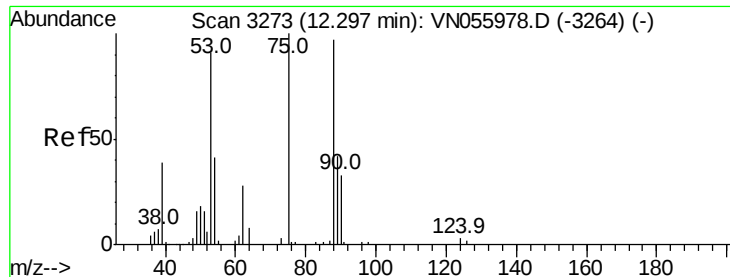
Tgt Ion: 105 Resp: 668890

Ion Ratio Lower Upper

105 100

120 49.6 24.7 74.1





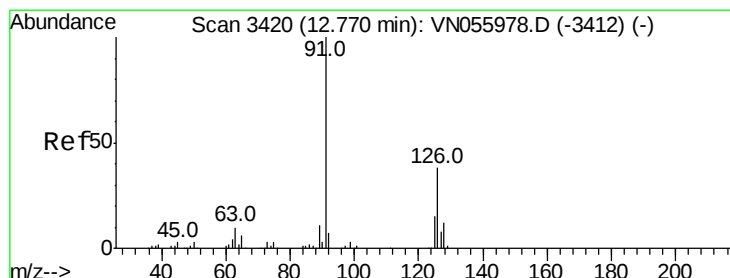
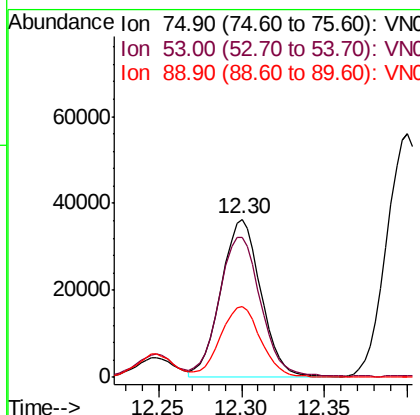
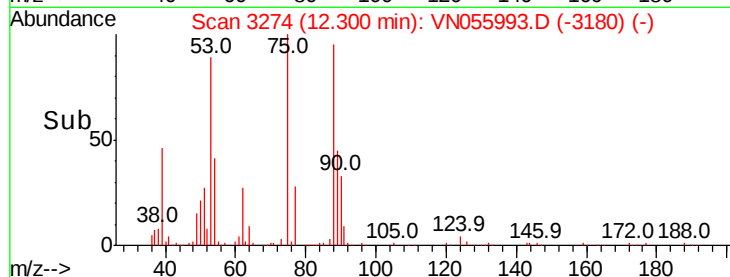
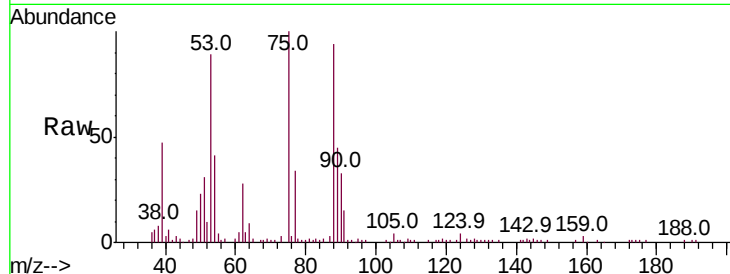
#81
trans-1,4-Dichloro-2-butene
Concen: 50.095 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.6	68.1	102.1
89	45.2	36.9	55.3

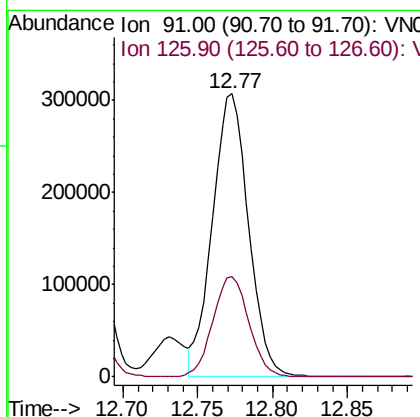
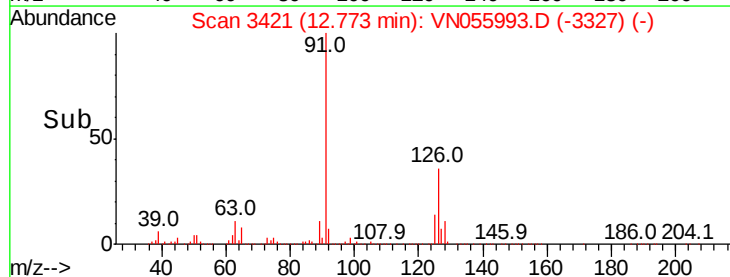
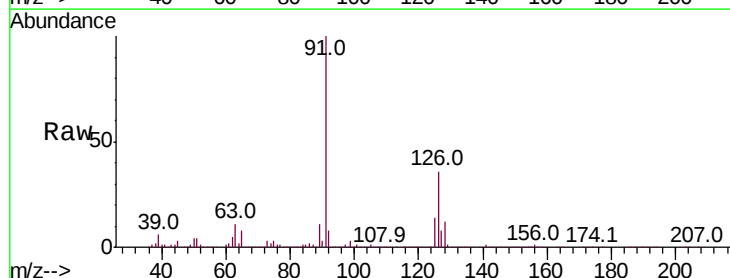
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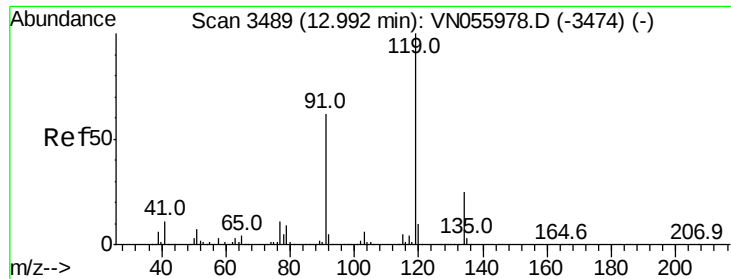
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#82
4-Chlorotoluene
Concen: 46.784 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.8	53.3





