

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052024\
 Data File : VD078970.D
 Acq On : 20 May 2024 14:26
 Operator : RP/MD
 Sample : P2409-04
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 21 01:03:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM051724SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue May 21 01:03:15 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	139955	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	146318	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	70819	25.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	90602	26.408	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.640%
7) Chloroethane-d5	2.805	69	88226	24.023	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.080%
11) 1,1-Dichloroethene-d2	3.922	65	18748	28.014	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	112.040%#
21) 2-Butanone-d5	6.987	46	26901	55.395	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.780%
24) Chloroform-d	7.563	84	95457	22.911	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.640%
26) 1,2-Dichloroethane-d4	8.234	65	53711	27.146	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	108.600%
32) Benzene-d6	8.204	84	200926	26.913	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	107.640%
36) 1,2-Dichloropropane-d6	9.210	67	60834	26.742	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.960%
41) Toluene-d8	10.269	98	175445	25.494	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.960%
43) trans-1,3-Dichloroprop...	10.522	79	26447	25.239	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.960%
47) 2-Hexanone-d5	10.875	63	25641	56.241	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.480%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	68498	26.470	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.880%
66) 1,2-Dichlorobenzene-d4	13.816	152	66683	27.742	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	110.960%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.934	85	4914	1.755	ug/L	90
3) Chloromethane	2.152	50	5079	1.478	ug/L	96
5) Vinyl chloride	2.287	62	8292	1.475	ug/L	91
6) Bromomethane	2.699	94	5202	1.294	ug/L	100
8) Chloroethane	2.840	64	5050	1.163	ug/L	94
9) Trichlorofluoromethane	3.175	101	6495	1.481	ug/L #	73
10) 1,1,2-Trichloro-1,2,2-...	3.963	101	2156	0.776	ug/L #	87
12) 1,1-Dichloroethene	3.952	96	2606	1.077	ug/L #	1
13) Acetone	4.028	43	1746	2.976	ug/L	93
14) Carbon disulfide	4.258	76	3771	0.538	ug/L #	93
15) Methyl Acetate	4.558	43	572	0.600	ug/L #	73
17) trans-1,2-Dichloroethene	5.310	96	1674	0.679	ug/L	81
19) 1,1-Dichloroethane	6.099	63	2090	0.505	ug/L	94
20) cis-1,2-Dichloroethene	7.075	96	3195	1.137	ug/L	94
22) 2-Butanone	7.087	43	672	0.996	ug/L	96
23) Bromochloromethane	7.416	128	793	0.565	ug/L	95
25) Chloroform	7.599	83	18159	3.650	ug/L	95
27) 1,2-Dichloroethane	8.334	62	4319	1.499	ug/L #	86
29) Cyclohexane	7.869	56	3495	1.243	ug/L	89

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 Response via : Initial Calibration

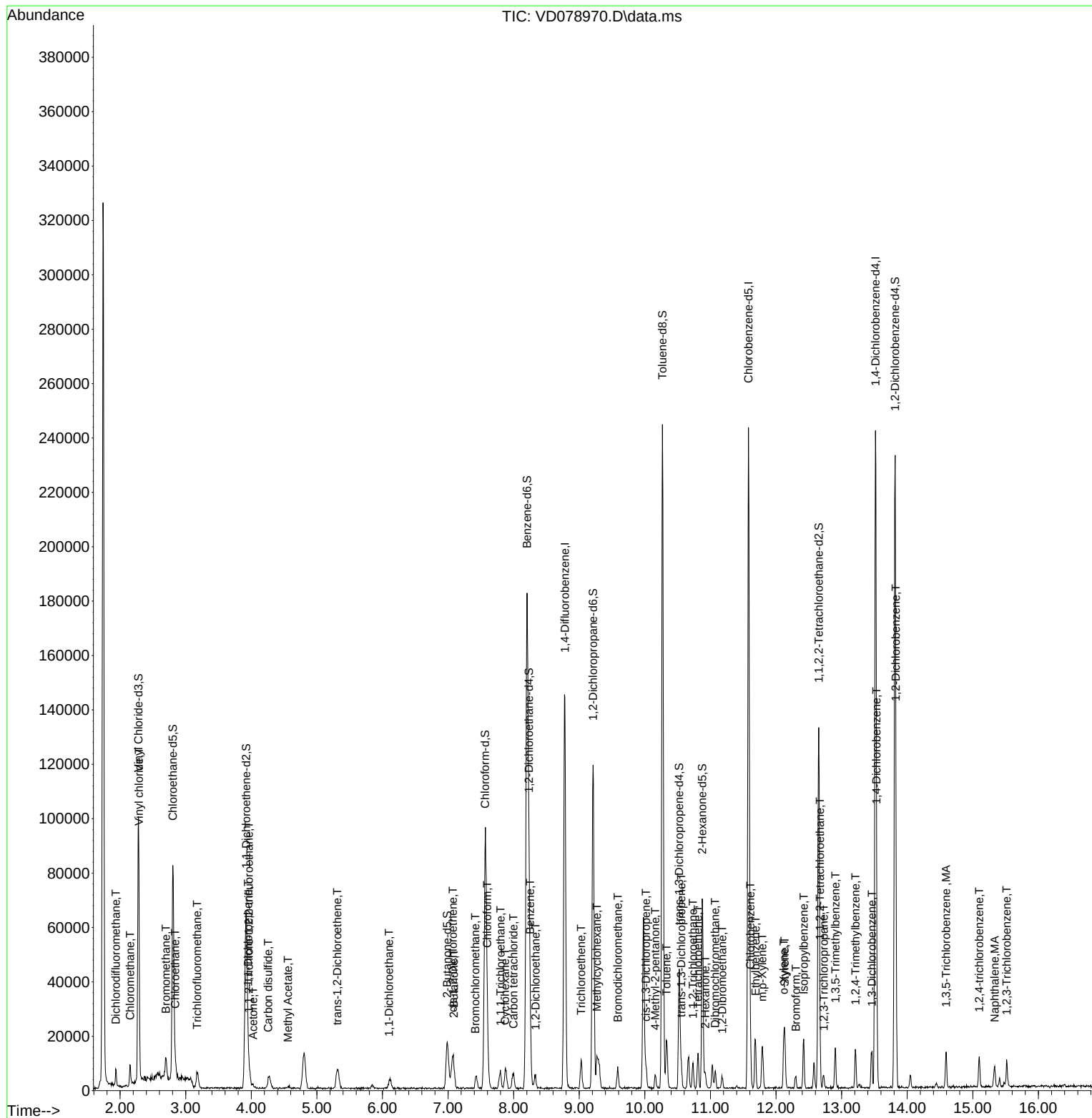
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 1,1,1-Trichloroethane	7.799	97	5820	1.438	ug/L #	38
31) Carbon tetrachloride	7.999	117	4735	1.270	ug/L #	48
33) Benzene	8.251	78	15148	1.510	ug/L	100
34) Trichloroethene	9.028	95	3556	1.376	ug/L	82
35) Methylcyclohexane	9.269	83	2027	0.522	ug/L #	1
38) Bromodichloromethane	9.587	83	4763	1.325	ug/L #	85
39) cis-1,3-Dichloropropene	10.016	75	5268	1.321	ug/L	90
40) 4-Methyl-2-pentanone	10.157	43	3106	2.419	ug/L #	94
42) Toluene	10.328	91	15149	1.374	ug/L	87
44) trans-1,3-Dichloropropene	10.557	75	5783	1.641	ug/L	98
45) 1,1,2-Trichloroethane	10.734	97	3289	1.415	ug/L	87
46) Tetrachloroethene	10.810	164	2882	1.296	ug/L	93
48) 2-Hexanone	10.922	43	3073	3.088	ug/L #	77
49) Dibromochloromethane	11.069	129	3947	1.397	ug/L #	65
50) 1,2-Dibromoethane	11.181	107	2942	1.340	ug/L #	71
51) Chlorobenzene	11.610	112	10108	1.298	ug/L	94
52) Ethylbenzene	11.687	91	13620	1.144	ug/L	87
53) m,p-Xylene	11.792	106	5408	1.136	ug/L	81
54) o-Xylene	12.116	106	4740	1.022	ug/L	81
55) Styrene	12.134	104	7652	0.934	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.669	83	4048	1.436	ug/L #	83
59) Bromoform	12.304	173	2153	1.343	ug/L #	93
60) Isopropylbenzene	12.422	105	12272	1.172	ug/L	96
61) 1,2,3-Trichloropropane	12.728	75	2393	1.474	ug/L #	81
62) 1,3,5-Trimethylbenzene	12.904	105	8315	1.074	ug/L	97
63) 1,2,4-Trimethylbenzene	13.210	105	8024	1.020	ug/L	96
64) 1,3-Dichlorobenzene	13.463	146	6487	1.276	ug/L	86
65) 1,4-Dichlorobenzene	13.534	146	7349	1.341	ug/L	92
67) 1,2-Dichlorobenzene	13.828	146	7227	1.502	ug/L #	89
69) 1,3,5-Trichlorobenzene	14.592	180	4220	1.278	ug/L	91
70) 1,2,4-trichlorobenzene	15.098	180	4139	1.480	ug/L #	89
71) Naphthalene	15.333	128	8207	1.439	ug/L	96
72) 1,2,3-Trichlorobenzene	15.516	180	3660	1.401	ug/L #	91

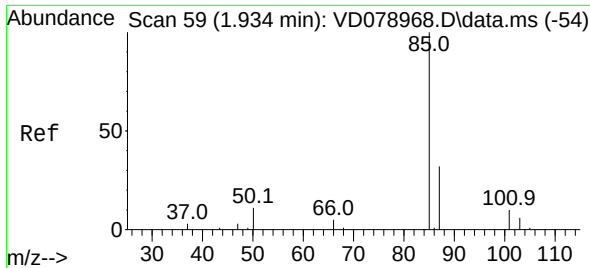
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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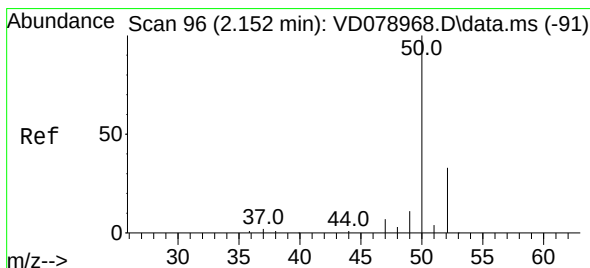
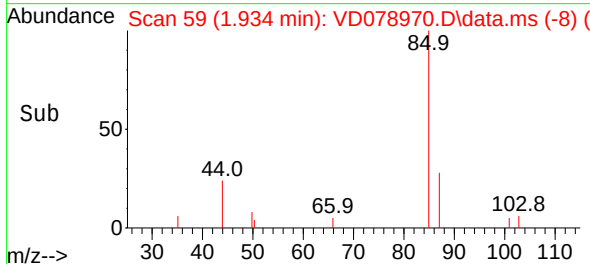
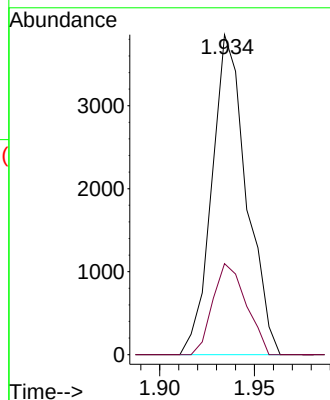
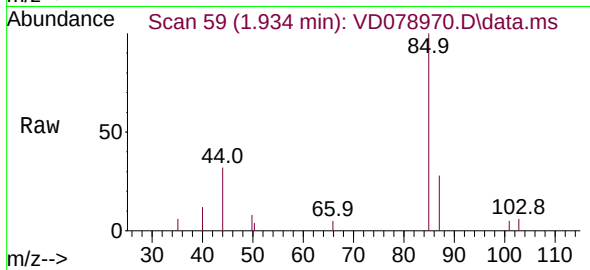




#2
 Dichlorodifluoromethane
 Concen: 1.755 ug/L
 RT: 1.934 min Scan# 59
 Delta R.T. 0.000 min
 Lab File: VD078970.D
 Acq: 20 May 2024 14:26

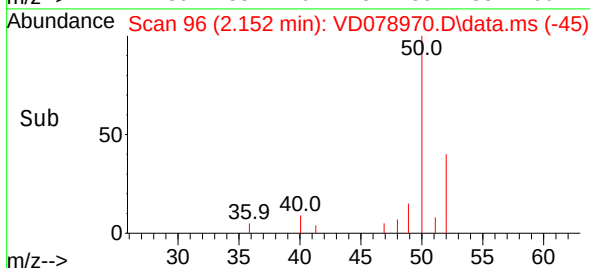
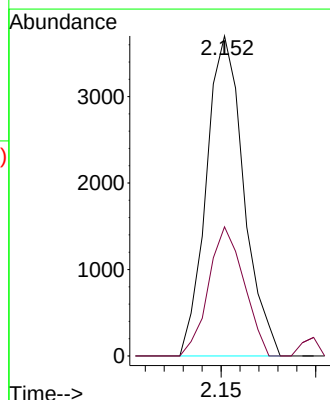
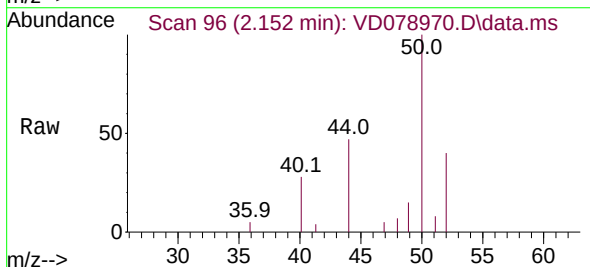
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 ClientSampleId :

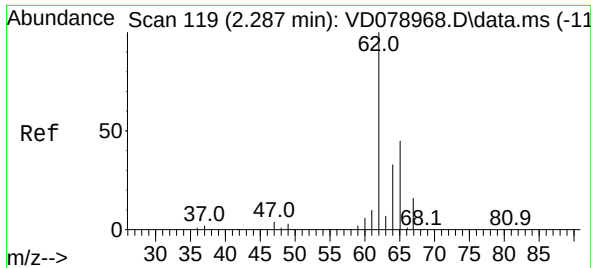
Tgt Ion: 85 Resp: 4914
 Ion Ratio Lower Upper
 85 100
 87 27.4 26.3 39.5



#3
 Chloromethane
 Concen: 1.478 ug/L
 RT: 2.152 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VD078970.D
 Acq: 20 May 2024 14:26

Tgt Ion: 50 Resp: 5079
 Ion Ratio Lower Upper
 50 100
 52 40.3 26.5 49.3

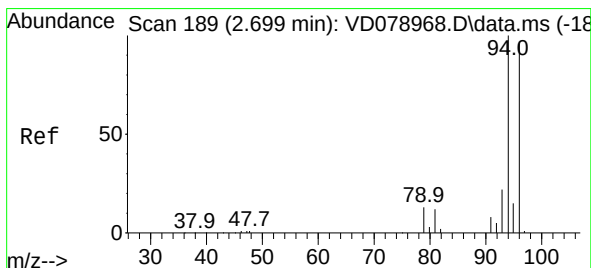
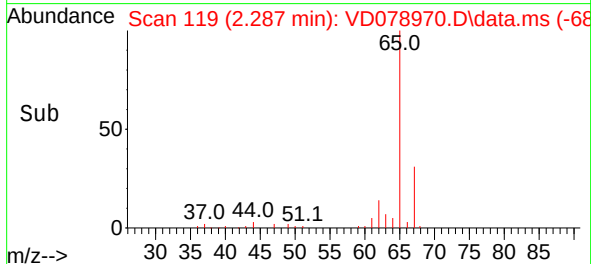
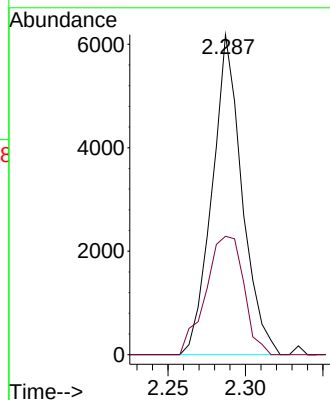
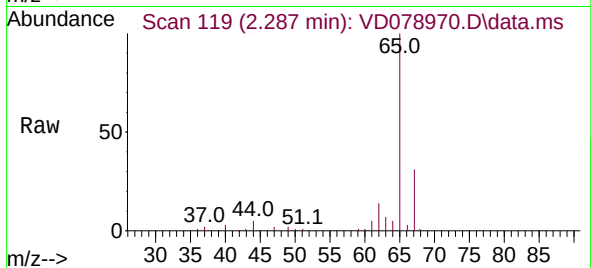




