

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092523\
 Data File : VD077217.D
 Acq On : 25 Sep 2023 15:13
 Operator : JC/SY
 Sample : VSTD5.0
 Misc : 5.00G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 25 22:54:40 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	278864	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	281841	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	148588	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	53335	8.360	ug/L	0.00
7) Chloroethane-d5	2.799	69	27791	5.148	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.916	65	13717	9.106	ug/L	0.00
21) 2-Butanone-d5	6.981	46	14721	16.002	ug/L	0.00
24) Chloroform-d	7.569	84	61329	7.934	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.228	65	30950	8.428	ug/L	0.00
32) Benzene-d6	8.199	84	118653	7.700	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.210	67	36259	7.989	ug/L	0.00
41) Toluene-d8	10.269	98	102422	7.334	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.528	79	14962	7.538	ug/L	0.00
47) 2-Hexanone-d5	10.875	63	10093	13.663	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.651	84	31532	7.655	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.810	152	34687	7.343	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	28366	8.117	ug/L	99
3) Chloromethane	2.146	50	34464	5.828	ug/L	93
5) Vinyl chloride	2.281	62	39625	5.805	ug/L	97
6) Bromomethane	2.687	94	16156	3.409	ug/L	88
8) Chloroethane	2.834	64	17198	3.741	ug/L	96
9) Trichlorofluoromethane	3.169	101	44002	6.617	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	3.963	101	29017	7.080	ug/L #	47
12) 1,1-Dichloroethene	3.940	96	22351	6.041	ug/L	91
13) Acetone	4.028	43	12034	9.298	ug/L	57
14) Carbon disulfide	4.269	76	54112	4.640	ug/L	100
15) Methyl Acetate	4.569	43	12129	6.913	ug/L #	85
16) Methylene chloride	4.799	84	50566	8.869	ug/L	99
17) trans-1,2-Dichloroethene	5.311	96	14820	3.614	ug/L	95
18) Methyl tert-butyl Ether	5.322	73	53376	5.896	ug/L #	93
19) 1,1-Dichloroethane	6.105	63	46805	6.619	ug/L	98
20) cis-1,2-Dichloroethene	7.069	96	14045	2.952	ug/L	95
22) 2-Butanone	7.075	43	17345	11.210	ug/L #	64
23) Bromochloromethane	7.434	128	7296	3.210	ug/L	80
25) Chloroform	7.599	83	51657	6.567	ug/L	92
27) 1,2-Dichloroethane	8.328	62	30319	6.419	ug/L	96
29) Cyclohexane	7.875	56	27577	5.373	ug/L	98
30) 1,1,1-Trichloroethane	7.799	97	42637	6.424	ug/L	99
31) Carbon tetrachloride	7.987	117	34472	6.207	ug/L	96
33) Benzene	8.252	78	98771	5.771	ug/L	100
34) Trichloroethene	9.028	95	27534	6.130	ug/L	94
35) Methylcyclohexane	9.269	83	35589	5.297	ug/L	97
37) 1,2-Dichloropropane	9.304	63	28807	6.525	ug/L	99
38) Bromodichloromethane	9.587	83	38133	6.324	ug/L #	91
39) cis-1,3-Dichloropropene	10.016	75	39889	5.777	ug/L	99
40) 4-Methyl-2-pentanone	10.157	43	29934	12.157	ug/L	99
42) Toluene	10.334	91	106323	5.729	ug/L	98
44) trans-1,3-Dichloropropene	10.551	75	35567	6.002	ug/L	96

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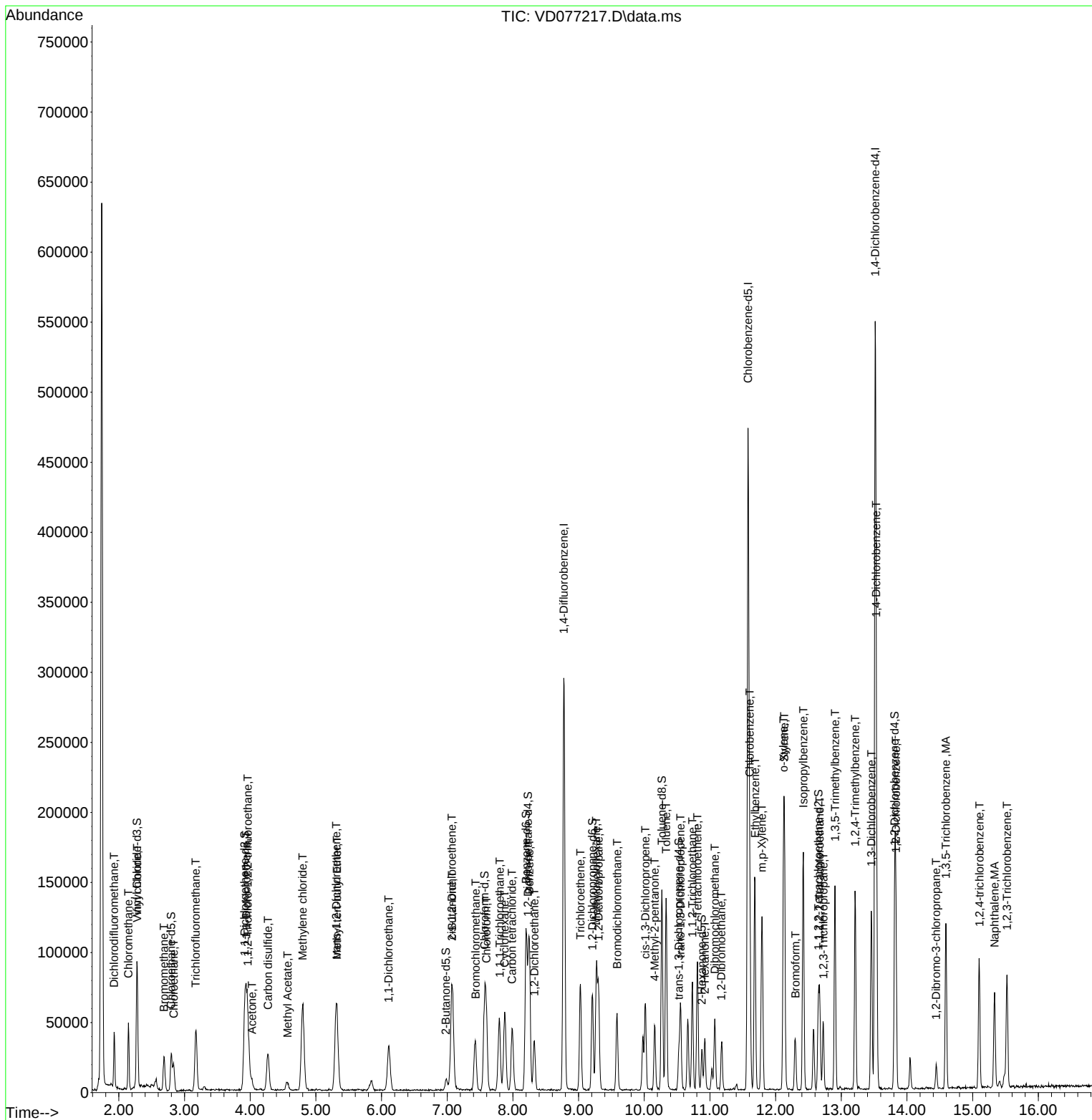
Instrument :
 MSVOA_D
 ClientSampleId :

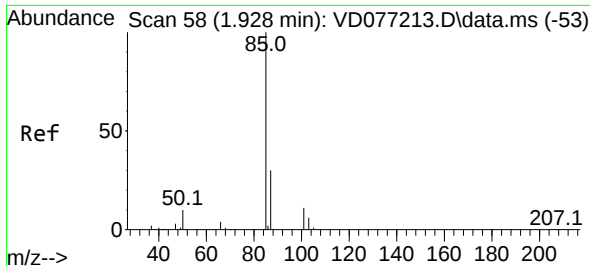
Quant Time: Sep 25 22:54:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM092523SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Sep 25 22:51:27 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.734	97	24123	6.418	ug/L	96
46) Tetrachloroethene	10.810	164	21087	5.774	ug/L	90
48) 2-Hexanone	10.922	43	23334	12.246	ug/L	99
49) Dibromochloromethane	11.075	129	26387	6.094	ug/L	94
50) 1,2-Dibromoethane	11.175	107	22792	6.275	ug/L	99
51) Chlorobenzene	11.604	112	77684	6.271	ug/L	96
52) Ethylbenzene	11.687	91	113486	5.670	ug/L	98
53) m,p-Xylene	11.793	106	42007	5.433	ug/L	98
54) o-Xylene	12.122	106	40497	5.434	ug/L	98
55) Styrene	12.134	104	73075	5.444	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.669	83	29774	6.740	ug/L	97
59) Bromoform	12.304	173	17485	6.436	ug/L	96
60) Isopropylbenzene	12.422	105	111144	5.785	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	20658	7.051	ug/L	96
62) 1,3,5-Trimethylbenzene	12.904	105	77771	5.235	ug/L	98
63) 1,2,4-Trimethylbenzene	13.210	105	75089	5.138	ug/L	96
64) 1,3-Dichlorobenzene	13.457	146	55621	6.031	ug/L	94
65) 1,4-Dichlorobenzene	13.534	146	60562	6.254	ug/L	99
67) 1,2-Dichlorobenzene	13.834	146	51022	5.995	ug/L	90
68) 1,2-Dibromo-3-chloropr...	14.445	75	4409	7.242	ug/L #	68
69) 1,3,5-Trichlorobenzene	14.592	180	36118	5.921	ug/L	97
70) 1,2,4-trichlorobenzene	15.104	180	30660	5.895	ug/L	99
71) Naphthalene	15.334	128	61018	5.835	ug/L	98
72) 1,2,3-Trichlorobenzene	15.522	180	28417	5.897	ug/L	99

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

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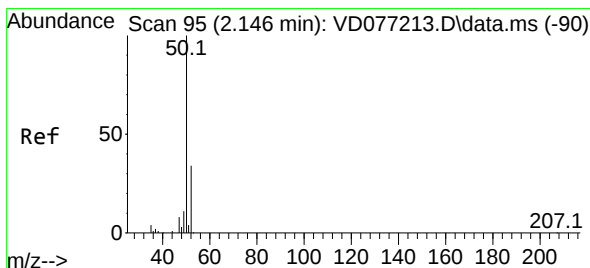
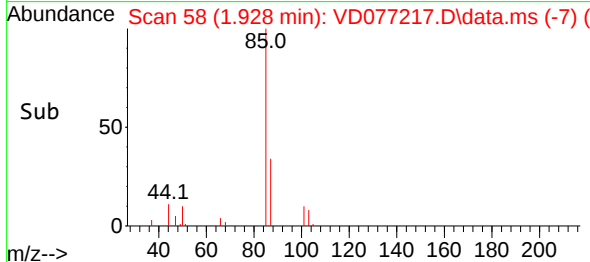
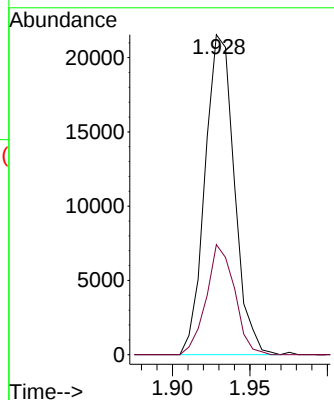
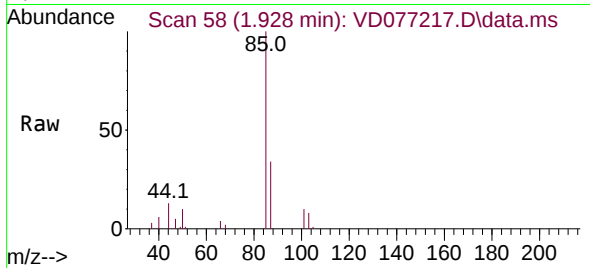




#2
Dichlorodifluoromethane
Concen: 8.117 ug/L
RT: 1.928 min Scan# 58
Delta R.T. 0.000 min
Lab File: VD077217.D
Acq: 25 Sep 2023 15:13

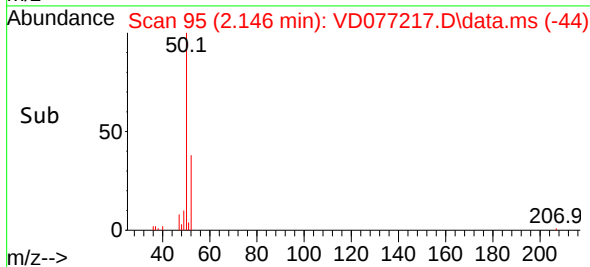
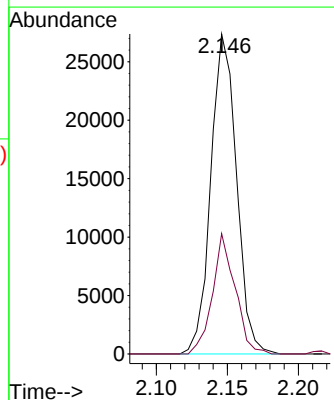
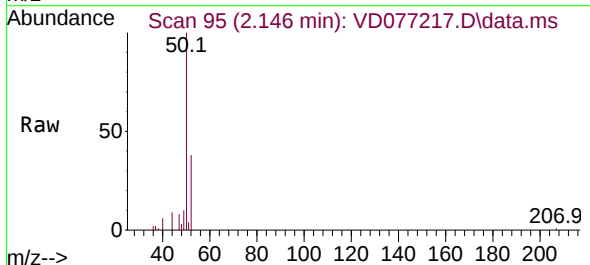
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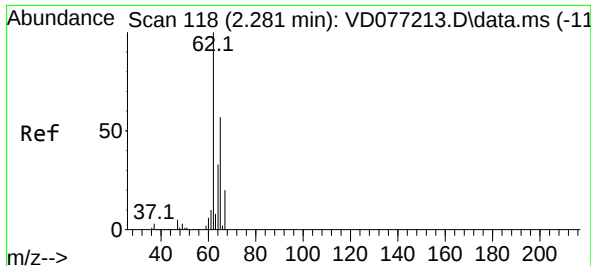
Tgt Ion: 85 Resp: 28366
Ion Ratio Lower Upper
85 100
87 33.1 25.9 38.9



#3
Chloromethane
Concen: 5.828 ug/L
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD077217.D
Acq: 25 Sep 2023 15:13

Tgt Ion: 50 Resp: 34464
Ion Ratio Lower Upper
50 100
52 37.6 23.6 43.8

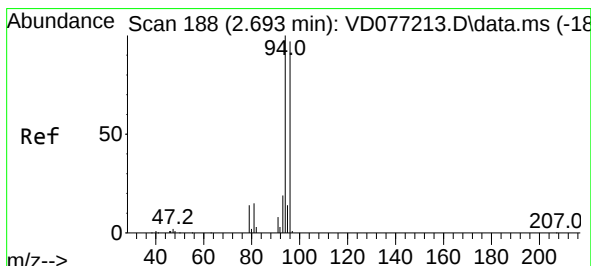
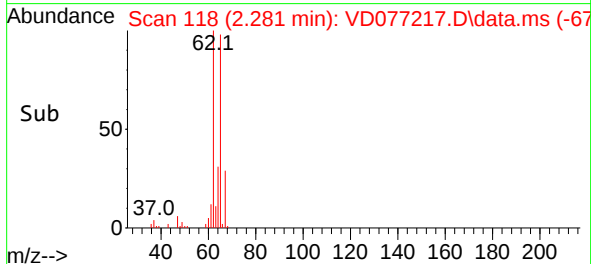
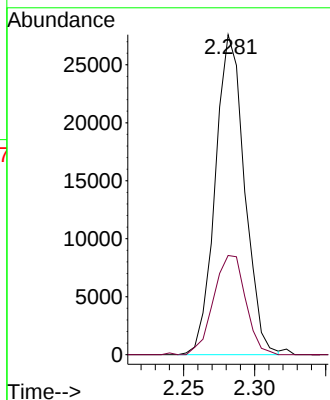
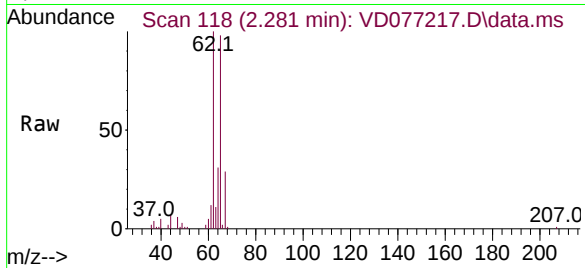




#5
 Vinyl chloride
 Concen: 5.805 ug/L
 RT: 2.281 min Scan# 118
 Delta R.T. 0.000 min
 Lab File: VD077217.D
 Acq: 25 Sep 2023 15:13

