

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092223\
 Data File : VD077191.D
 Acq On : 22 Sep 2023 09:31
 Operator : JC/SY
 Sample : VSTDCCC025
 Misc : 5.00G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 22 23:37:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Sep 22 01:29:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	277058	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	275973	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	145985	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	157703	23.100	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.400%
7) Chloroethane-d5	2.799	69	119189	21.231	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.920%
11) 1,1-Dichloroethene-d2	3.916	65	34581	22.299	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.200%
21) 2-Butanone-d5	6.981	46	48050	55.870	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.740%
24) Chloroform-d	7.569	84	197891	26.103	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.400%
26) 1,2-Dichloroethane-d4	8.228	65	94160	26.205	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.840%
32) Benzene-d6	8.198	84	382069	25.066	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.280%
36) 1,2-Dichloropropane-d6	9.210	67	113855	26.047	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.200%
41) Toluene-d8	10.269	98	349112	25.021	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.080%
43) trans-1,3-Dichloroprop...	10.522	79	46073	23.133	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.520%
47) 2-Hexanone-d5	10.875	63	38987	55.844	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.680%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	109791	28.174	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.680%
66) 1,2-Dichlorobenzene-d4	13.816	152	113808	24.288	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.160%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	85742	24.132	ug/L	97
3) Chloromethane	2.146	50	123976	20.562	ug/L	99
5) Vinyl chloride	2.281	62	164041	23.194	ug/L	97
6) Bromomethane	2.693	94	89306	18.076	ug/L	95
8) Chloroethane	2.840	64	99876	21.518	ug/L	95
9) Trichlorofluoromethane	3.169	101	164603	24.613	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.963	101	104704	25.595	ug/L	98
12) 1,1-Dichloroethene	3.940	96	85732	23.044	ug/L	95
13) Acetone	4.016	43	68772	55.742	ug/L	99
14) Carbon disulfide	4.269	76	243283	20.200	ug/L	97
15) Methyl Acetate	4.557	43	26067	15.796	ug/L #	74
16) Methylene chloride	4.799	84	120019	21.285	ug/L	99
17) trans-1,2-Dichloroethene	5.304	96	97267	24.012	ug/L	94
18) Methyl tert-butyl Ether	5.322	73	211796	24.210	ug/L #	87
19) 1,1-Dichloroethane	6.104	63	175806	25.740	ug/L	96
20) cis-1,2-Dichloroethene	7.075	96	112228	24.199	ug/L	95
22) 2-Butanone	7.081	43	75933	51.016	ug/L	98
23) Bromochloromethane	7.422	128	54123	24.454	ug/L	92
25) Chloroform	7.598	83	199313	26.134	ug/L	95

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 Response via : Initial Calibration

