

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050423\
 Data File : VD075998.D
 Acq On : 04 May 2023 12:08
 Operator : KP/SY
 Sample : 02593-05REMS
 Misc : 5.78G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 05 00:48:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM042023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri May 05 00:35:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	325028	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	296188	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	143167	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	154217	21.629	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.520%
7) Chloroethane-d5	2.805	69	135835	22.049	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.200%
11) 1,1-Dichloroethene-d2	3.916	65	34975	21.276	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.120%
21) 2-Butanone-d5	6.987	46	28031	45.285	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.560%
24) Chloroform-d	7.569	84	188018	23.133	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.520%
26) 1,2-Dichloroethane-d4	8.228	65	77943	22.456	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.840%
32) Benzene-d6	8.199	84	385804	22.348	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.400%
36) 1,2-Dichloropropane-d6	9.210	67	113050	23.659	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.640%
41) Toluene-d8	10.269	98	357780	22.138	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.560%
43) trans-1,3-Dichloroprop...	10.528	79	42073	21.302	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.200%
47) 2-Hexanone-d5	10.875	63	23012	39.998	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.000%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	81519	22.295	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.160%
66) 1,2-Dichlorobenzene-d4	13.816	152	107247	21.178	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	112464	25.100	ug/L	98
3) Chloromethane	2.146	50	158449	25.367	ug/L	99
5) Vinyl chloride	2.281	62	205813	25.211	ug/L	99
6) Bromomethane	2.693	94	114432	20.861	ug/L	96
8) Chloroethane	2.834	64	124659	23.611	ug/L	99
9) Trichlorofluoromethane	3.175	101	159540	24.323	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	111070	25.205	ug/L	97
12) 1,1-Dichloroethene	3.940	96	99649	23.317	ug/L	89
13) Acetone	4.016	43	82451	155.650	ug/L	95
14) Carbon disulfide	4.269	76	338916	22.705	ug/L	99
15) Methyl Acetate	4.558	43	26411	23.006	ug/L	93
16) Methylene chloride	4.799	84	123641	18.752	ug/L	93
17) trans-1,2-Dichloroethene	5.316	96	105916	22.103	ug/L	97
18) Methyl tert-butyl Ether	5.322	73	150261	19.548	ug/L	97
19) 1,1-Dichloroethane	6.110	63	170357	24.267	ug/L	96
20) cis-1,2-Dichloroethene	7.081	96	110634	21.834	ug/L	95
22) 2-Butanone	7.087	43	33971	49.192	ug/L	94
23) Bromochloromethane	7.422	128	52860	22.494	ug/L #	93
25) Chloroform	7.593	83	183826	23.365	ug/L	98

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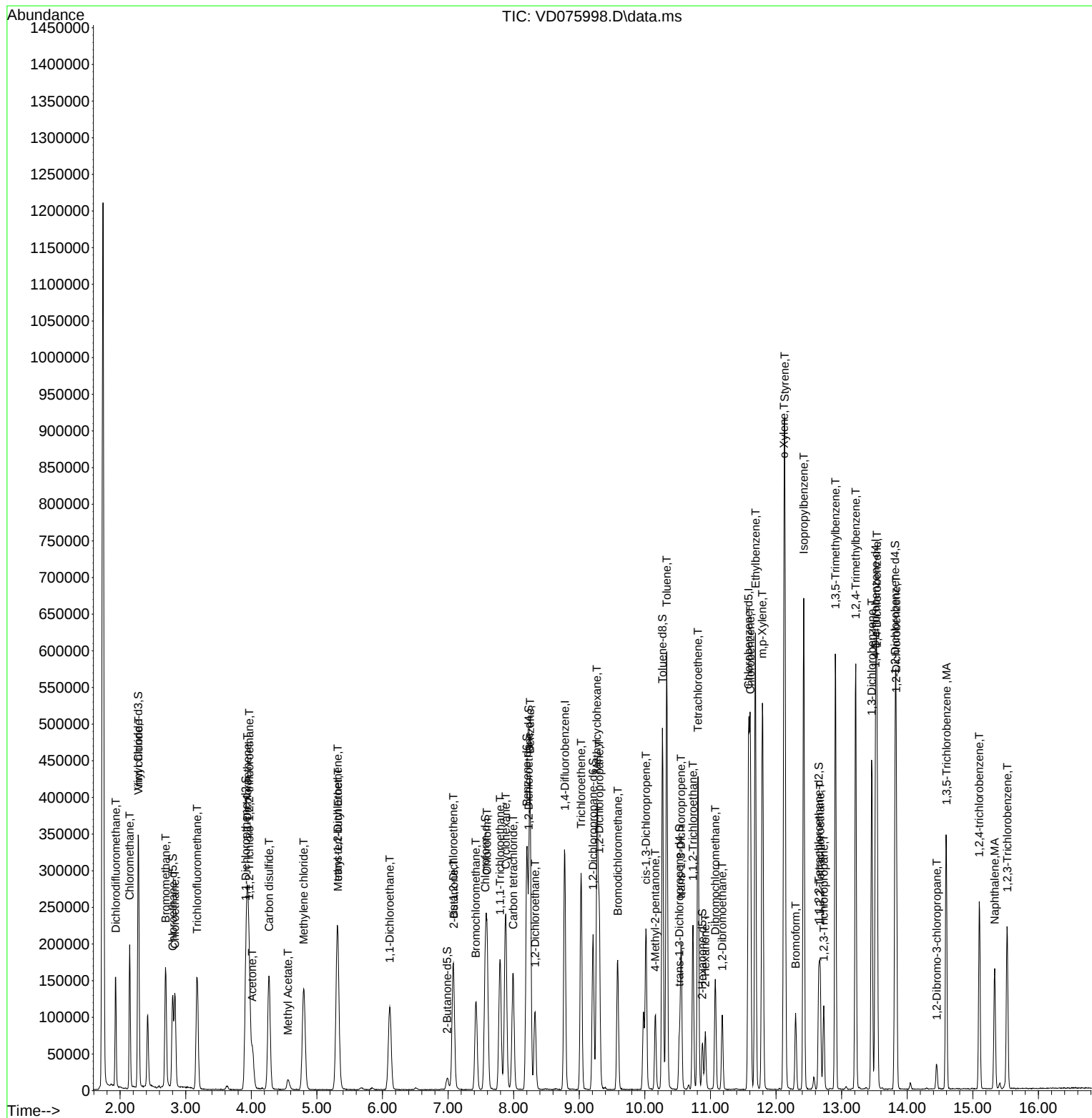
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	92926	22.882	ug/L	99
29) Cyclohexane	7.881	56	131032	25.842	ug/L	91
30) 1,1,1-Trichloroethane	7.793	97	150793	24.063	ug/L	98
31) Carbon tetrachloride	7.993	117	120917	24.050	ug/L	99
33) Benzene	8.251	78	418107	23.337	ug/L	100
34) Trichloroethene	9.028	95	107272	23.153	ug/L	98
35) Methylcyclohexane	9.269	83	170201	23.827	ug/L	98
37) 1,2-Dichloropropane	9.304	63	101365	24.630	ug/L	100
38) Bromodichloromethane	9.587	83	126165	22.736	ug/L	98
39) cis-1,3-Dichloropropene	10.016	75	143996	22.001	ug/L	98
40) 4-Methyl-2-pentanone	10.157	43	62748	41.819	ug/L	95
42) Toluene	10.334	91	468606	24.170	ug/L	100
44) trans-1,3-Dichloropropene	10.551	75	116123	22.086	ug/L	96
45) 1,1,2-Trichloroethane	10.734	97	77643	22.176	ug/L	97
46) Tetrachloroethene	10.810	164	106592	28.049	ug/L	94
48) 2-Hexanone	10.922	43	43599	41.216	ug/L	94
49) Dibromochloromethane	11.075	129	83112	21.805	ug/L	100
50) 1,2-Dibromoethane	11.181	107	66632	21.109	ug/L	95
51) Chlorobenzene	11.610	112	285613	22.518	ug/L	99
52) Ethylbenzene	11.687	91	459094	23.092	ug/L	99
53) m,p-Xylene	11.792	106	188284	23.784	ug/L	93
54) o-Xylene	12.122	106	174195	23.167	ug/L	98
55) Styrene	12.134	104	311766	23.823	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.675	83	76197	21.389	ug/L	99
59) Bromoform	12.298	173	46690	21.279	ug/L	99
60) Isopropylbenzene	12.422	105	446797	23.536	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	47942	21.317	ug/L	98
62) 1,3,5-Trimethylbenzene	12.904	105	326939	23.096	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	317255	23.250	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	205227	22.594	ug/L	98
65) 1,4-Dichlorobenzene	13.539	146	212536	22.295	ug/L	98
67) 1,2-Dichlorobenzene	13.834	146	181137	22.331	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.451	75	8317	18.499	ug/L	88
69) 1,3,5-Trichlorobenzene	14.598	180	118739	19.504	ug/L	99
70) 1,2,4-trichlorobenzene	15.098	180	89328	17.705	ug/L	99
71) Naphthalene	15.333	128	153368	16.611	ug/L	100
72) 1,2,3-Trichlorobenzene	15.528	180	79656	17.687	ug/L	99

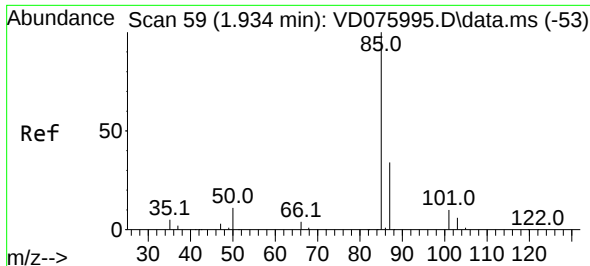
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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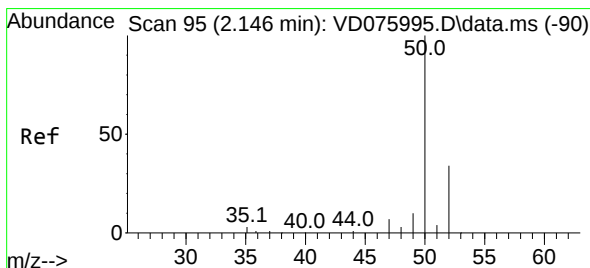
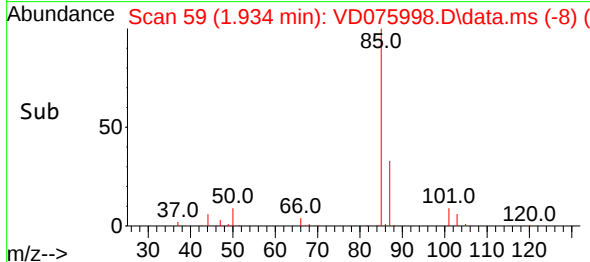
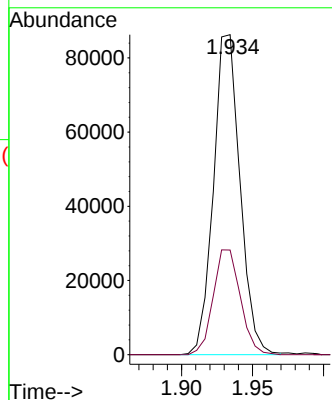
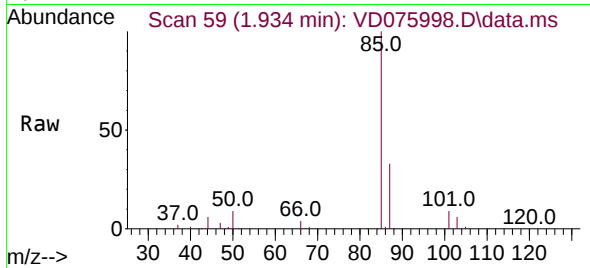




#2
 Dichlorodifluoromethane
 Concen: 25.100 ug/L
 RT: 1.934 min Scan# 59
 Delta R.T. -0.000 min
 Lab File: VD075998.D
 Acq: 04 May 2023 12:08

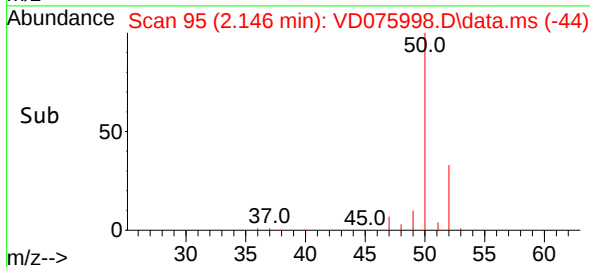
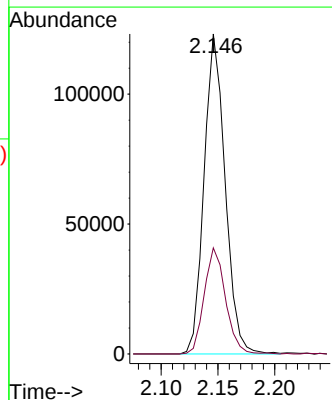
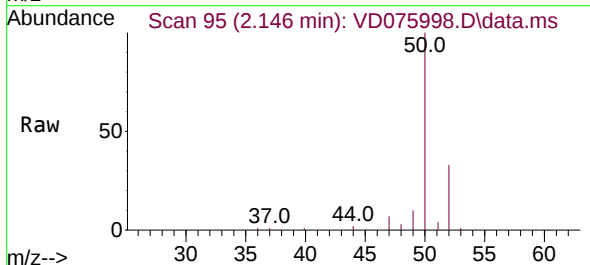
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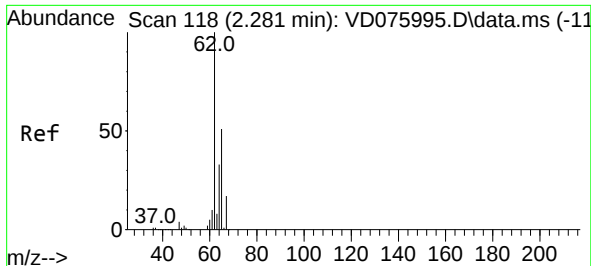
Tgt Ion: 85 Resp: 112464
 Ion Ratio Lower Upper
 85 100
 87 33.4 25.8 38.8



#3
 Chloromethane
 Concen: 25.367 ug/L
 RT: 2.146 min Scan# 95
 Delta R.T. -0.000 min
 Lab File: VD075998.D
 Acq: 04 May 2023 12:08

Tgt Ion: 50 Resp: 158449
 Ion Ratio Lower Upper
 50 100
 52 33.2 23.7 44.1

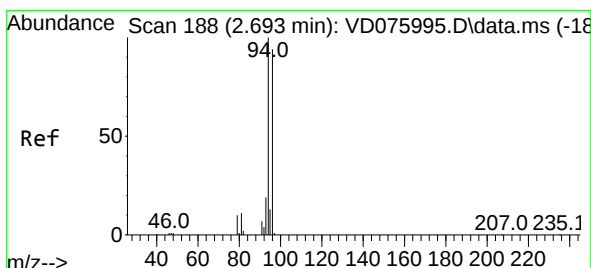
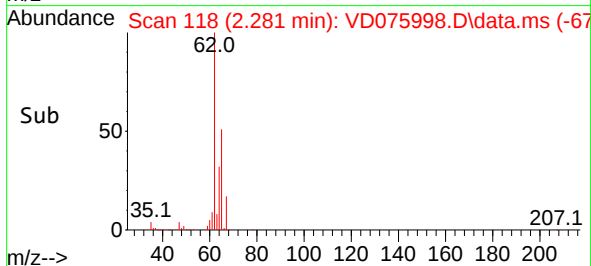
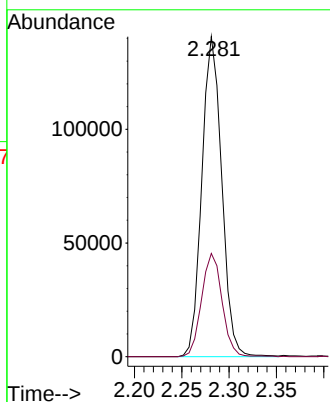
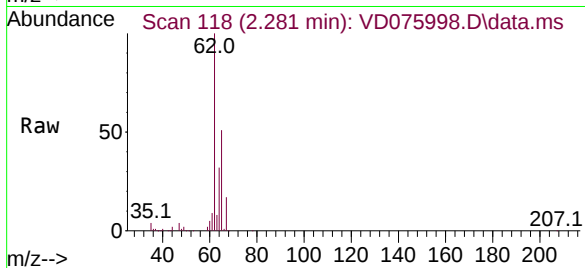




#5
 Vinyl chloride
 Concen: 25.211 ug/L
 RT: 2.281 min Scan# 118
 Delta R.T. -0.000 min
 Lab File: VD075998.D
 Acq: 04 May 2023 12:08

