

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053119\
 Data File : VN055933.D
 Acq On : 31 May 2019 21:25
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/3/2019 4:12:26 PM

Quant Time: Jun 03 08:55:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	296174	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	457898	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	406867	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	174273	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	169951	55.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.12%	
35) Dibromofluoromethane	7.59	113	148789	51.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.80%	
50) Toluene-d8	10.09	98	556953	50.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.30%	
62) 4-Bromofluorobenzene	12.40	95	189872	49.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.72%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	91115	45.711	ug/l	100
3) Chloromethane	2.06	50	130830	46.846	ug/l	100
4) Vinyl Chloride	2.18	62	141712	47.574	ug/l	99
5) Bromomethane	2.52	94	97455	52.295	ug/l	98
6) Chloroethane	2.68	64	93336	52.044	ug/l	100
7) Trichlorofluoromethane	3.00	101	196475	50.310	ug/l	97
8) Diethyl Ether	3.40	74	91204	52.107	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	125694	51.561	ug/l	99
10) Methyl Iodide	3.94	142	186467	52.319	ug/l	99
11) Tert butyl alcohol	4.82	59	146189	250.150	ug/l	98
12) 1,1-Dichloroethene	3.72	96	123803	49.150	ug/l	99
13) Acrolein	3.60	56	93211	222.748	ug/l	98
14) Allyl chloride	4.31	41	209357	48.484	ug/l	99
15) Acrylonitrile	4.99	53	374808	279.302	ug/l	99
16) Acetone	3.82	43	314338	233.793	ug/l	100
17) Carbon Disulfide	4.04	76	270195	37.755	ug/l	99
18) Methyl Acetate	4.32	43	165883	60.965	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	444409	52.901	ug/l	99
20) Methylene Chloride	4.54	84	151966	52.190	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	134564	49.726	ug/l	97
22) Diisopropyl ether	5.95	45	454932	54.168	ug/l	98
23) Vinyl Acetate	5.90	43	1870504	259.763	ug/l	100
24) 1,1-Dichloroethane	5.84	63	255736	52.299	ug/l	100
25) 2-Butanone	6.84	43	503841	268.325	ug/l	100
26) 2,2-Dichloropropane	6.82	77	172844	40.842	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	168340	53.320	ug/l	98
28) Bromochloromethane	7.19	49	128381	55.143	ug/l	99
29) Tetrahydrofuran	7.22	42	329413	277.025	ug/l	100
30) Chloroform	7.37	83	262444	53.817	ug/l	98
31) Cyclohexane	7.65	56	223184	48.614	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	219106	50.349	ug/l	100
36) 1,1-Dichloropropene	7.79	75	185169	46.404	ug/l	100
37) Ethyl Acetate	6.93	43	195088	50.584	ug/l	100
38) Carbon Tetrachloride	7.77	117	183042	44.037	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	224488	45.430	ug/l	100
40) Benzene	8.04	78	602789	50.123	ug/l	100
41) Methacrylonitrile	7.18	41	105163	53.973	ug/l	94
42) 1,2-Dichloroethane	8.12	62	197176	50.175	ug/l	100
43) Isopropyl Acetate	8.17	43	319618	49.324	ug/l #	92
44) Trichloroethene	8.83	130	165287	49.299	ug/l	100
45) 1,2-Dichloropropane	9.12	63	160997	51.382	ug/l	99
46) Dibromomethane	9.21	93	104299	50.756	ug/l	99
47) Bromodichloromethane	9.40	83	199153	47.264	ug/l	99
48) Methyl methacrylate	9.20	41	155625	52.110	ug/l	99
49) 1,4-Dioxane	9.21	88	63251	1019.176	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	995863	260.216	ug/l	100
52) Toluene	10.16	92	379545	50.180	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	207783	46.198	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	237816	47.729	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	157969	52.133	ug/l	99
56) Ethyl methacrylate	10.43	69	237011	50.612	ug/l	99
57) 1,3-Dichloropropane	10.71	76	256170	52.011	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	429974	240.260	ug/l	99
59) 2-Hexanone	10.75	43	675462	248.793	ug/l	99
60) Dibromochloromethane	10.90	129	162119	45.928	ug/l	99
61) 1,2-Dibromoethane	11.00	107	161819	51.486	ug/l	100
64) Tetrachloroethene	10.63	164	168383	49.068	ug/l	100
65) Chlorobenzene	11.43	112	406147	49.865	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	153446	47.236	ug/l	99
67) Ethyl Benzene	11.51	91	715253	48.969	ug/l	100
68) m/p-Xylenes	11.62	106	544601	98.626	ug/l	99
69) o-Xylene	11.95	106	270731	49.417	ug/l	99
70) Styrene	11.96	104	444353	50.086	ug/l	100
71) Bromoform	12.13	173	115727	41.766	ug/l #	100
73) Isopropylbenzene	12.25	105	709509	57.641	ug/l	100
74) N-amyl acetate	12.07	43	254841	54.192	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	213678	58.780	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	175422m	59.027	ug/l	
77) Bromobenzene	12.53	156	184664	49.657	ug/l	100
78) n-propylbenzene	12.59	91	753138	49.723	ug/l	100
79) 2-Chlorotoluene	12.67	91	458007	56.467	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	573347	55.213	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	54083	41.755	ug/l	92
82) 4-Chlorotoluene	12.77	91	443416	49.802	ug/l	99
83) tert-Butylbenzene	12.99	119	508932	56.838	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	571754	55.123	ug/l	100
85) sec-Butylbenzene	13.17	105	654551	56.081	ug/l	99
86) p-Isopropyltoluene	13.29	119	586108	48.428	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	293430	49.831	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	279534	49.930	ug/l	100
89) n-Butylbenzene	13.61	91	446738	48.176	ug/l	100
90) Hexachloroethane	13.87	117	97136	42.167	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	293116	49.893	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34717	44.960	ug/l	99

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Quant Title : SW846 8260
QLast Update : Fri May 24 06:41:54 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	143125	42.900	ug/l	99
94) Hexachlorobutadiene	15.01	225	99117	47.861	ug/l	100
95) Naphthalene	15.13	128	410824	50.960	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	156239	50.310	ug/l	100

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

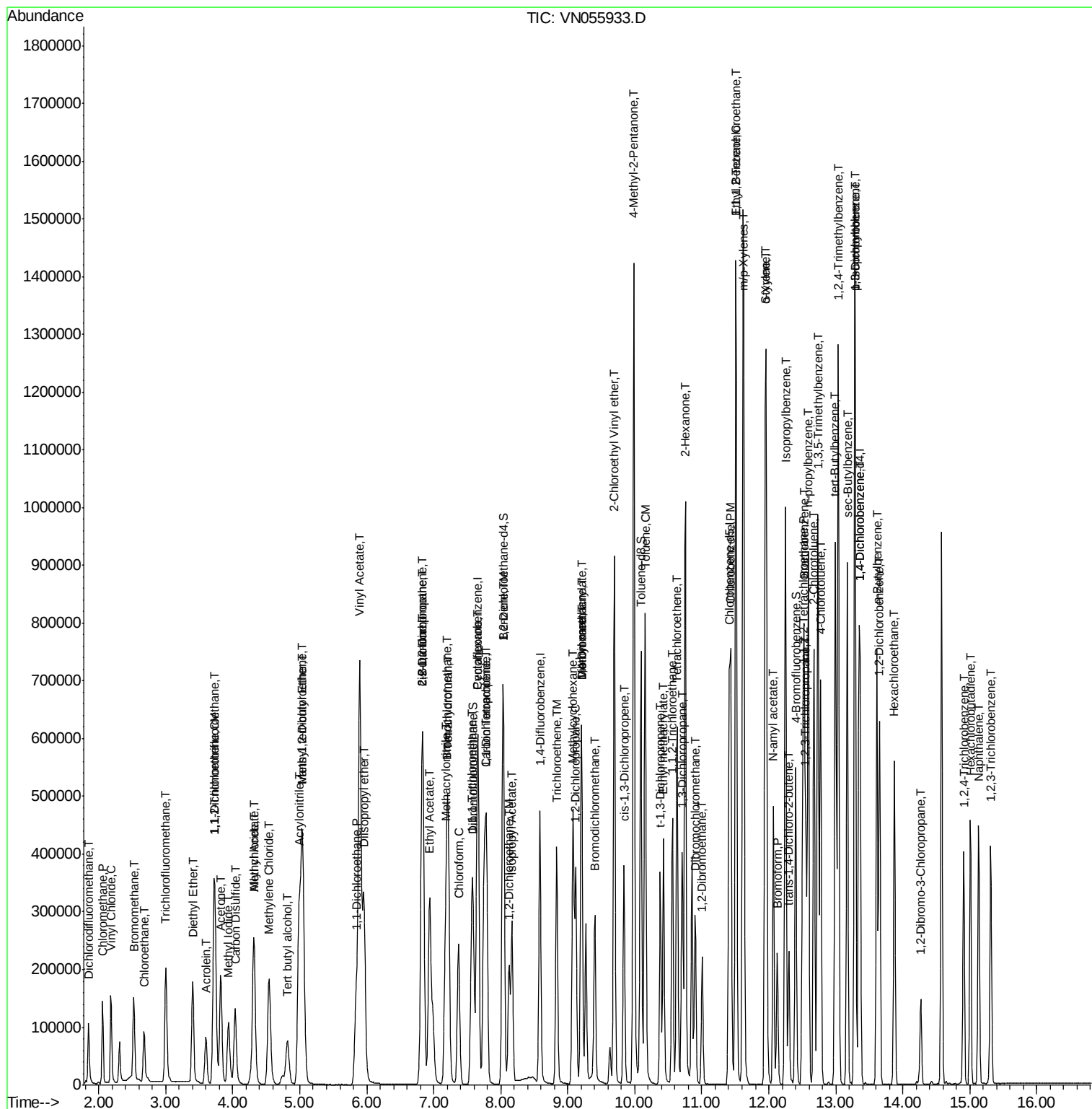
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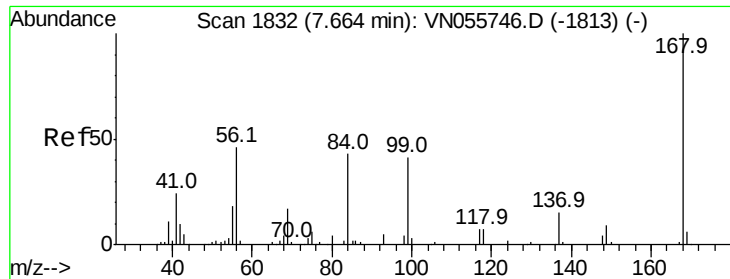
Instrument :
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055933.D

Acq: 31 May 2019 21:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 296174

Ion Ratio Lower Upper

168 100

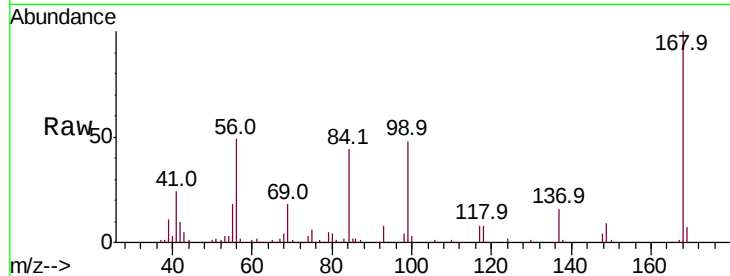
99 47.2 37.2 55.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

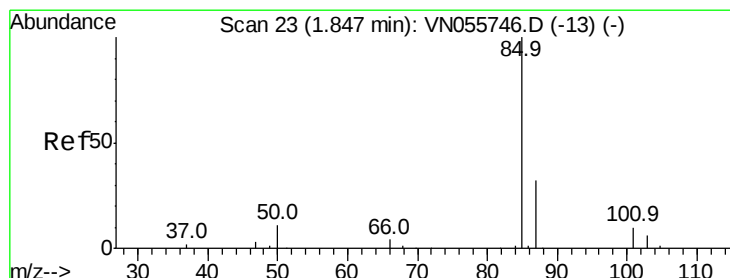
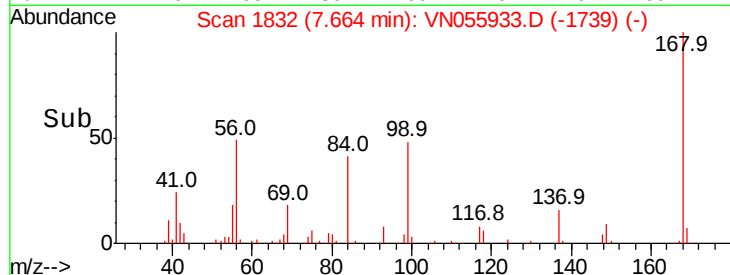
7.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.711 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055933.D

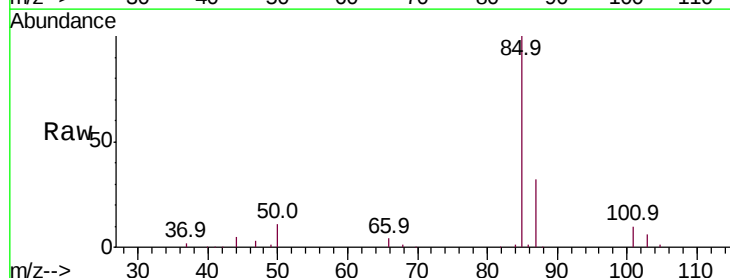
Acq: 31 May 2019 21:25

Tgt Ion: 85 Resp: 91115

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

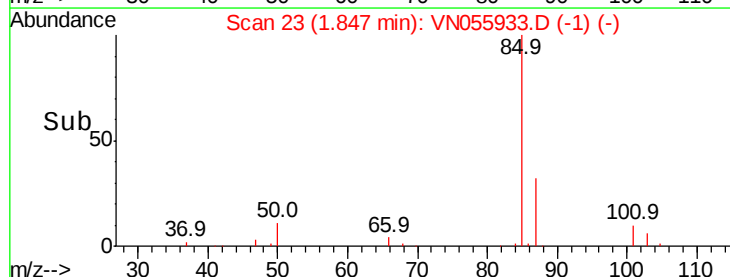
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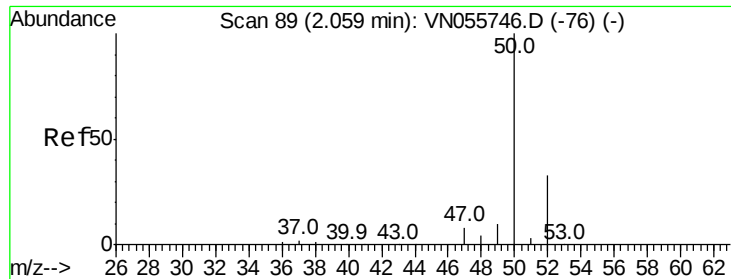
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20000

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Time-->





#3

Chloromethane

Concen: 46.846 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055933.D

Acq: 31 May 2019 21:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 130830

Ion Ratio Lower Upper

50 100

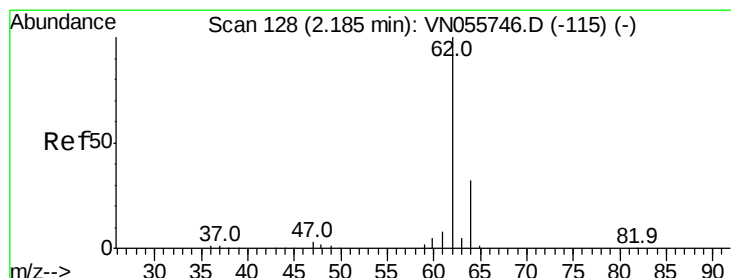
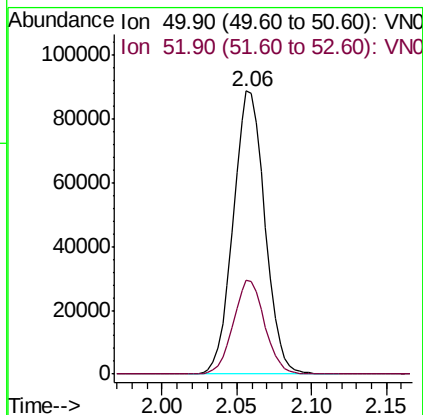
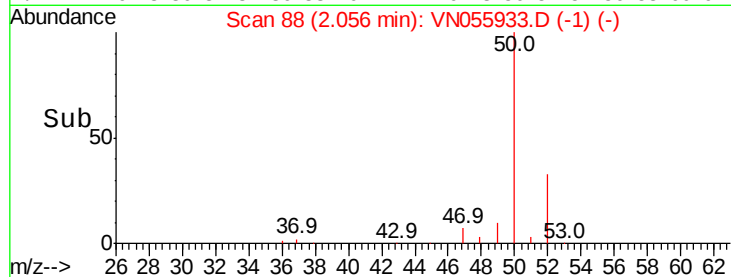
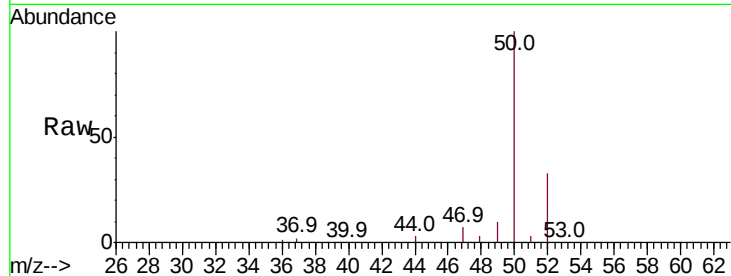
52 33.2 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.574 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN055933.D

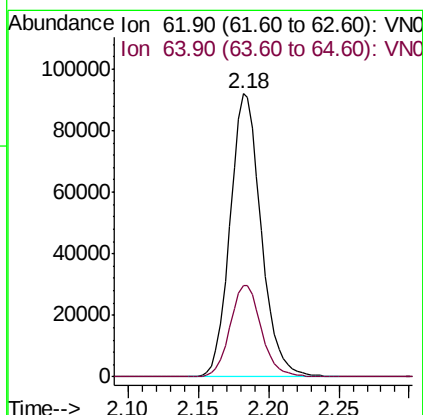
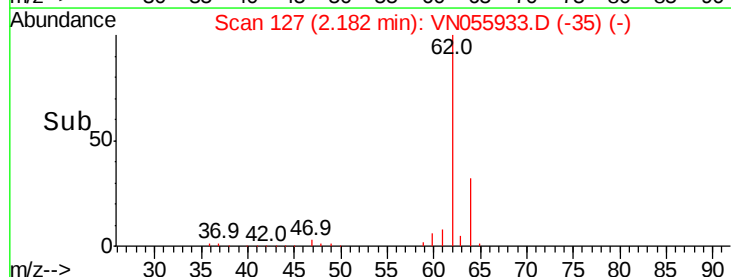
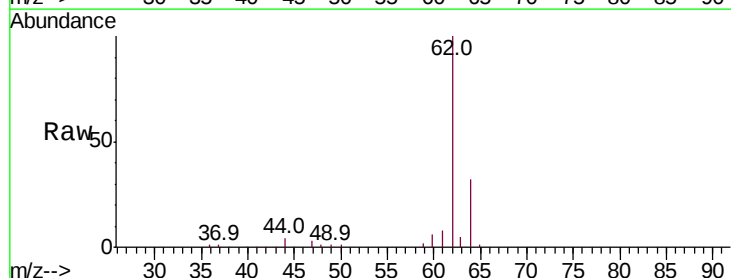
Acq: 31 May 2019 21:25

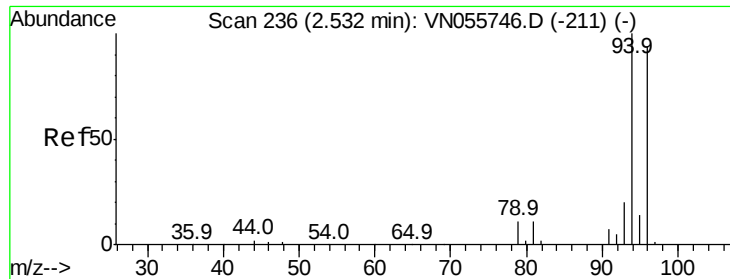
Tgt Ion: 62 Resp: 141712

Ion Ratio Lower Upper

62 100

64 32.4 25.6 38.4





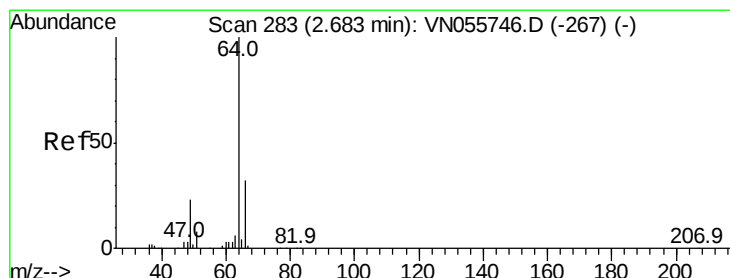
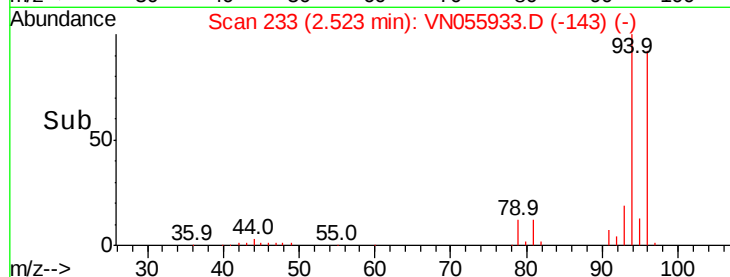
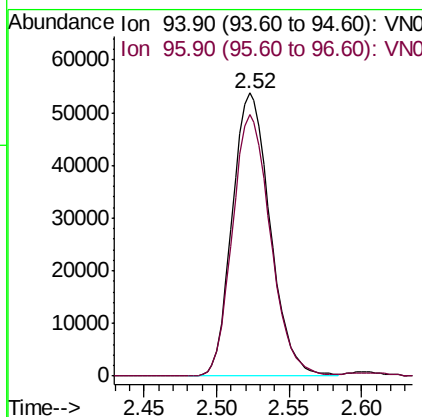
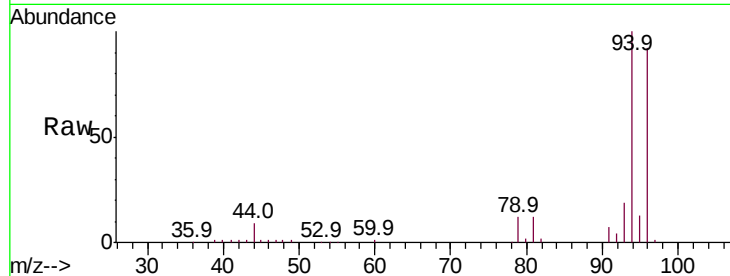
#5
Bromomethane
Concen: 52.295 ug/l
RT: 2.52 min Scan# 233
Delta R.T. -0.01 min
Lab File: VN055933.D
Acq: 31 May 2019 21:25

Instrument :
MSVOA_N
ClientSampleId :
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Tot Ion: 94 Resp: 97455
Ion Ratio Lower Upper
94 100
96 92.4 75.5 113.3

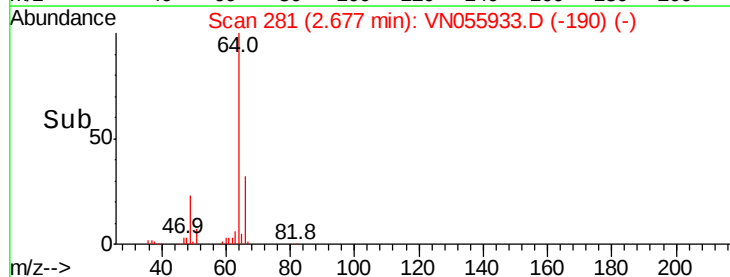
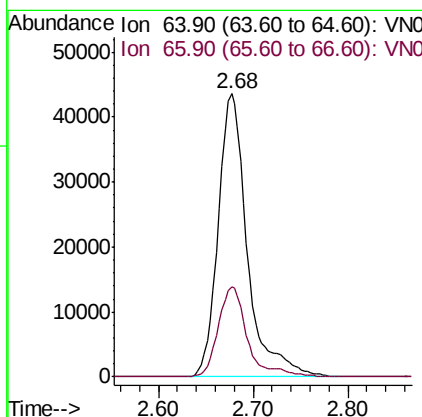
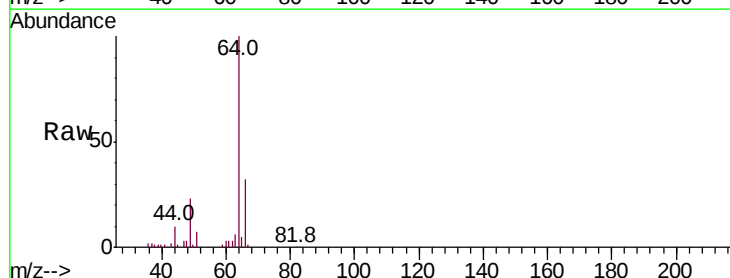
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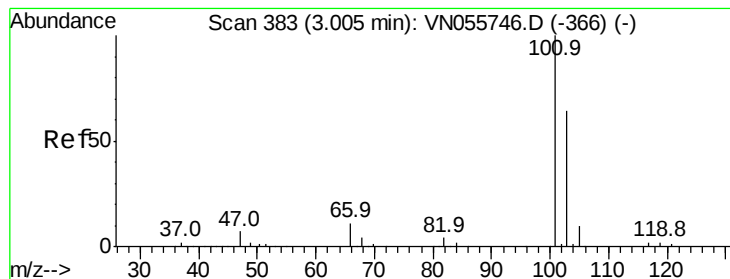
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#6
Chloroethane
Concen: 52.044 ug/l
RT: 2.68 min Scan# 281
Delta R.T. -0.01 min
Lab File: VN055933.D
Acq: 31 May 2019 21:25

Tgt Ion: 64 Resp: 93336
Ion Ratio Lower Upper
64 100
66 31.7 25.4 38.0





#7

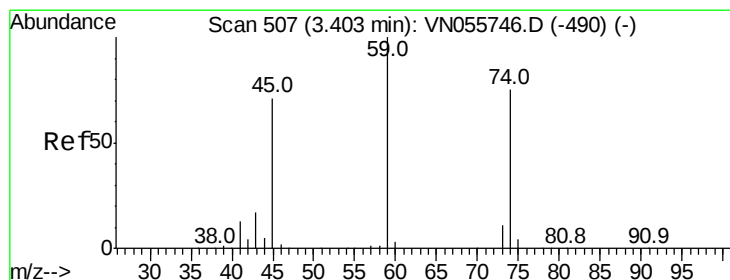
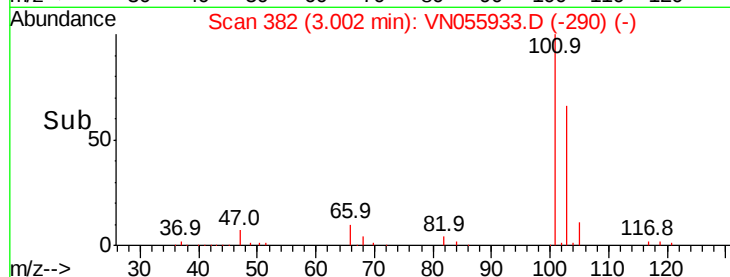
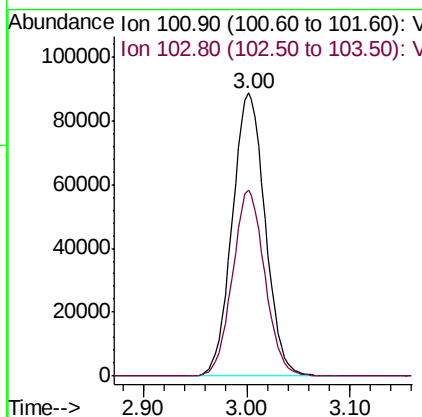
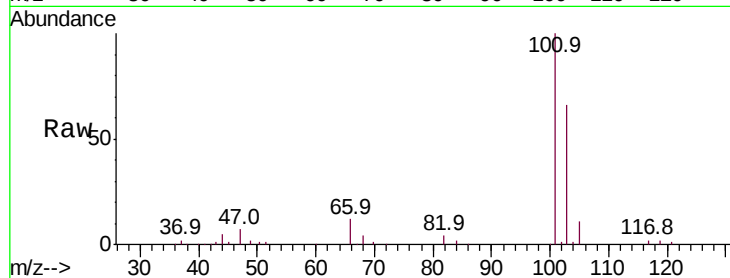
Trichlorofluoromethane
Concen: 50.310 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.00 min
Lab File: VN055933.D
Acq: 31 May 2019 21:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.2	76.8

Manual Integrations
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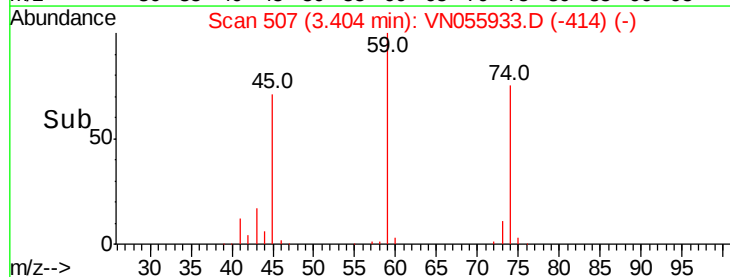
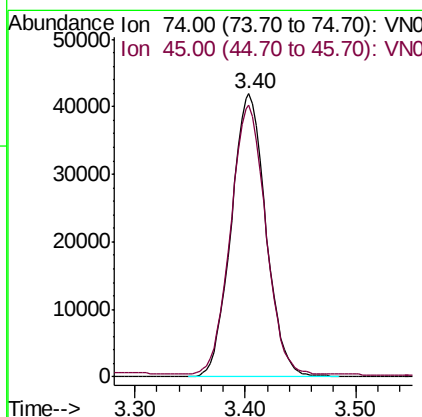
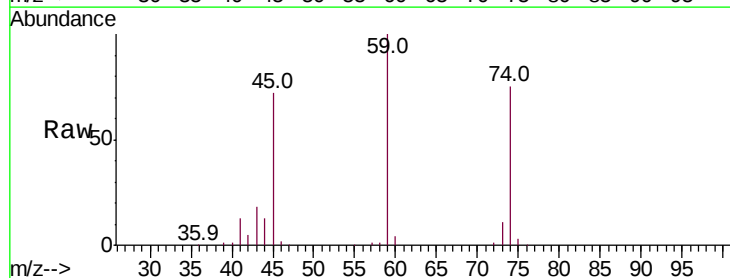
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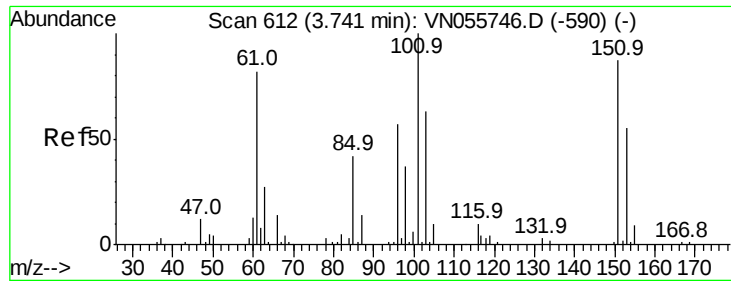


#8

Diethyl Ether
Concen: 52.107 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN055933.D
Acq: 31 May 2019 21:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.8	48.6	145.9





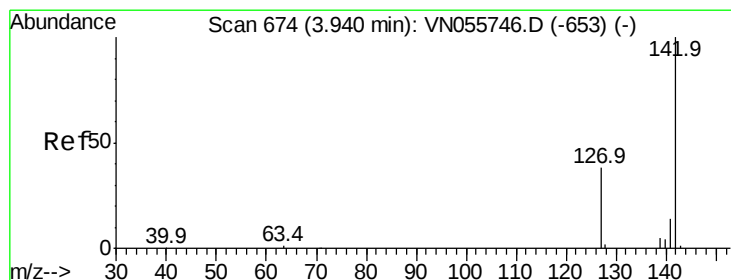
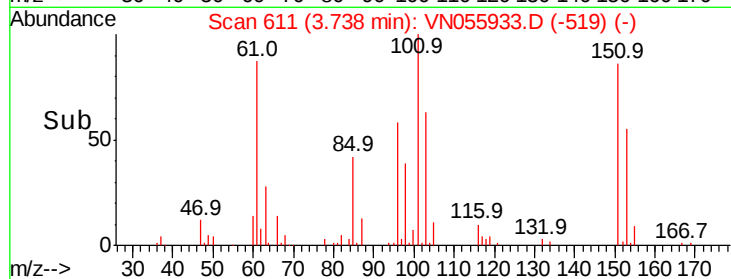
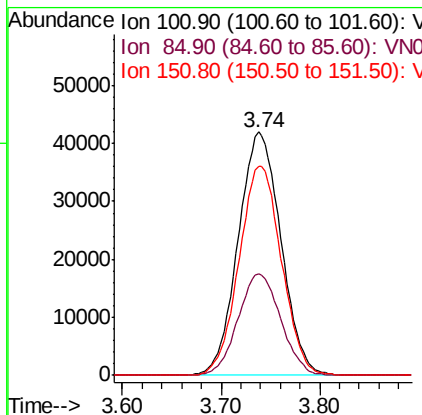
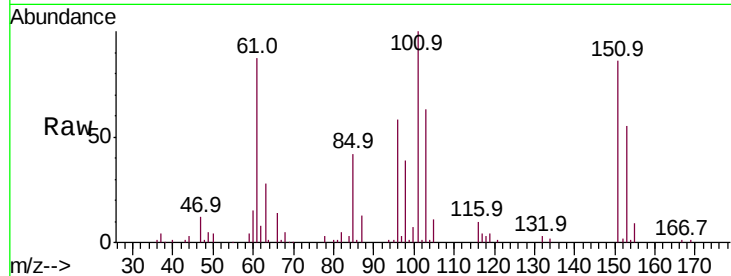
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 51.561 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN055933.D
 Acq: 31 May 2019 21:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	125694		
85	41.7		33.4	50.2
151	85.4		69.4	104.2