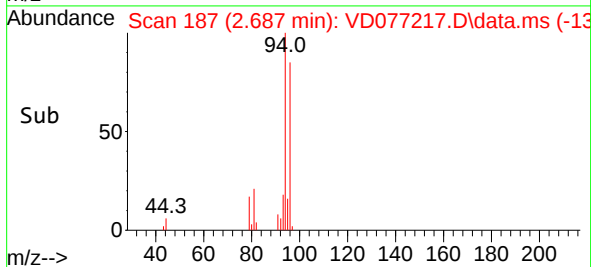
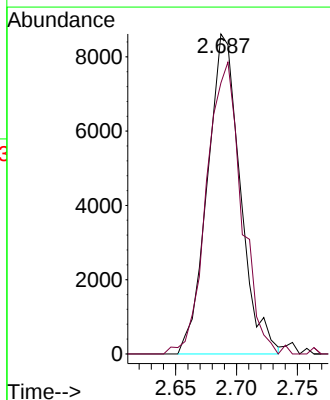
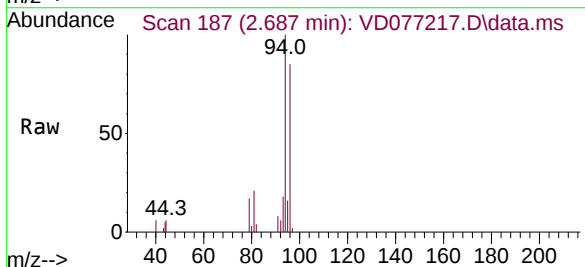
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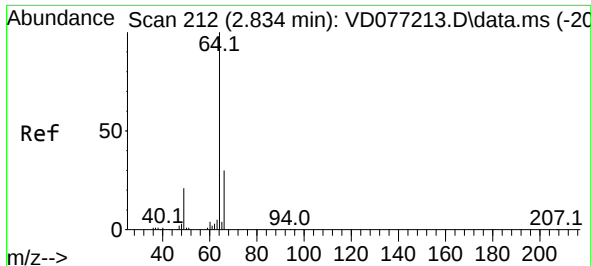
Tgt Ion: 62 Resp: 39625
 Ion Ratio Lower Upper
 62 100
 64 31.0 23.0 42.8



#6
 Bromomethane
 Concen: 3.409 ug/L
 RT: 2.687 min Scan# 187
 Delta R.T. -0.006 min
 Lab File: VD077217.D
 Acq: 25 Sep 2023 15:13

Tgt Ion: 94 Resp: 16156
 Ion Ratio Lower Upper
 94 100
 96 84.7 67.8 125.8

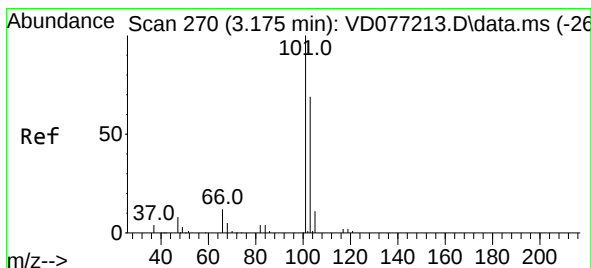
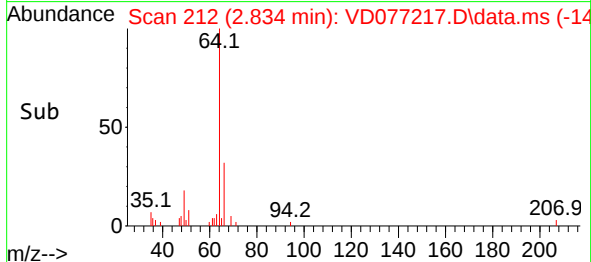
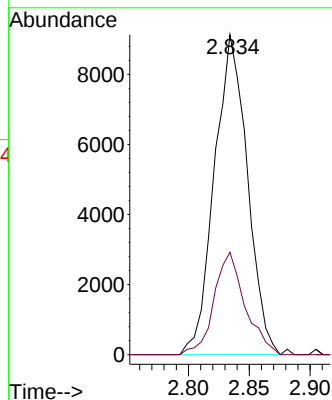
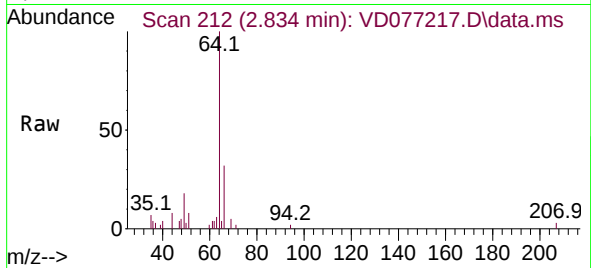




#8
Chloroethane
Concen: 3.741 ug/L
RT: 2.834 min Scan# 212
Delta R.T. 0.000 min
Lab File: VD077217.D
Acq: 25 Sep 2023 15:13

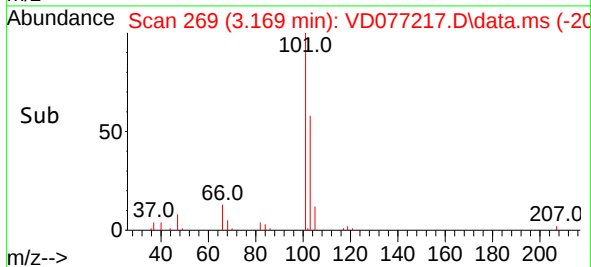
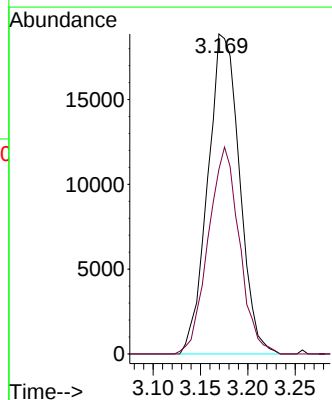
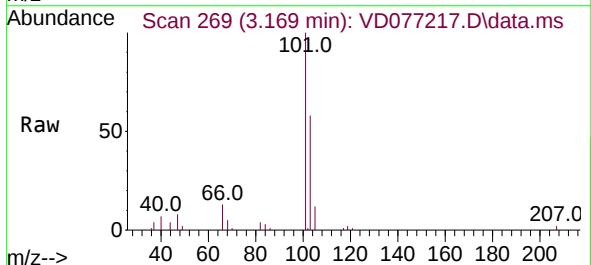
Instrument :
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ClientSampleId :

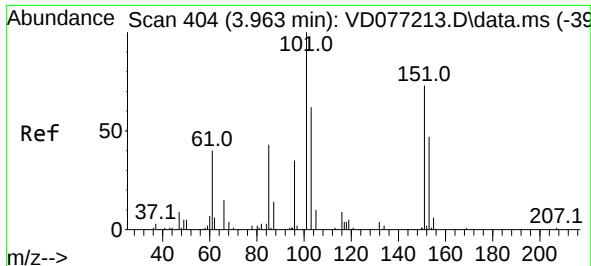
Tgt Ion: 64 Resp: 17198
Ion Ratio Lower Upper
64 100
66 32.0 20.8 38.6



#9
Trichlorofluoromethane
Concen: 6.617 ug/L
RT: 3.169 min Scan# 269
Delta R.T. -0.006 min
Lab File: VD077217.D
Acq: 25 Sep 2023 15:13

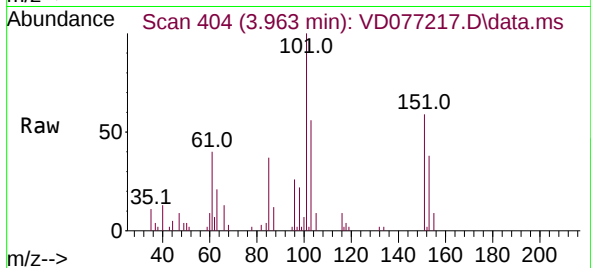
Tgt Ion: 101 Resp: 44002
Ion Ratio Lower Upper
101 100
103 63.5 52.9 79.3



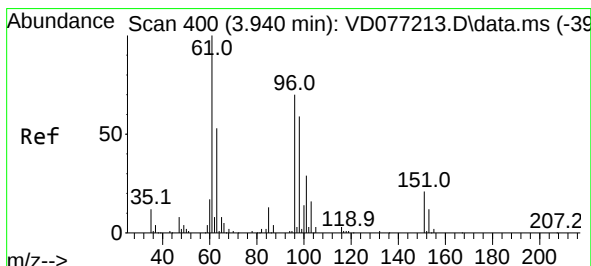
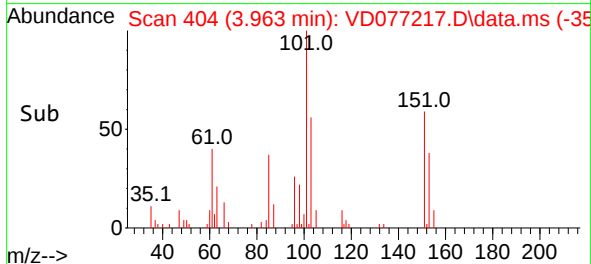
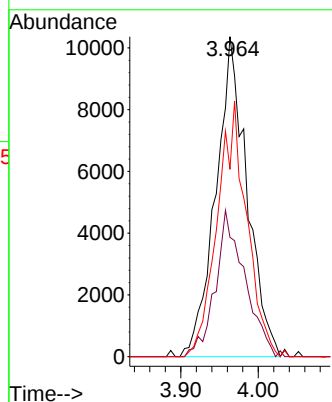


#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 7.080 ug/L
 RT: 3.963 min Scan# 404
 Delta R.T. 0.000 min
 Lab File: VD077217.D
 Acq: 25 Sep 2023 15:13

Instrument :
 MSVOA_D
 ClientSampleId :

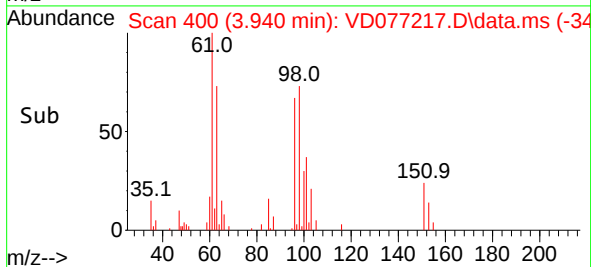
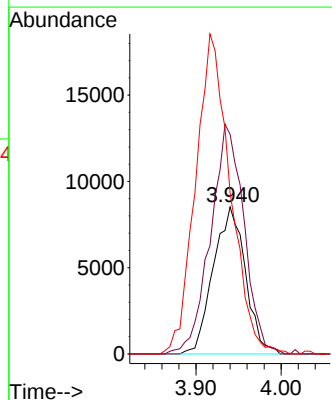
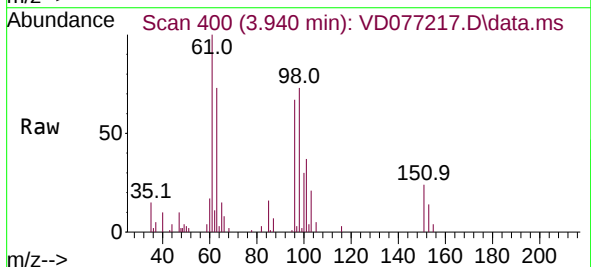


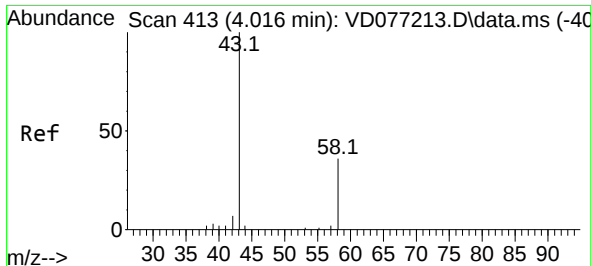
Tgt Ion:	101	Resp:	29017
Ion	Ratio	Lower	Upper
101	100		
85	0.0	35.3	52.9#
151	38.0	59.9	89.9#



#12
 1,1-Dichloroethene
 Concen: 6.041 ug/L
 RT: 3.940 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VD077217.D
 Acq: 25 Sep 2023 15:13

Tgt Ion:	96	Resp:	22351
Ion	Ratio	Lower	Upper
96	100		
61	149.3	102.1	189.5
63	109.5	63.3	117.5





#13

Acetone

Concen: 9.298 ug/L

RT: 4.028 min Scan# 413

Delta R.T. 0.012 min

Lab File: VD077217.D

Acq: 25 Sep 2023 15:13

Instrument :

MSVOA_D

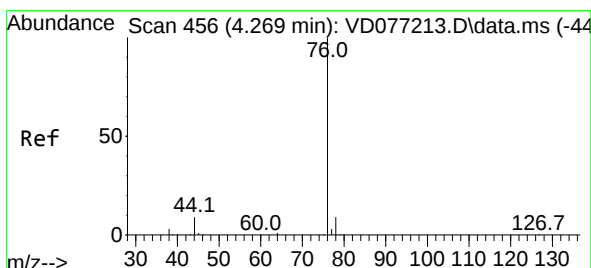
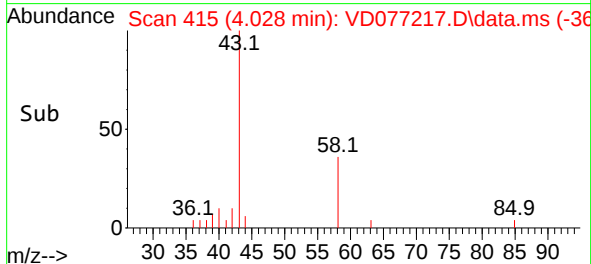
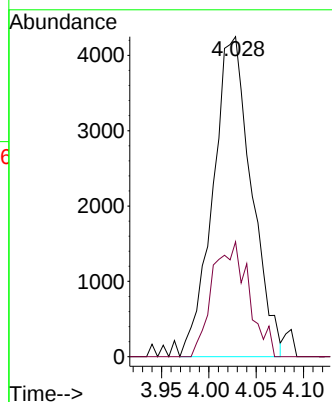
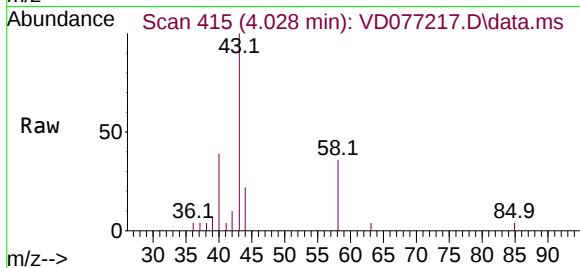
ClientSampleId :

Tgt Ion: 43 Resp: 12034

Ion Ratio Lower Upper

43 100

58 11.2 0.0 74.0



#14

Carbon disulfide

Concen: 4.640 ug/L

RT: 4.269 min Scan# 456

Delta R.T. 0.000 min

Lab File: VD077217.D

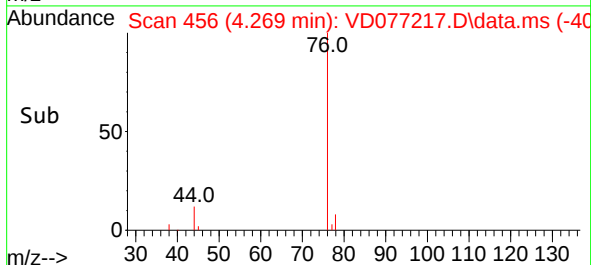
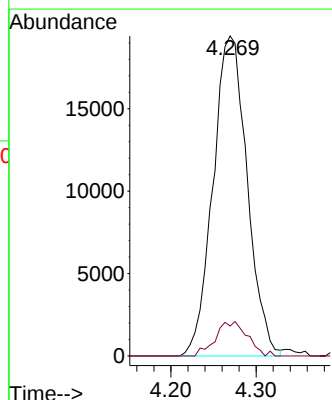
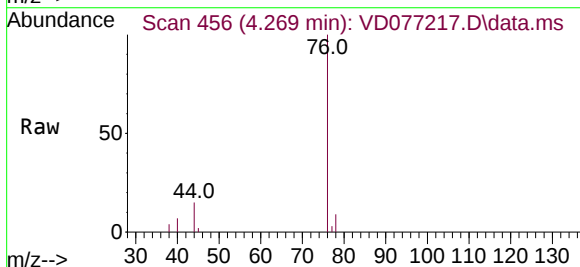
Acq: 25 Sep 2023 15:13

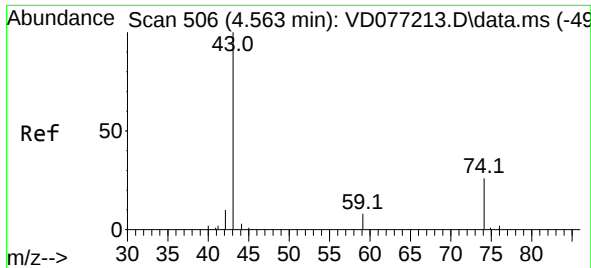
Tgt Ion: 76 Resp: 54112

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3

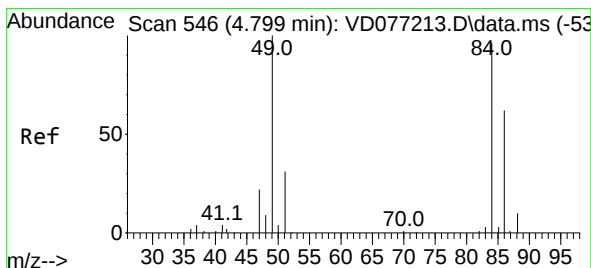
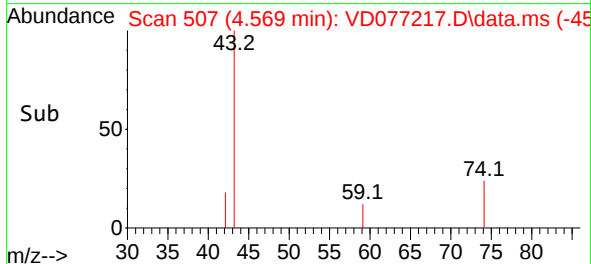
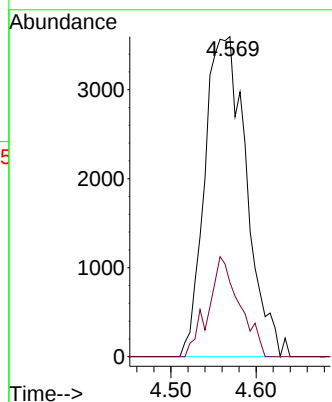
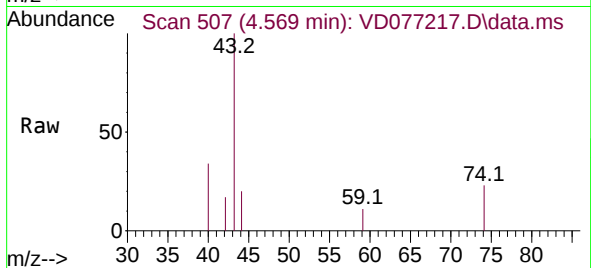