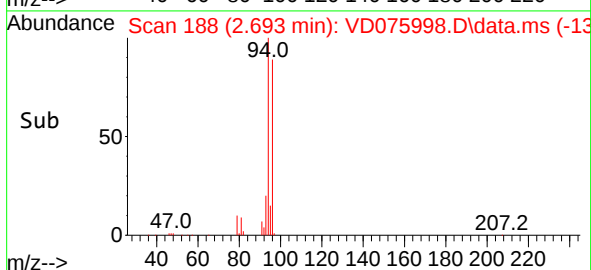
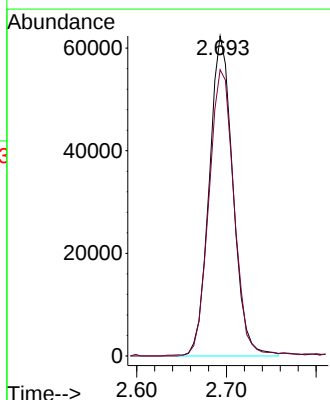
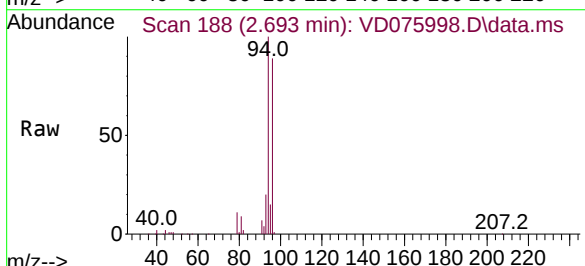
Instrument :
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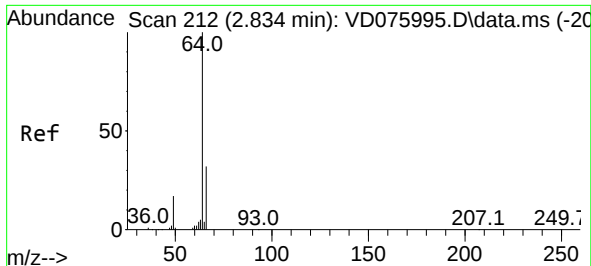
Tgt Ion: 62 Resp: 205813
 Ion Ratio Lower Upper
 62 100
 64 32.3 23.2 43.0



#6
 Bromomethane
 Concen: 20.861 ug/L
 RT: 2.693 min Scan# 188
 Delta R.T. -0.000 min
 Lab File: VD075998.D
 Acq: 04 May 2023 12:08

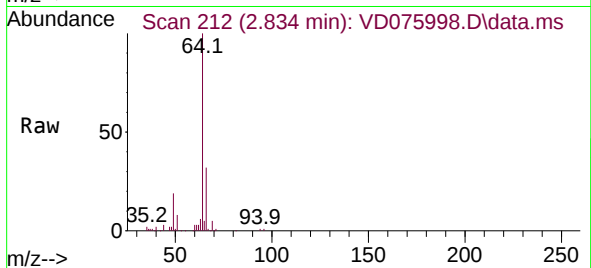
Tgt Ion: 94 Resp: 114432
 Ion Ratio Lower Upper
 94 100
 96 89.5 65.7 121.9



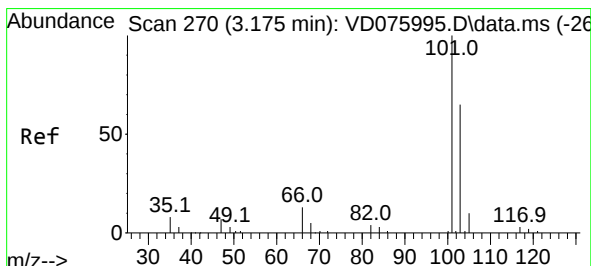
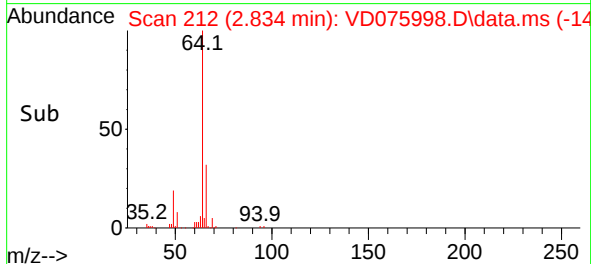
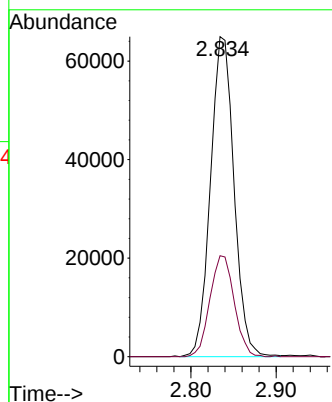


#8
Chloroethane
Concen: 23.611 ug/L
RT: 2.834 min Scan# 212
Delta R.T. -0.000 min
Lab File: VD075998.D
Acq: 04 May 2023 12:08

Instrument :
MSVOA_D
ClientSampleId :

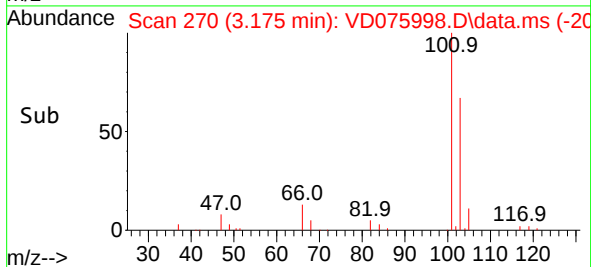
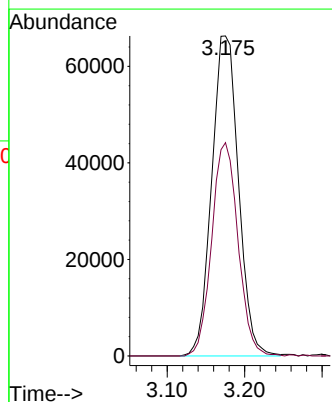
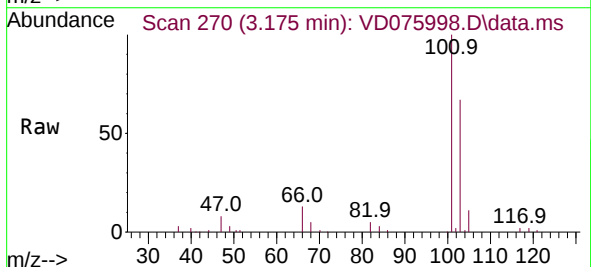


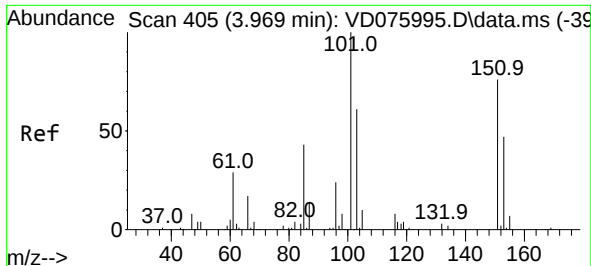
Tgt Ion: 64 Resp: 124659
Ion Ratio Lower Upper
64 100
66 31.6 21.8 40.4



#9
Trichlorofluoromethane
Concen: 24.323 ug/L
RT: 3.175 min Scan# 270
Delta R.T. -0.000 min
Lab File: VD075998.D
Acq: 04 May 2023 12:08

Tgt Ion: 101 Resp: 159540
Ion Ratio Lower Upper
101 100
103 65.3 52.2 78.4

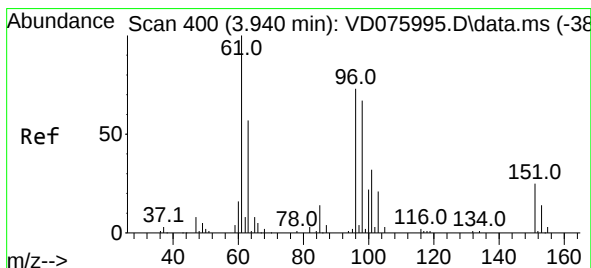
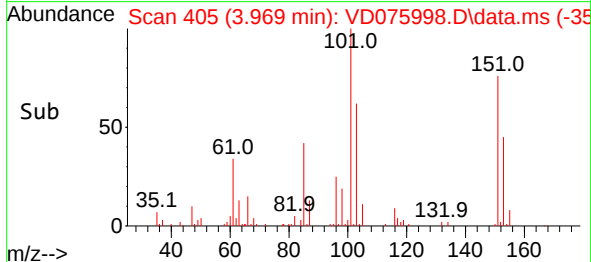
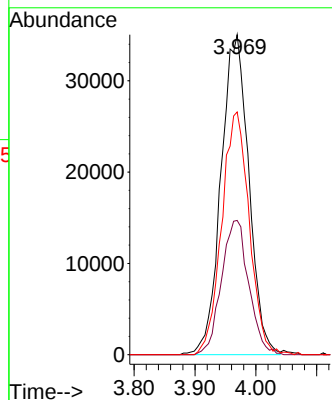
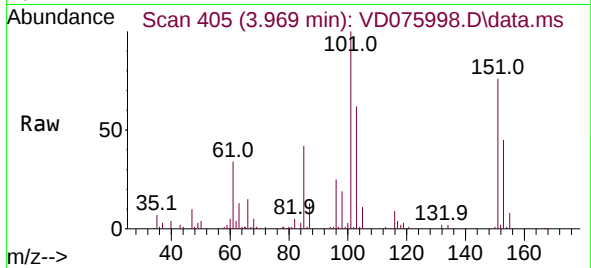




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 25.205 ug/L
 RT: 3.969 min Scan# 405
 Delta R.T. -0.000 min
 Lab File: VD075998.D
 Acq: 04 May 2023 12:08

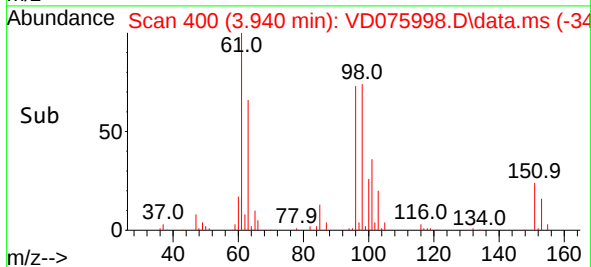
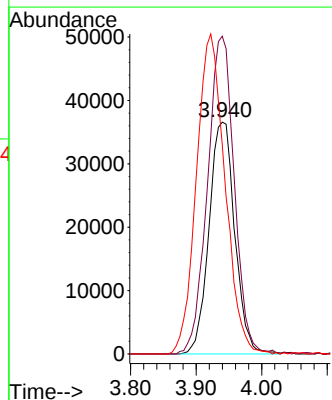
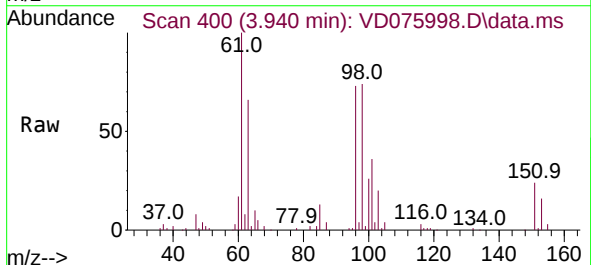
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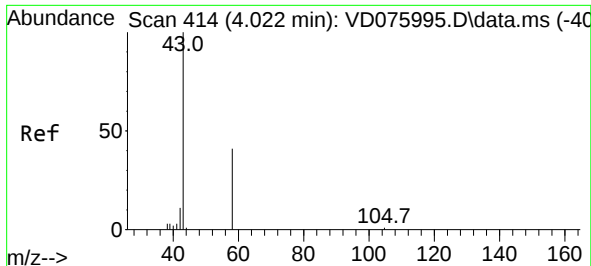
Tgt Ion:101 Resp: 111070
 Ion Ratio Lower Upper
 101 100
 85 41.2 32.9 49.3
 151 75.0 57.2 85.8



#12
 1,1-Dichloroethene
 Concen: 23.317 ug/L
 RT: 3.940 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VD075998.D
 Acq: 04 May 2023 12:08

Tgt Ion: 96 Resp: 99649
 Ion Ratio Lower Upper
 96 100
 61 137.1 92.6 172.0
 63 90.2 77.4 143.8

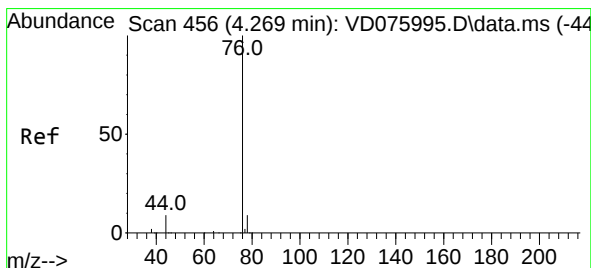
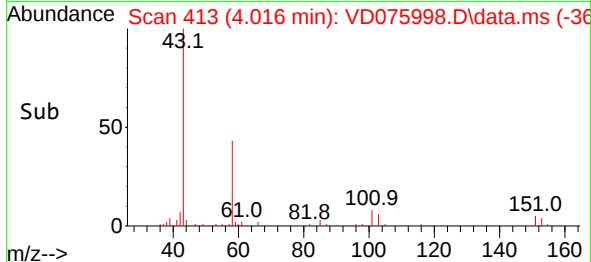
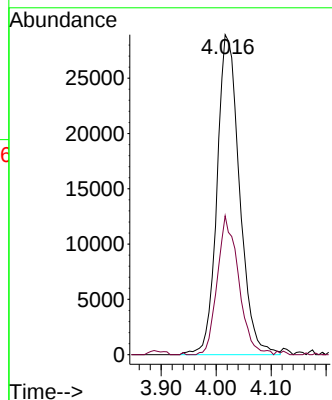
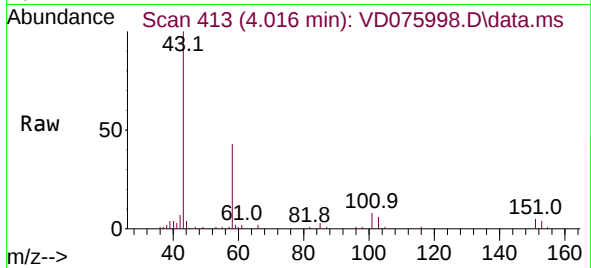




#13
Acetone
Concen: 155.650 ug/L
RT: 4.016 min Scan# 413
Delta R.T. -0.006 min
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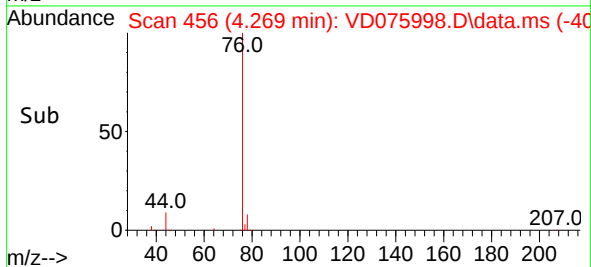
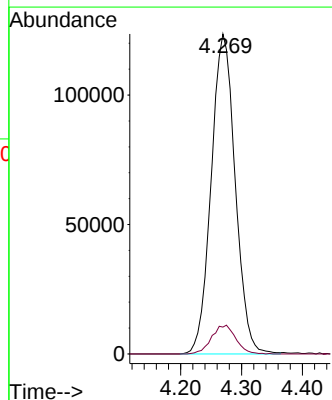
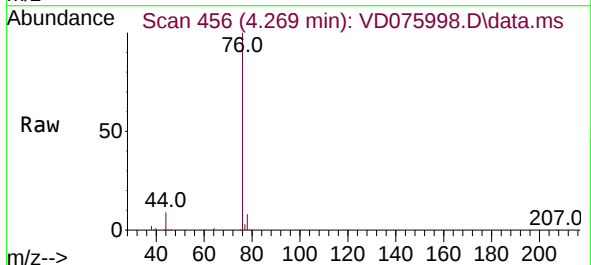
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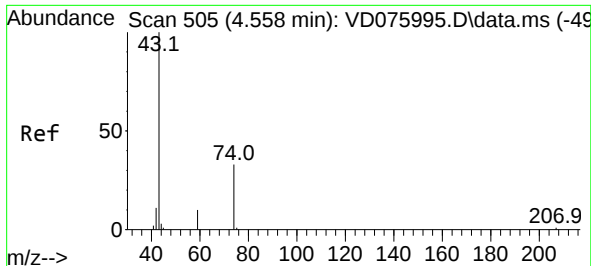
Tgt Ion: 43 Resp: 82451
Ion Ratio Lower Upper
43 100
58 40.7 0.0 87.4



#14
Carbon disulfide
Concen: 22.705 ug/L
RT: 4.269 min Scan# 456
Delta R.T. -0.000 min
Lab File: VD075998.D
Acq: 04 May 2023 12:08

Tgt Ion: 76 Resp: 338916
Ion Ratio Lower Upper
76 100
78 8.4 7.0 10.6

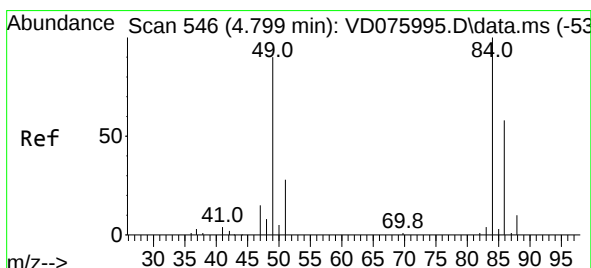
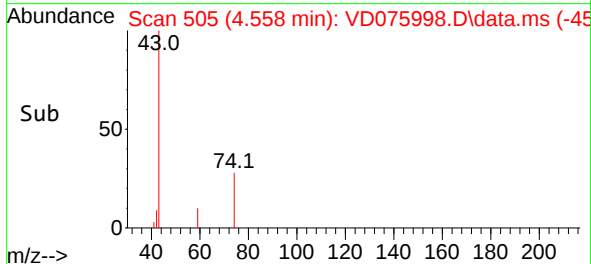
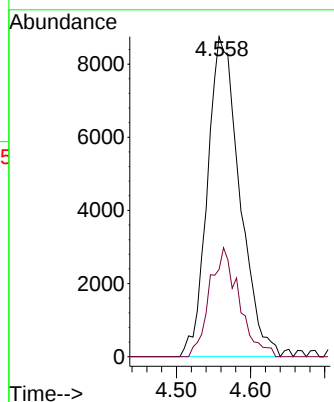
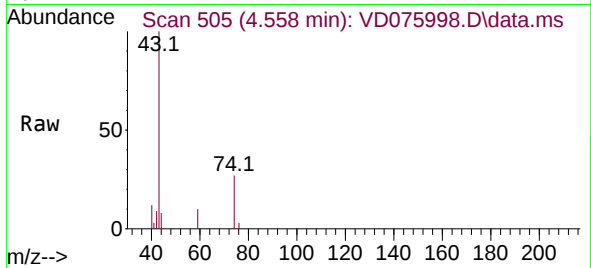