#5
 Vinyl chloride
 Concen: 1.475 ug/L
 RT: 2.287 min Scan# 119
 Delta R.T. 0.000 min
 Lab File: VD078970.D
 Acq: 20 May 2024 14:26

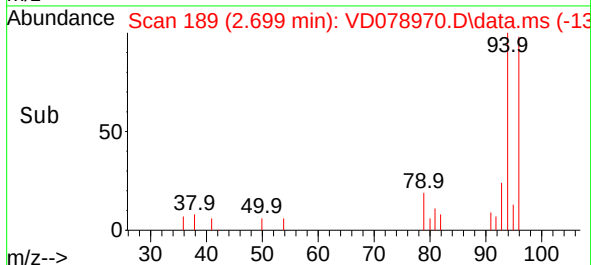
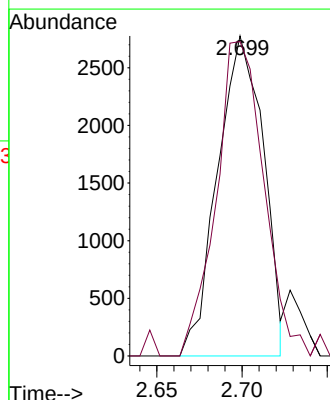
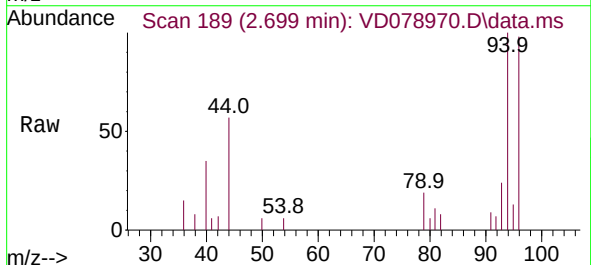
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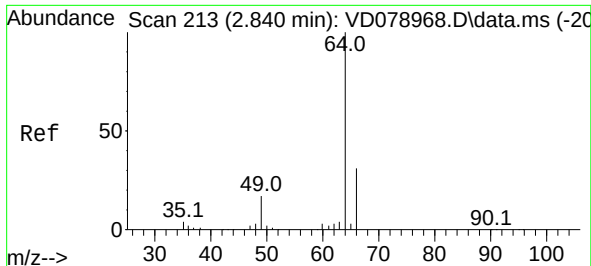
Tgt Ion: 62 Resp: 8292
 Ion Ratio Lower Upper
 62 100
 64 37.0 22.3 41.3



#6
 Bromomethane
 Concen: 1.294 ug/L
 RT: 2.699 min Scan# 189
 Delta R.T. 0.000 min
 Lab File: VD078970.D
 Acq: 20 May 2024 14:26

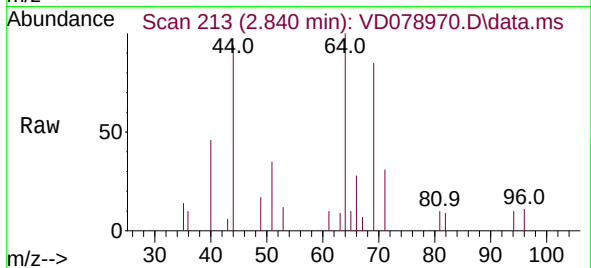
Tgt Ion: 94 Resp: 5202
 Ion Ratio Lower Upper
 94 100
 96 98.3 69.0 128.1



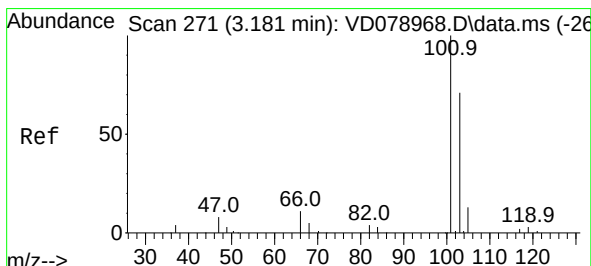
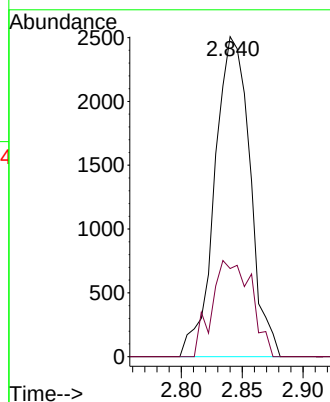
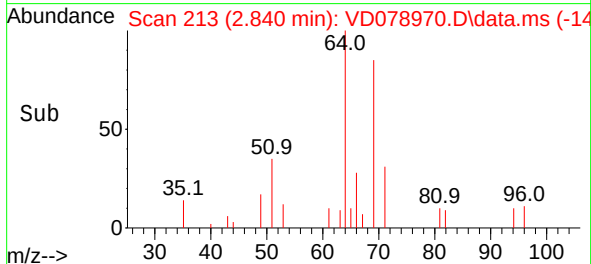


#8
Chloroethane
Concen: 1.163 ug/L
RT: 2.840 min Scan# 213
Delta R.T. 0.000 min
Lab File: VD078970.D
Acq: 20 May 2024 14:26

Instrument :
MSVOA_D
ClientSampleId :

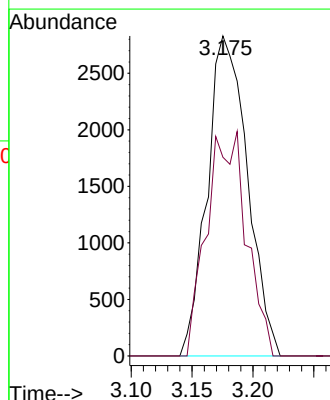
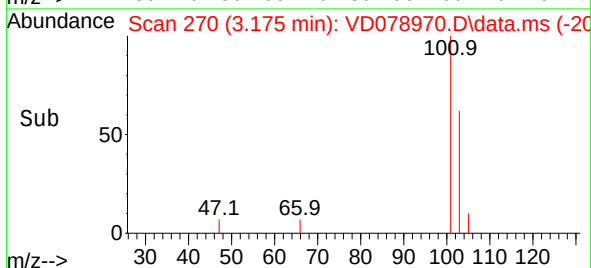
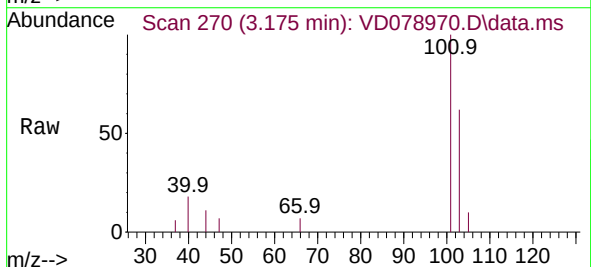


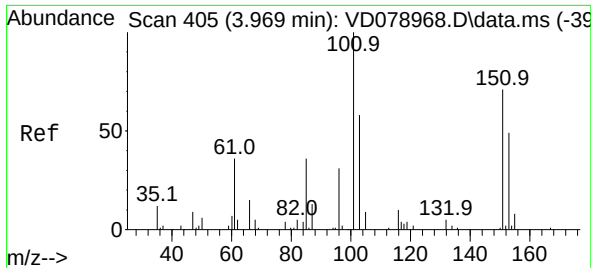
Tgt Ion: 64 Resp: 5050
Ion Ratio Lower Upper
64 100
66 27.6 21.5 39.9



#9
Trichlorofluoromethane
Concen: 1.481 ug/L
RT: 3.175 min Scan# 270
Delta R.T. -0.006 min
Lab File: VD078970.D
Acq: 20 May 2024 14:26

Tgt Ion: 101 Resp: 6495
Ion Ratio Lower Upper
101 100
103 43.5 51.9 77.9#

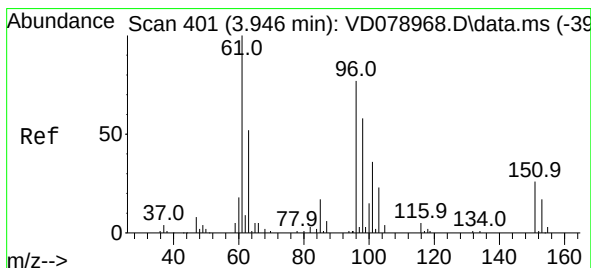
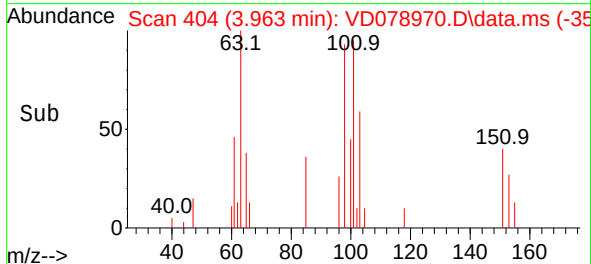
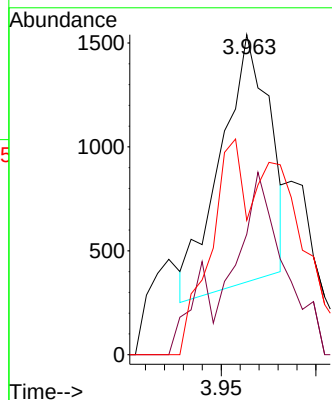
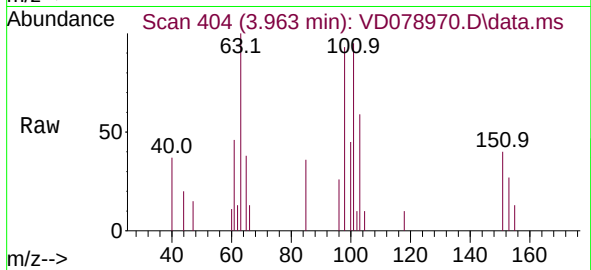




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.776 ug/L
 RT: 3.963 min Scan# 405
 Delta R.T. -0.006 min
 Lab File: VD078970.D
 Acq: 20 May 2024 14:26

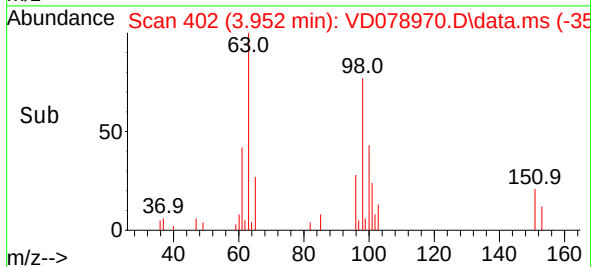
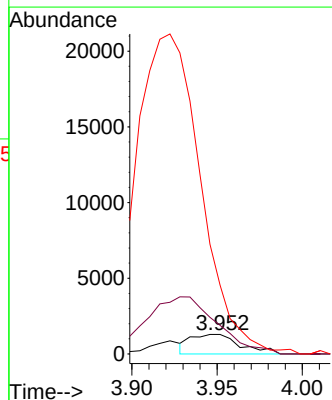
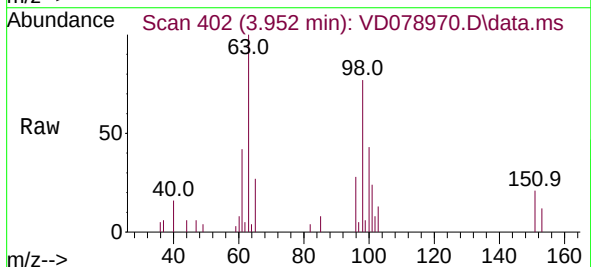
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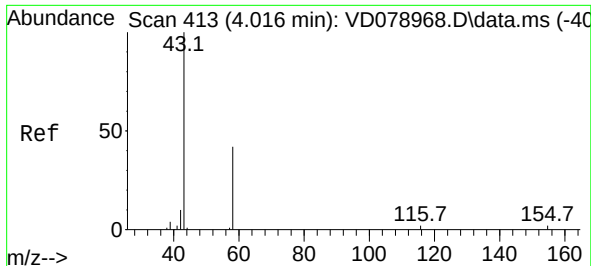
Tgt Ion:101 Resp: 2156
 Ion Ratio Lower Upper
 101 100
 85 68.8 36.2 54.2#
 151 78.5 62.9 94.3



#12
 1,1-Dichloroethene
 Concen: 1.077 ug/L
 RT: 3.952 min Scan# 402
 Delta R.T. 0.006 min
 Lab File: VD078970.D
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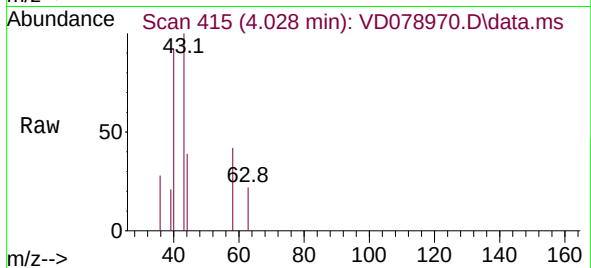
Tgt Ion: 96 Resp: 2606
 Ion Ratio Lower Upper
 96 100
 61 147.4 98.6 183.0
 63 354.4 68.3 126.8#



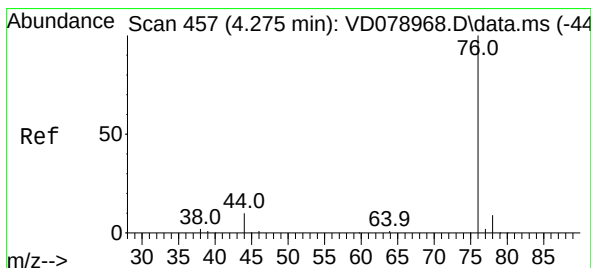
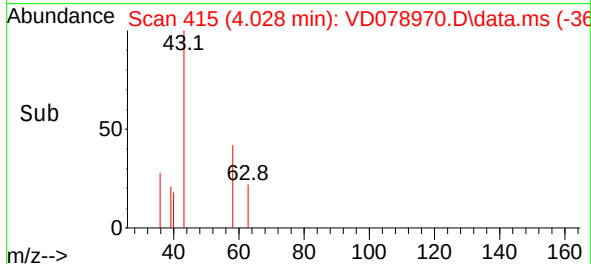
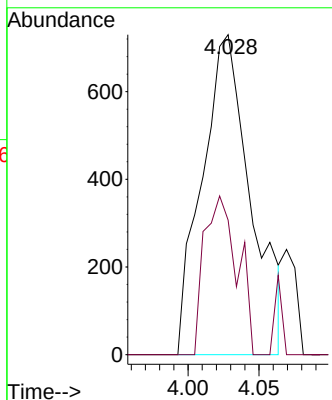


#13
Acetone
Concen: 2.976 ug/L
RT: 4.028 min Scan# 413
Delta R.T. 0.012 min
Lab File: VD078970.D
Acq: 20 May 2024 14:26

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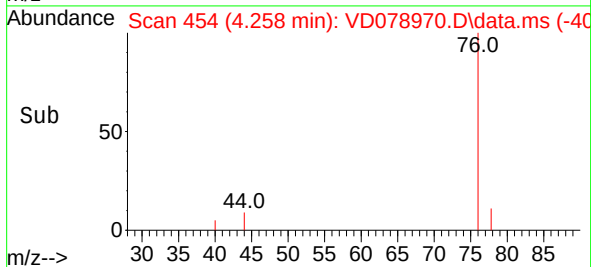
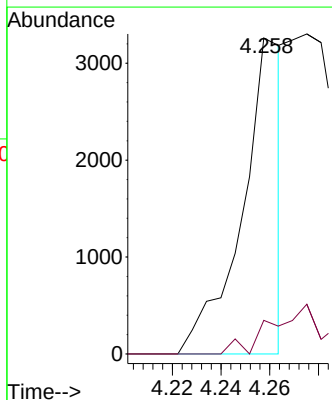
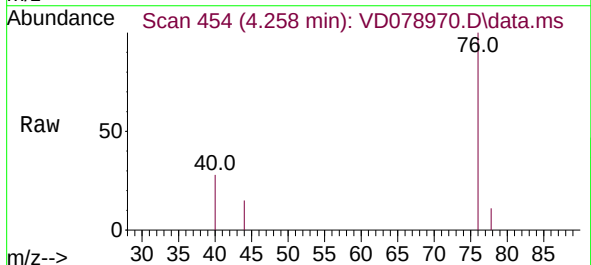


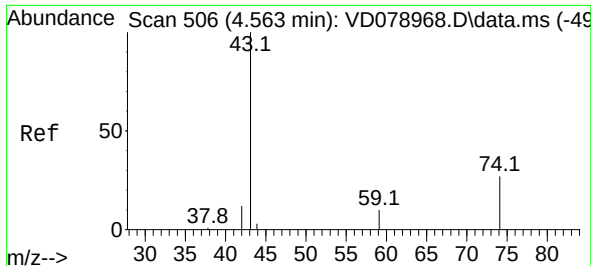
Tgt Ion: 43 Resp: 1746
Ion Ratio Lower Upper
43 100
58 33.6 0.0 75.0