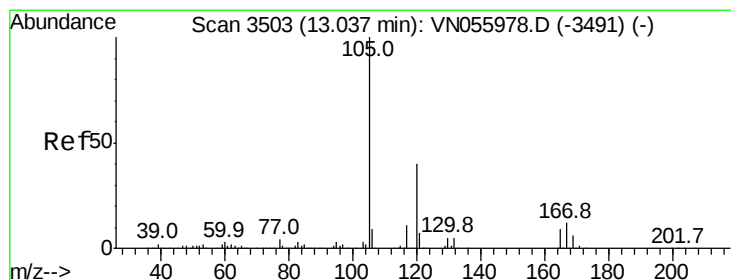
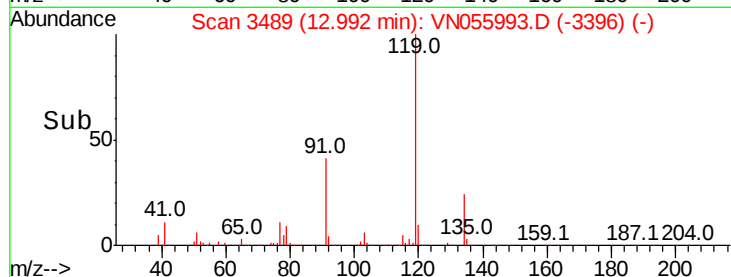
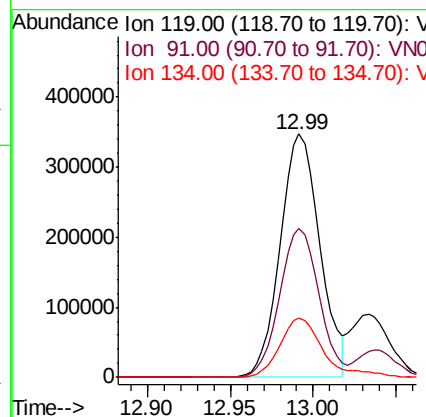
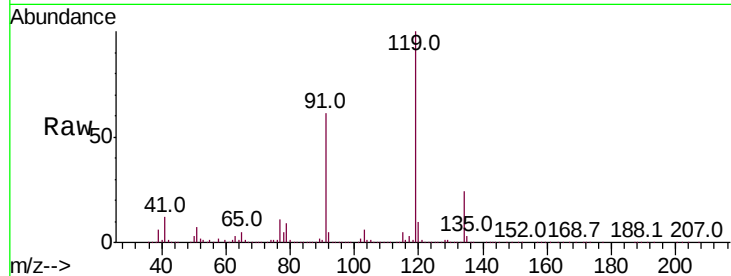
#83
tert-Butylbenzene
Concen: 50.121 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.7	30.9	92.8
134	26.7	13.3	39.8

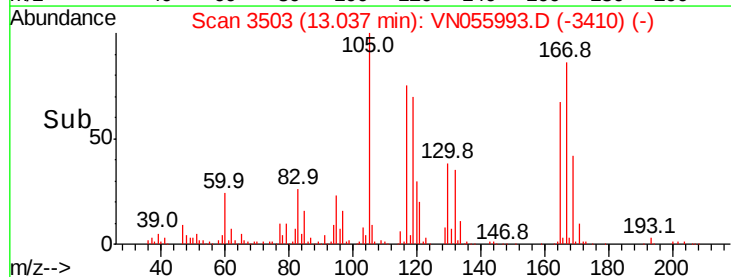
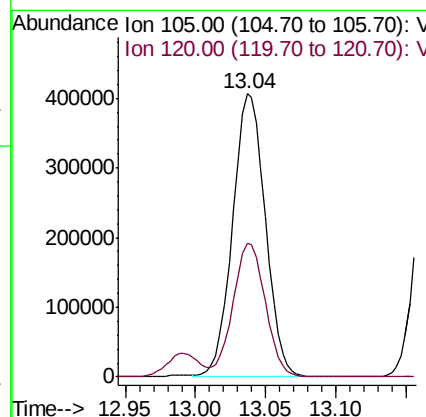
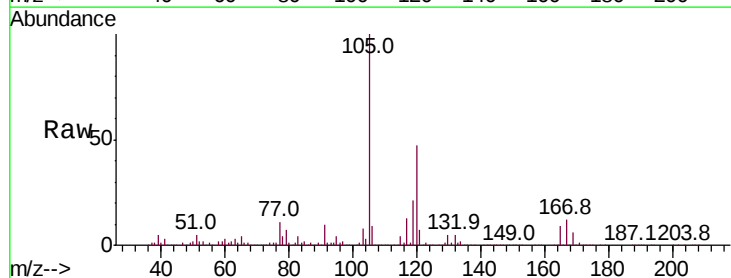
Manual Integrations
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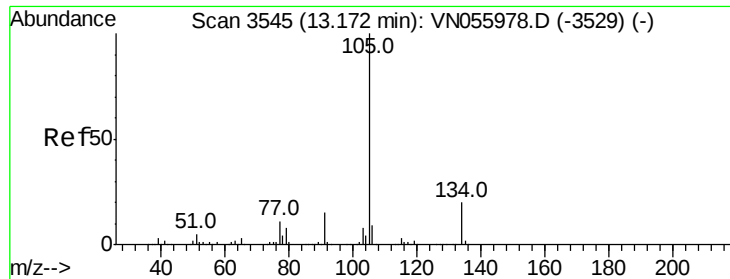
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#84
1,2,4-Trimethylbenzene
Concen: 46.569 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.0	69.0