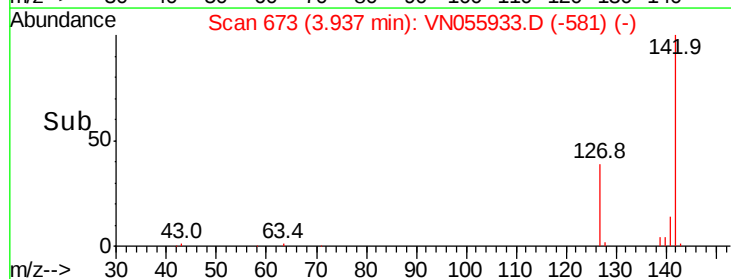
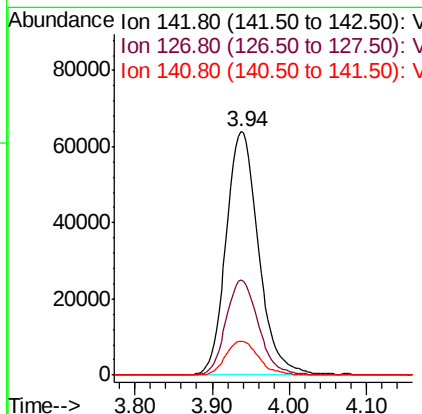
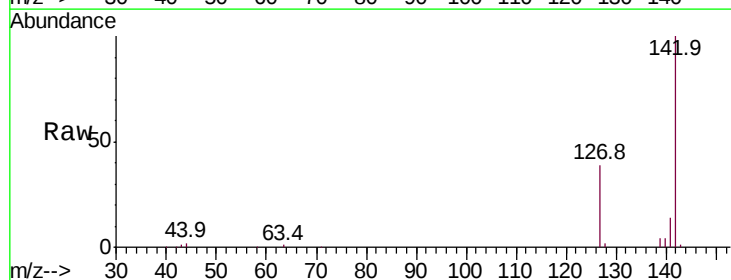
Manual Integrations
 APPROVED

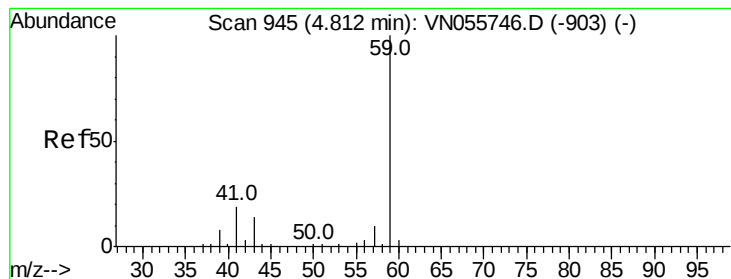
MMDadoda
 6/3/2019 4:12:26 PM



#10
 Methyl Iodide
 Concen: 52.319 ug/l
 RT: 3.94 min Scan# 673
 Delta R.T. -0.00 min
 Lab File: VN055933.D
 Acq: 31 May 2019 21:25

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	186467		
127	39.1		31.0	46.4
141	14.1		11.4	17.0





#11

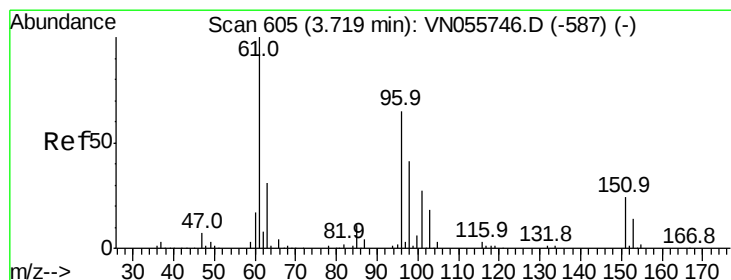
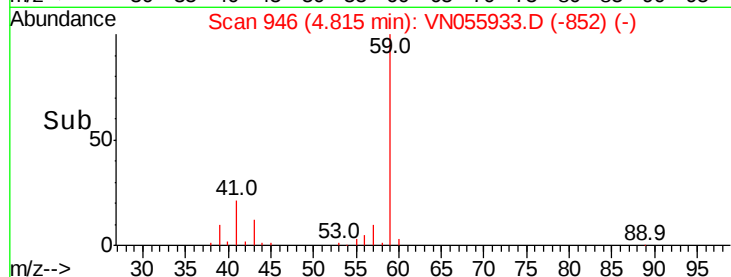
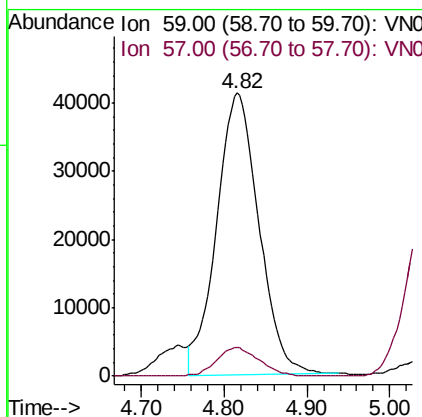
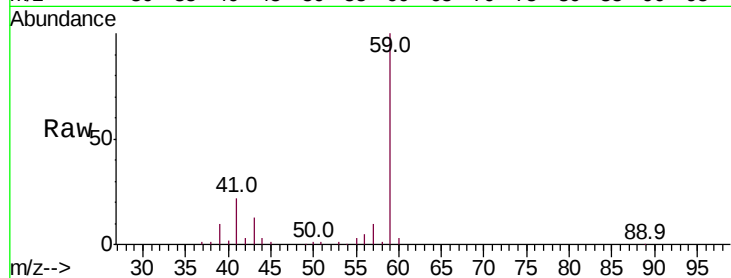
Tert butyl alcohol
Concen: 250.150 ug/l
RT: 4.82 min Scan# 946
Delta R.T. 0.00 min
Lab File: VN055933.D
Acq: 31 May 2019 21:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.8	11.6

Manual Integrations
APPROVED

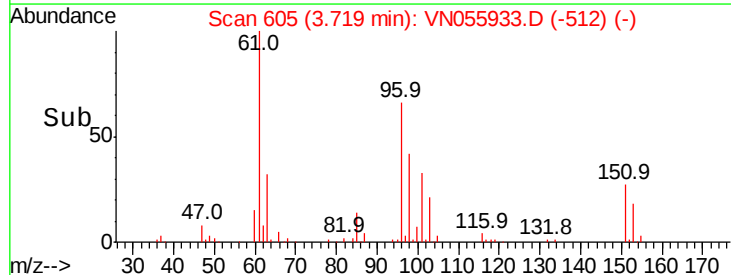
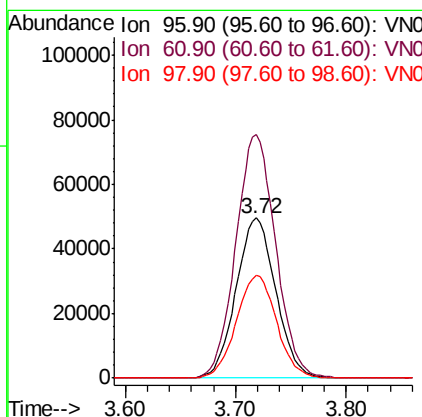
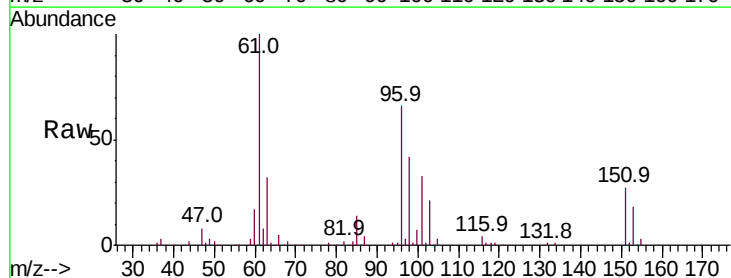
MMDadoda
6/3/2019 4:12:26 PM

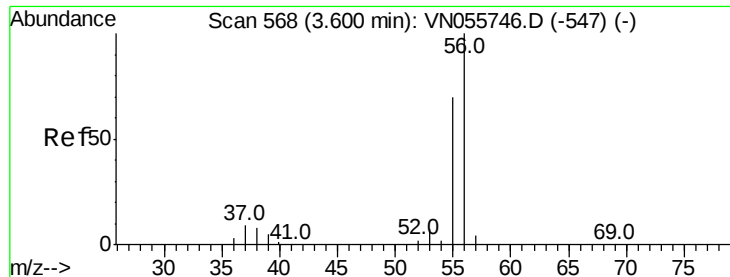


#12

1,1-Dichloroethene
Concen: 49.150 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN055933.D
Acq: 31 May 2019 21:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.3	123.2	184.8
98	64.3	50.4	75.6





#13

Acrolein

Concen: 222.748 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055933.D

Acq: 31 May 2019 21:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 93211

Ion Ratio Lower Upper

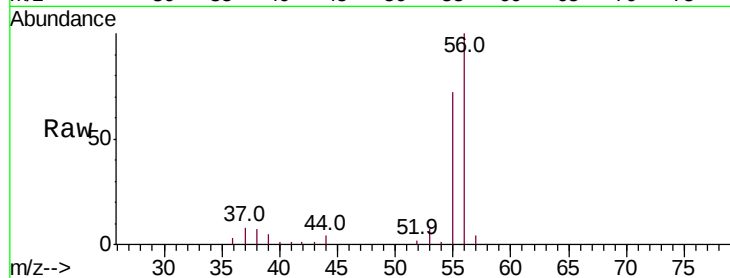
56 100

55 71.1 55.4 83.2

Manual Integrations
APPROVED

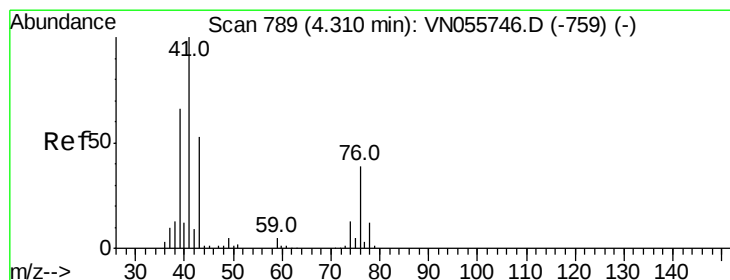
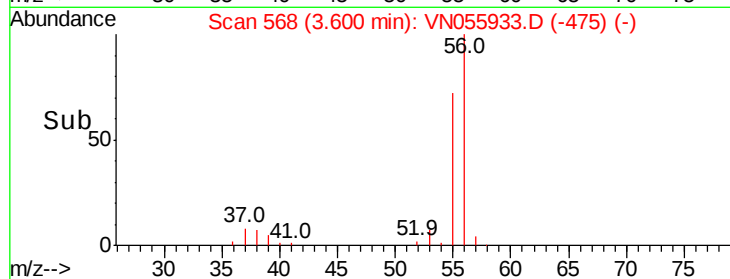
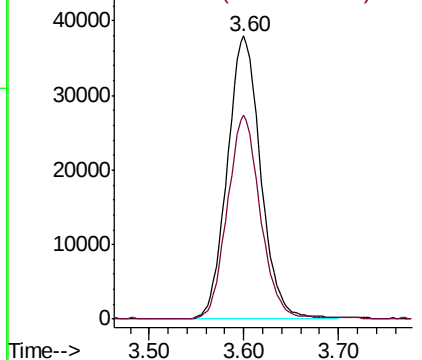
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 48.484 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN055933.D

Acq: 31 May 2019 21:25

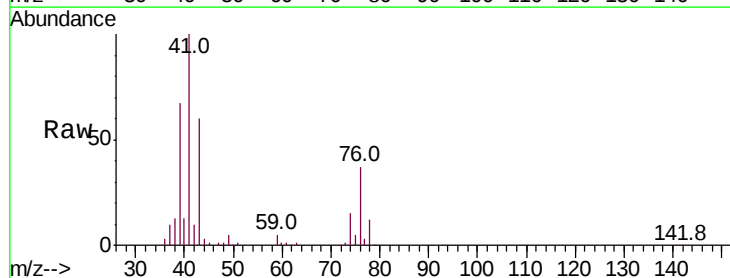
Tgt Ion: 41 Resp: 209357

Ion Ratio Lower Upper

41 100

39 62.6 50.0 75.0

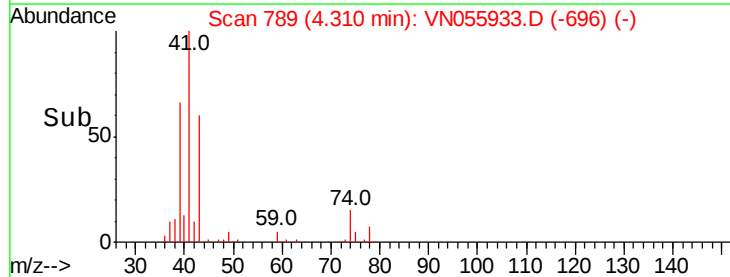
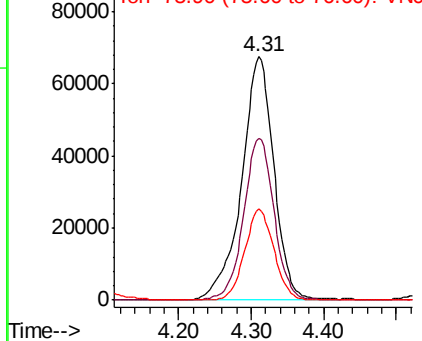
76 33.6 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 279.302 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055933.D

Acq: 31 May 2019 21:25

Instrument :

MSVOA_N

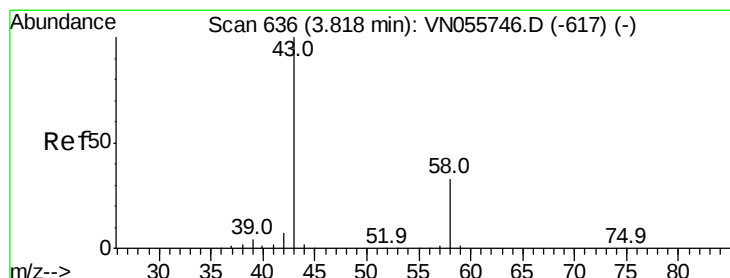
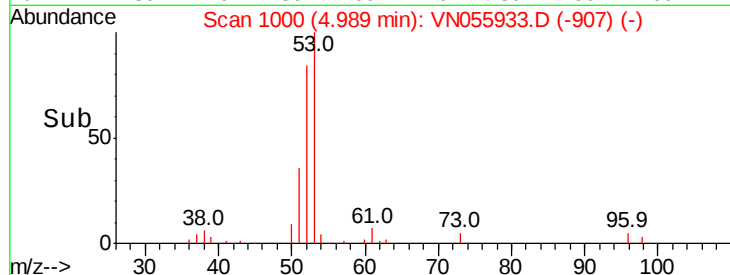
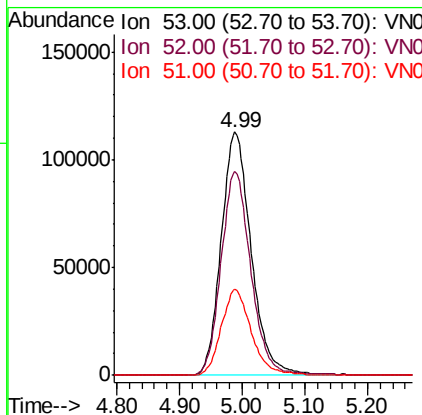
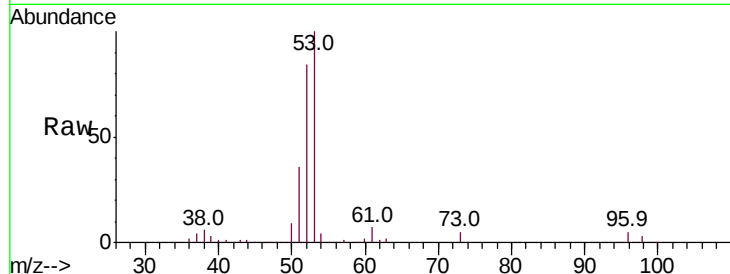
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	374808
Ion Ratio	Lower	Upper	
53	100		
52	82.9	65.8	98.8
51	35.5	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 233.793 ug/l

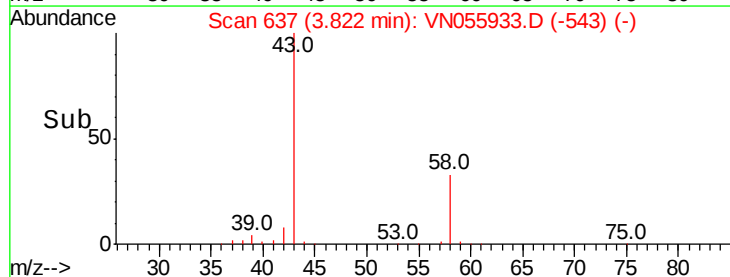
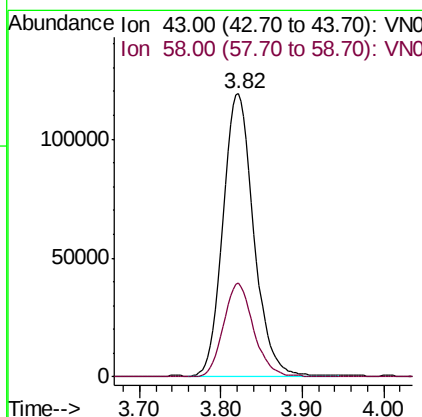
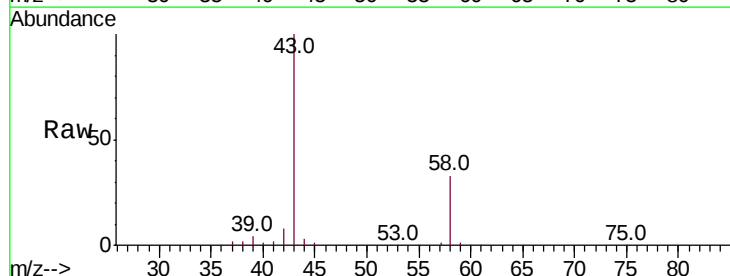
RT: 3.82 min Scan# 637

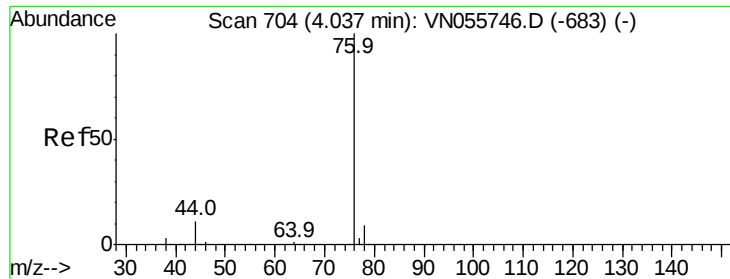
Delta R.T. 0.00 min

Lab File: VN055933.D

Acq: 31 May 2019 21:25

Tgt Ion:	43	Resp:	314338
Ion Ratio	Lower	Upper	
43	100		
58	33.3	26.6	39.8





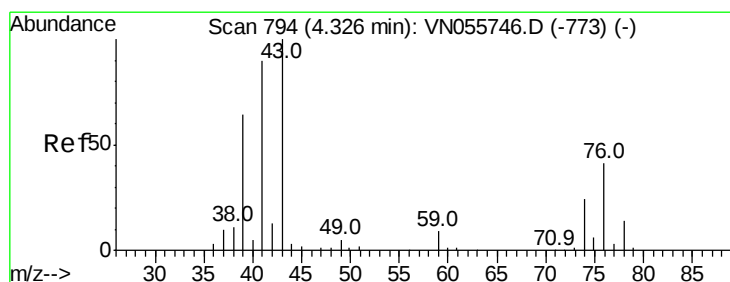
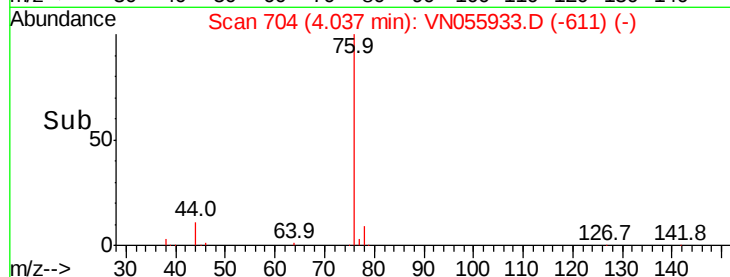
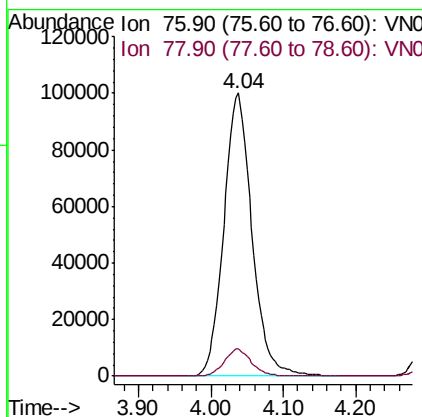
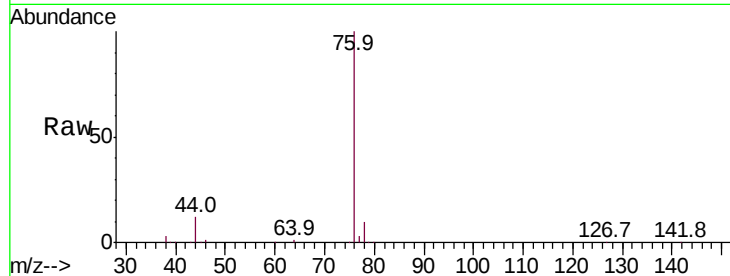
#17
Carbon Disulfide
Concen: 37.755 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN055933.D
Acq: 31 May 2019 21:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.4	11.2

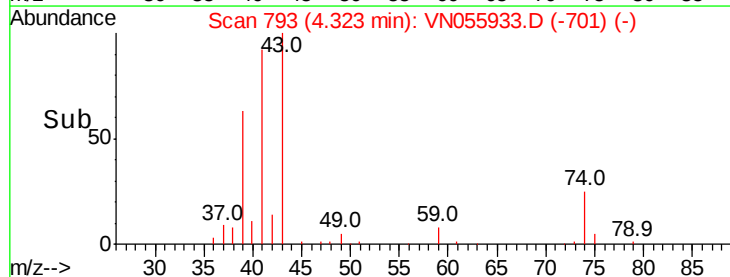
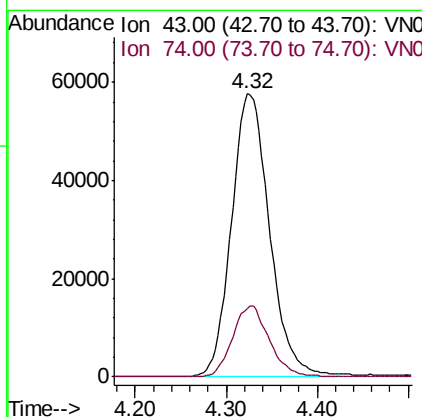
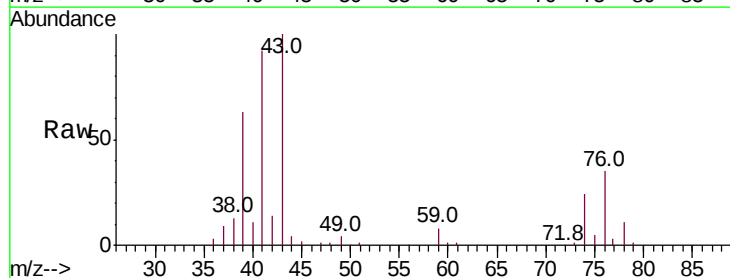
Manual Integrations
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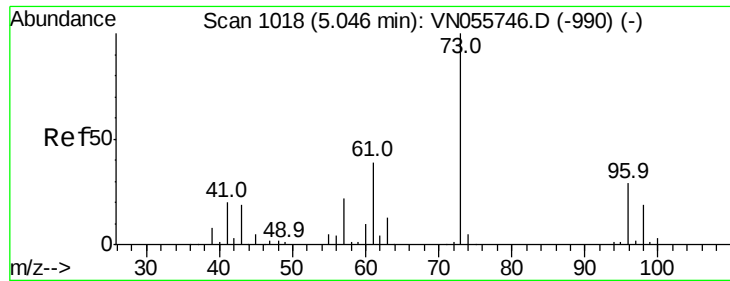
MMDadoda
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#18
Methyl Acetate
Concen: 60.965 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN055933.D
Acq: 31 May 2019 21:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.3	28.9





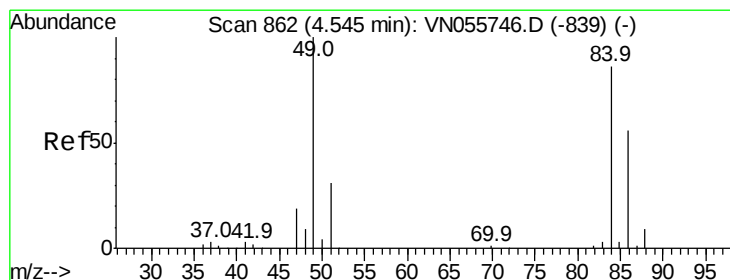
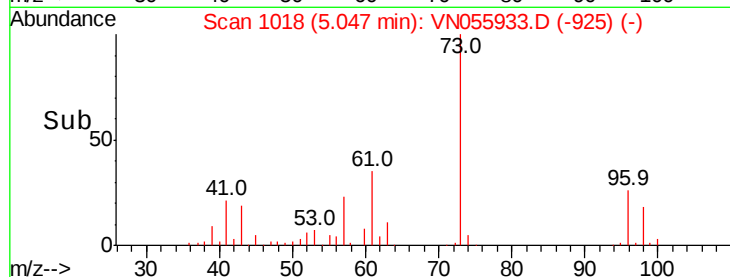
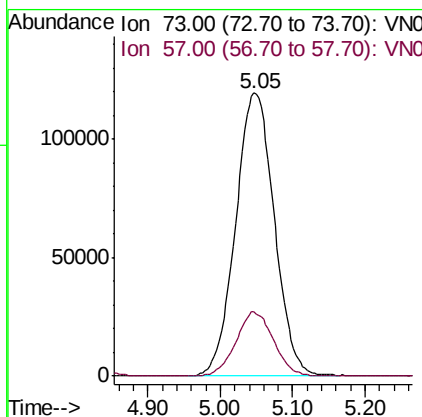
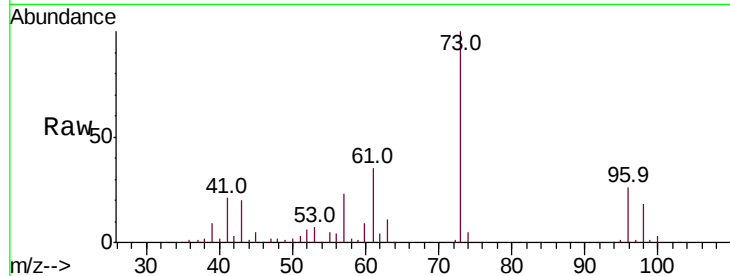
#19
Methvl tert-butvl Ether
Concen: 52.901 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055933.D
Acq: 31 May 2019 21:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 444409
Ion Ratio Lower Upper
73 100
57 22.8 17.8 26.8

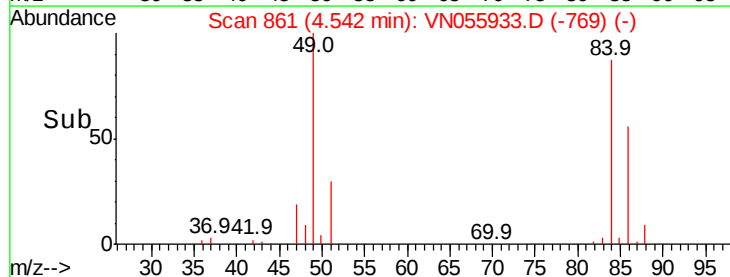
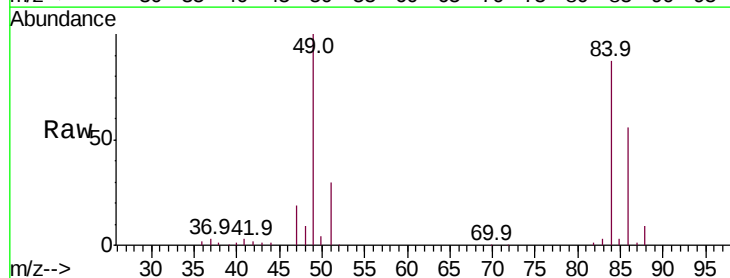
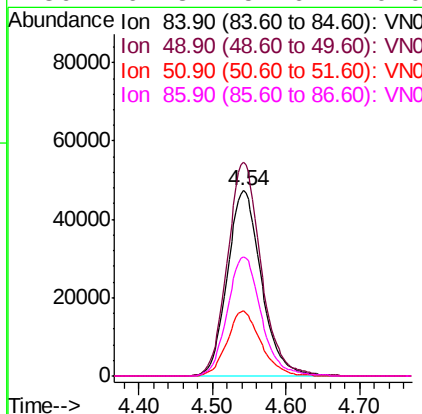
Manual Integrations
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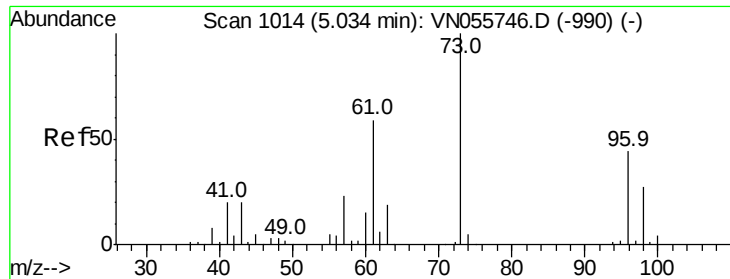
MMDadoda
6/3/2019 4:12:26 PM



#20
Methylene Chloride
Concen: 52.190 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055933.D
Acq: 31 May 2019 21:25

Tgt Ion: 84 Resp: 151966
Ion Ratio Lower Upper
84 100
49 115.1 93.5 140.3
51 35.0 28.6 43.0
86 64.3 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 49.726 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VN055933.D

Acq: 31 May 2019 21:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 134564

Ion Ratio Lower Upper

96 100

61 132.0 107.8 161.8

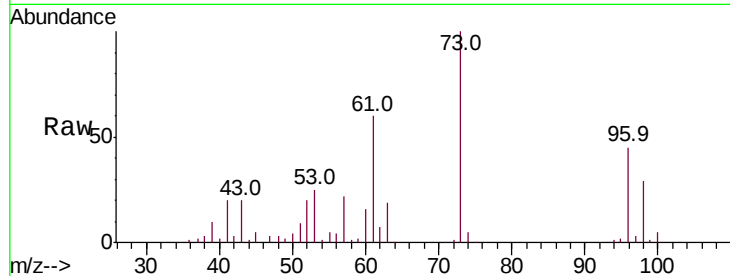
98 65.0 49.8 74.8

Manual Integrations

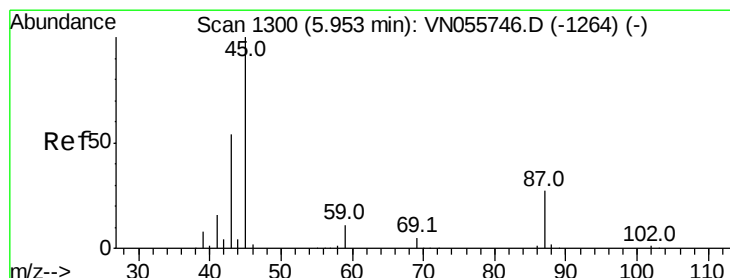
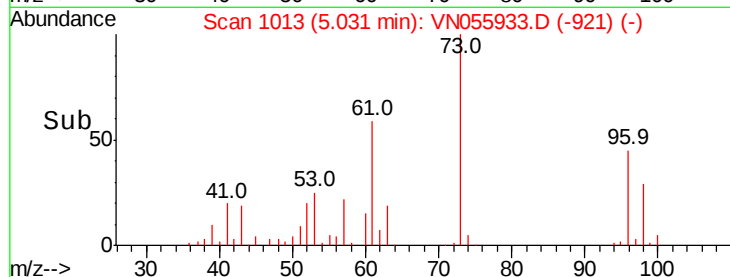
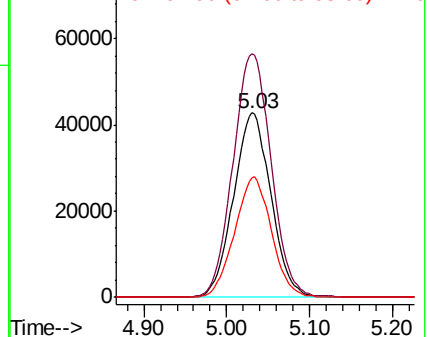
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Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 54.168 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055933.D