#14
Carbon disulfide
Concen: 0.538 ug/L
RT: 4.258 min Scan# 454
Delta R.T. -0.018 min
Lab File: VD078970.D
Acq: 20 May 2024 14:26

Tgt Ion: 76 Resp: 3771
Ion Ratio Lower Upper
76 100
78 10.6 6.5 9.7#





#15

Methyl Acetate

Concen: 0.600 ug/L

RT: 4.558 min Scan# 506

Delta R.T. -0.006 min

Lab File: VD078970.D

Acq: 20 May 2024 14:26

Instrument :

MSVOA_D

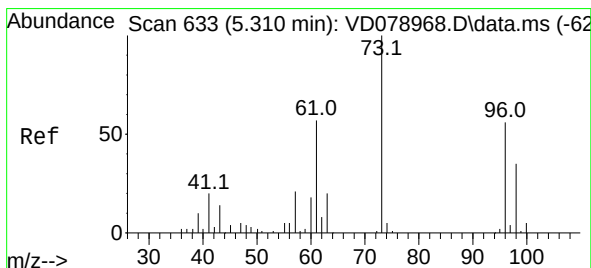
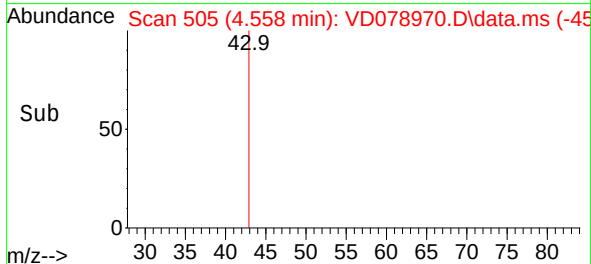
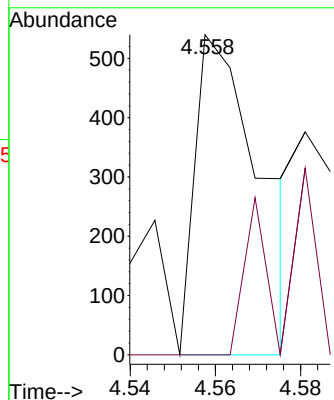
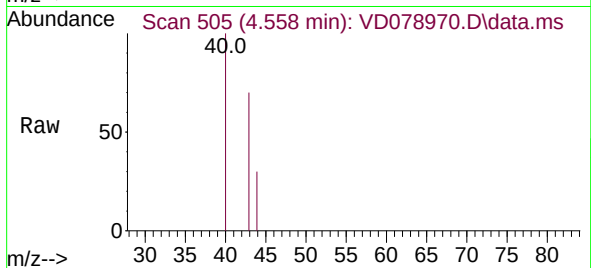
ClientSampleId :

Tgt Ion: 43 Resp: 572

Ion Ratio Lower Upper

43 100

74 16.4 25.1 37.7#



#17

trans-1,2-Dichloroethene

Concen: 0.679 ug/L

RT: 5.310 min Scan# 633

Delta R.T. 0.000 min

Lab File: VD078970.D

Acq: 20 May 2024 14:26

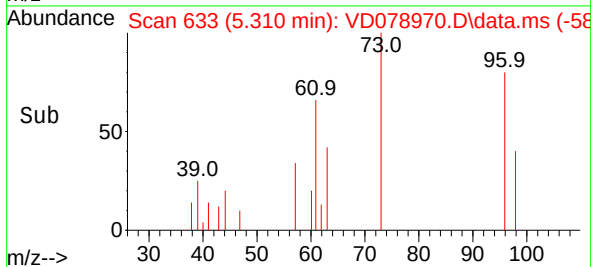
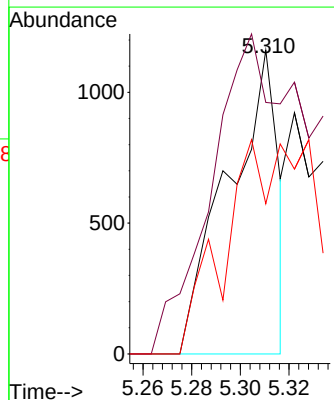
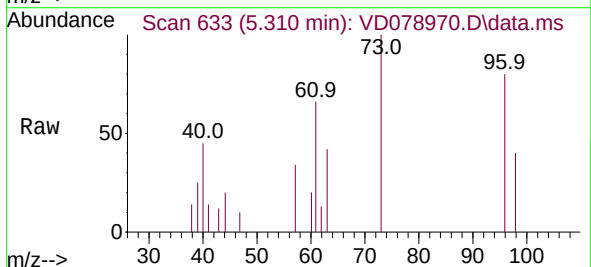
Tgt Ion: 96 Resp: 1674

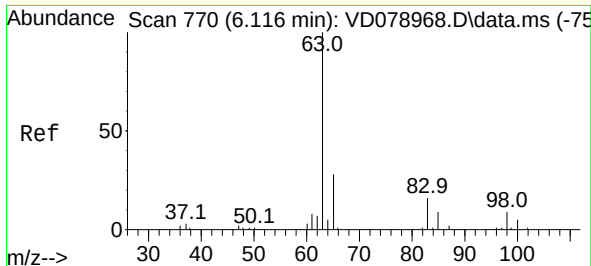
Ion Ratio Lower Upper

96 100

61 82.8 75.5 140.1

98 49.4 39.1 72.7



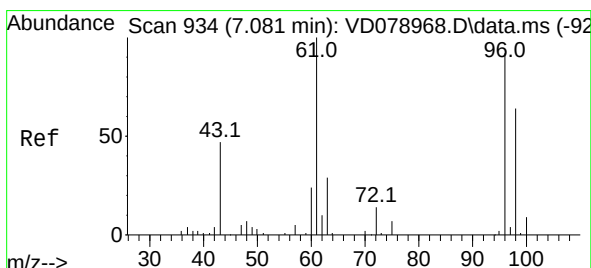
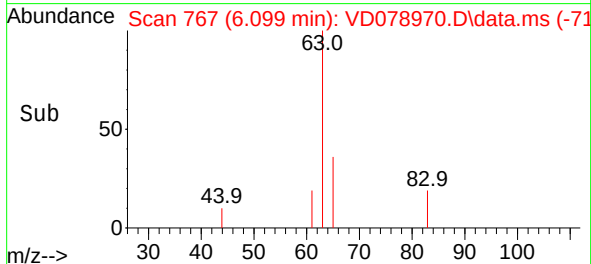
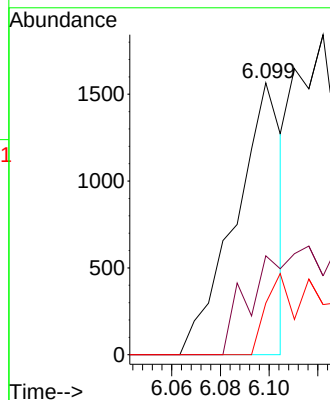
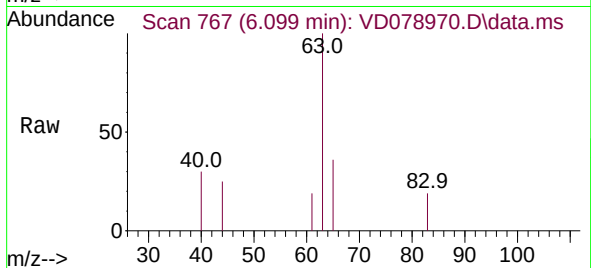


#19
1,1-Dichloroethane
Concen: 0.505 ug/L
RT: 6.099 min Scan# 770
Delta R.T. -0.018 min
Lab File: VD078970.D
Acq: 20 May 2024 14:26

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 63 Resp: 2090

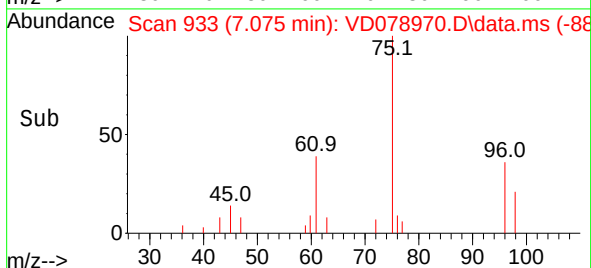
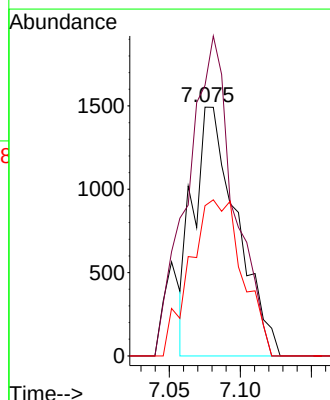
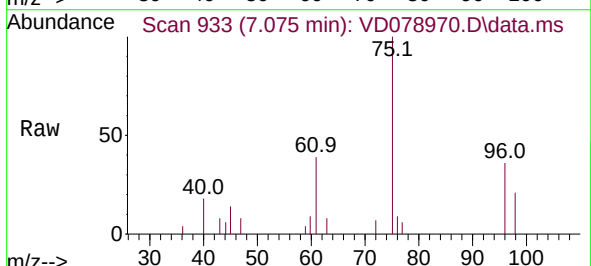
Ion	Ratio	Lower	Upper
63	100		
65	36.4	23.5	43.7
83	19.0	10.4	19.2

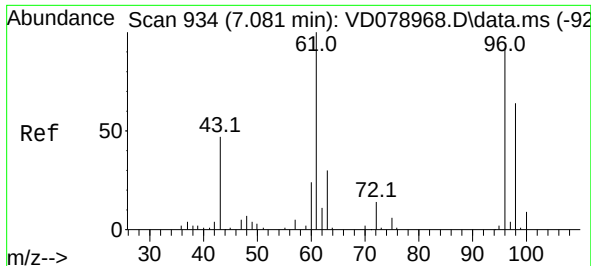


#20
cis-1,2-Dichloroethene
Concen: 1.137 ug/L
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD078970.D
Acq: 20 May 2024 14:26

Tgt Ion: 96 Resp: 3195

Ion	Ratio	Lower	Upper
96	100		
61	108.7	71.6	133.0
98	60.3	40.1	74.5





#22

2-Butanone

Concen: 0.996 ug/L

RT: 7.087 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD078970.D

Acq: 20 May 2024 14:26

Instrument :

MSVOA_D

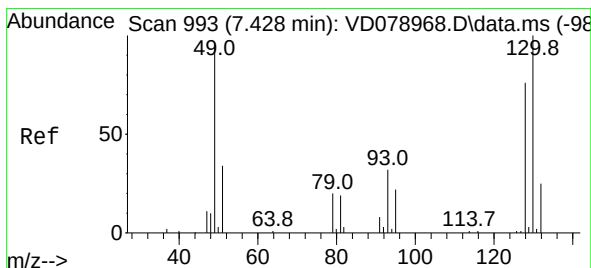
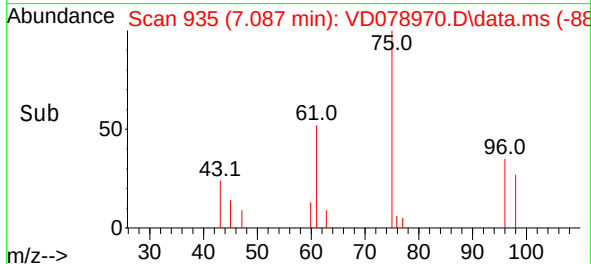
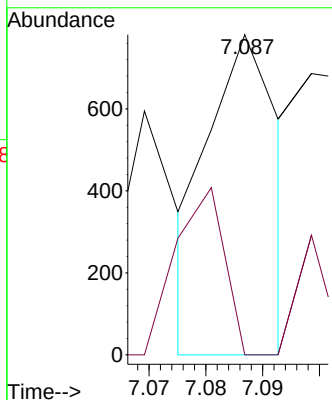
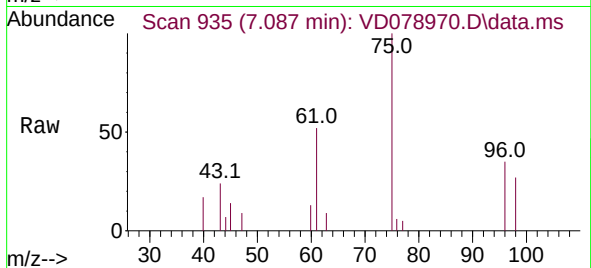
ClientSampleId :

Tgt Ion: 43 Resp: 672

Ion Ratio Lower Upper

43 100

72 36.3 17.1 51.2



#23

Bromochloromethane

Concen: 0.565 ug/L

RT: 7.416 min Scan# 991

Delta R.T. -0.012 min

Lab File: VD078970.D

Acq: 20 May 2024 14:26

Tgt Ion: 128 Resp: 793

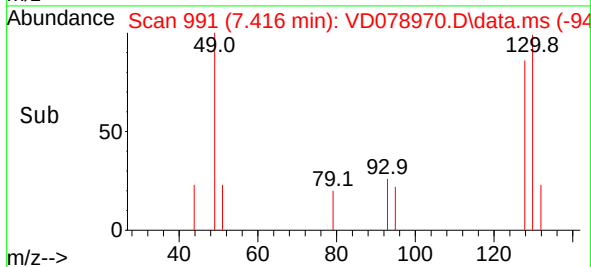
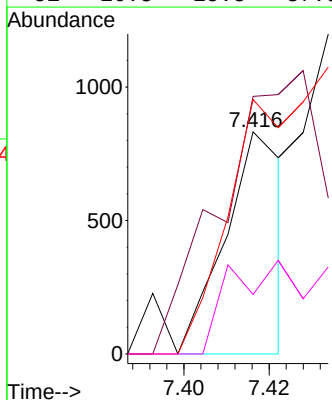
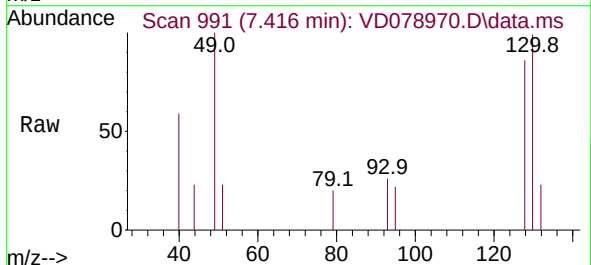
Ion Ratio Lower Upper

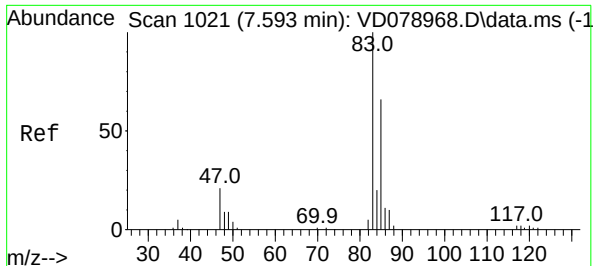
128 100

49 116.0 77.3 143.5

130 114.5 83.4 154.8

51 26.8 25.3 37.9





#25

Chloroform

Concen: 3.650 ug/L

RT: 7.599 min Scan# 1021

Delta R.T. 0.006 min

Lab File: VD078970.D

Acq: 20 May 2024 14:26

Instrument :

MSVOA_D

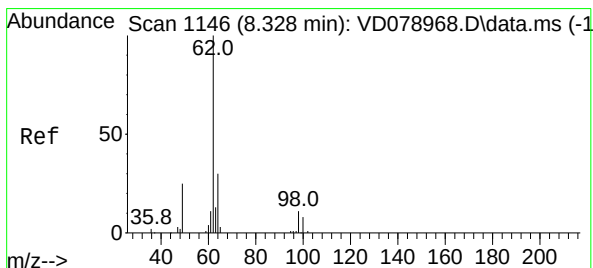
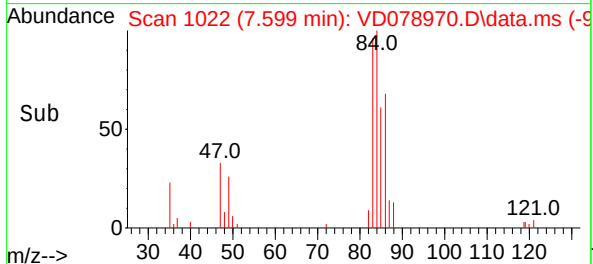
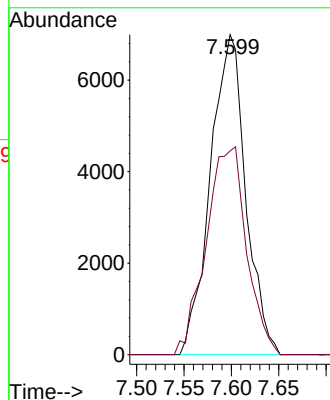
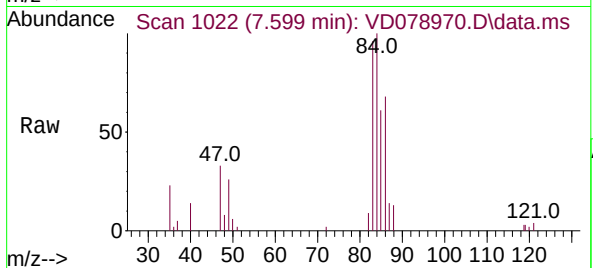
ClientSampleId :