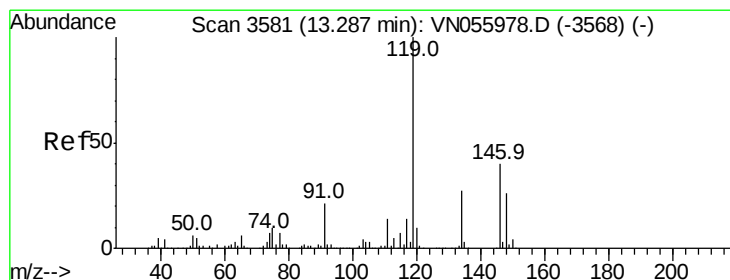
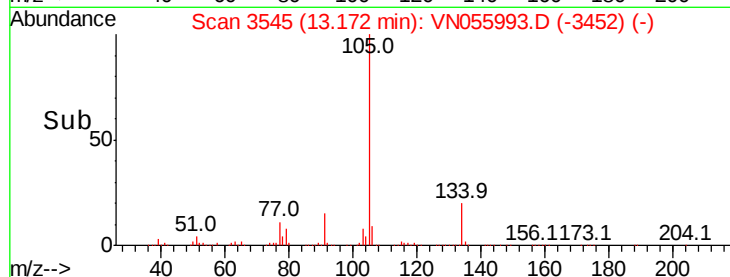
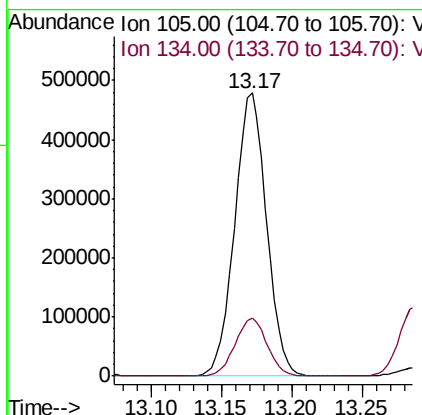
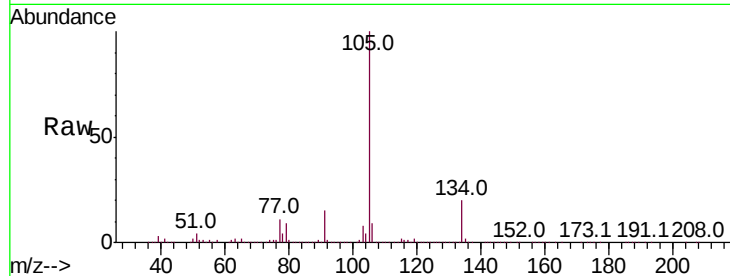
#85
 sec-Butylbenzene
 Concen: 45.540 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055993.D
 Acq: 4 Jun 2019 16:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.4	31.2

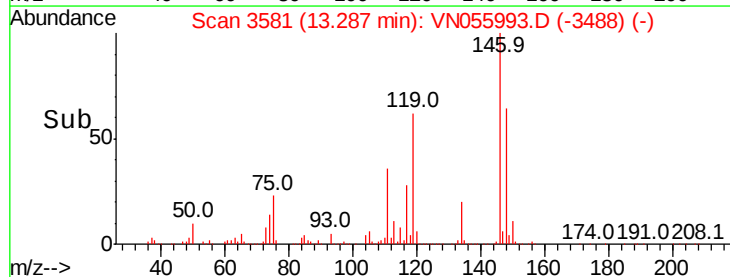
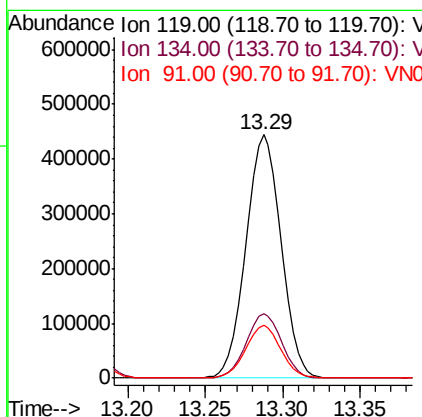
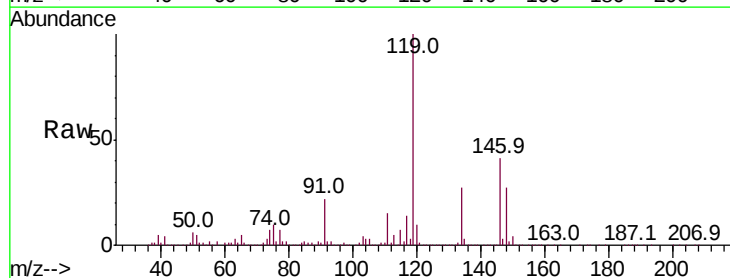
Manual Integrations
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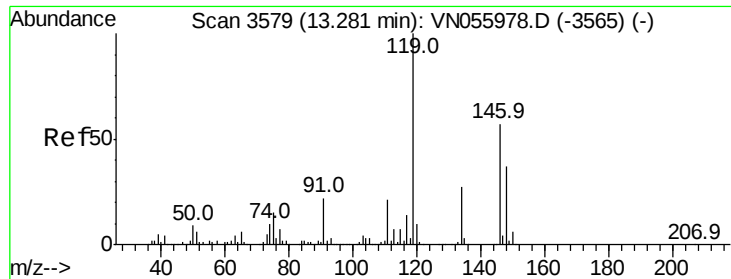
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#86
 p-Isopropyltoluene
 Concen: 47.238 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055993.D
 Acq: 4 Jun 2019 16:05