Acq: 31 May 2019 21:25

Tgt Ion: 45 Resp: 454932

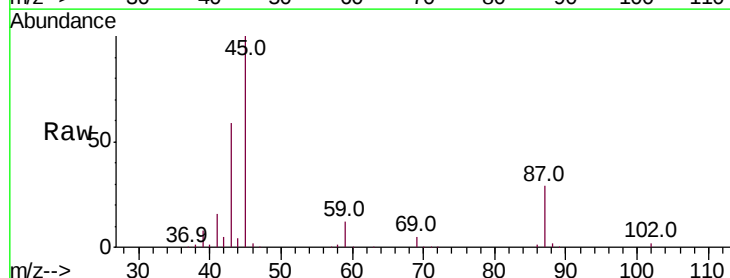
Ion Ratio Lower Upper

45 100

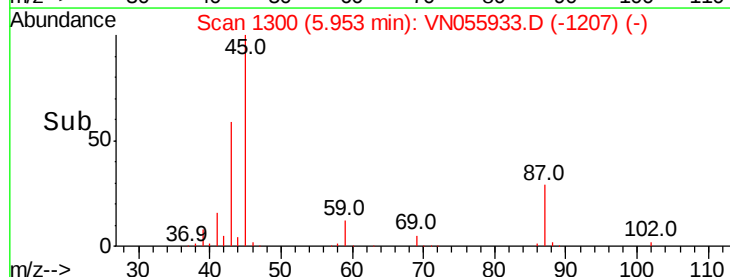
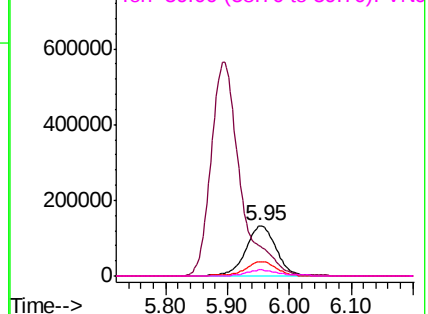
43 57.9 45.0 67.6

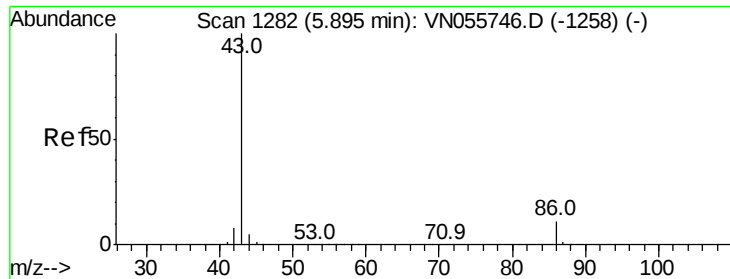
87 28.6 22.2 33.4

59 11.7 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 259.763 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055933.D

Acq: 31 May 2019 21:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1870504

Ion Ratio Lower Upper

43 100

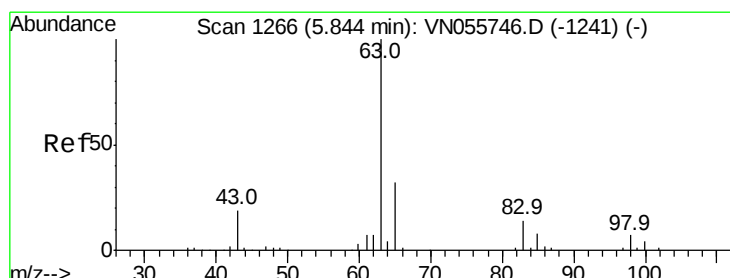
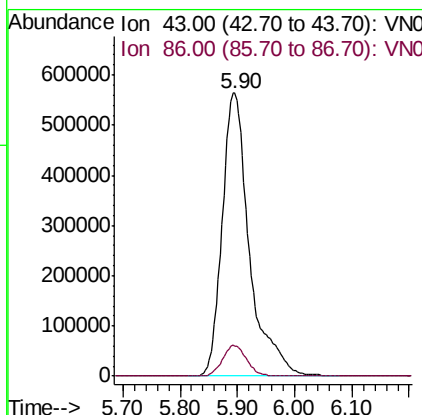
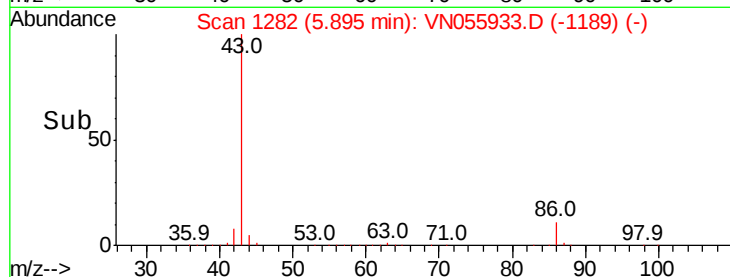
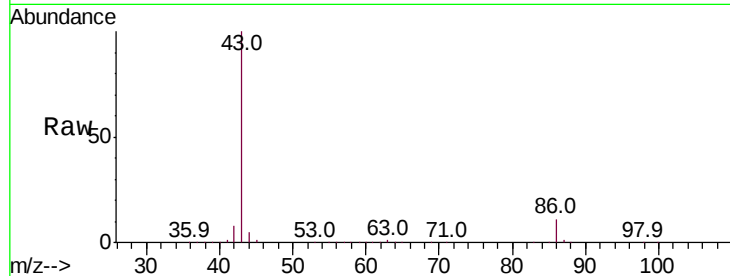
86 10.7 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 52.299 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN055933.D

Acq: 31 May 2019 21:25

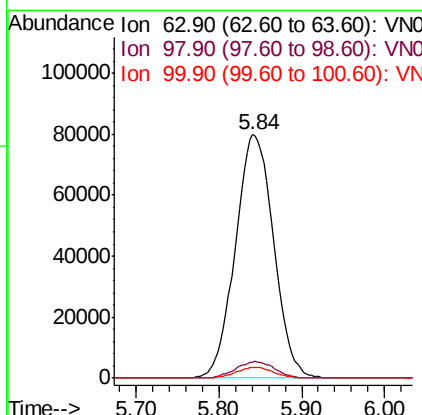
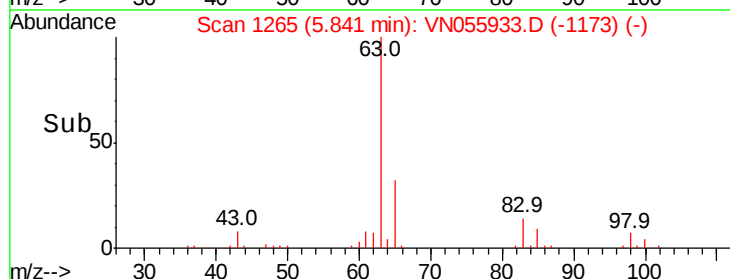
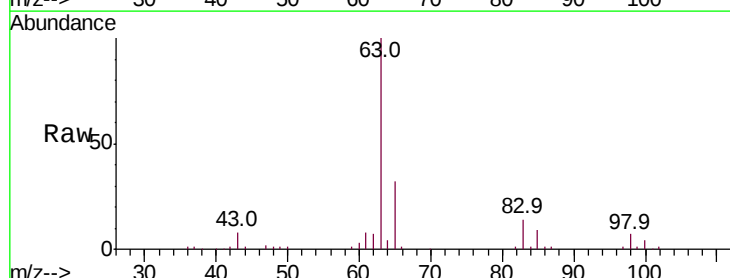
Tgt Ion: 63 Resp: 255736

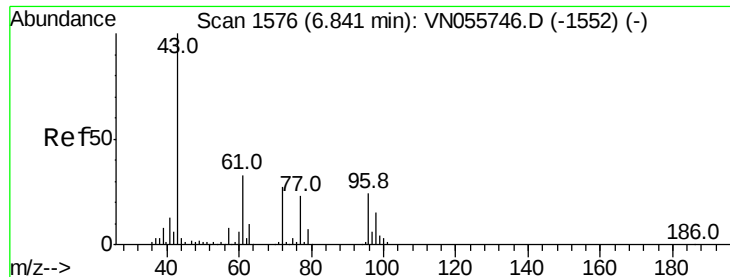
Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

100 4.3 2.2 6.6





#25

2-Butanone

Concen: 268.325 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055933.D

Acq: 31 May 2019 21:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 503841

Ion Ratio Lower Upper

43 100

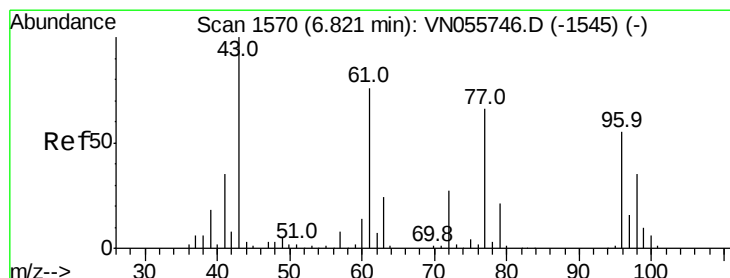
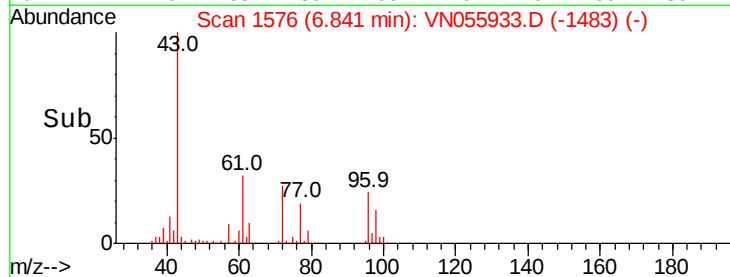
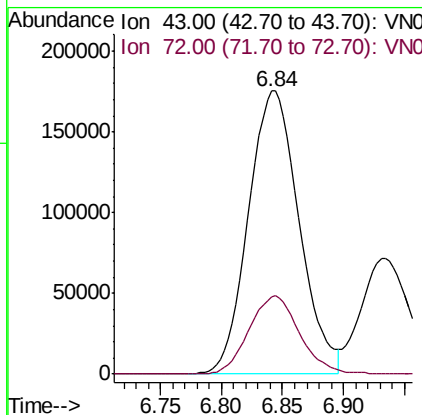
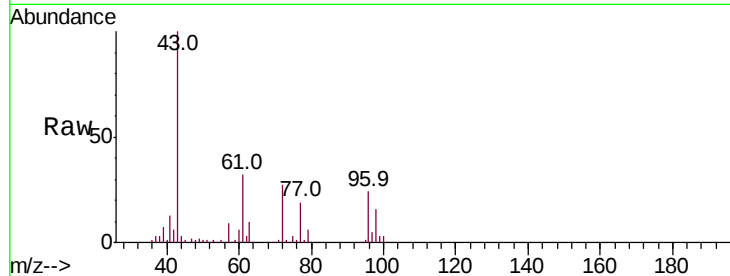
72 27.2 21.9 32.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 40.842 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN055933.D

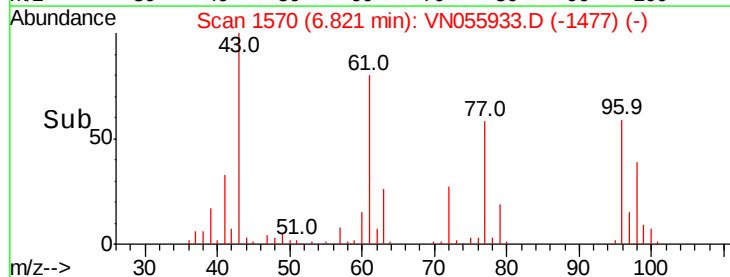
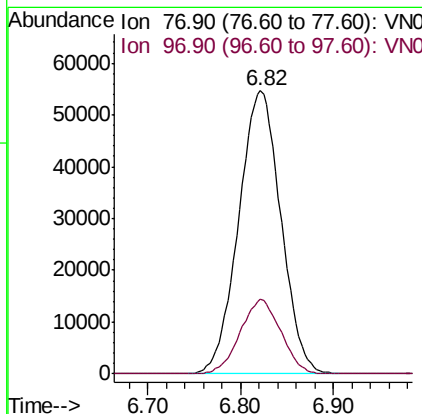
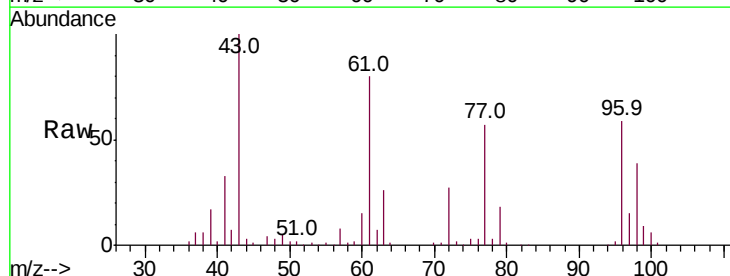
Acq: 31 May 2019 21:25

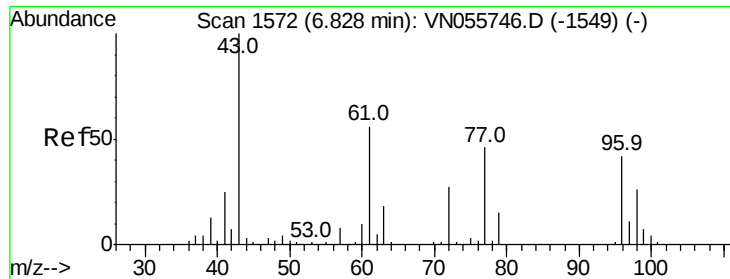
Tgt Ion: 77 Resp: 172844

Ion Ratio Lower Upper

77 100

97 25.4 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 53.320 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055933.D

Acq: 31 May 2019 21:25

Instrument :

MSVOA_N

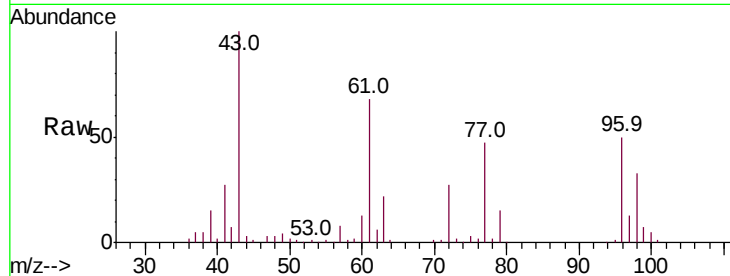
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	168340
Ion Ratio	Lower	Upper	
96	100		
61	134.1	0.0	275.8
98	64.2	0.0	128.4

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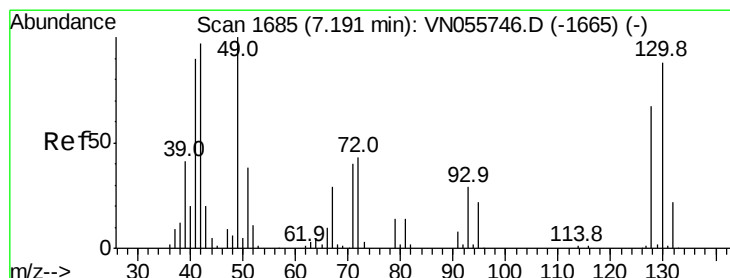
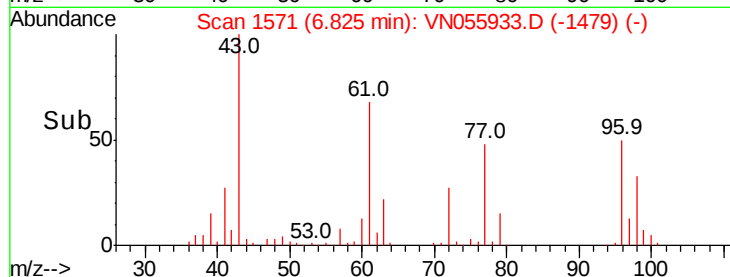
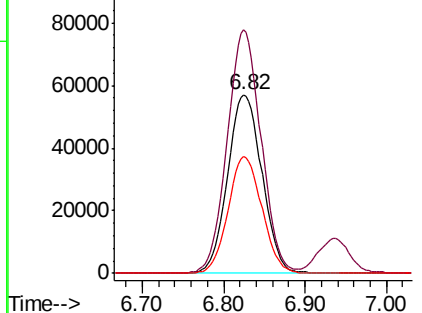
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Abundance Ion 95.90 (95.60 to 96.60): VN055746.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN055746.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN055746.D (-1549) (-)



#28

Bromochloromethane

Concen: 55.143 ug/l

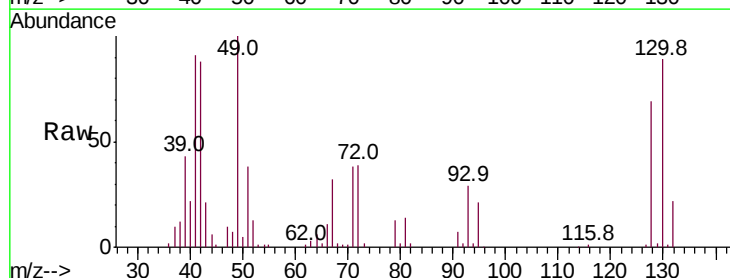
RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN055933.D

Acq: 31 May 2019 21:25

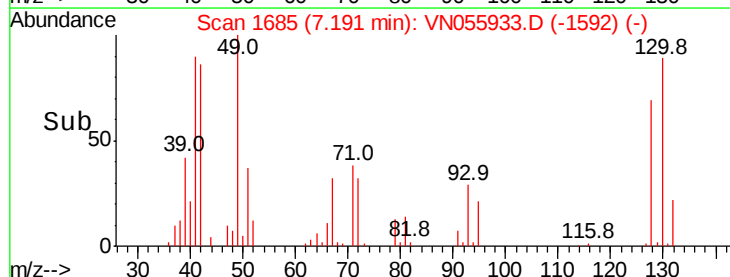
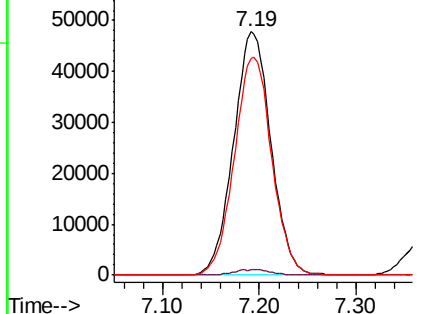
Tgt Ion:	49	Resp:	128381
Ion Ratio	Lower	Upper	
49	100		
129	0.9	0.0	4.4
130	89.6	71.2	106.8

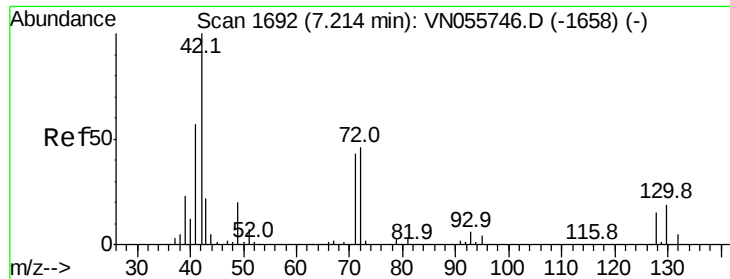


Abundance Ion 48.90 (48.60 to 49.60): VN055746.D (-1665) (-)

Ion 128.80 (128.50 to 129.50): VN055746.D (-1665) (-)

Ion 129.80 (129.50 to 130.50): VN055746.D (-1665) (-)





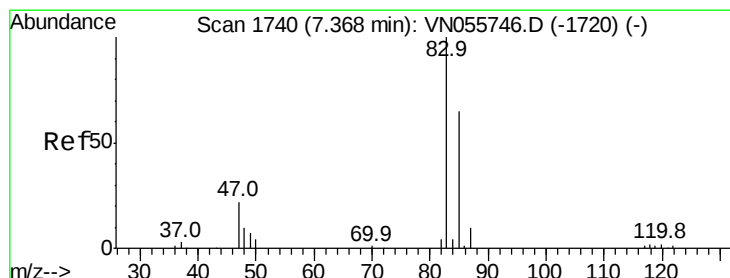
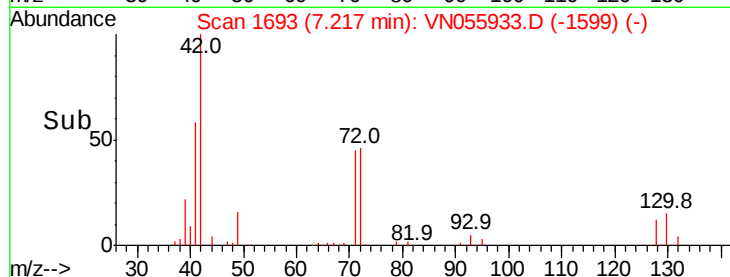
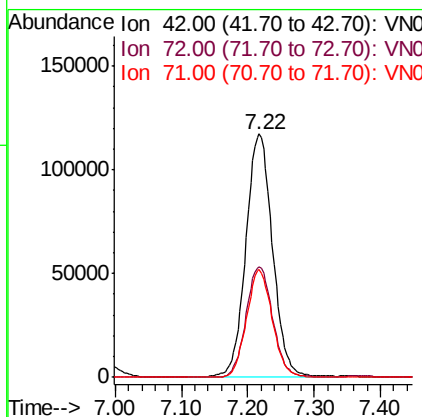
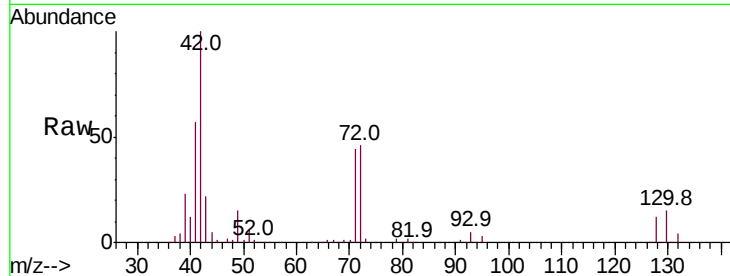
#29
Tetrahydrofuran
Concen: 277.025 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055933.D
Acq: 31 May 2019 21:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	35.9	53.9
71	42.4	34.0	51.0

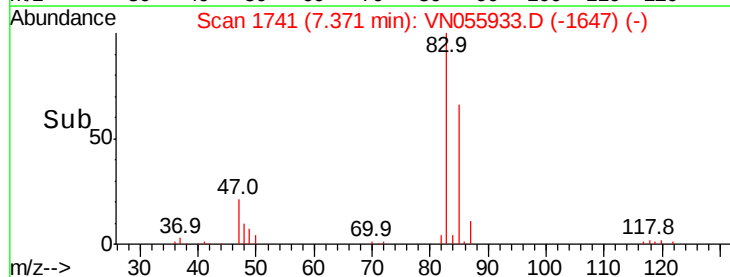
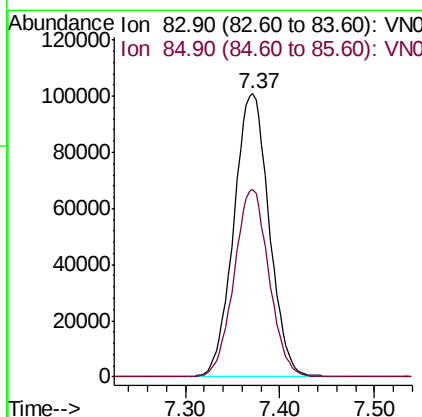
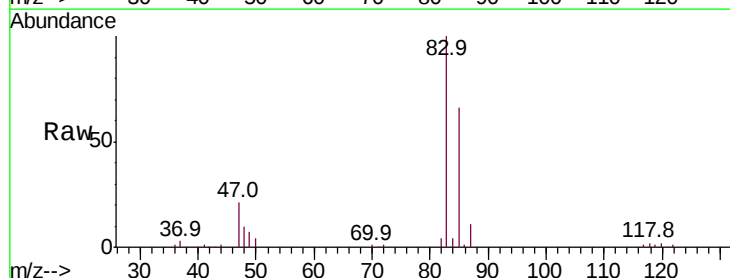
Manual Integrations
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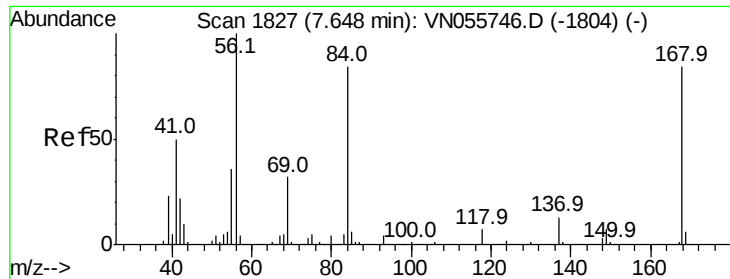
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#30
Chloroform
Concen: 53.817 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055933.D
Acq: 31 May 2019 21:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.8	77.8





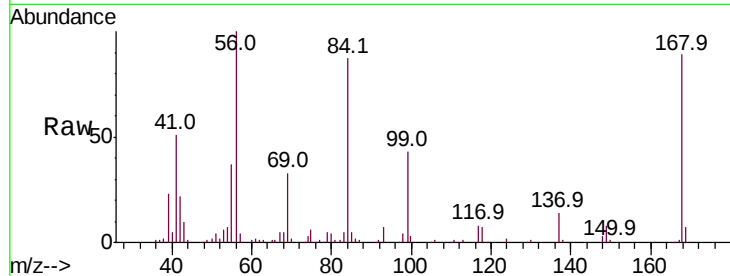
#31
Cyclohexane
Concen: 48.614 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN055933.D
Acq: 31 May 2019 21:25

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.9	25.6	38.4
84	86.1	67.4	101.0

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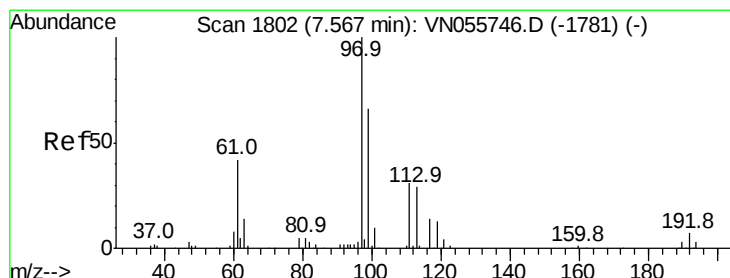
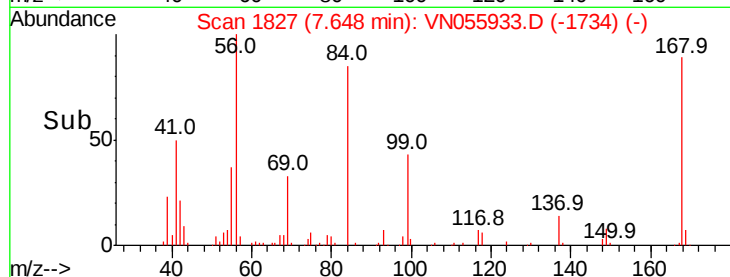
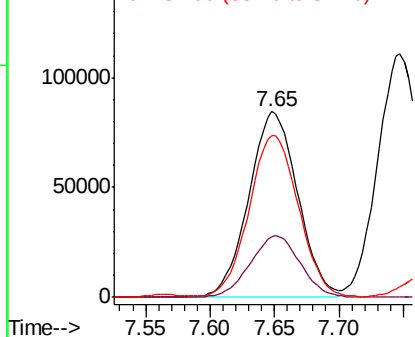


Abundance

Ion 56.00 (55.70 to 56.70): VNO

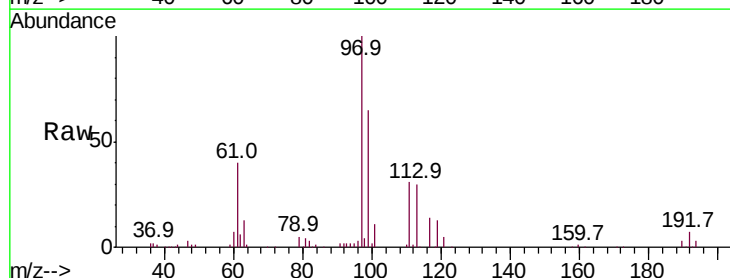
Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#32
1,1,1-Trichloroethane
Concen: 50.349 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055933.D
Acq: 31 May 2019 21:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.0	78.0
61	41.1	32.9	49.3

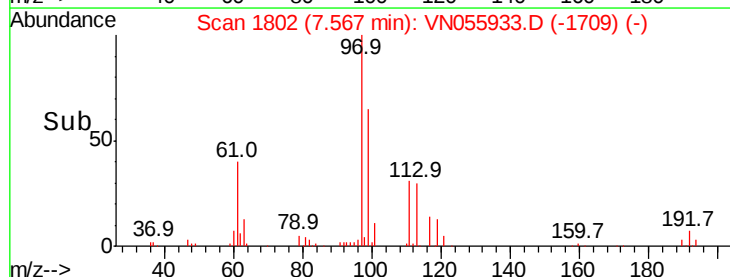
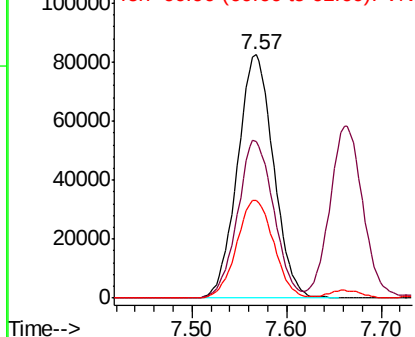


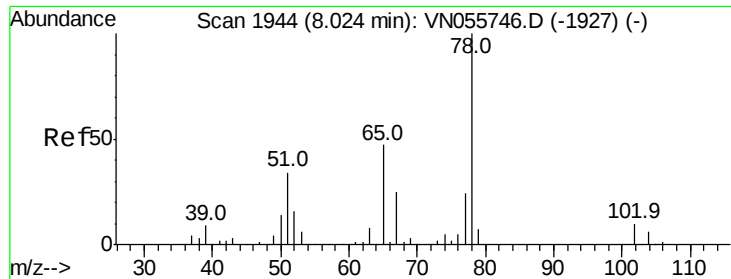
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Ion 60.90 (60.60 to 61.60): VNO





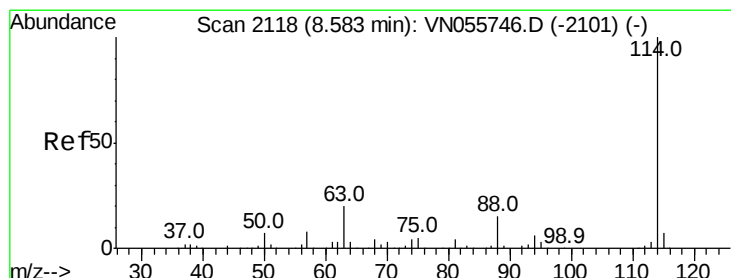
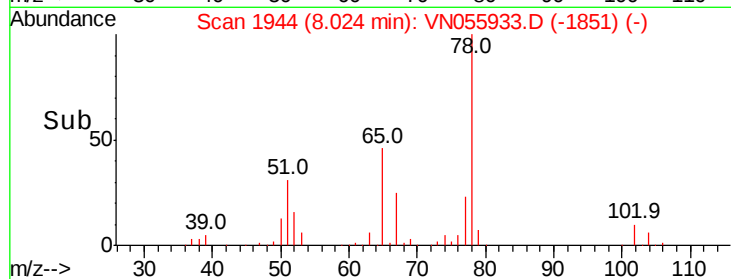
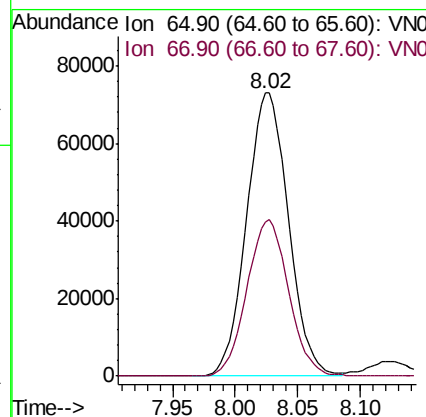
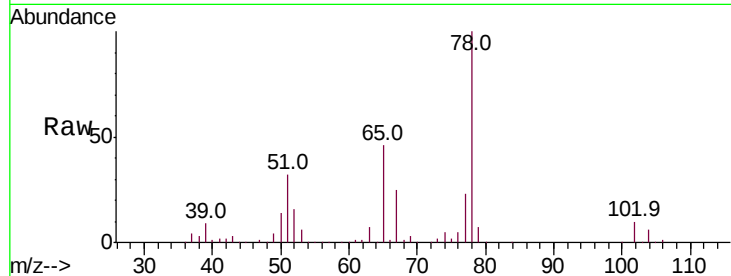
#33
 1,2-Dichloroethane-d4
 Concen: 55.564 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055933.D
 Acq: 31 May 2019 21:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	169951		
67	55.0	0.0	109.2	