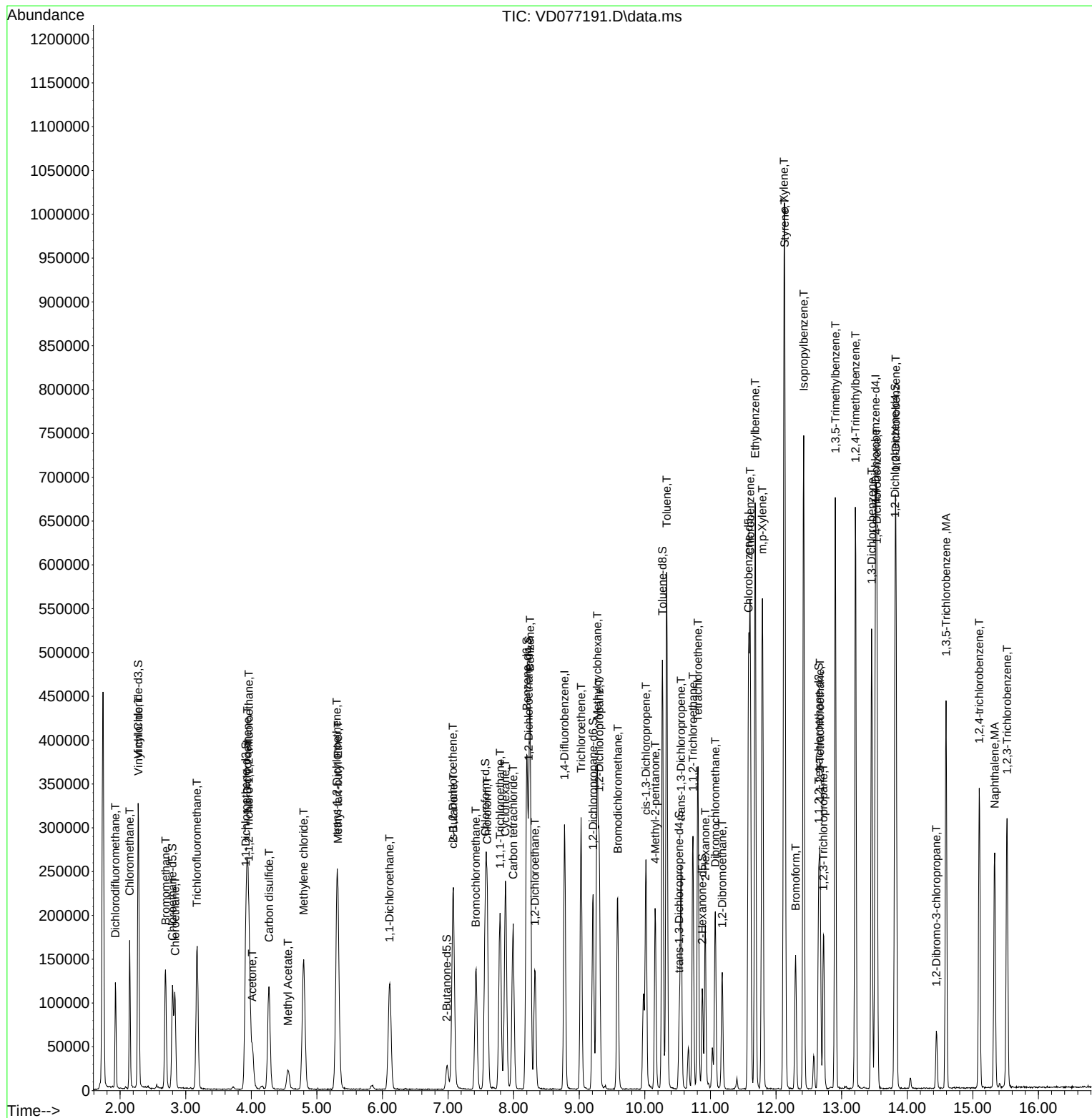
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	114966	25.169	ug/L	98
29) Cyclohexane	7.875	56	122799	23.662	ug/L	95
30) 1,1,1-Trichloroethane	7.793	97	167146	25.909	ug/L	98
31) Carbon tetrachloride	7.993	117	140668	25.776	ug/L	97
33) Benzene	8.251	78	421274	25.412	ug/L	100
34) Trichloroethene	9.028	95	106341	24.191	ug/L	97
35) Methylcyclohexane	9.275	83	150799	22.245	ug/L	97
37) 1,2-Dichloropropane	9.304	63	107817	25.785	ug/L #	93
38) Bromodichloromethane	9.587	83	148696	25.776	ug/L	96
39) cis-1,3-Dichloropropene	10.016	75	163183	24.546	ug/L	98
40) 4-Methyl-2-pentanone	10.157	43	128817	56.053	ug/L	98
42) Toluene	10.334	91	460694	25.656	ug/L	98
44) trans-1,3-Dichloropropene	10.551	75	144369	25.401	ug/L	96
45) 1,1,2-Trichloroethane	10.734	97	95128	26.884	ug/L	91
46) Tetrachloroethene	10.810	164	85586	23.816	ug/L	96
48) 2-Hexanone	10.922	43	107192	60.484	ug/L	98
49) Dibromochloromethane	11.075	129	106170	25.690	ug/L	99
50) 1,2-Dibromoethane	11.181	107	89044	25.473	ug/L #	91
51) Chlorobenzene	11.604	112	291607	24.287	ug/L	94
52) Ethylbenzene	11.681	91	487177	25.070	ug/L	99
53) m,p-Xylene	11.792	106	192076	25.598	ug/L	95
54) o-Xylene	12.122	106	179295	24.754	ug/L	95
55) Styrene	12.134	104	335822	25.944	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.669	83	116269	27.938	ug/L	100
59) Bromoform	12.298	173	68100	25.865	ug/L	96
60) Isopropylbenzene	12.422	105	480997	25.564	ug/L	99
61) 1,2,3-Trichloropropane	12.722	75	74180	26.621	ug/L	98
62) 1,3,5-Trimethylbenzene	12.904	105	356924	24.526	ug/L	100
63) 1,2,4-Trimethylbenzene	13.210	105	357279	25.059	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	222970	24.874	ug/L	97
65) 1,4-Dichlorobenzene	13.539	146	232260	24.802	ug/L	96
67) 1,2-Dichlorobenzene	13.828	146	202174	24.522	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.445	75	15927	27.330	ug/L	94
69) 1,3,5-Trichlorobenzene	14.592	180	140950	23.860	ug/L	98
70) 1,2,4-trichlorobenzene	15.098	180	117626	23.265	ug/L	97
71) Naphthalene	15.333	128	239834	23.729	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	108845	23.439	ug/L	100