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.4	40.1
91	21.2	10.9	32.9





#87

1,3-Dichlorobenzene

Concen: 48.423 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055993.D

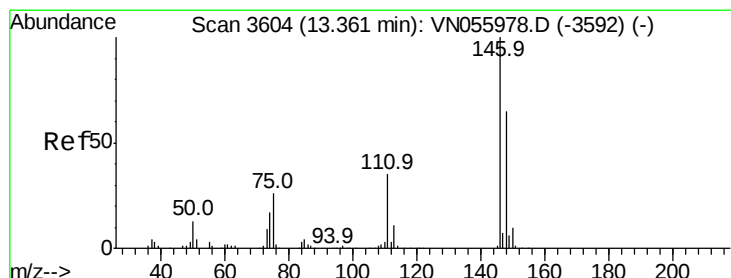
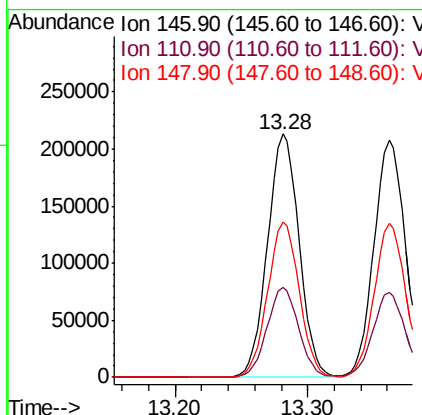
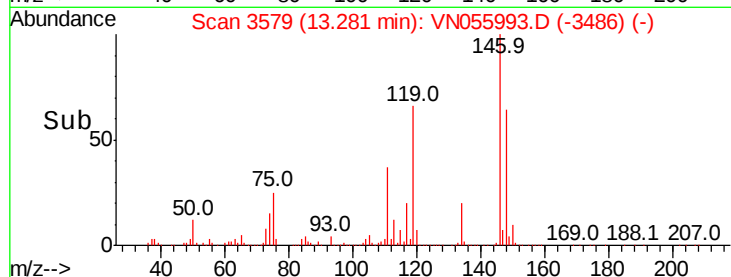
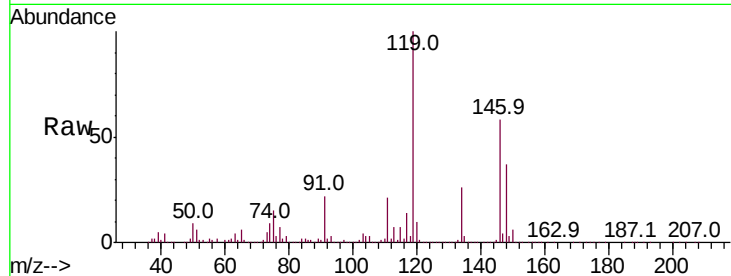
Acq: 4 Jun 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.5	55.5
148	63.9	32.0	96.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.678 ug/l

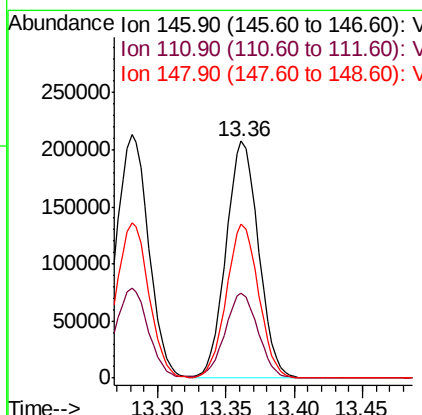
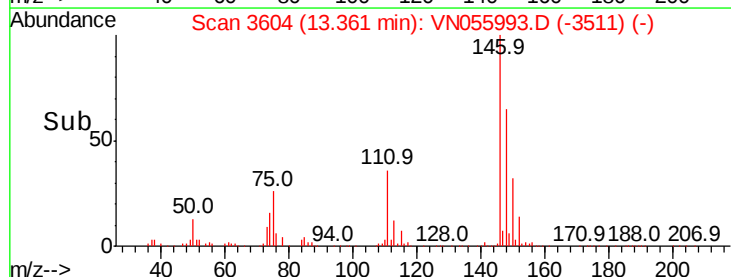
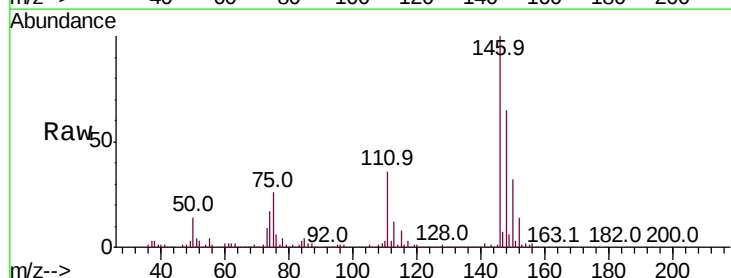
RT: 13.36 min Scan# 3604