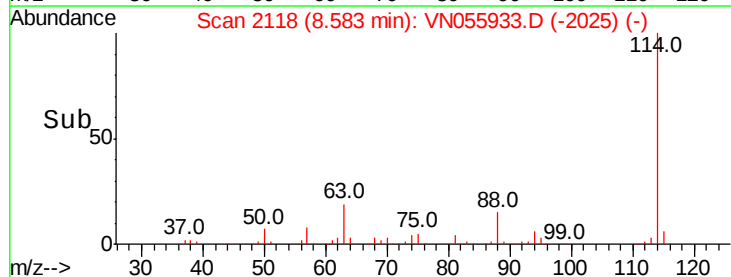
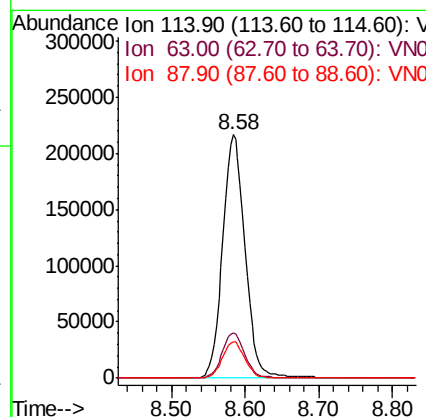
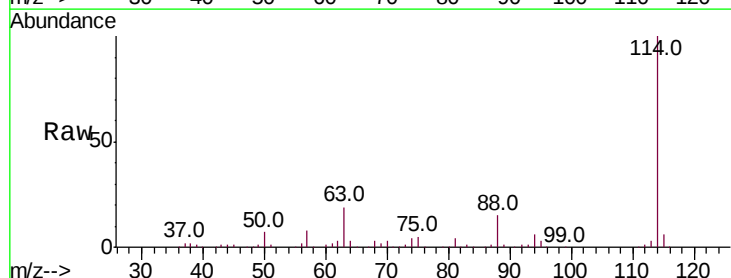
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055933.D
 Acq: 31 May 2019 21:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	457898		
63	18.6	0.0	39.2	
88	15.0	0.0	31.0	





#35

Dibromofluoromethane

Concen: 51.395 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055933.D

Acq: 31 May 2019 21:25

Instrument :

MSVOA_N

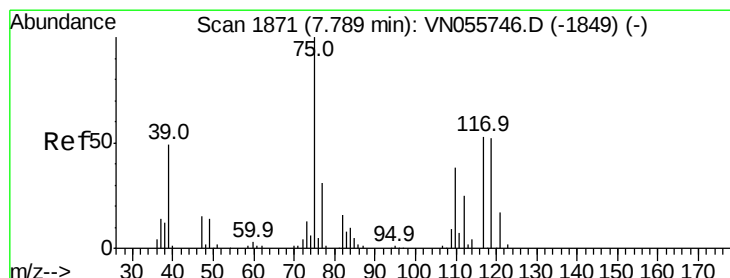
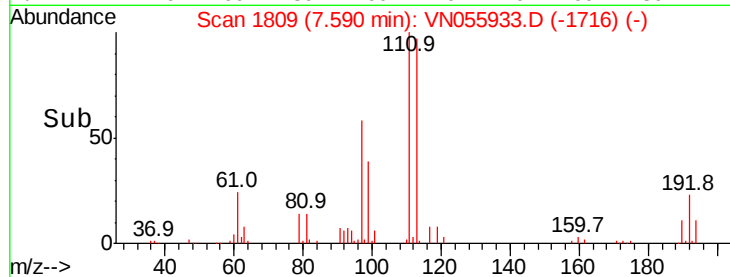
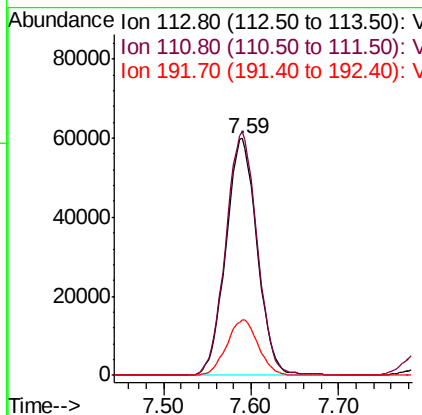
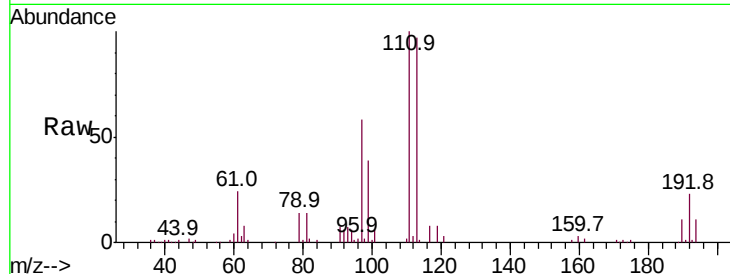
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	148789
Ion Ratio	Lower	Upper	
113	100		
111	103.4	81.9	122.9
192	23.5	19.5	29.3

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#36

1,1-Dichloropropene

Concen: 46.404 ug/l

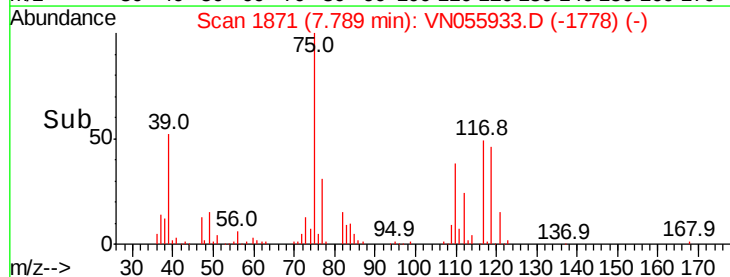
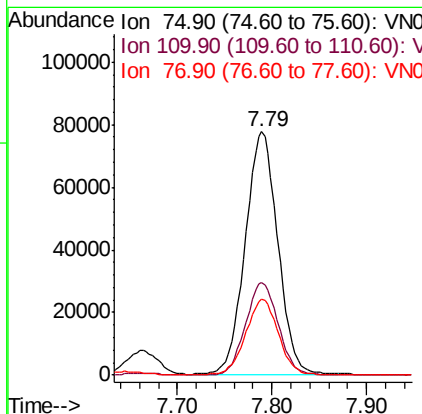
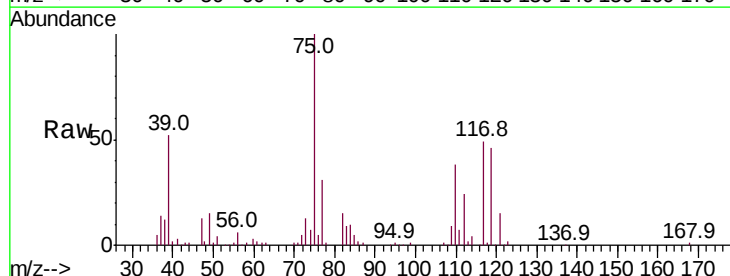
RT: 7.79 min Scan# 1871

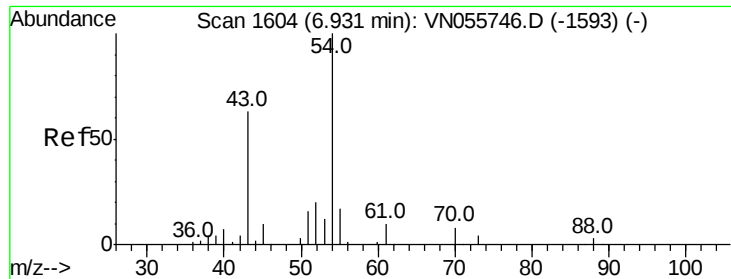
Delta R.T. 0.00 min

Lab File: VN055933.D

Acq: 31 May 2019 21:25

Tgt Ion:	75	Resp:	185169
Ion Ratio	Lower	Upper	
75	100		
110	38.3	19.0	57.0
77	31.6	25.1	37.7





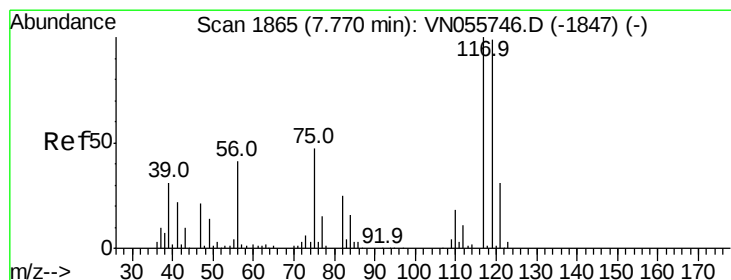
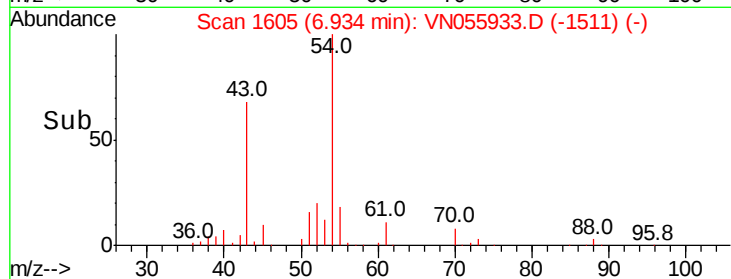
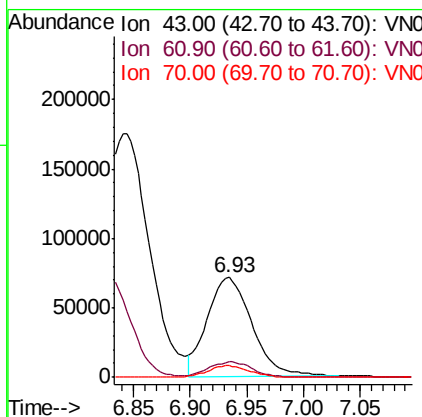
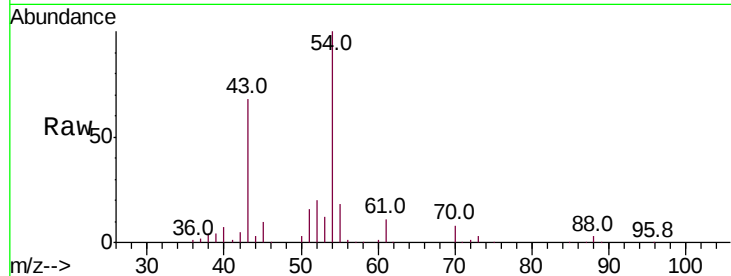
#37
Ethyl Acetate
Concen: 50.584 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055933.D
Acq: 31 May 2019 21:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	195088
Ion Ratio	100	Lower	Upper
61	15.2	12.2	18.2
70	11.2	8.9	13.3

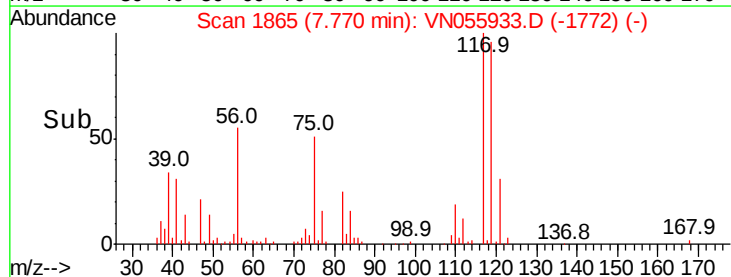
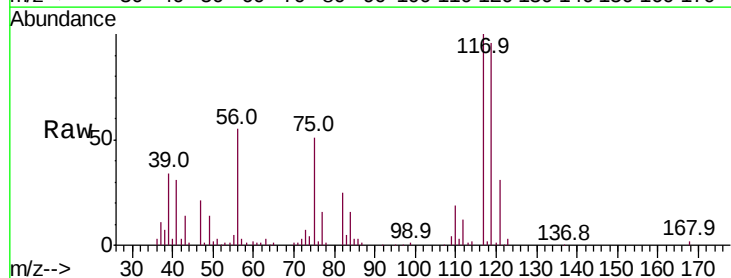
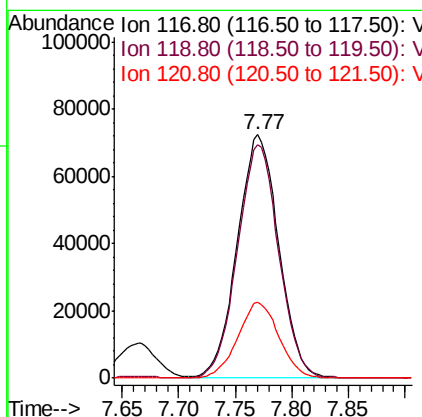
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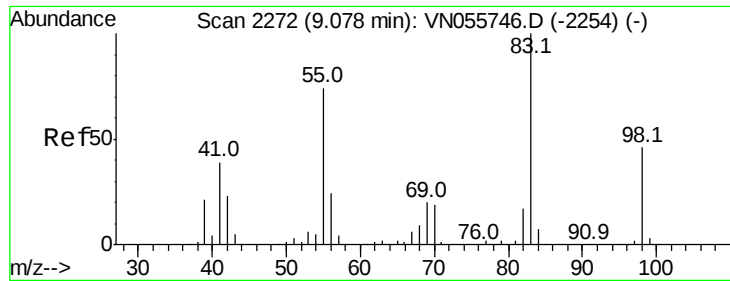
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#38
Carbon Tetrachloride
Concen: 44.037 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055933.D
Acq: 31 May 2019 21:25

Tgt Ion	117	Resp	183042
Ion Ratio	100	Lower	Upper
119	96.0	79.0	118.6
121	31.2	24.7	37.1





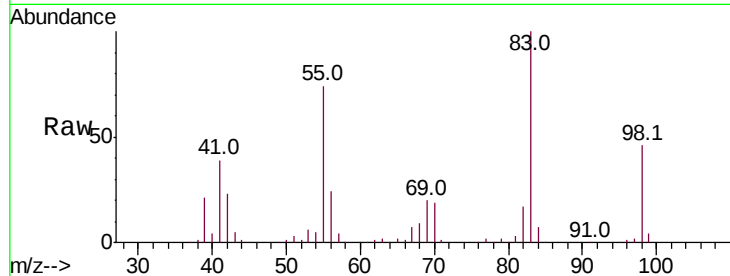
#39
Methvlcvclohexane
Concen: 45.430 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055933.D
Acq: 31 May 2019 21:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

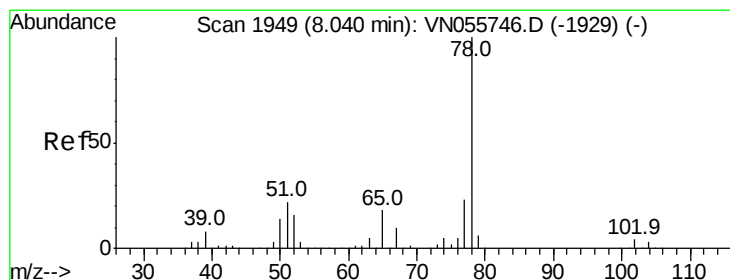
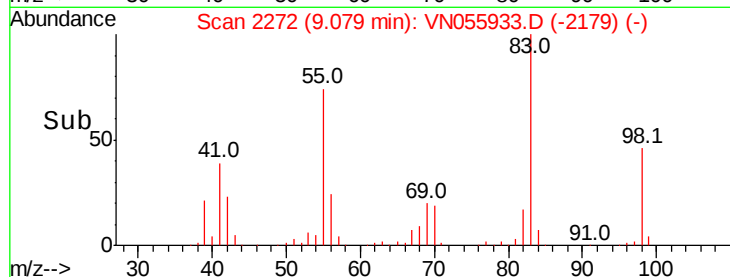
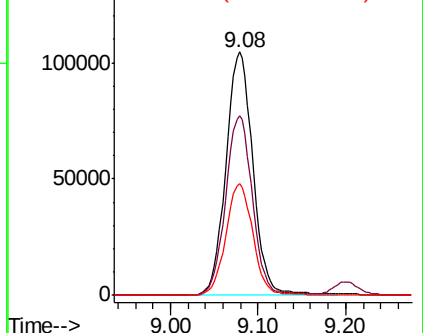
Tot Ion	Ratio	Lower	Upper
83	100		
55	73.7	59.3	88.9
98	45.9	36.6	54.8

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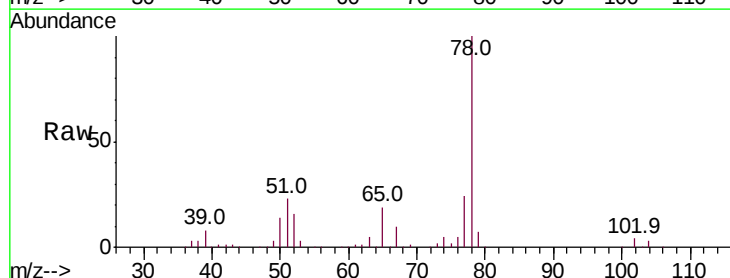


Abundance Ion 83.00 (82.70 to 83.70): VNC
Ion 55.00 (54.70 to 55.70): VNC
Ion 98.00 (97.70 to 98.70): VNC

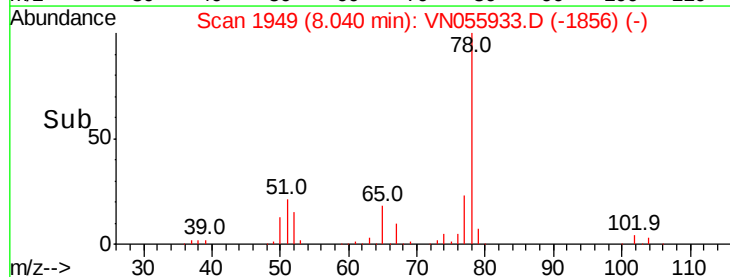
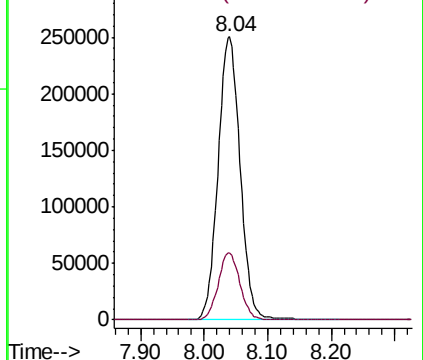


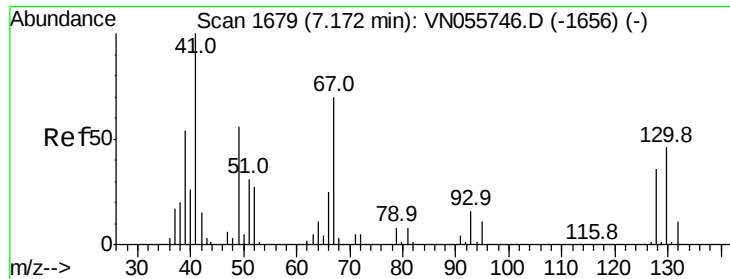
#40
Benzene
Concen: 50.123 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055933.D
Acq: 31 May 2019 21:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2



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





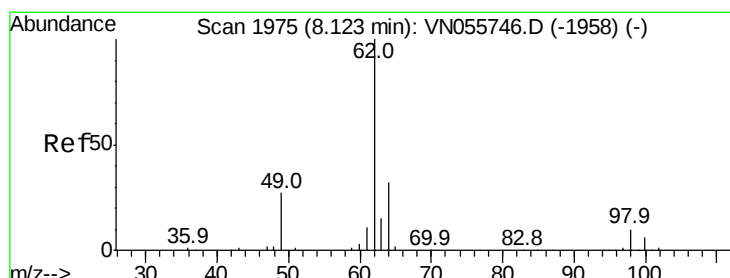
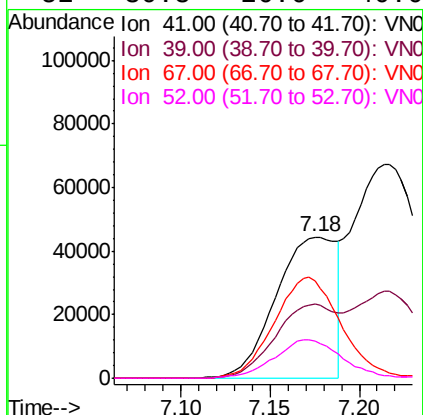
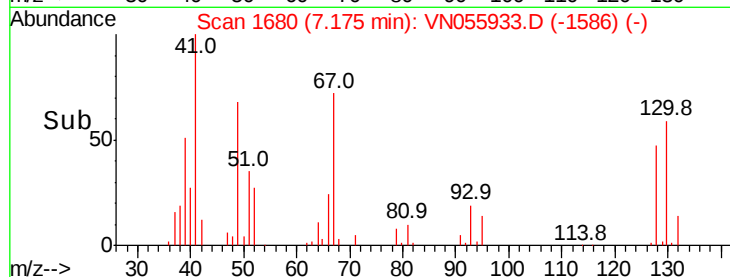
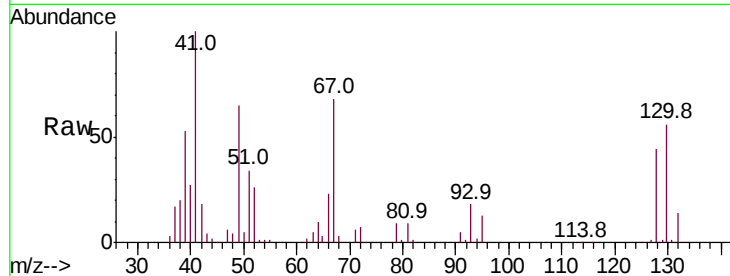
#41
Methacrylonitrile
Concen: 53.973 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055933.D
Acq: 31 May 2019 21:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	105163
Ion	Ratio	Lower	Upper
41	100		
39	51.9	45.6	68.4
67	79.2	67.7	101.5
52	30.8	26.6	40.0

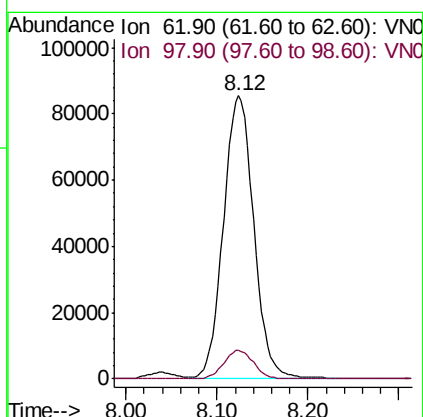
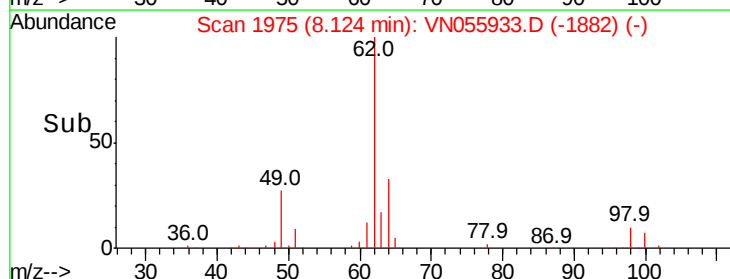
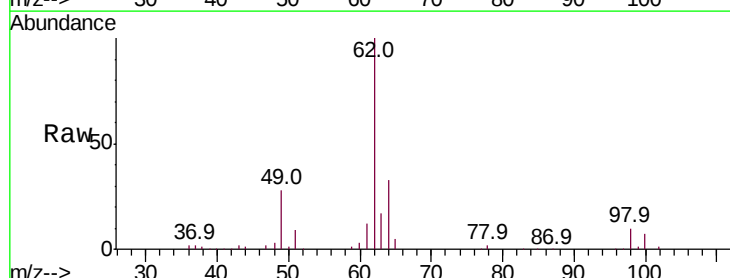
Manual Integrations
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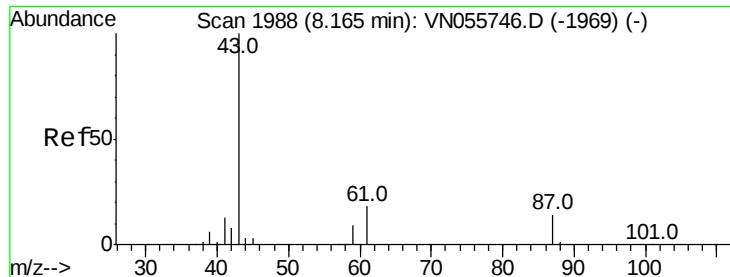
MMDadoda
6/3/2019 4:12:26 PM



#42
1,2-Dichloroethane
Concen: 50.175 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055933.D
Acq: 31 May 2019 21:25

Tgt Ion	62	Resp	197176
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.2





#43

Isopropyl Acetate

Concen: 49.324 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055933.D

Acq: 31 May 2019 21:25

Instrument :

MSVOA_N

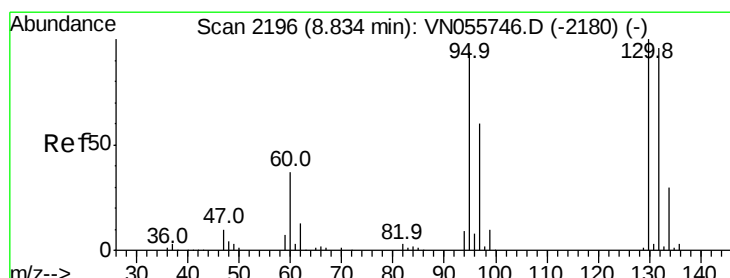
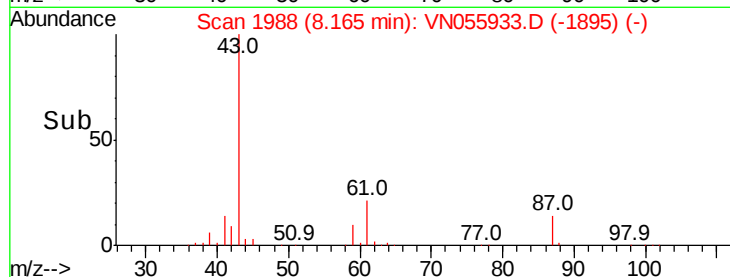
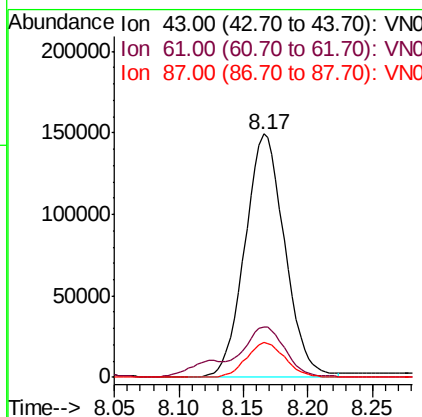
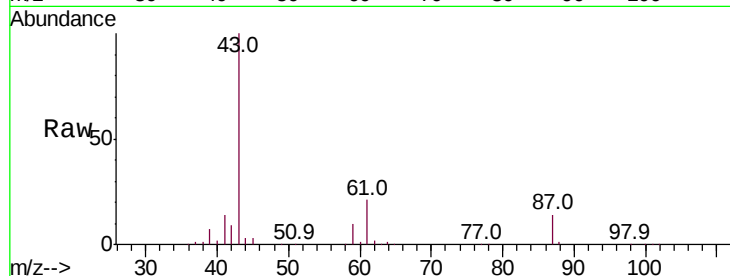
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	319618
Ion Ratio	Lower	Upper	
43	100		
61	21.4	22.2	33.4#
87	14.2	11.4	17.2

Manual Integrations
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#44

Trichloroethene

Concen: 49.299 ug/l

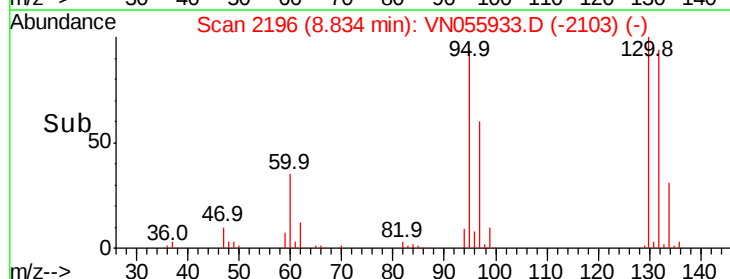
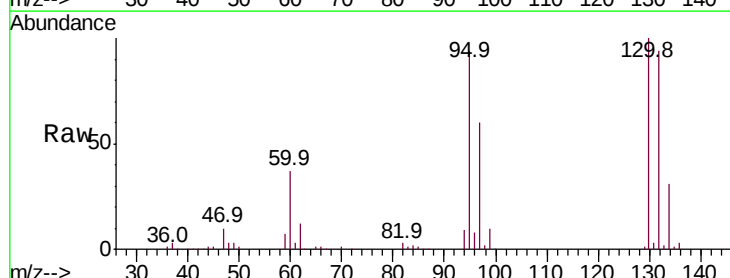
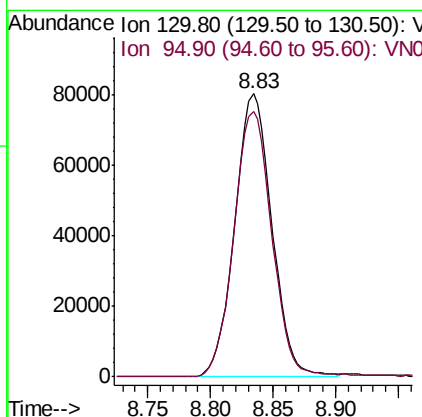
RT: 8.83 min Scan# 2196

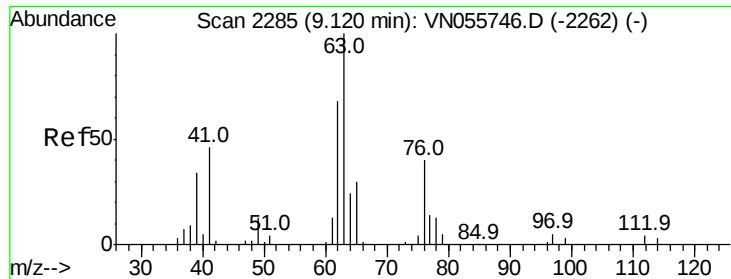
Delta R.T. 0.00 min

Lab File: VN055933.D

Acq: 31 May 2019 21:25

Tgt Ion:	130	Resp:	165287
Ion Ratio	Lower	Upper	
130	100		
95	93.7	0.0	188.0





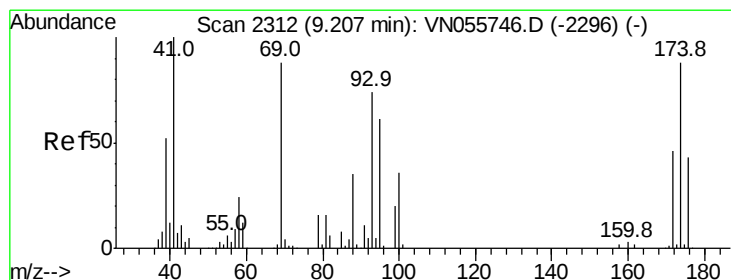
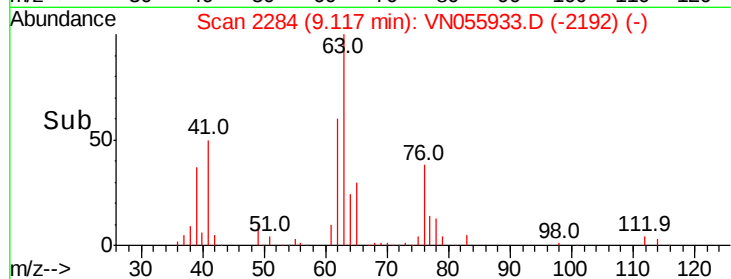
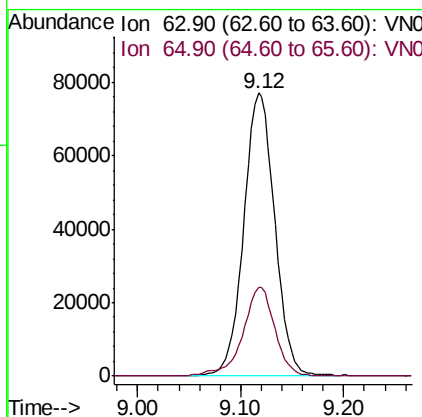
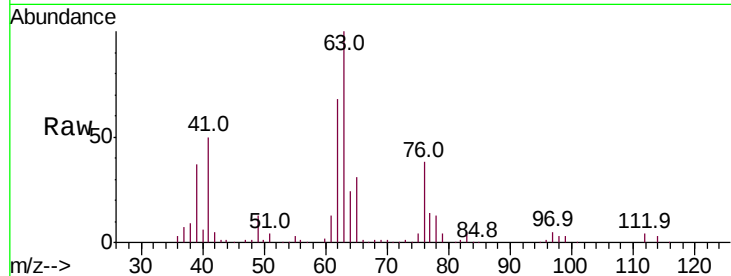
#45
 1,2-Dichloropropane
 Concen: 51.382 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055933.D
 Acq: 31 May 2019 21:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.6	36.8

