

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092523\
 Data File : VD077211.D
 Acq On : 25 Sep 2023 10:28
 Operator : JC/SY
 Sample : VSTD2.5
 Misc : 5.00G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 25 22:52:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM092523SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Sep 25 22:51:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	298162	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	299198	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	149827	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	24669	3.617	ug/L	0.00
7) Chloroethane-d5	2.805	69	16273	2.819	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.911	65	7030	4.365	ug/L	0.00
21) 2-Butanone-d5	6.987	46	6984	7.100	ug/L	0.00
24) Chloroform-d	7.569	84	30805	3.727	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.234	65	15932	4.057	ug/L	0.00
32) Benzene-d6	8.199	84	62912	3.846	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.210	67	20036	4.158	ug/L	0.00
41) Toluene-d8	10.269	98	52206	3.521	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.522	79	8118	3.853	ug/L	0.00
47) 2-Hexanone-d5	10.881	63	4943	6.303	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.651	84	16654	3.809	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.816	152	18389	3.861	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	15850	4.242	ug/L	94
3) Chloromethane	2.146	50	17417	2.755	ug/L	99
5) Vinyl chloride	2.281	62	20205	2.768	ug/L	93
6) Bromomethane	2.693	94	10617	2.095	ug/L #	68
8) Chloroethane	2.834	64	9465	1.926	ug/L	92
9) Trichlorofluoromethane	3.175	101	23029	3.239	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	3.970	101	15143	3.456	ug/L #	89
12) 1,1-Dichloroethene	3.934	96	11380	2.877	ug/L #	64
13) Acetone	4.022	43	7162	5.176	ug/L	83
14) Carbon disulfide	4.270	76	29096	2.333	ug/L	97
15) Methyl Acetate	4.558	43	6848	3.651	ug/L #	80
16) Methylene chloride	4.793	84	11892	1.951	ug/L	86
17) trans-1,2-Dichloroethene	5.311	96	9366	2.136	ug/L	89
18) Methyl tert-butyl Ether	5.322	73	28317	2.925	ug/L #	62
19) 1,1-Dichloroethane	6.105	63	25263	3.341	ug/L	99
20) cis-1,2-Dichloroethene	7.081	96	15600	3.066	ug/L	96
22) 2-Butanone	7.069	43	3551	2.146	ug/L	78
23) Bromochloromethane	7.428	128	8158	3.357	ug/L #	74
25) Chloroform	7.593	83	28325	3.368	ug/L	95
27) 1,2-Dichloroethane	8.322	62	16906	3.348	ug/L #	87
29) Cyclohexane	7.881	56	13665	2.508	ug/L	98
30) 1,1,1-Trichloroethane	7.787	97	15839	2.248	ug/L #	63
31) Carbon tetrachloride	7.999	117	17184	2.915	ug/L	100
33) Benzene	8.252	78	54796	3.016	ug/L	100
34) Trichloroethene	9.028	95	13761	2.886	ug/L	96
35) Methylcyclohexane	9.275	83	17457	2.448	ug/L	95
37) 1,2-Dichloropropane	9.305	63	15900	3.393	ug/L #	95
38) Bromodichloromethane	9.587	83	21798	3.405	ug/L #	98
39) cis-1,3-Dichloropropene	10.016	75	22357	3.050	ug/L	92
40) 4-Methyl-2-pentanone	10.163	43	17225	6.590	ug/L #	92
42) Toluene	10.334	91	54334	2.758	ug/L	92
44) trans-1,3-Dichloropropene	10.557	75	18728	2.977	ug/L	96

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 ALS Vial : 3 Sample Multiplier: 1

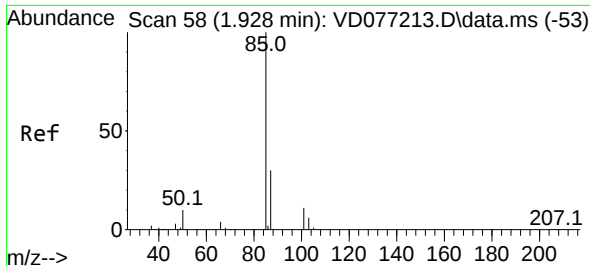
Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 25 22:52:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM092523SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Sep 25 22:51:27 2023
 Response via : Initial Calibration

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

45) 1,1,2-Trichloroethane	10.734	97	14162	3.549	ug/L	88
46) Tetrachloroethene	10.816	164	11030	2.845	ug/L	84
48) 2-Hexanone	10.922	43	11701	5.785	ug/L	96
49) Dibromochloromethane	11.075	129	15074	3.279	ug/L	100
50) 1,2-Dibromoethane	11.175	107	12651	3.281	ug/L #	84
51) Chlorobenzene	11.610	112	40293	3.064	ug/L	94
52) Ethylbenzene	11.687	91	58796	2.767	ug/L	97
53) m,p-Xylene	11.793	106	21930	2.672	ug/L	99
54) o-Xylene	12.122	106	21077	2.664	ug/L	96
55) Styrene	12.134	104	36911	2.590	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.675	83	16133	3.440	ug/L	99
59) Bromoform	12.299	173	9003	3.286	ug/L	93
60) Isopropylbenzene	12.422	105	54389	2.807	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	10465	3.542	ug/L	92
62) 1,3,5-Trimethylbenzene	12.904	105	40783	2.723	ug/L	99
63) 1,2,4-Trimethylbenzene	13.210	105	40289	2.734	ug/L	98
64) 1,3-Dichlorobenzene	13.463	146	30543	3.285	ug/L	98
65) 1,4-Dichlorobenzene	13.540	146	32060	3.283	ug/L	91
67) 1,2-Dichlorobenzene	13.834	146	27838	3.244	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.451	75	2262	3.685	ug/L #	63
69) 1,3,5-Trichlorobenzene	14.593	180	19765	3.213	ug/L	100
70) 1,2,4-trichlorobenzene	15.104	180	16559	3.158	ug/L	98
71) Naphthalene	15.334	128	32351	3.068	ug/L	96
72) 1,2,3-Trichlorobenzene	15.528	180	15757	3.243	ug/L	99

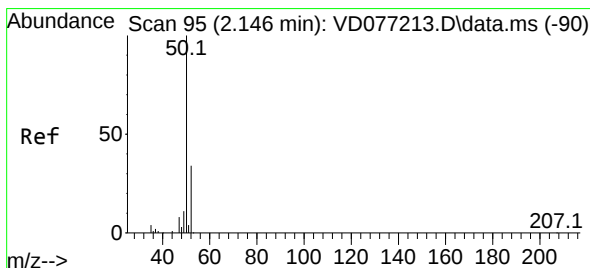
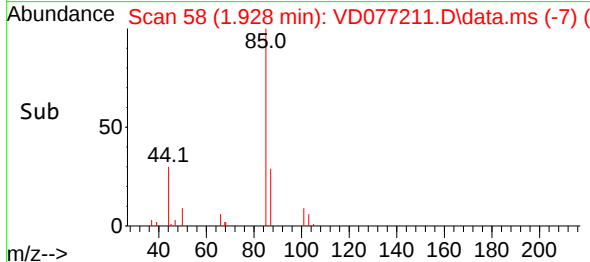
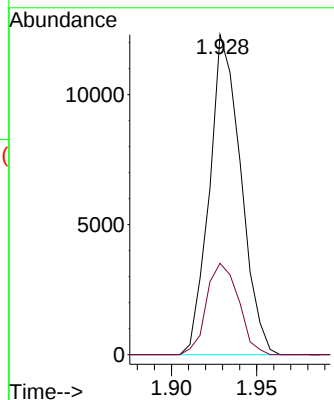
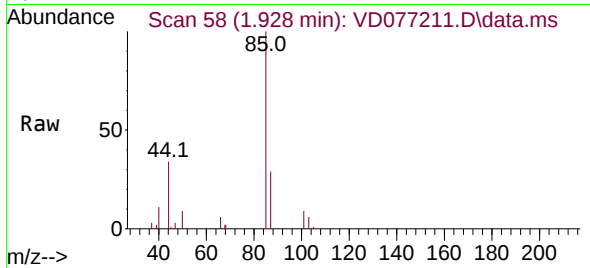
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.242 ug/L
 RT: 1.928 min Scan# 58
 Delta R.T. 0.000 min
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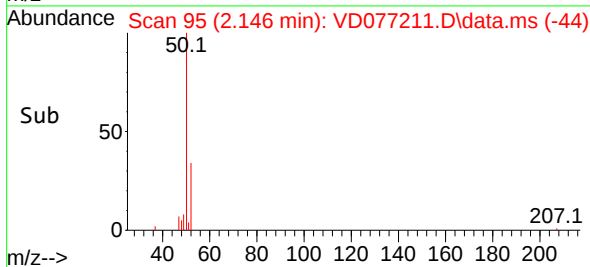
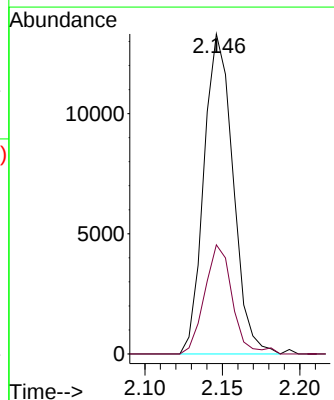
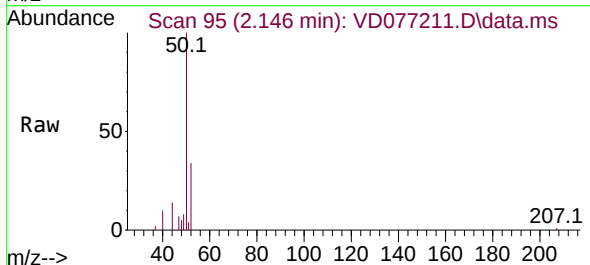
Instrument :
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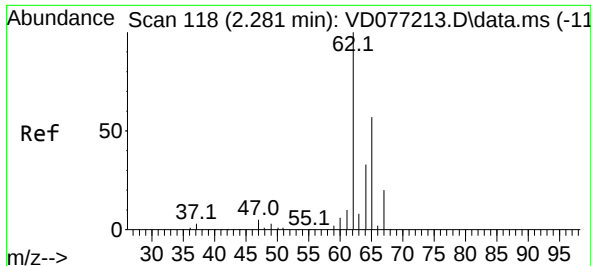
Tgt Ion: 85 Resp: 15850
 Ion Ratio Lower Upper
 85 100
 87 29.0 25.9 38.9



#3
 Chloromethane
 Concen: 2.755 ug/L
 RT: 2.146 min Scan# 95
 Delta R.T. 0.000 min
 Lab File: VD077211.D
 Acq: 25 Sep 2023 10:28

Tgt Ion: 50 Resp: 17417
 Ion Ratio Lower Upper
 50 100
 52 34.1 23.6 43.8

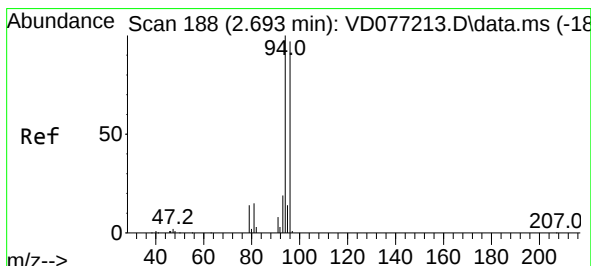
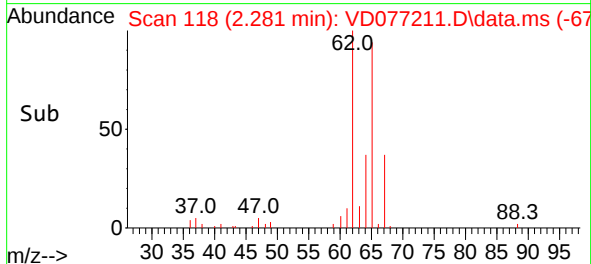
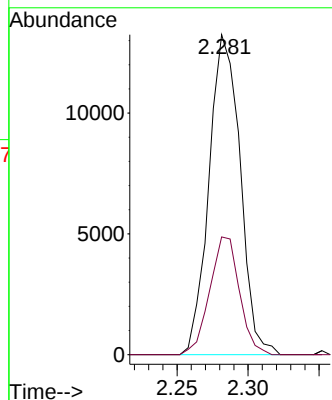
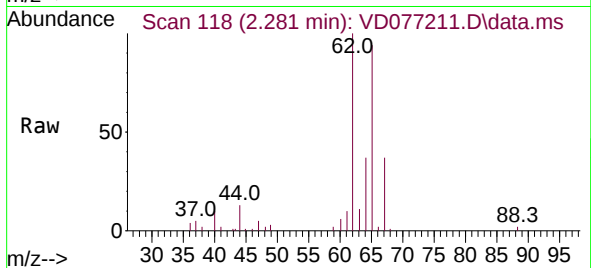




#5
 Vinyl chloride
 Concen: 2.768 ug/L
 RT: 2.281 min Scan# 118
 Delta R.T. 0.000 min
 Lab File: VD077211.D
 Acq: 25 Sep 2023 10:28

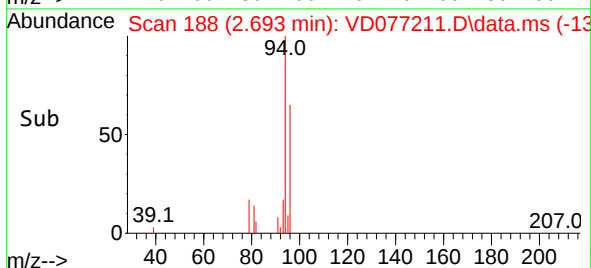
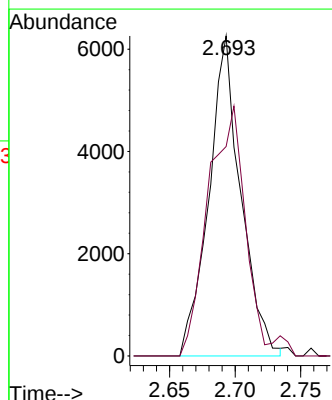
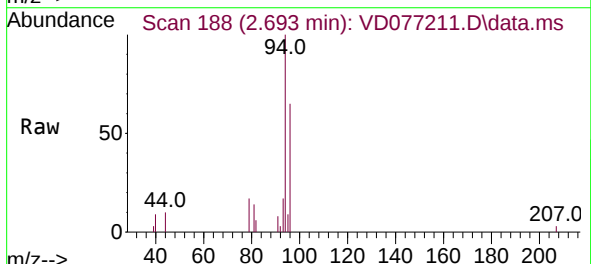
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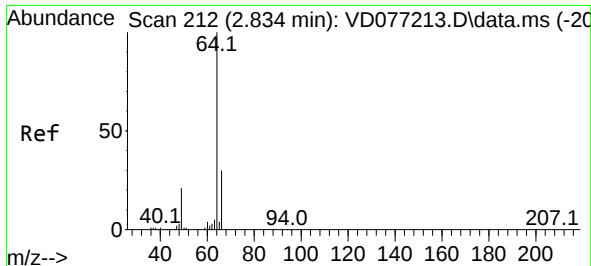
Tgt Ion: 62 Resp: 20205
 Ion Ratio Lower Upper
 62 100
 64 36.8 23.0 42.8



#6
 Bromomethane
 Concen: 2.095 ug/L
 RT: 2.693 min Scan# 188
 Delta R.T. 0.000 min
 Lab File: VD077211.D
 Acq: 25 Sep 2023 10:28

Tgt Ion: 94 Resp: 10617
 Ion Ratio Lower Upper
 94 100
 96 65.4 67.8 125.8#

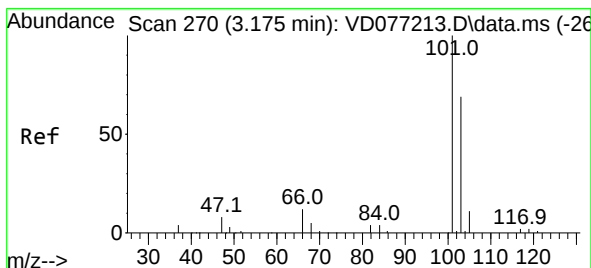
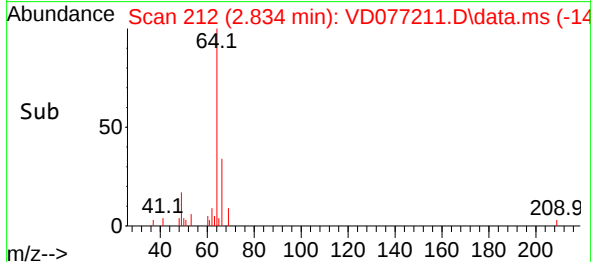
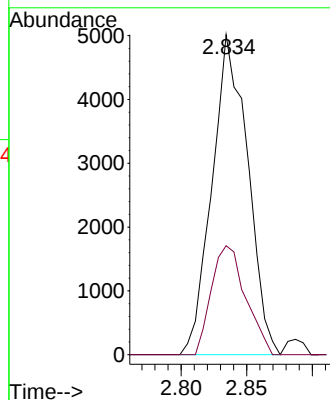
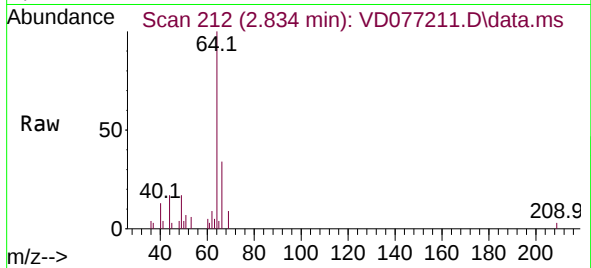