#15
Methyl Acetate
Concen: 23.006 ug/L
RT: 4.558 min Scan# 505
Delta R.T. -0.000 min
Lab File: VD075998.D
Acq: 04 May 2023 12:08

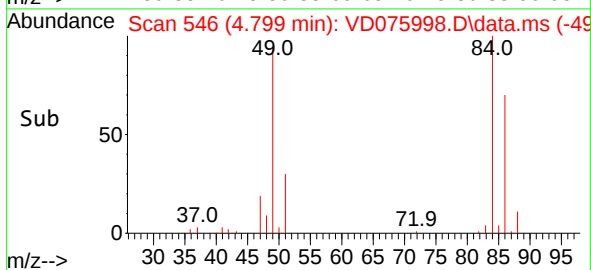
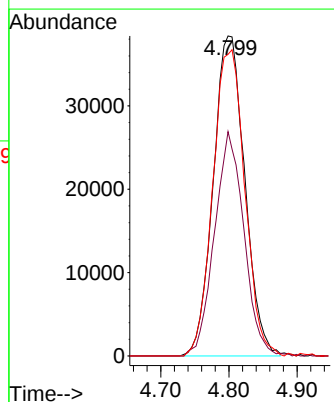
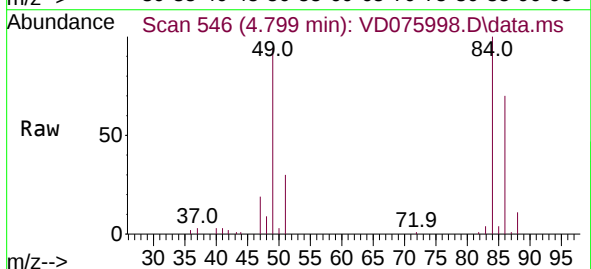
Instrument :
MSVOA_D
ClientSampleId :

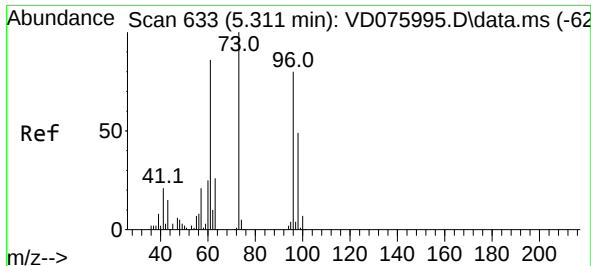
Tgt Ion: 43 Resp: 26411
Ion Ratio Lower Upper
43 100
74 19.1 12.8 19.2



#16
Methylene chloride
Concen: 18.752 ug/L
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD075998.D
Acq: 04 May 2023 12:08

Tgt Ion: 84 Resp: 123641
Ion Ratio Lower Upper
84 100
86 70.1 45.8 85.2
49 94.3 60.8 112.8

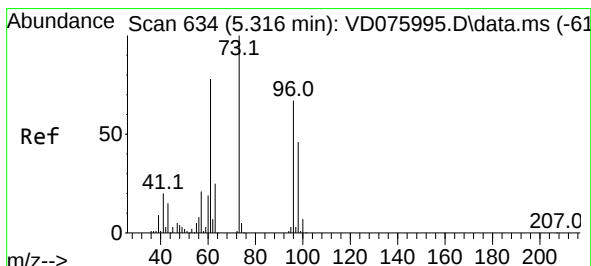
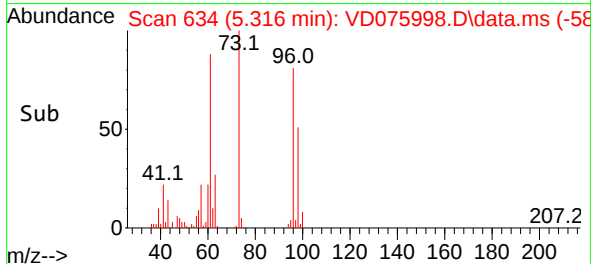
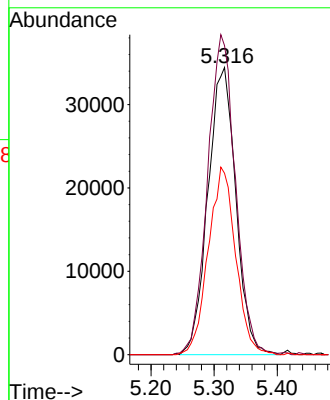
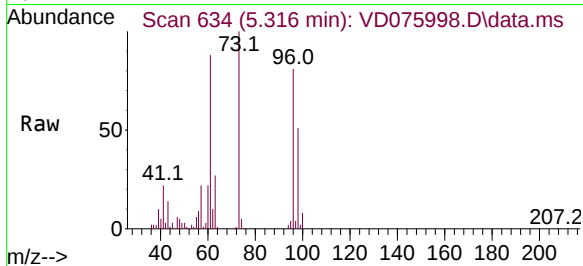




#17
trans-1,2-Dichloroethene
Concen: 22.103 ug/L
RT: 5.316 min Scan# 61
Delta R.T. 0.006 min
Lab File: VD075998.D
Acq: 04 May 2023 12:08

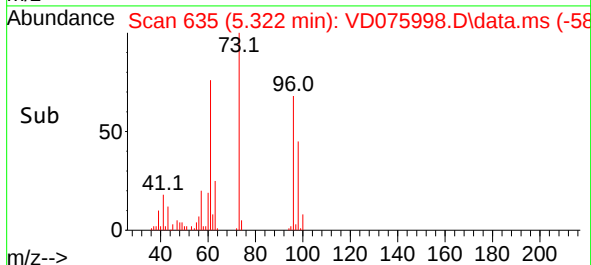
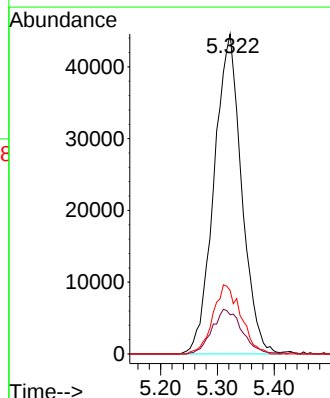
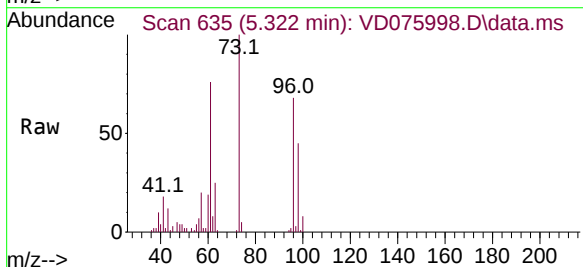
Instrument :
MSVOA_D
ClientSampleId :

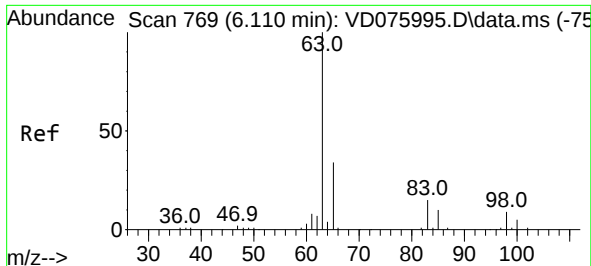
Tgt Ion: 96 Resp: 105916
Ion Ratio Lower Upper
96 100
61 107.6 72.9 135.5
98 63.1 43.0 79.8



#18
Methyl tert-butyl Ether
Concen: 19.548 ug/L
RT: 5.322 min Scan# 635
Delta R.T. 0.006 min
Lab File: VD075998.D
Acq: 04 May 2023 12:08

Tgt Ion: 73 Resp: 150261
Ion Ratio Lower Upper
73 100
43 15.0 11.3 16.9
57 21.9 16.3 24.5





#19

1,1-Dichloroethane

Concen: 24.267 ug/L

RT: 6.110 min Scan# 769

Delta R.T. -0.000 min

Lab File: VD075998.D

Acq: 04 May 2023 12:08

Instrument :

MSVOA_D

ClientSampleId :

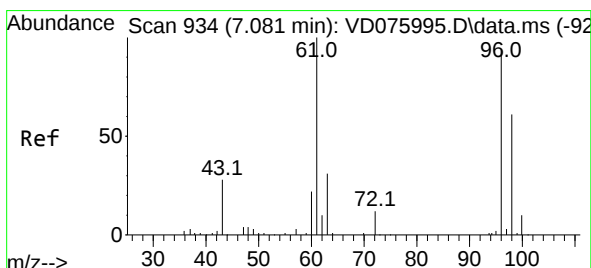
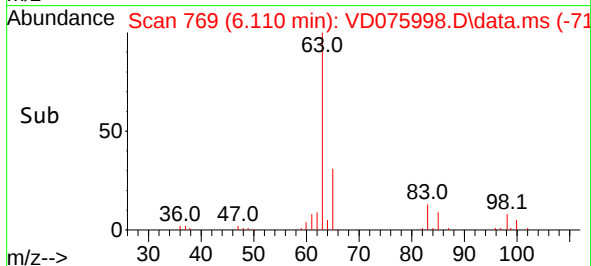
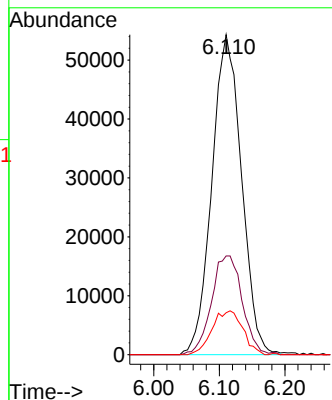
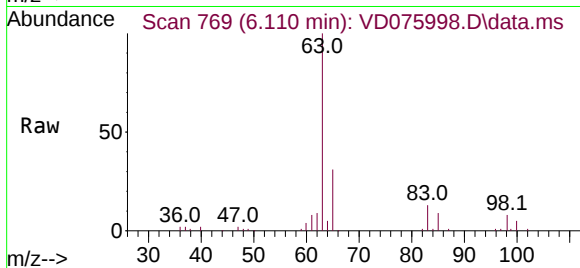
Tgt Ion: 63 Resp: 170357

Ion Ratio Lower Upper

63 100

65 30.8 22.8 42.4

83 13.1 11.2 20.8



#20

cis-1,2-Dichloroethene

Concen: 21.834 ug/L

RT: 7.081 min Scan# 934

Delta R.T. -0.000 min

Lab File: VD075998.D

Acq: 04 May 2023 12:08

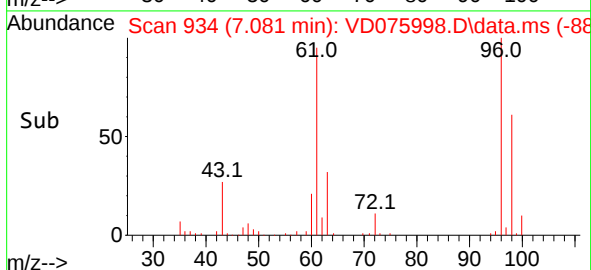
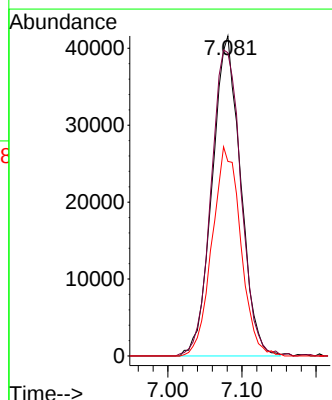
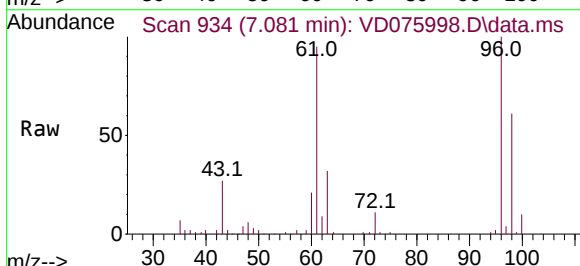
Tgt Ion: 96 Resp: 110634

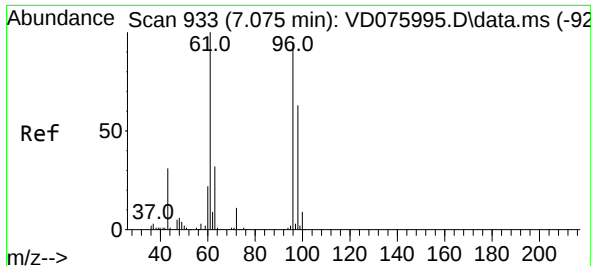
Ion Ratio Lower Upper

96 100

61 94.8 67.5 125.3

98 60.8 47.5 88.1

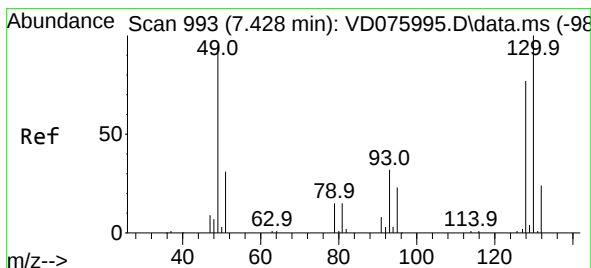
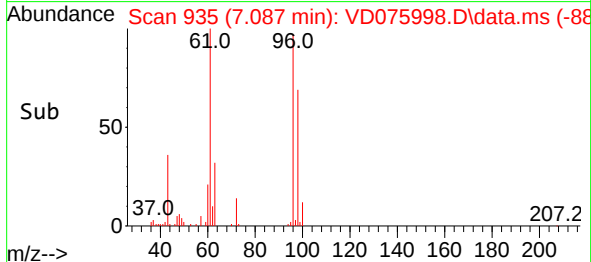
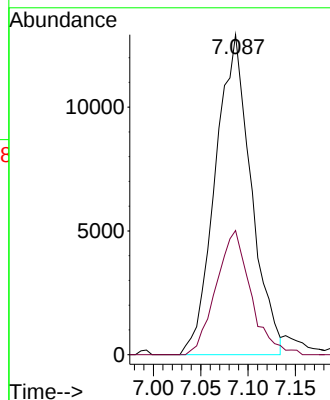
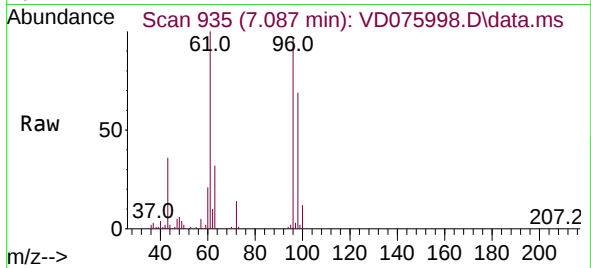




#22
2-Butanone
Concen: 49.192 ug/L
RT: 7.087 min Scan# 91
Delta R.T. 0.012 min
Lab File: VD075998.D
Acq: 04 May 2023 12:08

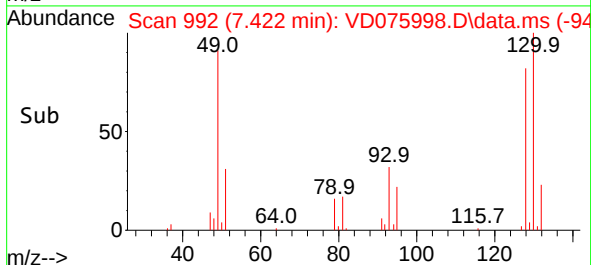
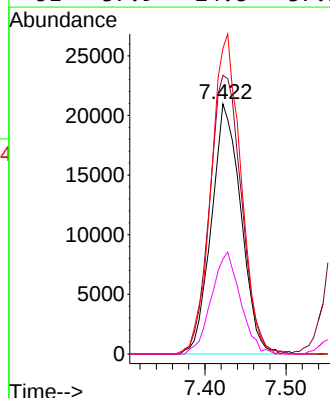
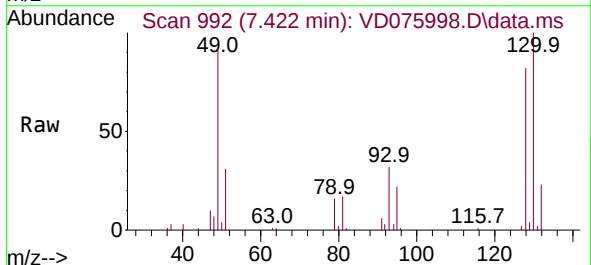
Instrument :
MSVOA_D
ClientSampleId :

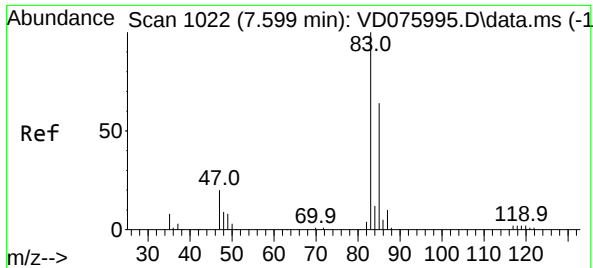
Tgt Ion: 43 Resp: 33971
Ion Ratio Lower Upper
43 100
72 37.2 20.5 61.5



#23
Bromochloromethane
Concen: 22.494 ug/L
RT: 7.422 min Scan# 992
Delta R.T. -0.006 min
Lab File: VD075998.D
Acq: 04 May 2023 12:08

Tgt Ion: 128 Resp: 52860
Ion Ratio Lower Upper
128 100
49 111.3 76.4 142.0
130 122.2 93.5 173.7
51 37.9 24.8 37.2#





#25

Chloroform

Concen: 23.365 ug/L

RT: 7.593 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VD075998.D

Acq: 04 May 2023 12:08

Instrument :