Tgt Ion: 83 Resp: 18159

Ion Ratio Lower Upper

83 100

85 63.7 41.8 77.6



#27

1,2-Dichloroethane

Concen: 1.499 ug/L

RT: 8.334 min Scan# 1147

Delta R.T. 0.006 min

Lab File: VD078970.D

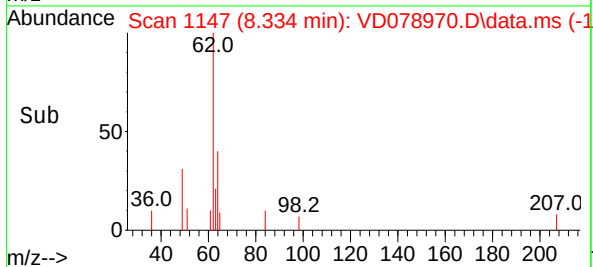
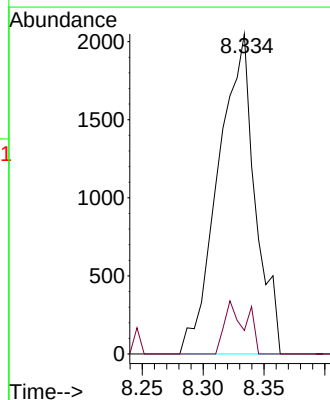
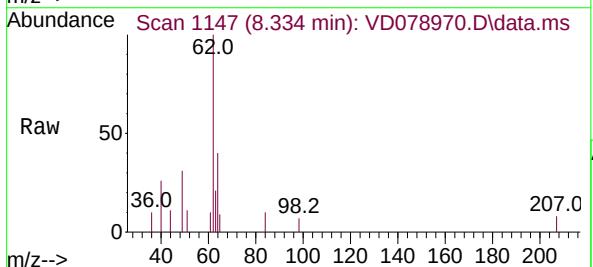
Acq: 20 May 2024 14:26

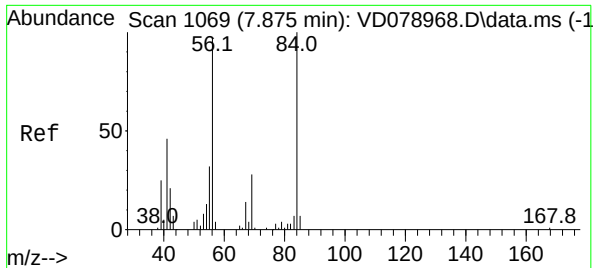
Tgt Ion: 62 Resp: 4319

Ion Ratio Lower Upper

62 100

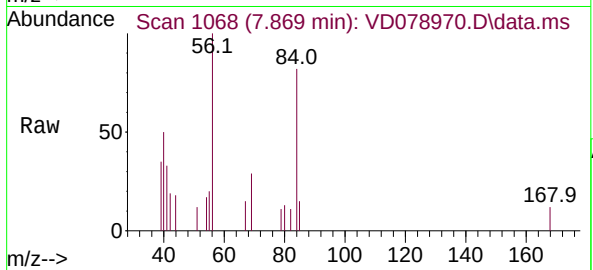
98 7.4 10.2 15.4#



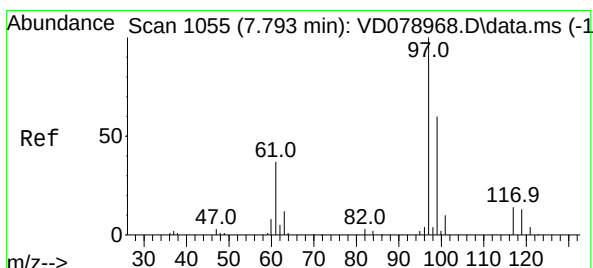
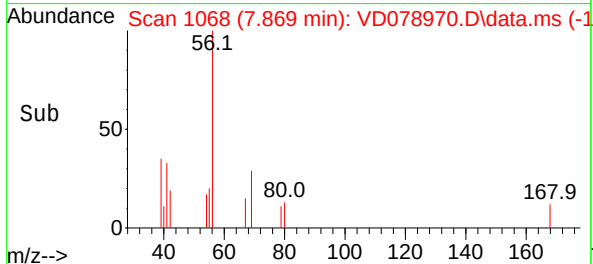
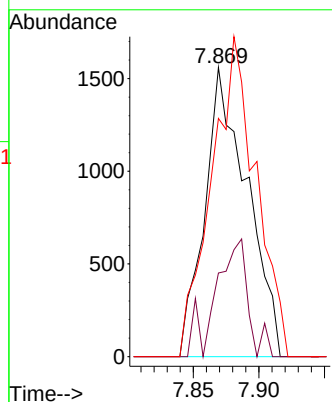


#29
Cyclohexane
Concen: 1.243 ug/L
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD078970.D
Acq: 20 May 2024 14:26

Instrument :
MSVOA_D
ClientSampleId :

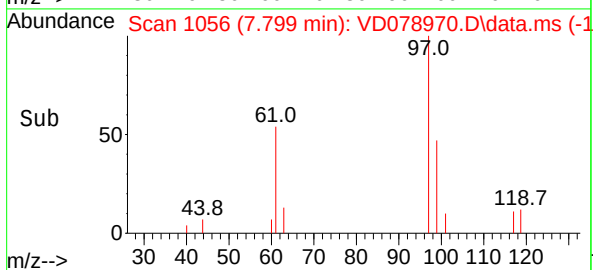
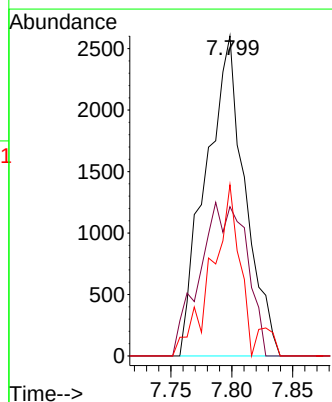
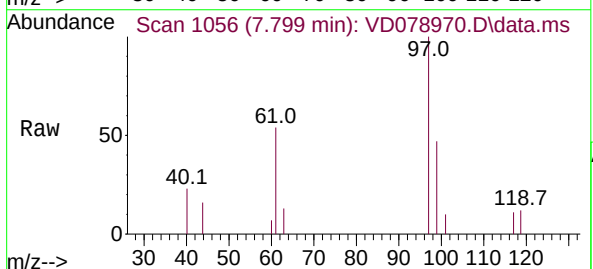


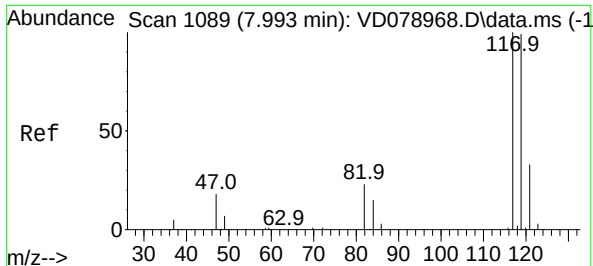
Tgt Ion: 56	Resp: 3495
Ion Ratio	Lower Upper
56	100
69	26.1 25.2 37.8
84	116.0 83.4 125.2



#30
1,1,1-Trichloroethane
Concen: 1.438 ug/L
RT: 7.799 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VD078970.D
Acq: 20 May 2024 14:26

Tgt Ion: 97	Resp: 5820
Ion Ratio	Lower Upper
97	100
99	0.0 52.6 78.8#
61	23.1 32.6 48.8#

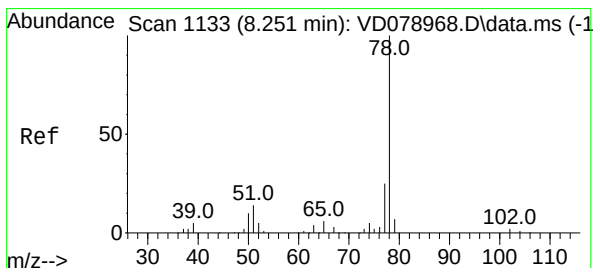
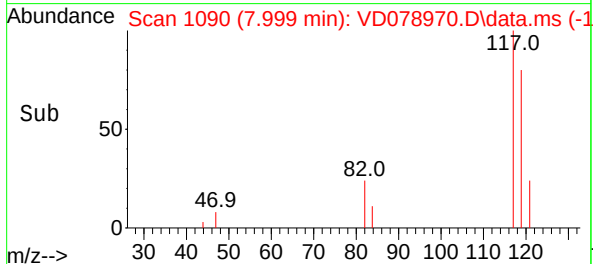
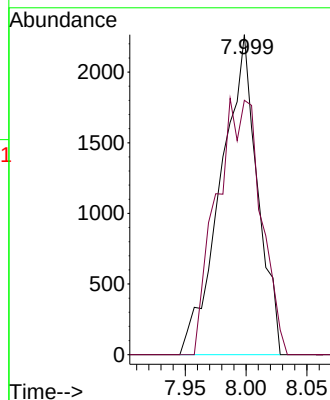
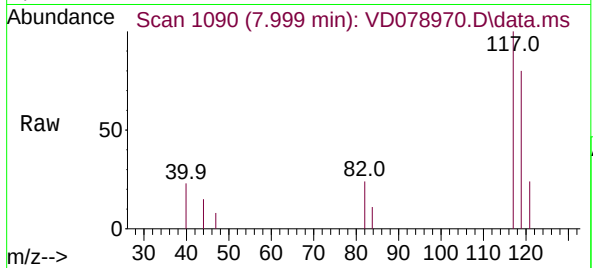




#31
Carbon tetrachloride
Concen: 1.270 ug/L
RT: 7.999 min Scan# 1109
Delta R.T. 0.006 min
Lab File: VD078970.D
Acq: 20 May 2024 14:26

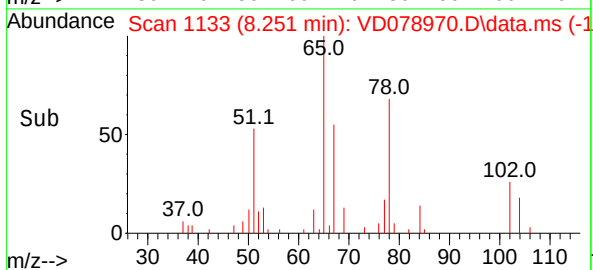
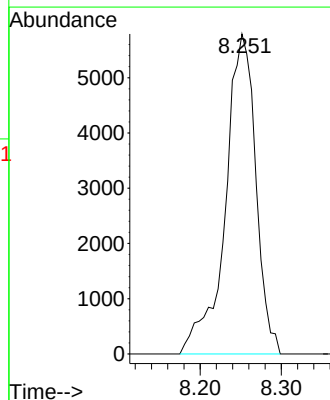
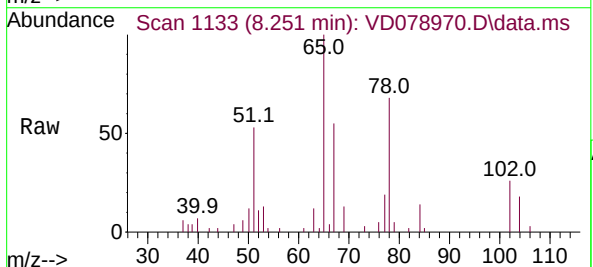
Instrument :
MSVOA_D
ClientSampleId :

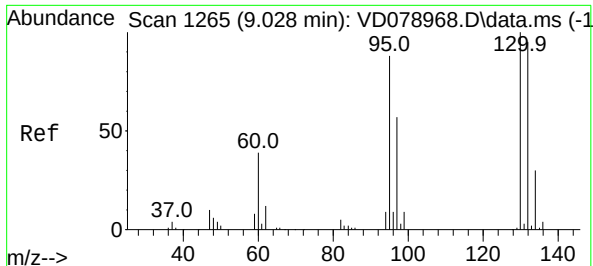
Tgt Ion:117 Resp: 4735
Ion Ratio Lower Upper
117 100
119 45.7 77.7 116.5#



#33
Benzene
Concen: 1.510 ug/L
RT: 8.251 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD078970.D
Acq: 20 May 2024 14:26

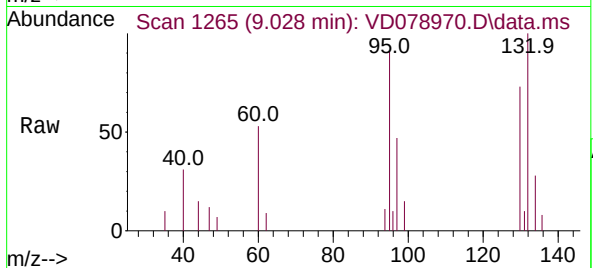
Tgt Ion: 78 Resp: 15148



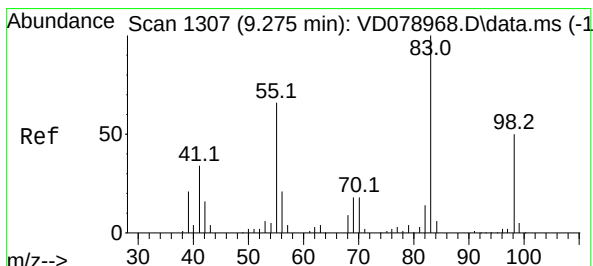
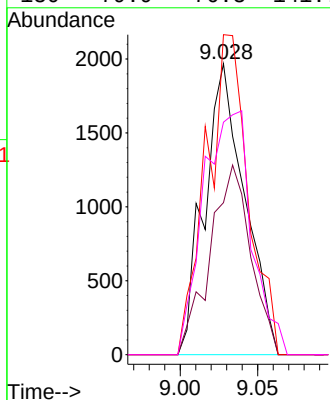
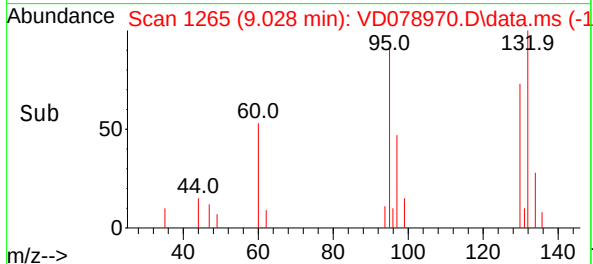


#34
Trichloroethene
Concen: 1.376 ug/L
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078970.D
Acq: 20 May 2024 14:26

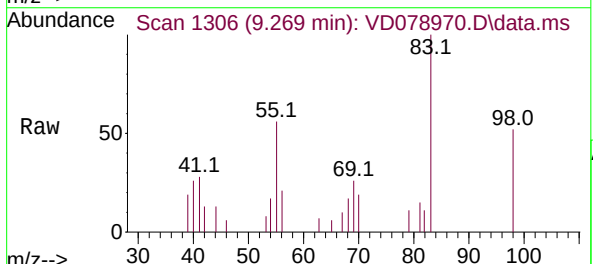
Instrument :
MSVOA_D
ClientSampleId :



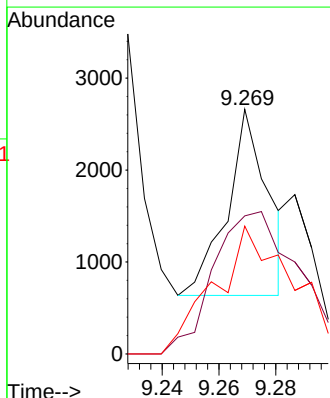
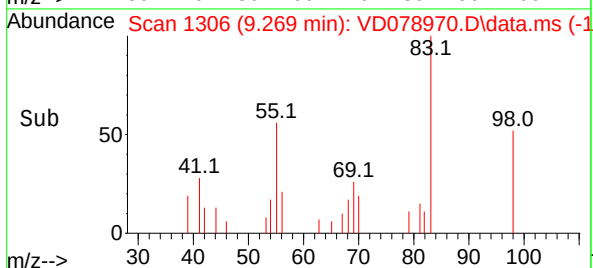
Tgt Ion: 95	Resp: 3556
Ion Ratio	Lower Upper
95 100	
97 52.2	42.6 79.2
132 110.0	69.5 129.1
130 79.9	76.3 141.7