#8
Chloroethane
Concen: 1.926 ug/L
RT: 2.834 min Scan# 212
Delta R.T. 0.000 min
Lab File: VD077211.D
Acq: 25 Sep 2023 10:28

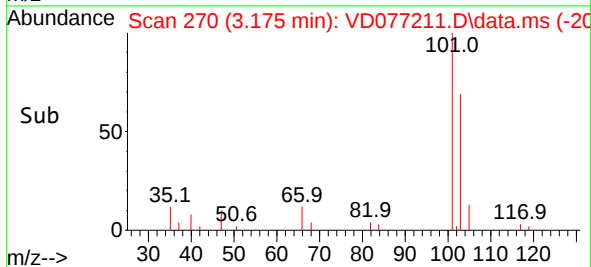
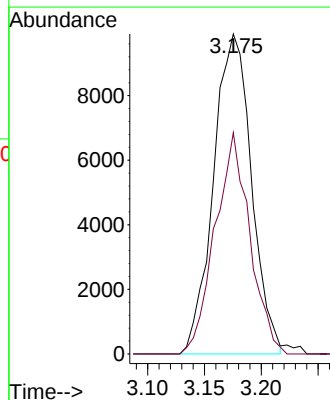
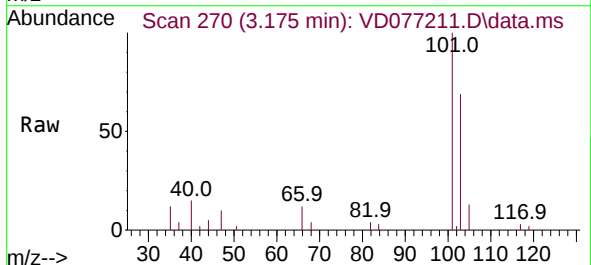
Instrument :
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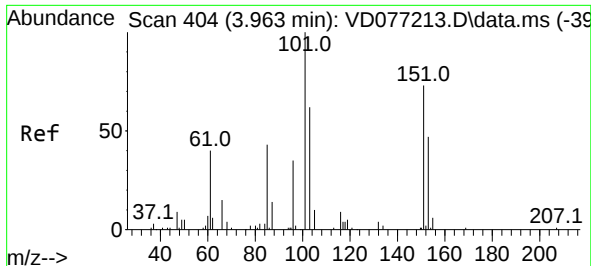
Tgt Ion: 64 Resp: 9465
Ion Ratio Lower Upper
64 100
66 34.0 20.8 38.6



#9
Trichlorofluoromethane
Concen: 3.239 ug/L
RT: 3.175 min Scan# 270
Delta R.T. 0.000 min
Lab File: VD077211.D
Acq: 25 Sep 2023 10:28

Tgt Ion: 101 Resp: 23029
Ion Ratio Lower Upper
101 100
103 63.3 52.9 79.3

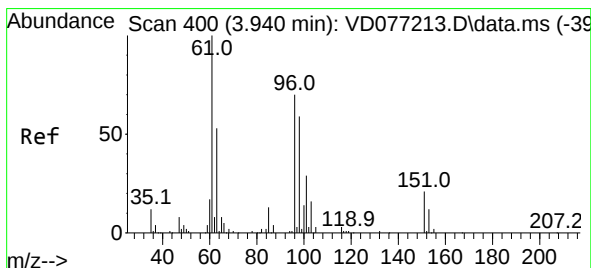
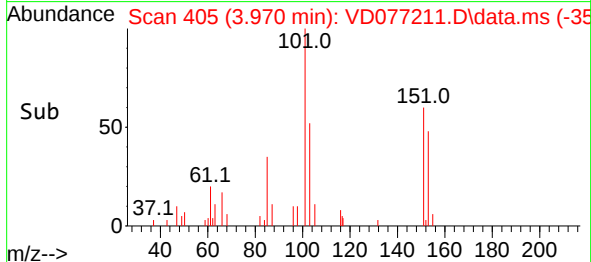
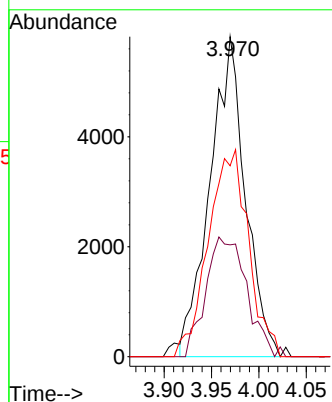
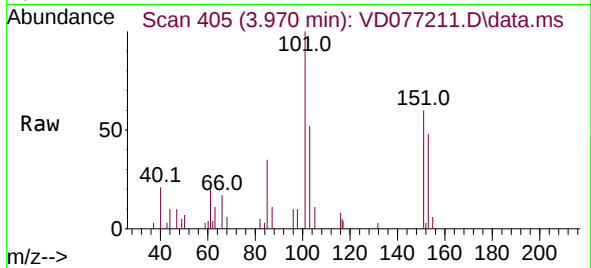




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 3.456 ug/L
 RT: 3.970 min Scan# 404
 Delta R.T. 0.006 min
 Lab File: VD077211.D
 Acq: 25 Sep 2023 10:28

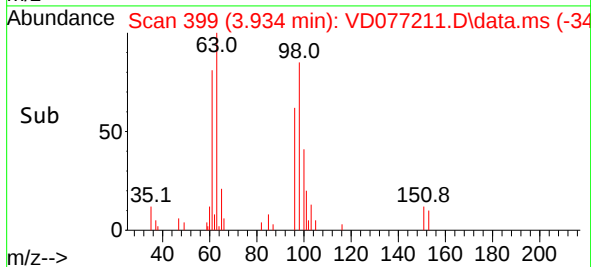
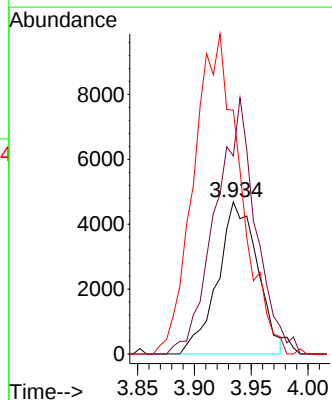
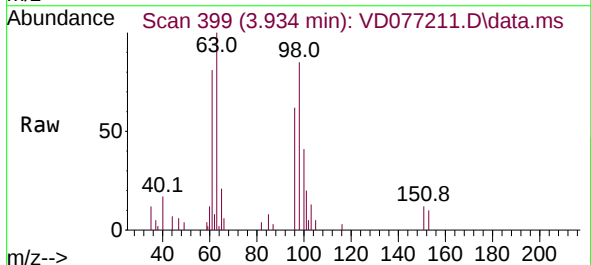
Instrument :
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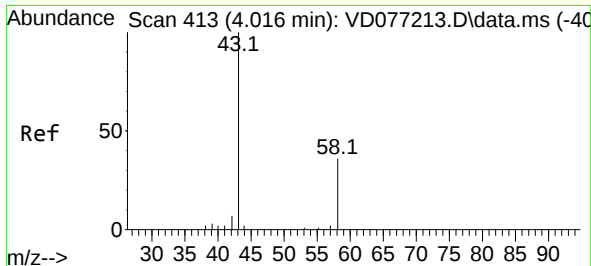
Tgt Ion:101 Resp: 15143
 Ion Ratio Lower Upper
 101 100
 85 26.6 35.3 52.9#
 151 73.4 59.9 89.9



#12
 1,1-Dichloroethene
 Concen: 2.877 ug/L
 RT: 3.934 min Scan# 399
 Delta R.T. -0.006 min
 Lab File: VD077211.D
 Acq: 25 Sep 2023 10:28

Tgt Ion: 96 Resp: 11380
 Ion Ratio Lower Upper
 96 100
 61 130.2 102.1 189.5
 63 160.2 63.3 117.5#





#13

Acetone

Concen: 5.176 ug/L

RT: 4.022 min Scan# 413

Delta R.T. 0.006 min

Lab File: VD077211.D

Acq: 25 Sep 2023 10:28

Instrument :

MSVOA_D

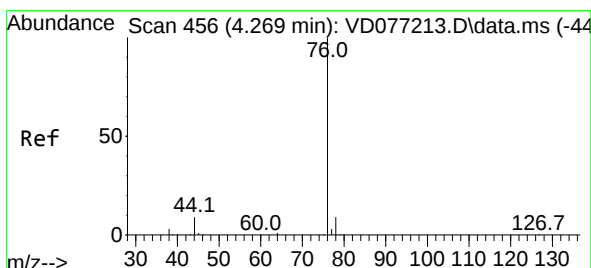
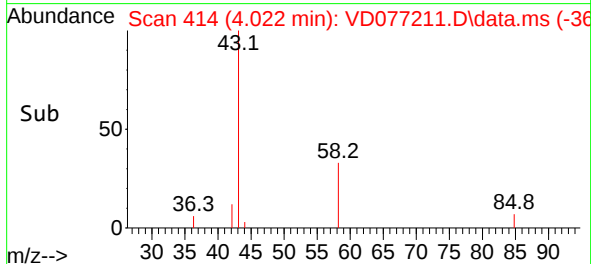
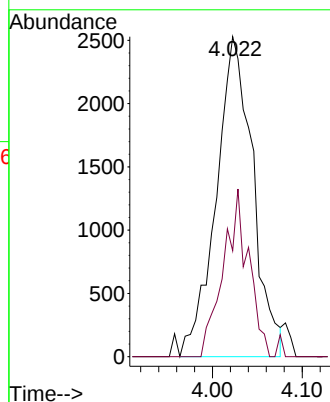
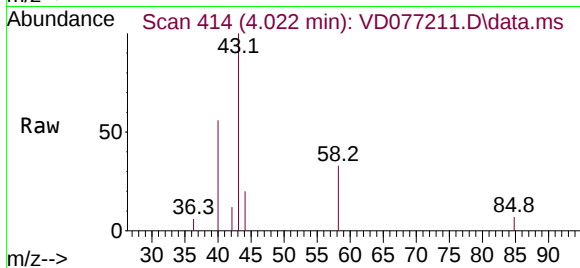
ClientSampleId :

Tgt Ion: 43 Resp: 7162

Ion Ratio Lower Upper

43 100

58 27.1 0.0 74.0



#14

Carbon disulfide

Concen: 2.333 ug/L

RT: 4.270 min Scan# 456

Delta R.T. 0.000 min

Lab File: VD077211.D

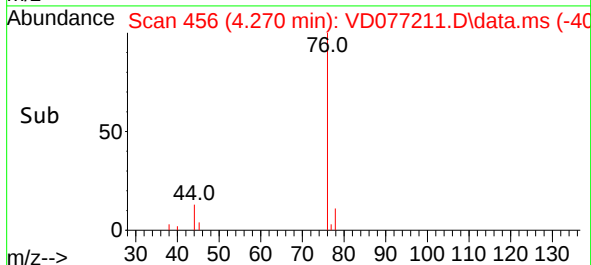
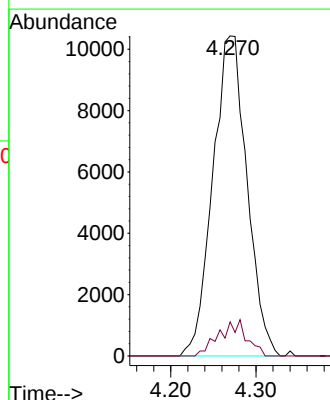
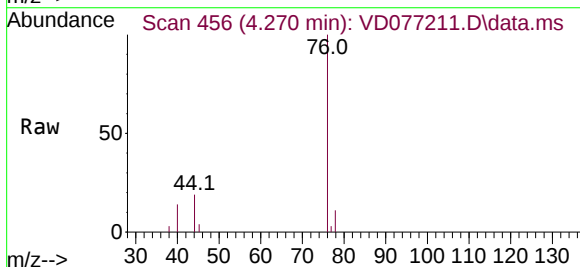
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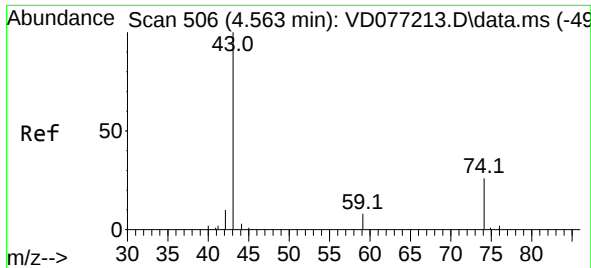
Tgt Ion: 76 Resp: 29096

Ion Ratio Lower Upper

76 100

78 10.7 7.5 11.3

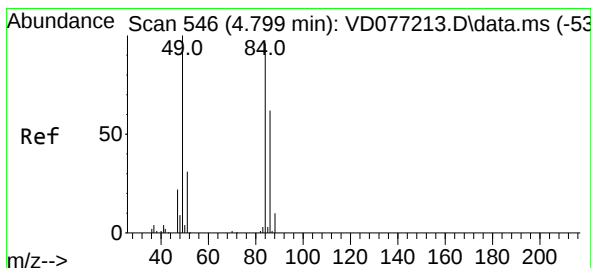
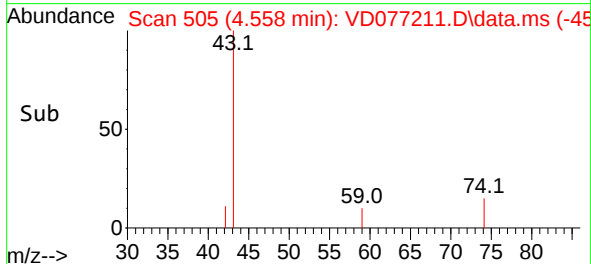
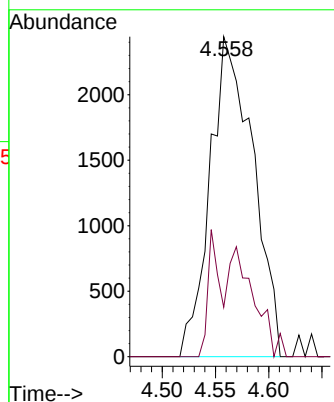
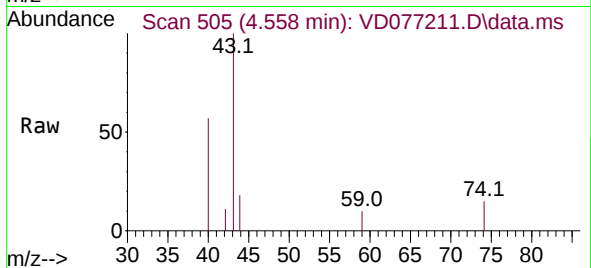




#15
Methyl Acetate
Concen: 3.651 ug/L
RT: 4.558 min Scan# 506
Delta R.T. -0.006 min
Lab File: VD077211.D
Acq: 25 Sep 2023 10:28

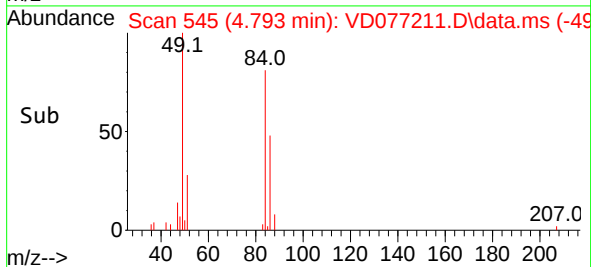
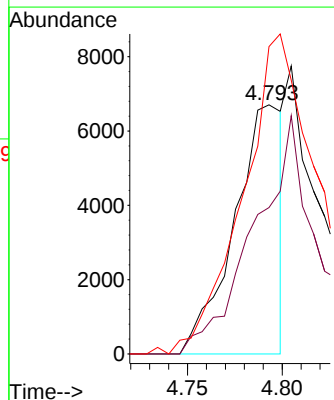
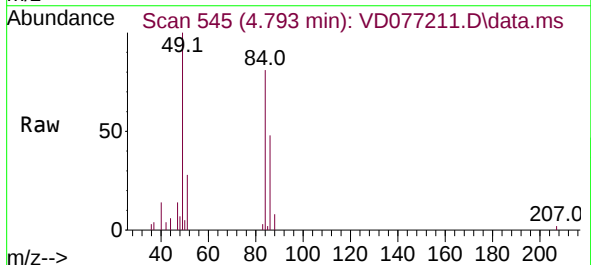
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ClientSampleId :

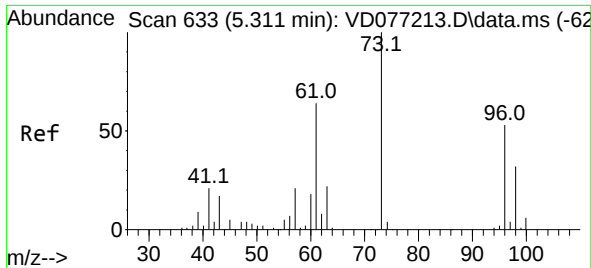
Tgt Ion: 43 Resp: 6848
Ion Ratio Lower Upper
43 100
74 17.8 22.5 33.7#



#16
Methylene chloride
Concen: 1.951 ug/L
RT: 4.793 min Scan# 545
Delta R.T. -0.006 min
Lab File: VD077211.D
Acq: 25 Sep 2023 10:28