#15
Methyl Acetate
Concen: 6.913 ug/L
RT: 4.569 min Scan# 506
Delta R.T. 0.006 min
Lab File: VD077217.D
Acq: 25 Sep 2023 15:13

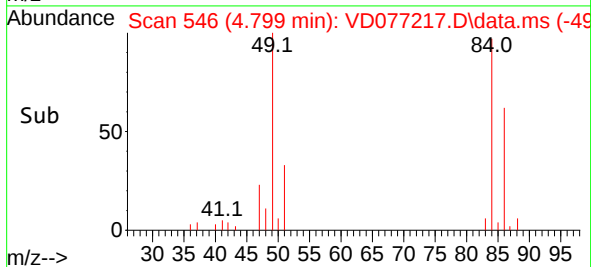
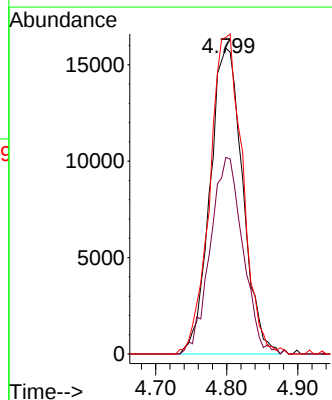
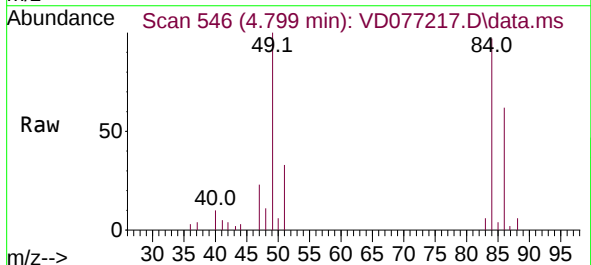
Instrument :
MSVOA_D
ClientSampleId :

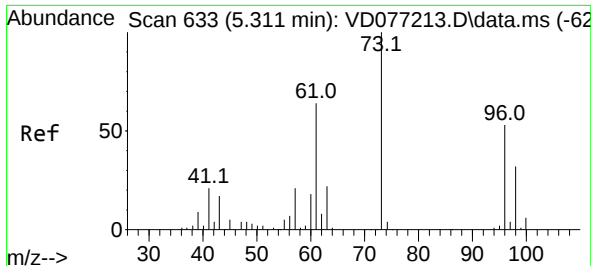
Tgt Ion: 43 Resp: 12129
Ion Ratio Lower Upper
43 100
74 20.3 22.5 33.7#



#16
Methylene chloride
Concen: 8.869 ug/L
RT: 4.799 min Scan# 546
Delta R.T. 0.000 min
Lab File: VD077217.D
Acq: 25 Sep 2023 15:13

Tgt Ion: 84 Resp: 50566
Ion Ratio Lower Upper
84 100
86 64.3 45.2 84.0
49 103.5 73.4 136.4

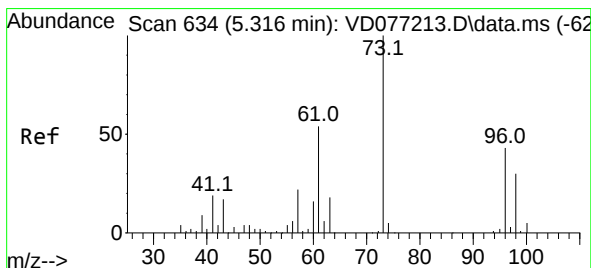
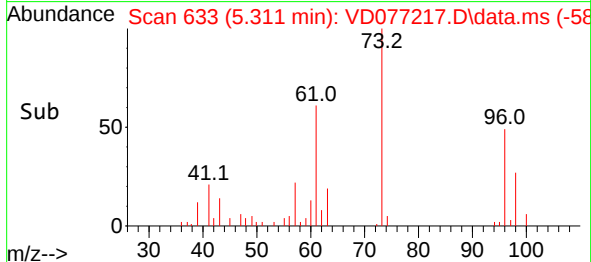
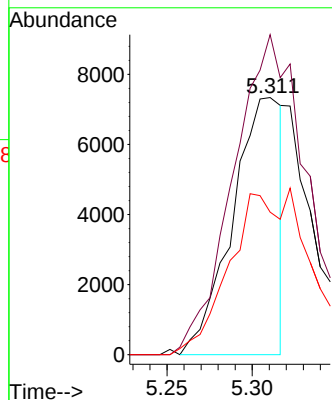
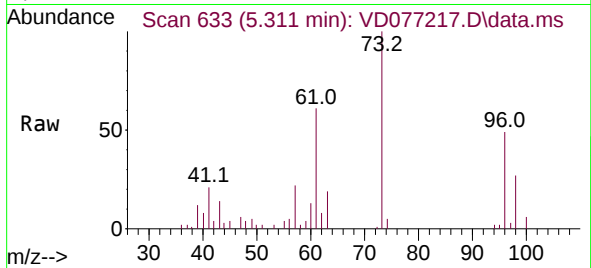




#17
trans-1,2-Dichloroethene
Concen: 3.614 ug/L
RT: 5.311 min Scan# 611
Delta R.T. 0.000 min
Lab File: VD077217.D
Acq: 25 Sep 2023 15:13

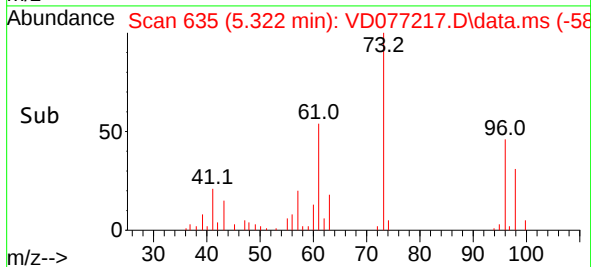
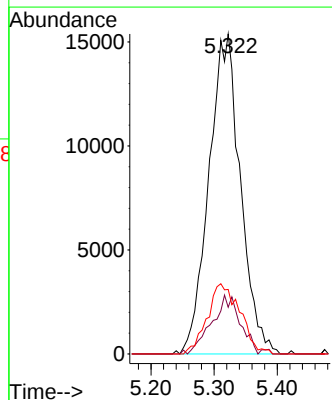
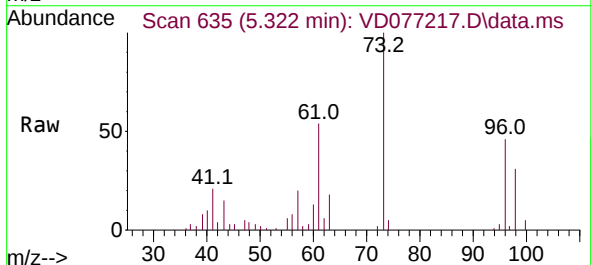
Instrument :
MSVOA_D
ClientSampleId :

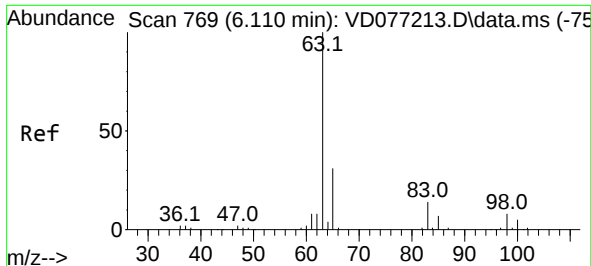
Tgt Ion: 96 Resp: 14820
Ion Ratio Lower Upper
96 100
61 124.5 84.1 156.3
98 55.5 42.0 78.0



#18
Methyl tert-butyl Ether
Concen: 5.896 ug/L
RT: 5.322 min Scan# 635
Delta R.T. 0.006 min
Lab File: VD077217.D
Acq: 25 Sep 2023 15:13

Tgt Ion: 73 Resp: 53376
Ion Ratio Lower Upper
73 100
43 10.0 12.7 19.1#
57 22.4 17.2 25.8





#19

1,1-Dichloroethane

Concen: 6.619 ug/L

RT: 6.105 min Scan# 71

Delta R.T. -0.006 min

Lab File: VD077217.D

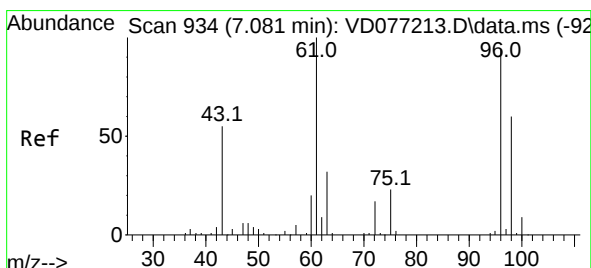
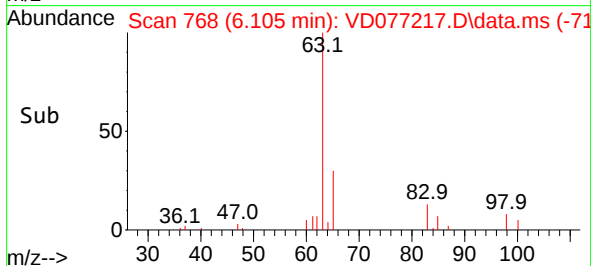
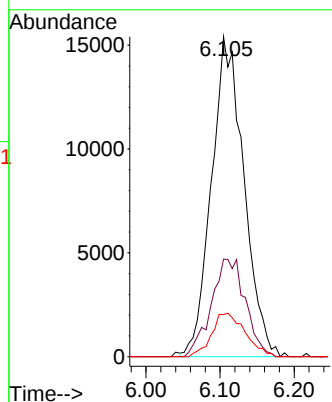
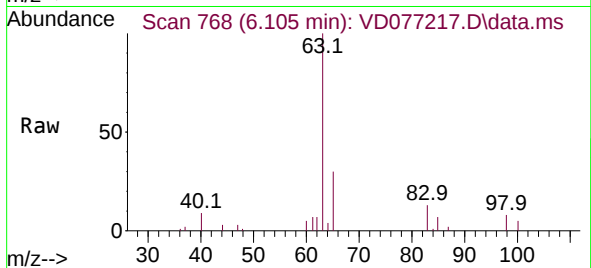
Acq: 25 Sep 2023 15:13

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 63	Resp: 46805
Ion Ratio	Lower Upper
63 100	
65 30.4	21.9 40.7
83 13.2	10.0 18.6



#20

cis-1,2-Dichloroethene

Concen: 2.952 ug/L

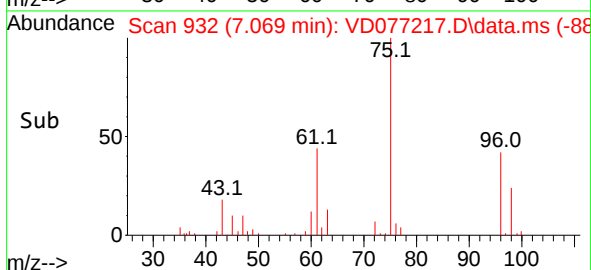
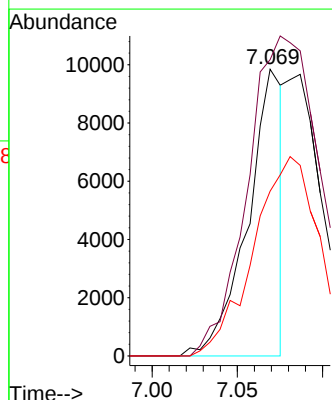
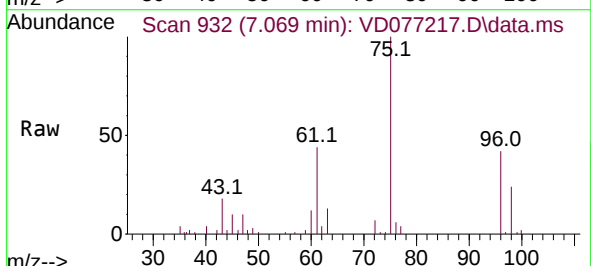
RT: 7.069 min Scan# 932

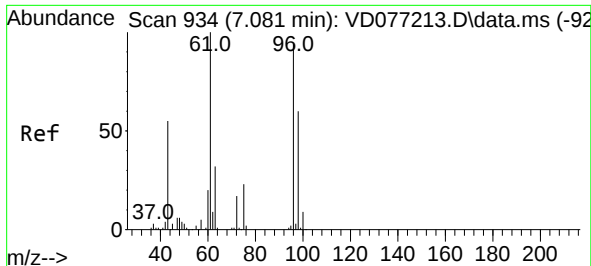
Delta R.T. -0.012 min

Lab File: VD077217.D

Acq: 25 Sep 2023 15:13

Tgt Ion: 96	Resp: 14045
Ion Ratio	Lower Upper
96 100	
61 103.4	74.8 139.0
98 57.5	45.1 83.7

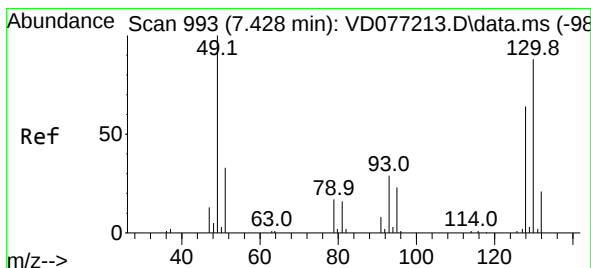
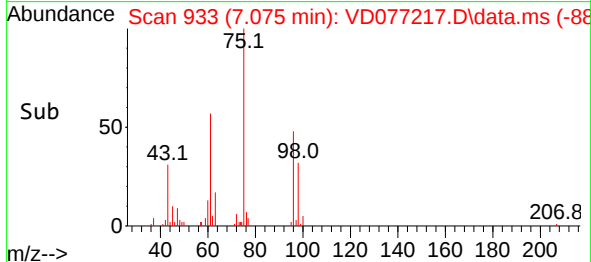
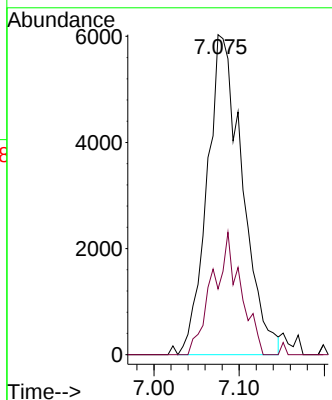
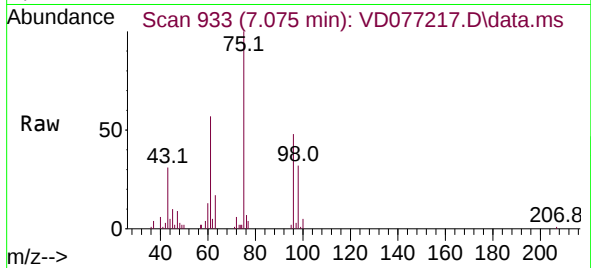




#22
2-Butanone
Concen: 11.210 ug/L
RT: 7.075 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD077217.D
Acq: 25 Sep 2023 15:13

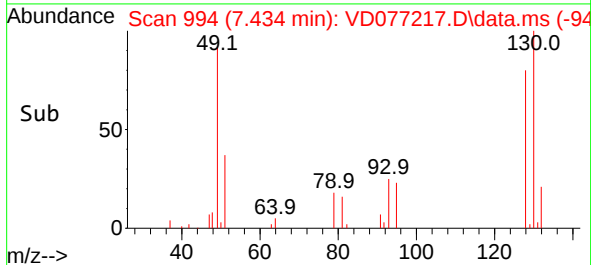
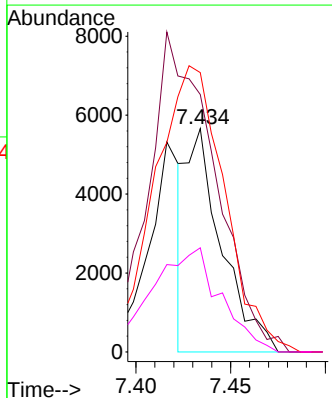
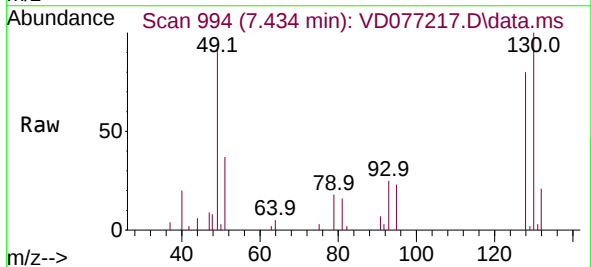
Instrument :
MSVOA_D
ClientSampleId :

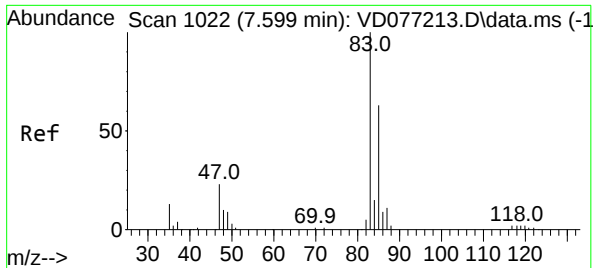
Tgt Ion: 43 Resp: 17345
Ion Ratio Lower Upper
43 100
72 10.9 15.4 46.4#



#23
Bromochloromethane
Concen: 3.210 ug/L
RT: 7.434 min Scan# 994
Delta R.T. 0.006 min
Lab File: VD077217.D
Acq: 25 Sep 2023 15:13

Tgt Ion:128 Resp: 7296
Ion Ratio Lower Upper
128 100
49 115.3 109.4 203.2
130 125.1 97.1 180.3
51 46.7 41.5 62.3