MSVOA_D

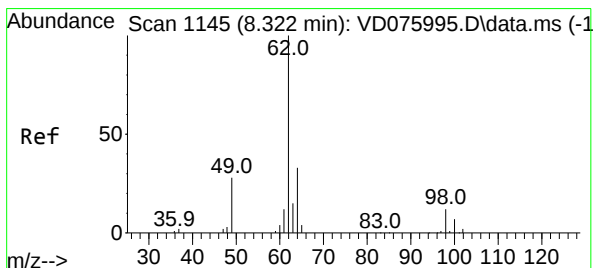
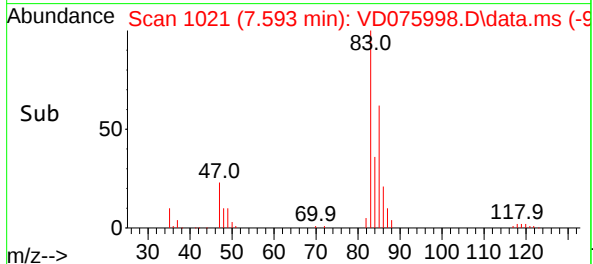
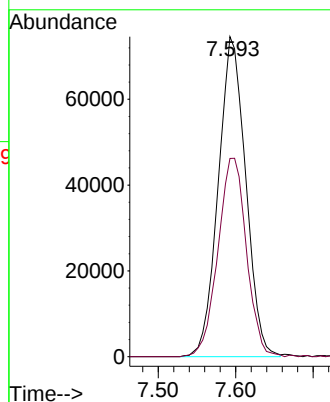
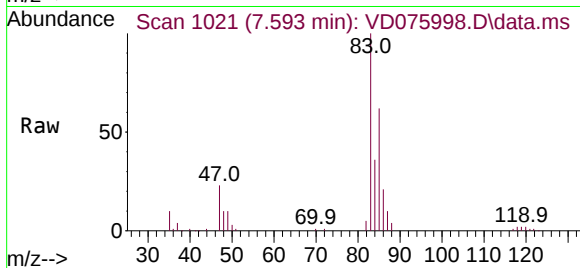
ClientSampleId :

Tgt Ion: 83 Resp: 183826

Ion Ratio Lower Upper

83 100

85 62.0 44.4 82.5



#27

1,2-Dichloroethane

Concen: 22.882 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VD075998.D

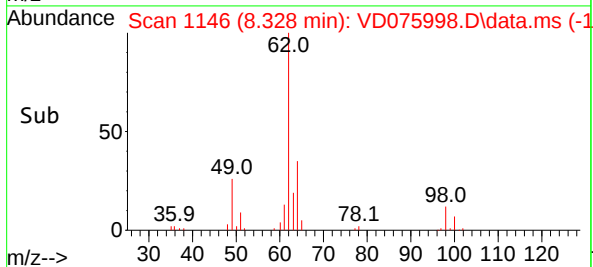
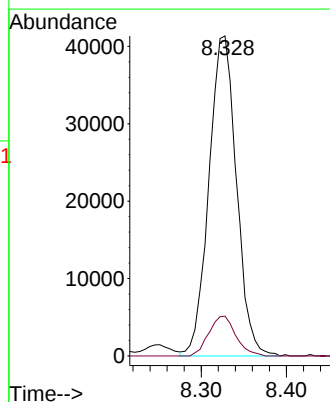
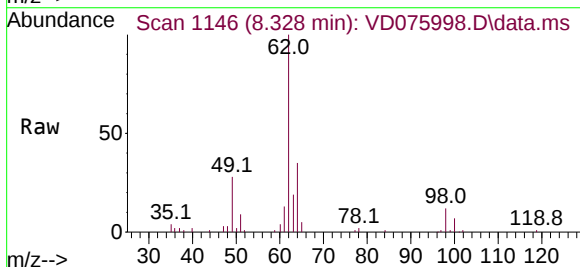
Acq: 04 May 2023 12:08

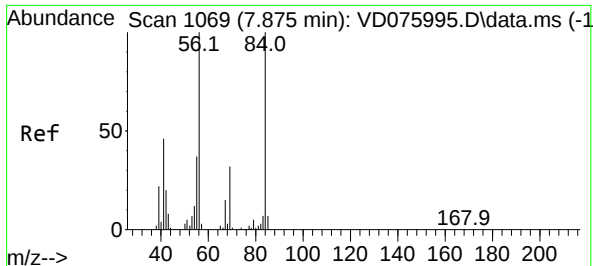
Tgt Ion: 62 Resp: 92926

Ion Ratio Lower Upper

62 100

98 12.4 10.2 15.2





#29

Cyclohexane

Concen: 25.842 ug/L

RT: 7.881 min Scan# 1070

Delta R.T. 0.006 min

Lab File: VD075998.D

Acq: 04 May 2023 12:08

Instrument :

MSVOA_D

ClientSampleId :

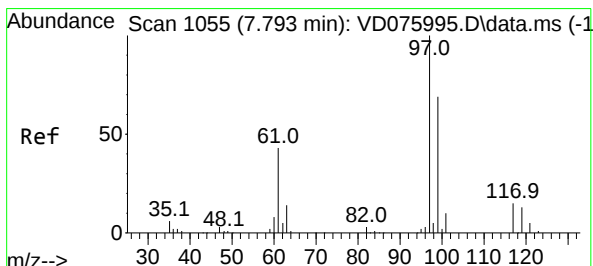
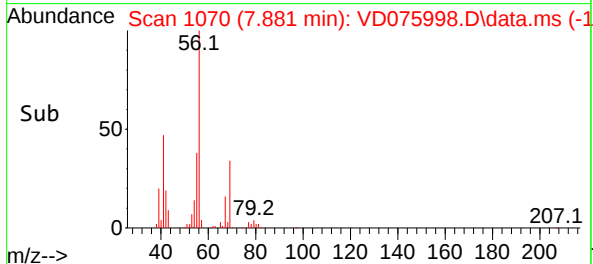
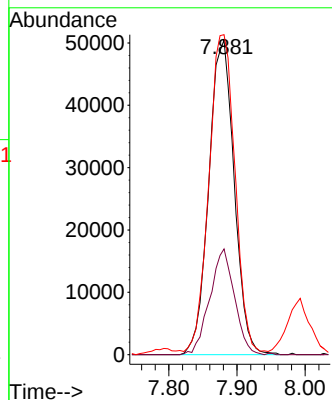
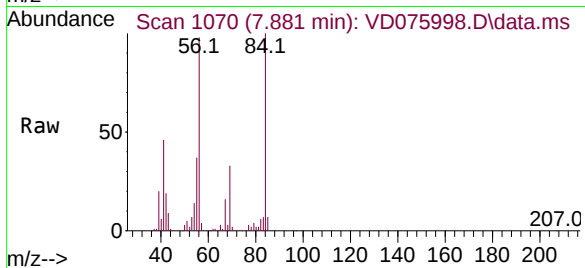
Tgt Ion: 56 Resp: 131032

Ion Ratio Lower Upper

56 100

69 32.3 28.2 42.2

84 104.9 92.4 138.6



#30

1,1,1-Trichloroethane

Concen: 24.063 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VD075998.D

Acq: 04 May 2023 12:08

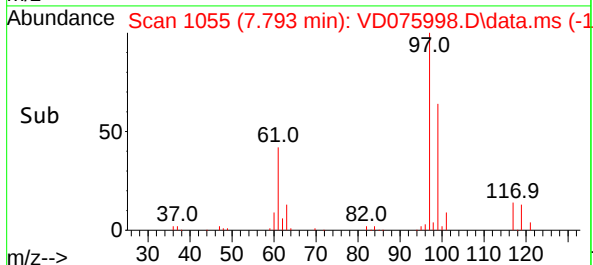
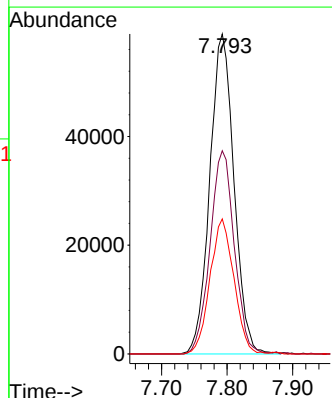
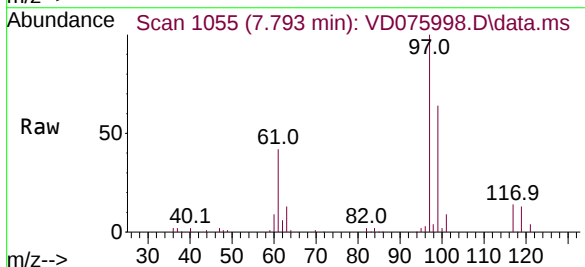
Tgt Ion: 97 Resp: 150793

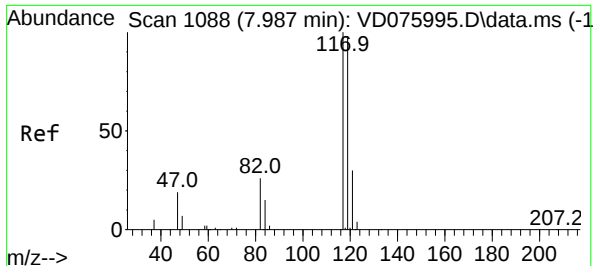
Ion Ratio Lower Upper

97 100

99 63.5 51.5 77.3

61 41.8 32.1 48.1

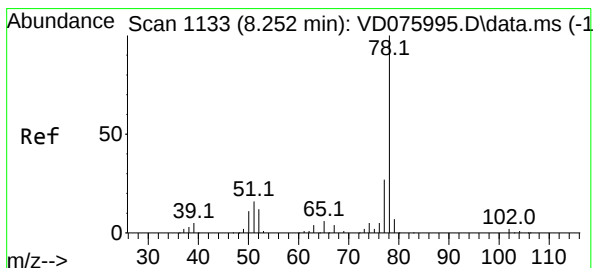
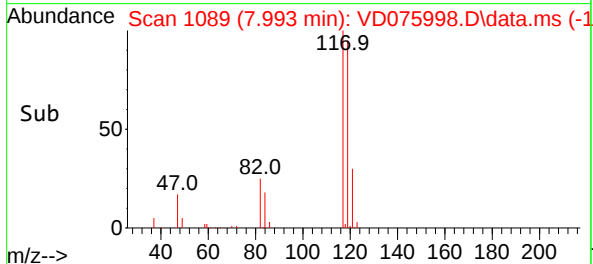
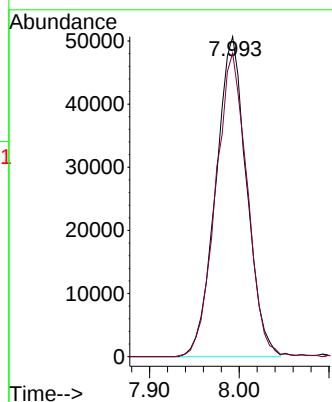
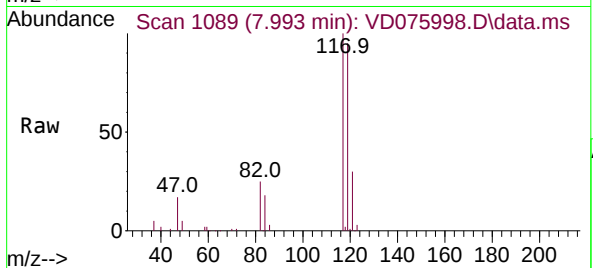




#31
Carbon tetrachloride
Concen: 24.050 ug/L
RT: 7.993 min Scan# 1109
Delta R.T. 0.006 min
Lab File: VD075998.D
Acq: 04 May 2023 12:08

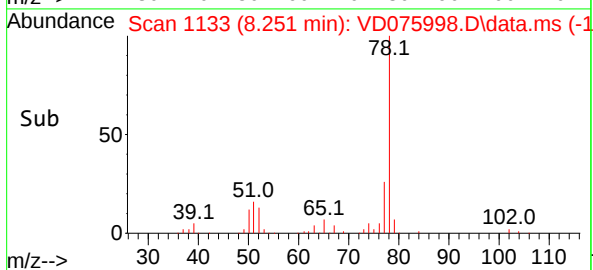
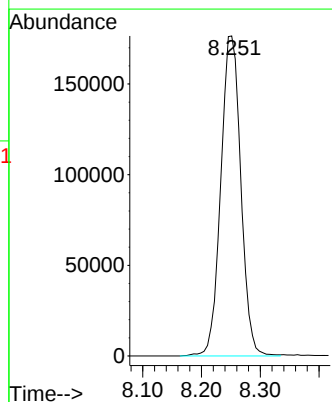
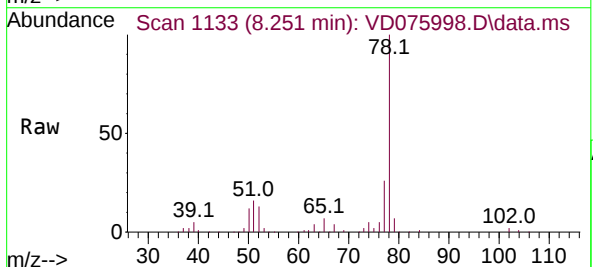
Instrument :
MSVOA_D
ClientSampleId :

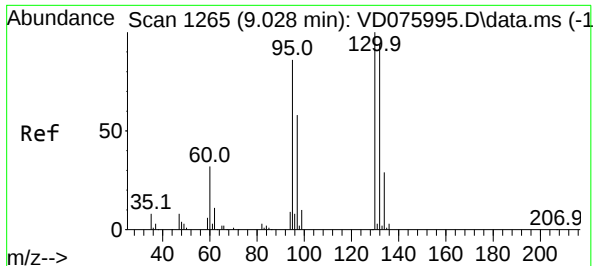
Tgt Ion:117 Resp: 120917
Ion Ratio Lower Upper
117 100
119 96.7 78.2 117.4



#33
Benzene
Concen: 23.337 ug/L
RT: 8.251 min Scan# 1133
Delta R.T. -0.000 min
Lab File: VD075998.D
Acq: 04 May 2023 12:08

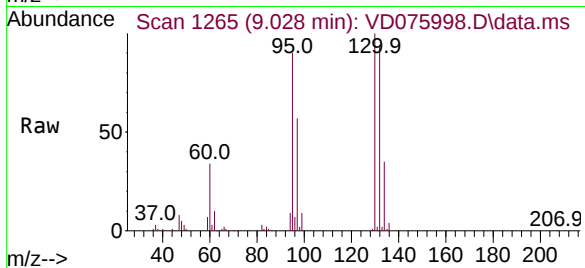
Tgt Ion: 78 Resp: 418107



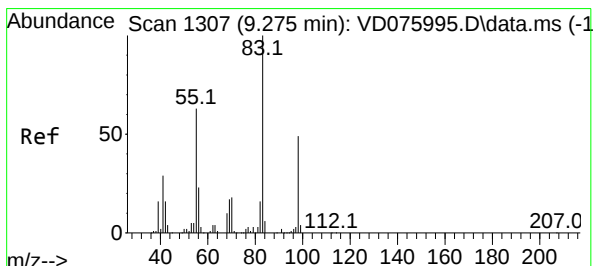
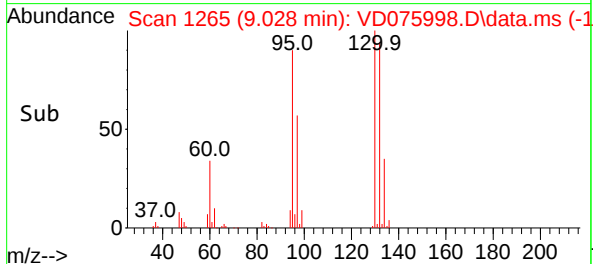
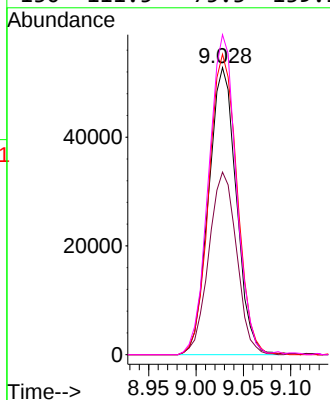


#34
Trichloroethene
Concen: 23.153 ug/L
RT: 9.028 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075998.D
Acq: 04 May 2023 12:08

Instrument :
MSVOA_D
ClientSampleId :

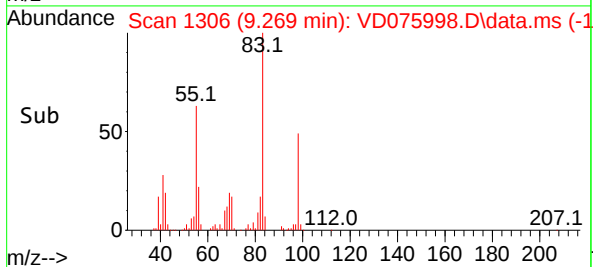
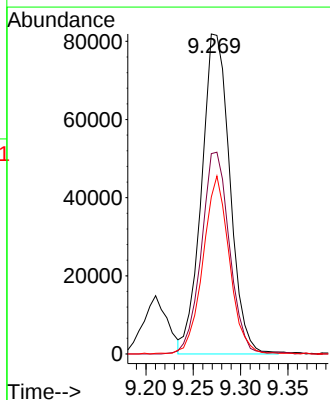
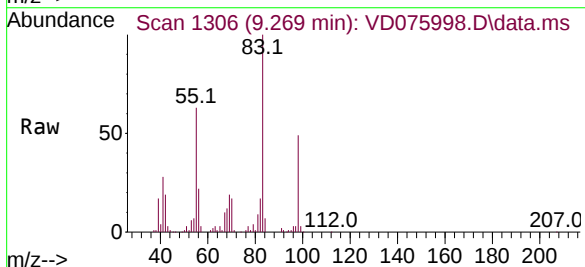