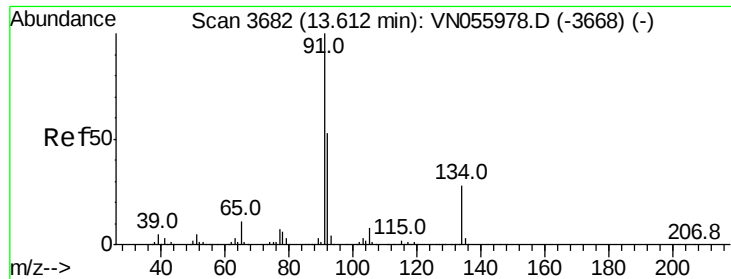
Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.1	54.4
148	64.8	32.1	96.5





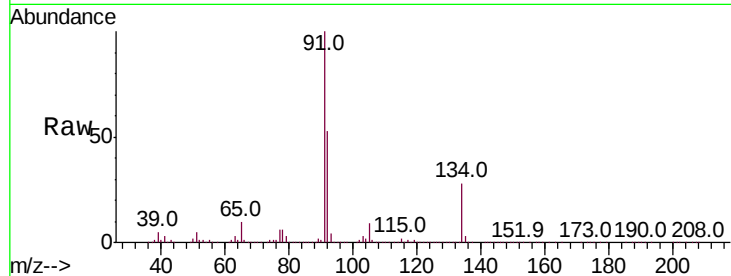
#89
n-Butylbenzene
Concen: 52.002 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.4	79.0
134	28.0	13.9	41.7

Manual Integrations
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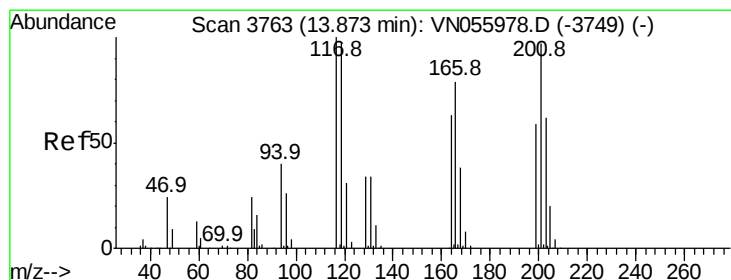
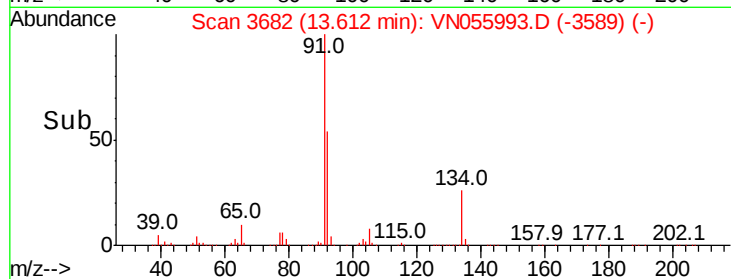
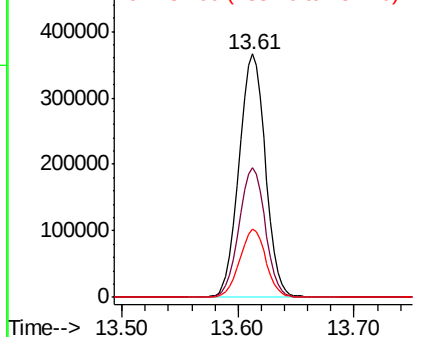


Abundance

Ion 91.00 (90.70 to 91.70): VN055978.D (-3668) (-)

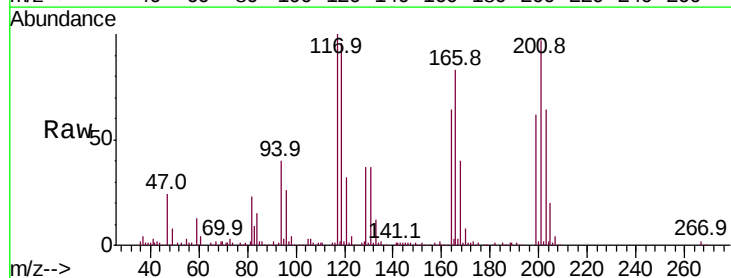
Ion 92.00 (91.70 to 92.70): VN055978.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN055978.D (-3668) (-)



#90
Hexachloroethane
Concen: 45.586 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055993.D
Acq: 4 Jun 2019 16:05