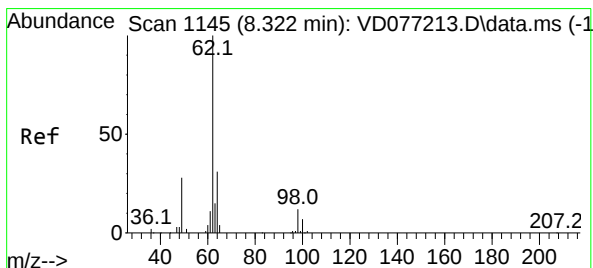
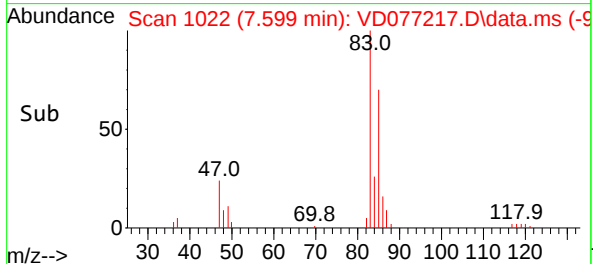
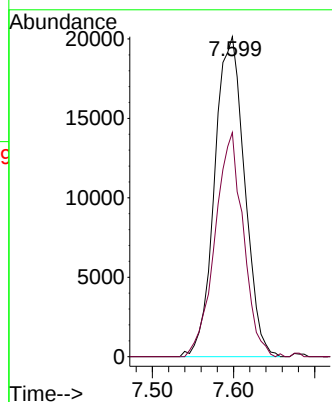
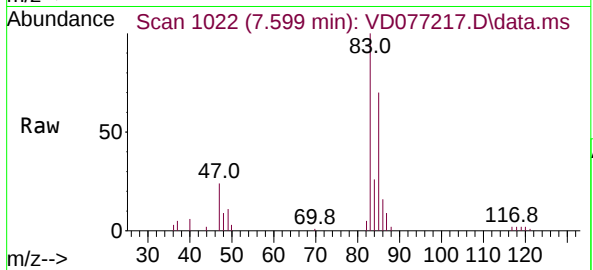




#25
Chloroform
Concen: 6.567 ug/L
RT: 7.599 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VD077217.D
Acq: 25 Sep 2023 15:13

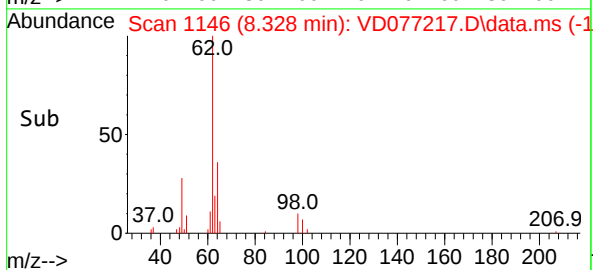
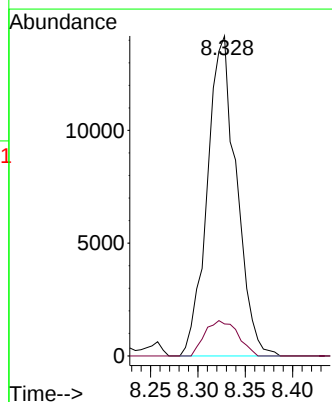
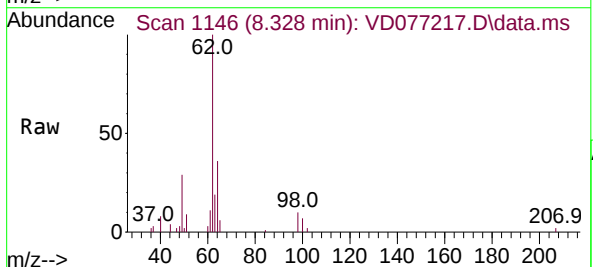
Instrument :
MSVOA_D
ClientSampleId :

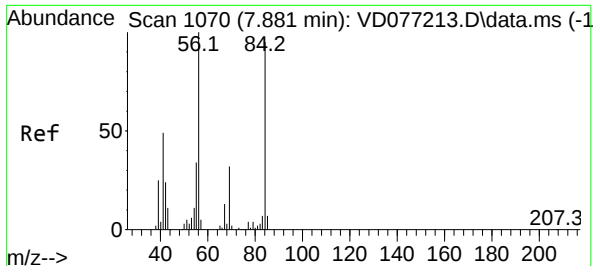
Tgt Ion: 83 Resp: 51657
Ion Ratio Lower Upper
83 100
85 70.1 44.4 82.5



#27
1,2-Dichloroethane
Concen: 6.419 ug/L
RT: 8.328 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VD077217.D
Acq: 25 Sep 2023 15:13

Tgt Ion: 62 Resp: 30319
Ion Ratio Lower Upper
62 100
98 10.0 9.4 14.0





#29

Cyclohexane

Concen: 5.373 ug/L

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

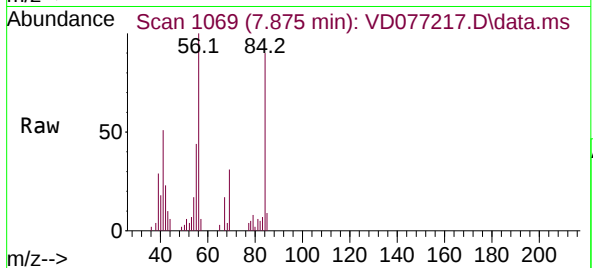
Lab File: VD077217.D

Acq: 25 Sep 2023 15:13

Instrument :

MSVOA_D

ClientSampleId :



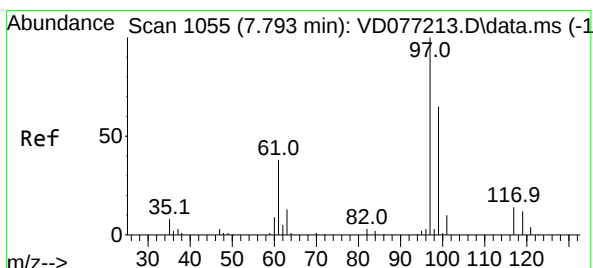
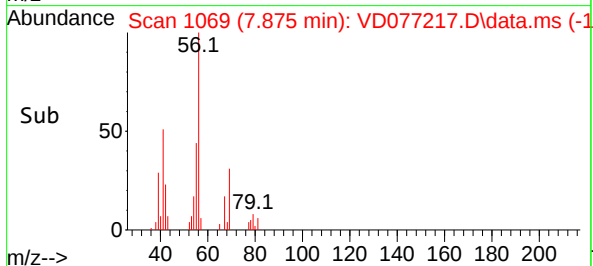
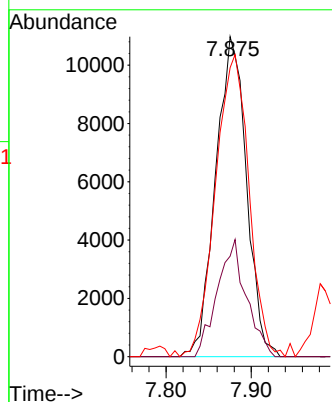
Tgt Ion: 56 Resp: 27577

Ion Ratio Lower Upper

56 100

69 34.4 25.4 38.0

84 102.0 80.6 120.8



#30

1,1,1-Trichloroethane

Concen: 6.424 ug/L

RT: 7.799 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VD077217.D

Acq: 25 Sep 2023 15:13

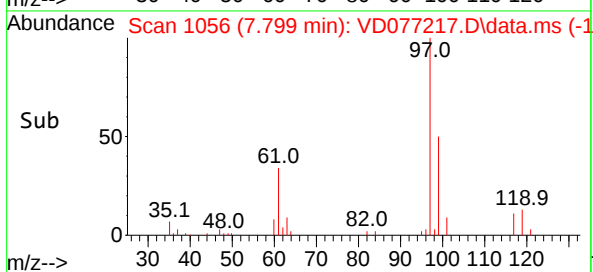
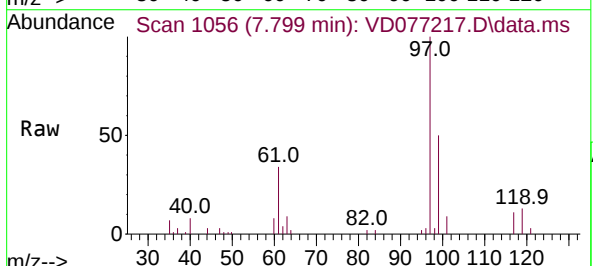
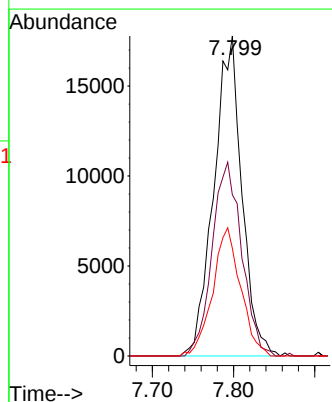
Tgt Ion: 97 Resp: 42637

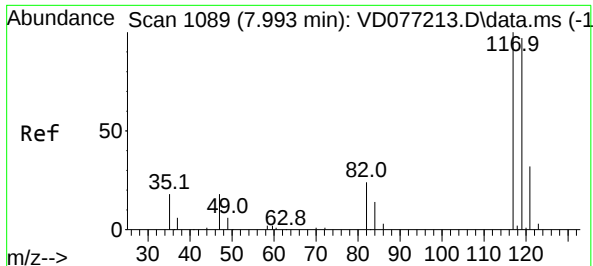
Ion Ratio Lower Upper

97 100

99 63.9 51.6 77.4

61 40.1 31.6 47.4

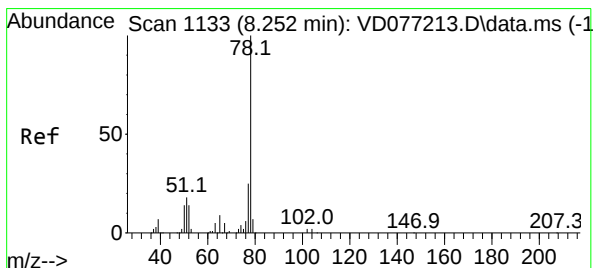
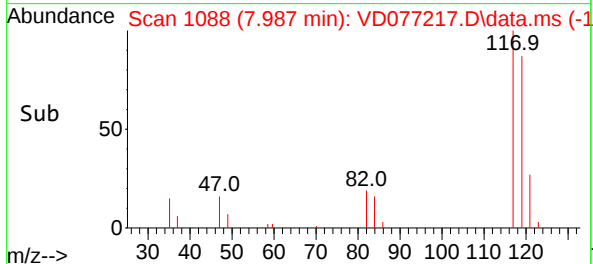
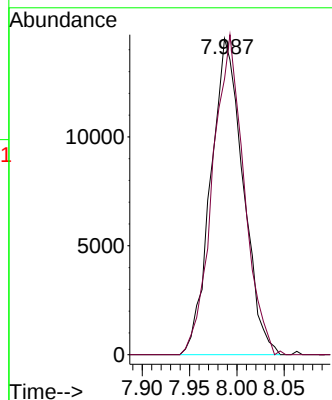
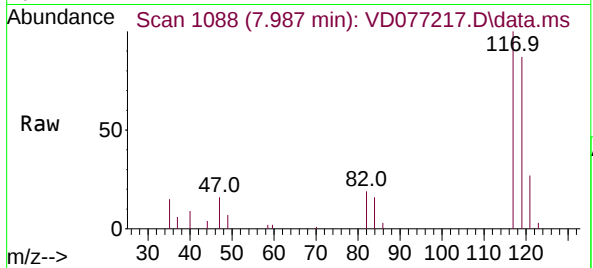




#31
Carbon tetrachloride
Concen: 6.207 ug/L
RT: 7.987 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD077217.D
Acq: 25 Sep 2023 15:13

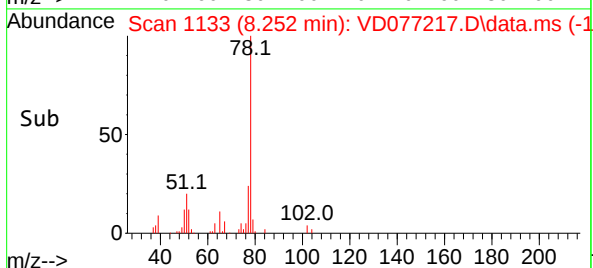
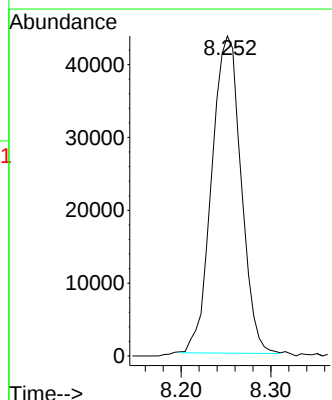
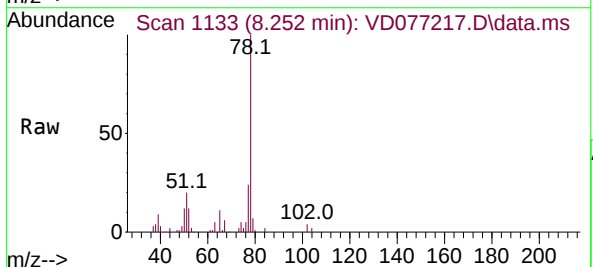
Instrument :
MSVOA_D
ClientSampleId :

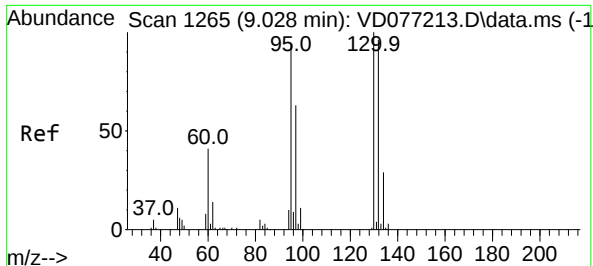
Tgt Ion:117 Resp: 34472
Ion Ratio Lower Upper
117 100
119 98.1 75.4 113.0



#33
Benzene
Concen: 5.771 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD077217.D
Acq: 25 Sep 2023 15:13

Tgt Ion: 78 Resp: 98771





#34

Trichloroethene

Concen: 6.130 ug/L

RT: 9.028 min Scan# 11

Delta R.T. 0.000 min

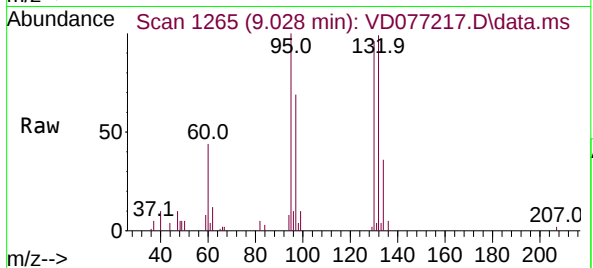
Lab File: VD077217.D

Acq: 25 Sep 2023 15:13

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 95 Resp: 27534

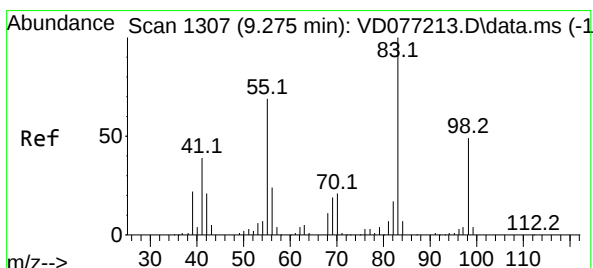
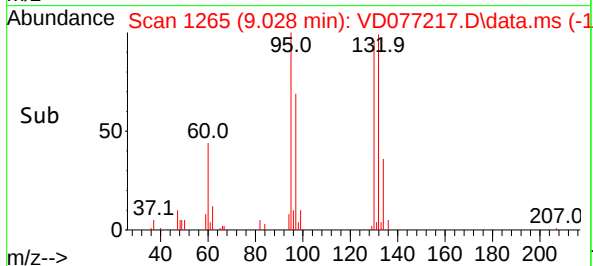
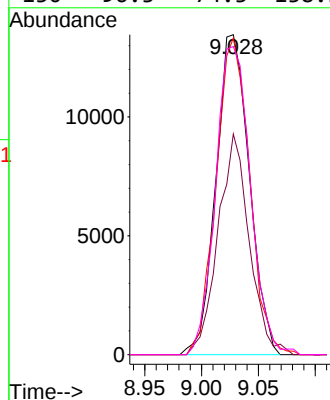
Ion Ratio Lower Upper

95 100

97 69.0 46.5 86.5

132 98.9 71.8 133.4

130 96.3 74.3 138.1



#35

Methylcyclohexane

Concen: 5.297 ug/L

RT: 9.269 min Scan# 1306

Delta R.T. -0.006 min

Lab File: VD077217.D

Acq: 25 Sep 2023 15:13

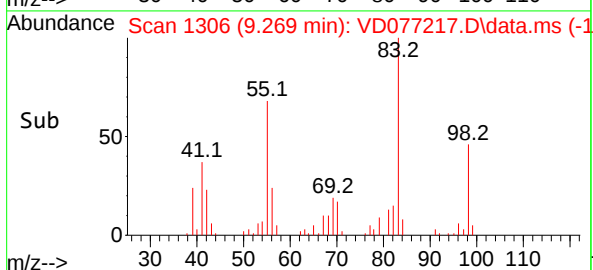
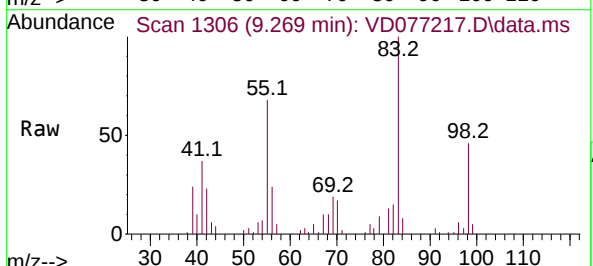
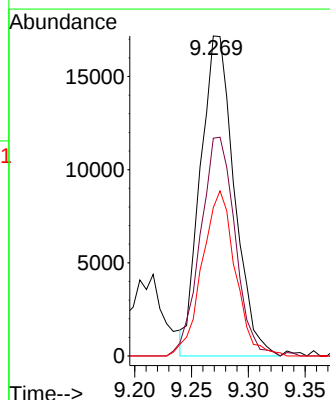
Tgt Ion: 83 Resp: 35589