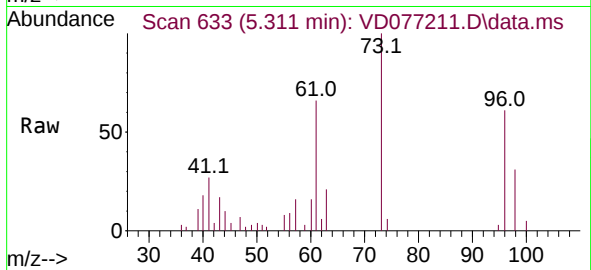
Tgt Ion: 84 Resp: 11892
Ion Ratio Lower Upper
84 100
86 58.8 45.2 84.0
49 123.4 73.4 136.4



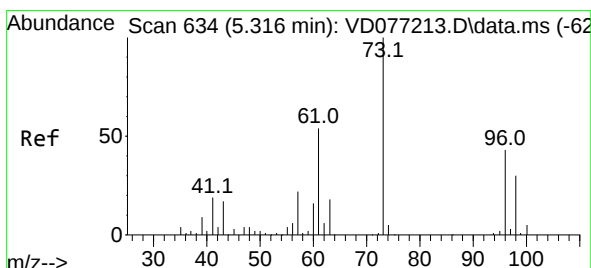
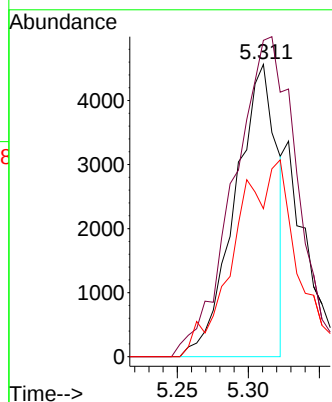
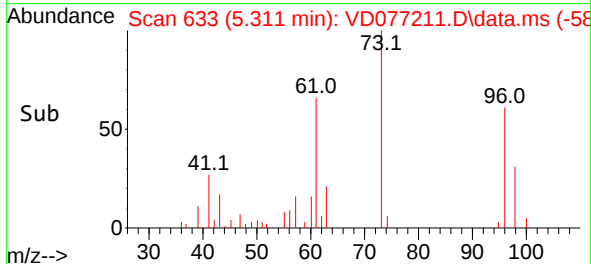


#17
trans-1,2-Dichloroethene
Concen: 2.136 ug/L
RT: 5.311 min Scan# 611
Delta R.T. 0.000 min
Lab File: VD077211.D
Acq: 25 Sep 2023 10:28

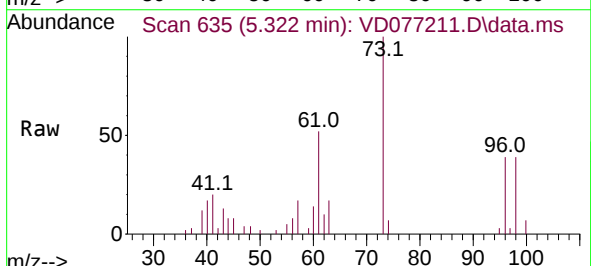
Instrument :
MSVOA_D
ClientSampleId :



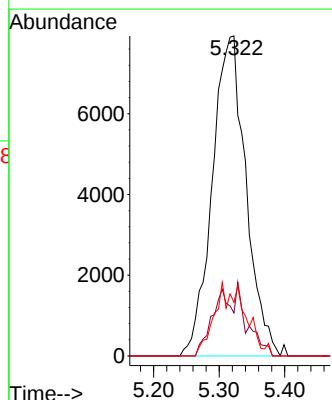
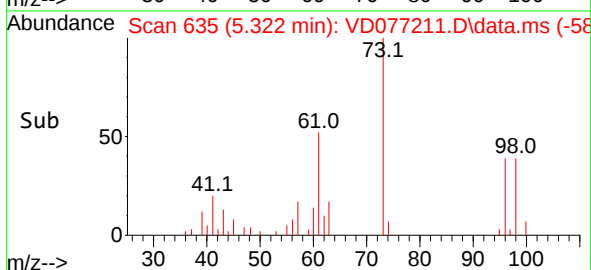
Tgt Ion: 96 Resp: 9366
Ion Ratio Lower Upper
96 100
61 108.2 84.1 156.3
98 50.6 42.0 78.0

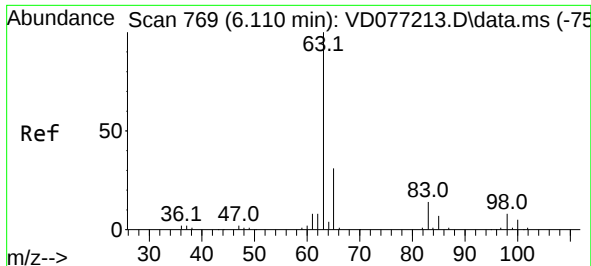


#18
Methyl tert-butyl Ether
Concen: 2.925 ug/L
RT: 5.322 min Scan# 635
Delta R.T. 0.006 min
Lab File: VD077211.D
Acq: 25 Sep 2023 10:28



Tgt Ion: 73 Resp: 28317
Ion Ratio Lower Upper
73 100
43 3.9 12.7 19.1#
57 0.0 17.2 25.8#

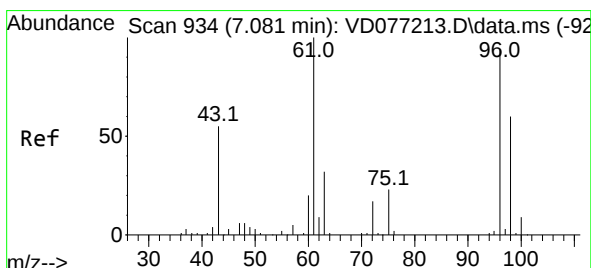
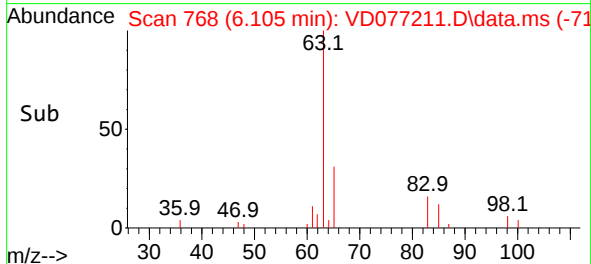
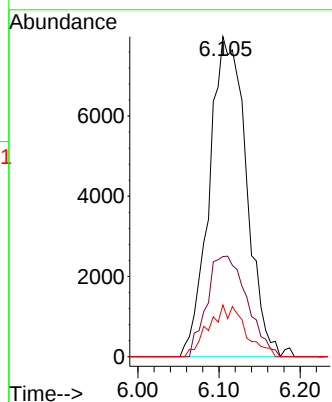
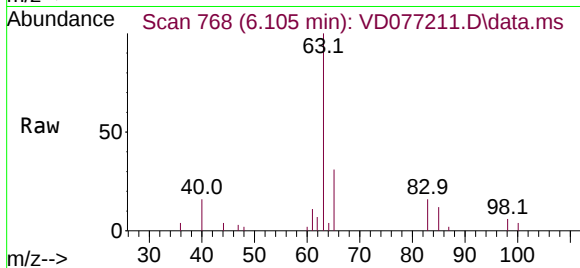




#19
1,1-Dichloroethane
Concen: 3.341 ug/L
RT: 6.105 min Scan# 768
Delta R.T. -0.006 min
Lab File: VD077211.D
Acq: 25 Sep 2023 10:28

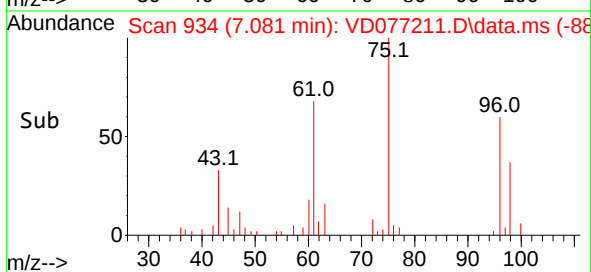
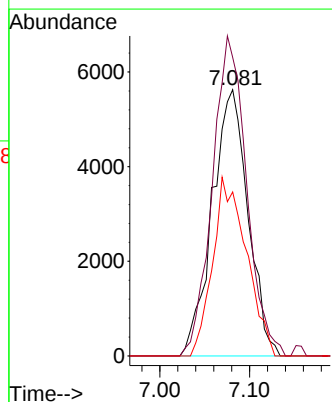
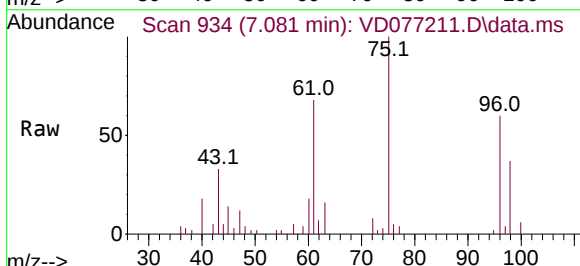
Instrument :
MSVOA_D
ClientSampleId :

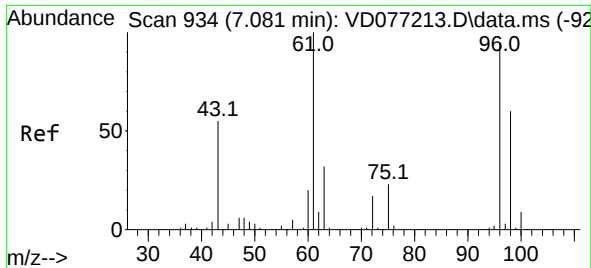
Tgt Ion:	63	Resp:	25263
Ion	Ratio	Lower	Upper
63	100		
65	31.3	21.9	40.7
83	16.2	10.0	18.6



#20
cis-1,2-Dichloroethene
Concen: 3.066 ug/L
RT: 7.081 min Scan# 934
Delta R.T. 0.000 min
Lab File: VD077211.D
Acq: 25 Sep 2023 10:28

Tgt Ion:	96	Resp:	15600
Ion	Ratio	Lower	Upper
96	100		
61	112.1	74.8	139.0
98	61.6	45.1	83.7

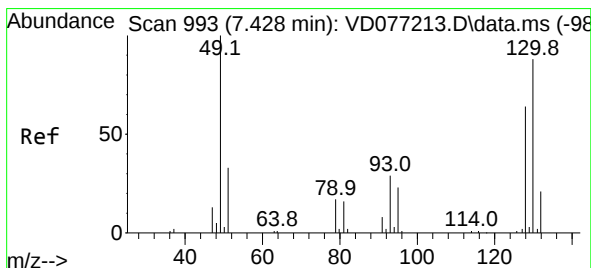
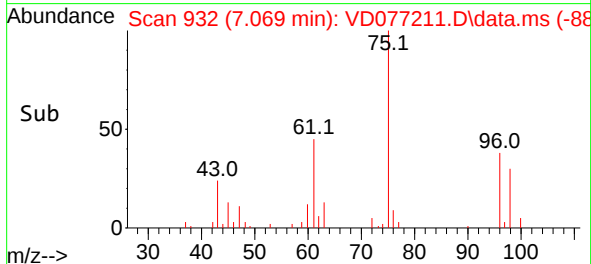
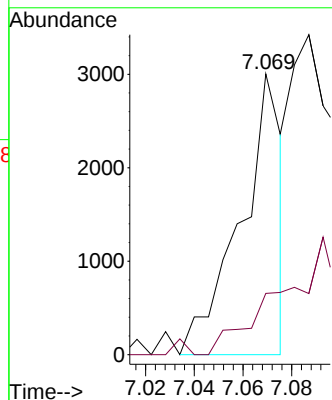
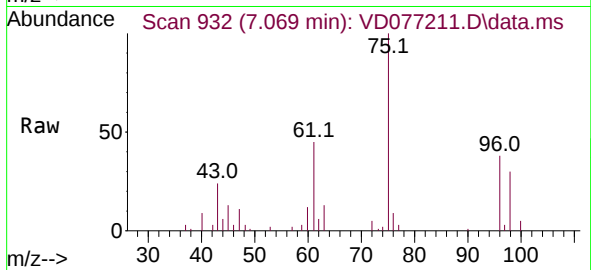




#22
2-Butanone
Concen: 2.146 ug/L
RT: 7.069 min Scan# 91
Delta R.T. -0.012 min
Lab File: VD077211.D
Acq: 25 Sep 2023 10:28

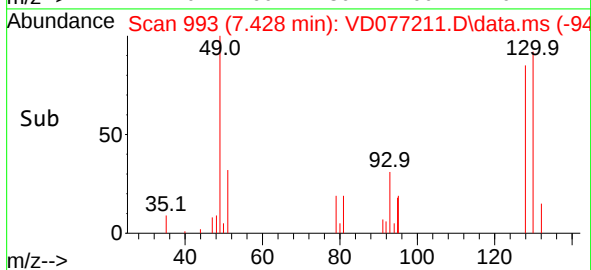
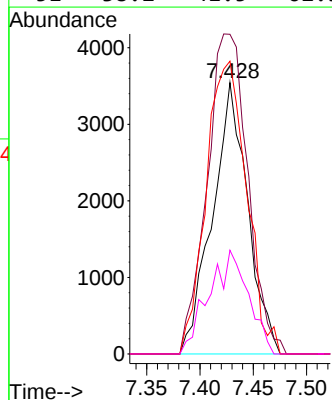
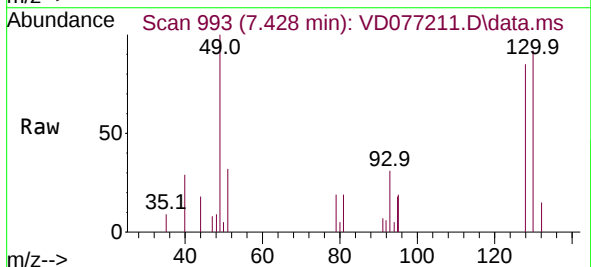
Instrument :
MSVOA_D
ClientSampleId :

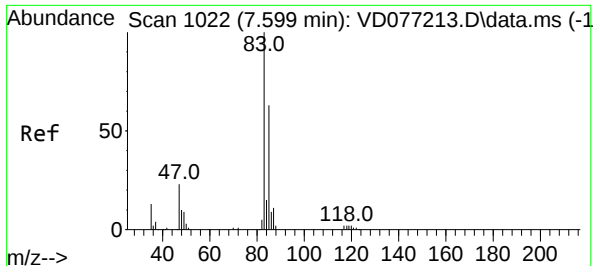
Tgt Ion: 43 Resp: 3551
Ion Ratio Lower Upper
43 100
72 18.9 15.4 46.4



#23
Bromochloromethane
Concen: 3.357 ug/L
RT: 7.428 min Scan# 993
Delta R.T. 0.000 min
Lab File: VD077211.D
Acq: 25 Sep 2023 10:28

Tgt Ion:128 Resp: 8158
Ion Ratio Lower Upper
128 100
49 117.8 109.4 203.2
130 107.9 97.1 180.3
51 38.2 41.5 62.3#





#25

Chloroform

Concen: 3.368 ug/L

RT: 7.593 min Scan# 1022

Delta R.T. -0.006 min

Lab File: VD077211.D

Acq: 25 Sep 2023 10:28

Instrument :

MSVOA_D

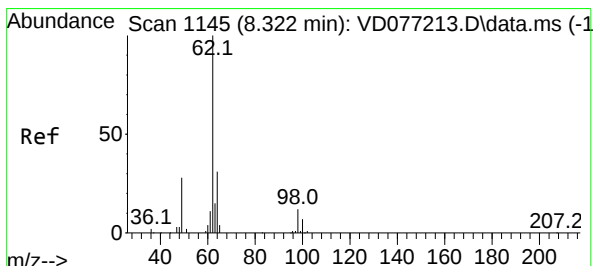
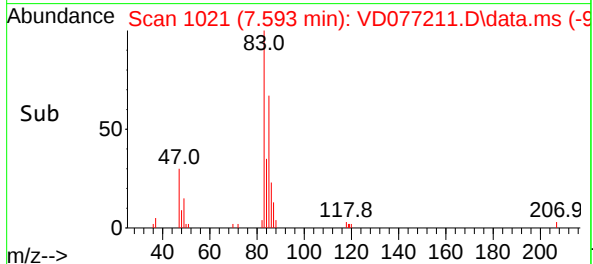
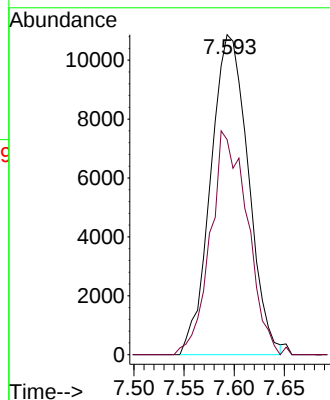
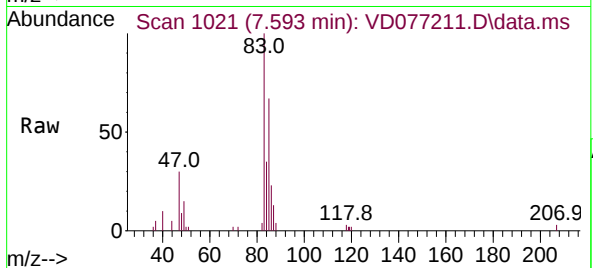
ClientSampleId :