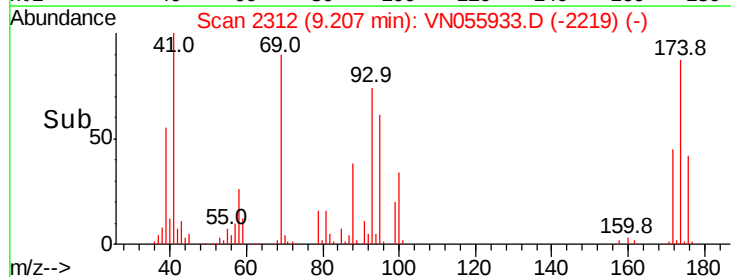
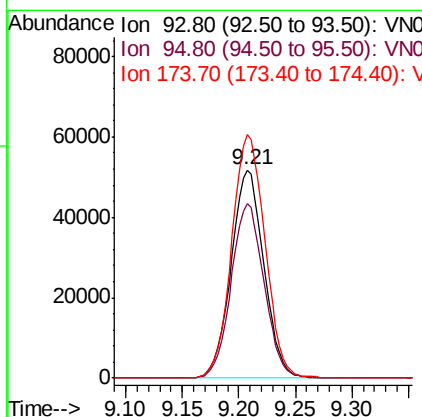
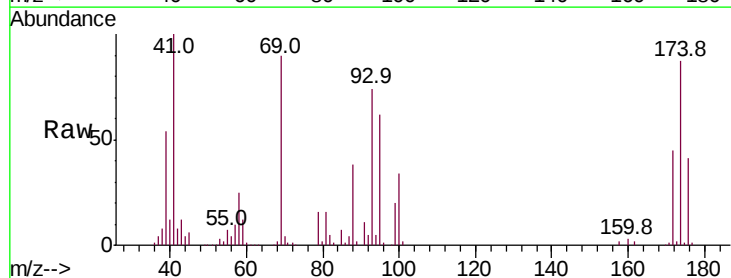
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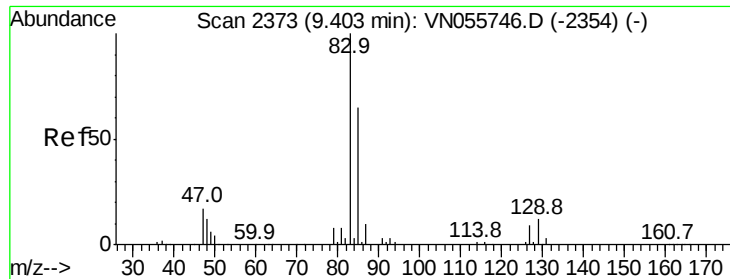
MMDadoda
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#46
 Dibromomethane
 Concen: 50.756 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055933.D
 Acq: 31 May 2019 21:25

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.0	66.7	100.1
174	118.8	96.4	144.6





#47

Bromodichloromethane

Concen: 47.264 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055933.D

Acq: 31 May 2019 21:25

Instrument :

MSVOA_N

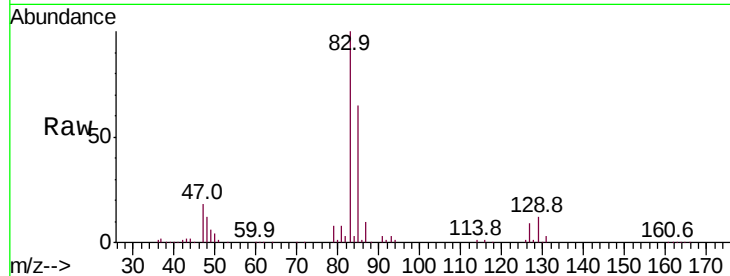
ClientSampleId :

VSTDCCC050

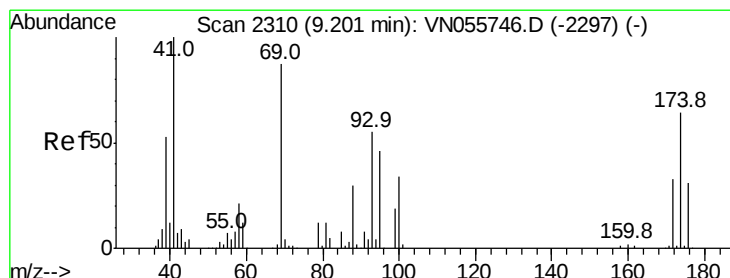
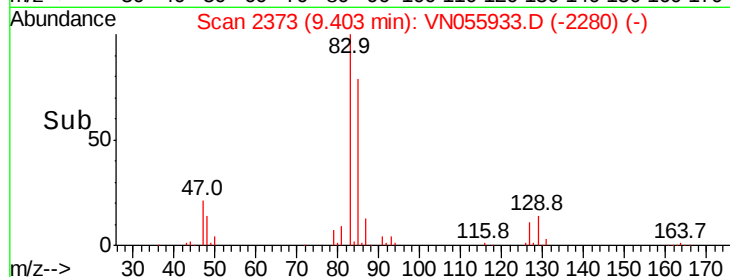
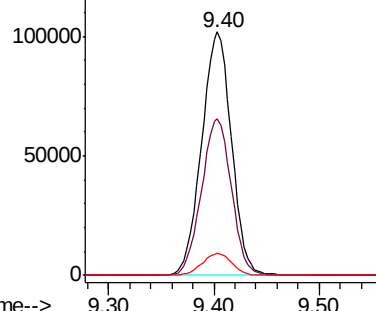
Tot Ion:	83	Resp:	199153
Ion Ratio	Lower	Upper	
83	100		
85	64.5	52.2	78.2
127	9.0	7.4	11.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN055933.D (-2280) (-)



#48

Methyl methacrylate

Concen: 52.110 ug/l

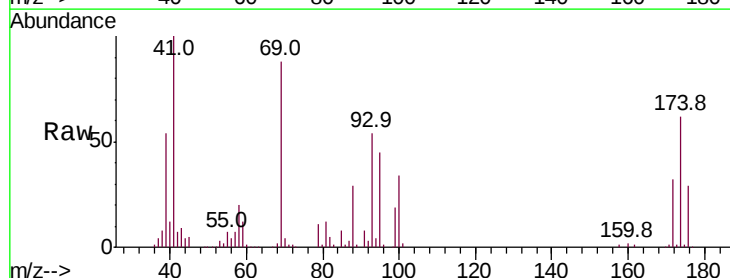
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

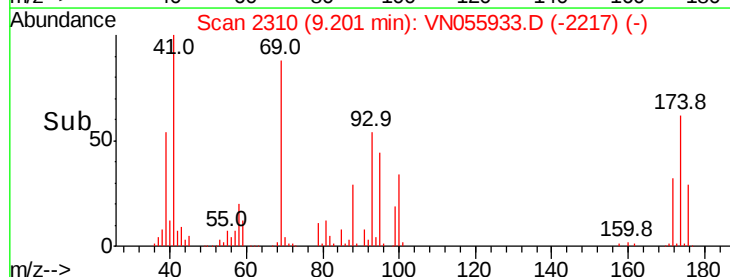
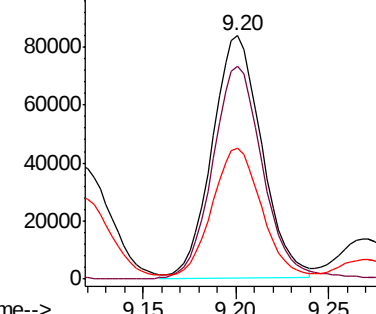
Lab File: VN055933.D

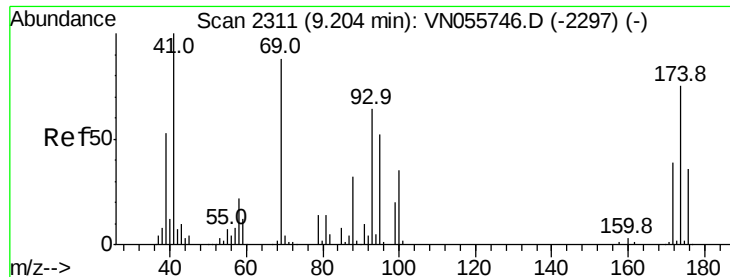
Acq: 31 May 2019 21:25

Tgt Ion:	41	Resp:	155625
Ion Ratio	Lower	Upper	
41	100		
69	88.6	71.0	106.6
39	54.5	44.2	66.2



Abundance Ion 41.00 (40.70 to 41.70): VN055933.D (-2217) (-)





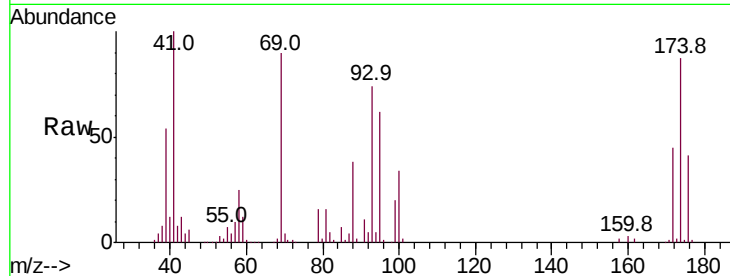
#49
1,4-Dioxane
Concen: 1019.176 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN055933.D
Acq: 31 May 2019 21:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.1	20.5	30.7
58	65.2	55.8	83.6

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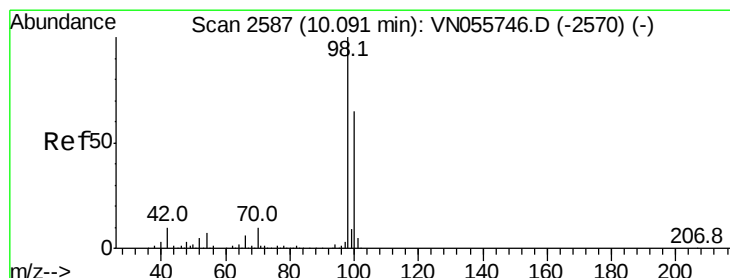
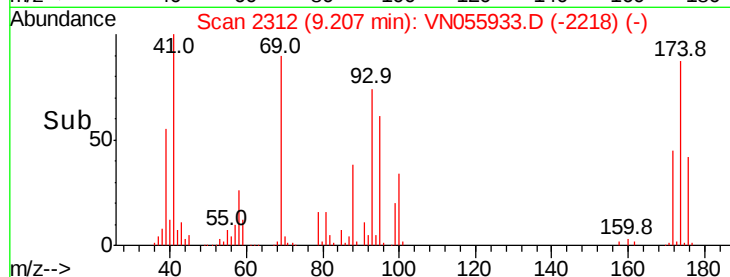
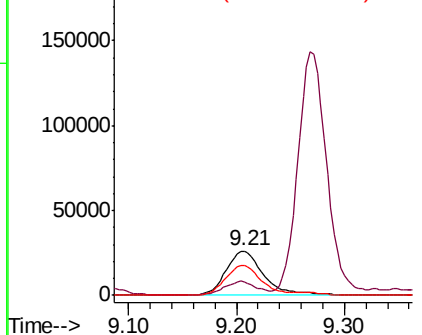


Abundance

Ion 88.00 (87.70 to 88.70): VN055933.D (-2218) (-)

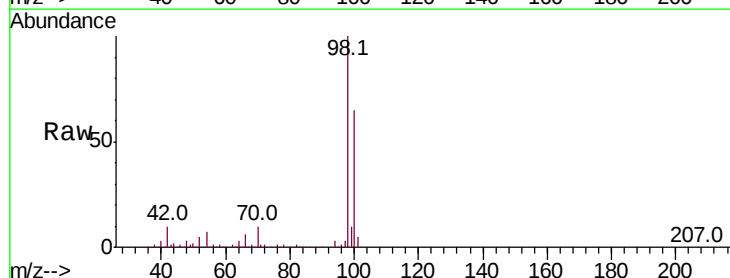
Ion 43.00 (42.70 to 43.70): VN055933.D (-2218) (-)

Ion 58.00 (57.70 to 58.70): VN055933.D (-2218) (-)



#50
Toluene-d8
Concen: 50.154 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055933.D
Acq: 31 May 2019 21:25

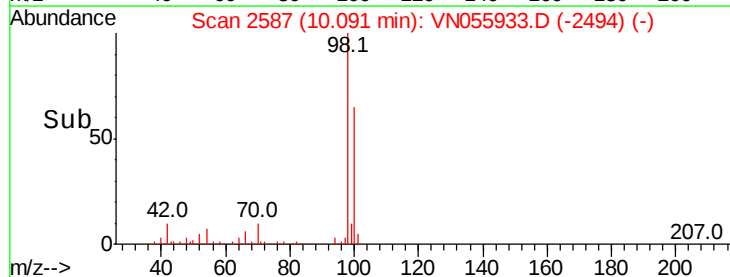
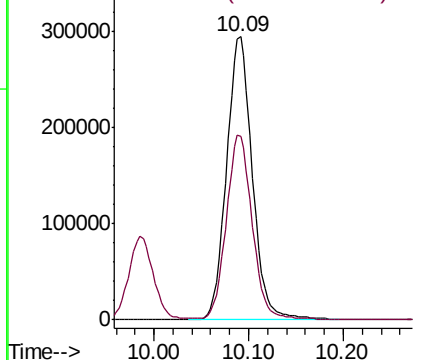
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	51.9	77.9

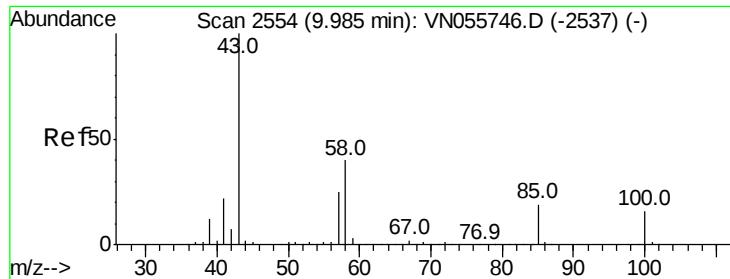


Abundance

Ion 98.00 (97.70 to 98.70): VN055933.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN055933.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 260.216 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055933.D

Acq: 31 May 2019 21:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 995863

Ion Ratio Lower Upper

43 100

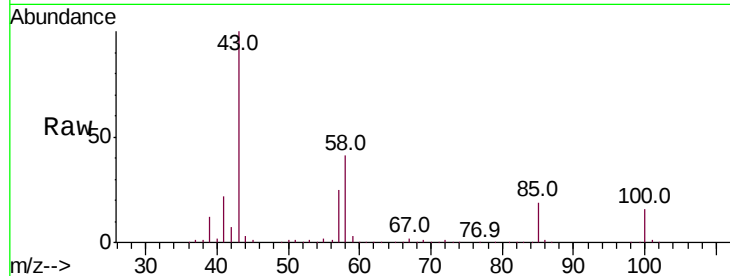
58 40.3 32.1 48.1

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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

500000

400000

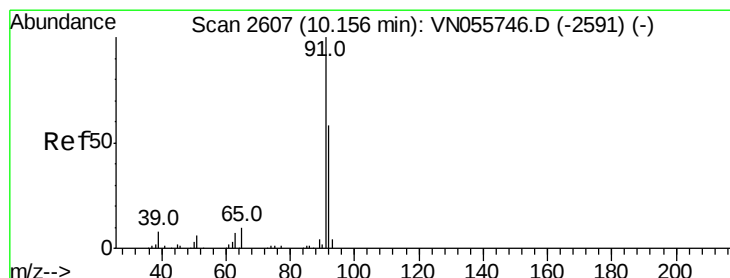
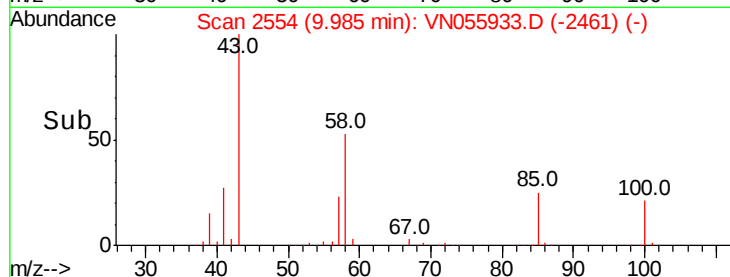
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.180 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055933.D

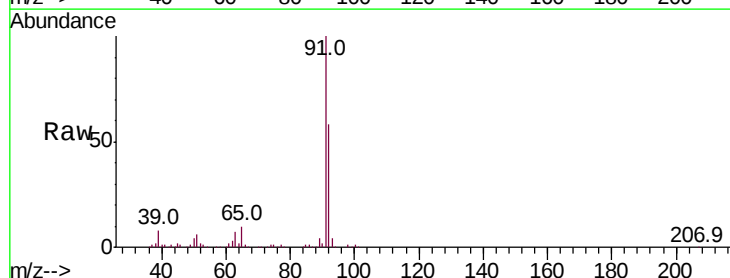
Acq: 31 May 2019 21:25

Tgt Ion: 92 Resp: 379545

Ion Ratio Lower Upper

92 100

91 173.4 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

400000

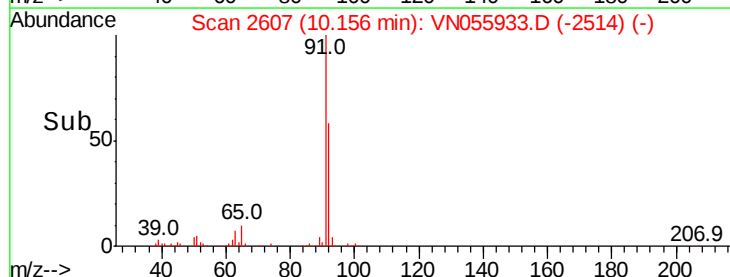
300000

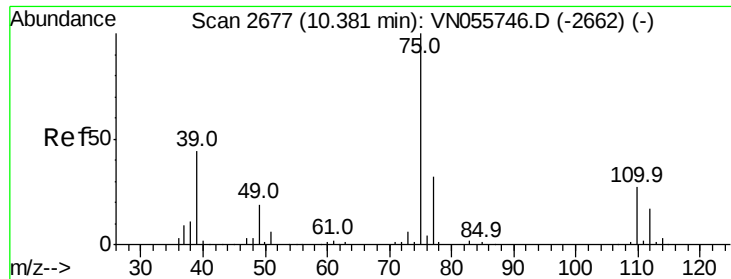
200000

100000

0

Time-->





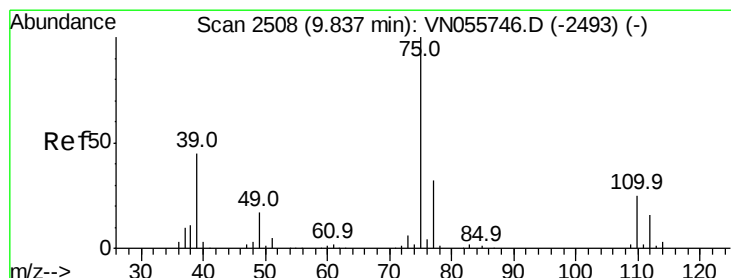
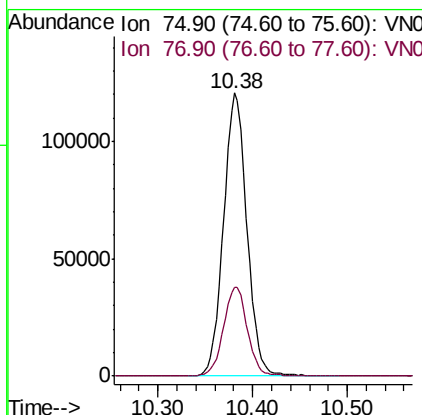
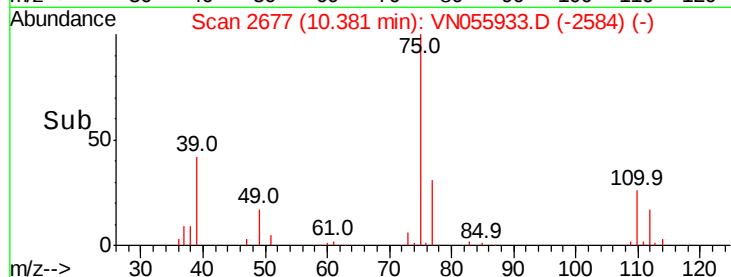
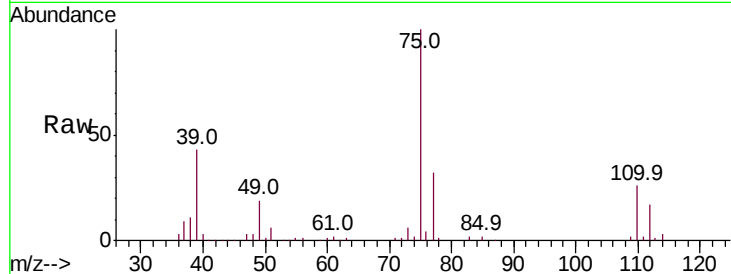
#53
 t-1,3-Dichloropropene
 Concen: 46.198 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN055933.D
 Acq: 31 May 2019 21:25

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 75 Resp: 207783
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.8 38.6

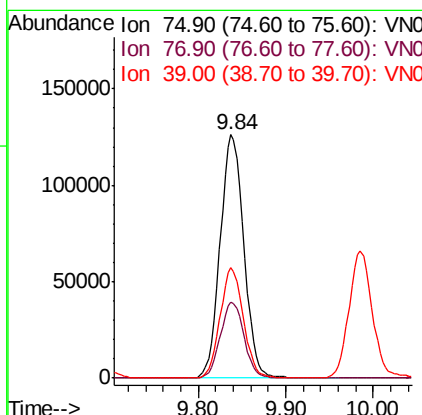
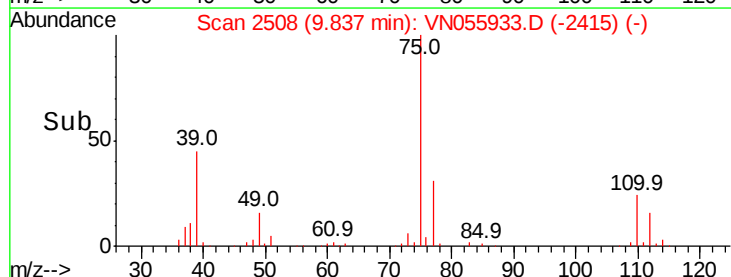
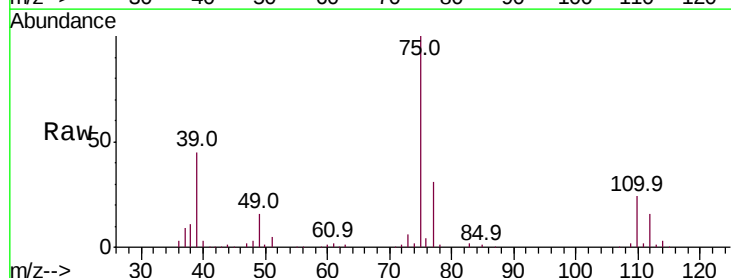
Manual Integrations
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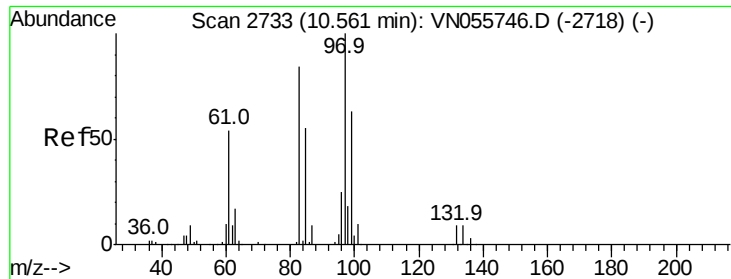
MMDadoda
 6/3/2019 4:12:26 PM



#54
 cis-1,3-Dichloropropene
 Concen: 47.729 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN055933.D
 Acq: 31 May 2019 21:25

Tgt Ion: 75 Resp: 237816
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.4 38.0
 39 45.5 36.3 54.5





#55

1,1,2-Trichloroethane

Concen: 52.133 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055933.D

Acq: 31 May 2019 21:25

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 97 Resp: 157969

Ion Ratio Lower Upper

97 100

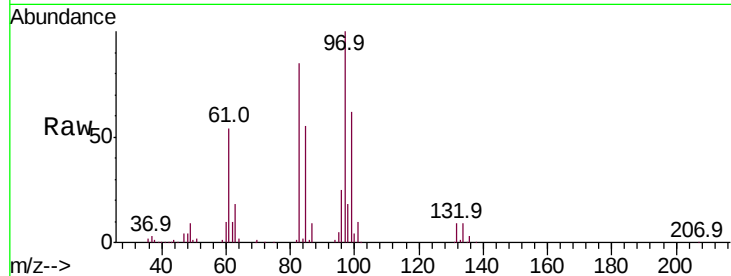
83 84.8 67.0 100.6

85 55.3 44.0 66.0

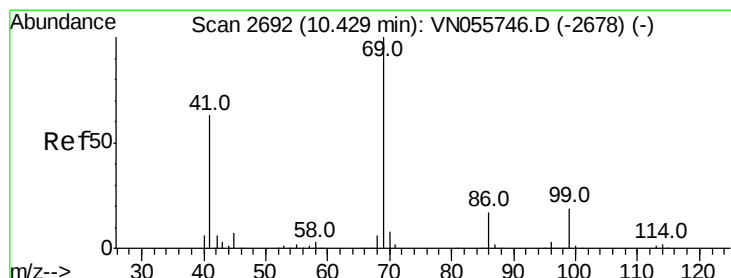
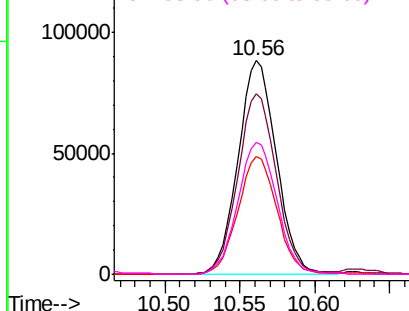
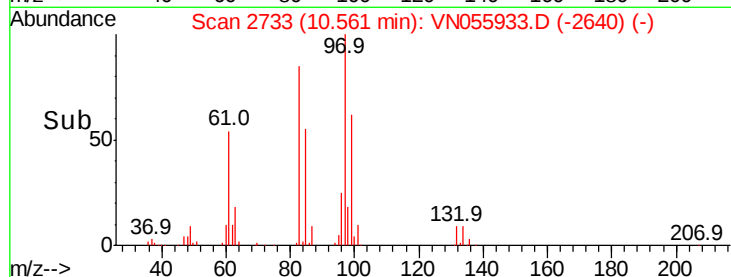
99 61.7 50.6 75.8

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6/3/2019 4:12:26 PM



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 50.612 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055933.D

Acq: 31 May 2019 21:25

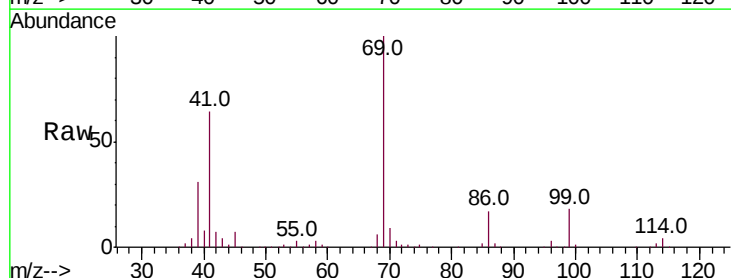
Tgt Ion: 69 Resp: 237011

Ion Ratio Lower Upper

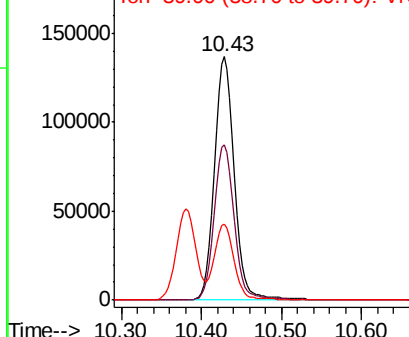
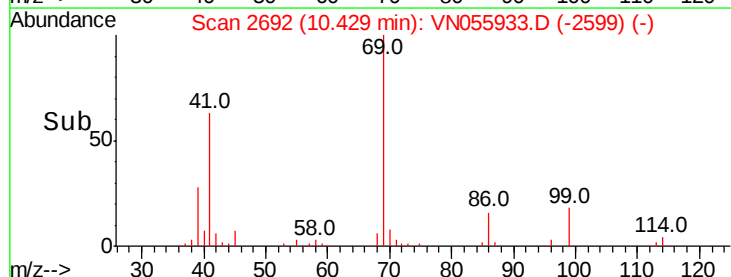
69 100

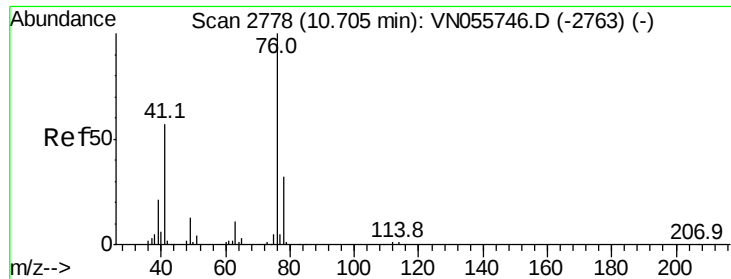
41 63.2 49.7 74.5

39 30.4 24.7 37.1



Abundance Ion 69.00 (68.70 to 69.70): VNO
Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 52.011 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055933.D

Acq: 31 May 2019 21:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 256170

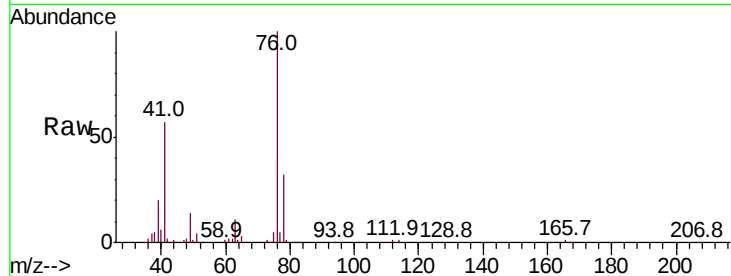
Ion Ratio Lower Upper

76 100

78 32.4 25.8 38.6

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Abundance Ion 75.90 (75.60 to 76.60): VN055933.D (-2685) (-)

Ion 77.90 (77.60 to 78.60): VN055933.D (-2685) (-)

10.71

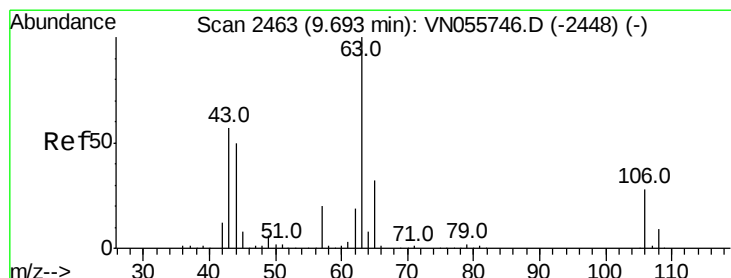
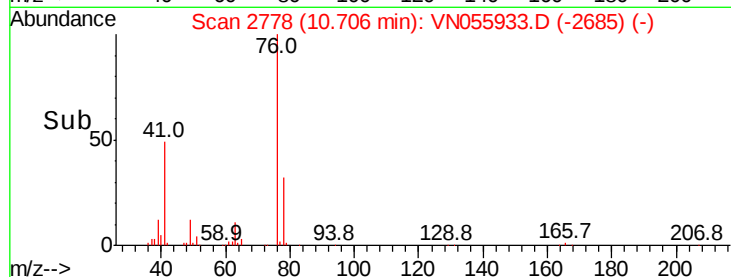
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 240.260 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055933.D

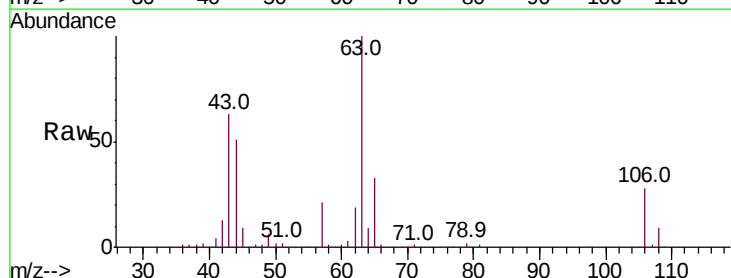
Acq: 31 May 2019 21:25

Tgt Ion: 63 Resp: 429974

Ion Ratio Lower Upper

63 100

106 28.0 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN055933.D (-2370) (-)

Ion 105.90 (105.60 to 106.60): VN055933.D (-2370) (-)