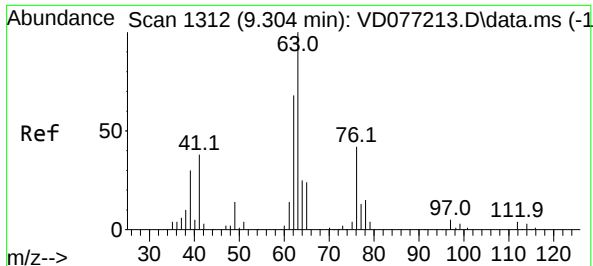
Ion Ratio Lower Upper

83 100

55 69.8 53.0 79.4

98 50.6 39.4 59.0





#37

1,2-Dichloropropane

Concen: 6.525 ug/L

RT: 9.304 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD077217.D

Acq: 25 Sep 2023 15:13

Instrument :

MSVOA_D

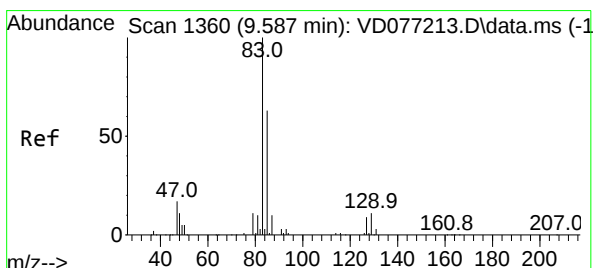
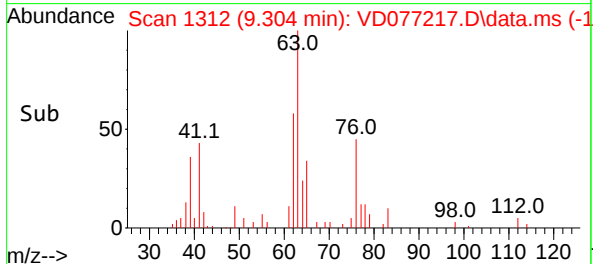
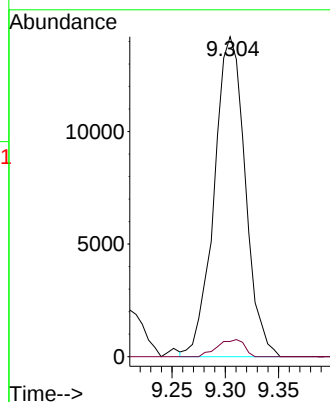
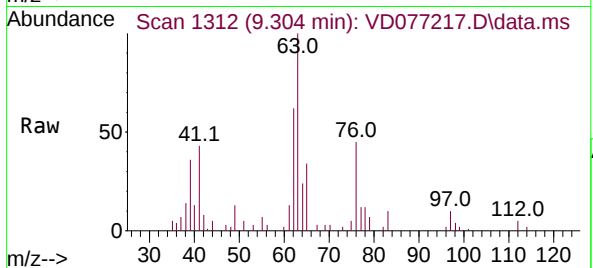
ClientSampleId :

Tgt Ion: 63 Resp: 28807

Ion Ratio Lower Upper

63 100

112 4.6 3.4 5.2



#38

Bromodichloromethane

Concen: 6.324 ug/L

RT: 9.587 min Scan# 1360

Delta R.T. 0.000 min

Lab File: VD077217.D

Acq: 25 Sep 2023 15:13

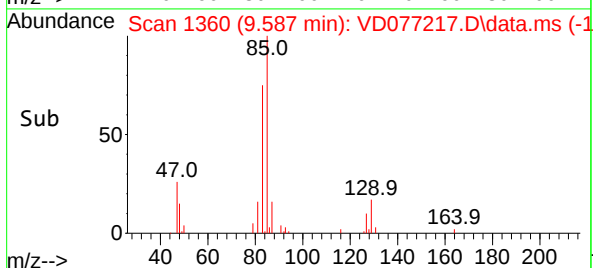
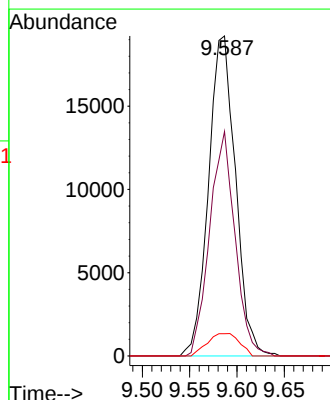
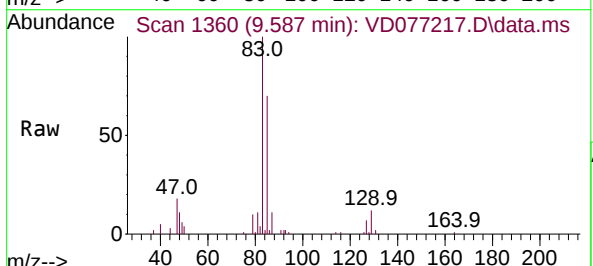
Tgt Ion: 83 Resp: 38133

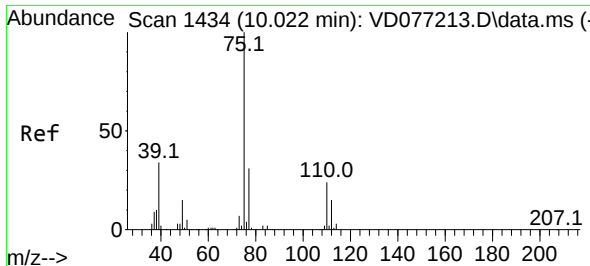
Ion Ratio Lower Upper

83 100

85 70.1 44.2 82.2

127 6.9 7.1 10.7#

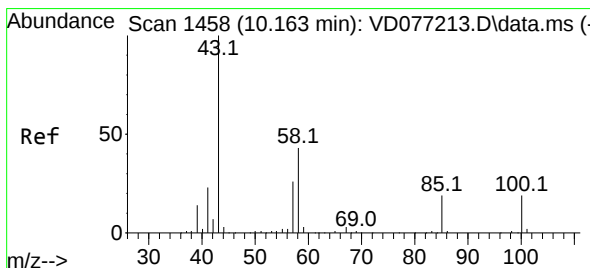
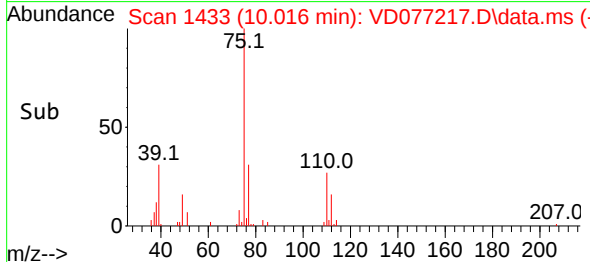
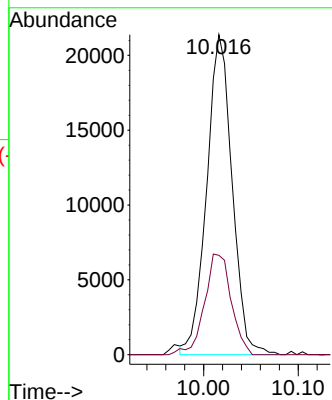
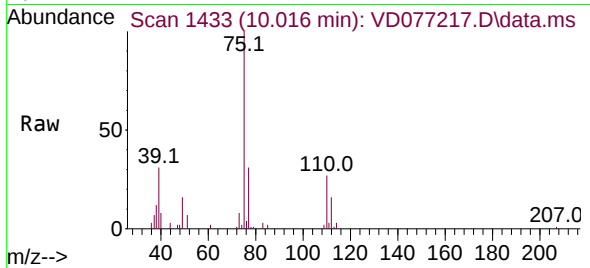




#39
 cis-1,3-Dichloropropene
 Concen: 5.777 ug/L
 RT: 10.016 min Scan# 1433
 Delta R.T. -0.006 min
 Lab File: VD077217.D
 Acq: 25 Sep 2023 15:13

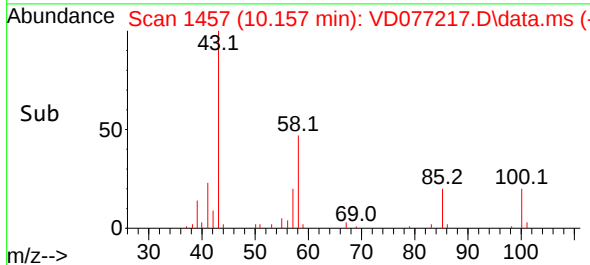
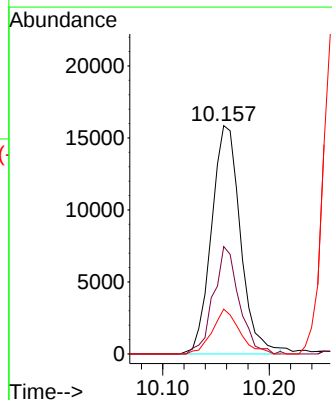
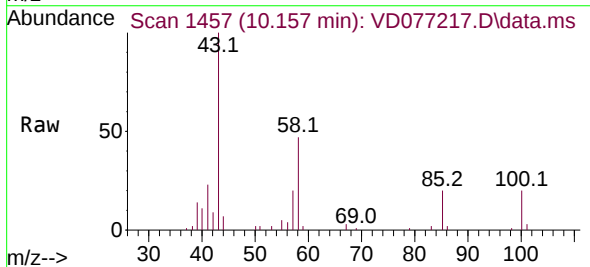
Instrument :
 MSVOA_D
 ClientSampleId :

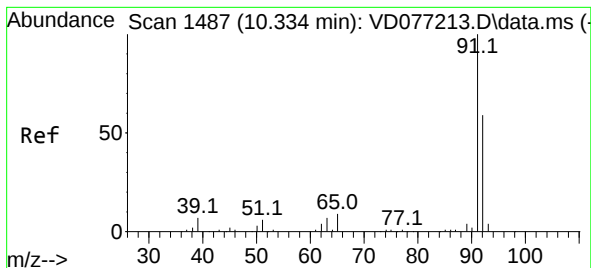
Tgt Ion: 75 Resp: 39889
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 12.157 ug/L
 RT: 10.157 min Scan# 1457
 Delta R.T. -0.006 min
 Lab File: VD077217.D
 Acq: 25 Sep 2023 15:13

Tgt Ion: 43 Resp: 29934
 Ion Ratio Lower Upper
 43 100
 58 41.2 33.9 50.9
 100 18.5 14.9 22.3





#42

Toluene

Concen: 5.729 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD077217.D

Acq: 25 Sep 2023 15:13

Instrument :

MSVOA_D

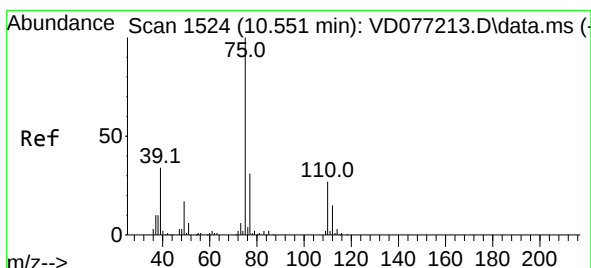
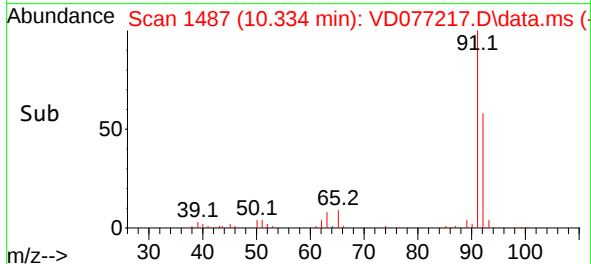
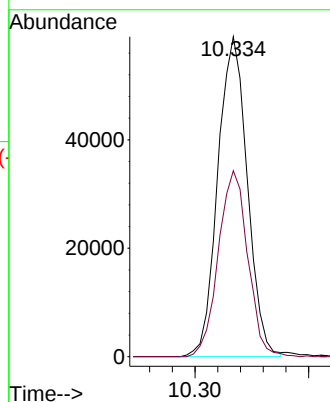
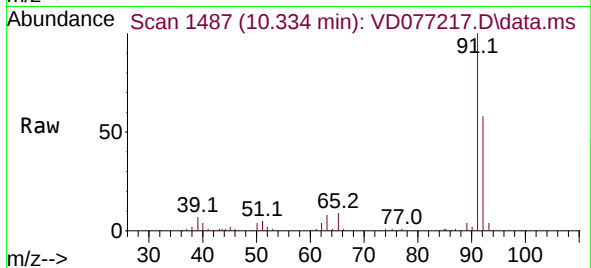
ClientSampleId :

Tgt Ion: 91 Resp: 106323

Ion Ratio Lower Upper

91 100

92 58.1 41.6 77.3



#44

trans-1,3-Dichloropropene

Concen: 6.002 ug/L

RT: 10.551 min Scan# 1524

Delta R.T. 0.000 min

Lab File: VD077217.D

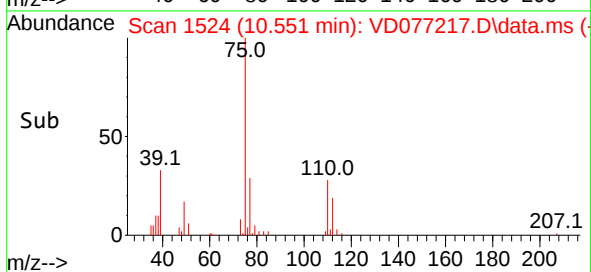
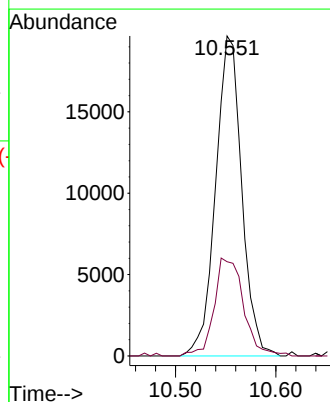
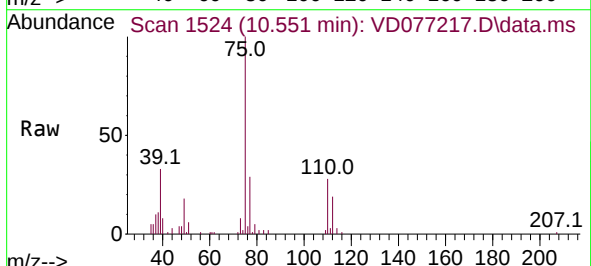
Acq: 25 Sep 2023 15:13

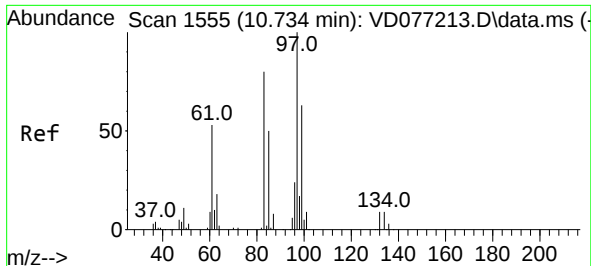
Tgt Ion: 75 Resp: 35567

Ion Ratio Lower Upper

75 100

77 29.4 22.1 41.1

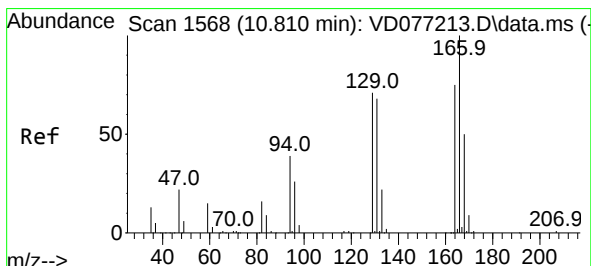
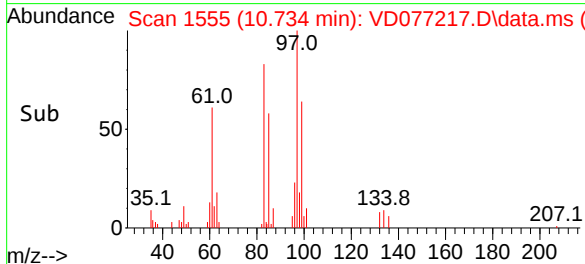
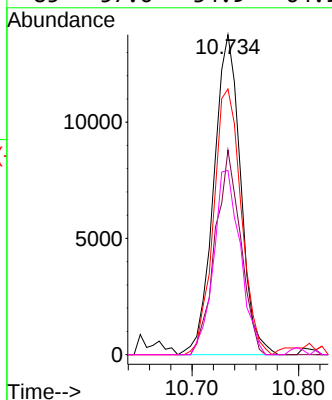
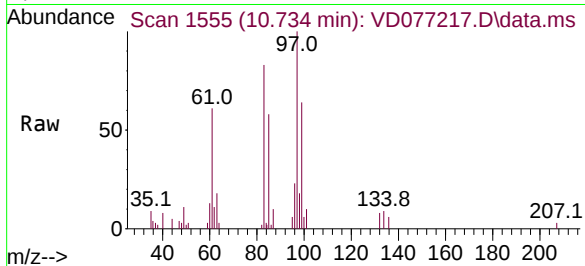




#45
1,1,2-Trichloroethane
Concen: 6.418 ug/L
RT: 10.734 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VD077217.D
Acq: 25 Sep 2023 15:13