Tgt Ion: 83 Resp: 28325

Ion Ratio Lower Upper

83 100

85 67.2 44.4 82.5



#27

1,2-Dichloroethane

Concen: 3.348 ug/L

RT: 8.322 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VD077211.D

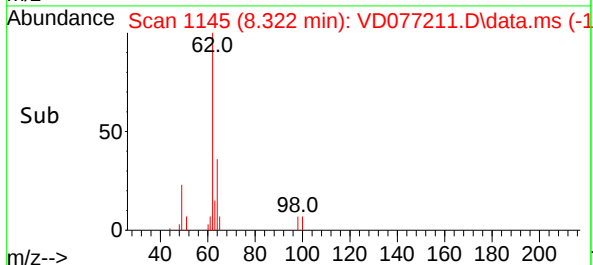
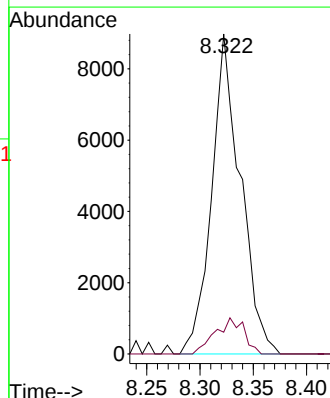
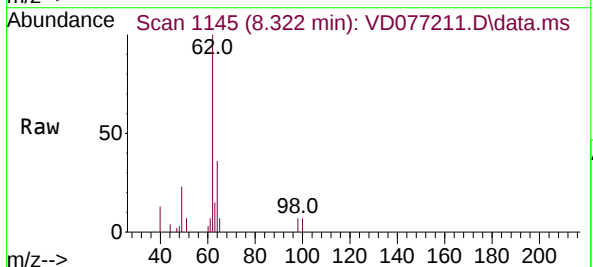
Acq: 25 Sep 2023 10:28

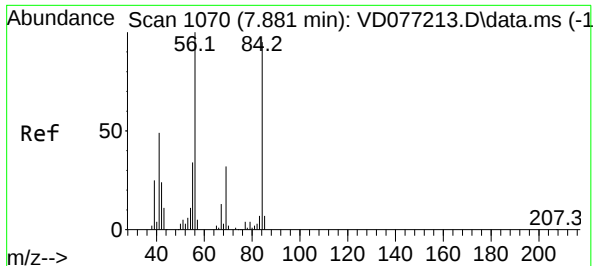
Tgt Ion: 62 Resp: 16906

Ion Ratio Lower Upper

62 100

98 6.8 9.4 14.0#





#29

Cyclohexane

Concen: 2.508 ug/L

RT: 7.881 min Scan# 1070

Delta R.T. 0.000 min

Lab File: VD077211.D

Acq: 25 Sep 2023 10:28

Instrument :

MSVOA_D

ClientSampleId :

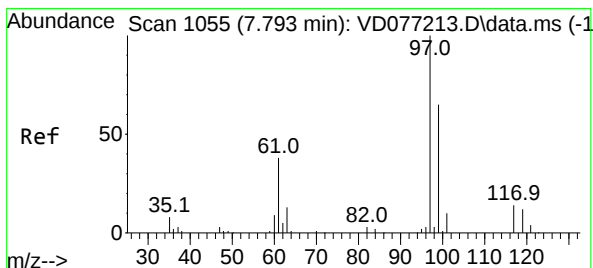
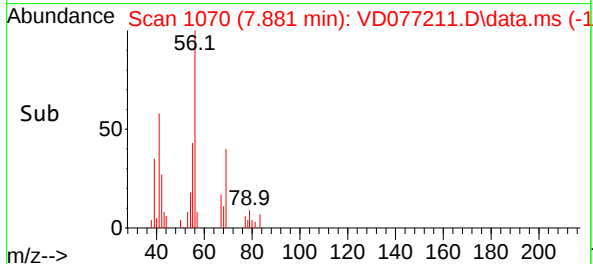
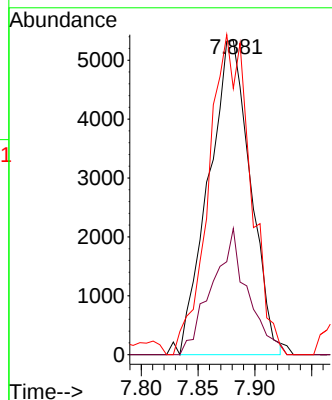
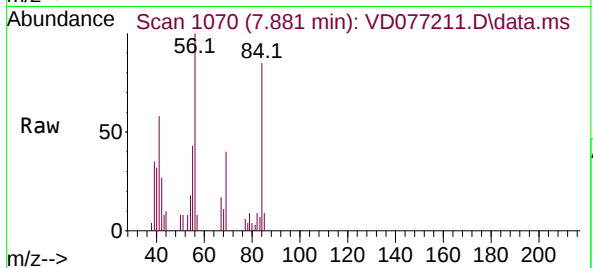
Tgt Ion: 56 Resp: 13665

Ion Ratio Lower Upper

56 100

69 34.3 25.4 38.0

84 101.6 80.6 120.8



#30

1,1,1-Trichloroethane

Concen: 2.248 ug/L

RT: 7.787 min Scan# 1054

Delta R.T. -0.006 min

Lab File: VD077211.D

Acq: 25 Sep 2023 10:28

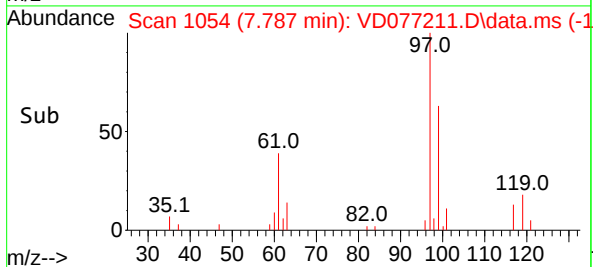
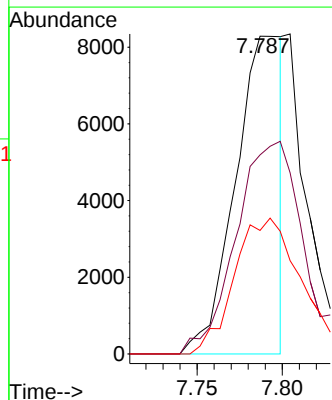
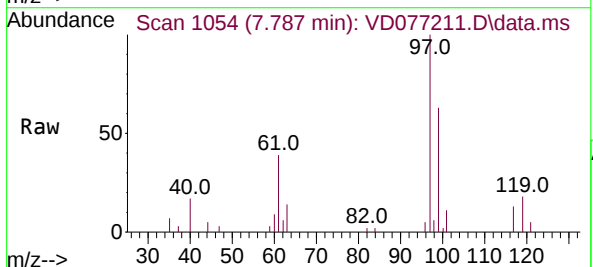
Tgt Ion: 97 Resp: 15839

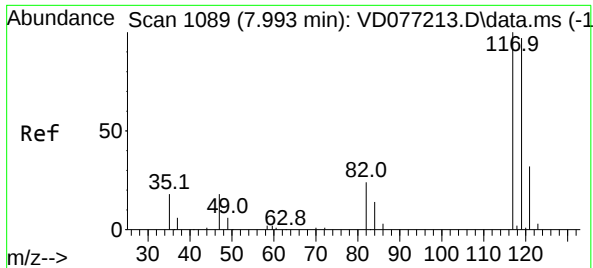
Ion Ratio Lower Upper

97 100

99 95.4 51.6 77.4#

61 59.4 31.6 47.4#

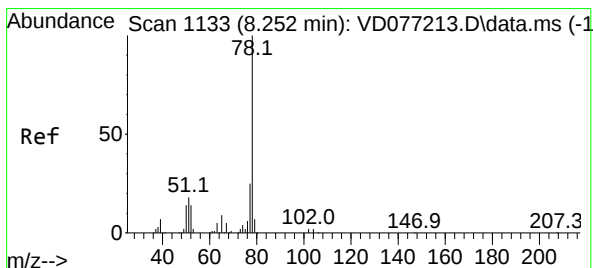
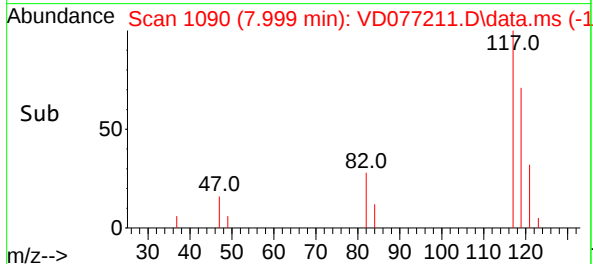
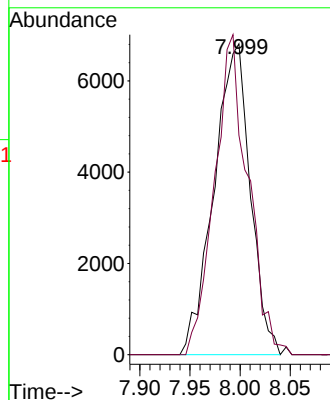
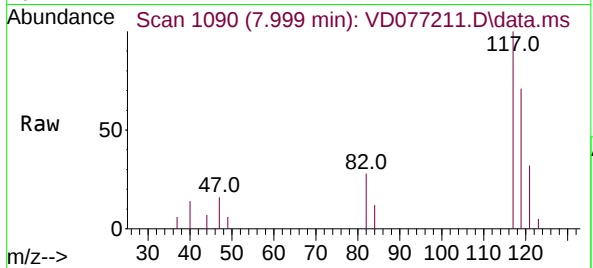




#31
Carbon tetrachloride
Concen: 2.915 ug/L
RT: 7.999 min Scan# 110
Delta R.T. 0.006 min
Lab File: VD077211.D
Acq: 25 Sep 2023 10:28

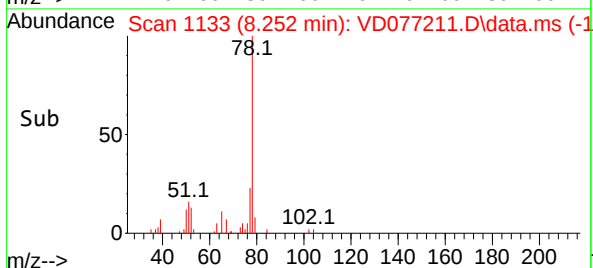
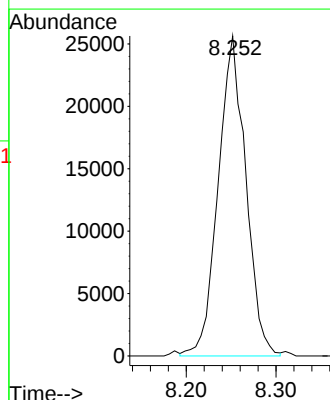
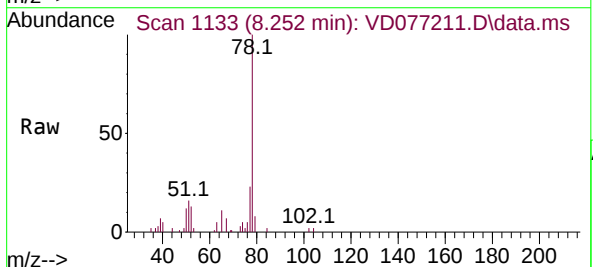
Instrument :
MSVOA_D
ClientSampleId :

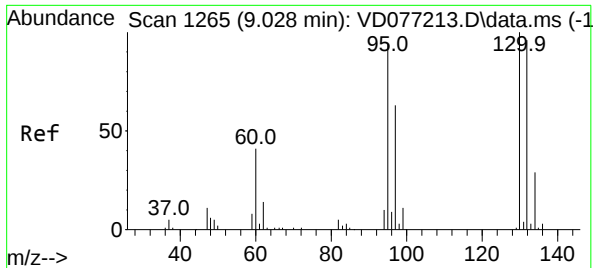
Tgt Ion:117 Resp: 17184
Ion Ratio Lower Upper
117 100
119 94.3 75.4 113.0



#33
Benzene
Concen: 3.016 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD077211.D
Acq: 25 Sep 2023 10:28

Tgt Ion: 78 Resp: 54796



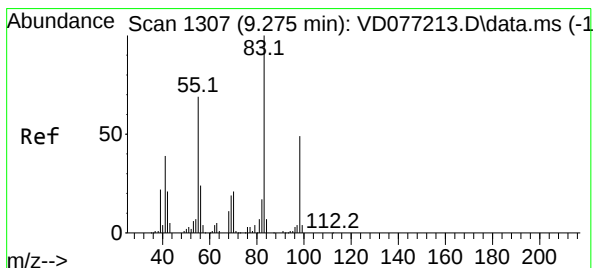
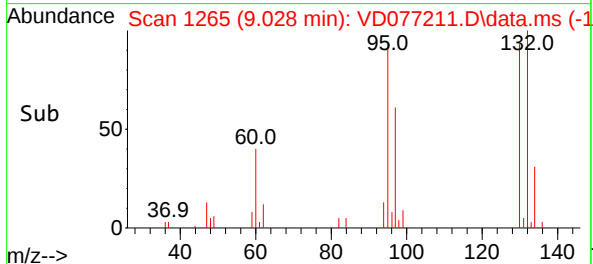
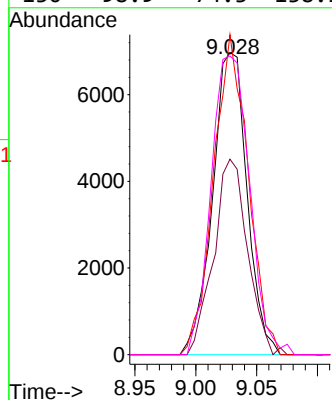
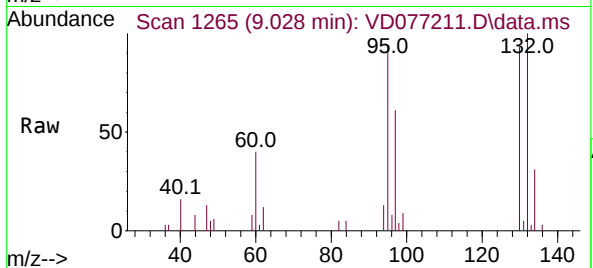


#34
Trichloroethene
Concen: 2.886 ug/L
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD077211.D
Acq: 25 Sep 2023 10:28

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 95 Resp: 13761

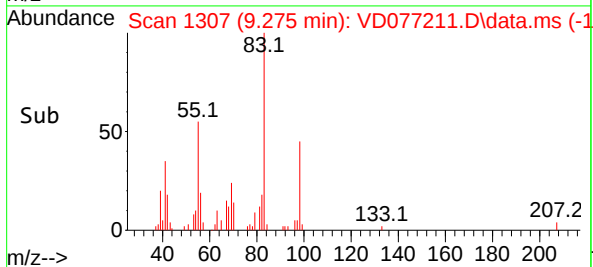
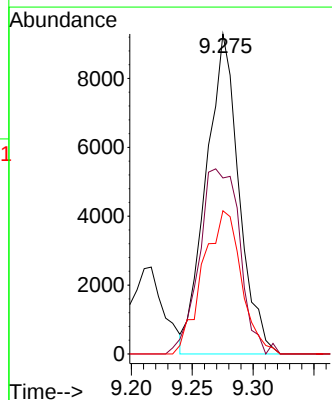
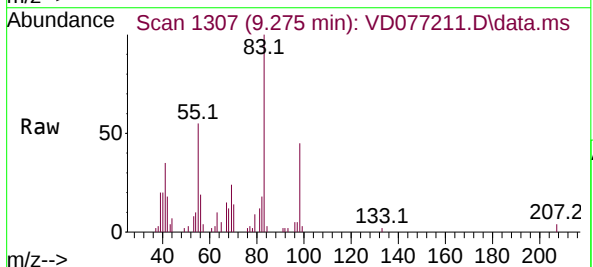
Ion	Ratio	Lower	Upper
95	100		
97	64.7	46.5	86.5
132	105.9	71.8	133.4
130	98.9	74.3	138.1

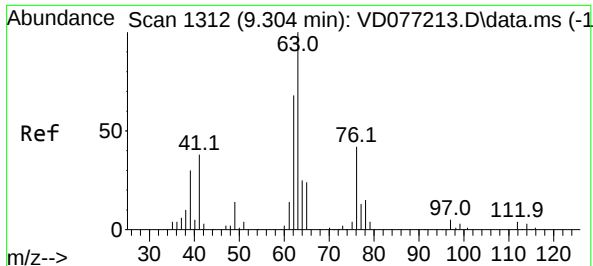


#35
Methylcyclohexane
Concen: 2.448 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. 0.000 min
Lab File: VD077211.D
Acq: 25 Sep 2023 10:28

Tgt Ion: 83 Resp: 17457

Ion	Ratio	Lower	Upper
83	100		
55	70.6	53.0	79.4
98	52.3	39.4	59.0





#37

1,2-Dichloropropane

Concen: 3.393 ug/L

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD077211.D

Acq: 25 Sep 2023 10:28

Instrument :