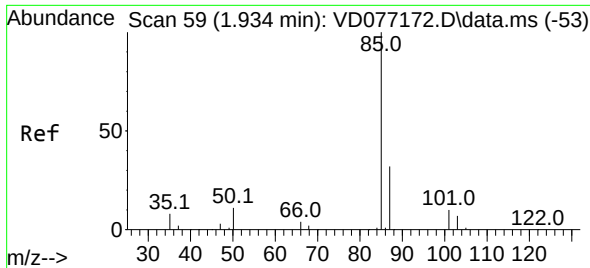
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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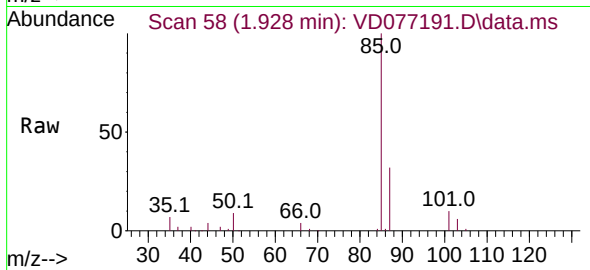
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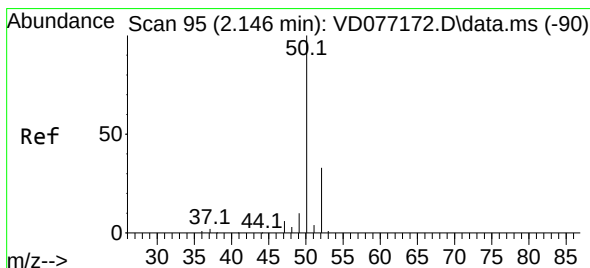
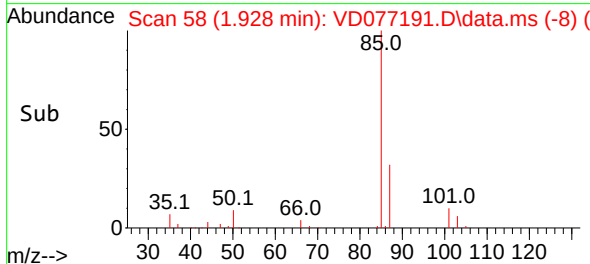
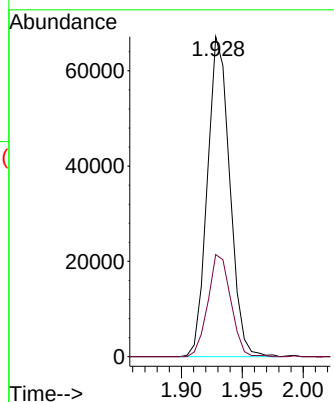


#2
 Dichlorodifluoromethane
 Concen: 24.132 ug/L
 RT: 1.928 min Scan# 58
 Delta R.T. -0.006 min
 Lab File: VD077191.D
 Acq: 22 Sep 2023 09:31

Instrument :
 MSVOA_D
 ClientSampleId :