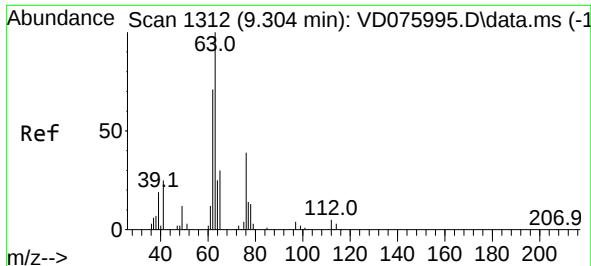
Tgt Ion: 95 Resp: 107272
Ion Ratio Lower Upper
95 100
97 63.6 46.0 85.4
132 104.7 73.3 136.1
130 111.5 75.3 139.9



#35
Methylcyclohexane
Concen: 23.827 ug/L
RT: 9.269 min Scan# 1306
Delta R.T. -0.006 min
Lab File: VD075998.D
Acq: 04 May 2023 12:08

Tgt Ion: 83 Resp: 170201
Ion Ratio Lower Upper
83 100
55 62.4 48.2 72.2
98 51.7 40.8 61.2





#37

1,2-Dichloropropane

Concen: 24.630 ug/L

RT: 9.304 min Scan# 1312

Delta R.T. -0.000 min

Lab File: VD075998.D

Acq: 04 May 2023 12:08

Instrument :

MSVOA_D

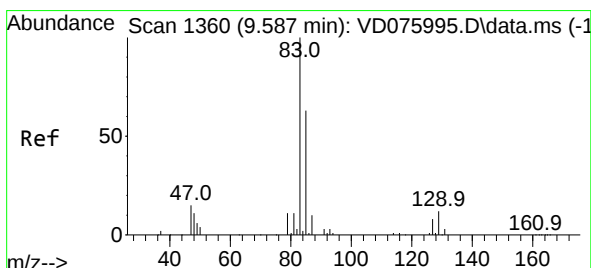
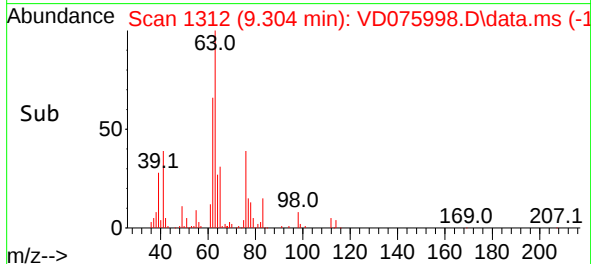
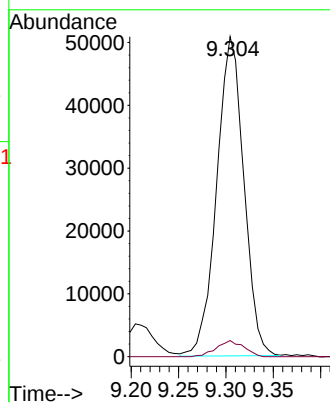
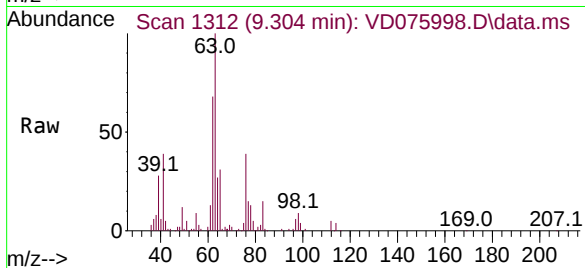
ClientSampleId :

Tgt Ion: 63 Resp: 101365

Ion Ratio Lower Upper

63 100

112 5.1 4.0 6.0



#38

Bromodichloromethane

Concen: 22.736 ug/L

RT: 9.587 min Scan# 1360

Delta R.T. -0.000 min

Lab File: VD075998.D

Acq: 04 May 2023 12:08

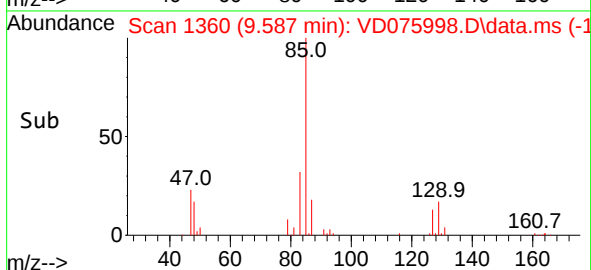
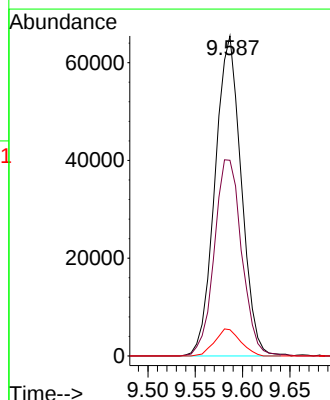
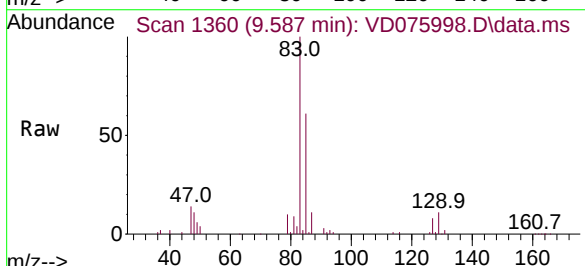
Tgt Ion: 83 Resp: 126165

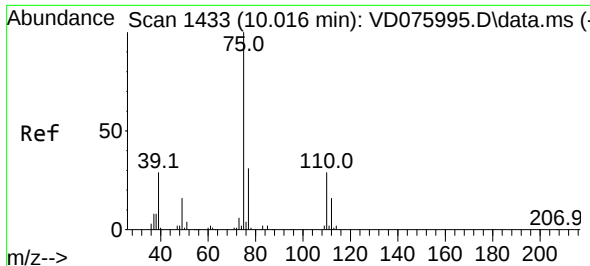
Ion Ratio Lower Upper

83 100

85 61.2 44.2 82.2

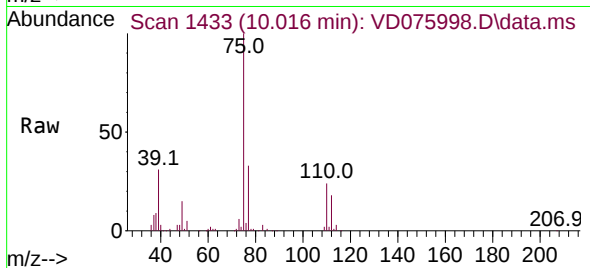
127 8.2 6.3 9.5



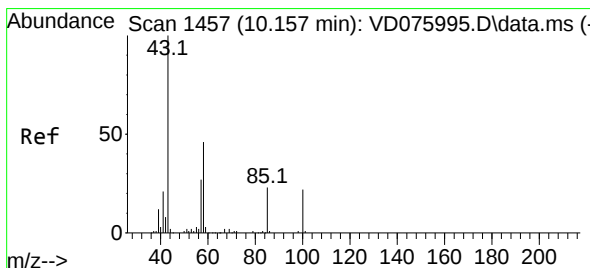
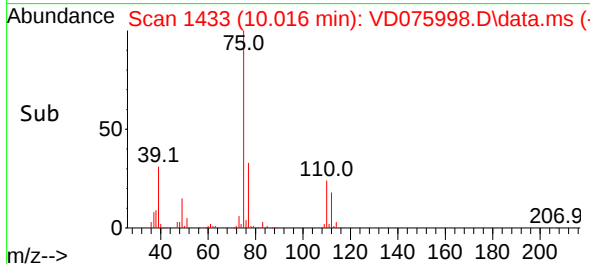
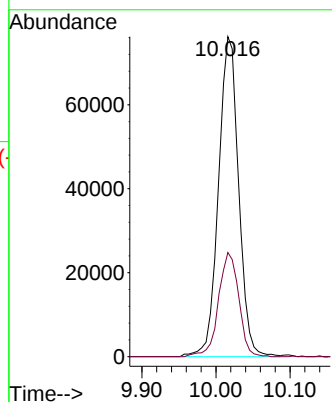


#39
cis-1,3-Dichloropropene
Concen: 22.001 ug/L
RT: 10.016 min Scan# 1433
Delta R.T. -0.000 min
Lab File: VD075998.D
Acq: 04 May 2023 12:08

Instrument :
MSVOA_D
ClientSampleId :

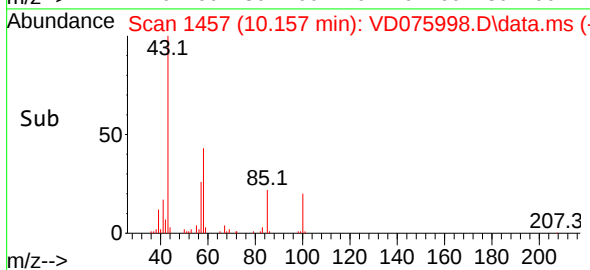
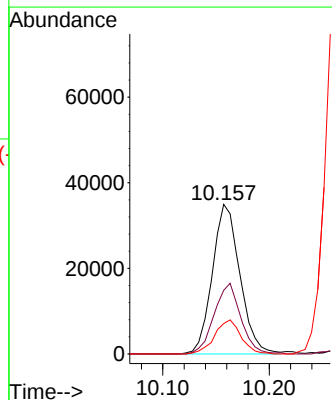
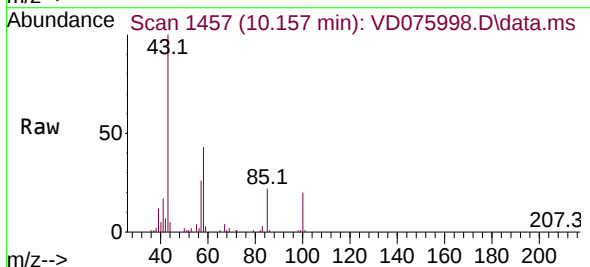


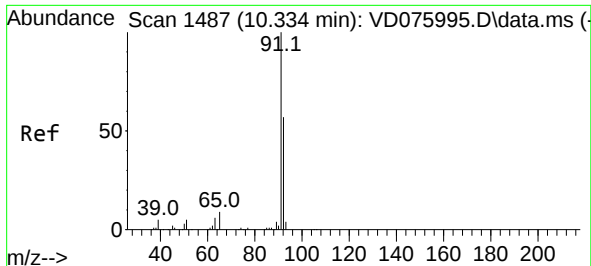
Tgt Ion: 75 Resp: 143996
Ion Ratio Lower Upper
75 100
77 32.6 23.4 43.6



#40
4-Methyl-2-pentanone
Concen: 41.819 ug/L
RT: 10.157 min Scan# 1457
Delta R.T. -0.000 min
Lab File: VD075998.D
Acq: 04 May 2023 12:08

Tgt Ion: 43 Resp: 62748
Ion Ratio Lower Upper
43 100
58 45.6 39.1 58.7
100 21.7 19.4 29.0





#42

Toluene

Concen: 24.170 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. -0.000 min

Lab File: VD075998.D

Acq: 04 May 2023 12:08

Instrument :

MSVOA_D

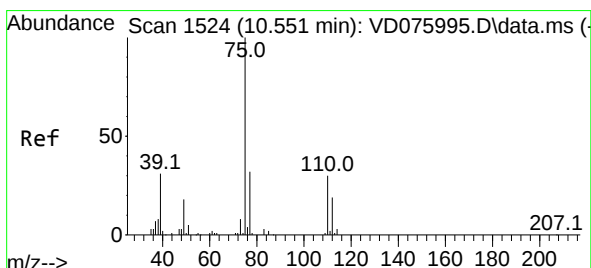
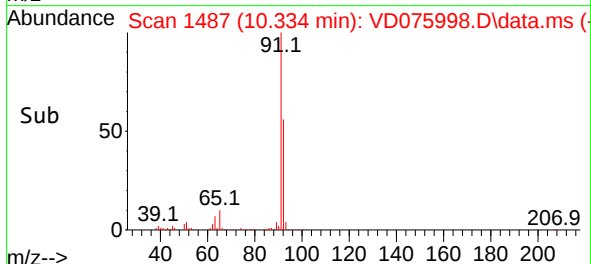
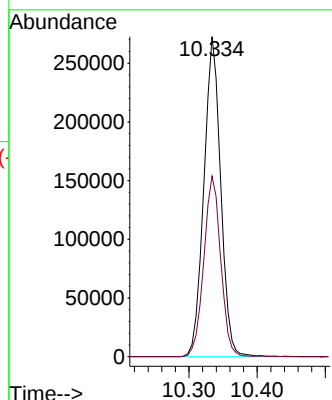
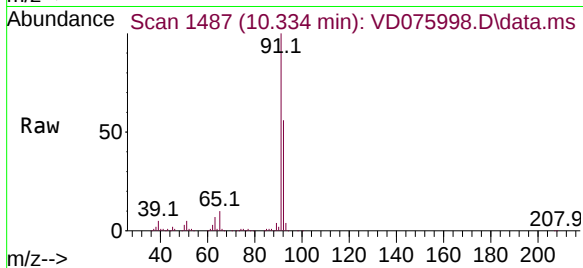
ClientSampleId :

Tgt Ion: 91 Resp: 468606

Ion Ratio Lower Upper

91 100

92 56.4 39.3 72.9



#44

trans-1,3-Dichloropropene

Concen: 22.086 ug/L

RT: 10.551 min Scan# 1524

Delta R.T. -0.000 min

Lab File: VD075998.D

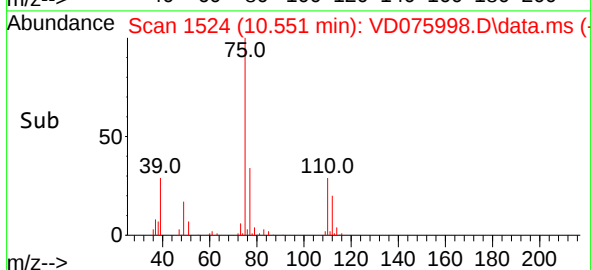
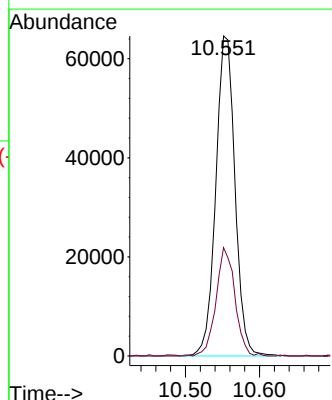
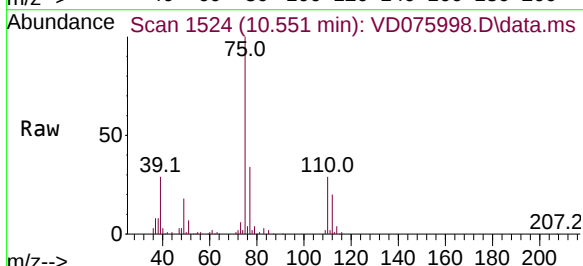
Acq: 04 May 2023 12:08

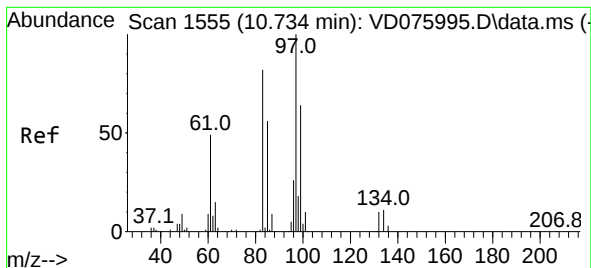
Tgt Ion: 75 Resp: 116123

Ion Ratio Lower Upper

75 100

77 33.9 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 22.176 ug/L

RT: 10.734 min Scan# 1555

Delta R.T. -0.000 min

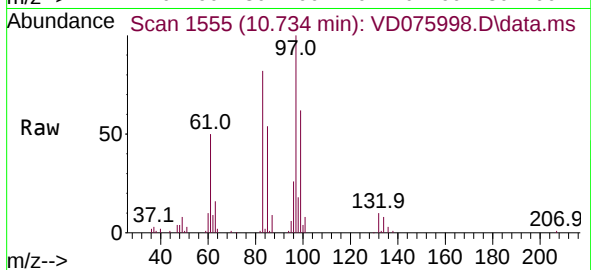
Lab File: VD075998.D

Acq: 04 May 2023 12:08

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 97 Resp: 77643

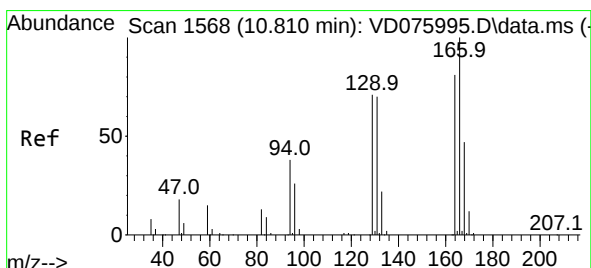
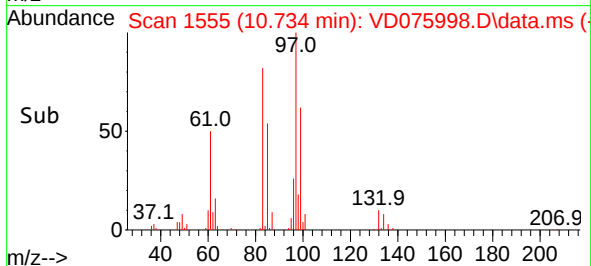
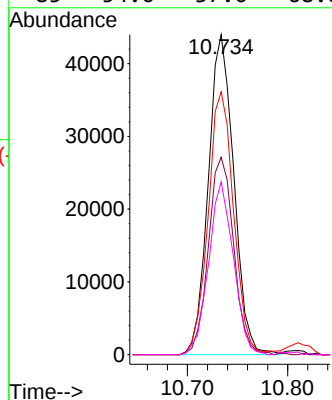
Ion Ratio Lower Upper