MSVOA_D

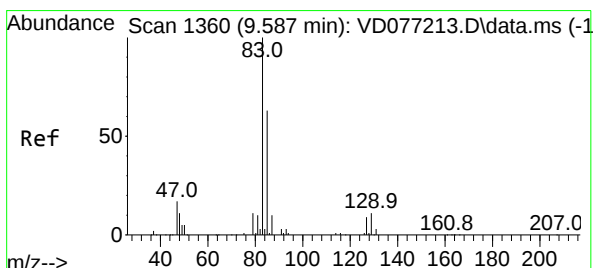
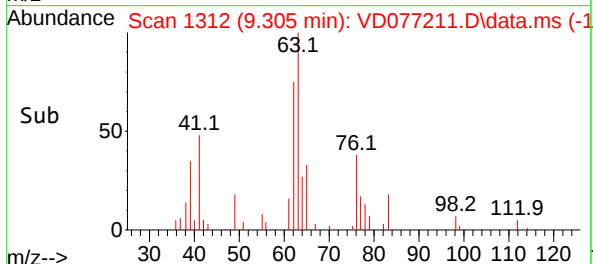
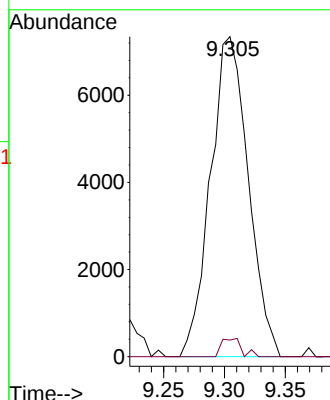
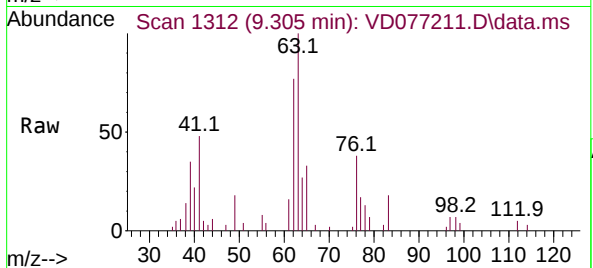
ClientSampleId :

Tgt Ion: 63 Resp: 15900

Ion Ratio Lower Upper

63 100

112 2.7 3.4 5.2#



#38

Bromodichloromethane

Concen: 3.405 ug/L

RT: 9.587 min Scan# 1360

Delta R.T. 0.000 min

Lab File: VD077211.D

Acq: 25 Sep 2023 10:28

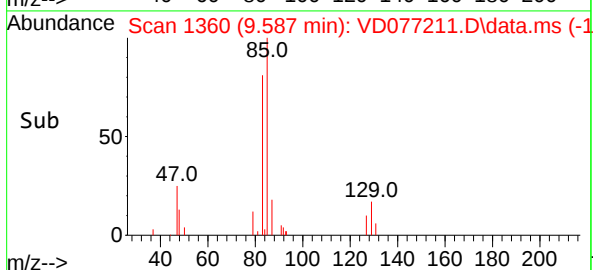
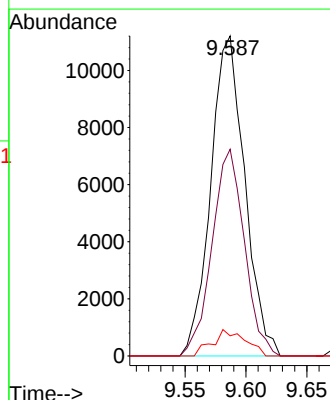
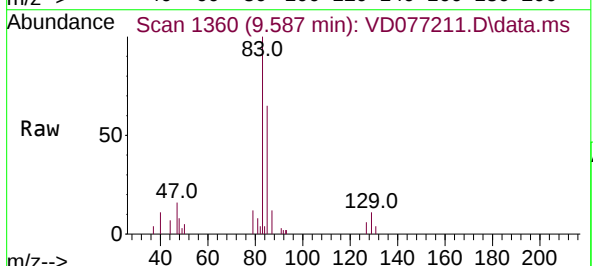
Tgt Ion: 83 Resp: 21798

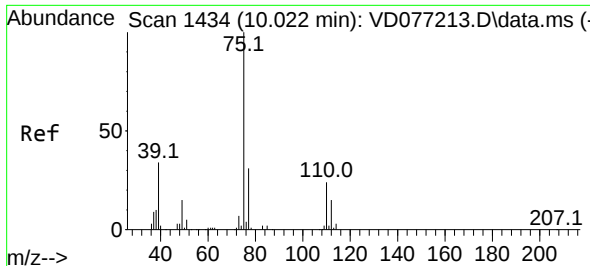
Ion Ratio Lower Upper

83 100

85 64.6 44.2 82.2

127 6.3 7.1 10.7#

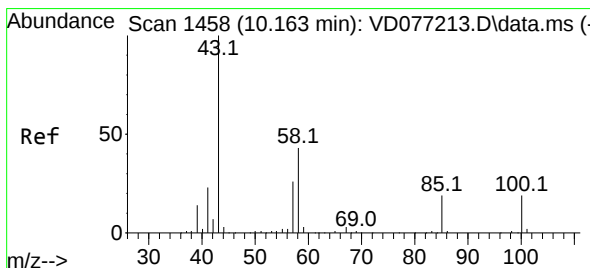
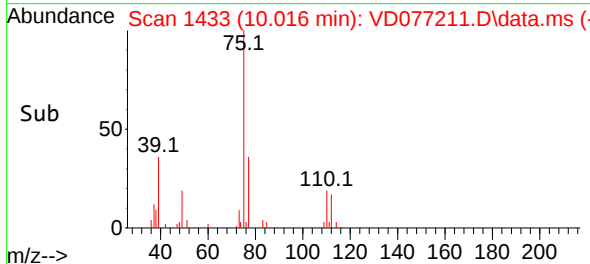
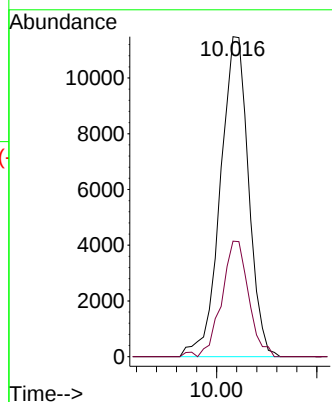
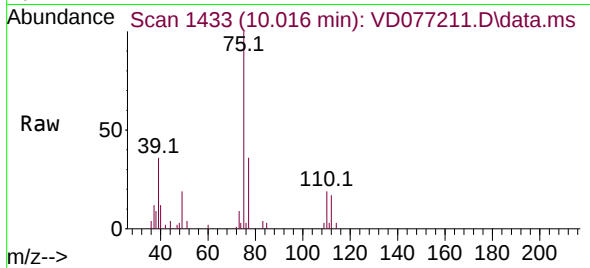




#39
cis-1,3-Dichloropropene
Concen: 3.050 ug/L
RT: 10.016 min Scan# 1433
Delta R.T. -0.006 min
Lab File: VD077211.D
Acq: 25 Sep 2023 10:28

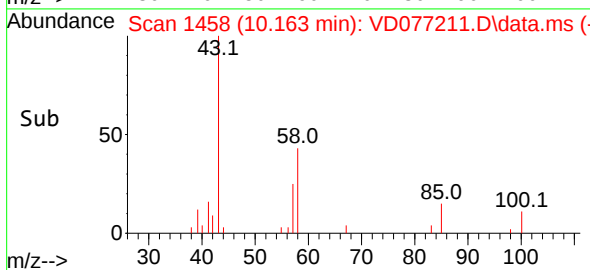
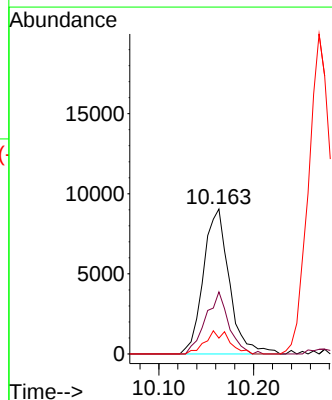
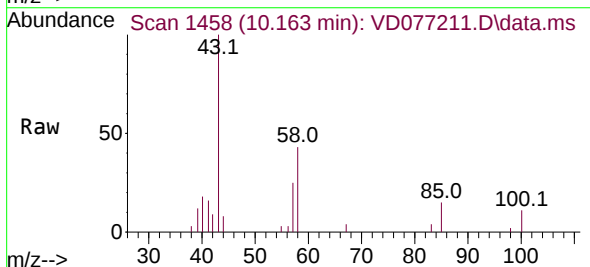
Instrument :
MSVOA_D
ClientSampleId :

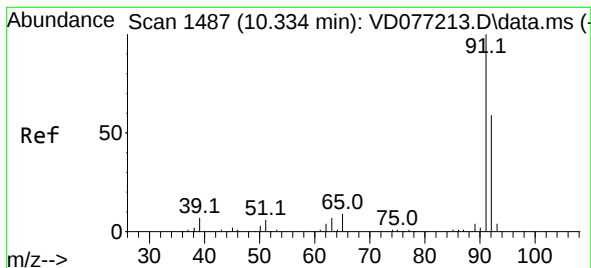
Tgt Ion: 75 Resp: 22357
Ion Ratio Lower Upper
75 100
77 36.1 22.0 41.0



#40
4-Methyl-2-pentanone
Concen: 6.590 ug/L
RT: 10.163 min Scan# 1458
Delta R.T. 0.000 min
Lab File: VD077211.D
Acq: 25 Sep 2023 10:28

Tgt Ion: 43 Resp: 17225
Ion Ratio Lower Upper
43 100
58 37.8 33.9 50.9
100 14.9 14.9 22.3#





#42

Toluene

Concen: 2.758 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD077211.D

Acq: 25 Sep 2023 10:28

Instrument :

MSVOA_D

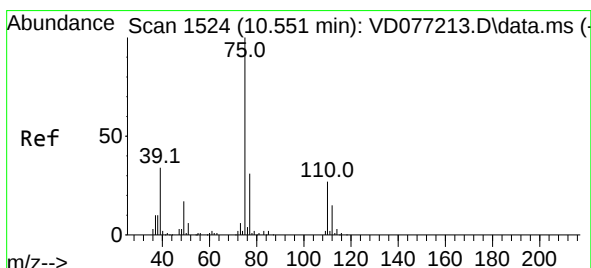
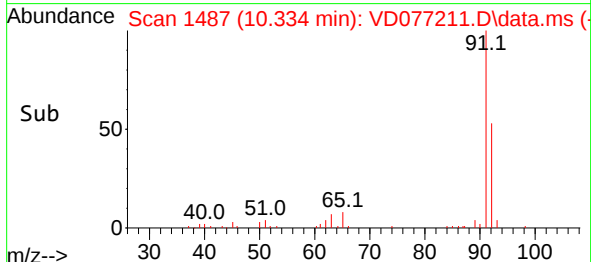
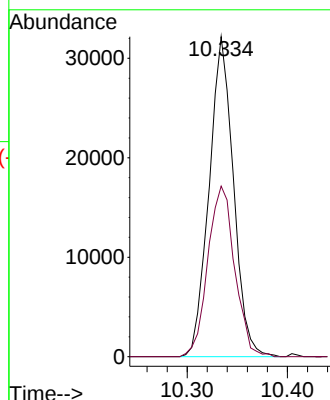
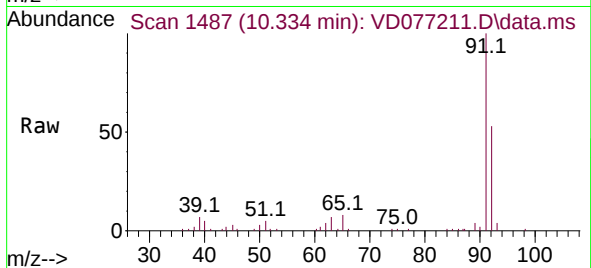
ClientSampleId :

Tgt Ion: 91 Resp: 54334

Ion Ratio Lower Upper

91 100

92 53.3 41.6 77.3



#44

trans-1,3-Dichloropropene

Concen: 2.977 ug/L

RT: 10.557 min Scan# 1525

Delta R.T. 0.006 min

Lab File: VD077211.D

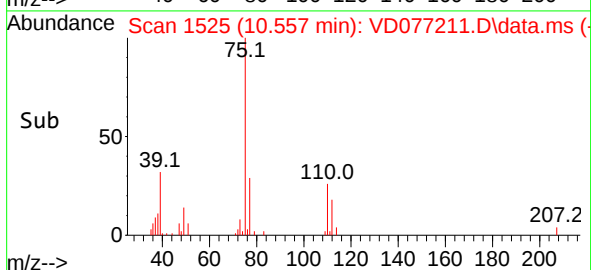
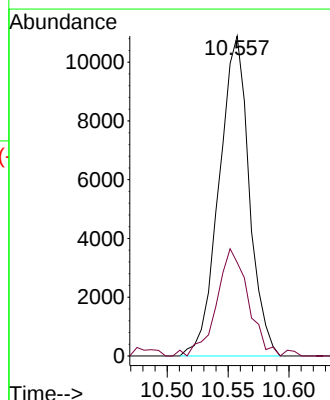
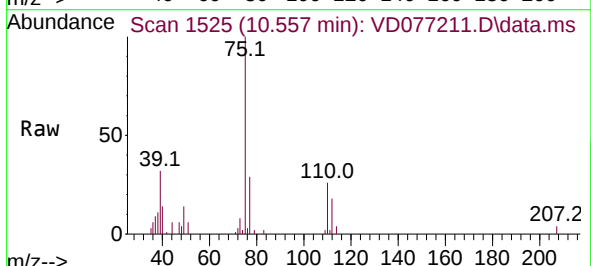
Acq: 25 Sep 2023 10:28

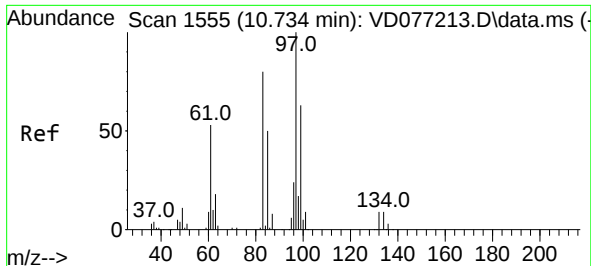
Tgt Ion: 75 Resp: 18728

Ion Ratio Lower Upper

75 100

77 29.2 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 3.549 ug/L

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD077211.D

Acq: 25 Sep 2023 10:28

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 97 Resp: 14162

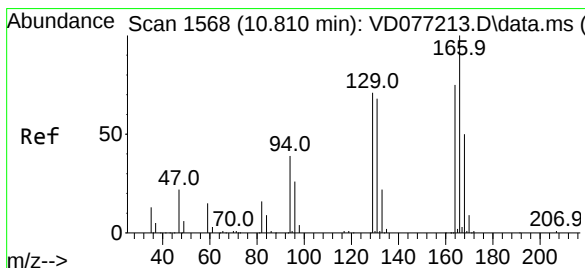
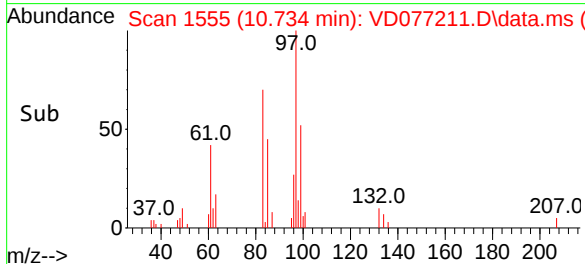
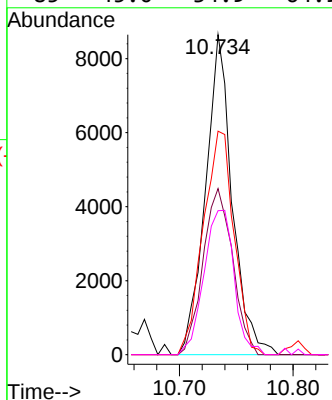
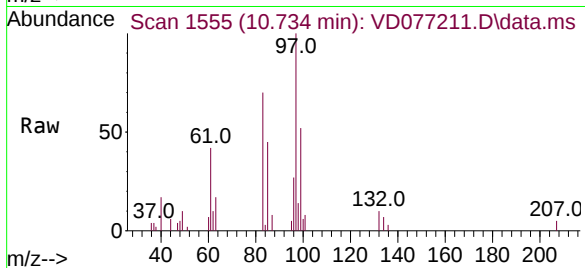
Ion Ratio Lower Upper

97 100

99 51.9 44.2 82.0

83 69.8 56.4 104.7

85 45.0 34.9 64.9



#46

Tetrachloroethene

Concen: 2.845 ug/L

RT: 10.816 min Scan# 1569

Delta R.T. 0.006 min

Lab File: VD077211.D

Acq: 25 Sep 2023 10:28

Tgt Ion:164 Resp: 11030

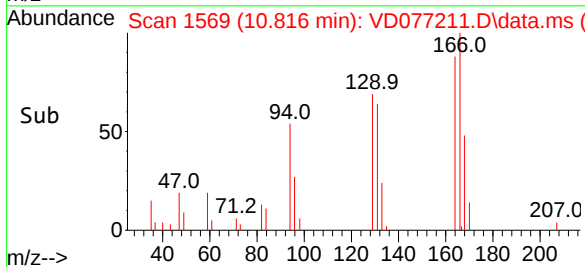
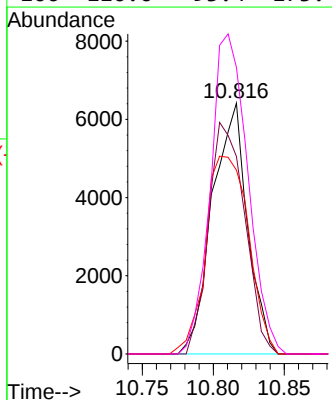
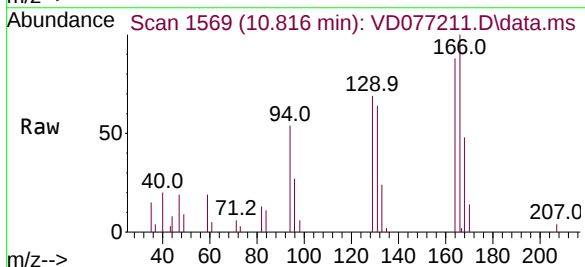
Ion Ratio Lower Upper