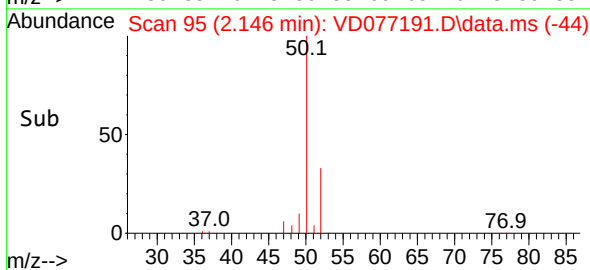
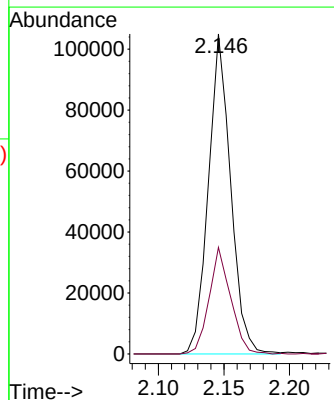
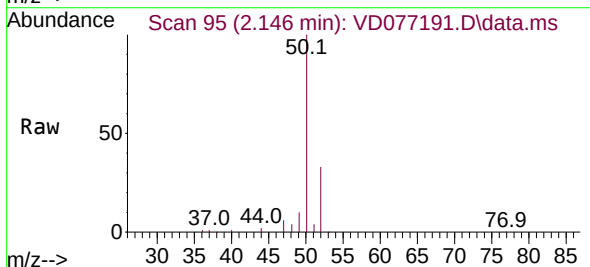


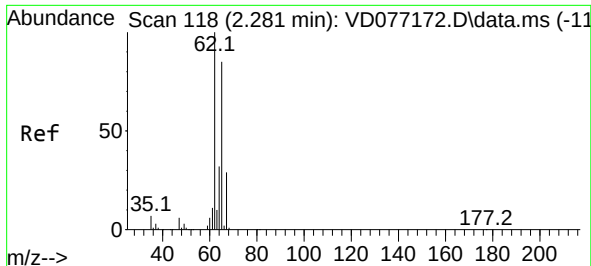
Tgt Ion: 85 Resp: 85742
 Ion Ratio Lower Upper
 85 100
 87 32.4 27.0 40.6



#3
 Chloromethane
 Concen: 20.562 ug/L
 RT: 2.146 min Scan# 95
 Delta R.T. -0.000 min
 Lab File: VD077191.D
 Acq: 22 Sep 2023 09:31

Tgt Ion: 50 Resp: 123976
 Ion Ratio Lower Upper
 50 100
 52 33.3 23.5 43.7

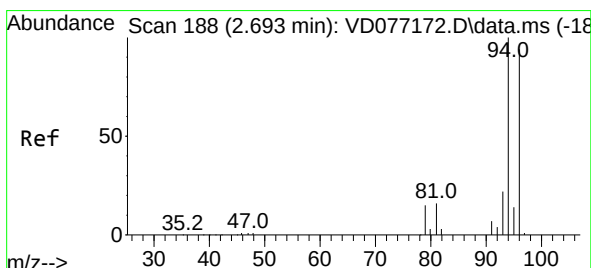
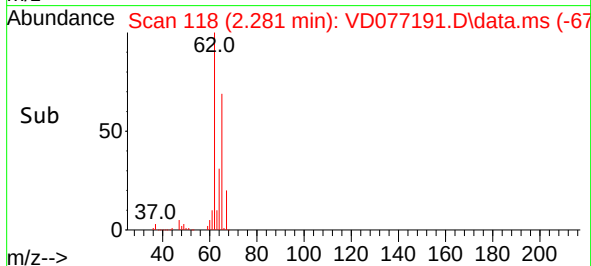
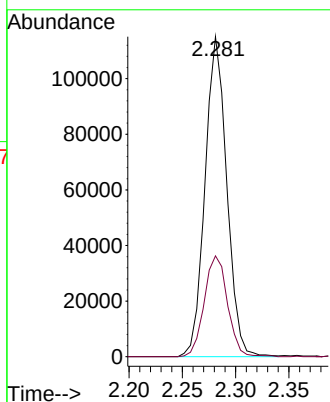
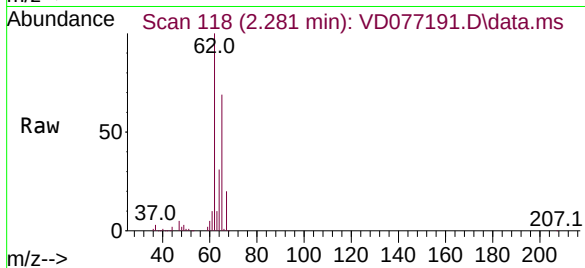




#5
 Vinyl chloride
 Concen: 23.194 ug/L
 RT: 2.281 min Scan# 118
 Delta R.T. -0.000 min
 Lab File: VD077191.D
 Acq: 22 Sep 2023 09:31