97 100

99 61.7 42.2 78.4

83 82.1 54.8 101.8

85 54.0 37.0 68.8



#46

Tetrachloroethene

Concen: 28.049 ug/L

RT: 10.810 min Scan# 1568

Delta R.T. -0.000 min

Lab File: VD075998.D

Acq: 04 May 2023 12:08

Tgt Ion:164 Resp: 106592

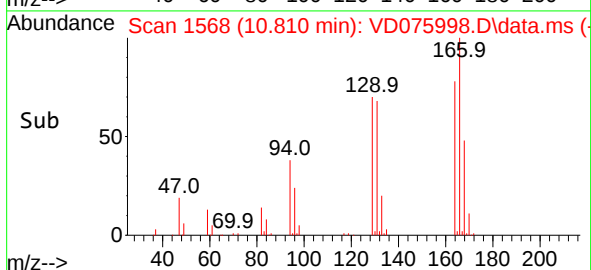
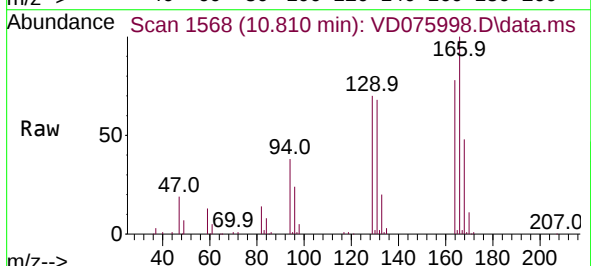
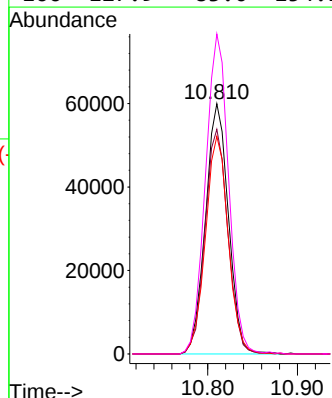
Ion Ratio Lower Upper

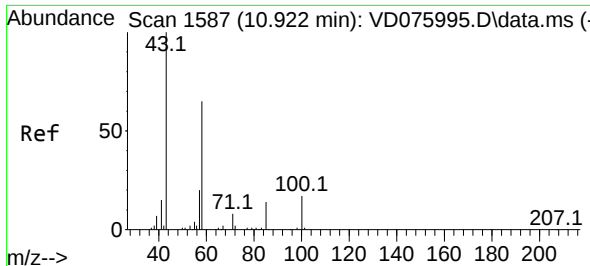
164 100

129 89.8 60.3 112.1

131 86.9 58.9 109.3

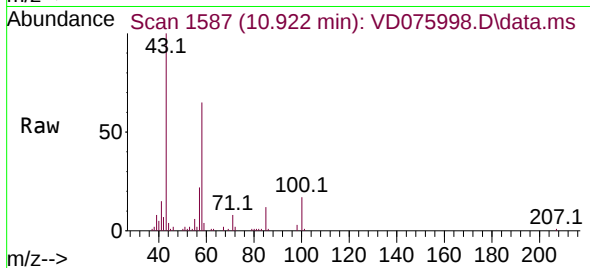
166 127.9 83.0 154.1



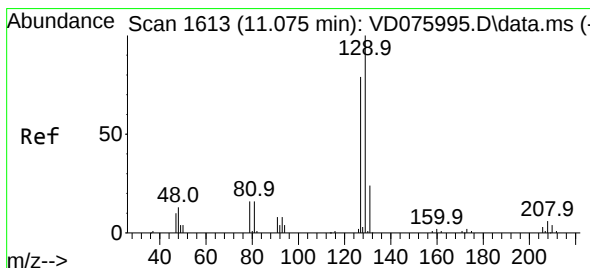
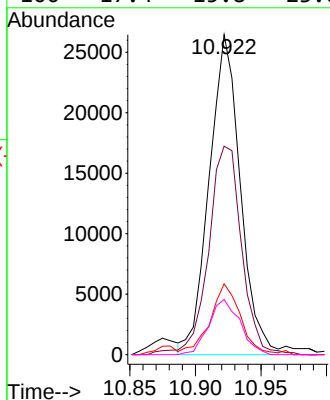
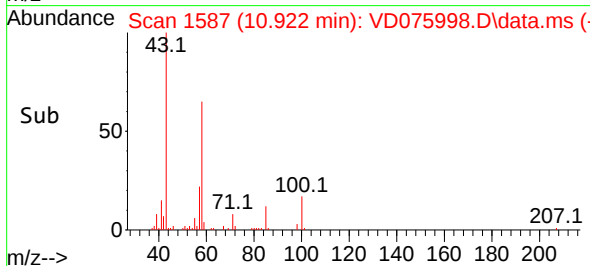


#48
2-Hexanone
Concen: 41.216 ug/L
RT: 10.922 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VD075998.D
Acq: 04 May 2023 12:08

Instrument :
MSVOA_D
ClientSampleId :

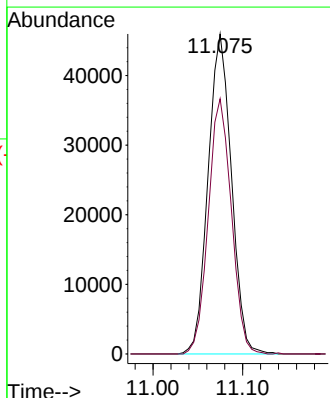
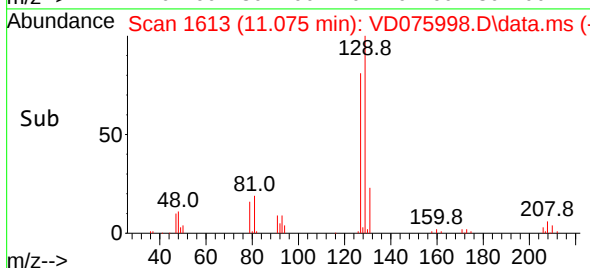
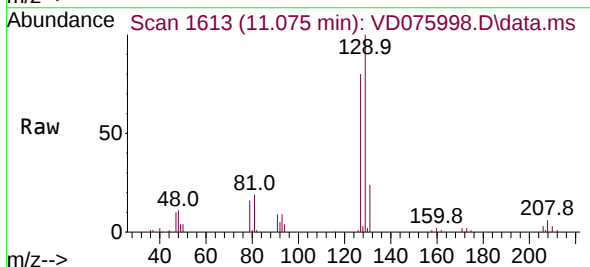


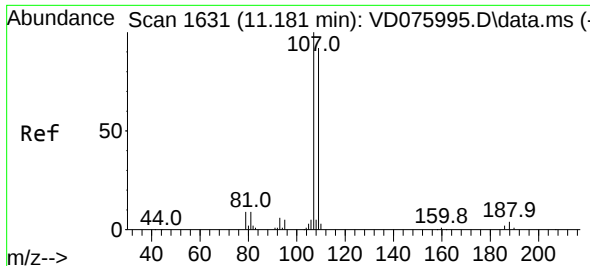
Tgt Ion: 43 Resp: 43599
Ion Ratio Lower Upper
43 100
58 68.7 59.7 89.5
57 21.7 17.9 26.9
100 17.4 15.8 23.6



#49
Dibromochloromethane
Concen: 21.805 ug/L
RT: 11.075 min Scan# 1613
Delta R.T. -0.000 min
Lab File: VD075998.D
Acq: 04 May 2023 12:08

Tgt Ion: 129 Resp: 83112
Ion Ratio Lower Upper
129 100
127 79.8 55.6 103.4

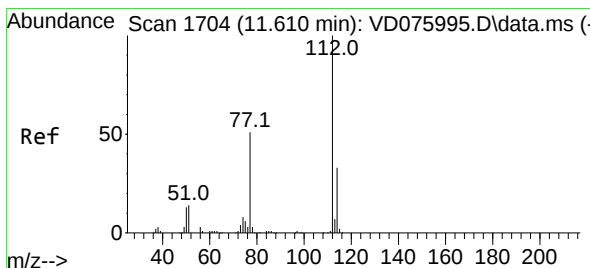
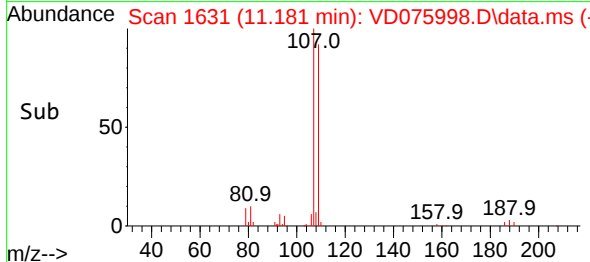
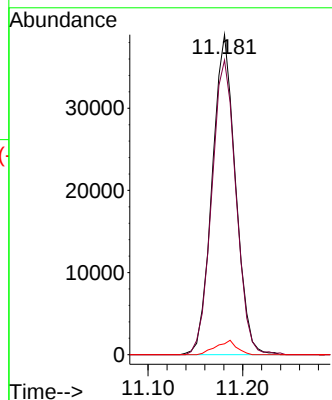
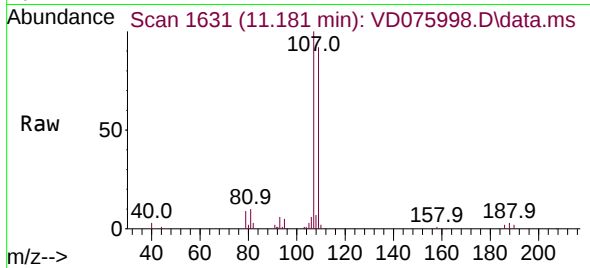




#50
1,2-Dibromoethane
Concen: 21.109 ug/L
RT: 11.181 min Scan# 1631
Delta R.T. -0.000 min
Lab File: VD075998.D
Acq: 04 May 2023 12:08

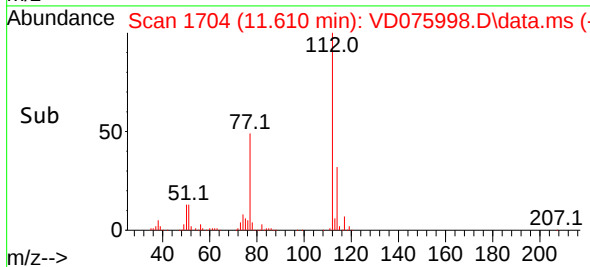
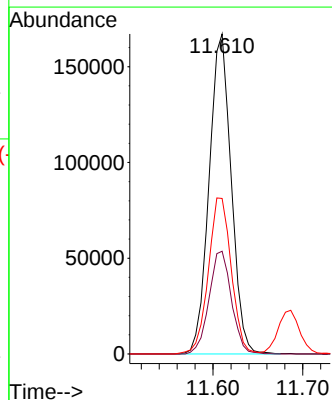
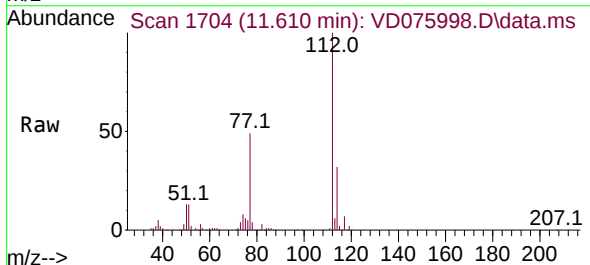
Instrument :
MSVOA_D
ClientSampleId :

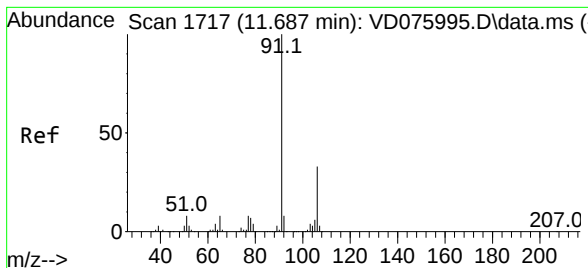
Tgt Ion:107 Resp: 66632
Ion Ratio Lower Upper
107 100
109 92.0 67.6 125.6
188 3.4 3.0 4.6



#51
Chlorobenzene
Concen: 22.518 ug/L
RT: 11.610 min Scan# 1704
Delta R.T. -0.000 min
Lab File: VD075998.D
Acq: 04 May 2023 12:08

Tgt Ion:112 Resp: 285613
Ion Ratio Lower Upper
112 100
114 32.1 23.0 42.8
77 48.6 39.7 59.5





#52

Ethylbenzene

Concen: 23.092 ug/L

RT: 11.687 min Scan# 1717

Delta R.T. -0.000 min

Lab File: VD075998.D

Acq: 04 May 2023 12:08

Instrument :

MSVOA_D

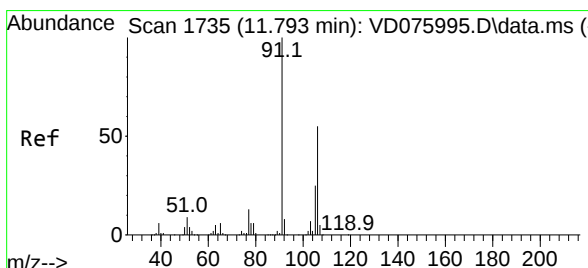
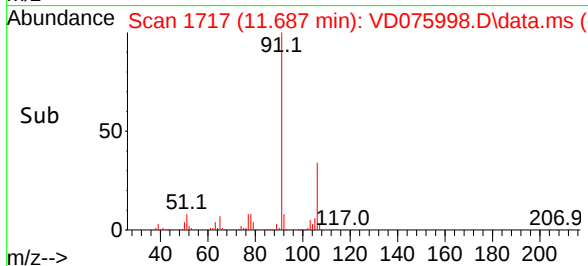
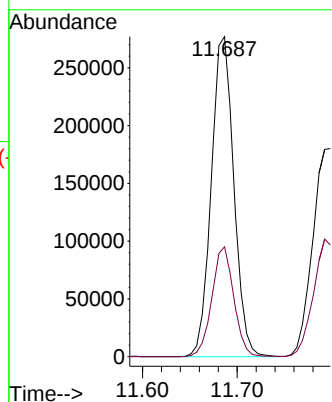
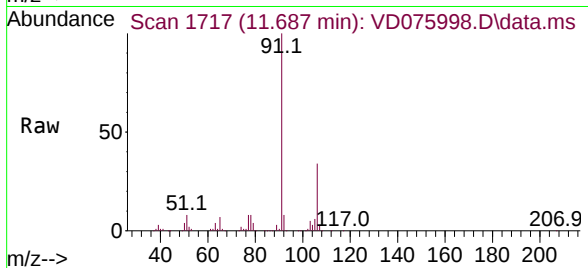
ClientSampleId :

Tgt Ion: 91 Resp: 459094

Ion Ratio Lower Upper

91 100

106 34.4 23.7 43.9



#53

m,p-Xylene

Concen: 23.784 ug/L

RT: 11.792 min Scan# 1735

Delta R.T. -0.000 min

Lab File: VD075998.D

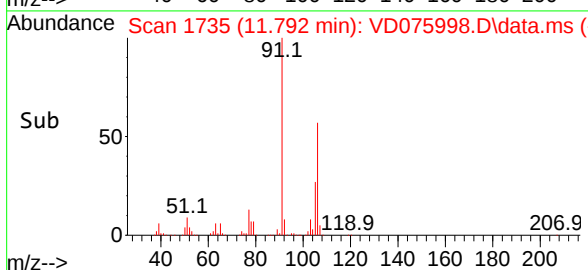
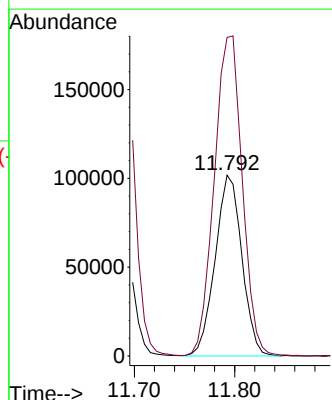
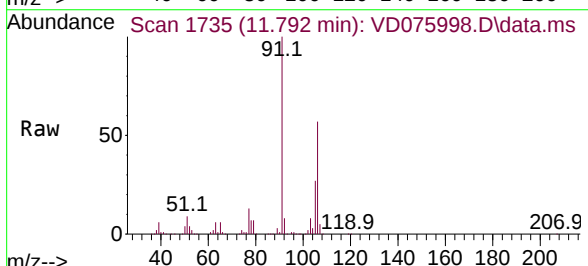
Acq: 04 May 2023 12:08

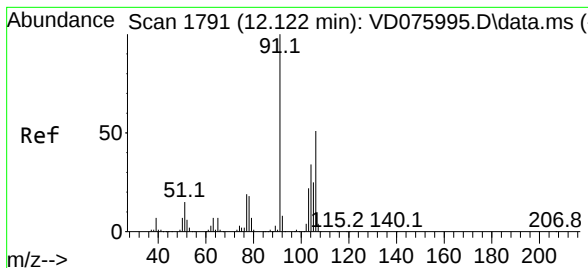
Tgt Ion:106 Resp: 188284

Ion Ratio Lower Upper

106 100

91 176.1 130.9 243.1

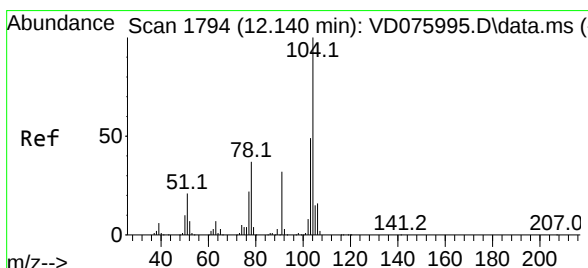
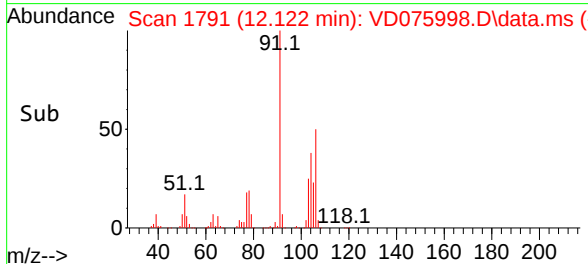
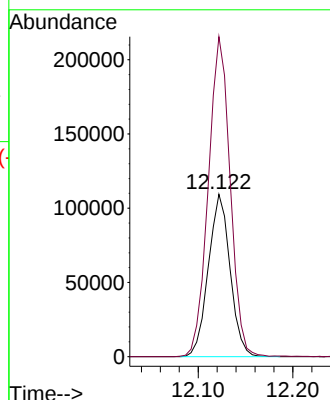
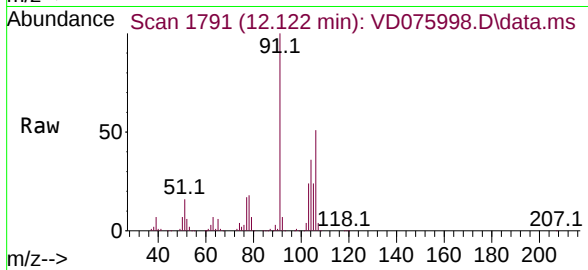