9.69

250000

200000

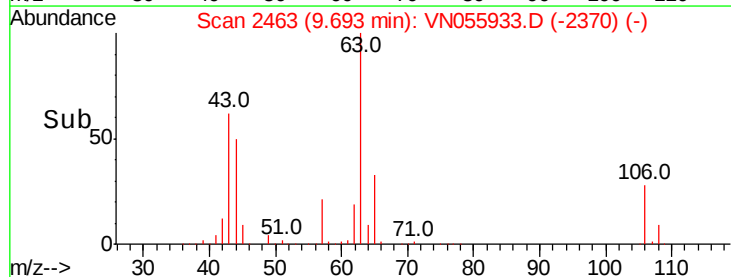
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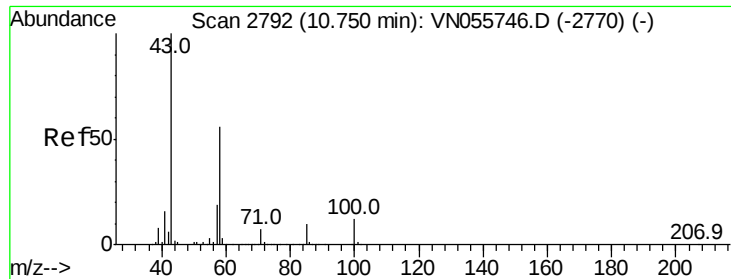
100000

50000

0

Time--> 9.60 9.70 9.80





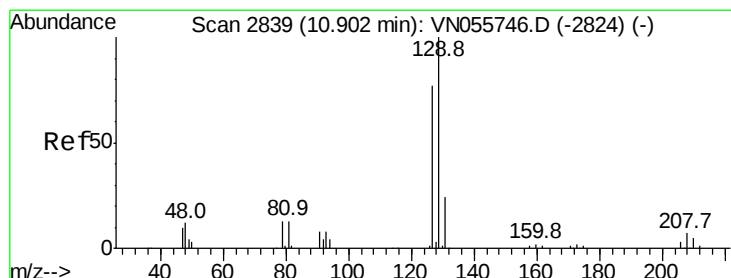
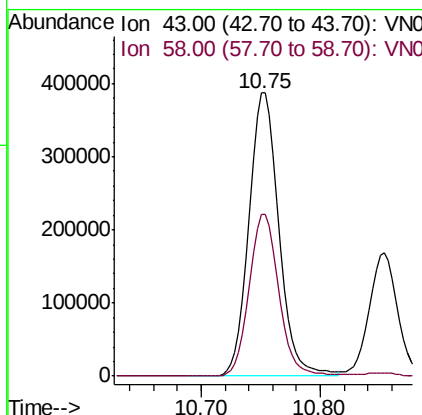
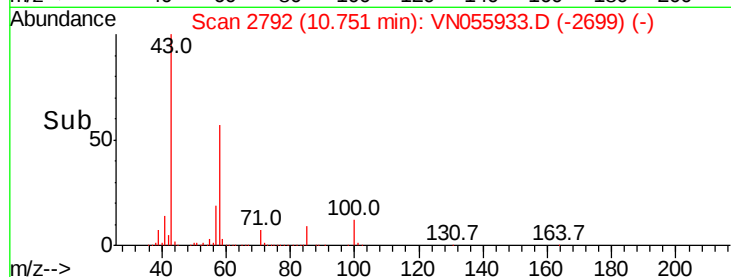
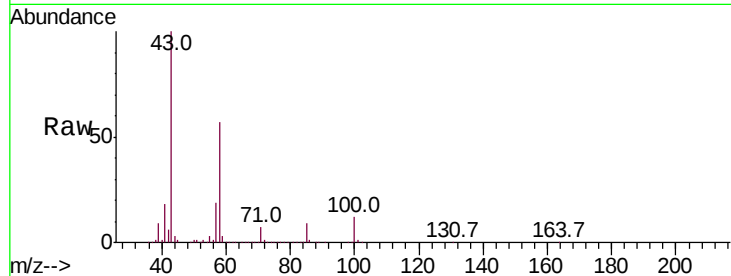
#59
2-Hexanone
Concen: 248.793 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055933.D
Acq: 31 May 2019 21:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 675462
Ion Ratio Lower Upper
43 100
58 56.9 28.2 84.7

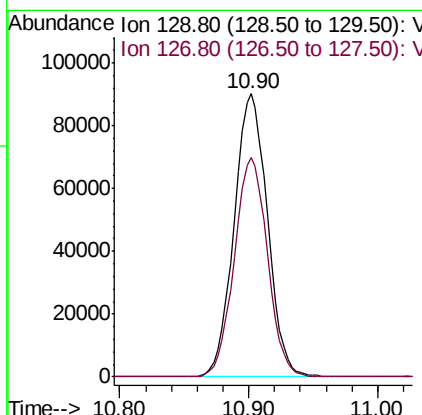
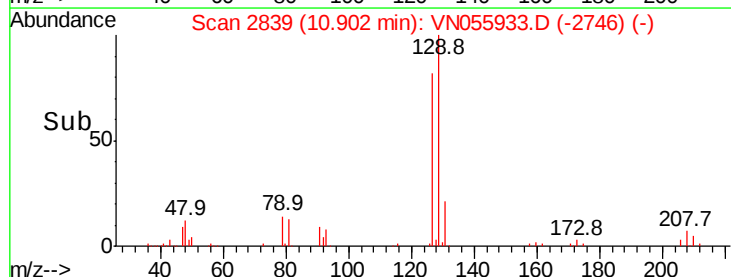
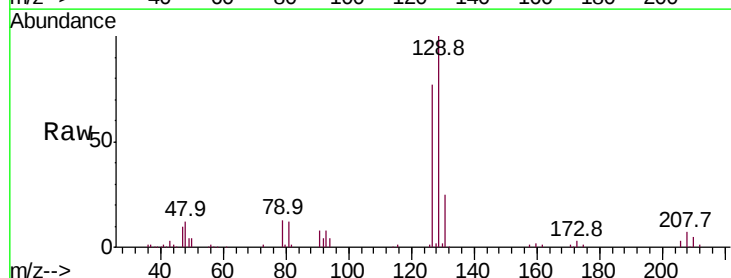
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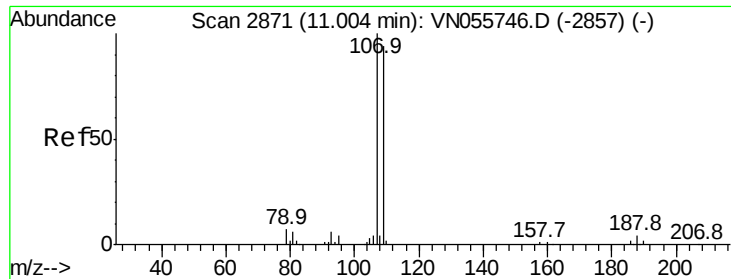
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#60
Dibromochloromethane
Concen: 45.928 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055933.D
Acq: 31 May 2019 21:25

Tgt Ion: 129 Resp: 162119
Ion Ratio Lower Upper
129 100
127 77.0 38.1 114.3





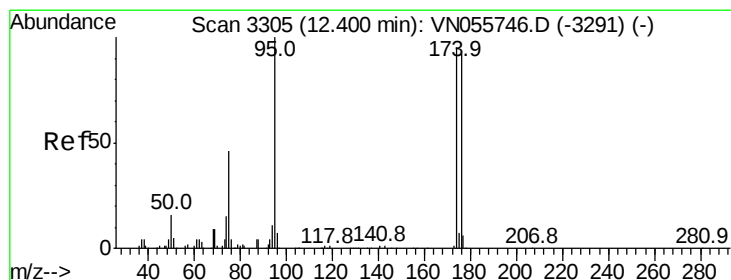
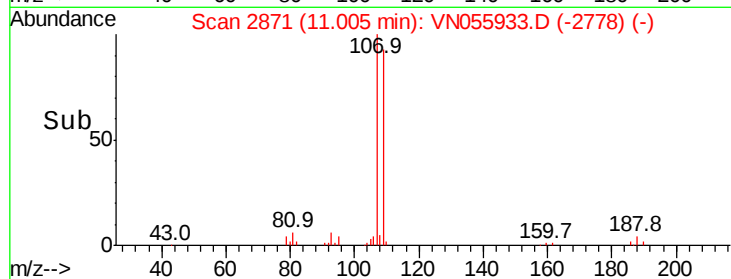
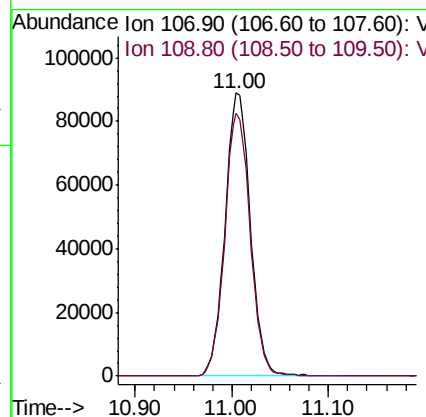
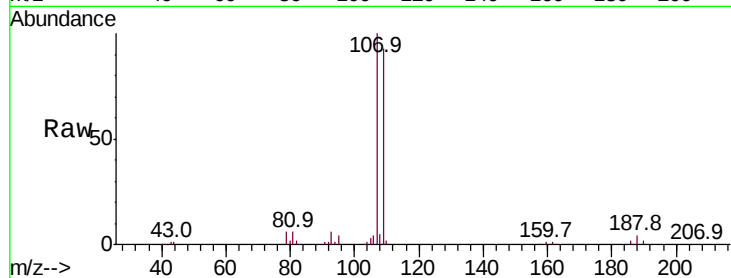
#61
 1,2-Dibromoethane
 Concen: 51.486 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055933.D
 Acq: 31 May 2019 21:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	74.8	112.2

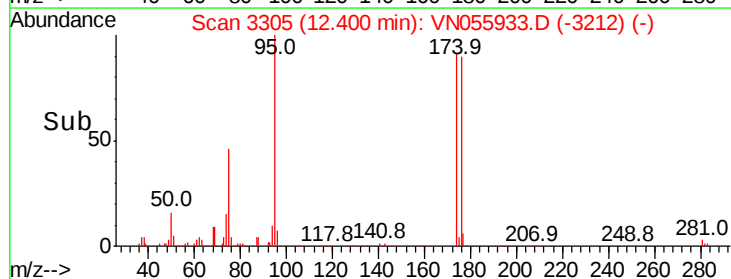
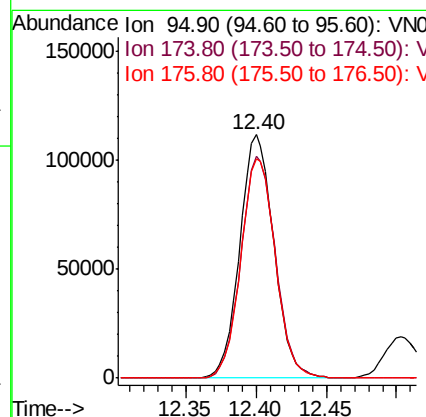
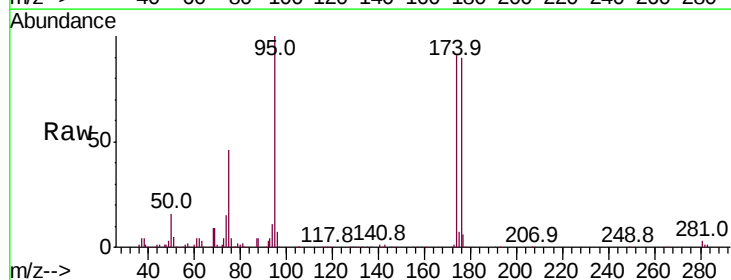
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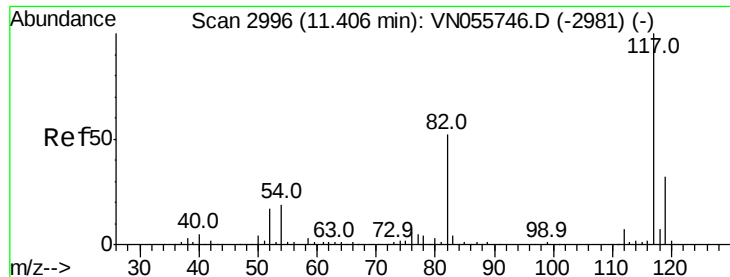
MMDadoda
 6/3/2019 4:12:26 PM



#62
 4-Bromofluorobenzene
 Concen: 49.865 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055933.D
 Acq: 31 May 2019 21:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.2	0.0	191.0
176	91.6	0.0	185.2





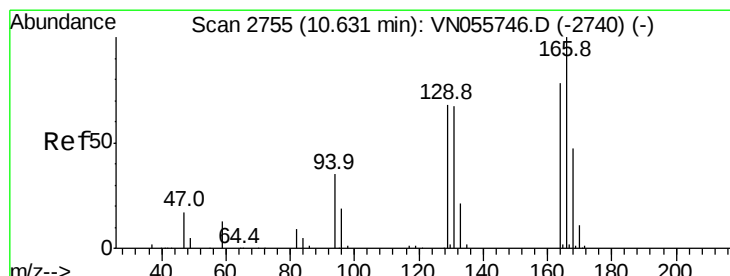
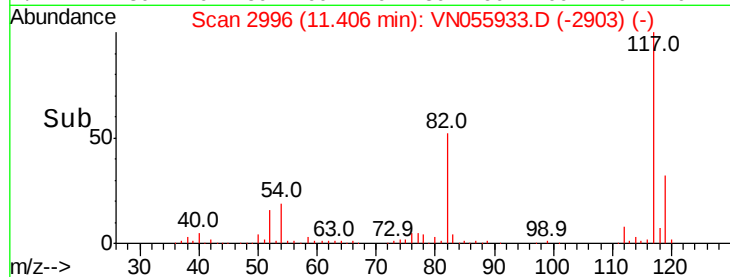
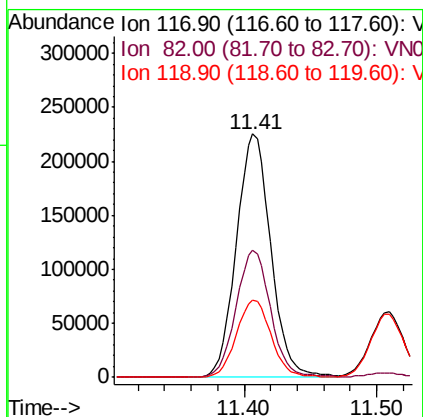
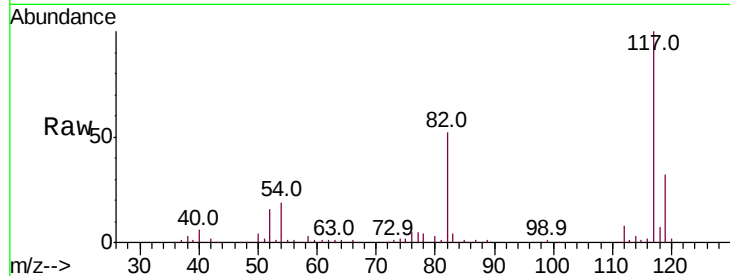
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055933.D
Acq: 31 May 2019 21:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	406867		
82	52.2	41.8	62.8	
119	31.8	25.4	38.0	

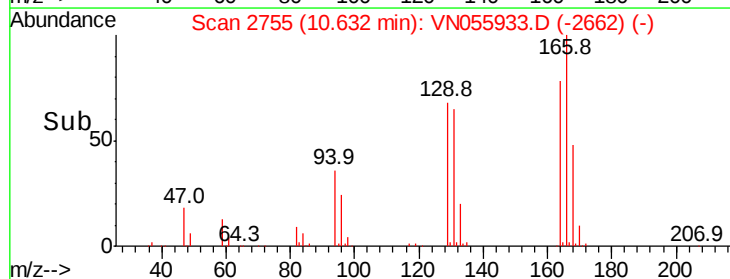
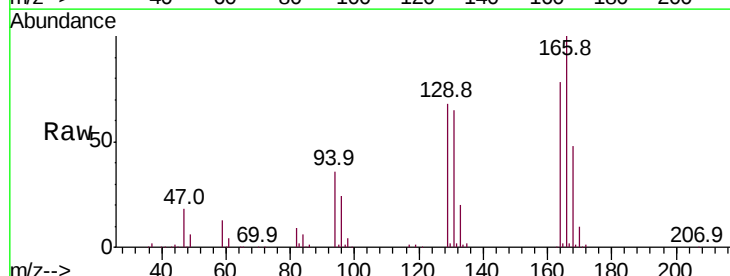
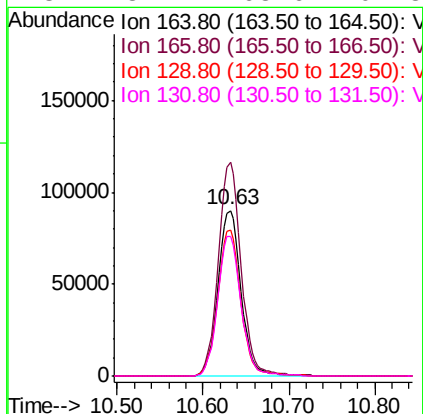
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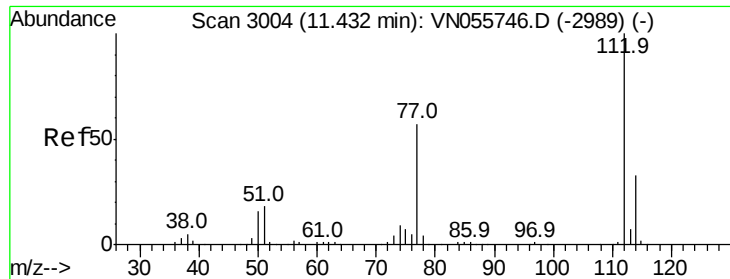
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#64
Tetrachloroethene
Concen: 49.068 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055933.D
Acq: 31 May 2019 21:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	168383		
166	128.9	103.0	154.6	
129	88.2	70.6	105.8	
131	84.2	68.6	102.8	





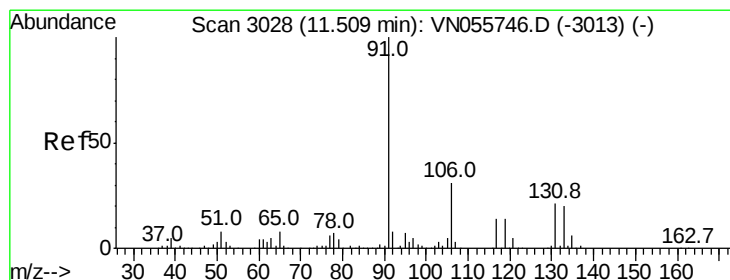
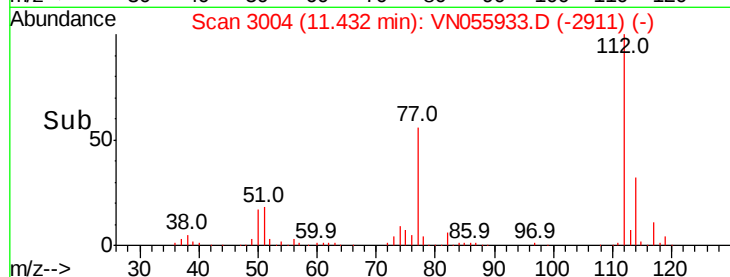
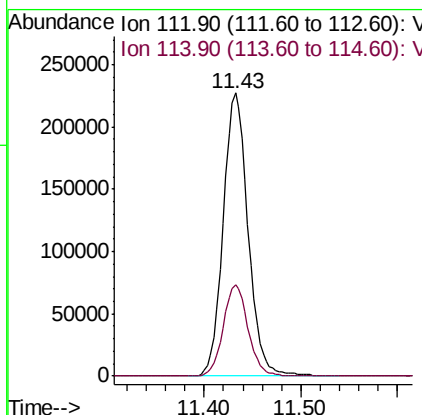
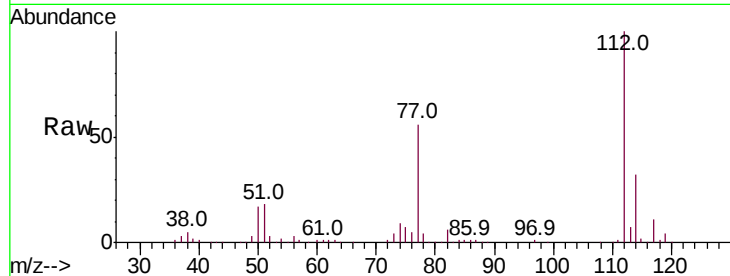
#65
Chlorobenzene
Concen: 49.865 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055933.D
Acq: 31 May 2019 21:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 406147
Ion Ratio Lower Upper
112 100
114 32.1 26.2 39.4

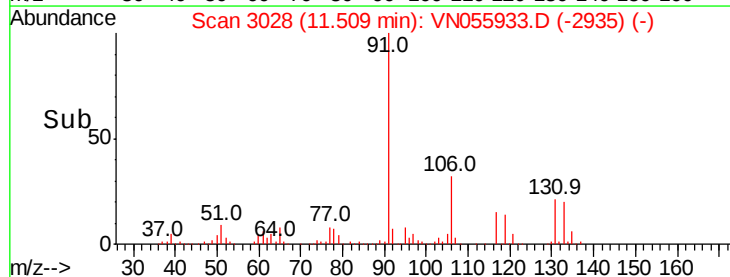
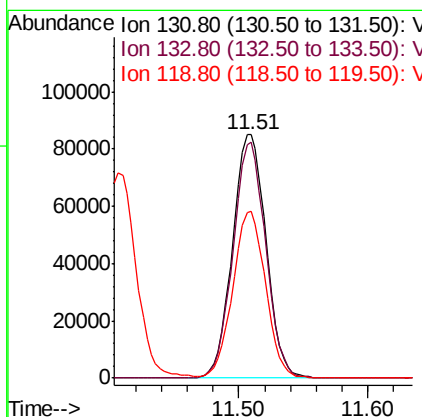
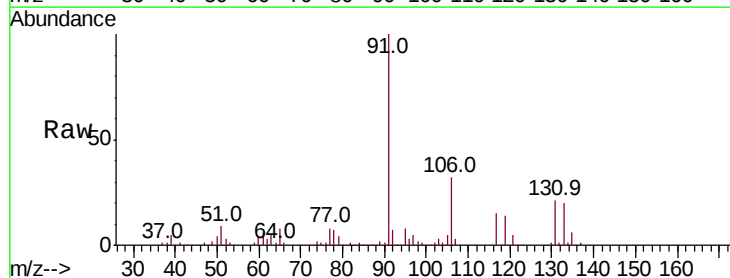
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.236 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055933.D
Acq: 31 May 2019 21:25

Tgt Ion:131 Resp: 153446
Ion Ratio Lower Upper
131 100
133 94.6 48.0 144.0
119 67.2 33.1 99.5





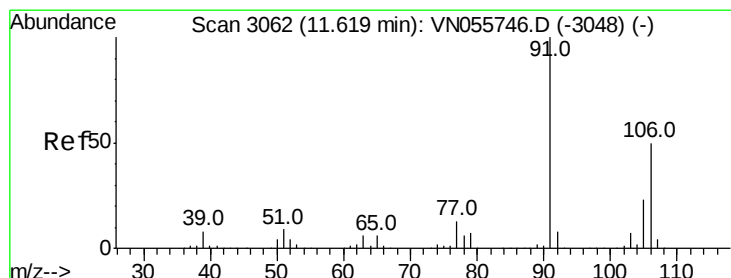
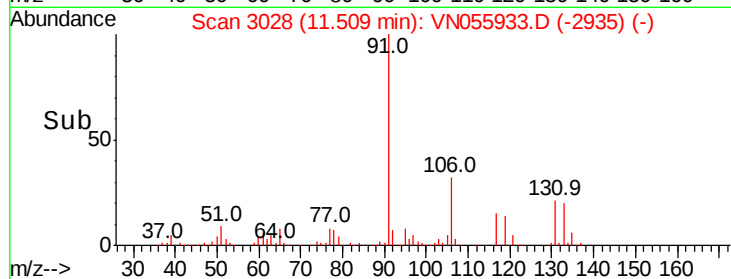
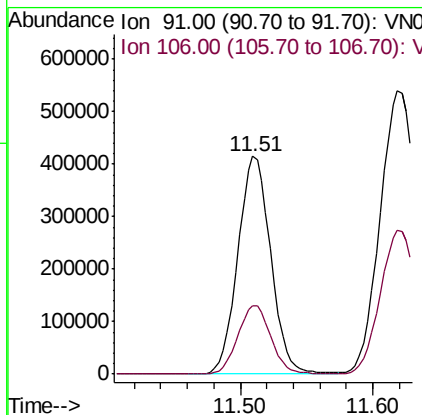
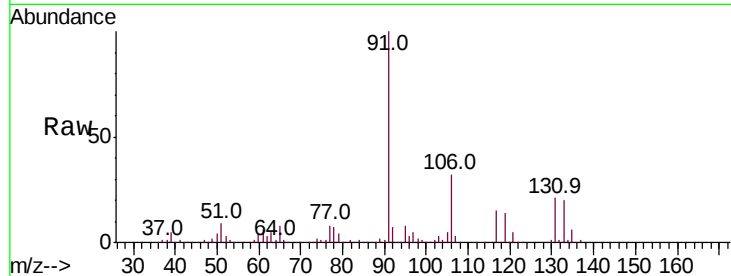
#67
Ethyl Benzene
Concen: 48.969 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055933.D
Acq: 31 May 2019 21:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 715253
Ion Ratio Lower Upper
91 100
106 31.6 25.1 37.7

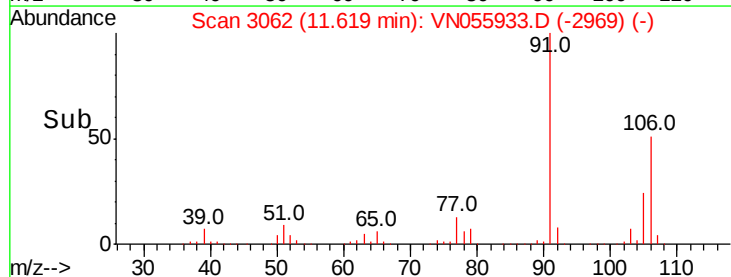
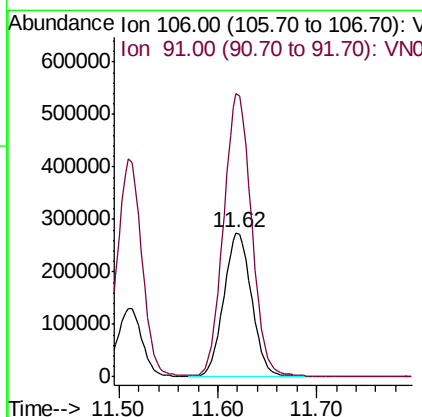
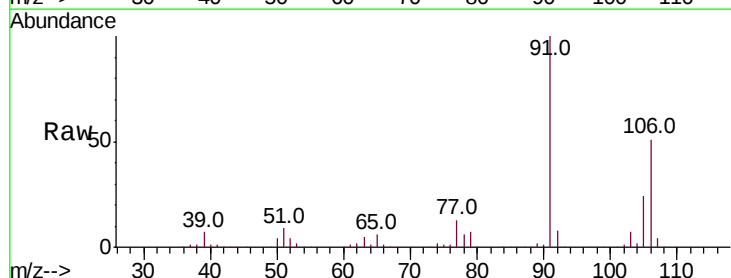
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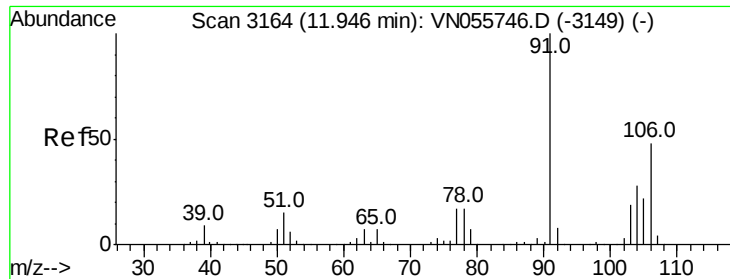
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#68
m/p-Xylenes
Concen: 98.626 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055933.D
Acq: 31 May 2019 21:25

Tgt Ion: 106 Resp: 544601
Ion Ratio Lower Upper
106 100
91 197.3 159.3 238.9





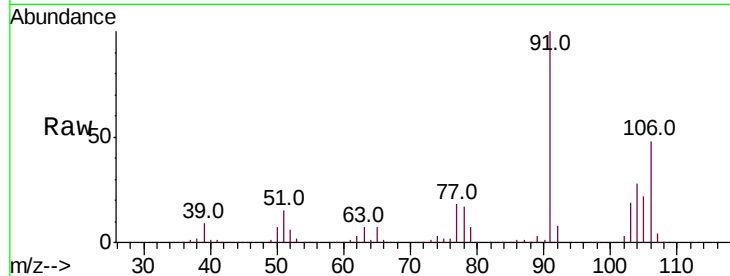
#69
o-Xylene
Concen: 49.417 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055933.D
Acq: 31 May 2019 21:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

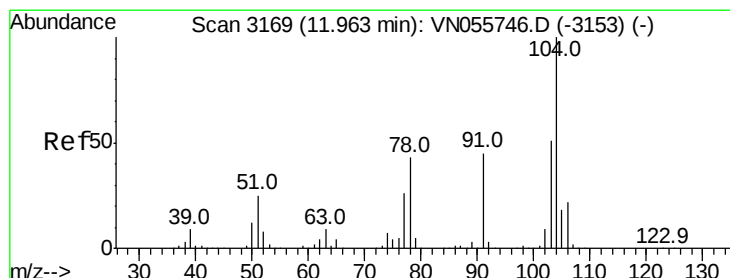
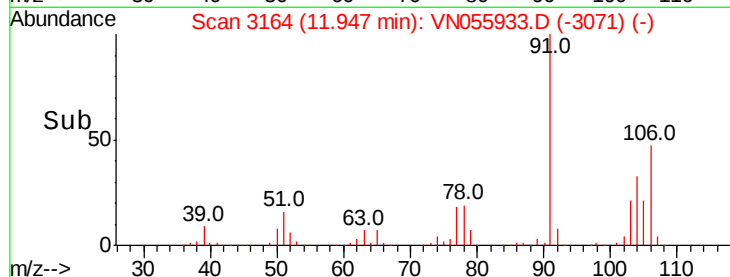
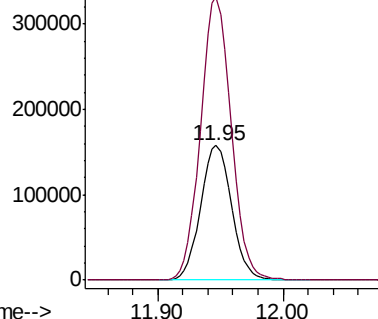
Tot Ion:106 Resp: 270731
Ion Ratio Lower Upper
106 100
91 207.7 104.7 314.1

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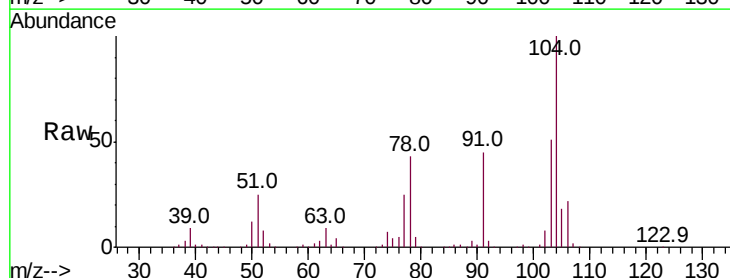


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

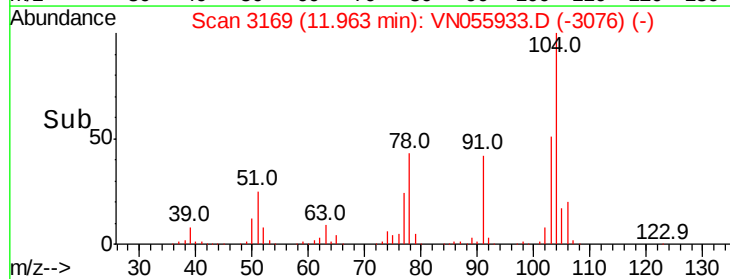
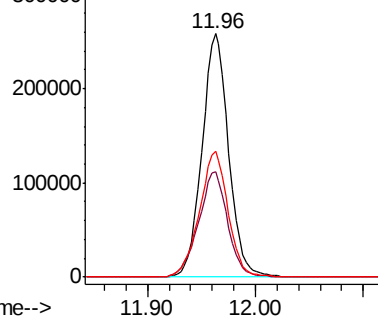


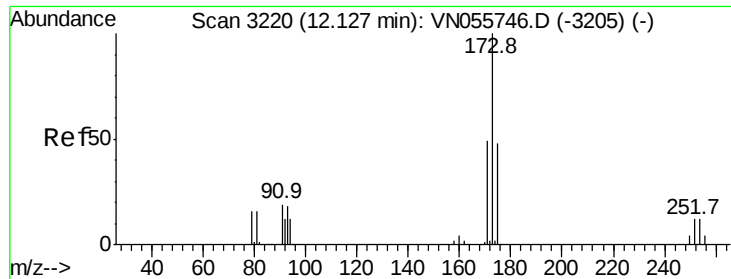
#70
Styrene
Concen: 50.086 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055933.D
Acq: 31 May 2019 21:25

Tgt Ion:104 Resp: 444353
Ion Ratio Lower Upper
104 100
78 47.2 37.8 56.6
103 55.7 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