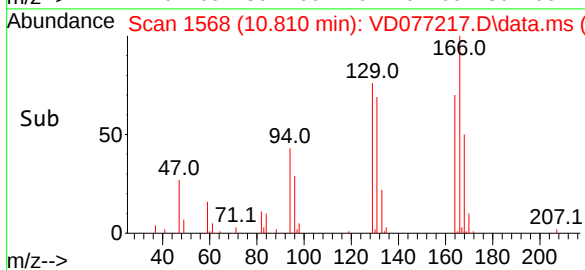
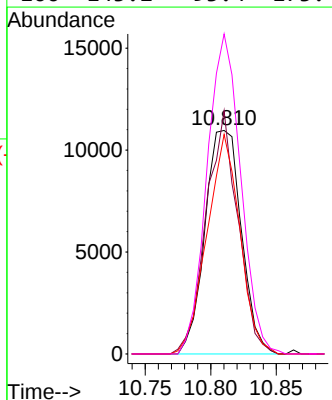
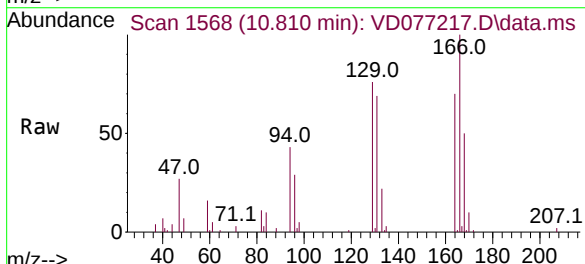
Instrument :
MSVOA_D
ClientSampleId :

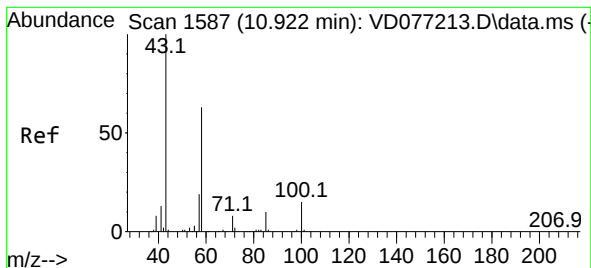
Tgt Ion: 97	Resp: 24123
Ion Ratio	Lower Upper
97 100	
99 63.9	44.2 82.0
83 83.0	56.4 104.7
85 57.6	34.9 64.9



#46
Tetrachloroethene
Concen: 5.774 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD077217.D
Acq: 25 Sep 2023 15:13

Tgt	Ion:164	Resp:	21087
Ion	Ratio	Lower	Upper
164	100		
129	108.8	66.1	122.8
131	98.2	63.5	117.9
166	143.2	93.4	173.4





#48

2-Hexanone

Concen: 12.246 ug/L

RT: 10.922 min Scan# 1587

Delta R.T. 0.000 min

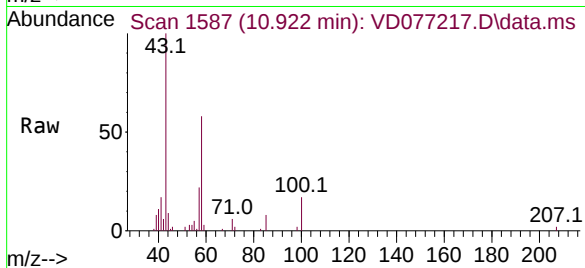
Lab File: VD077217.D

Acq: 25 Sep 2023 15:13

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 43 Resp: 23334

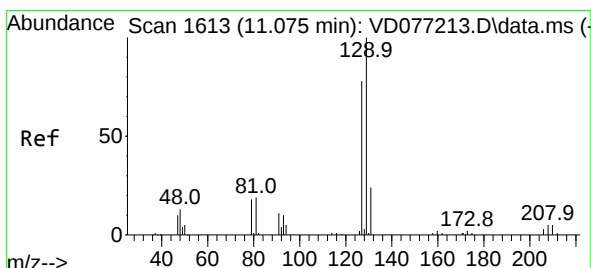
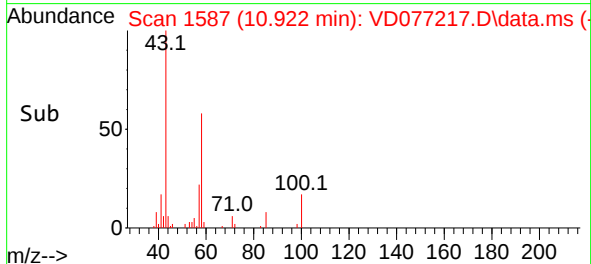
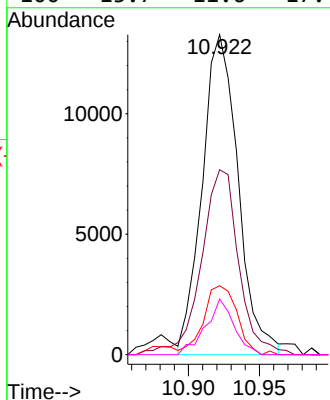
Ion Ratio Lower Upper

43 100

58 60.2 47.8 71.8

57 20.0 15.6 23.4

100 13.7 11.6 17.4



#49

Dibromochloromethane

Concen: 6.094 ug/L

RT: 11.075 min Scan# 1613

Delta R.T. 0.000 min

Lab File: VD077217.D

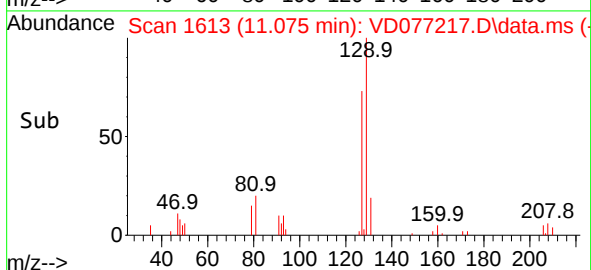
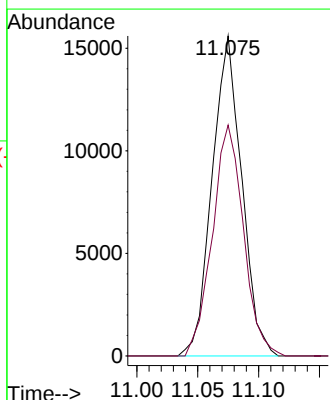
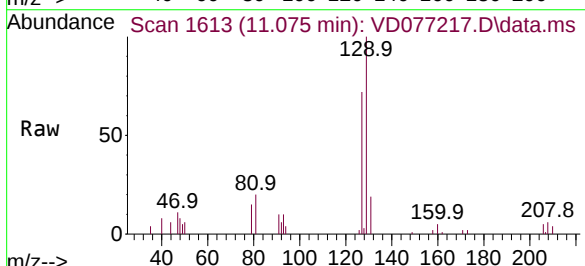
Acq: 25 Sep 2023 15:13

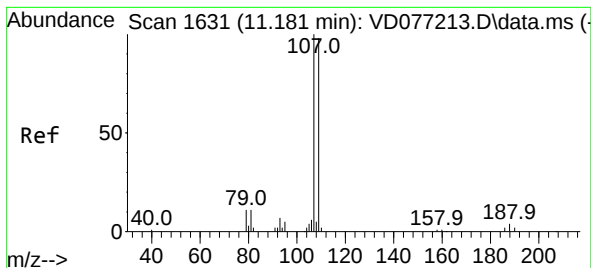
Tgt Ion: 129 Resp: 26387

Ion Ratio Lower Upper

129 100

127 72.2 54.5 101.1





#50

1,2-Dibromoethane

Concen: 6.275 ug/L

RT: 11.175 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD077217.D

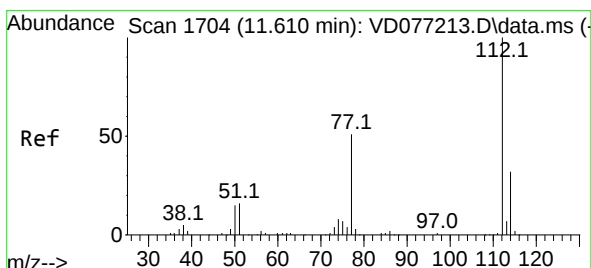
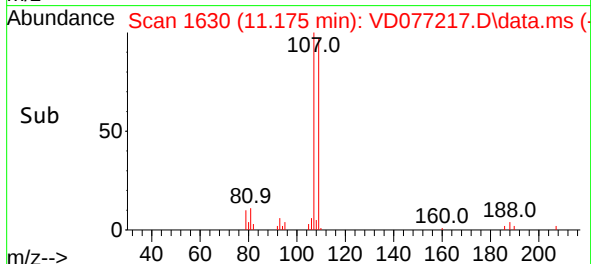
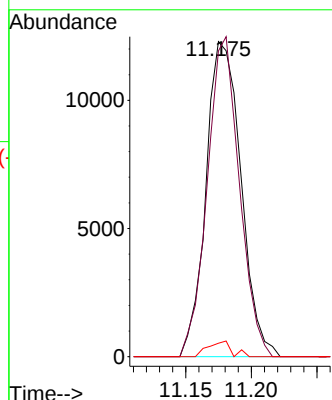
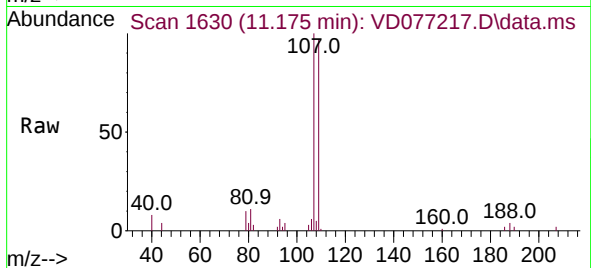
Acq: 25 Sep 2023 15:13

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:107	Resp:	22792
Ion Ratio	Lower	Upper
107	100	
109	97.0	68.8 127.8
188	4.3	3.0 4.6



#51

Chlorobenzene

Concen: 6.271 ug/L

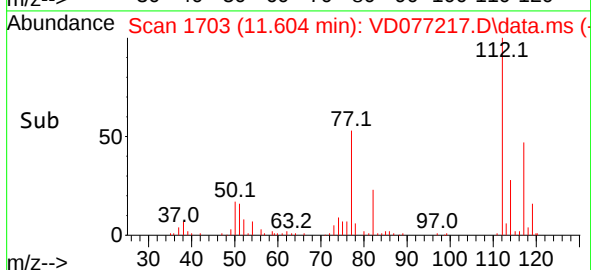
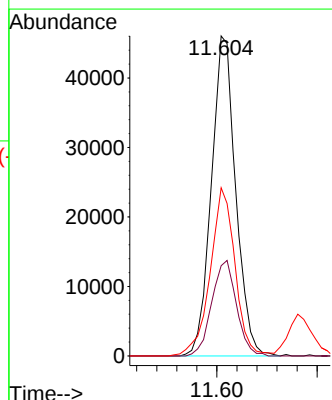
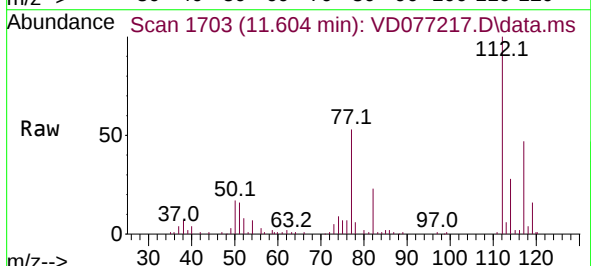
RT: 11.604 min Scan# 1703

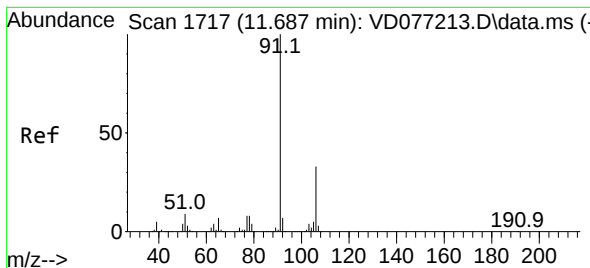
Delta R.T. -0.006 min

Lab File: VD077217.D

Acq: 25 Sep 2023 15:13

Tgt Ion:112	Resp:	77684
Ion Ratio	Lower	Upper
112	100	
114	28.2	22.7 42.1
77	52.6	40.8 61.2

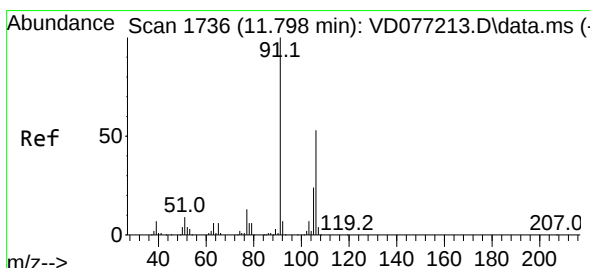
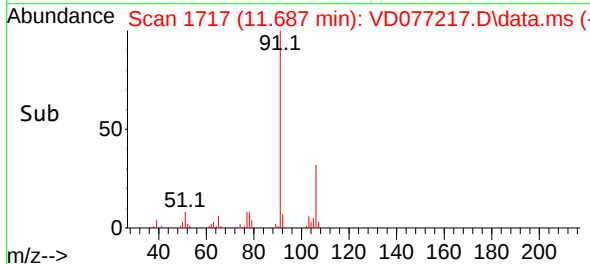
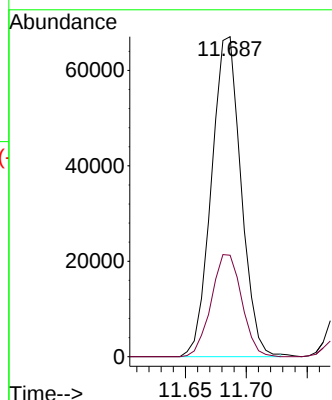
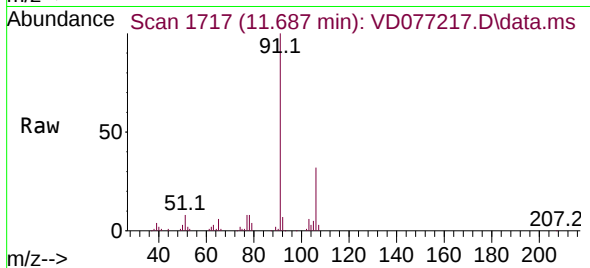




#52
Ethylbenzene
Concen: 5.670 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VD077217.D
Acq: 25 Sep 2023 15:13

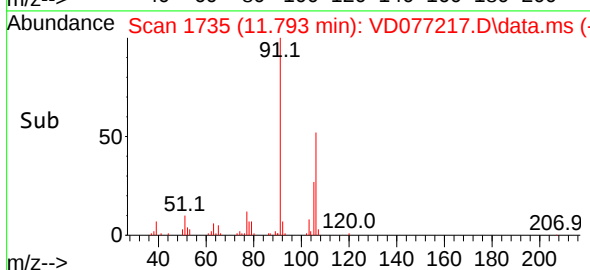
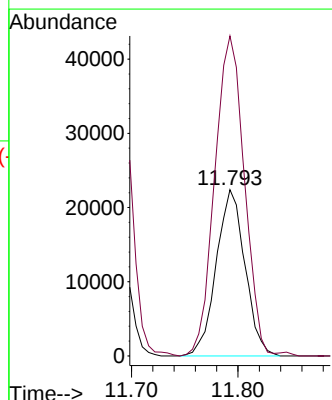
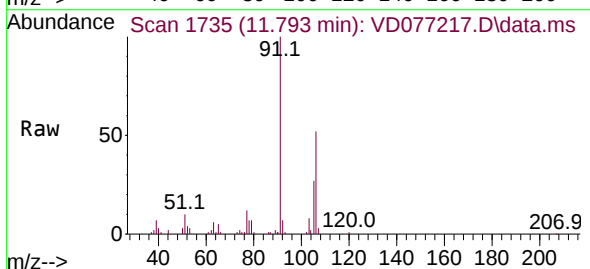
Instrument :
MSVOA_D
ClientSampleId :

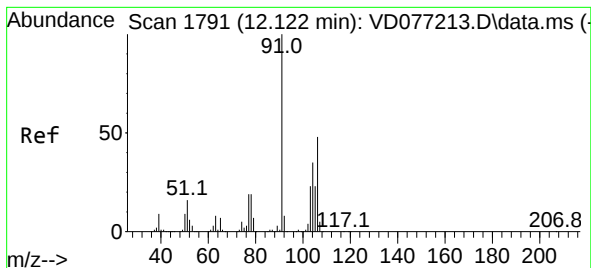
Tgt Ion: 91 Resp: 113486
Ion Ratio Lower Upper
91 100
106 31.7 23.2 43.0



#53
m,p-Xylene
Concen: 5.433 ug/L
RT: 11.793 min Scan# 1735
Delta R.T. -0.006 min
Lab File: VD077217.D
Acq: 25 Sep 2023 15:13

Tgt Ion: 106 Resp: 42007
Ion Ratio Lower Upper
106 100
91 192.6 132.8 246.6





#54

o-Xylene

Concen: 5.434 ug/L

RT: 12.122 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VD077217.D

Acq: 25 Sep 2023 15:13

Instrument :