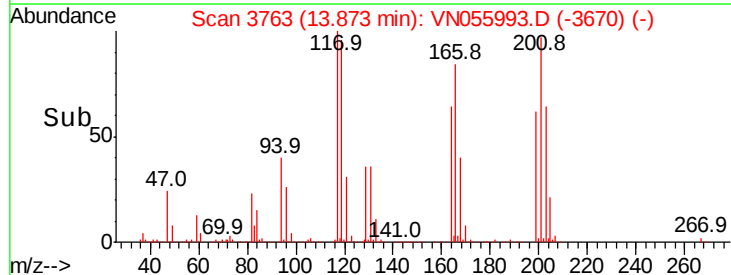
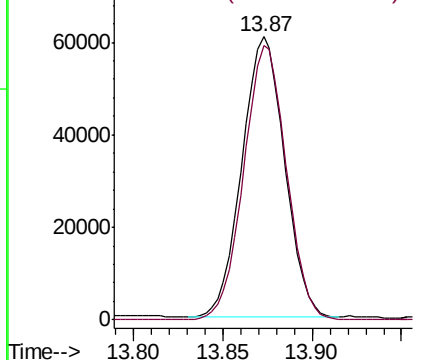
Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.4	50.0	150.0

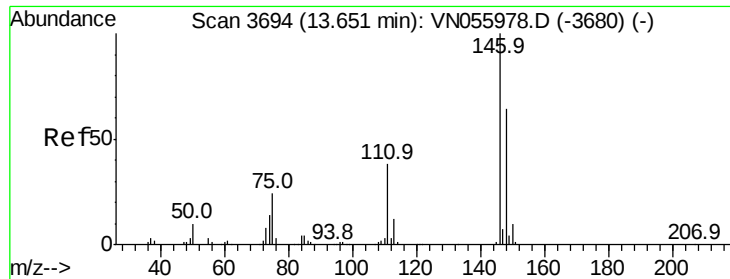


Abundance

Ion 116.80 (116.50 to 117.50): VN055978.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN055978.D (-3749) (-)





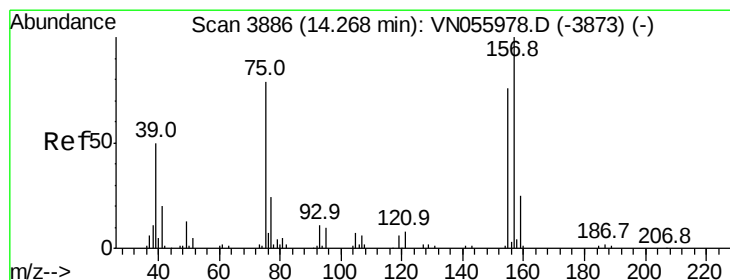
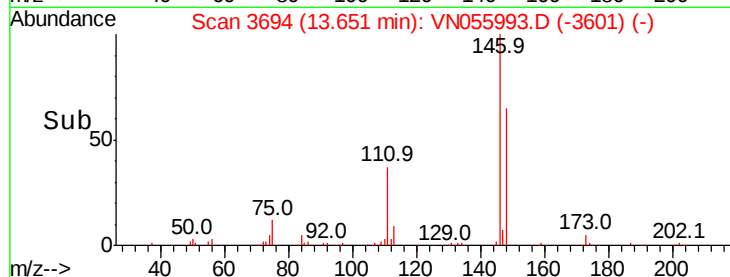
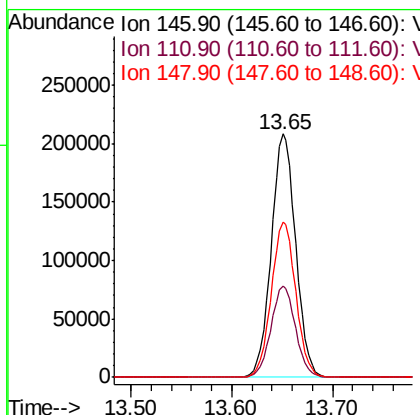
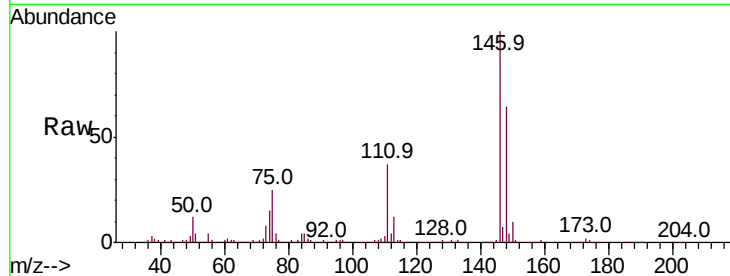
#91
 1,2-Dichlorobenzene
 Concen: 47.355 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055993.D
 Acq: 4 Jun 2019 16:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.1	57.5
148	64.3	31.9	95.9