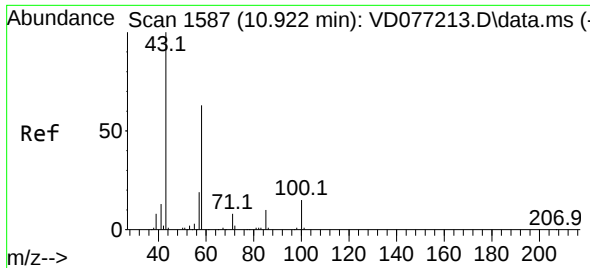
164 100

129 78.7 66.1 122.8

131 73.3 63.5 117.9

166 116.6 93.4 173.4

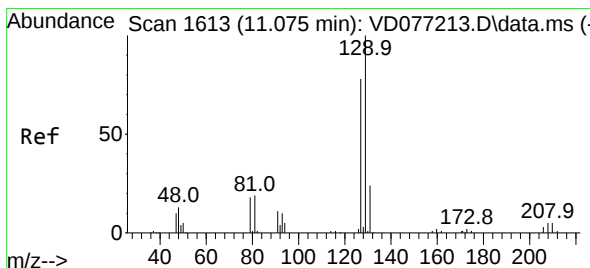
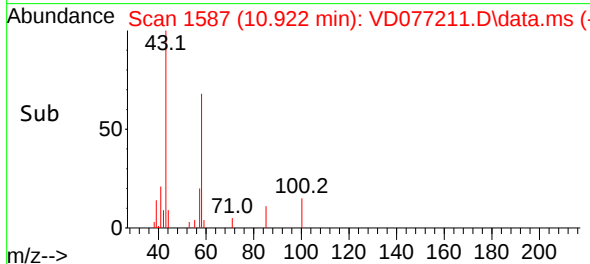
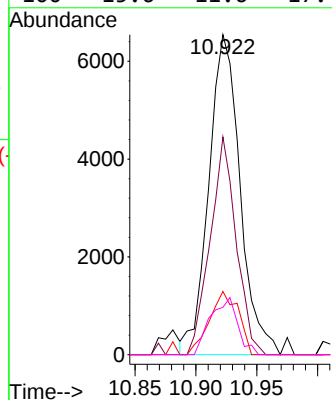
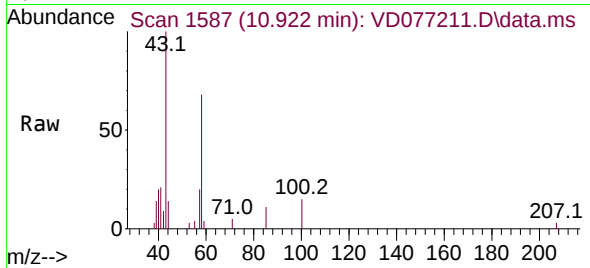




#48
2-Hexanone
Concen: 5.785 ug/L
RT: 10.922 min Scan# 11701
Delta R.T. 0.000 min
Lab File: VD077211.D
Acq: 25 Sep 2023 10:28

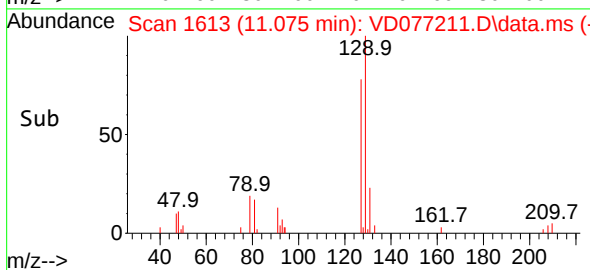
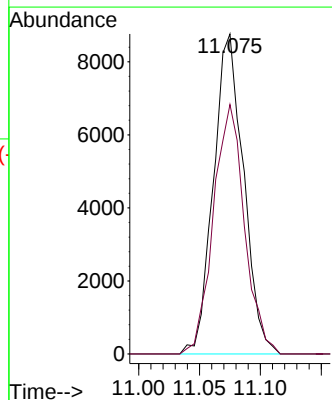
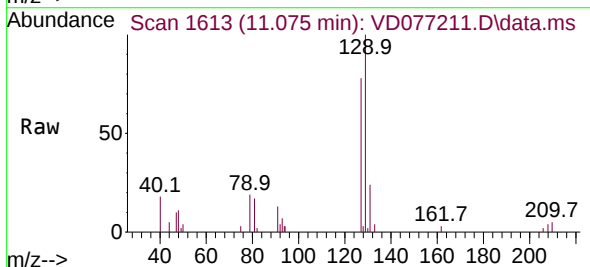
Instrument :
MSVOA_D
ClientSampleId :

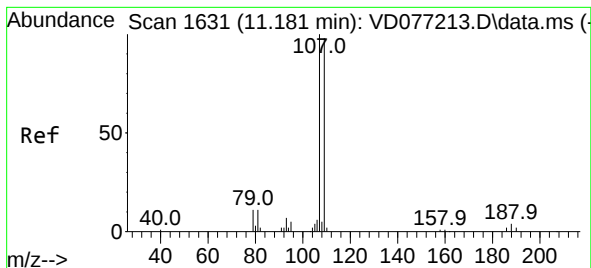
Tgt Ion: 43	Resp: 11701
Ion Ratio	Lower Upper
43 100	
58 56.6	47.8 71.8
57 18.3	15.6 23.4
100 15.6	11.6 17.4



#49
Dibromochloromethane
Concen: 3.279 ug/L
RT: 11.075 min Scan# 1613
Delta R.T. 0.000 min
Lab File: VD077211.D
Acq: 25 Sep 2023 10:28

Tgt Ion:129	Resp:	15074	
Ion	Ratio	Lower	Upper
129	100		
127	78.0	54.5	101.1





#50

1,2-Dibromoethane

Concen: 3.281 ug/L

RT: 11.175 min Scan# 1

Delta R.T. -0.006 min

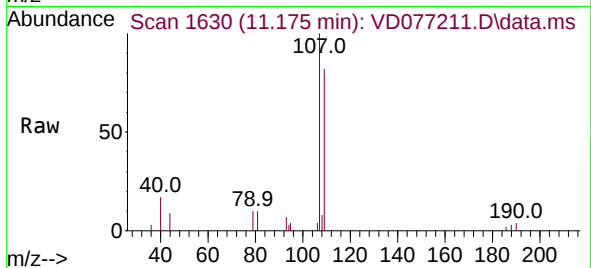
Lab File: VD077211.D

Acq: 25 Sep 2023 10:28

Instrument :

MSVOA_D

ClientSampleId :



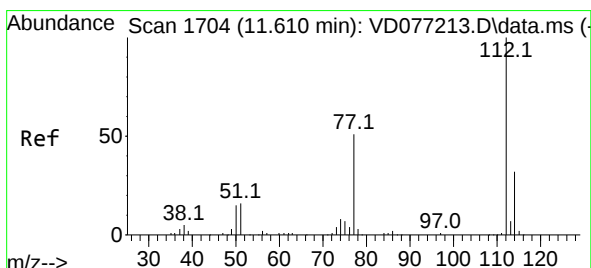
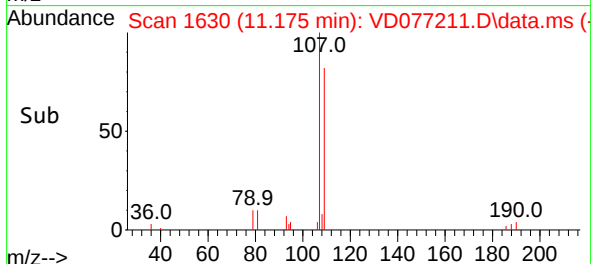
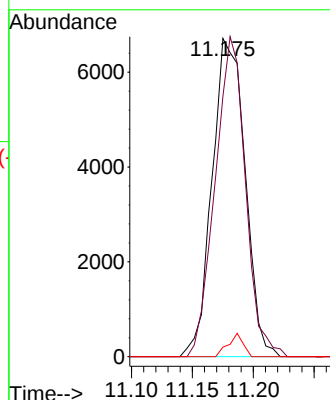
Tgt Ion:107 Resp: 12651

Ion Ratio Lower Upper

107 100

109 81.8 68.8 127.8

188 3.0 3.0 4.6#



#51

Chlorobenzene

Concen: 3.064 ug/L

RT: 11.610 min Scan# 1704

Delta R.T. 0.000 min

Lab File: VD077211.D

Acq: 25 Sep 2023 10:28

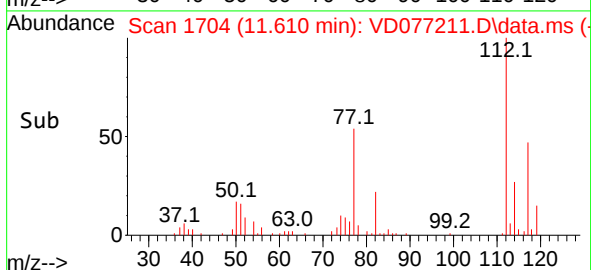
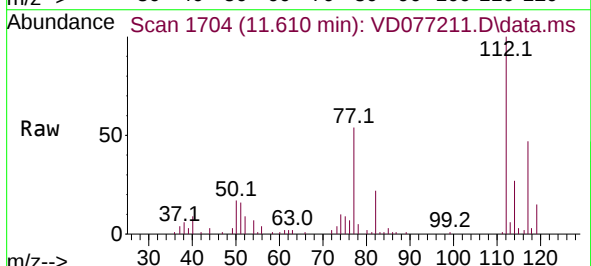
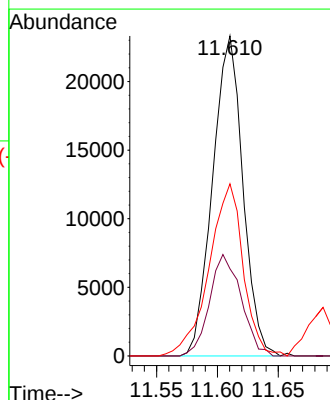
Tgt Ion:112 Resp: 40293

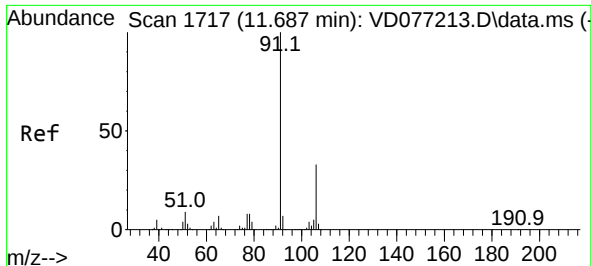
Ion Ratio Lower Upper

112 100

114 27.3 22.7 42.1

77 53.8 40.8 61.2

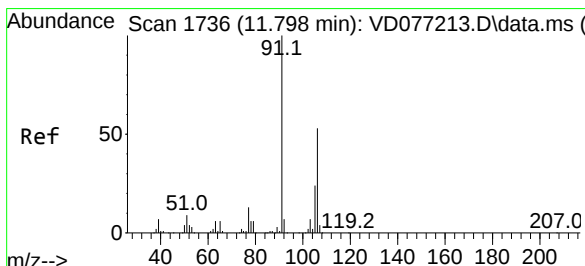
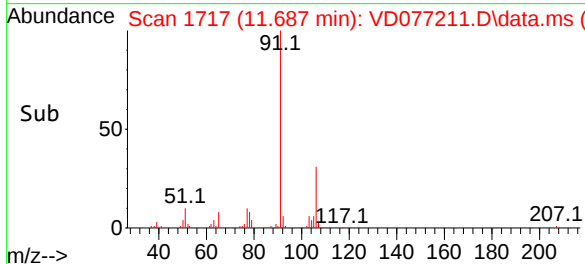
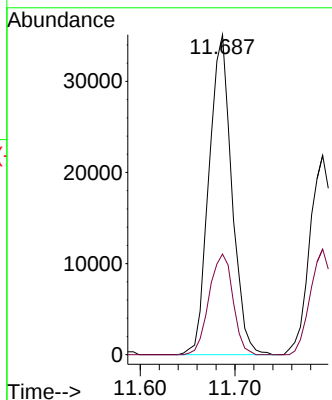
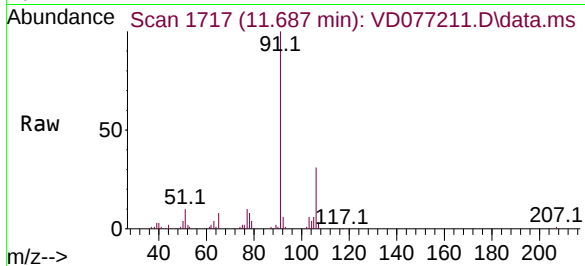




#52
Ethylbenzene
Concen: 2.767 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VD077211.D
Acq: 25 Sep 2023 10:28

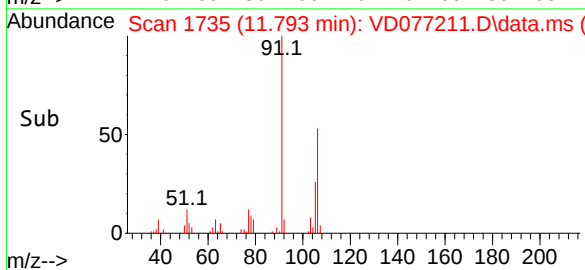
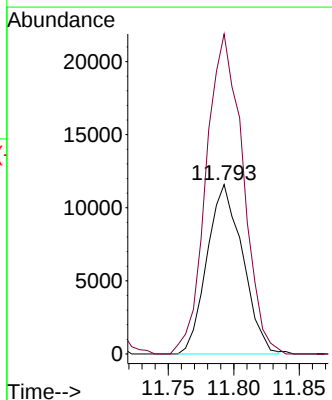
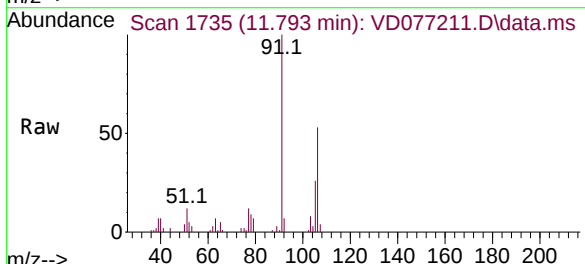
Instrument :
MSVOA_D
ClientSampleId :

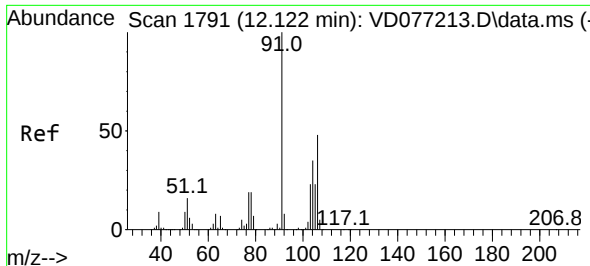
Tgt Ion: 91 Resp: 58796
Ion Ratio Lower Upper
91 100
106 31.4 23.2 43.0



#53
m,p-Xylene
Concen: 2.672 ug/L
RT: 11.793 min Scan# 1735
Delta R.T. -0.006 min
Lab File: VD077211.D
Acq: 25 Sep 2023 10:28

Tgt Ion: 106 Resp: 21930
Ion Ratio Lower Upper
106 100
91 188.8 132.8 246.6

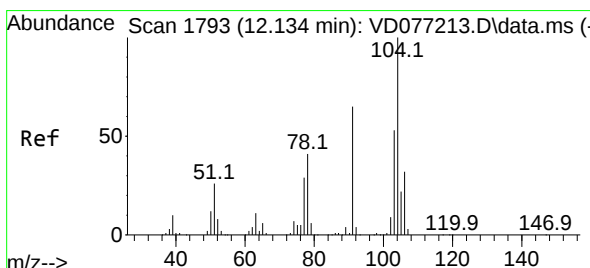
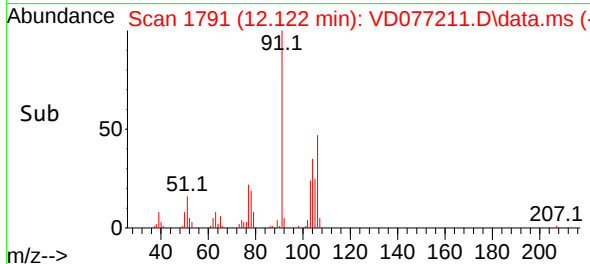
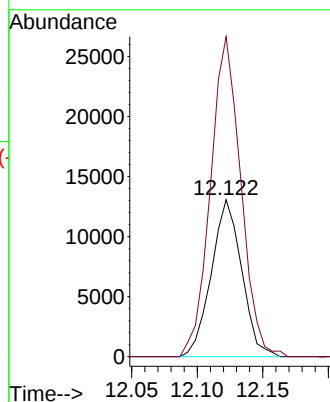
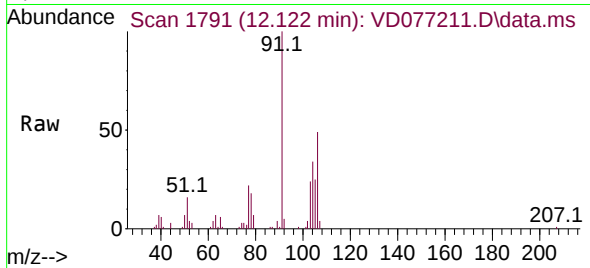