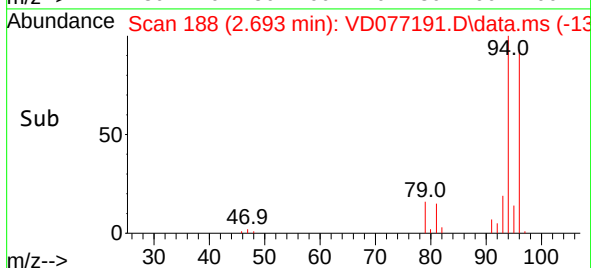
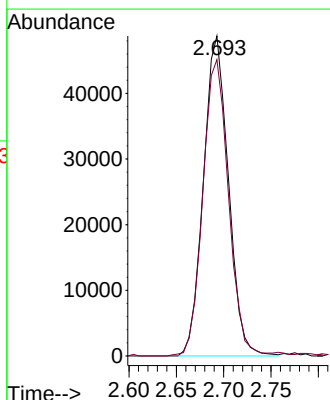
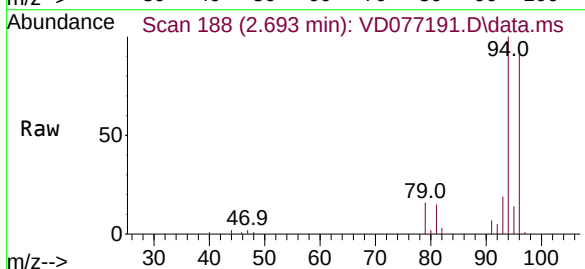
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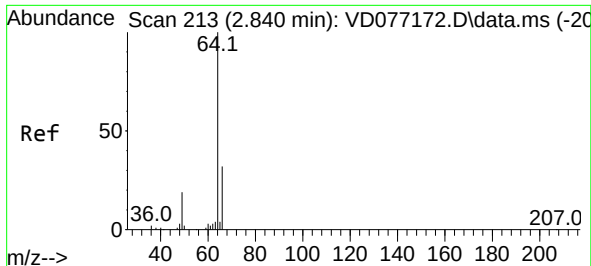
Tgt Ion: 62 Resp: 164041
 Ion Ratio Lower Upper
 62 100
 64 31.5 23.2 43.2



#6
 Bromomethane
 Concen: 18.076 ug/L
 RT: 2.693 min Scan# 188
 Delta R.T. -0.000 min
 Lab File: VD077191.D
 Acq: 22 Sep 2023 09:31

Tgt Ion: 94 Resp: 89306
 Ion Ratio Lower Upper
 94 100
 96 92.6 68.2 126.6

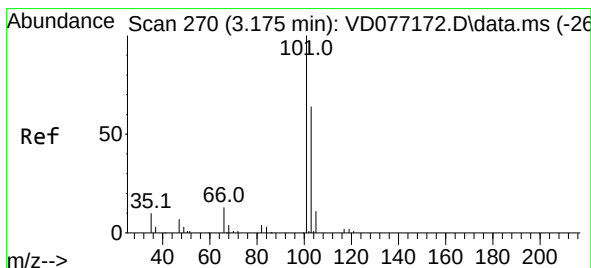
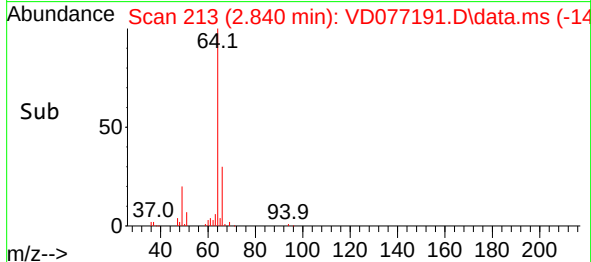
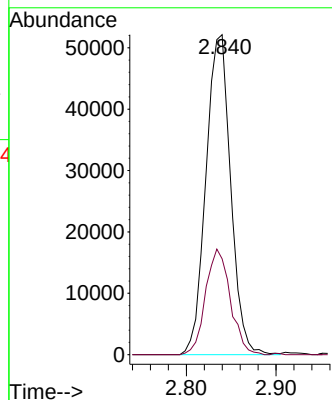
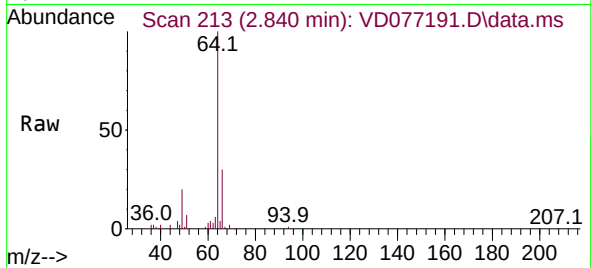