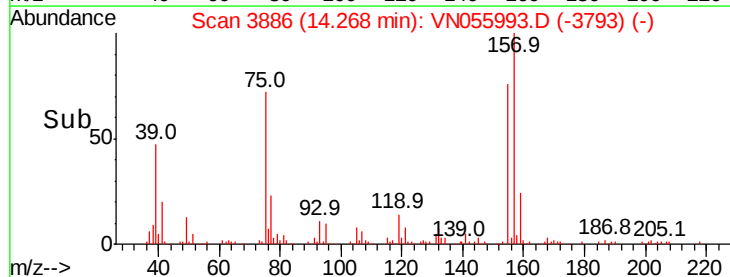
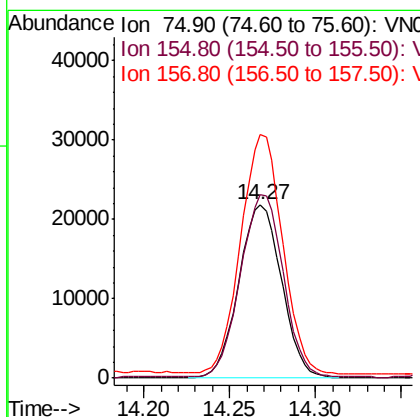
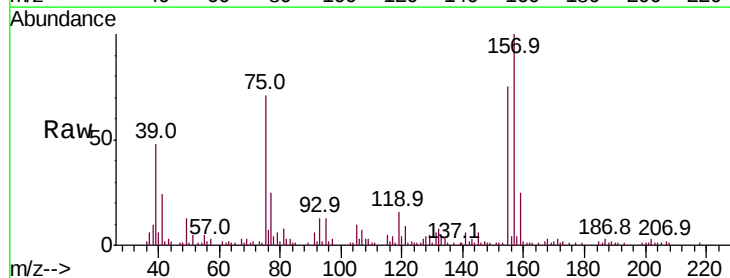
Manual Integrations
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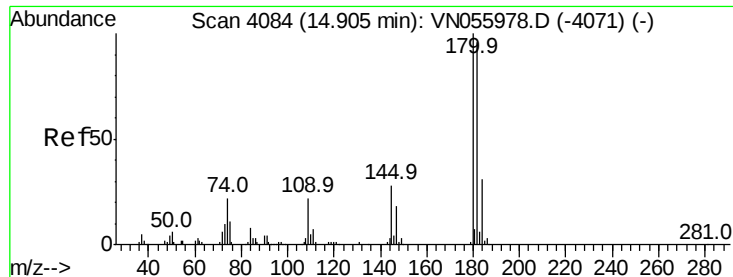
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.286 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055993.D
 Acq: 4 Jun 2019 16:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	108.1	50.0	150.1
157	136.0	64.8	194.3





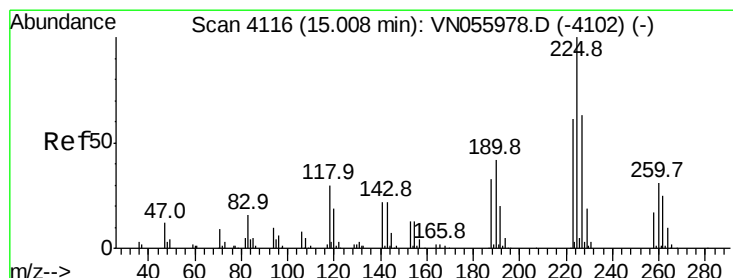
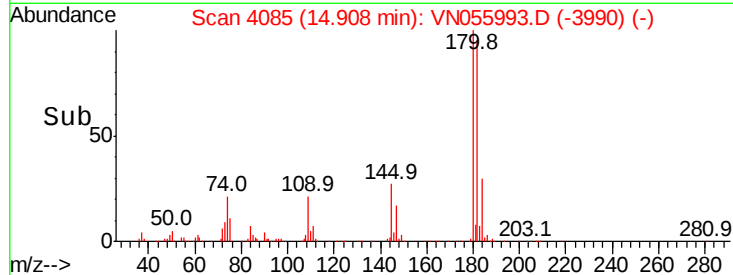
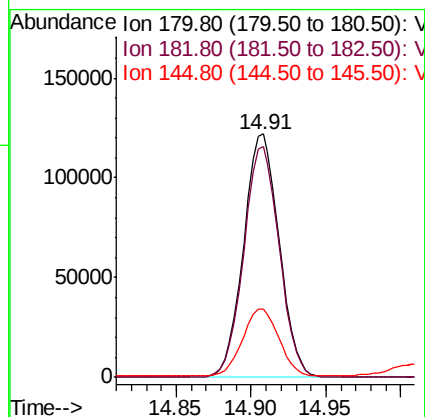
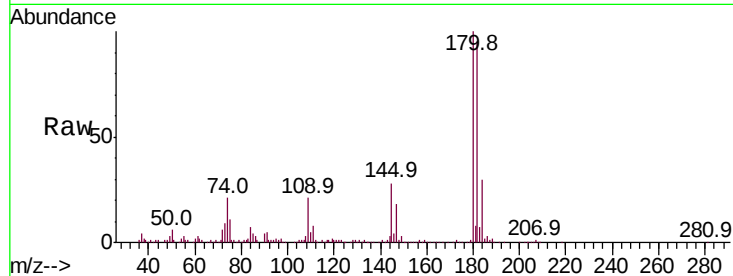
#93
 1,2,4-Trichlorobenzene
 Concen: 49.517 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055993.D
 Acq: 4 Jun 2019 16:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	201654		
182	94.7	48.3	144.9	
145	27.8	14.0	41.9	