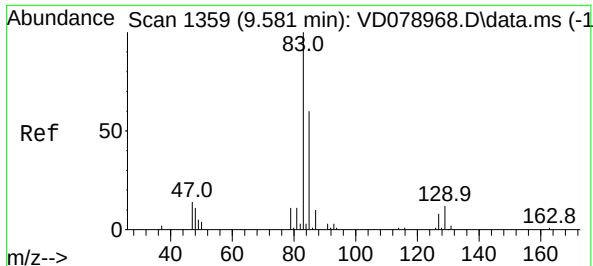


#35
Methylcyclohexane
Concen: 0.522 ug/L
RT: 9.269 min Scan# 1306
Delta R.T. -0.006 min
Lab File: VD078970.D
Acq: 20 May 2024 14:26



Tgt Ion: 83	Resp: 2027
Ion Ratio	Lower Upper
83 100	
55 163.4	49.0 73.6#
98 90.1	40.1 60.1#

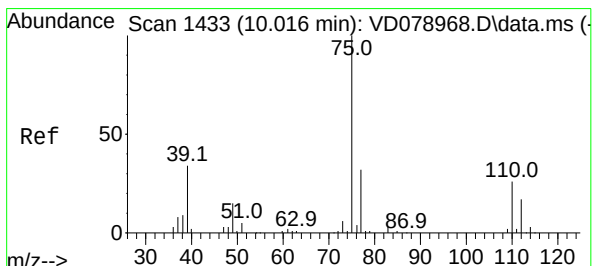
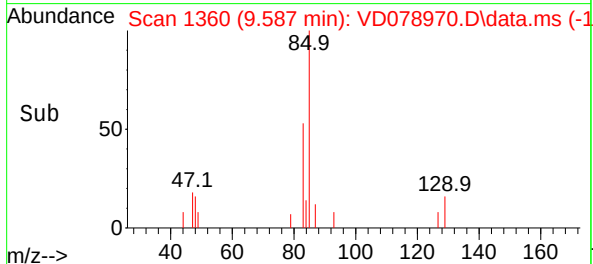
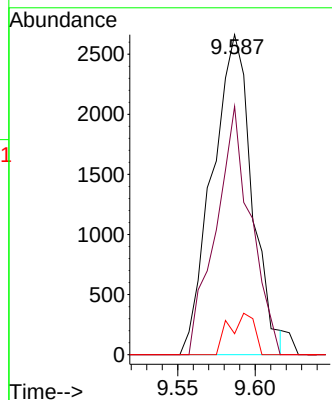
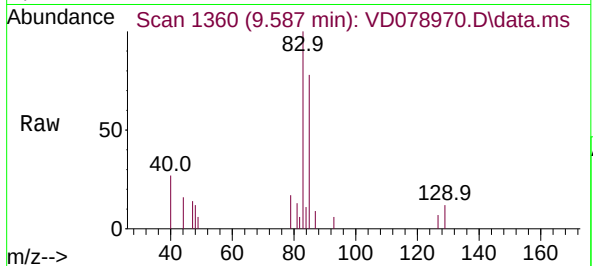




#38
Bromodichloromethane
Concen: 1.325 ug/L
RT: 9.587 min Scan# 1359
Delta R.T. 0.006 min
Lab File: VD078970.D
Acq: 20 May 2024 14:26

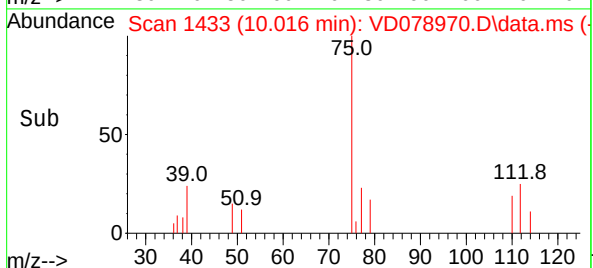
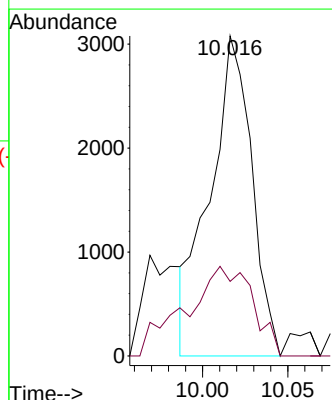
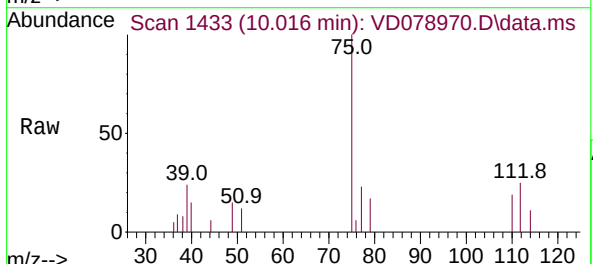
Instrument :
MSVOA_D
ClientSampleId :

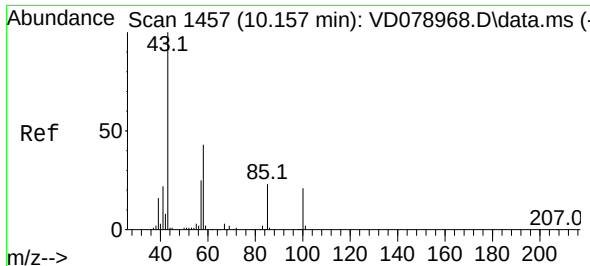
Tgt Ion: 83 Resp: 4763
Ion Ratio Lower Upper
83 100
85 77.6 45.4 84.4
127 6.6 7.6 11.4#



#39
cis-1,3-Dichloropropene
Concen: 1.321 ug/L
RT: 10.016 min Scan# 1433
Delta R.T. 0.000 min
Lab File: VD078970.D
Acq: 20 May 2024 14:26

Tgt Ion: 75 Resp: 5268
Ion Ratio Lower Upper
75 100
77 23.3 20.0 37.2





#40

4-Methyl-2-pentanone

Concen: 2.419 ug/L

RT: 10.157 min Scan# 1457

Delta R.T. 0.000 min

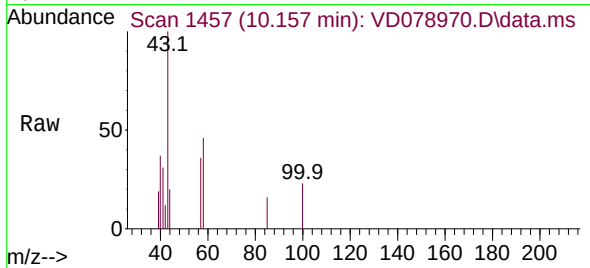
Lab File: VD078970.D

Acq: 20 May 2024 14:26

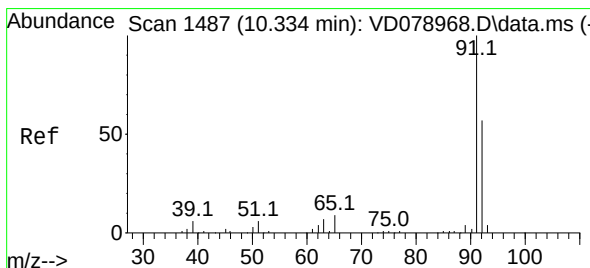
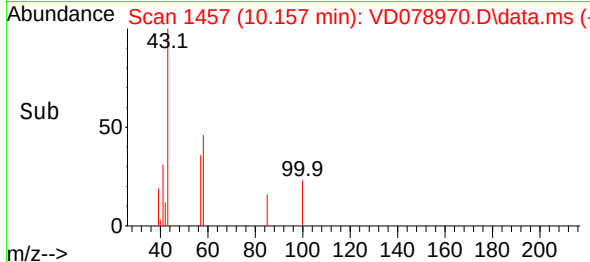
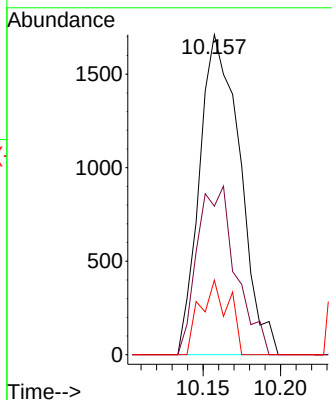
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 43	Resp: 3106
Ion Ratio	Lower Upper
43	100
58	50.3 38.0 57.0
100	16.5 17.3 25.9#



#42

Toluene

Concen: 1.374 ug/L

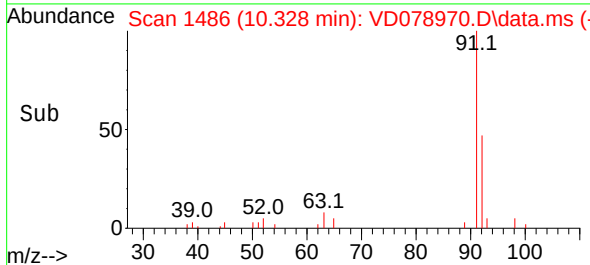
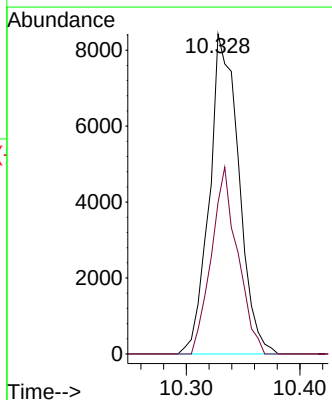
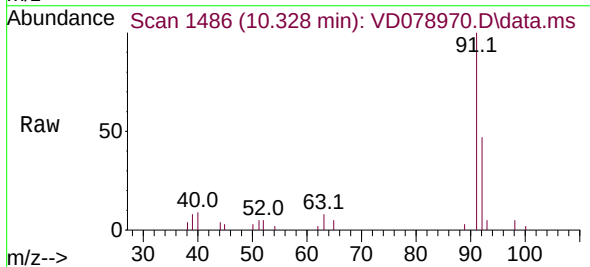
RT: 10.328 min Scan# 1486

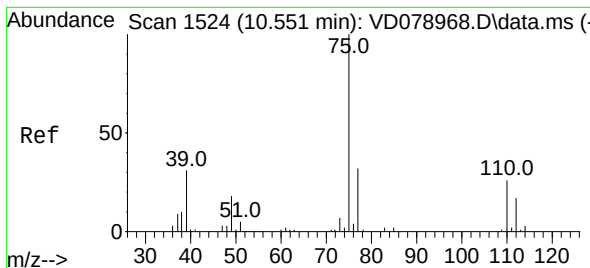
Delta R.T. -0.006 min

Lab File: VD078970.D

Acq: 20 May 2024 14:26

Tgt Ion: 91	Resp: 15149
Ion Ratio	Lower Upper
91	100
92	47.3 39.5 73.4





#44

trans-1,3-Dichloropropene

Concen: 1.641 ug/L

RT: 10.557 min Scan# 1525

Delta R.T. 0.006 min

Lab File: VD078970.D

Acq: 20 May 2024 14:26

Instrument :

MSVOA_D

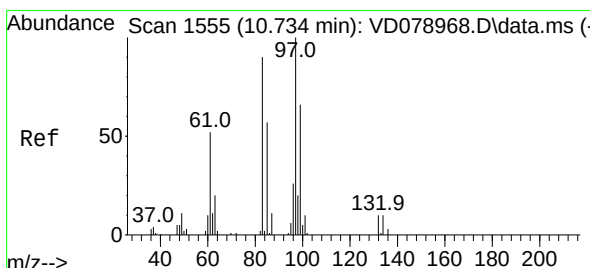
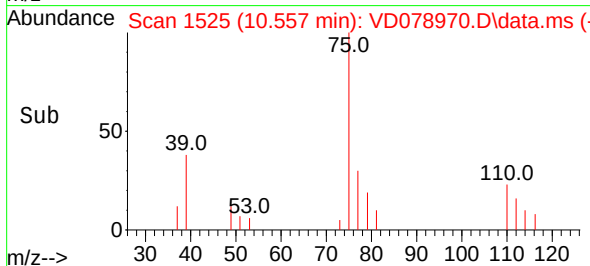
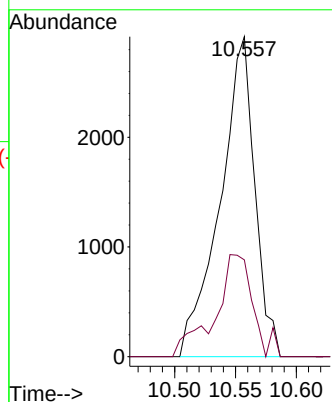
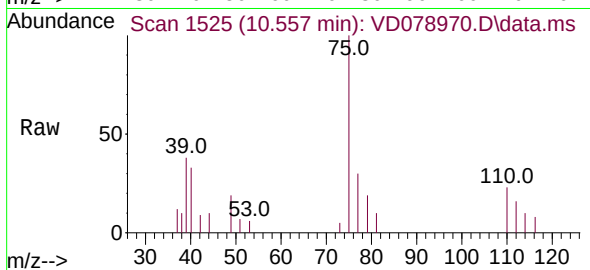
ClientSampleId :

Tgt Ion: 75 Resp: 5783

Ion Ratio Lower Upper

75 100

77 30.2 21.8 40.4



#45

1,1,2-Trichloroethane

Concen: 1.415 ug/L

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD078970.D

Acq: 20 May 2024 14:26

Tgt Ion: 97 Resp: 3289

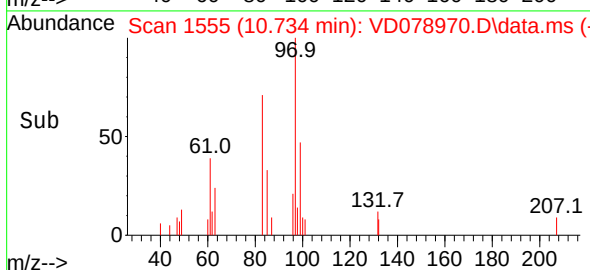
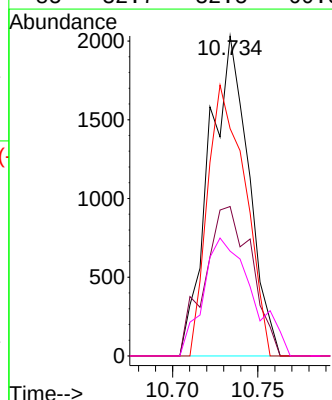
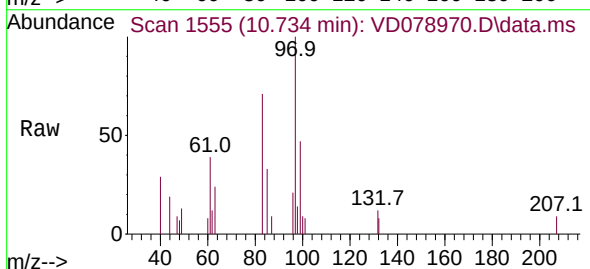
Ion Ratio Lower Upper

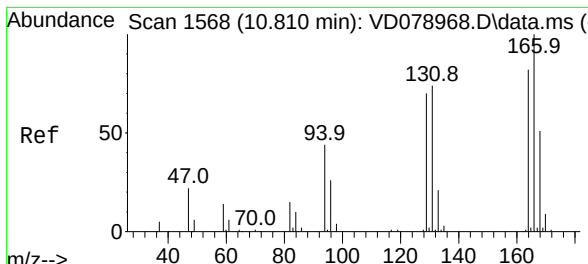
97 100

99 46.7 39.1 72.7

83 71.1 54.6 101.4

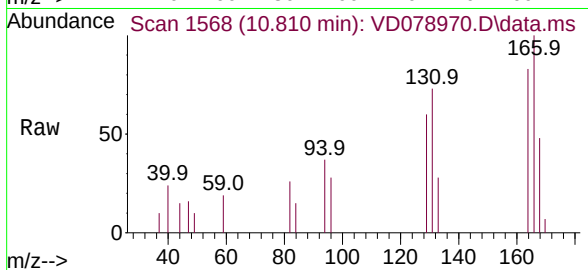
85 32.7 32.5 60.3



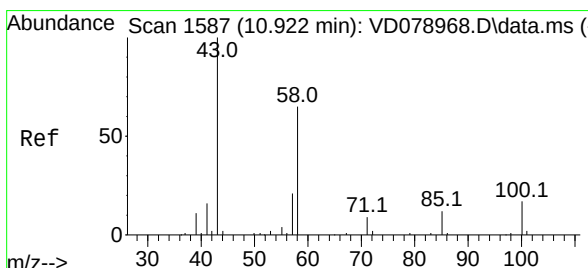
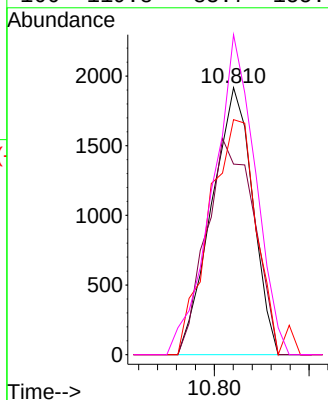
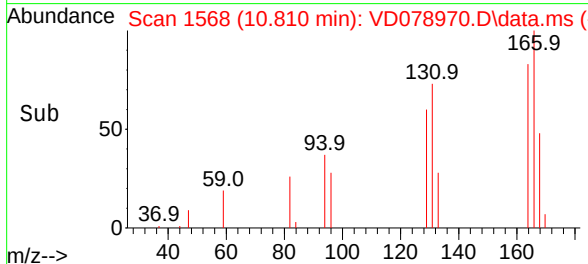