#54
o-Xylene
Concen: 23.167 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD075998.D
Acq: 04 May 2023 12:08

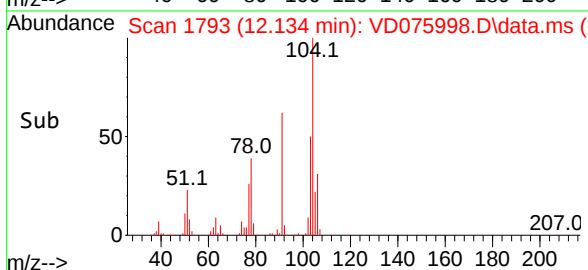
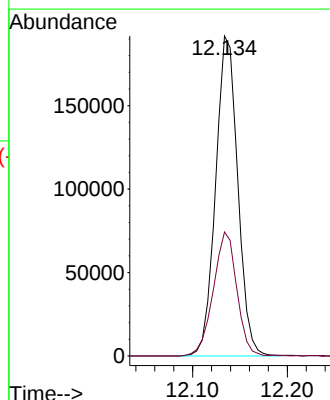
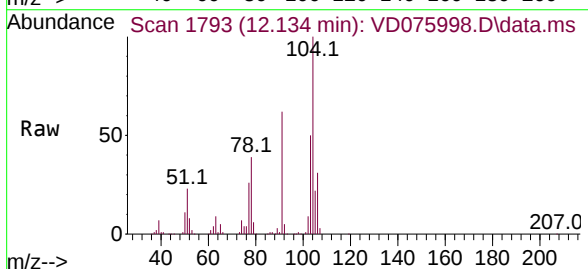
Instrument :
MSVOA_D
ClientSampleId :

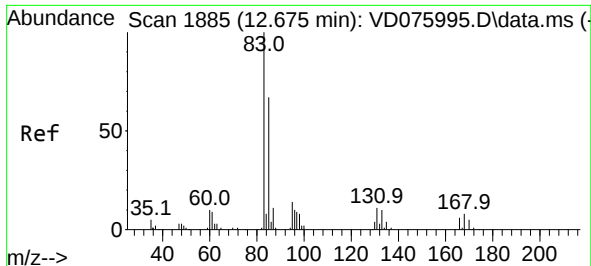
Tgt Ion:106 Resp: 174195
Ion Ratio Lower Upper
106 100
91 197.1 139.8 259.6



#55
Styrene
Concen: 23.823 ug/L
RT: 12.134 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VD075998.D
Acq: 04 May 2023 12:08

Tgt Ion:104 Resp: 311766
Ion Ratio Lower Upper
104 100
78 38.8 26.2 48.6

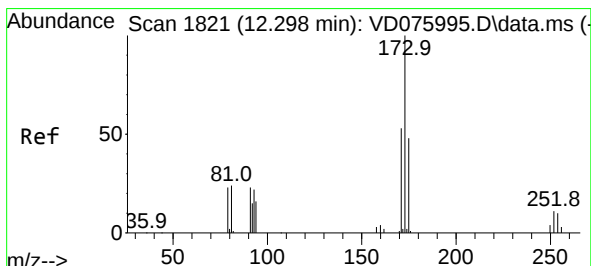
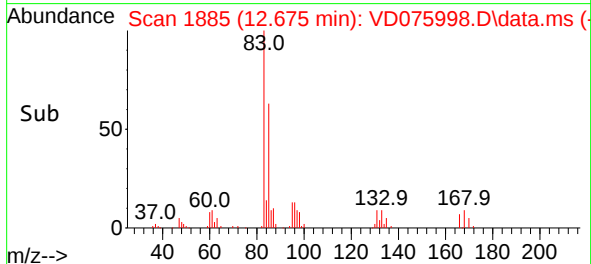
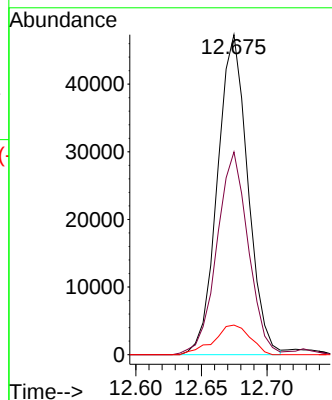
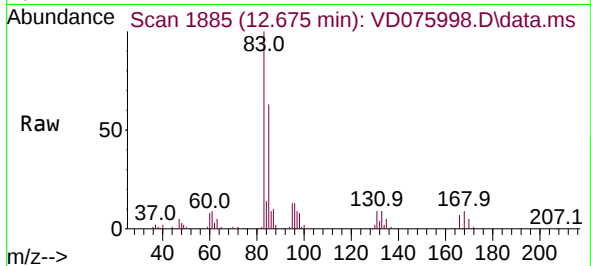




#57
1,1,2,2-Tetrachloroethane
Concen: 21.389 ug/L
RT: 12.675 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VD075998.D
Acq: 04 May 2023 12:08

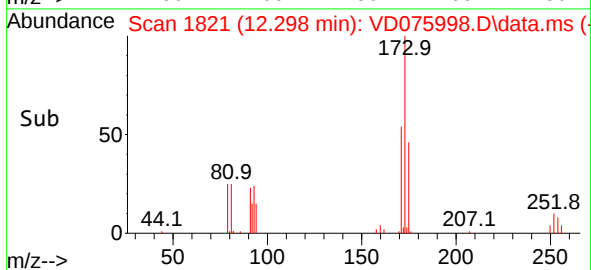
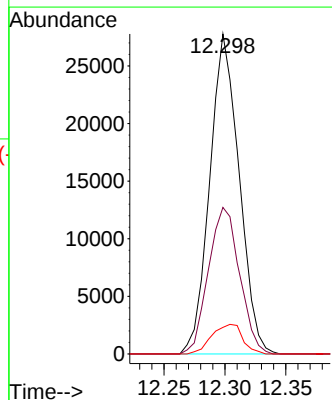
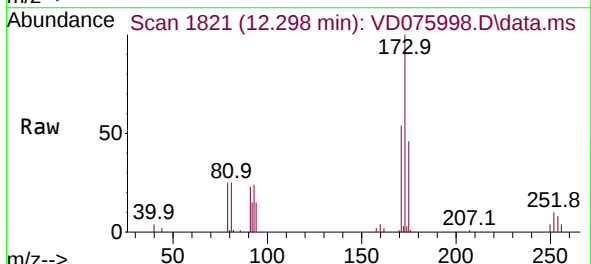
Instrument :
MSVOA_D
ClientSampleId :

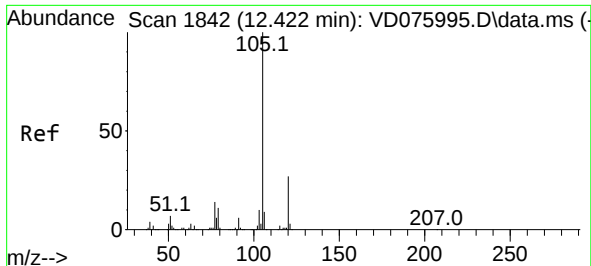
Tgt Ion: 83 Resp: 76197
Ion Ratio Lower Upper
83 100
85 63.3 45.1 83.7
131 9.3 7.0 10.6



#59
Bromoform
Concen: 21.279 ug/L
RT: 12.298 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VD075998.D
Acq: 04 May 2023 12:08

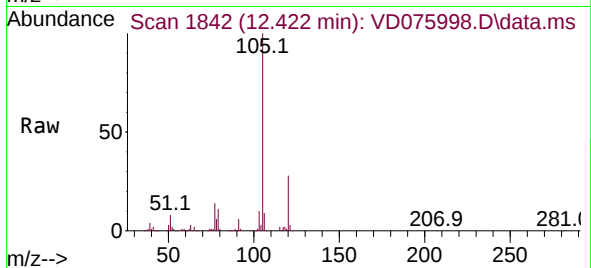
Tgt Ion:173 Resp: 46690
Ion Ratio Lower Upper
173 100
175 48.4 39.4 59.0
254 9.7 7.4 11.2



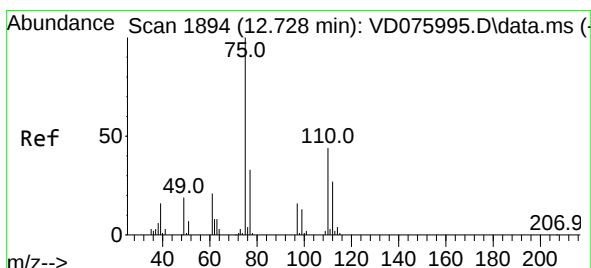
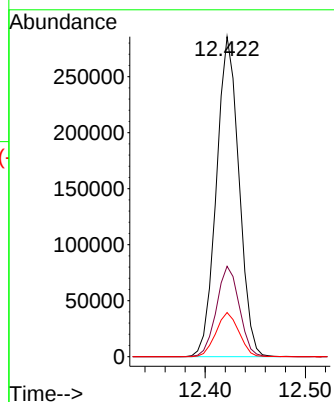
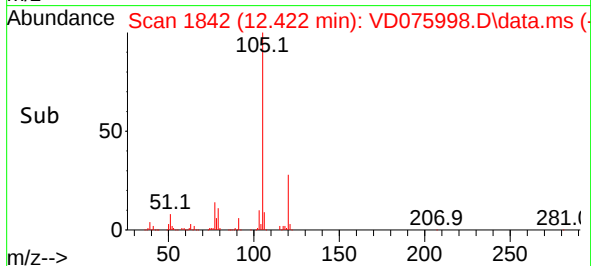


#60
Isopropylbenzene
Concen: 23.536 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VD075998.D
Acq: 04 May 2023 12:08

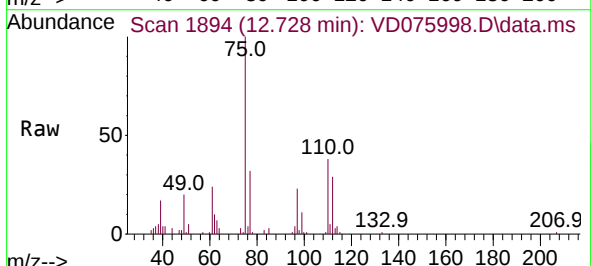
Instrument :
MSVOA_D
ClientSampleId :



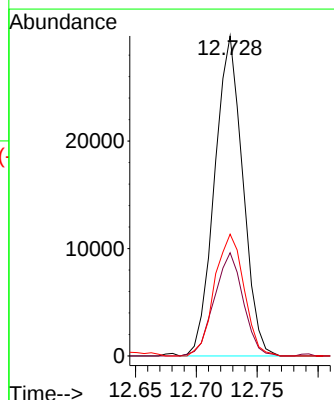
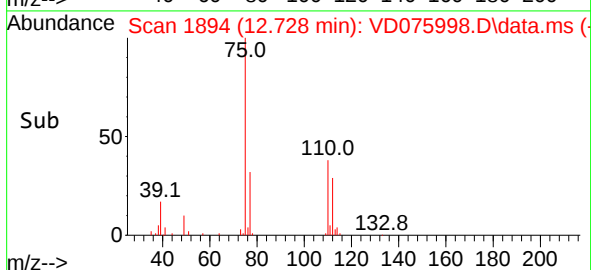
Tgt Ion:105 Resp: 446797
Ion Ratio Lower Upper
105 100
120 28.5 22.7 34.1
77 14.0 10.9 16.3

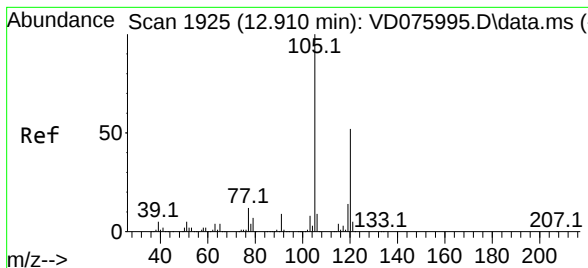


#61
1,2,3-Trichloropropane
Concen: 21.317 ug/L
RT: 12.728 min Scan# 1894
Delta R.T. -0.000 min
Lab File: VD075998.D
Acq: 04 May 2023 12:08



Tgt Ion: 75 Resp: 47942
Ion Ratio Lower Upper
75 100
77 33.0 26.6 39.8
110 39.8 33.5 50.3





#62

1,3,5-Trimethylbenzene

Concen: 23.096 ug/L

RT: 12.904 min Scan# 1924

Delta R.T. -0.006 min

Lab File: VD075998.D

Acq: 04 May 2023 12:08

Instrument :

MSVOA_D

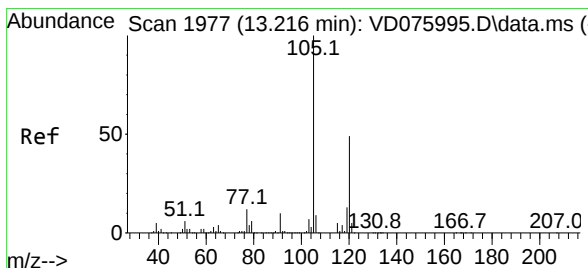
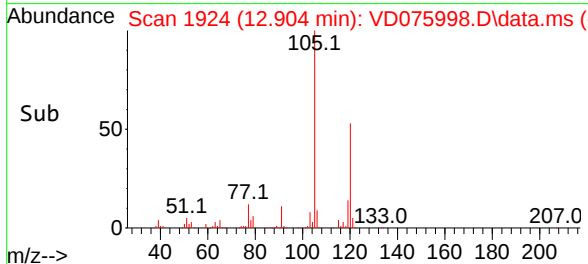
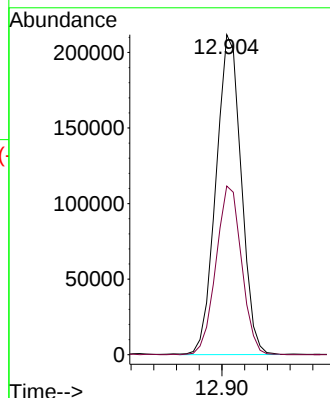
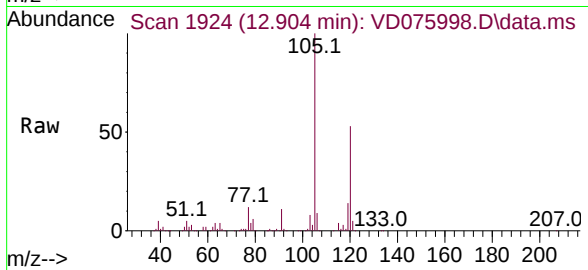
ClientSampleId :

Tgt Ion:105 Resp: 326939

Ion Ratio Lower Upper

105 100

120 53.4 42.0 63.0



#63

1,2,4-Trimethylbenzene

Concen: 23.250 ug/L

RT: 13.216 min Scan# 1977

Delta R.T. -0.000 min

Lab File: VD075998.D

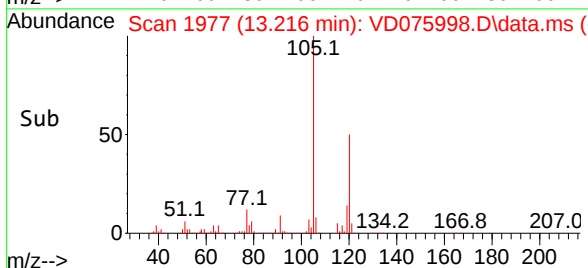
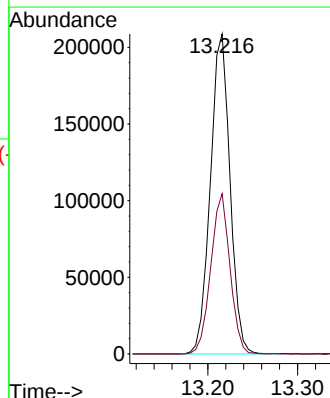
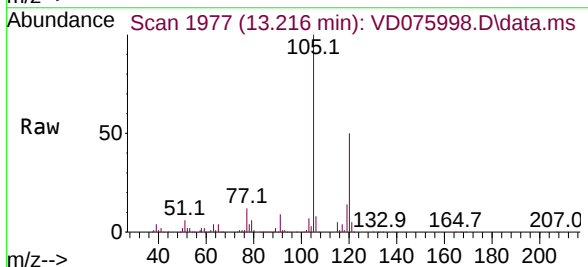
Acq: 04 May 2023 12:08