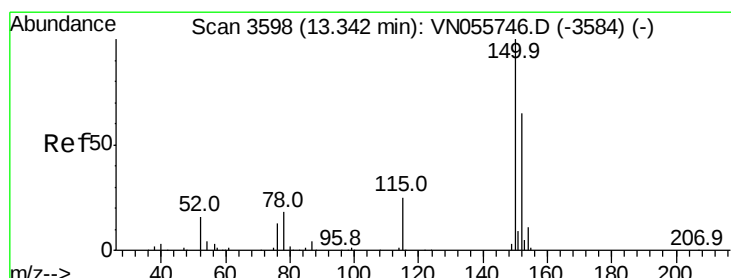
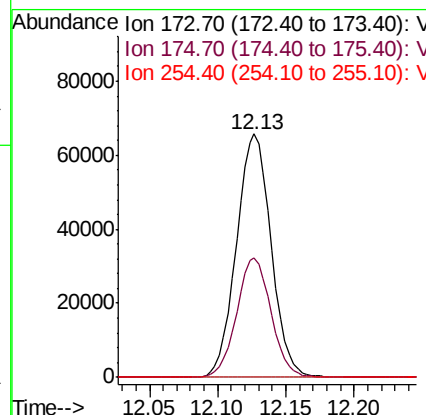
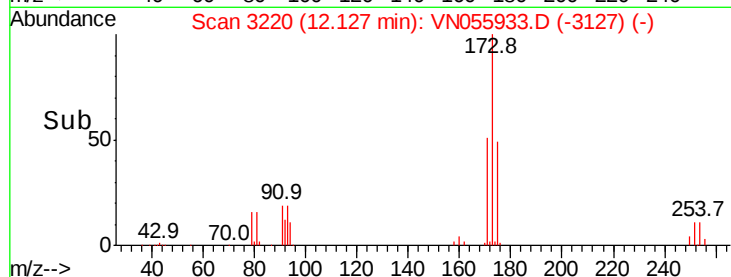
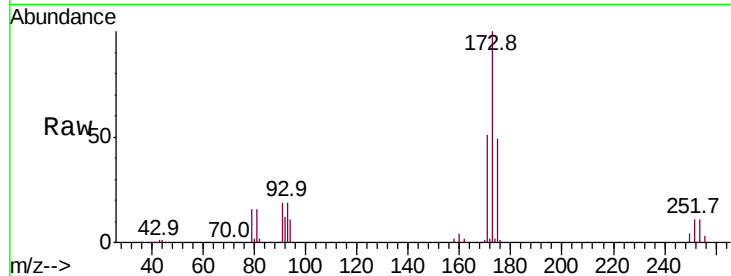
#71
Bromoform
Concen: 41.766 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055933.D
Acq: 31 May 2019 21:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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

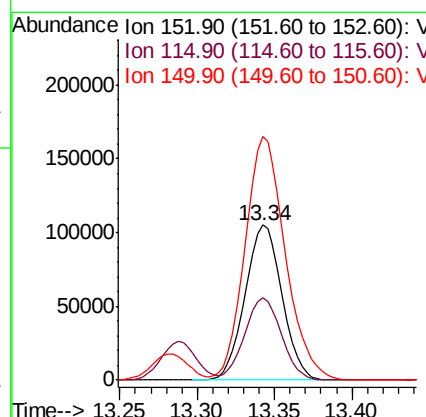
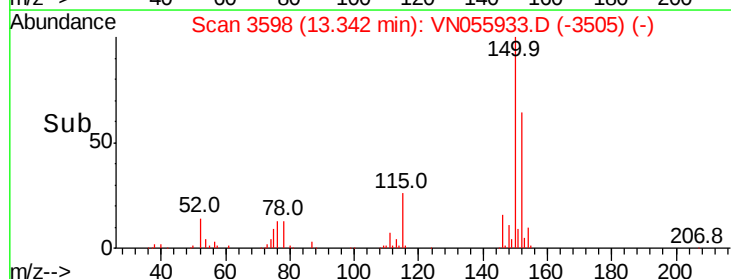
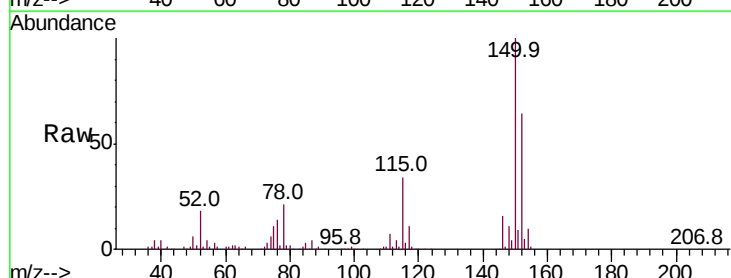
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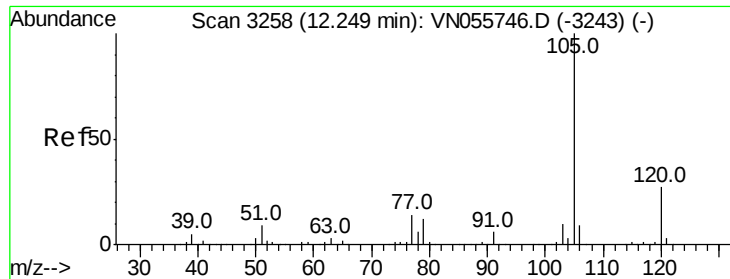
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055933.D
Acq: 31 May 2019 21:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.3	27.0	81.0
150	171.4	0.0	343.2





#73

Isopropylbenzene

Concen: 57.641 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055933.D

Acq: 31 May 2019 21:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 709509

Ion Ratio Lower Upper

105 100

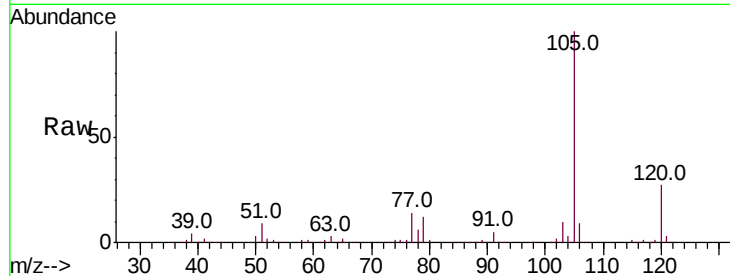
120 26.9 13.6 40.7

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

400000

300000

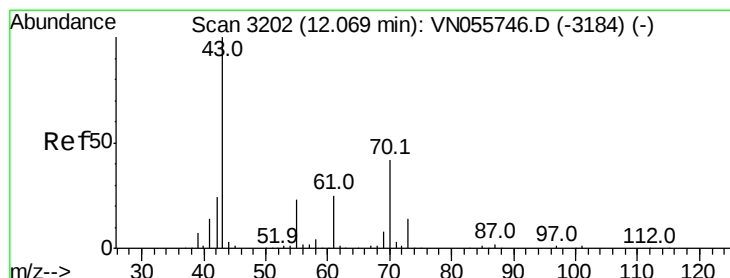
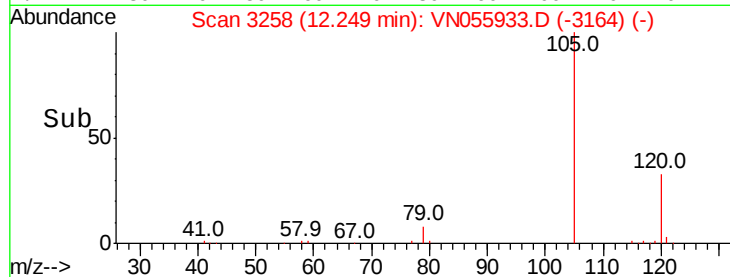
200000

100000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 54.192 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055933.D

Acq: 31 May 2019 21:25

Tgt Ion: 43 Resp: 254841

Ion Ratio Lower Upper

43 100

70 43.1 34.0 51.0

55 24.5 18.6 28.0

61 24.7 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

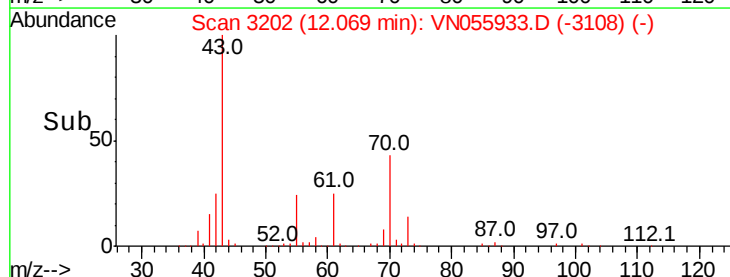
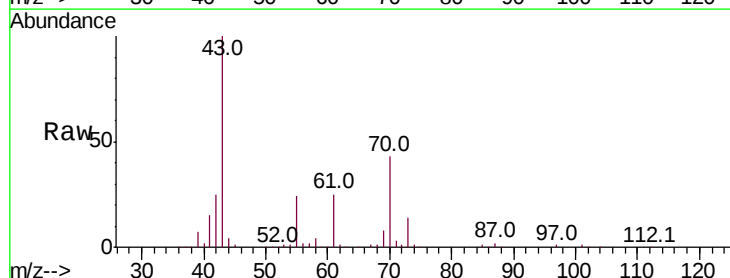
100000

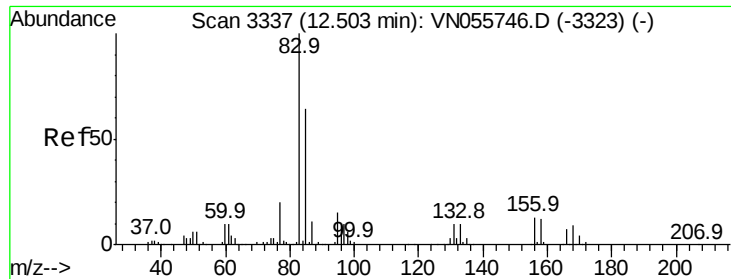
50000

0

Time-->

12.00 12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 58.780 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055933.D

Acq: 31 May 2019 21:25

Instrument :

MSVOA_N

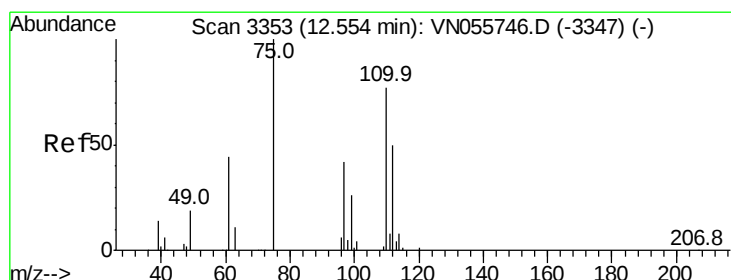
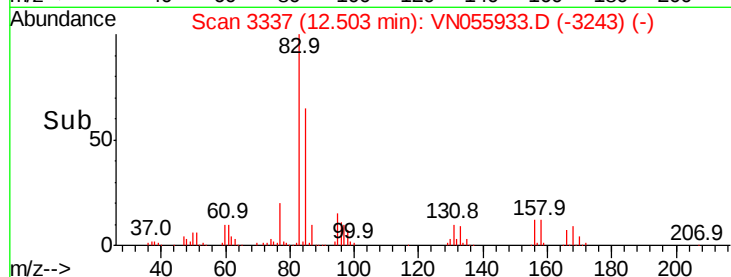
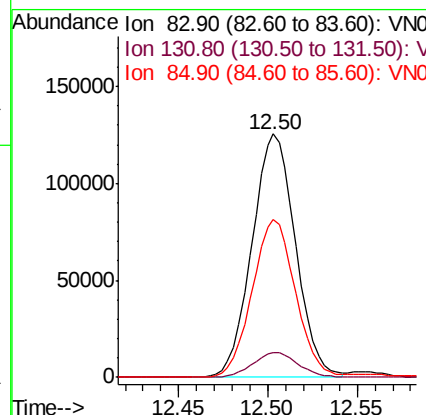
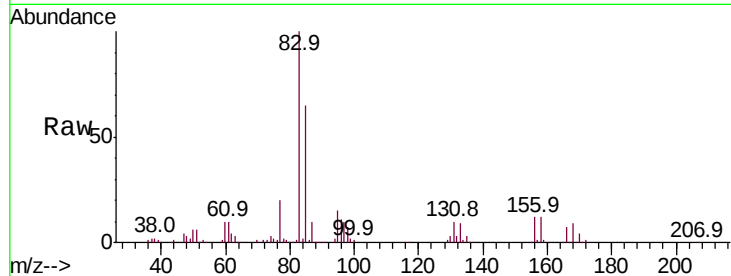
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	213678
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.4	16.2
85	64.7	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 59.027 ug/l m

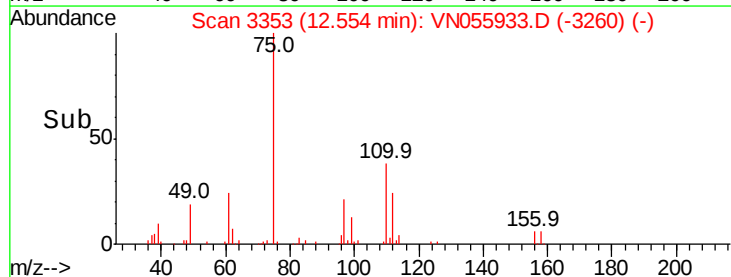
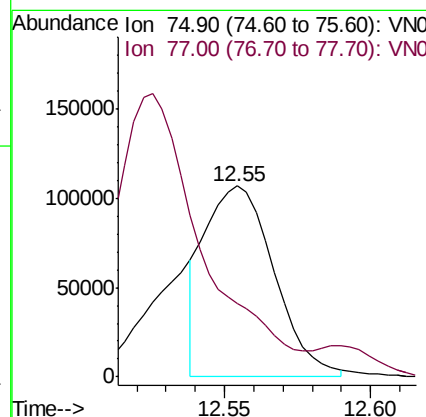
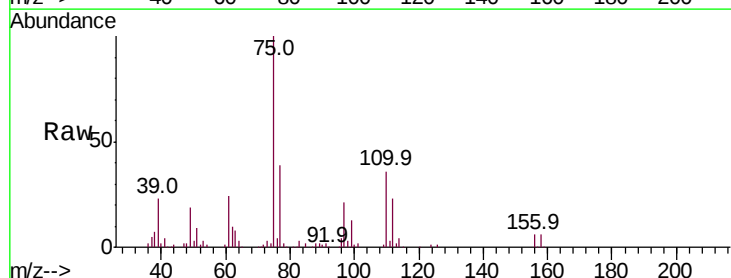
RT: 12.55 min Scan# 3353

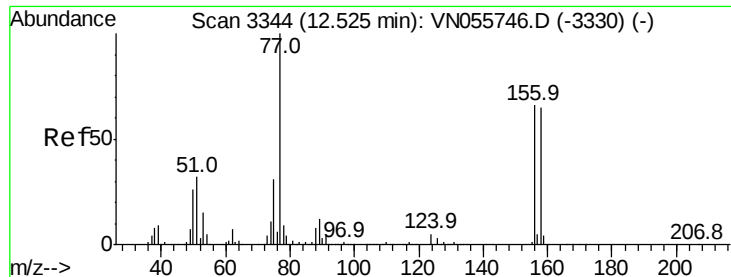
Delta R.T. 0.00 min

Lab File: VN055933.D

Acq: 31 May 2019 21:25

Tgt Ion:	75	Resp:	175422
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.657 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055933.D

Acq: 31 May 2019 21:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 184664

Ion Ratio Lower Upper

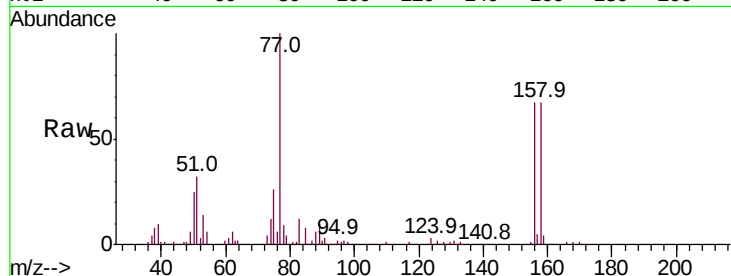
156 100

77 182.5 90.8 272.5

158 98.4 49.3 147.8

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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V

200000

150000

100000

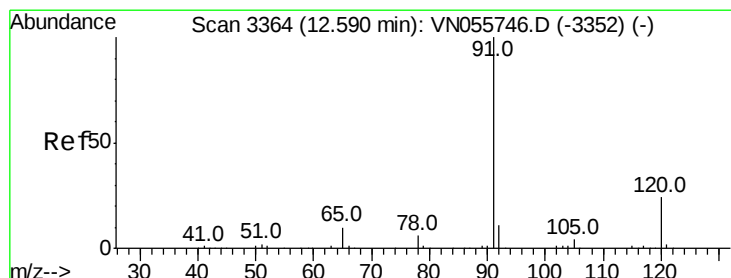
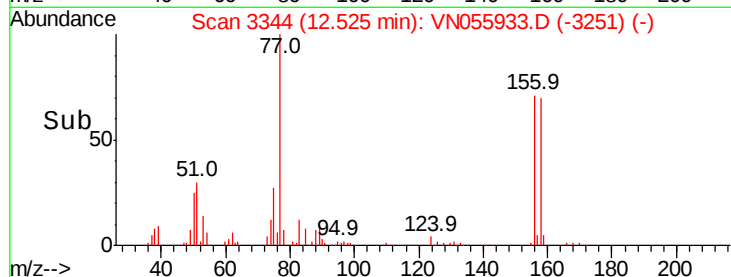
50000

0

12.53

12.60

Time-->



#78

n-propylbenzene

Concen: 49.723 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055933.D

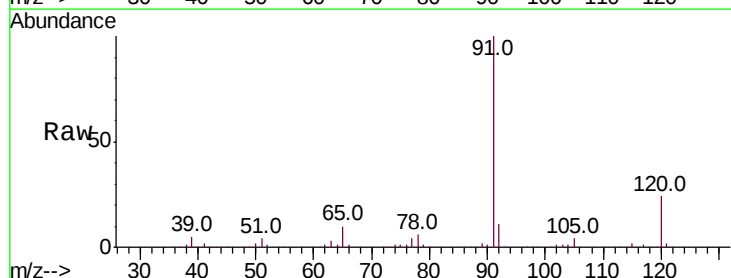
Acq: 31 May 2019 21:25

Tgt Ion: 91 Resp: 753138

Ion Ratio Lower Upper

91 100

120 24.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

200000

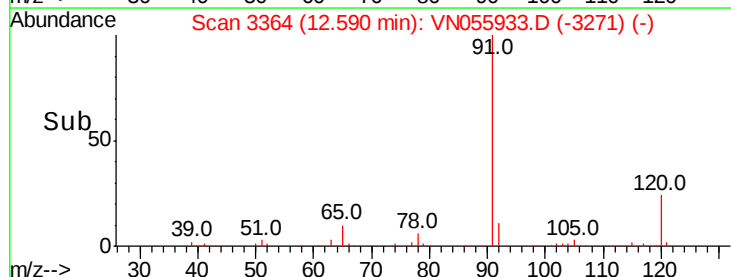
100000

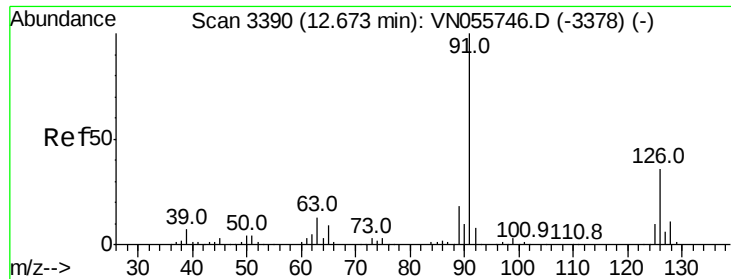
0

12.59

12.65

Time-->





#79

2-Chlorotoluene

Concen: 56.467 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055933.D

Acq: 31 May 2019 21:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 458007

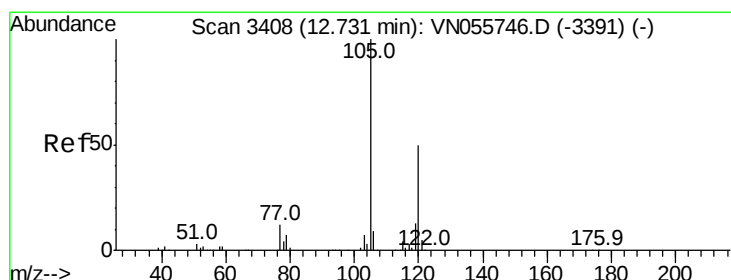
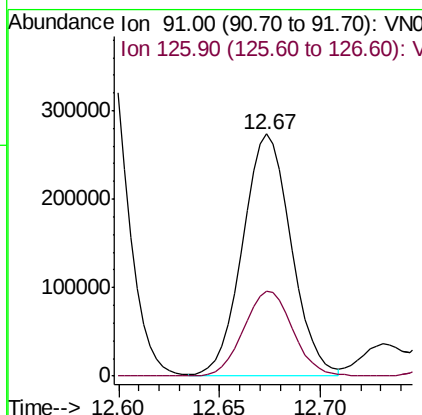
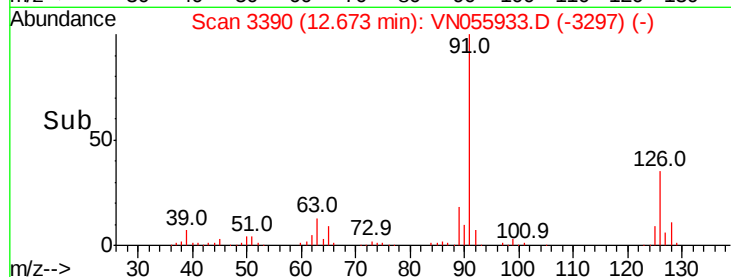
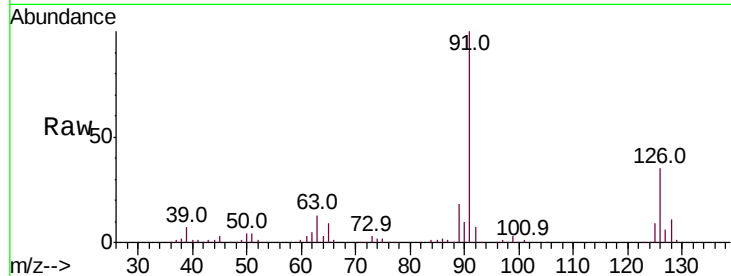
Ion Ratio Lower Upper

91 100

126 35.8 18.1 54.4

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 55.213 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055933.D

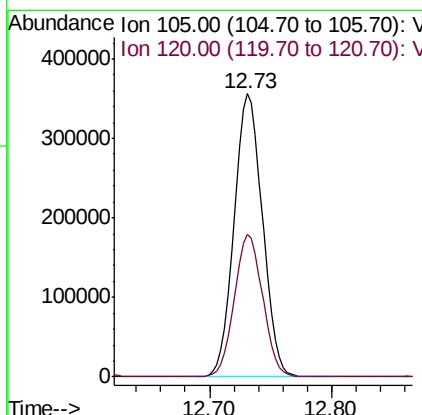
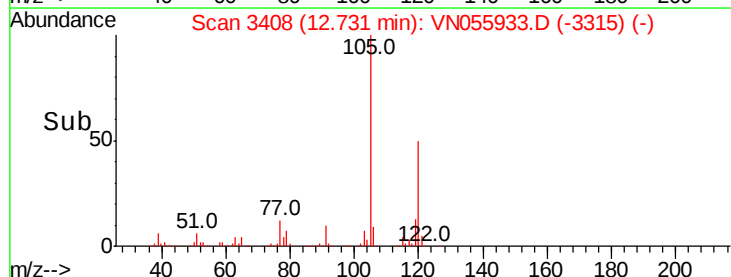
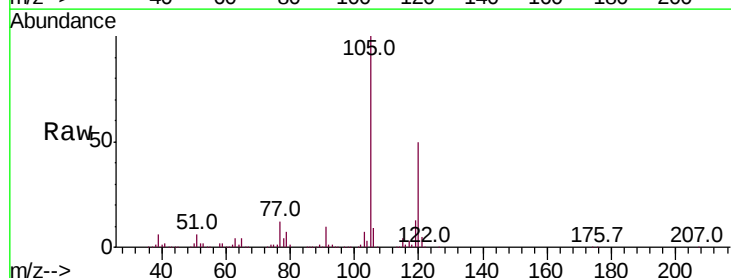
Acq: 31 May 2019 21:25

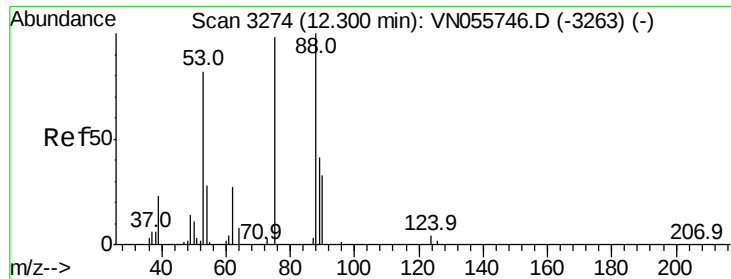
Tgt Ion:105 Resp: 573347

Ion Ratio Lower Upper

105 100

120 50.2 24.7 74.1





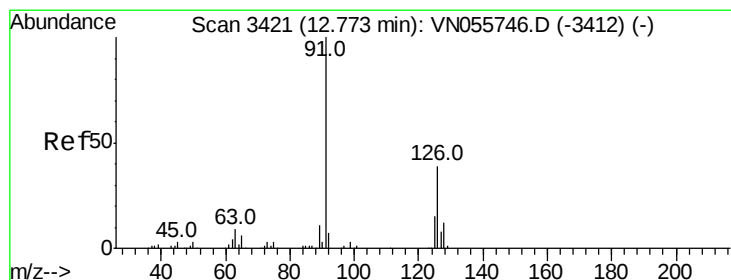
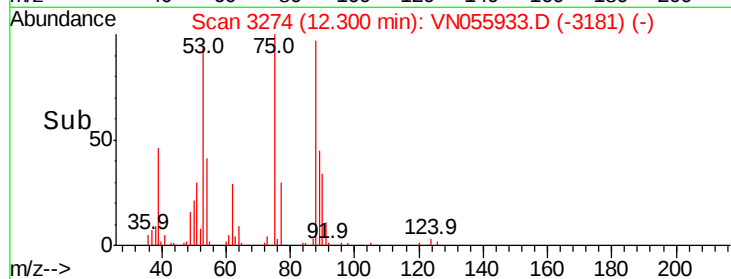
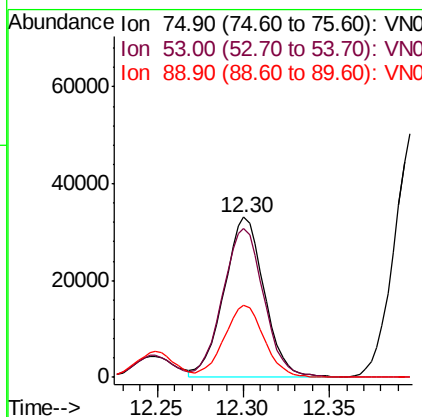
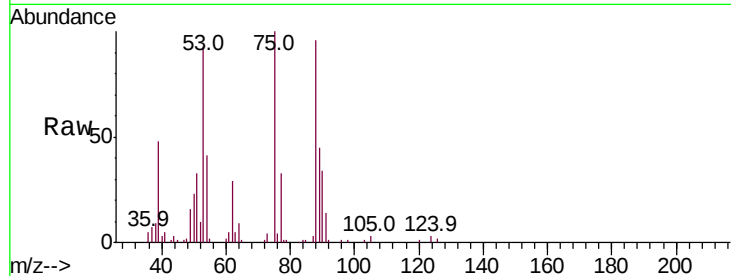
#81
trans-1,4-Dichloro-2-butene
Concen: 41.755 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055933.D
Acq: 31 May 2019 21:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.2	68.1	102.1
89	44.7	36.9	55.3

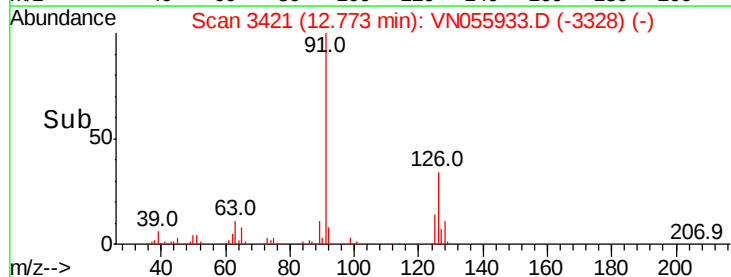
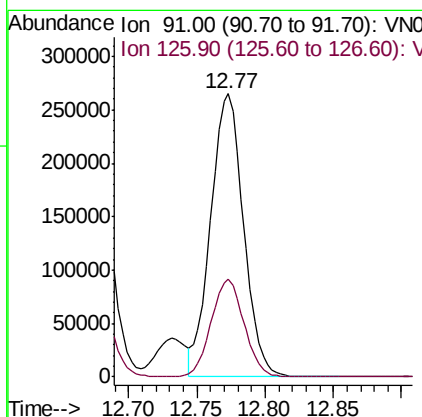
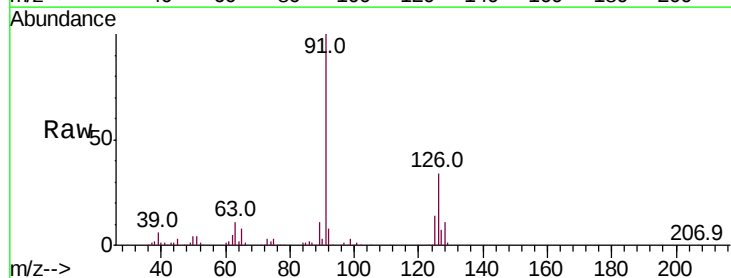
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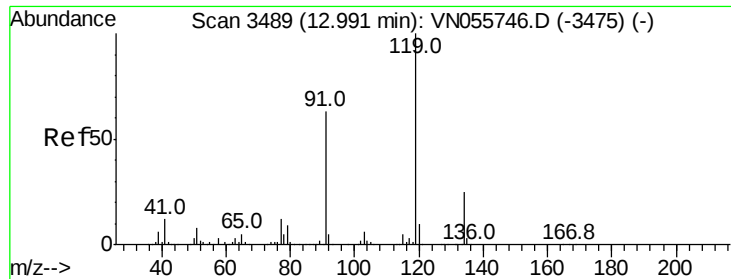
MMDadoda
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#82
4-Chlorotoluene
Concen: 49.802 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055933.D
Acq: 31 May 2019 21:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.8	53.3





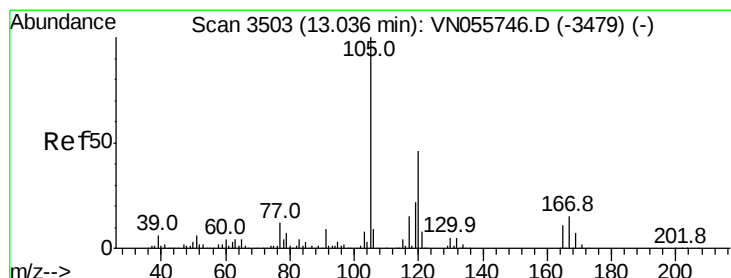
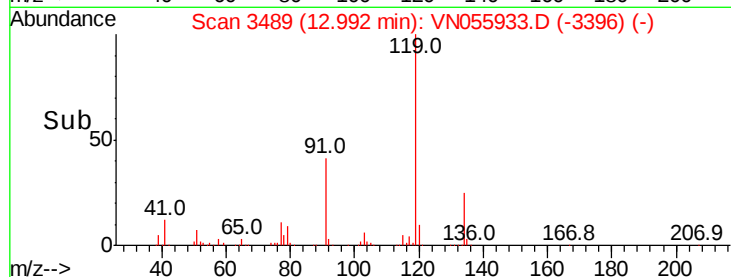
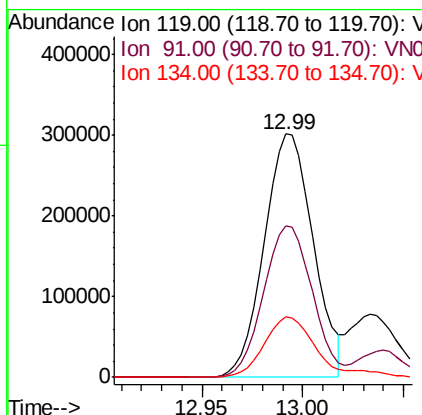
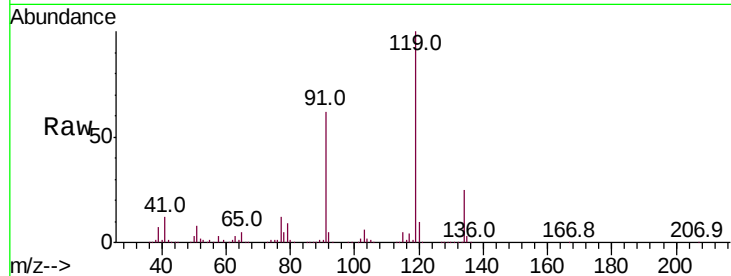
#83
tert-Butylbenzene
Concen: 56.838 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055933.D
Acq: 31 May 2019 21:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	508932		
91	62.0	30.9	92.8	
134	26.6	13.3	39.8	