#46
Tetrachloroethene
Concen: 1.296 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD078970.D
Acq: 20 May 2024 14:26

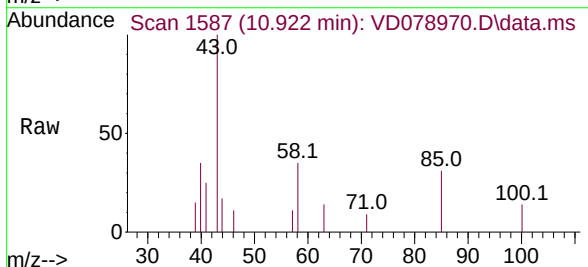
Instrument :
MSVOA_D
ClientSampleId :



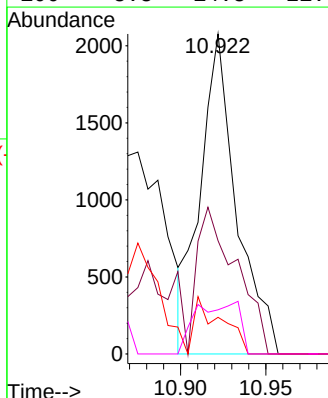
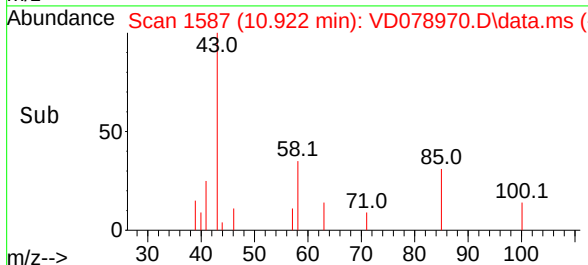
Tgt Ion:164 Resp: 2882
Ion Ratio Lower Upper
164 100
129 71.4 63.3 117.7
131 88.0 60.8 112.8
166 119.8 83.7 155.4

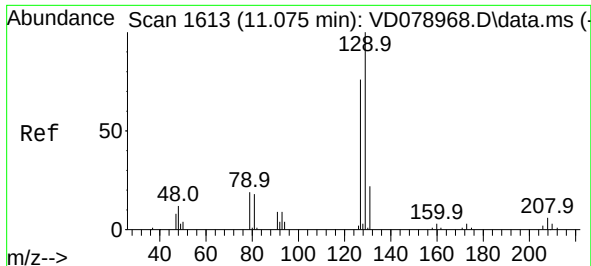


#48
2-Hexanone
Concen: 3.088 ug/L
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD078970.D
Acq: 20 May 2024 14:26



Tgt Ion: 43 Resp: 3073
Ion Ratio Lower Upper
43 100
58 49.8 53.4 80.2#
57 6.5 17.0 25.4#
100 8.8 14.3 21.5#





#49

Dibromochloromethane

Concen: 1.397 ug/L

RT: 11.069 min Scan# 1612

Delta R.T. -0.006 min

Lab File: VD078970.D

Acq: 20 May 2024 14:26

Instrument :

MSVOA_D

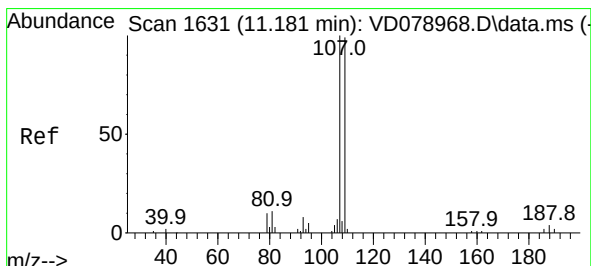
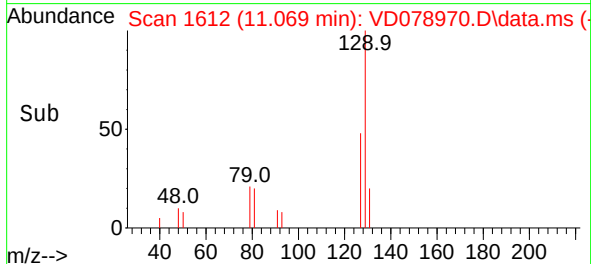
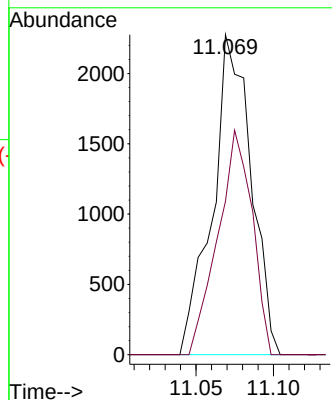
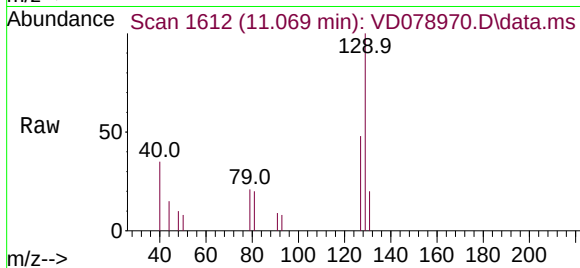
ClientSampleId :

Tgt Ion:129 Resp: 3947

Ion Ratio Lower Upper

129 100

127 48.0 54.8 101.8#



#50

1,2-Dibromoethane

Concen: 1.340 ug/L

RT: 11.181 min Scan# 1631

Delta R.T. 0.000 min

Lab File: VD078970.D

Acq: 20 May 2024 14:26

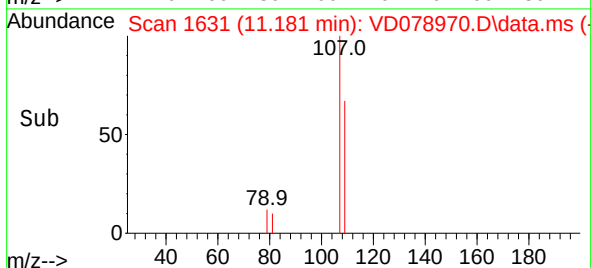
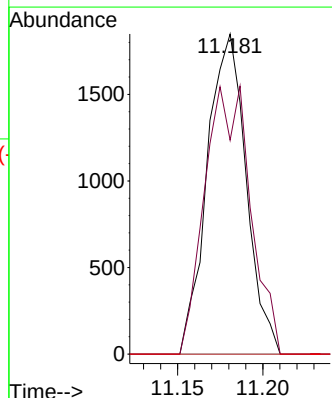
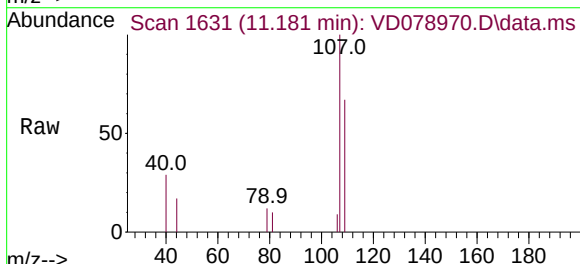
Tgt Ion:107 Resp: 2942

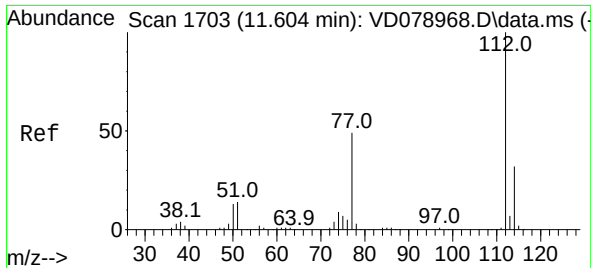
Ion Ratio Lower Upper

107 100

109 66.8 67.0 124.4#

188 0.0 3.4 5.2#





#51

Chlorobenzene

Concen: 1.298 ug/L

RT: 11.610 min Scan# 1704

Delta R.T. 0.006 min

Lab File: VD078970.D

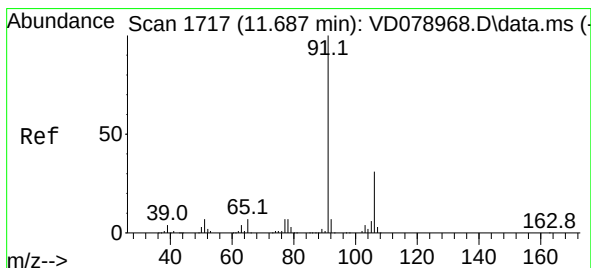
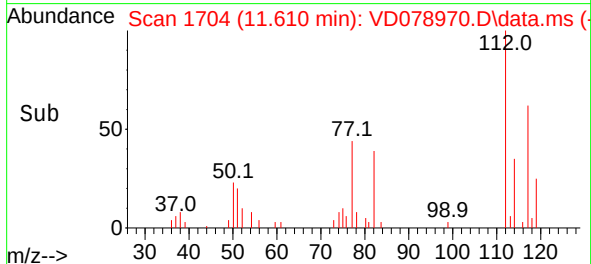
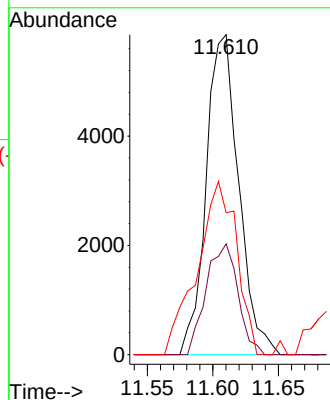
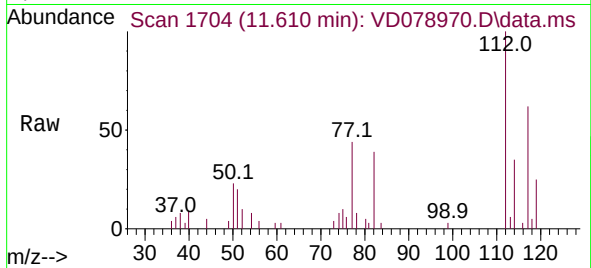
Acq: 20 May 2024 14:26

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:112	Resp:	10108
Ion Ratio	Lower	Upper
112	100	
114	34.7	22.5 41.9
77	44.4	39.4 59.0



#52

Ethylbenzene

Concen: 1.144 ug/L

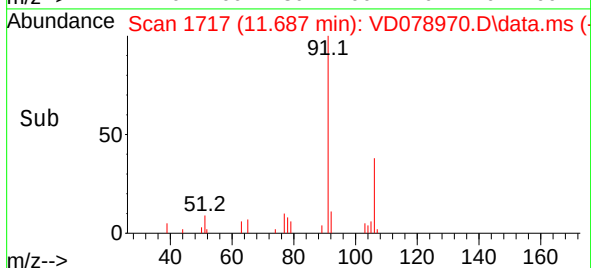
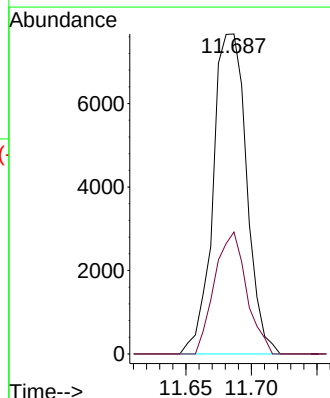
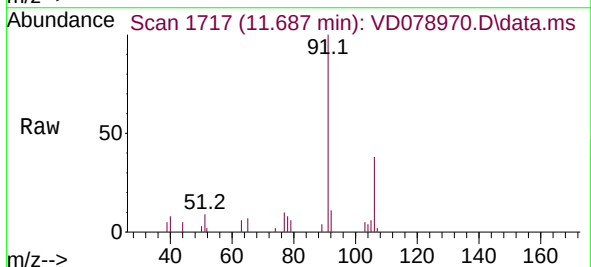
RT: 11.687 min Scan# 1717

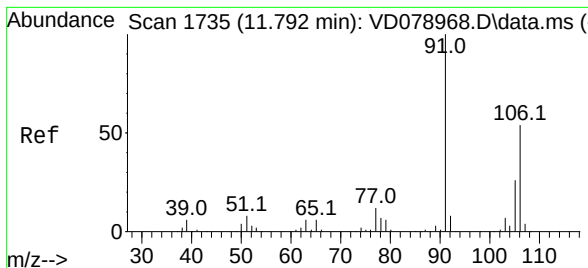
Delta R.T. 0.000 min

Lab File: VD078970.D

Acq: 20 May 2024 14:26

Tgt Ion: 91	Resp:	13620
Ion Ratio	Lower	Upper
91	100	
106	38.1	21.6 40.2





#53

m,p-Xylene

Concen: 1.136 ug/L

RT: 11.792 min Scan# 1735

Delta R.T. 0.000 min

Lab File: VD078970.D

Acq: 20 May 2024 14:26

Instrument :

MSVOA_D

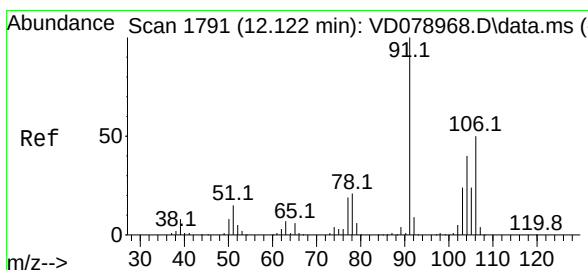
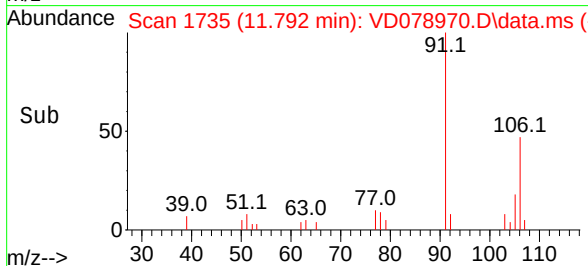
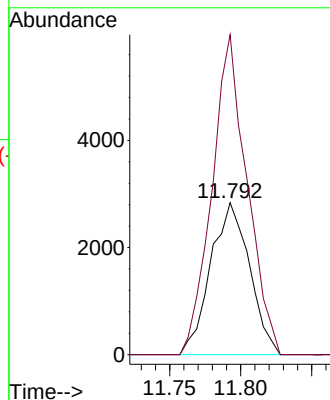
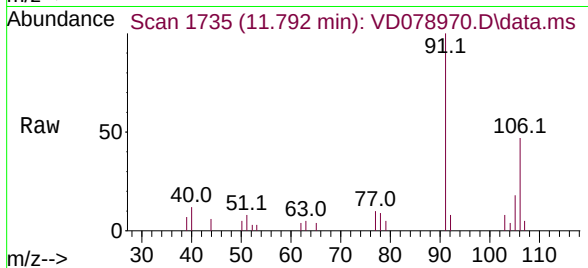
ClientSampleId :

Tgt Ion:106 Resp: 5408

Ion Ratio Lower Upper

106 100

91 210.6 128.3 238.3



#54

o-Xylene

Concen: 1.022 ug/L

RT: 12.116 min Scan# 1790

Delta R.T. -0.006 min

Lab File: VD078970.D

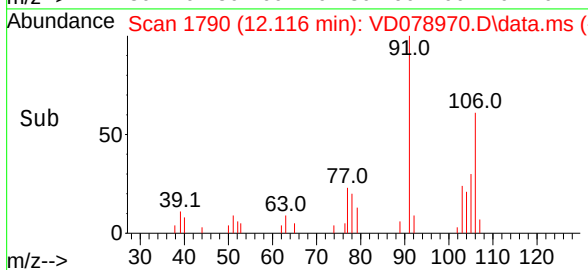
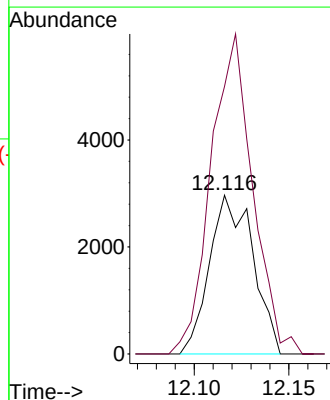
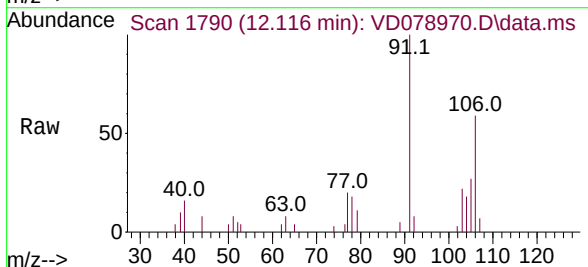
Acq: 20 May 2024 14:26