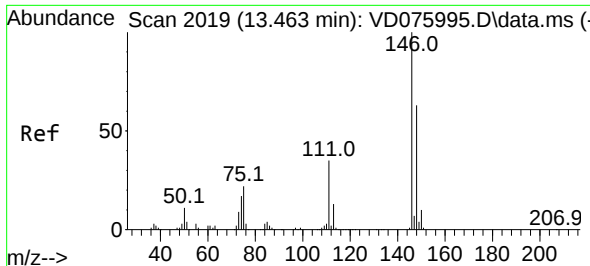
Tgt Ion:105 Resp: 317255

Ion Ratio Lower Upper

105 100

120 48.9 39.0 58.6

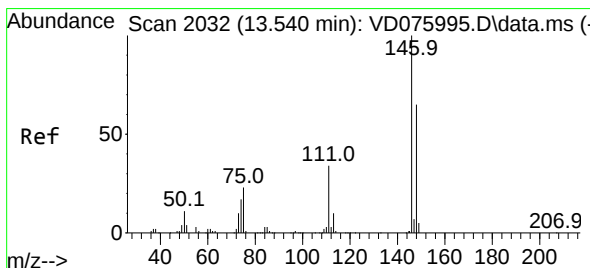
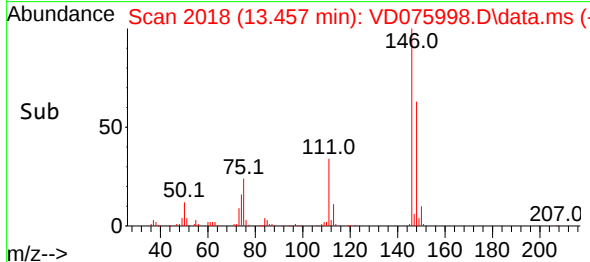
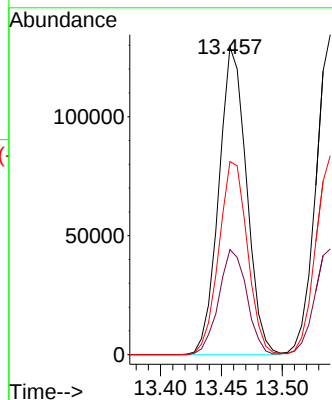
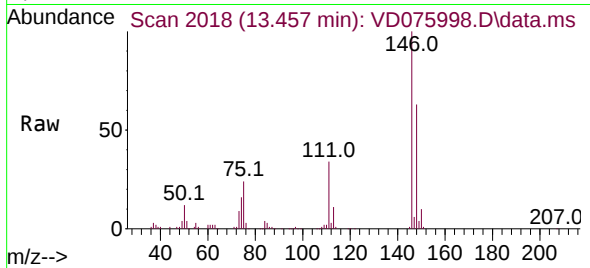




#64
1,3-Dichlorobenzene
Concen: 22.594 ug/L
RT: 13.457 min Scan# 2019
Delta R.T. -0.006 min
Lab File: VD075998.D
Acq: 04 May 2023 12:08

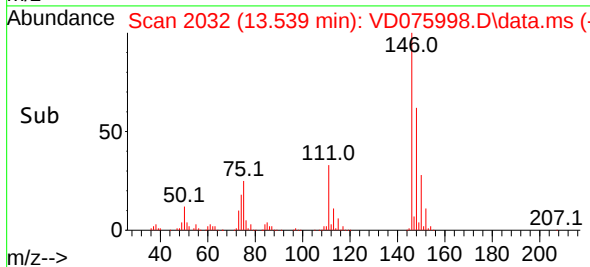
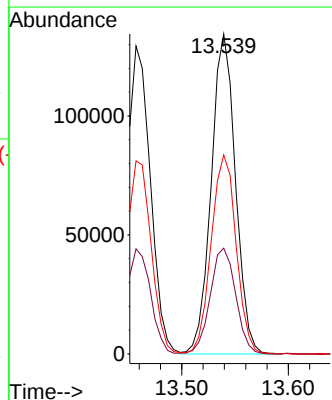
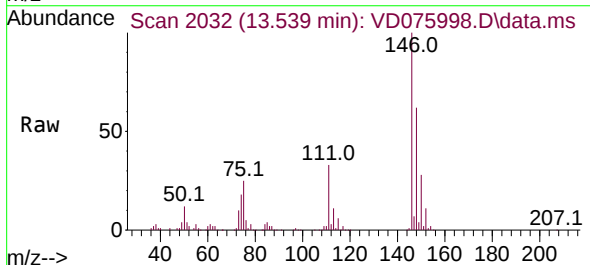
Instrument :
MSVOA_D
ClientSampleId :

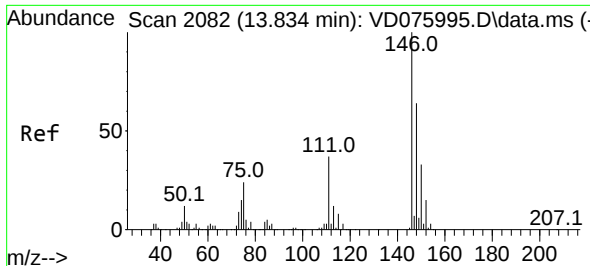
Tgt Ion:146 Resp: 205227
Ion Ratio Lower Upper
146 100
111 34.2 26.5 49.1
148 62.8 43.8 81.3



#65
1,4-Dichlorobenzene
Concen: 22.295 ug/L
RT: 13.539 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VD075998.D
Acq: 04 May 2023 12:08

Tgt Ion:146 Resp: 212536
Ion Ratio Lower Upper
146 100
111 33.0 24.6 45.8
148 62.2 44.4 82.4

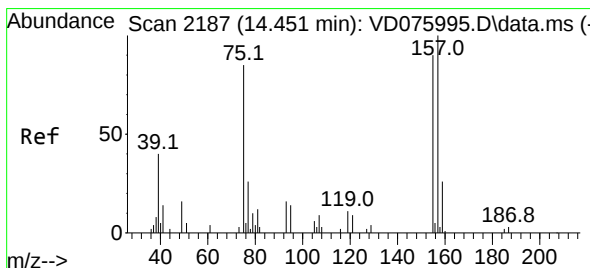
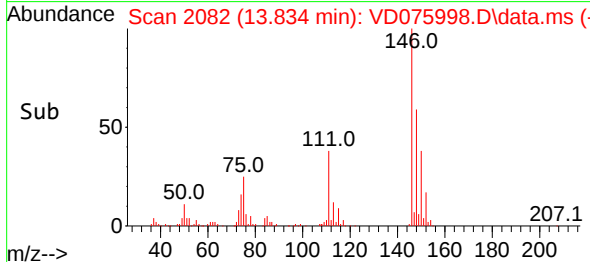
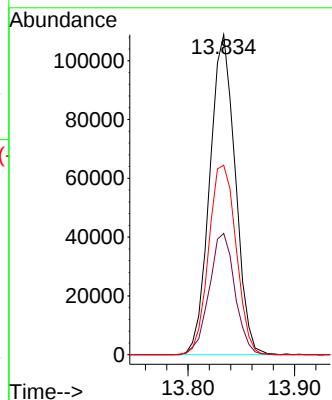
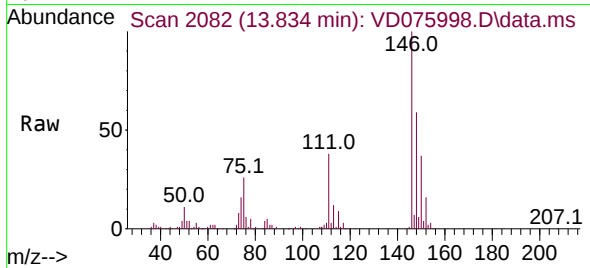




#67
1,2-Dichlorobenzene
Concen: 22.331 ug/L
RT: 13.834 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VD075998.D
Acq: 04 May 2023 12:08

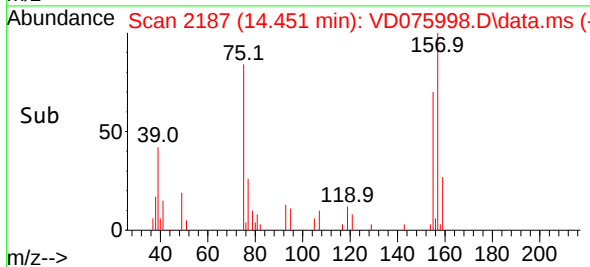
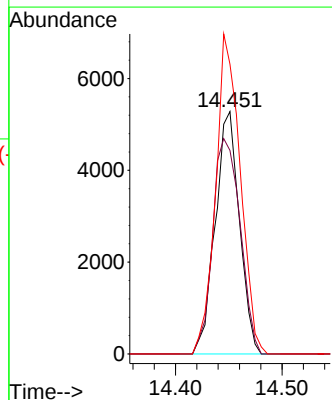
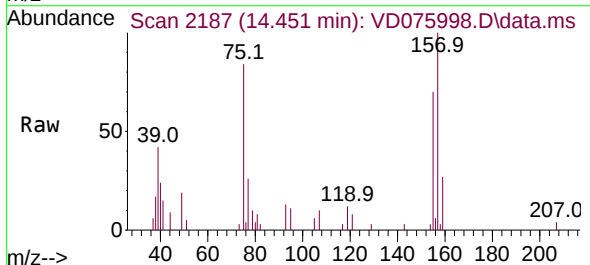
Instrument :
MSVOA_D
ClientSampleId :

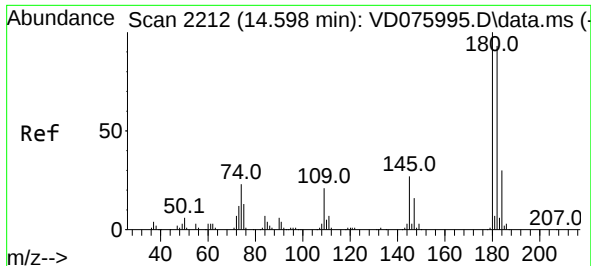
Tgt Ion:146 Resp: 181137
Ion Ratio Lower Upper
146 100
111 37.9 30.6 46.0
148 59.2 51.4 77.0



#68
1,2-Dibromo-3-chloropropane
Concen: 18.499 ug/L
RT: 14.451 min Scan# 2187
Delta R.T. -0.000 min
Lab File: VD075998.D
Acq: 04 May 2023 12:08

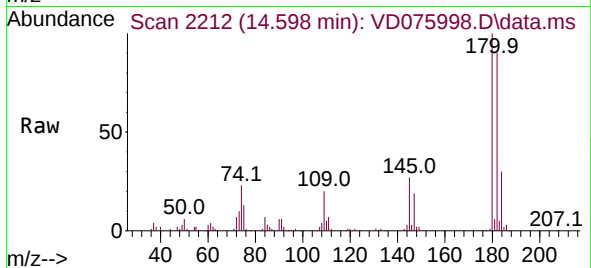
Tgt Ion: 75 Resp: 8317
Ion Ratio Lower Upper
75 100
155 83.9 74.6 111.8
157 119.6 109.4 164.2



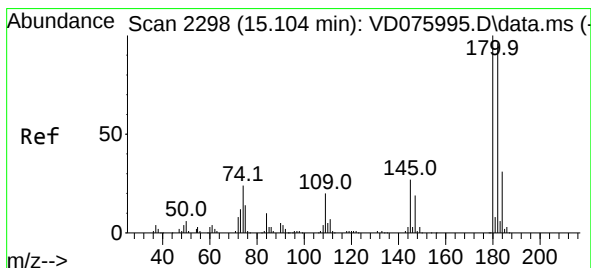
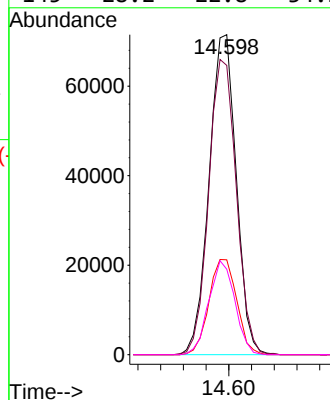
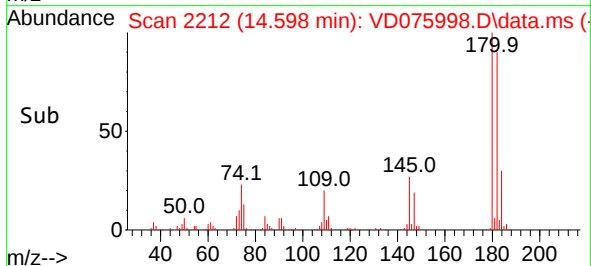


#69
 1,3,5-Trichlorobenzene
 Concen: 19.504 ug/L
 RT: 14.598 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VD075998.D
 Acq: 04 May 2023 12:08

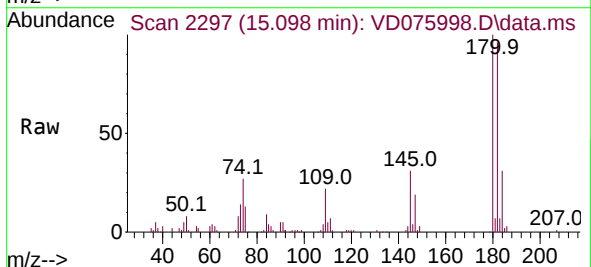
Instrument :
 MSVOA_D
 ClientSampleId :



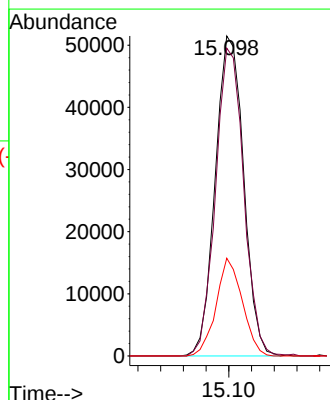
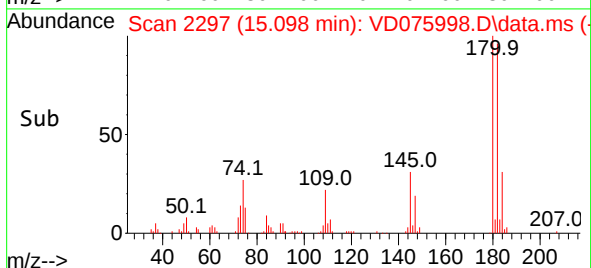
Tgt Ion:180 Resp: 118739
 Ion Ratio Lower Upper
 180 100
 182 93.9 74.9 112.3
 184 30.5 25.0 37.4
 145 28.2 22.8 34.2

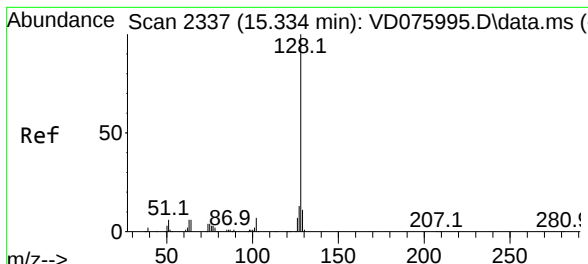


#70
 1,2,4-trichlorobenzene
 Concen: 17.705 ug/L
 RT: 15.098 min Scan# 2297
 Delta R.T. -0.006 min
 Lab File: VD075998.D
 Acq: 04 May 2023 12:08



Tgt Ion:180 Resp: 89328
 Ion Ratio Lower Upper
 180 100
 182 95.4 75.4 113.2
 145 28.2 23.6 35.4

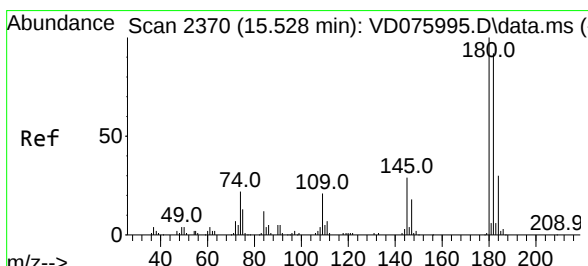
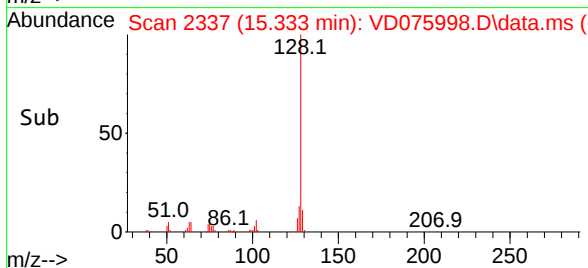
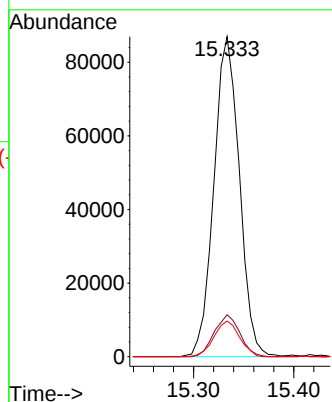
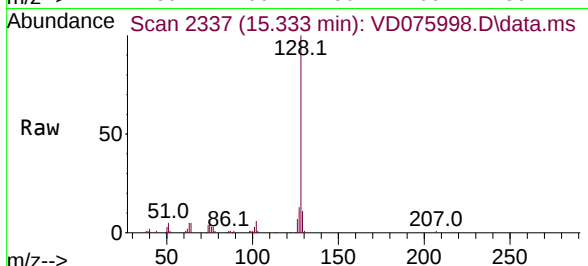




#71
Naphthalene
Concen: 16.611 ug/L
RT: 15.333 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD075998.D
Acq: 04 May 2023 12:08

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:	128	Resp:	153368
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.5	15.7
129	11.2	9.1	13.7



#72
1,2,3-Trichlorobenzene
Concen: 17.687 ug/L
RT: 15.528 min Scan# 2370
Delta R.T. -0.000 min
Lab File: VD075998.D
Acq: 04 May 2023 12:08

Tgt Ion:	180	Resp:	79656
Ion Ratio	Lower	Upper	
180	100		
182	95.6	76.3	114.5
145	30.4	25.0	37.6