MSVOA_D

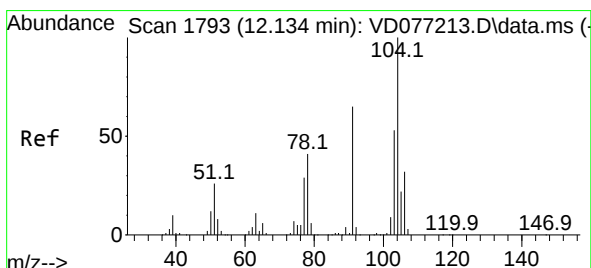
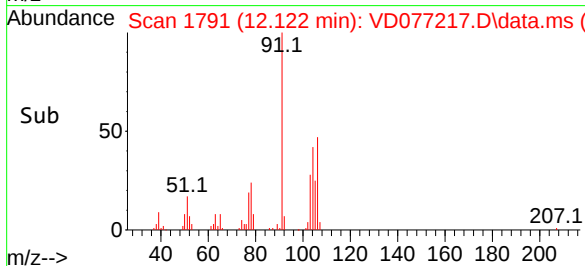
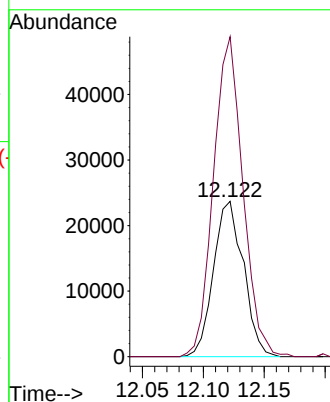
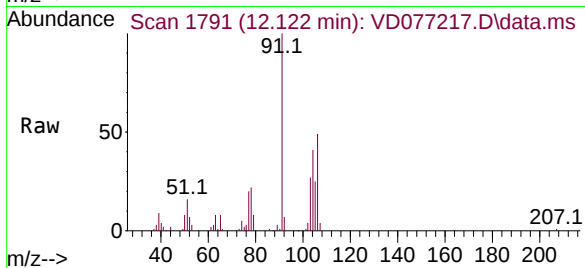
ClientSampleId :

Tgt Ion:106 Resp: 40497

Ion Ratio Lower Upper

106 100

91 206.0 146.7 272.5



#55

Styrene

Concen: 5.444 ug/L

RT: 12.134 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VD077217.D

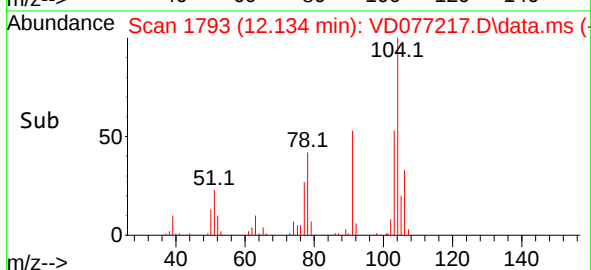
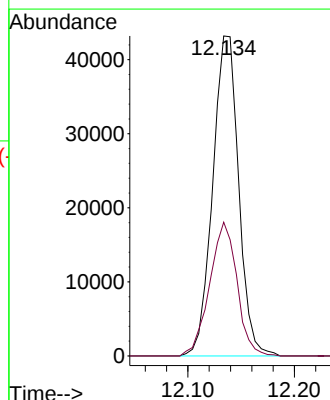
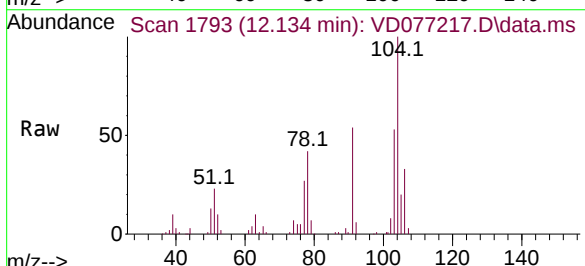
Acq: 25 Sep 2023 15:13

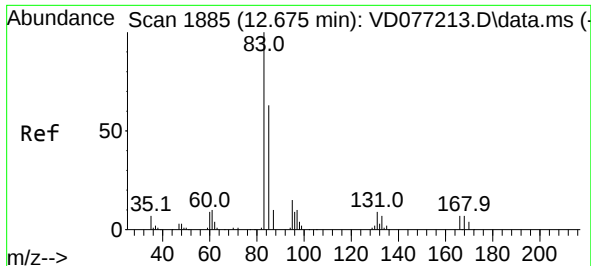
Tgt Ion:104 Resp: 73075

Ion Ratio Lower Upper

104 100

78 41.8 29.0 53.8





#57

1,1,2,2-Tetrachloroethane

Concen: 6.740 ug/L

RT: 12.669 min Scan# 1884

Delta R.T. -0.006 min

Lab File: VD077217.D

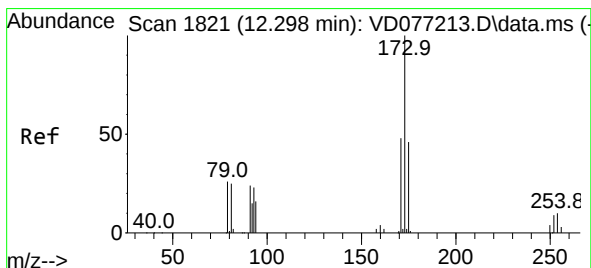
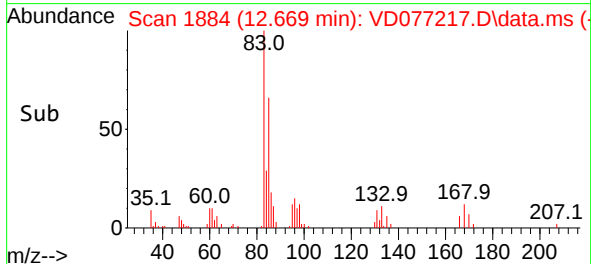
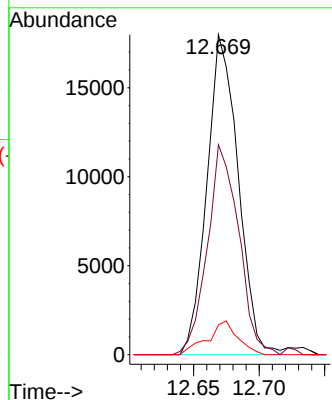
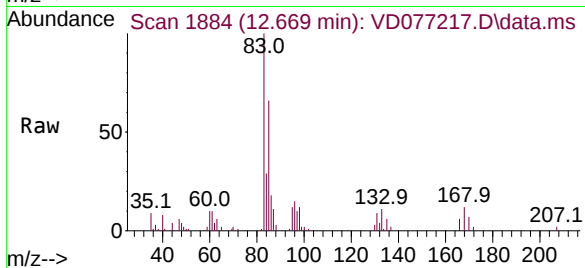
Acq: 25 Sep 2023 15:13

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 83	Resp:	29774
Ion Ratio	Lower	Upper
83	100	
85	65.6	44.0 81.8
131	9.3	7.7 11.5



#59

Bromoform

Concen: 6.436 ug/L

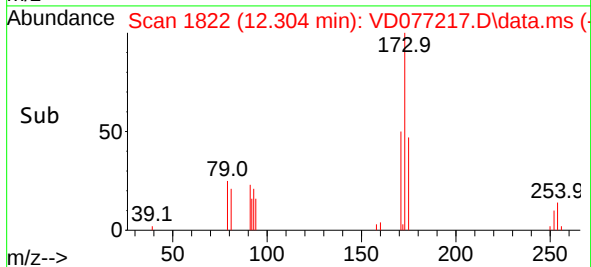
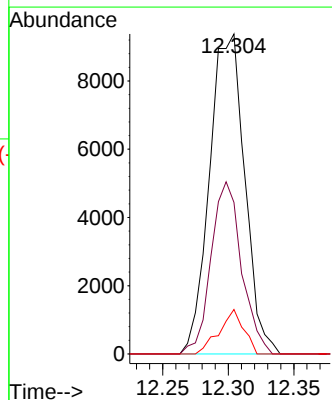
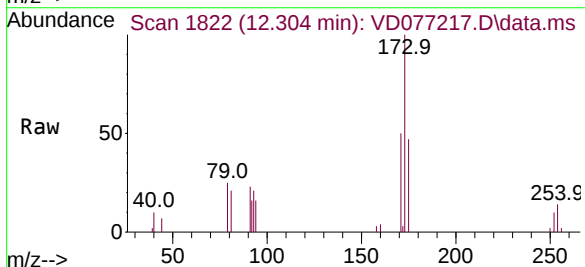
RT: 12.304 min Scan# 1822

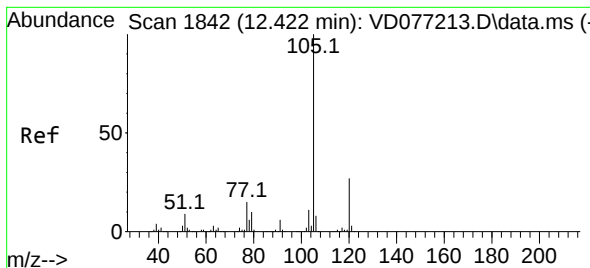
Delta R.T. 0.006 min

Lab File: VD077217.D

Acq: 25 Sep 2023 15:13

Tgt Ion: 173	Resp:	17485
Ion Ratio	Lower	Upper
173	100	
175	46.8	39.5 59.3
254	9.6	7.1 10.7





#60

Isopropylbenzene

Concen: 5.785 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD077217.D

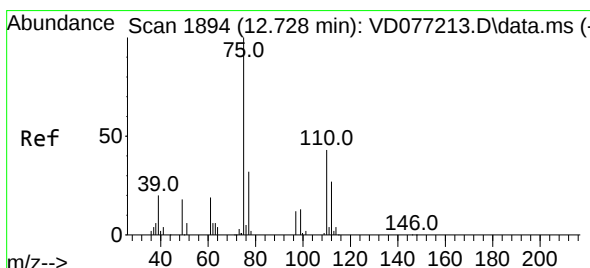
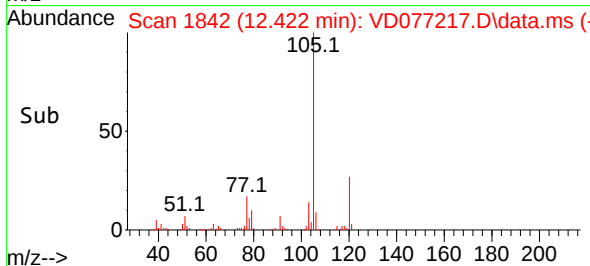
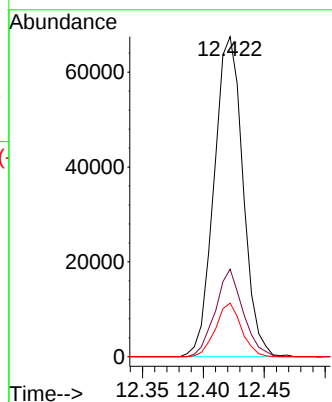
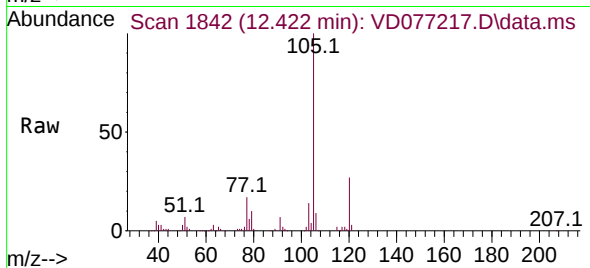
Acq: 25 Sep 2023 15:13

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	105	Resp:	111144
Ion Ratio	Lower	Upper	
105	100		
120	26.3	21.3	31.9
77	15.0	11.5	17.3



#61

1,2,3-Trichloropropane

Concen: 7.051 ug/L

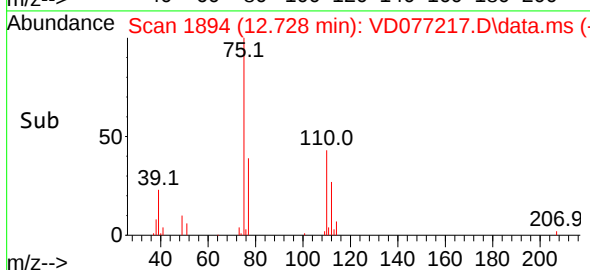
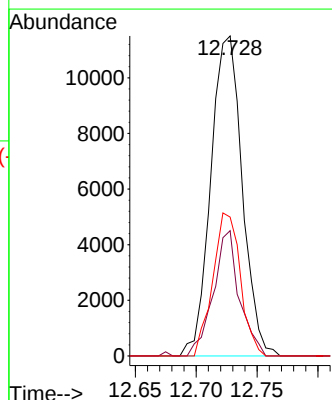
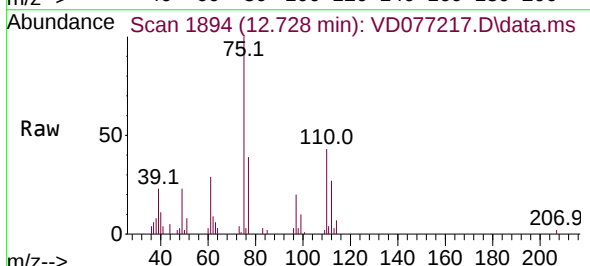
RT: 12.728 min Scan# 1894

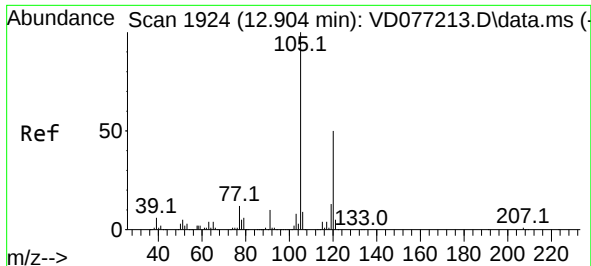
Delta R.T. 0.000 min

Lab File: VD077217.D

Acq: 25 Sep 2023 15:13

Tgt Ion:	75	Resp:	20658
Ion Ratio	Lower	Upper	
75	100		
77	32.6	25.3	37.9
110	39.1	33.8	50.8

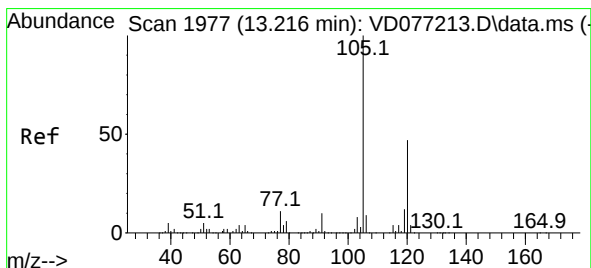
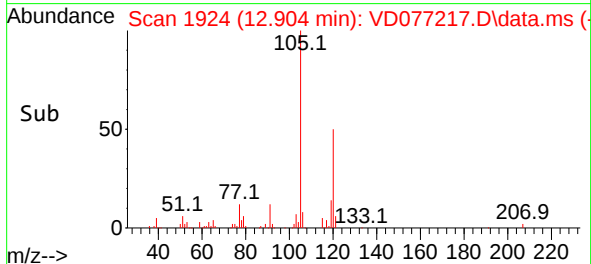
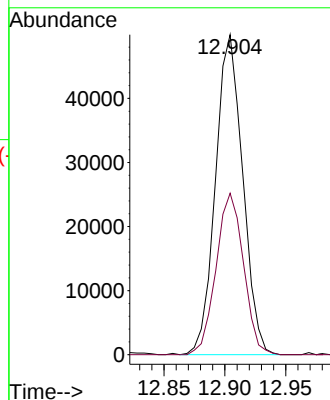
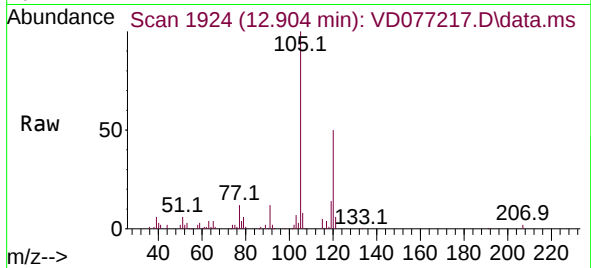




#62
 1,3,5-Trimethylbenzene
 Concen: 5.235 ug/L
 RT: 12.904 min Scan# 1924
 Delta R.T. 0.000 min
 Lab File: VD077217.D
 Acq: 25 Sep 2023 15:13

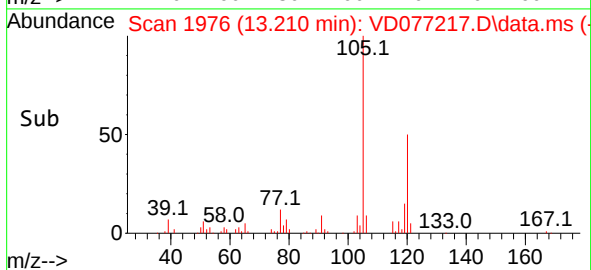
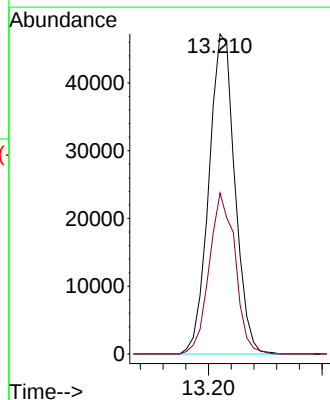
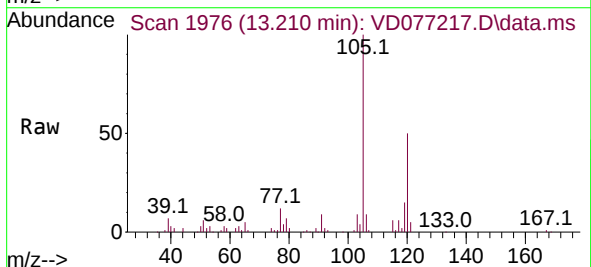
Instrument :
 MSVOA_D
 ClientSampleId :

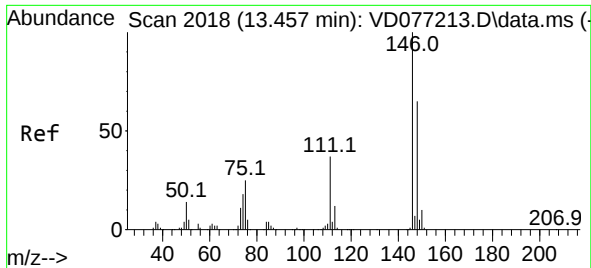
Tgt Ion:105 Resp: 77771
 Ion Ratio Lower Upper
 105 100
 120 50.7 39.4 59.2