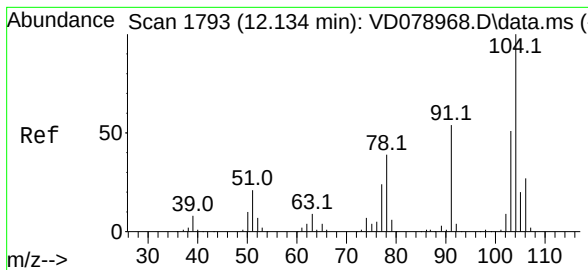
Tgt Ion:106 Resp: 4740

Ion Ratio Lower Upper

106 100

91 168.6 138.3 256.9





#55

Styrene

Concen: 0.934 ug/L

RT: 12.134 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD078970.D

Acq: 20 May 2024 14:26

Instrument :

MSVOA_D

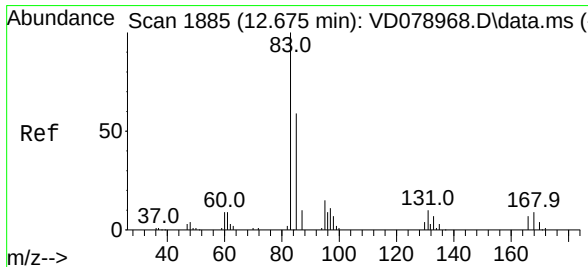
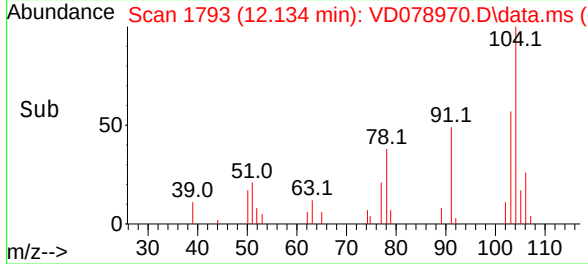
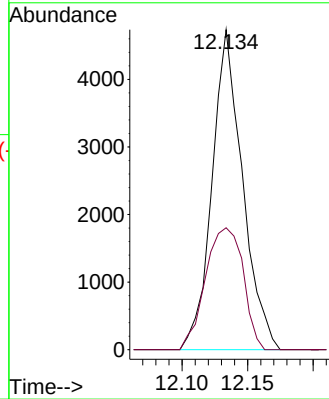
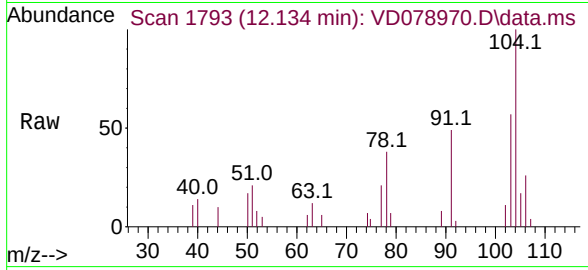
ClientSampleId :

Tgt Ion:104 Resp: 7652

Ion Ratio Lower Upper

104 100

78 38.1 27.8 51.6



#57

1,1,2,2-Tetrachloroethane

Concen: 1.436 ug/L

RT: 12.669 min Scan# 1884

Delta R.T. -0.006 min

Lab File: VD078970.D

Acq: 20 May 2024 14:26

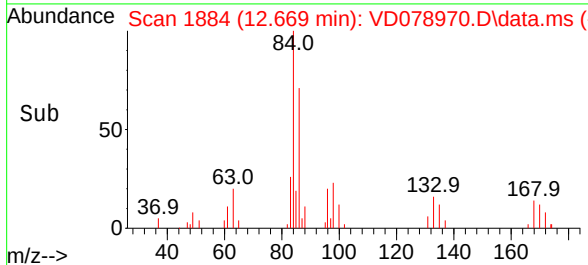
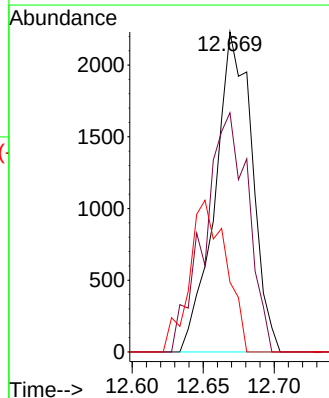
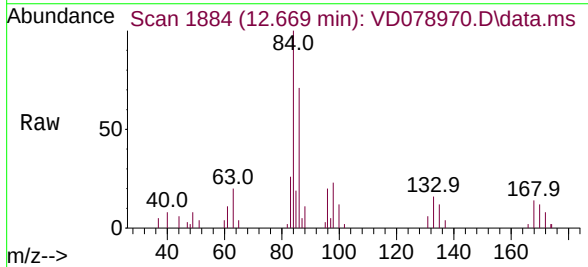
Tgt Ion: 83 Resp: 4048

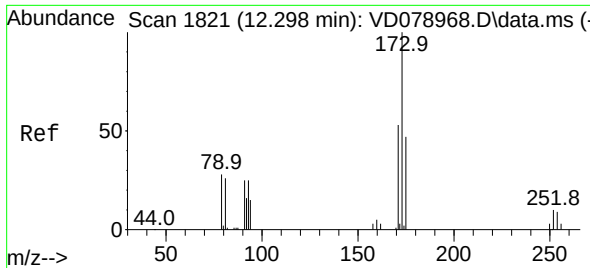
Ion Ratio Lower Upper

83 100

85 74.8 44.3 82.3

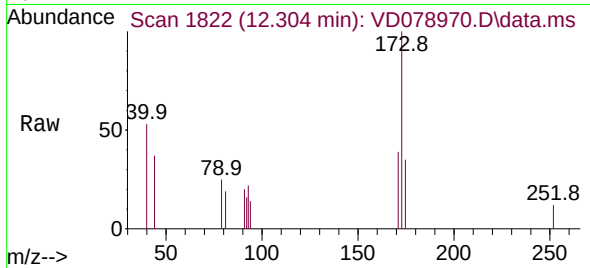
131 21.8 7.5 11.3#



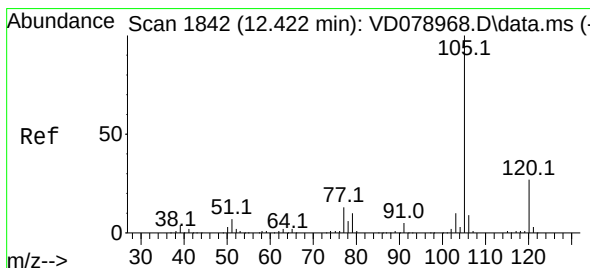
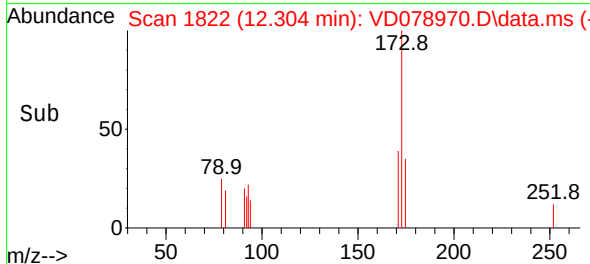
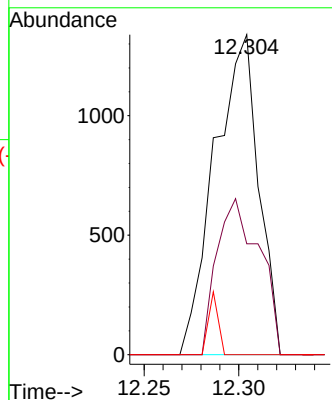


#59
Bromoform
Concen: 1.343 ug/L
RT: 12.304 min Scan# 1822
Delta R.T. 0.006 min
Lab File: VD078970.D
Acq: 20 May 2024 14:26

Instrument :
MSVOA_D
ClientSampleId :

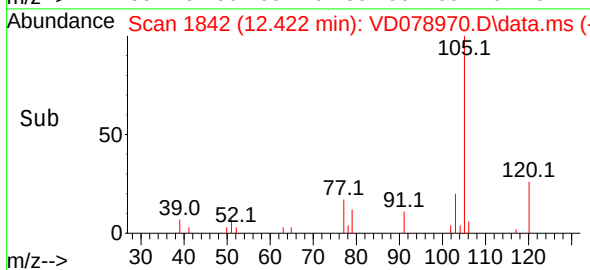
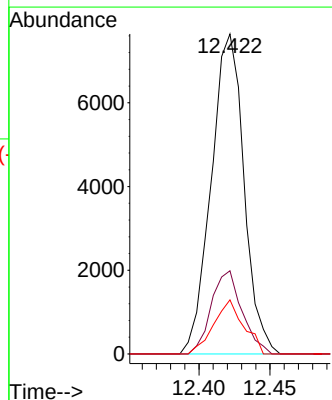
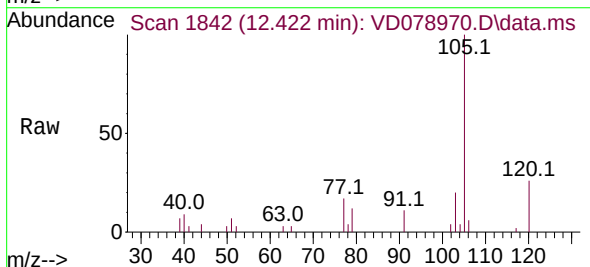


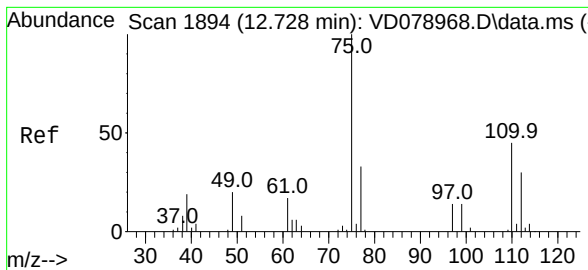
Tgt Ion:173 Resp: 2153
Ion Ratio Lower Upper
173 100
175 47.2 40.0 60.0
254 0.0 6.3 9.5#



#60
Isopropylbenzene
Concen: 1.172 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD078970.D
Acq: 20 May 2024 14:26

Tgt Ion:105 Resp: 12272
Ion Ratio Lower Upper
105 100
120 24.4 21.8 32.8
77 15.5 11.7 17.5

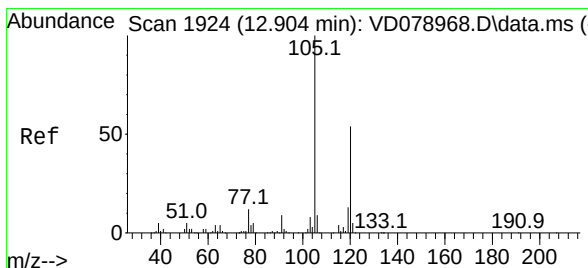
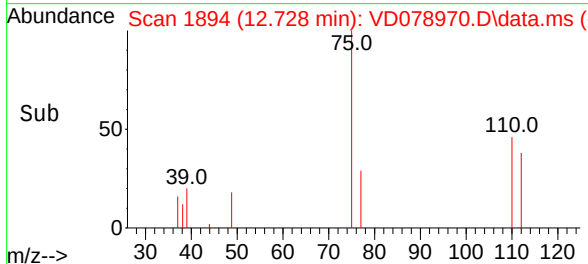
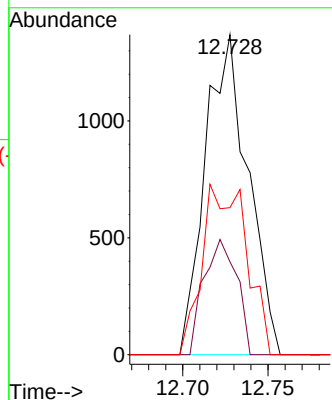
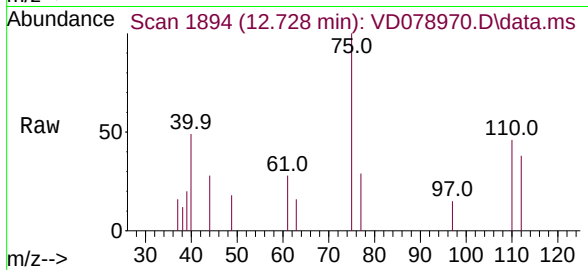




#61
 1,2,3-Trichloropropane
 Concen: 1.474 ug/L
 RT: 12.728 min Scan# 1894
 Delta R.T. 0.000 min
 Lab File: VD078970.D
 Acq: 20 May 2024 14:26

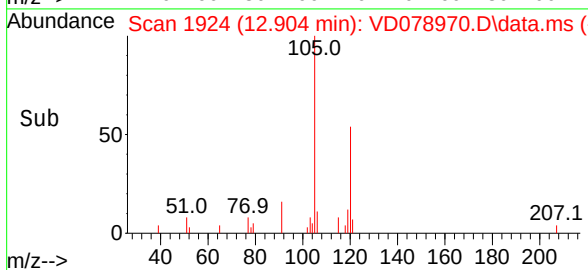
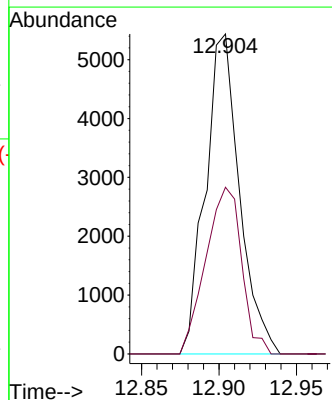
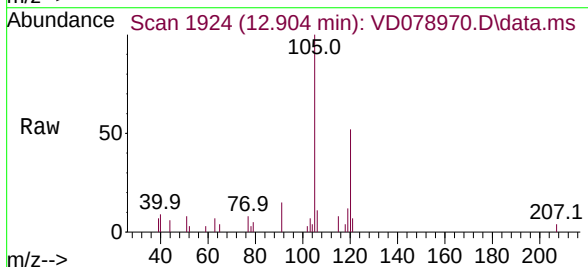
Instrument :
 MSVOA_D
 ClientSampleId :

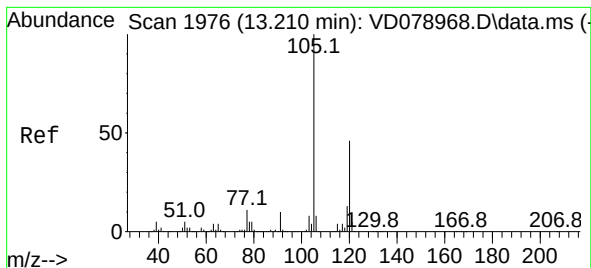
Tgt Ion: 75 Resp: 2393
 Ion Ratio Lower Upper
 75 100
 77 28.0 26.2 39.2
 110 28.2 37.1 55.7#



#62
 1,3,5-Trimethylbenzene
 Concen: 1.074 ug/L
 RT: 12.904 min Scan# 1924
 Delta R.T. 0.000 min
 Lab File: VD078970.D
 Acq: 20 May 2024 14:26

Tgt Ion: 105 Resp: 8315
 Ion Ratio Lower Upper
 105 100
 120 54.8 41.9 62.9





#63

1,2,4-Trimethylbenzene

Concen: 1.020 ug/L

RT: 13.210 min Scan# 1976

Delta R.T. 0.000 min

Lab File: VD078970.D

Acq: 20 May 2024 14:26

Instrument :

MSVOA_D

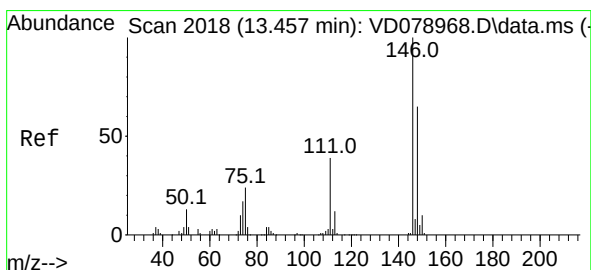
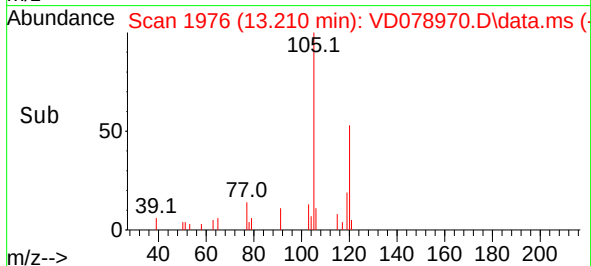
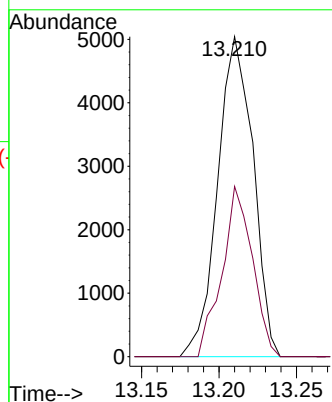
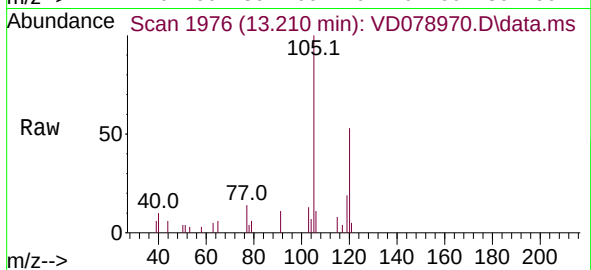
ClientSampleId :