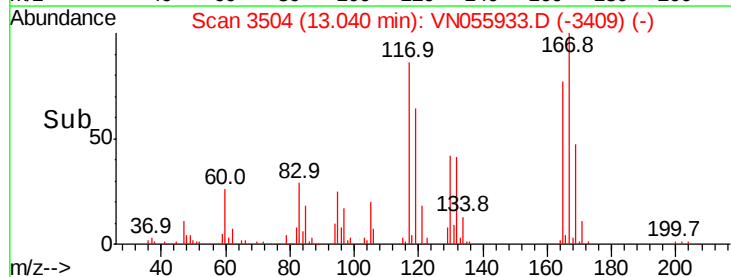
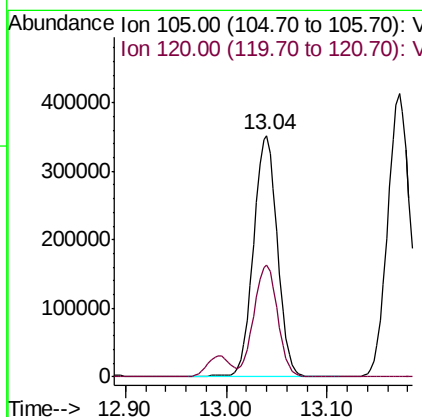
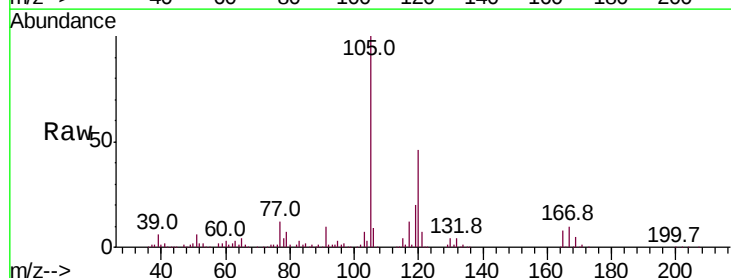
Manual Integrations
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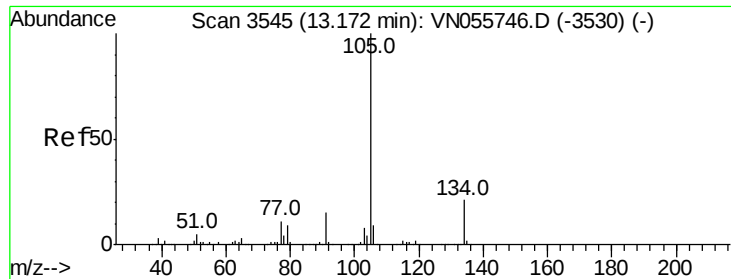
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 55.123 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055933.D
Acq: 31 May 2019 21:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	571754		
120	46.2	23.0	69.0	





#85

sec-Butylbenzene

Concen: 56.081 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055933.D

Acq: 31 May 2019 21:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 654551

Ion Ratio Lower Upper

105 100

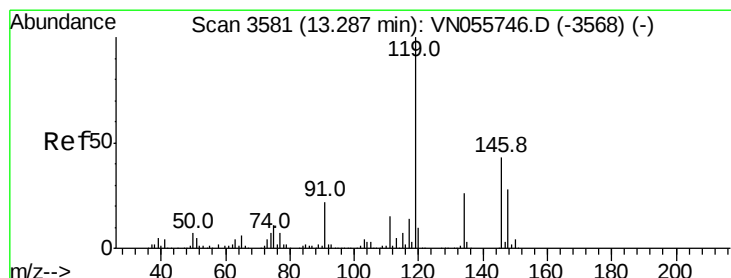
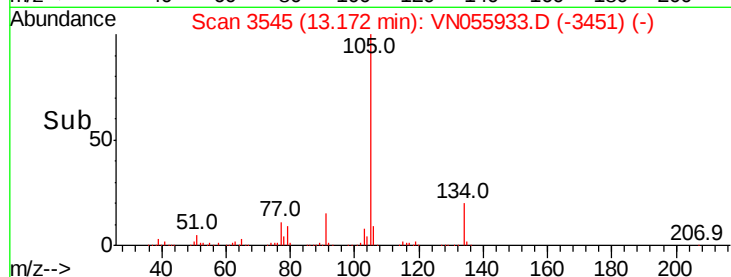
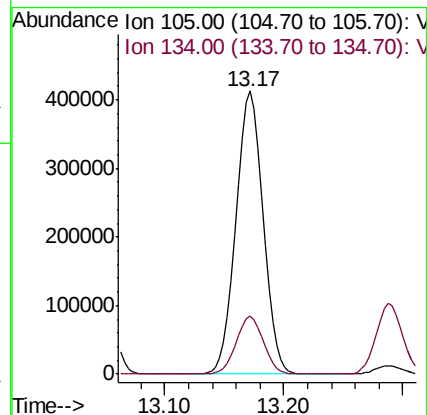
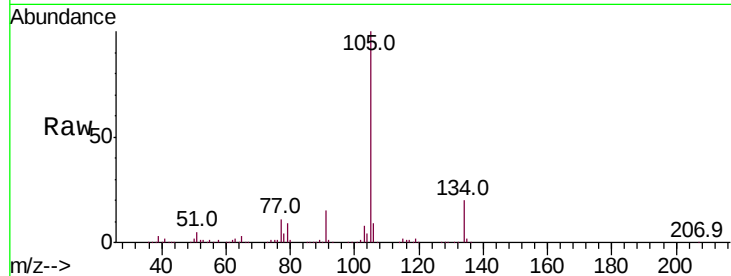
134 20.5 10.4 31.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 48.428 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055933.D

Acq: 31 May 2019 21:25

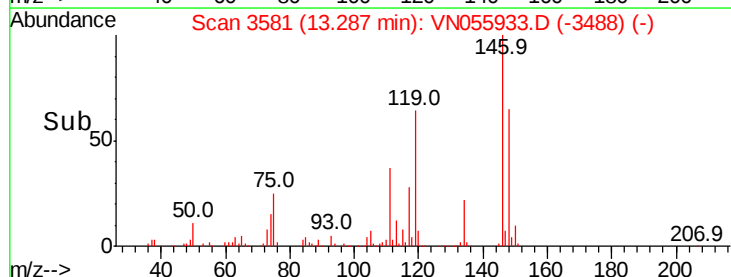
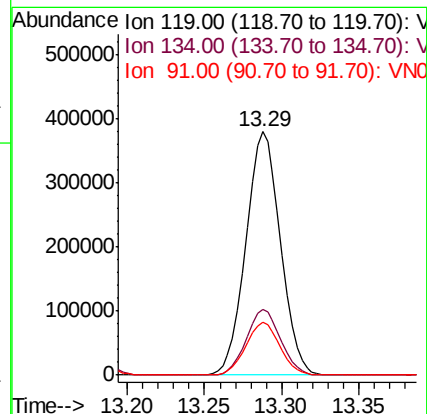
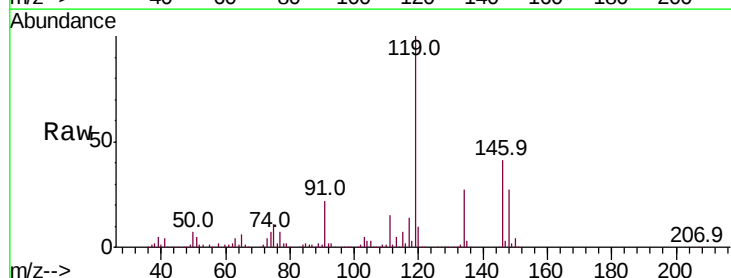
Tgt Ion:119 Resp: 586108

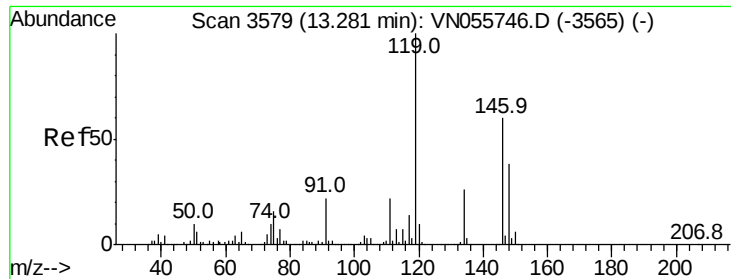
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 21.5 10.9 32.9





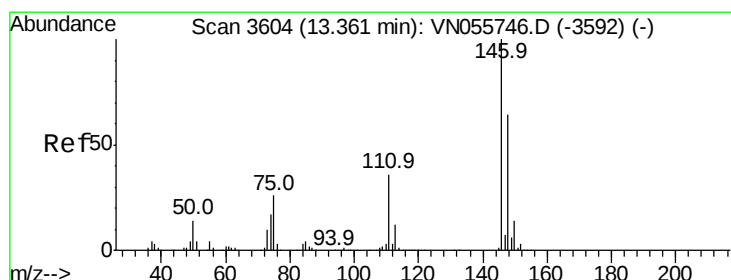
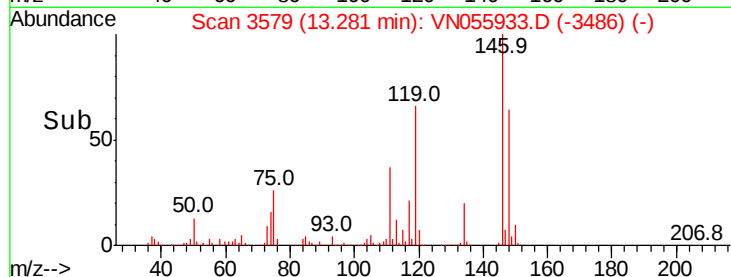
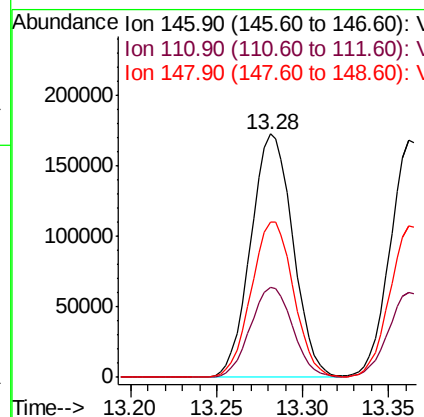
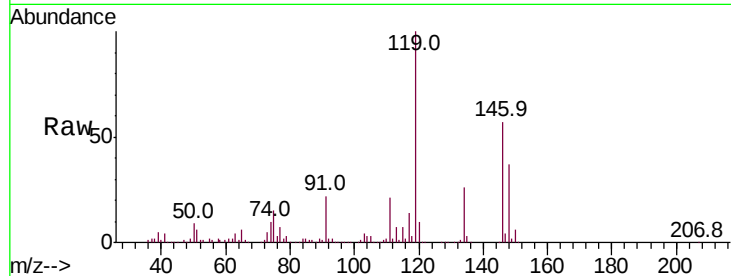
#87
 1,3-Dichlorobenzene
 Concen: 49.831 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055933.D
 Acq: 31 May 2019 21:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.5	55.5
148	64.1	32.0	96.2

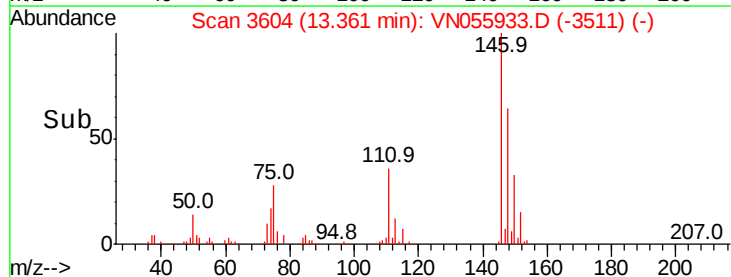
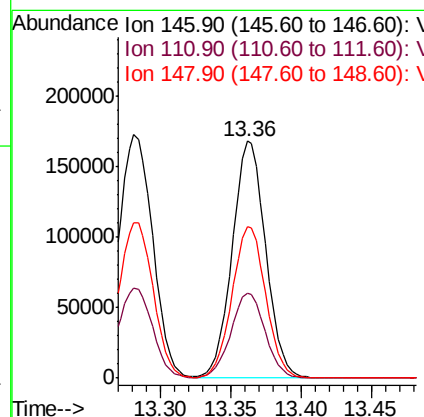
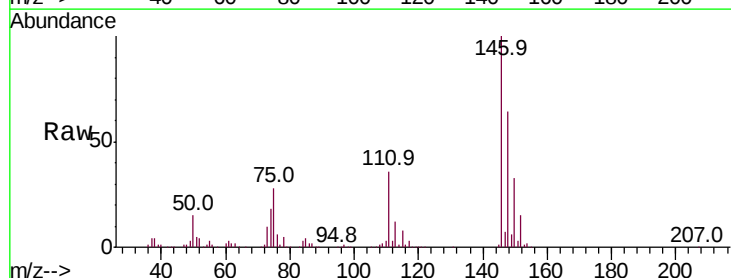
Manual Integrations
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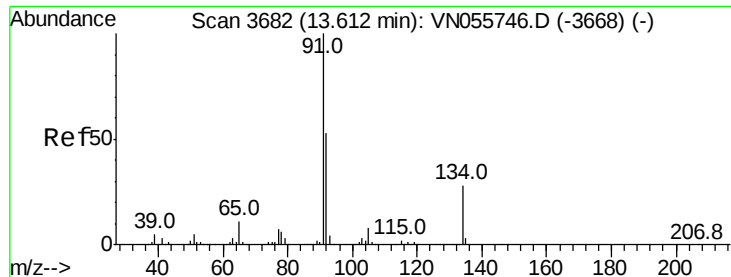
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#88
 1,4-Dichlorobenzene
 Concen: 49.930 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055933.D
 Acq: 31 May 2019 21:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.1	54.4
148	64.3	32.1	96.5





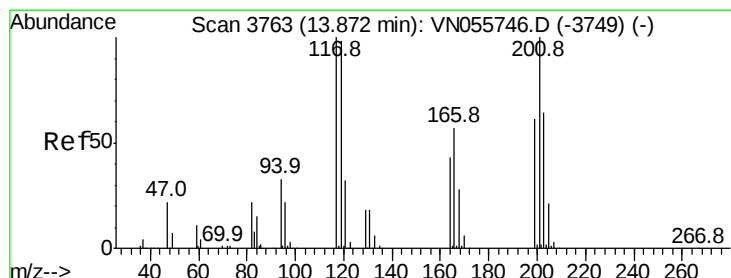
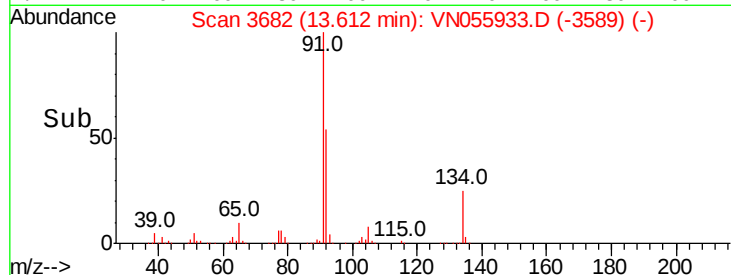
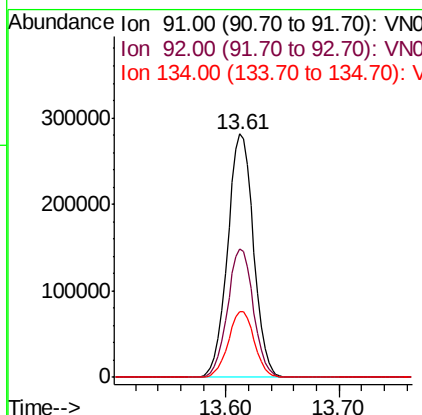
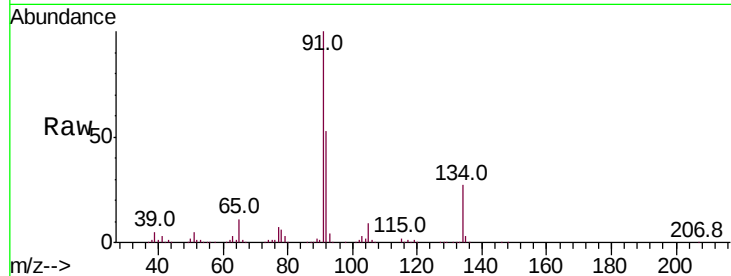
#89
n-Butylbenzene
Concen: 48.176 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055933.D
Acq: 31 May 2019 21:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.4	79.0
134	27.2	13.9	41.7

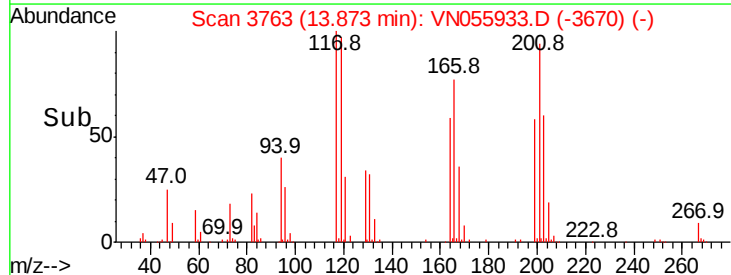
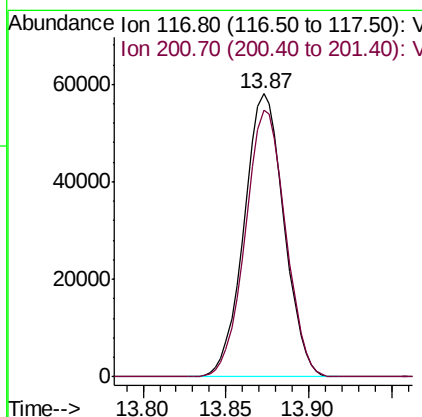
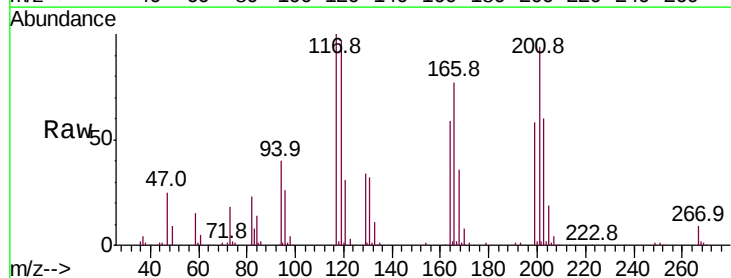
Manual Integrations
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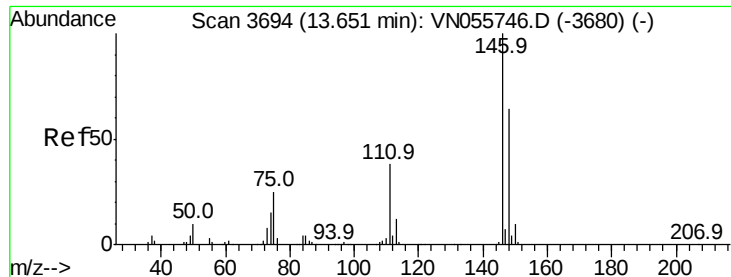
MMDadoda
6/3/2019 4:12:26 PM



#90
Hexachloroethane
Concen: 42.167 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055933.D
Acq: 31 May 2019 21:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.6	50.0	150.0





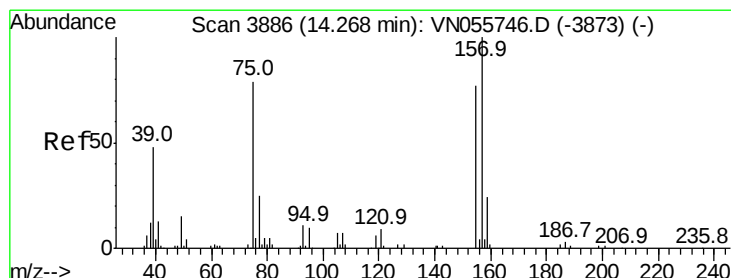
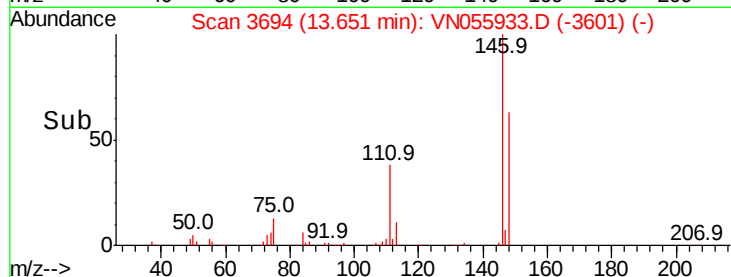
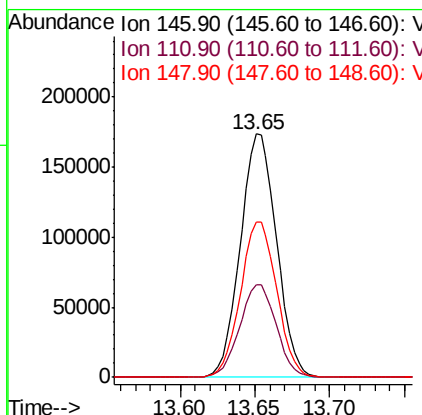
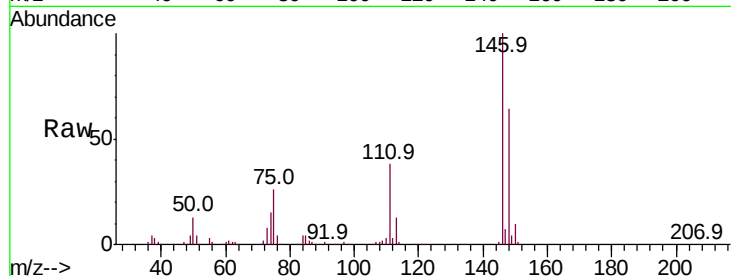
#91
 1,2-Dichlorobenzene
 Concen: 49.893 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055933.D
 Acq: 31 May 2019 21:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	293116		
111	38.4	19.1	57.5	
148	63.9	31.9	95.9	

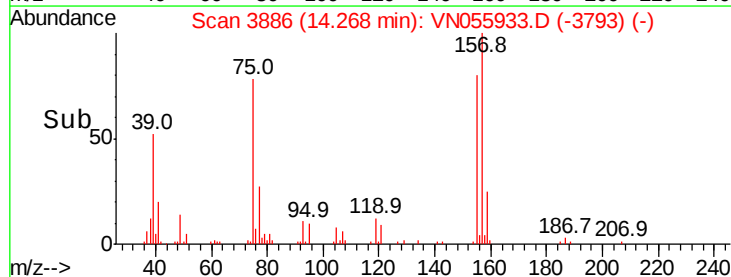
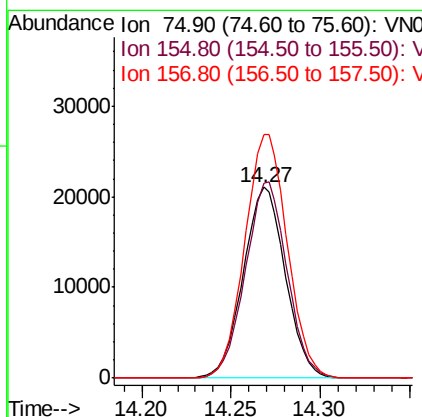
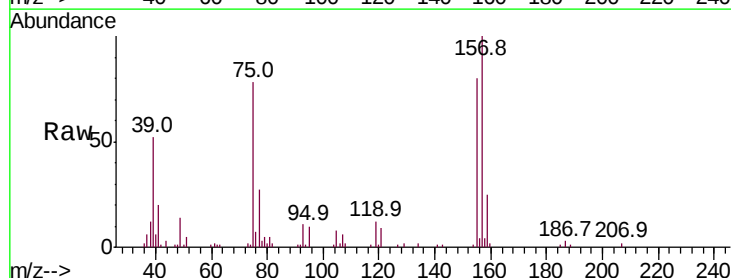
Manual Integrations
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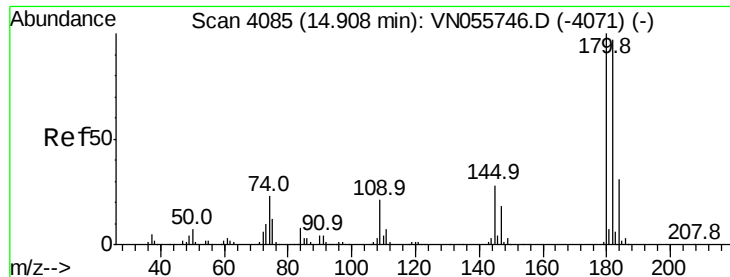
MMDadoda
 6/3/2019 4:12:26 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.960 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055933.D
 Acq: 31 May 2019 21:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	34717		
155	101.8	50.0	150.1	
157	129.2	64.8	194.3	





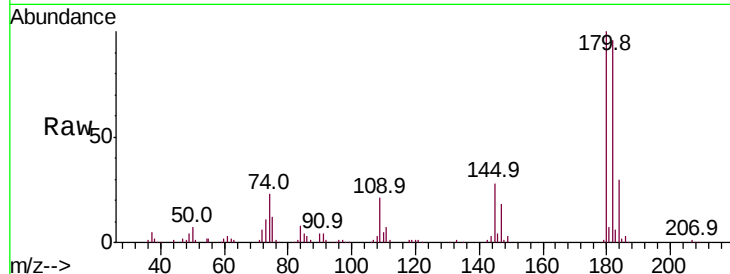
#93
 1,2,4-Trichlorobenzene
 Concen: 42.900 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055933.D
 Acq: 31 May 2019 21:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

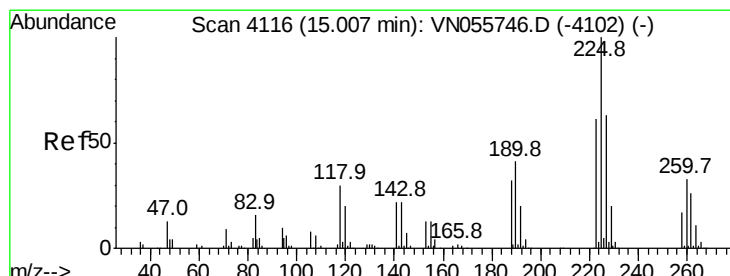
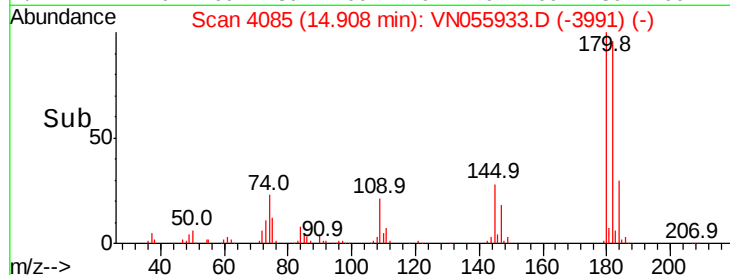
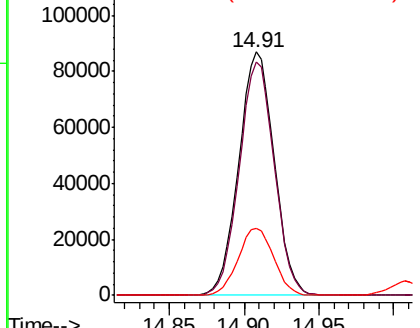
Tot Ion:	180	Resp:	143125
Ion Ratio	Lower	Upper	
180	100		
182	94.9	48.3	144.9
145	27.8	14.0	41.9

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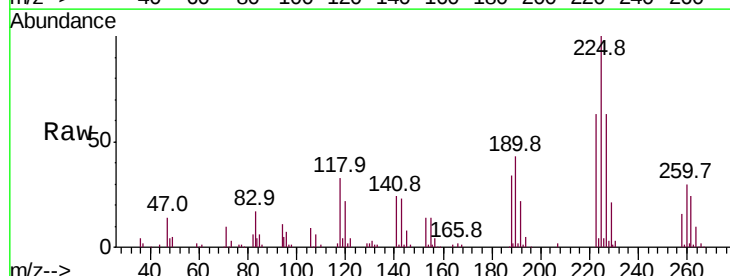


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

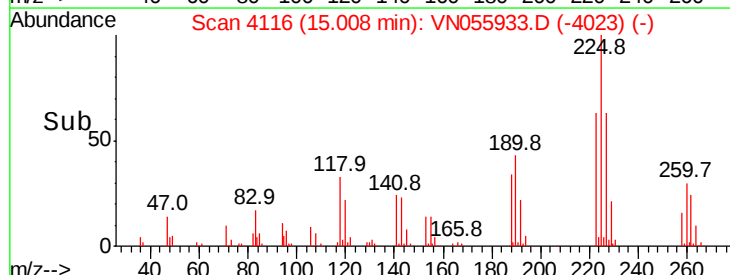
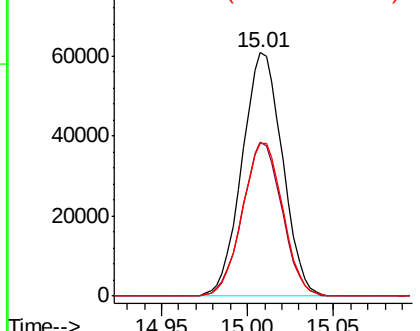


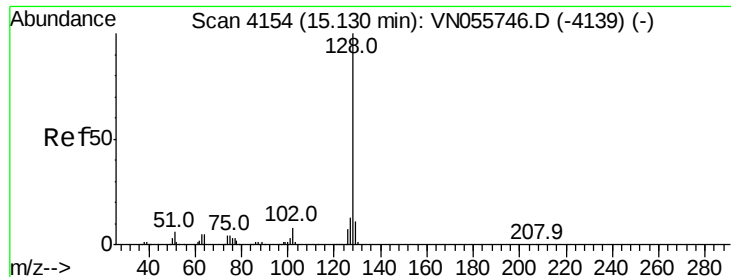
#94
 Hexachlorobutadiene
 Concen: 47.861 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055933.D
 Acq: 31 May 2019 21:25

Tgt Ion:	225	Resp:	99117
Ion Ratio	Lower	Upper	
225	100		
223	62.1	30.9	92.7
227	63.0	31.6	94.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 50.960 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055933.D

Acq: 31 May 2019 21:25

Instrument :

MSVOA_N

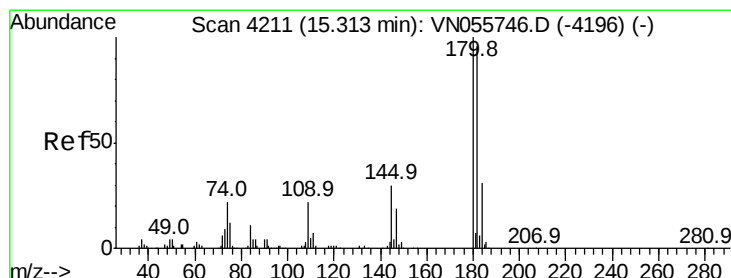
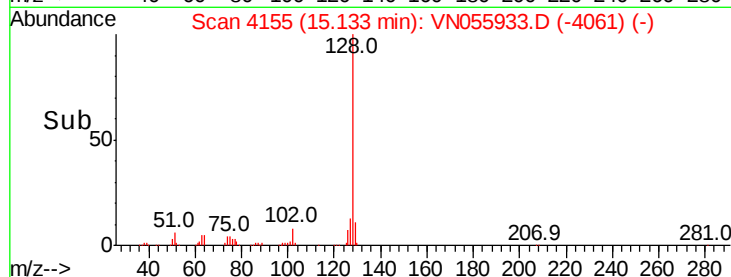
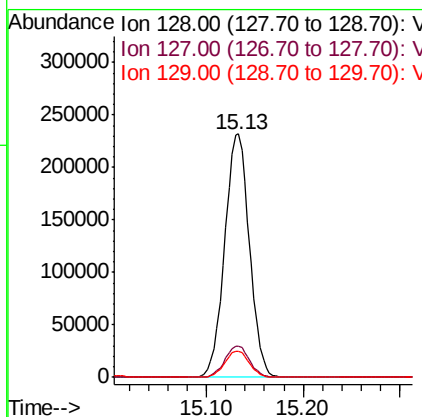
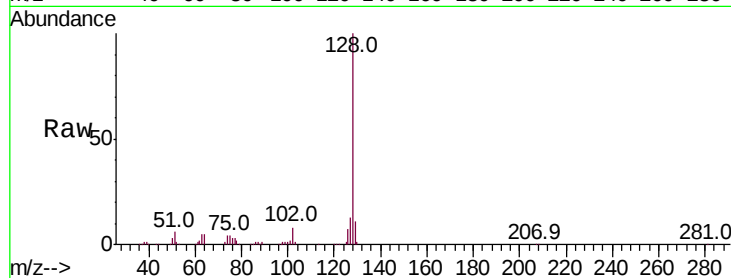
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	410824
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	10.8	8.7	13.1

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#96

1,2,3-Trichlorobenzene

Concen: 50.310 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055933.D

Acq: 31 May 2019 21:25

Tgt Ion:	180	Resp:	156239
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.9	143.7
145	30.1	14.9	44.7