#63
 1,2,4-Trimethylbenzene
 Concen: 5.138 ug/L
 RT: 13.210 min Scan# 1976
 Delta R.T. -0.006 min
 Lab File: VD077217.D
 Acq: 25 Sep 2023 15:13

Tgt Ion:105 Resp: 75089
 Ion Ratio Lower Upper
 105 100
 120 50.0 37.6 56.4

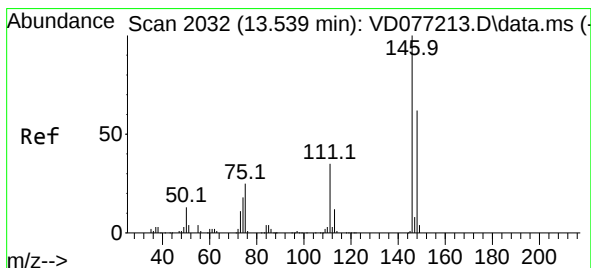
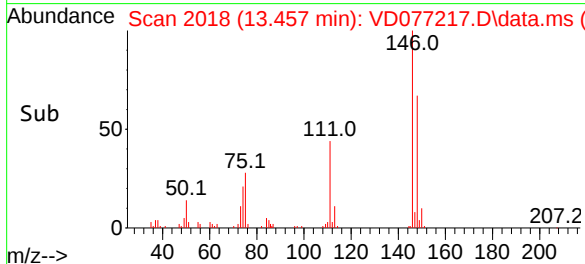
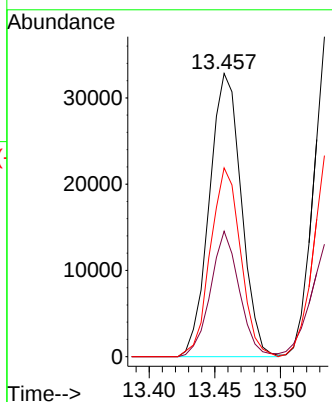
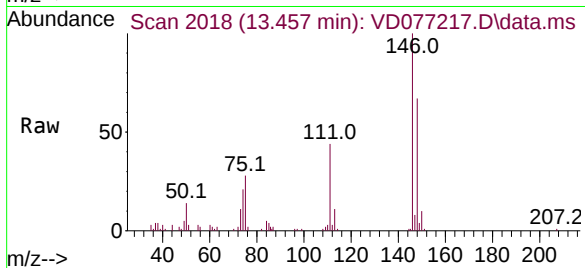




#64
1,3-Dichlorobenzene
Concen: 6.031 ug/L
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD077217.D
Acq: 25 Sep 2023 15:13

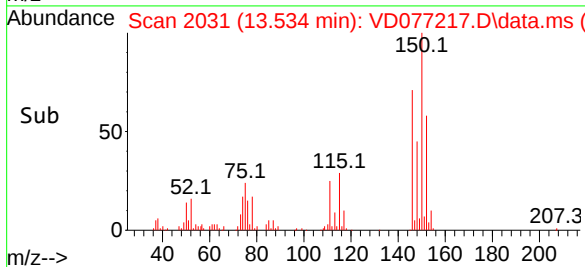
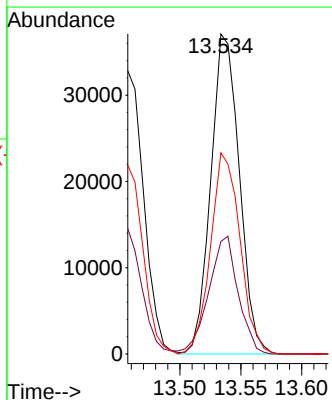
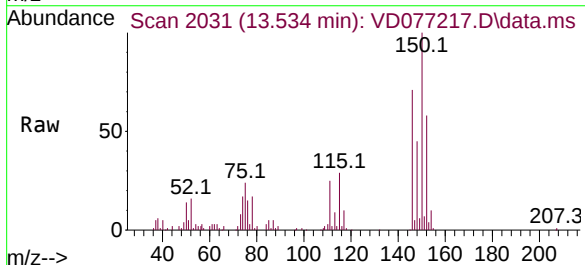
Instrument :
MSVOA_D
ClientSampleId :

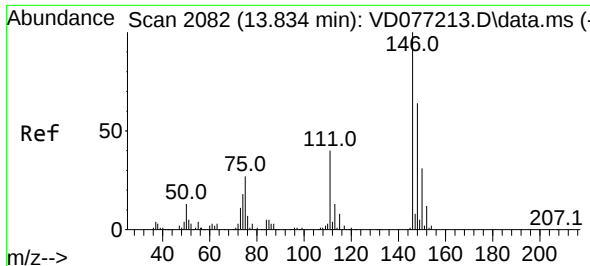
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.3	26.1	48.5
148	66.7	45.3	84.1



#65
1,4-Dichlorobenzene
Concen: 6.254 ug/L
RT: 13.534 min Scan# 2031
Delta R.T. -0.006 min
Lab File: VD077217.D
Acq: 25 Sep 2023 15:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.2	24.6	45.8
148	62.8	43.5	80.7





#67

1,2-Dichlorobenzene

Concen: 5.995 ug/L

RT: 13.834 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VD077217.D

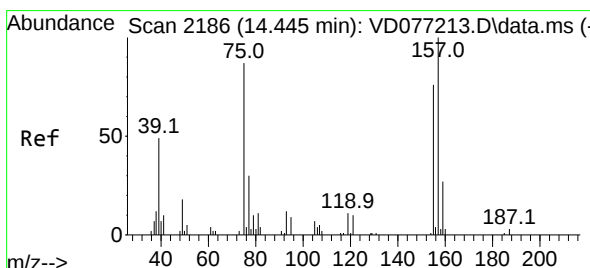
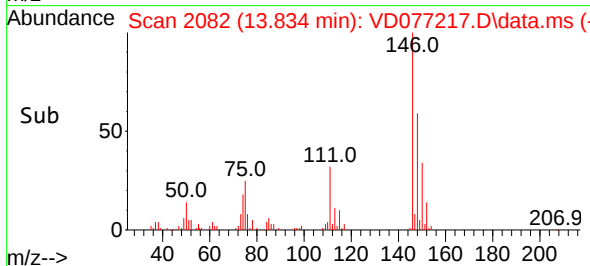
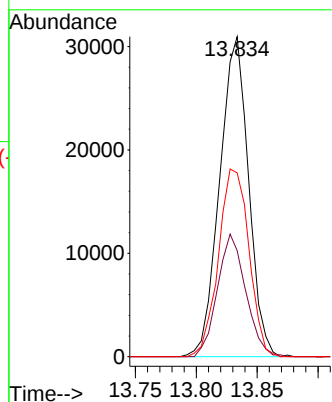
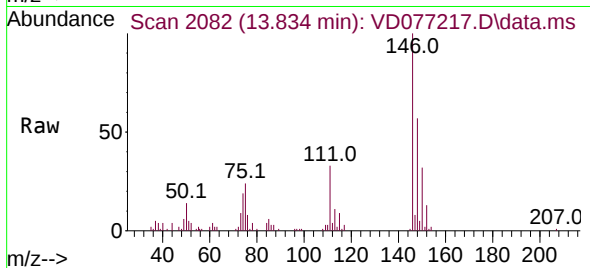
Acq: 25 Sep 2023 15:13

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	146	Resp:	51022
Ion Ratio	Lower	Upper	
146	100		
111	33.1	32.3	48.5
148	57.4	51.4	77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 7.242 ug/L

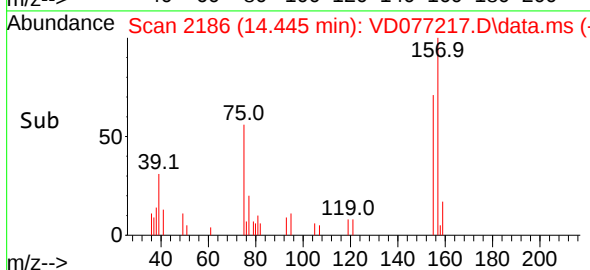
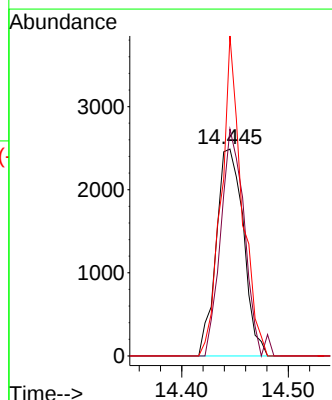
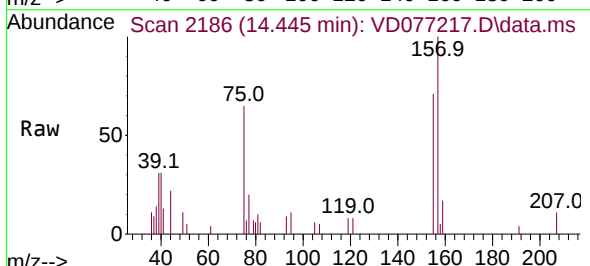
RT: 14.445 min Scan# 2186

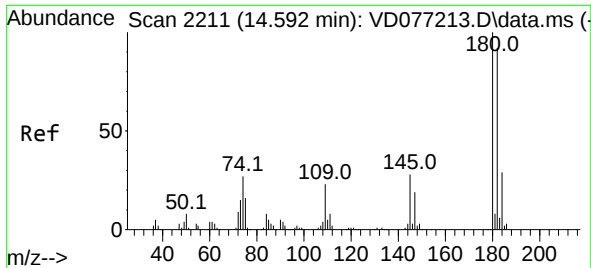
Delta R.T. 0.000 min

Lab File: VD077217.D

Acq: 25 Sep 2023 15:13

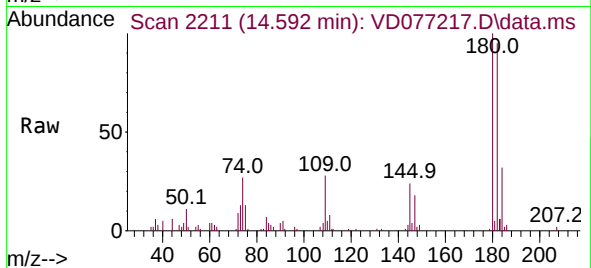
Tgt Ion:	75	Resp:	4409
Ion Ratio	Lower	Upper	
75	100		
155	109.7	69.8	104.6#
157	154.7	91.5	137.3#



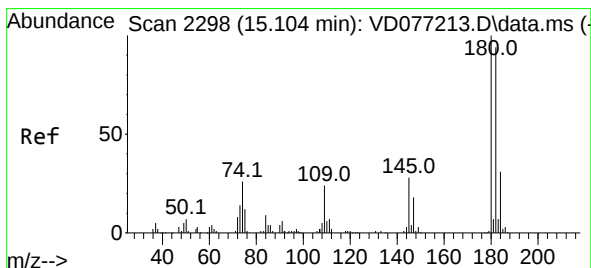
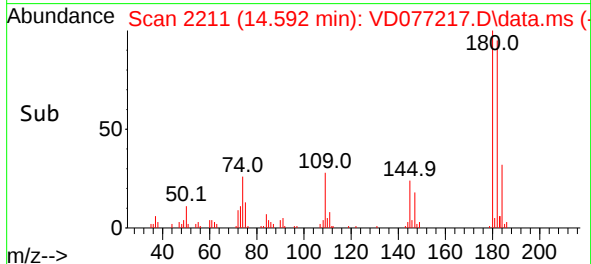
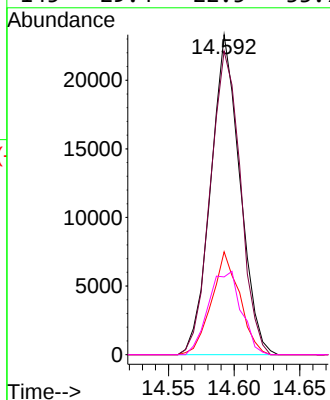


#69
 1,3,5-Trichlorobenzene
 Concen: 5.921 ug/L
 RT: 14.592 min Scan# 2211
 Delta R.T. 0.000 min
 Lab File: VD077217.D
 Acq: 25 Sep 2023 15:13

Instrument :
 MSVOA_D
 ClientSampleId :

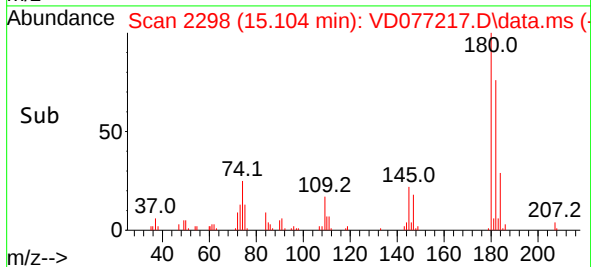
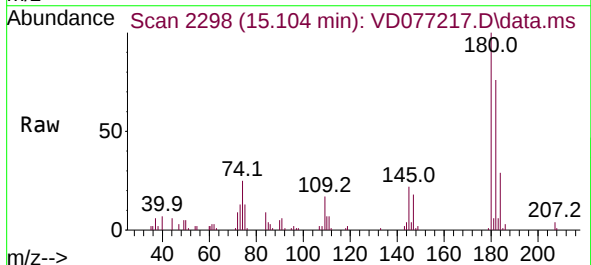
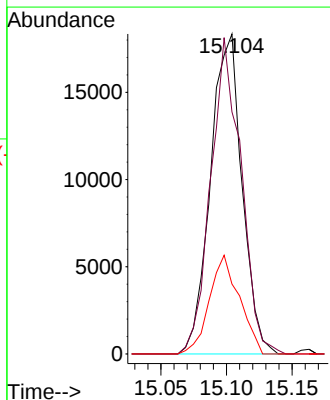


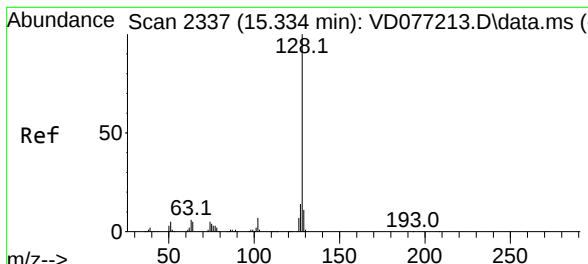
Tgt Ion:	180	Resp:	36118
Ion Ratio	Lower	Upper	
180	100		
182	97.5	75.2	112.8
184	30.8	25.0	37.4
145	29.4	22.5	33.7



#70
 1,2,4-trichlorobenzene
 Concen: 5.895 ug/L
 RT: 15.104 min Scan# 2298
 Delta R.T. 0.000 min
 Lab File: VD077217.D
 Acq: 25 Sep 2023 15:13

Tgt Ion:	180	Resp:	30660
Ion Ratio	Lower	Upper	
180	100		
182	95.1	76.8	115.2
145	29.4	23.0	34.6

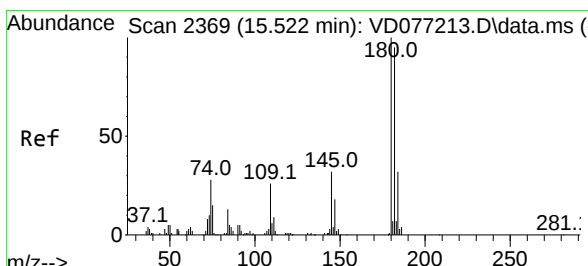
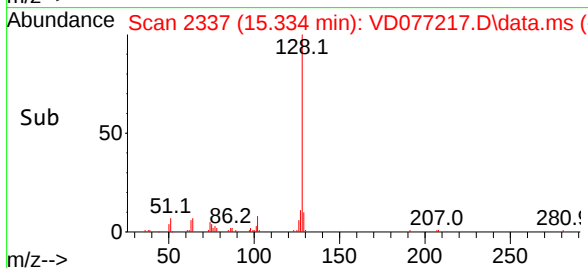
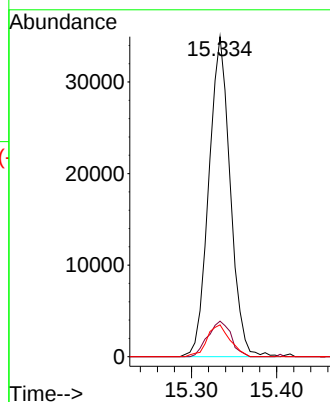
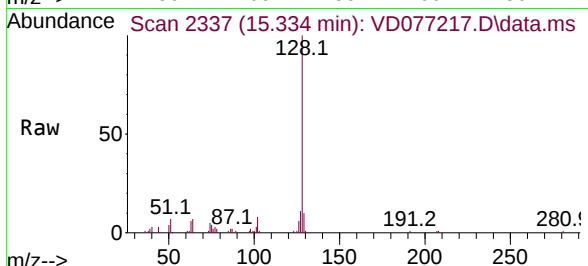




#71
Naphthalene
Concen: 5.835 ug/L
RT: 15.334 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD077217.D
Acq: 25 Sep 2023 15:13

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:	128	Resp:	61018
Ion Ratio	Lower	Upper	
128	100		
127	12.0	10.5	15.7
129	10.7	8.7	13.1



#72
1,2,3-Trichlorobenzene
Concen: 5.897 ug/L
RT: 15.522 min Scan# 2369
Delta R.T. 0.000 min
Lab File: VD077217.D
Acq: 25 Sep 2023 15:13

Tgt Ion:	180	Resp:	28417
Ion Ratio	Lower	Upper	
180	100		
182	96.6	77.4	116.2
145	30.8	25.5	38.3