Tgt Ion:105 Resp: 8024

Ion Ratio Lower Upper

105 100

120 45.5 38.8 58.2



#64

1,3-Dichlorobenzene

Concen: 1.276 ug/L

RT: 13.463 min Scan# 2019

Delta R.T. 0.006 min

Lab File: VD078970.D

Acq: 20 May 2024 14:26

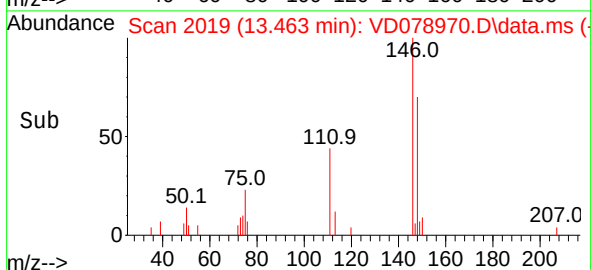
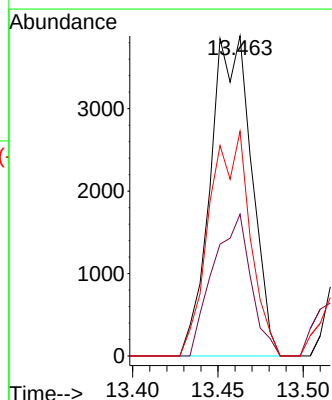
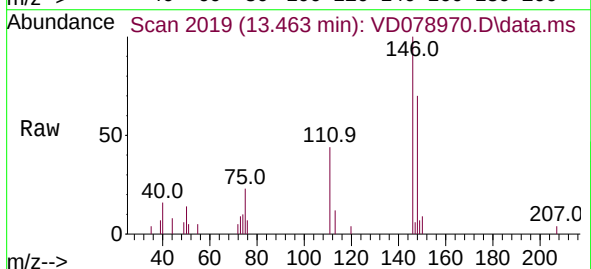
Tgt Ion:146 Resp: 6487

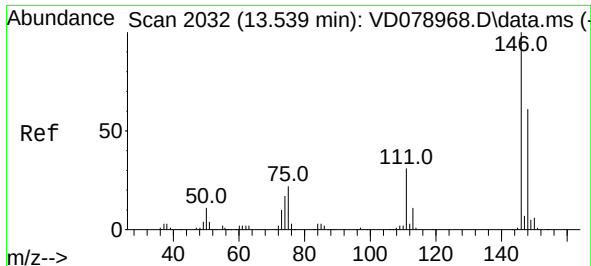
Ion Ratio Lower Upper

146 100

111 44.3 24.0 44.6

148 70.2 42.9 79.7





#65

1,4-Dichlorobenzene

Concen: 1.341 ug/L

RT: 13.534 min Scan# 2032

Delta R.T. -0.006 min

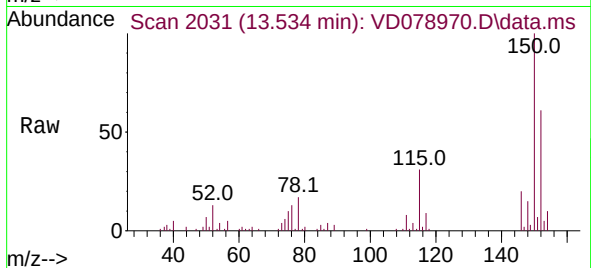
Lab File: VD078970.D

Acq: 20 May 2024 14:26

Instrument :

MSVOA_D

ClientSampleId :



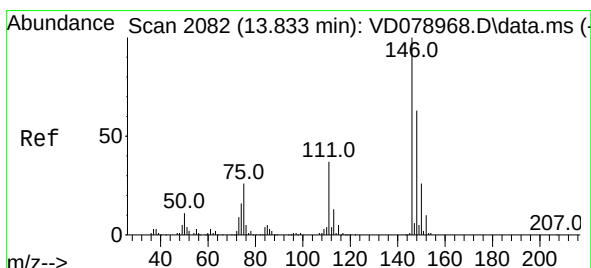
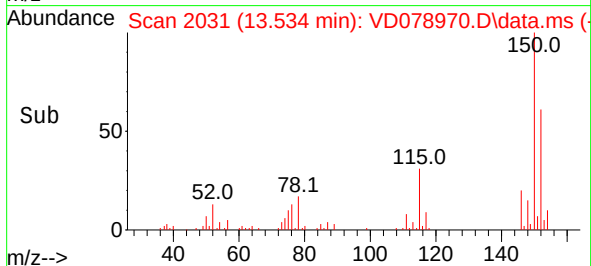
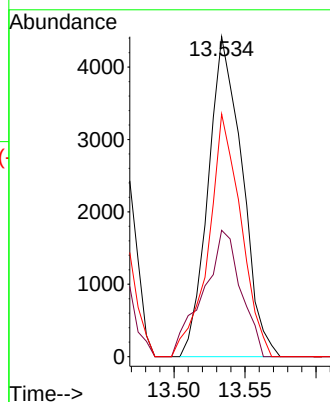
Tgt Ion:146 Resp: 7349

Ion Ratio Lower Upper

146 100

111 39.5 26.9 50.1

148 75.8 46.4 86.2



#67

1,2-Dichlorobenzene

Concen: 1.502 ug/L

RT: 13.828 min Scan# 2081

Delta R.T. -0.006 min

Lab File: VD078970.D

Acq: 20 May 2024 14:26

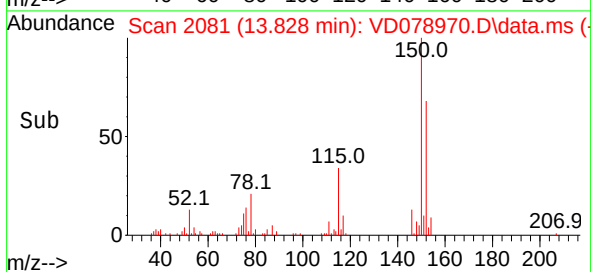
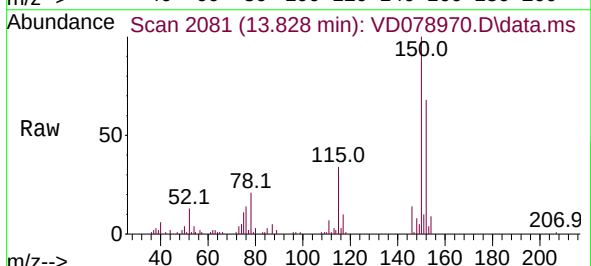
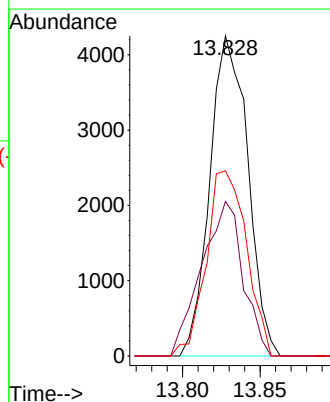
Tgt Ion:146 Resp: 7227

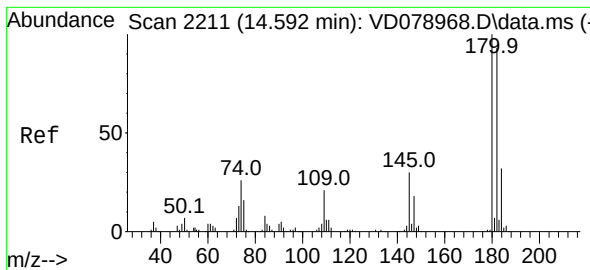
Ion Ratio Lower Upper

146 100

111 48.3 30.9 46.3#

148 57.9 51.4 77.0





#69

1,3,5-Trichlorobenzene

Concen: 1.278 ug/L

RT: 14.592 min Scan# 2211

Delta R.T. 0.000 min

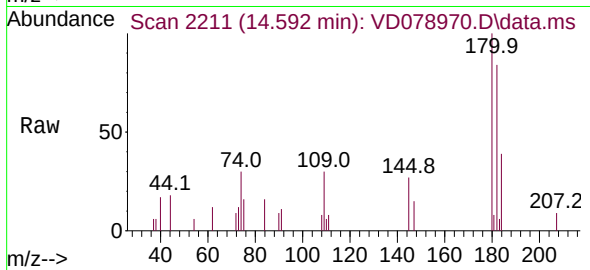
Lab File: VD078970.D

Acq: 20 May 2024 14:26

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:180 Resp: 4220

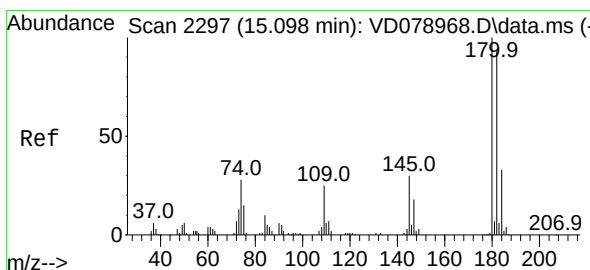
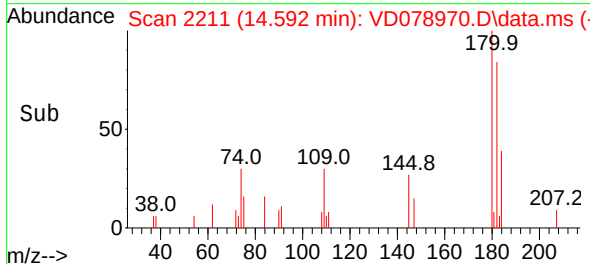
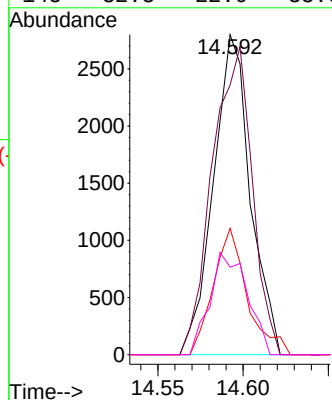
Ion Ratio Lower Upper

180 100

182 103.8 76.2 114.2

184 36.3 24.9 37.3

145 32.3 22.0 33.0



#70

1,2,4-trichlorobenzene

Concen: 1.480 ug/L

RT: 15.098 min Scan# 2297

Delta R.T. 0.000 min

Lab File: VD078970.D

Acq: 20 May 2024 14:26

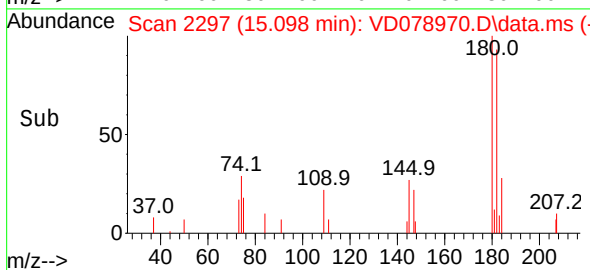
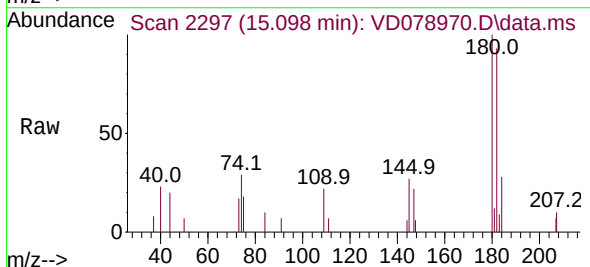
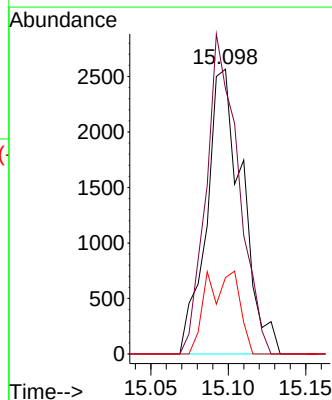
Tgt Ion:180 Resp: 4139

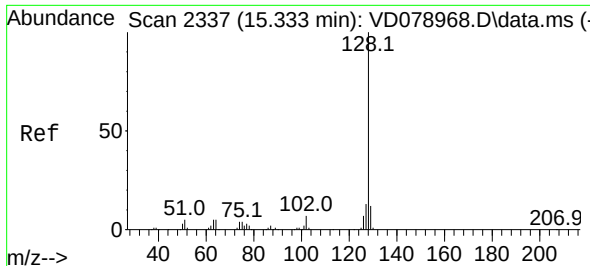
Ion Ratio Lower Upper

180 100

182 101.4 76.4 114.6

145 14.7 22.8 34.2#



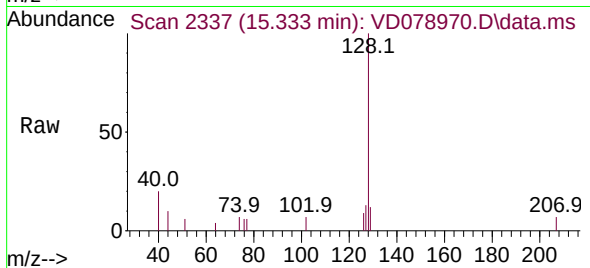


#71
Naphthalene
Concen: 1.439 ug/L
RT: 15.333 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VD078970.D
Acq: 20 May 2024 14:26

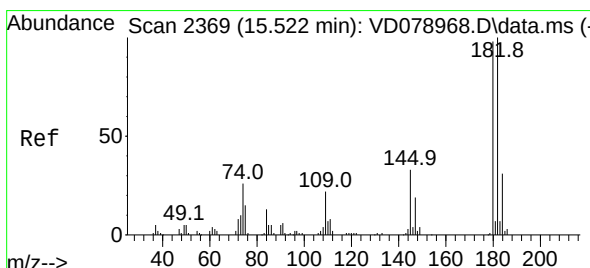
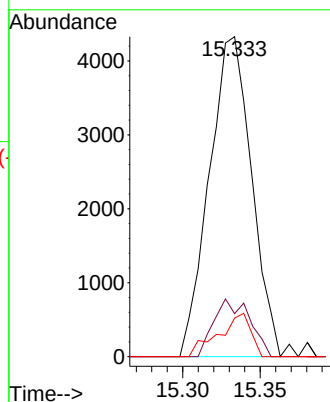
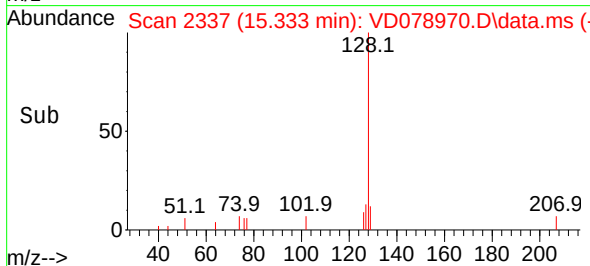
Instrument :

MSVOA_D

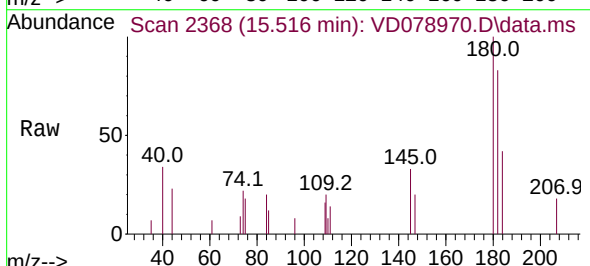
ClientSampleId :



Tgt Ion:128 Resp: 8207
Ion Ratio Lower Upper
128 100
127 15.4 10.3 15.5
129 10.3 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 1.401 ug/L
RT: 15.516 min Scan# 2368
Delta R.T. -0.006 min
Lab File: VD078970.D
Acq: 20 May 2024 14:26



Tgt Ion:180 Resp: 3660
Ion Ratio Lower Upper
180 100
182 103.5 77.2 115.8
145 23.4 24.4 36.6#