#54
o-Xylene
Concen: 2.664 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD077211.D
Acq: 25 Sep 2023 10:28

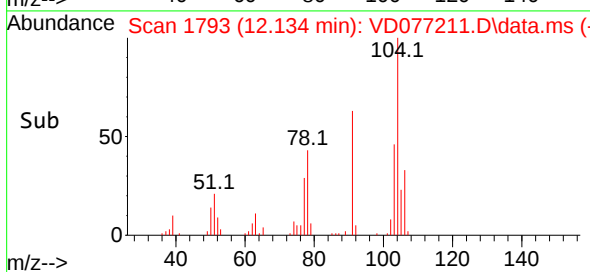
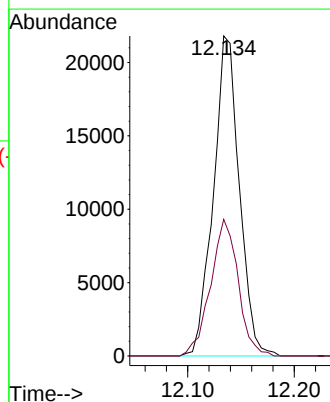
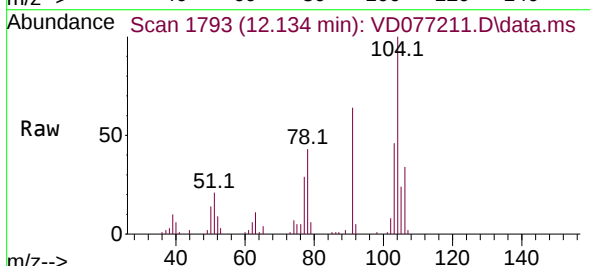
Instrument :
MSVOA_D
ClientSampleId :

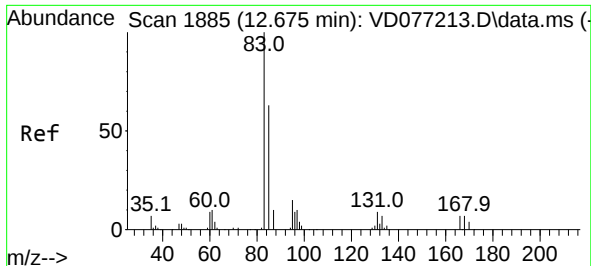
Tgt Ion:106 Resp: 21077
Ion Ratio Lower Upper
106 100
91 203.8 146.7 272.5



#55
Styrene
Concen: 2.590 ug/L
RT: 12.134 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD077211.D
Acq: 25 Sep 2023 10:28

Tgt Ion:104 Resp: 36911
Ion Ratio Lower Upper
104 100
78 42.7 29.0 53.8





#57

1,1,2,2-Tetrachloroethane

Concen: 3.440 ug/L

RT: 12.675 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VD077211.D

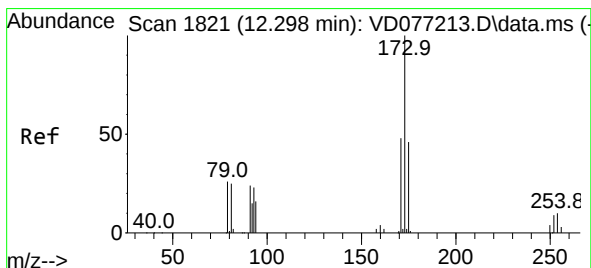
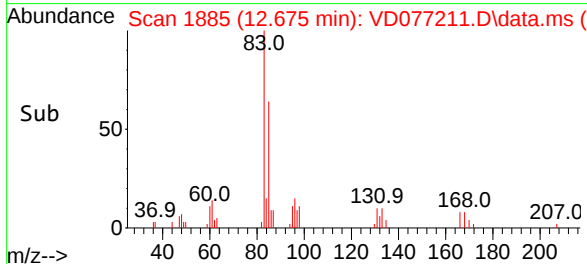
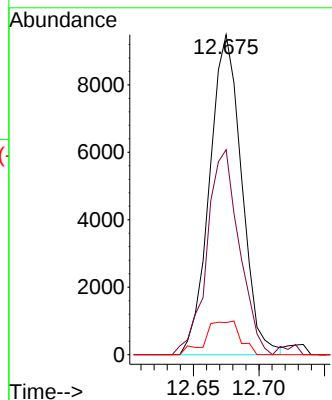
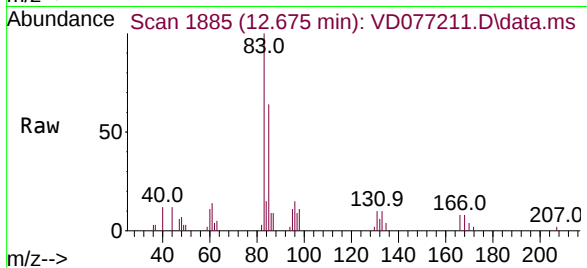
Acq: 25 Sep 2023 10:28

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	83	Resp:	16133
Ion	Ratio	Lower	Upper
83	100		
85	64.0	44.0	81.8
131	10.0	7.7	11.5



#59

Bromoform

Concen: 3.286 ug/L

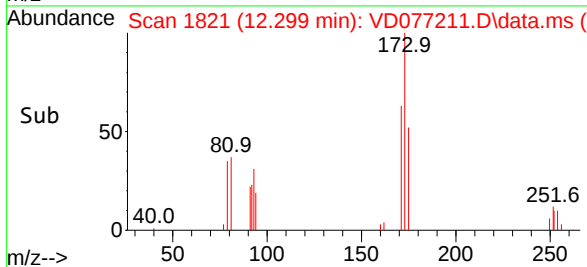
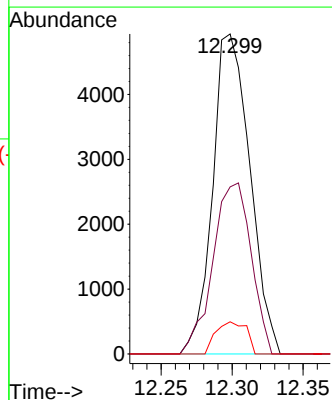
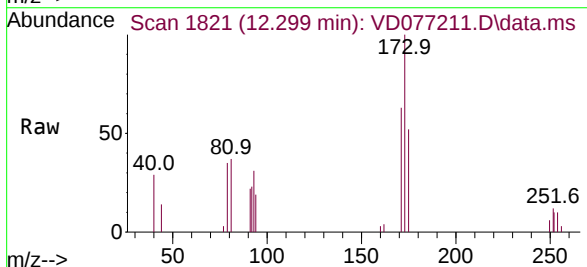
RT: 12.299 min Scan# 1821

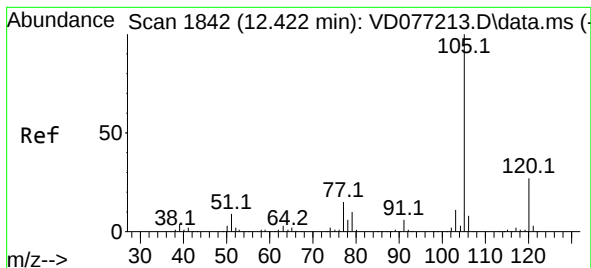
Delta R.T. 0.000 min

Lab File: VD077211.D

Acq: 25 Sep 2023 10:28

Tgt Ion:	173	Resp:	9003
Ion	Ratio	Lower	Upper
173	100		
175	54.9	39.5	59.3
254	8.2	7.1	10.7





#60

Isopropylbenzene

Concen: 2.807 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD077211.D

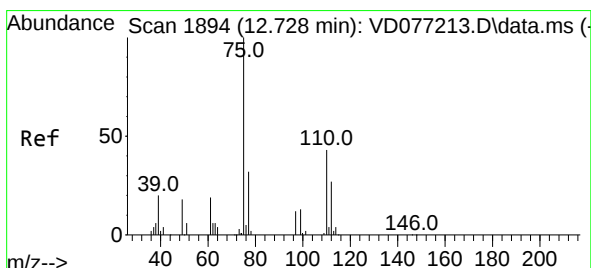
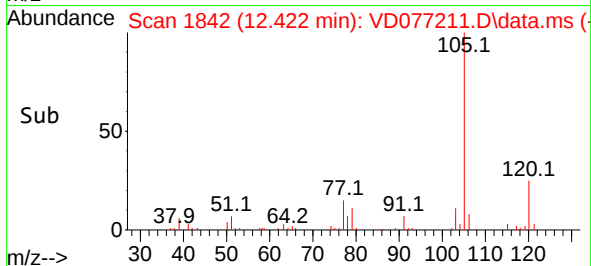
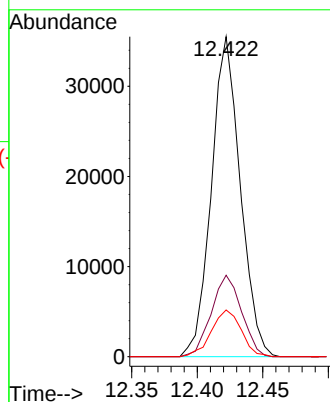
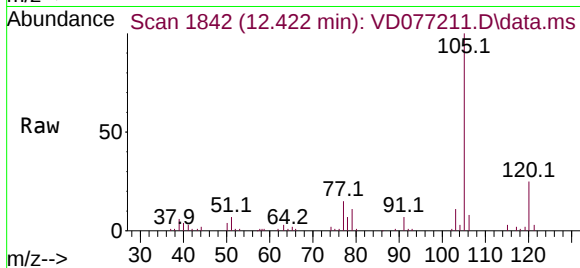
Acq: 25 Sep 2023 10:28

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	105	Resp:	54389
Ion	Ratio	Lower	Upper
105	100		
120	26.6	21.3	31.9
77	15.1	11.5	17.3



#61

1,2,3-Trichloropropane

Concen: 3.542 ug/L

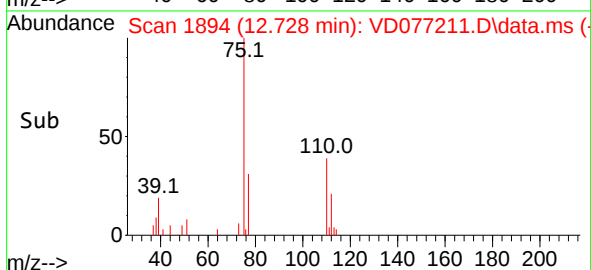
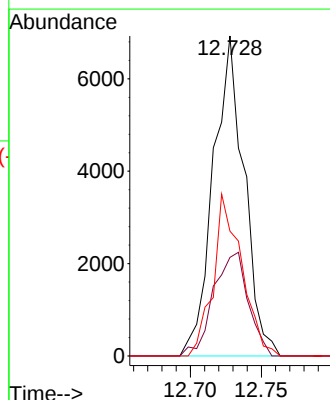
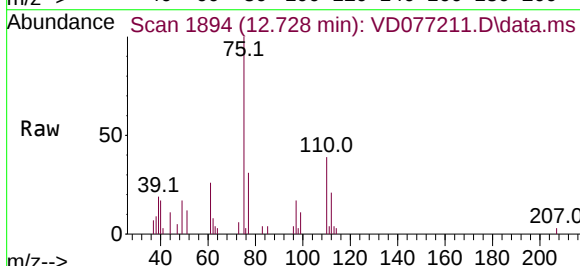
RT: 12.728 min Scan# 1894

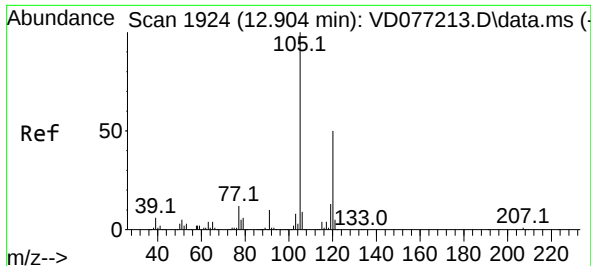
Delta R.T. 0.000 min

Lab File: VD077211.D

Acq: 25 Sep 2023 10:28

Tgt Ion:	75	Resp:	10465
Ion	Ratio	Lower	Upper
75	100		
77	36.5	25.3	37.9
110	46.7	33.8	50.8

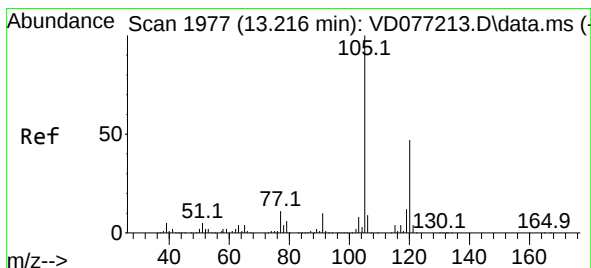
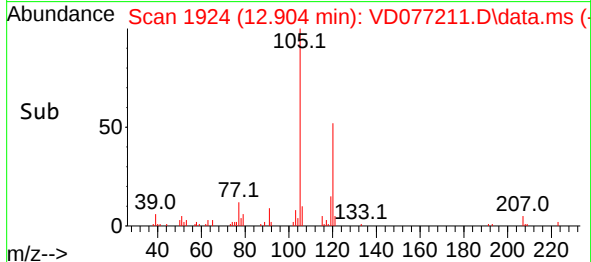
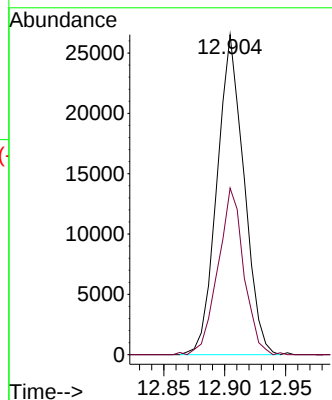
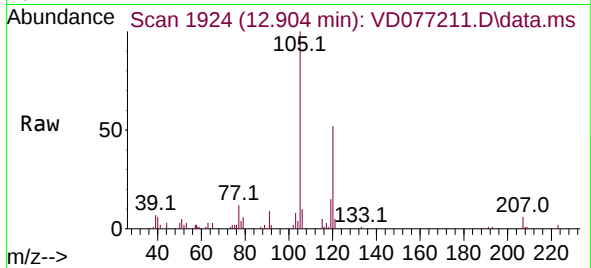




#62
1,3,5-Trimethylbenzene
Concen: 2.723 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD077211.D
Acq: 25 Sep 2023 10:28

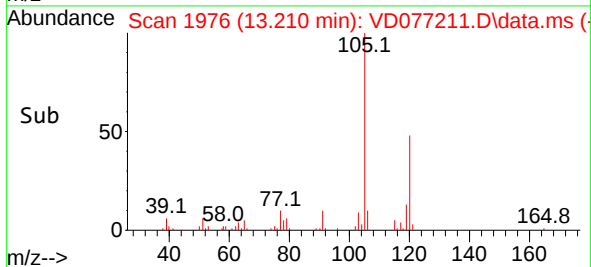
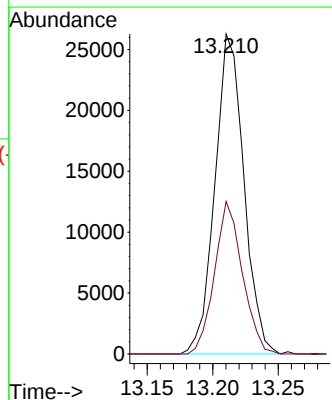
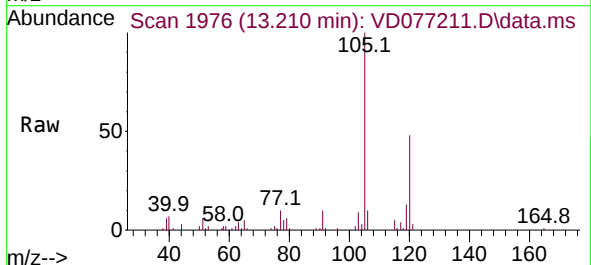
Instrument :
MSVOA_D
ClientSampleId :

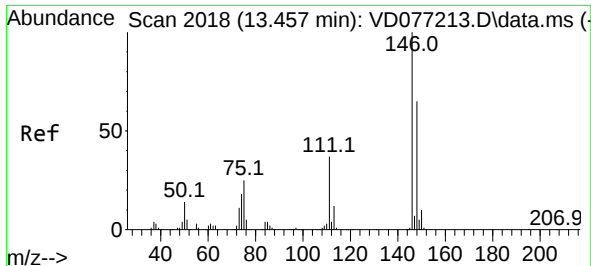
Tgt Ion:105 Resp: 40783
Ion Ratio Lower Upper
105 100
120 49.7 39.4 59.2



#63
1,2,4-Trimethylbenzene
Concen: 2.734 ug/L
RT: 13.210 min Scan# 1976
Delta R.T. -0.006 min
Lab File: VD077211.D
Acq: 25 Sep 2023 10:28