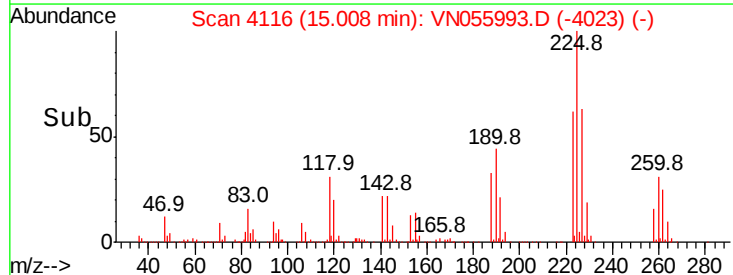
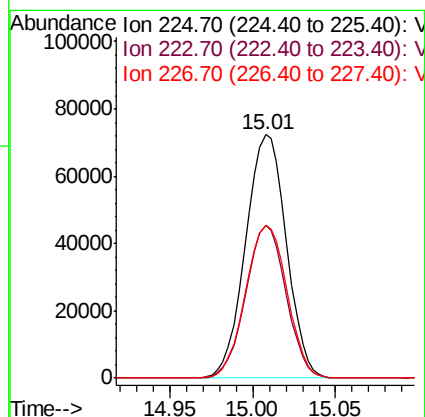
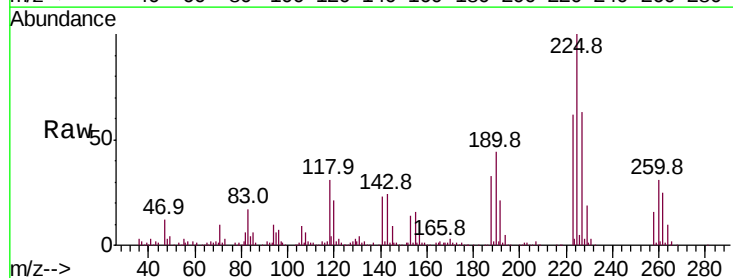
Manual Integrations
 APPROVED

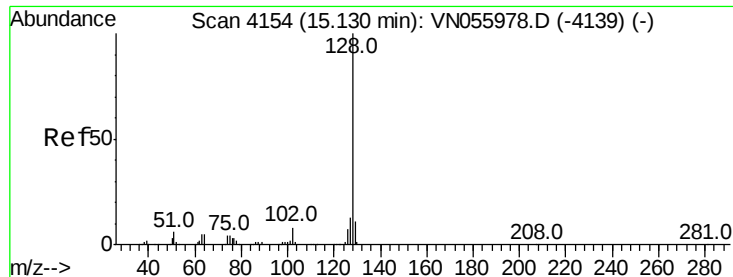
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 48.663 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055993.D
 Acq: 4 Jun 2019 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	123600		
223	61.9	30.9	92.7	
227	64.1	31.6	94.7	





#95

Naphthalene

Concen: 52.058 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Instrument :

MSVOA_N

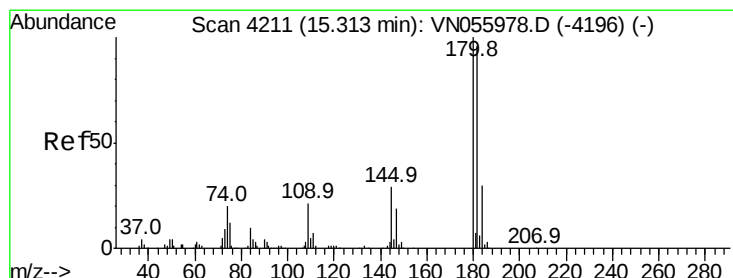
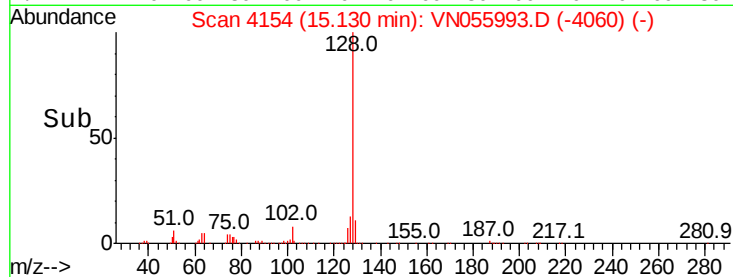
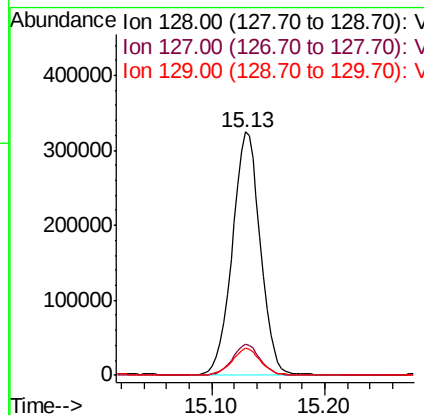
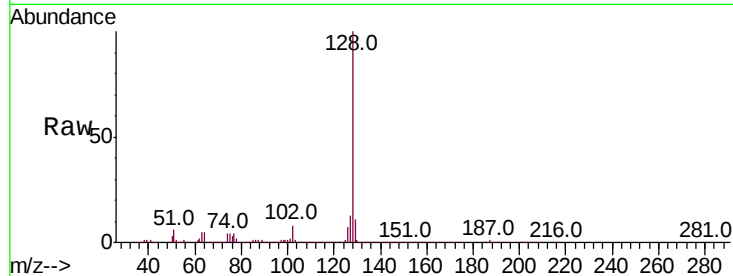
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	552350
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.3	15.5
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/5/2019 4:04:09 PM



#96

1,2,3-Trichlorobenzene

Concen: 49.700 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN055993.D

Acq: 4 Jun 2019 16:05

Tgt Ion:	180	Resp:	206381
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.9	143.7
145	31.5	14.9	44.7