Tgt Ion:105 Resp: 40289
Ion Ratio Lower Upper
105 100
120 45.8 37.6 56.4

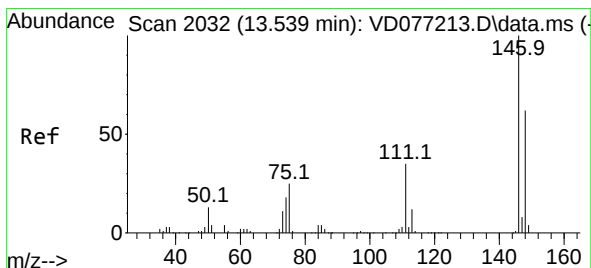
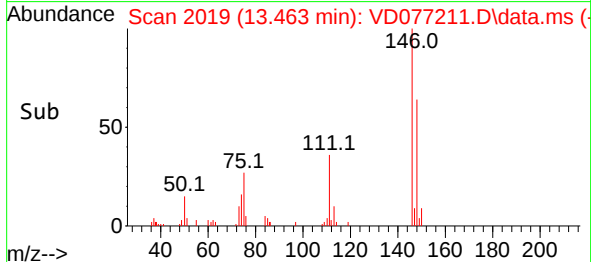
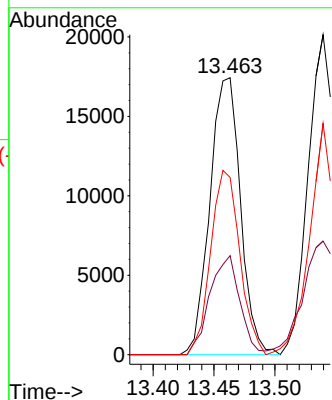
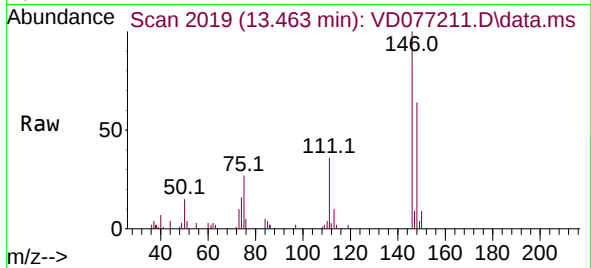




#64
1,3-Dichlorobenzene
Concen: 3.285 ug/L
RT: 13.463 min Scan# 2018
Delta R.T. 0.006 min
Lab File: VD077211.D
Acq: 25 Sep 2023 10:28

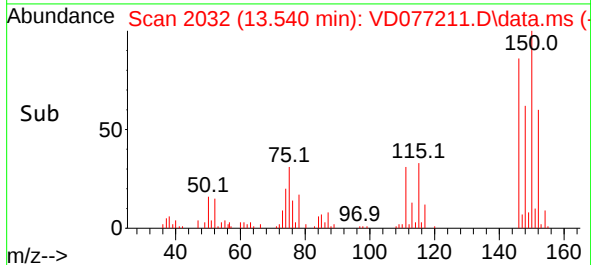
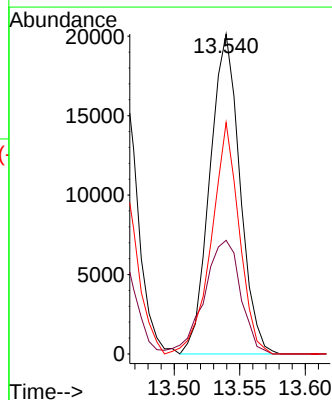
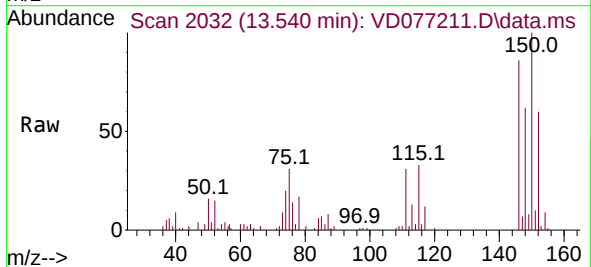
Instrument :
MSVOA_D
ClientSampleId :

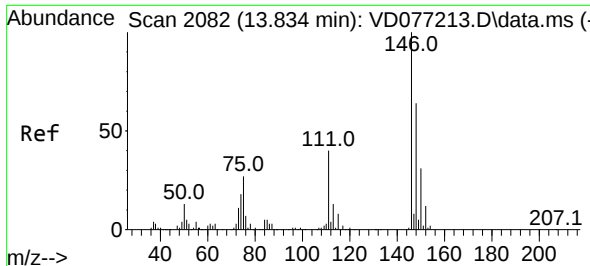
Tgt Ion:146 Resp: 30543
Ion Ratio Lower Upper
146 100
111 35.7 26.1 48.5
148 64.0 45.3 84.1



#65
1,4-Dichlorobenzene
Concen: 3.283 ug/L
RT: 13.540 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD077211.D
Acq: 25 Sep 2023 10:28

Tgt Ion:146 Resp: 32060
Ion Ratio Lower Upper
146 100
111 35.5 24.6 45.8
148 72.3 43.5 80.7

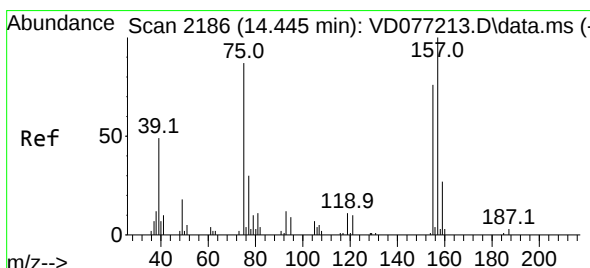
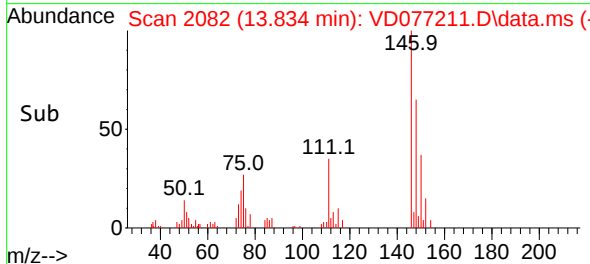
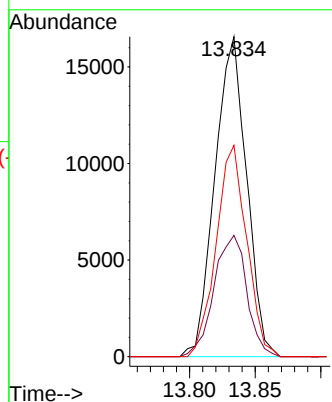
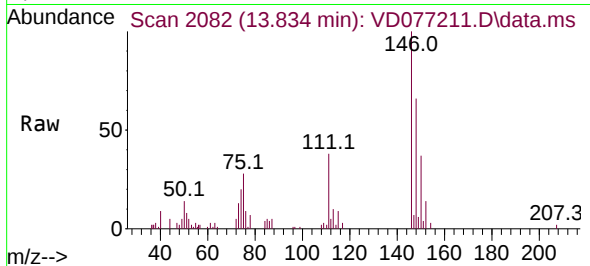




#67
 1,2-Dichlorobenzene
 Concen: 3.244 ug/L
 RT: 13.834 min Scan# 2082
 Delta R.T. 0.000 min
 Lab File: VD077211.D
 Acq: 25 Sep 2023 10:28

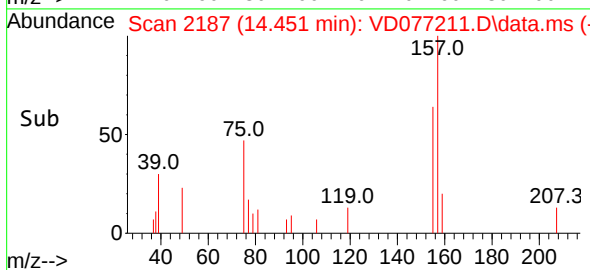
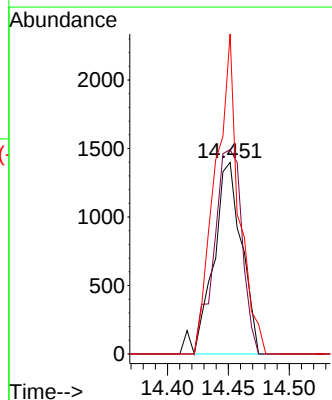
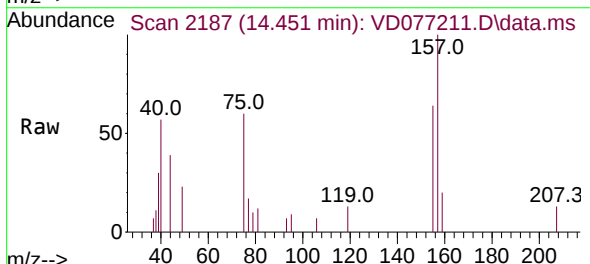
Instrument :
 MSVOA_D
 ClientSampleId :

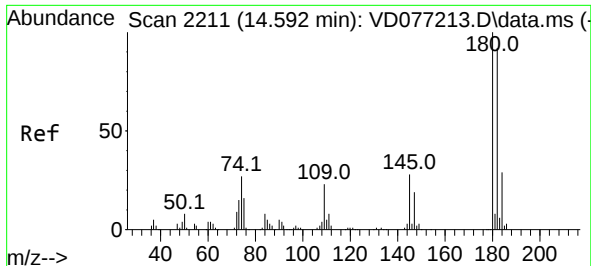
Tgt Ion:146 Resp: 27838
 Ion Ratio Lower Upper
 146 100
 111 37.9 32.3 48.5
 148 66.1 51.4 77.0



#68
 1,2-Dibromo-3-chloropropane
 Concen: 3.685 ug/L
 RT: 14.451 min Scan# 2187
 Delta R.T. 0.006 min
 Lab File: VD077211.D
 Acq: 25 Sep 2023 10:28

Tgt Ion: 75 Resp: 2262
 Ion Ratio Lower Upper
 75 100
 155 106.7 69.8 104.6#
 157 167.1 91.5 137.3#





#69

1,3,5-Trichlorobenzene

Concen: 3.213 ug/L

RT: 14.593 min Scan# 2211

Delta R.T. 0.000 min

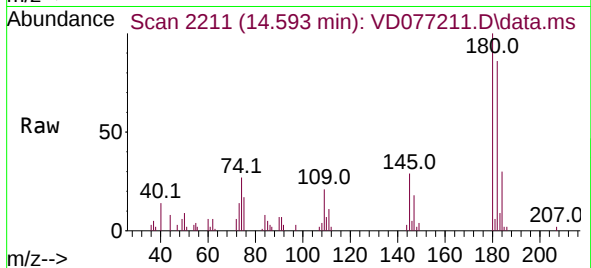
Lab File: VD077211.D

Acq: 25 Sep 2023 10:28

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:180 Resp: 19765

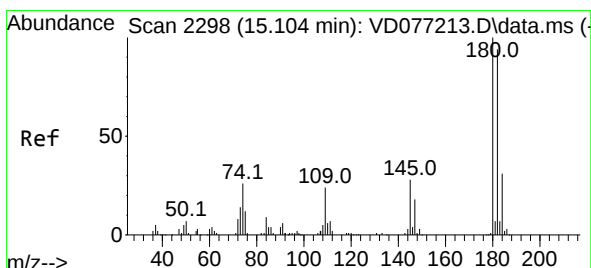
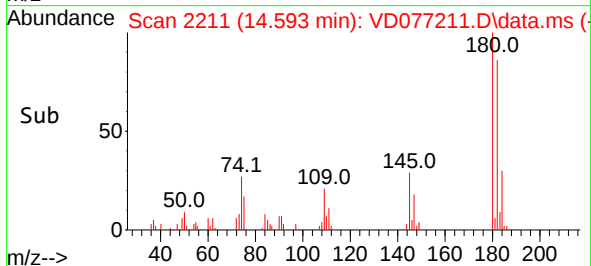
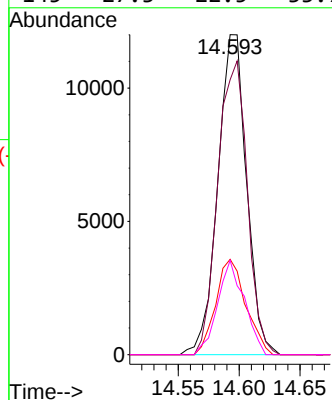
Ion Ratio Lower Upper

180 100

182 93.9 75.2 112.8

184 31.1 25.0 37.4

145 27.3 22.5 33.7



#70

1,2,4-trichlorobenzene

Concen: 3.158 ug/L

RT: 15.104 min Scan# 2298

Delta R.T. 0.000 min

Lab File: VD077211.D

Acq: 25 Sep 2023 10:28

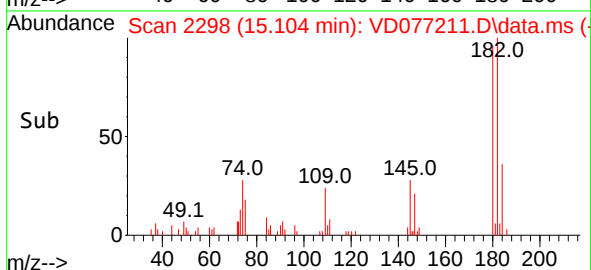
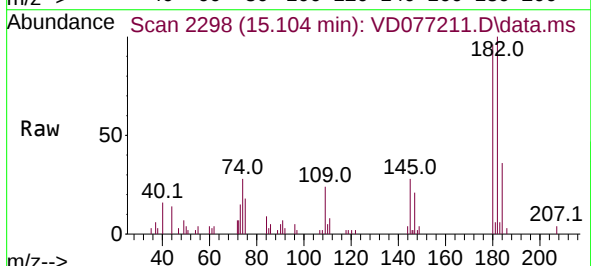
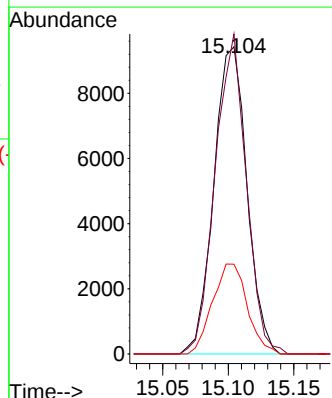
Tgt Ion:180 Resp: 16559

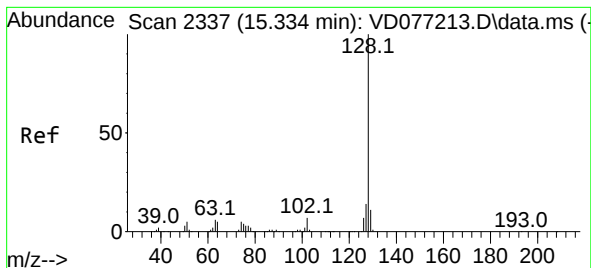
Ion Ratio Lower Upper

180 100

182 97.5 76.8 115.2

145 30.6 23.0 34.6





#71

Naphthalene

Concen: 3.068 ug/L

RT: 15.334 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD077211.D

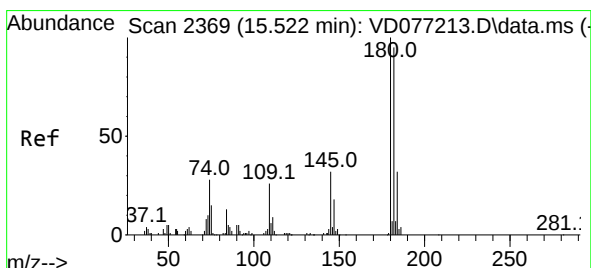
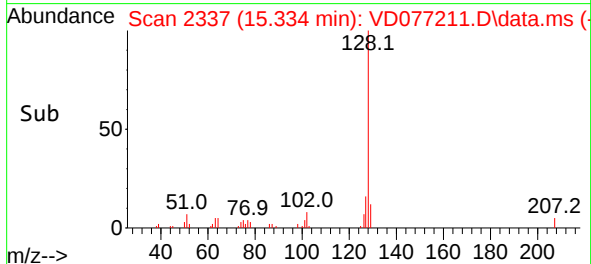
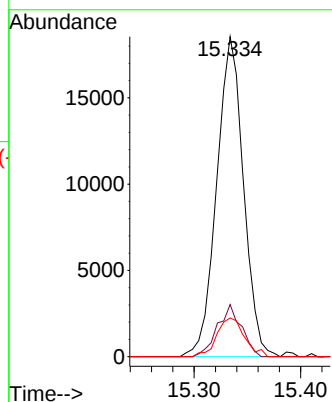
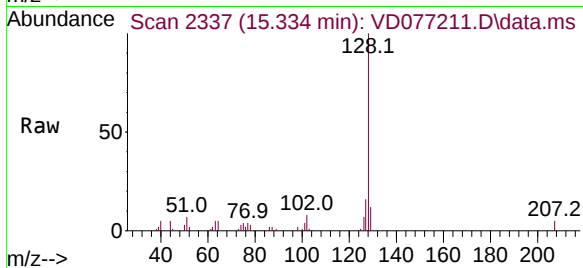
Acq: 25 Sep 2023 10:28

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:128	Resp:	32351
Ion Ratio	Lower	Upper
128	100	
127	14.6	10.5 15.7
129	12.5	8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 3.243 ug/L

RT: 15.528 min Scan# 2370

Delta R.T. 0.006 min

Lab File: VD077211.D

Acq: 25 Sep 2023 10:28

Tgt Ion:180	Resp:	15757
Ion Ratio	Lower	Upper
180	100	
182	97.7	77.4 116.2
145	31.6	25.5 38.3