#8
Chloroethane
Concen: 21.518 ug/L
RT: 2.840 min Scan# 213
Delta R.T. -0.000 min
Lab File: VD077191.D
Acq: 22 Sep 2023 09:31

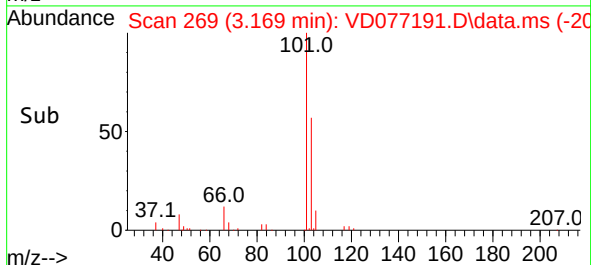
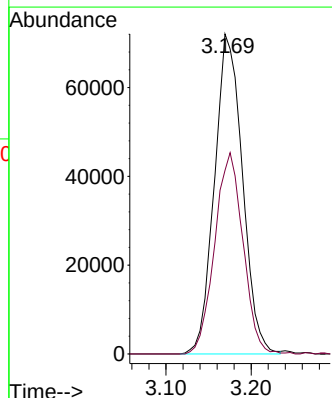
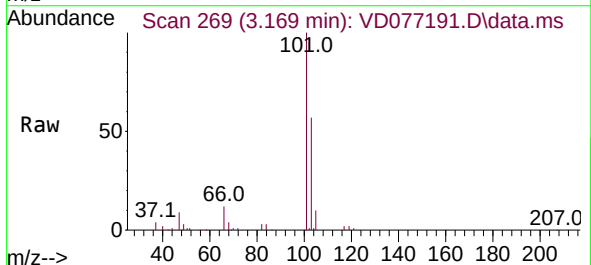
Instrument :
MSVOA_D
ClientSampleId :

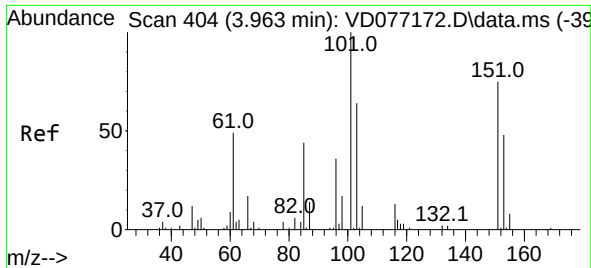
Tgt Ion: 64 Resp: 99876
Ion Ratio Lower Upper
64 100
66 30.0 23.0 42.6



#9
Trichlorofluoromethane
Concen: 24.613 ug/L
RT: 3.169 min Scan# 269
Delta R.T. -0.006 min
Lab File: VD077191.D
Acq: 22 Sep 2023 09:31

Tgt Ion:101 Resp: 164603
Ion Ratio Lower Upper
101 100
103 63.6 52.0 78.0

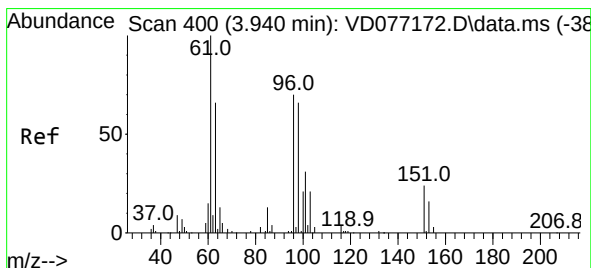
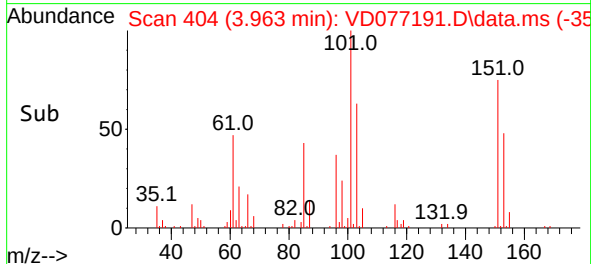
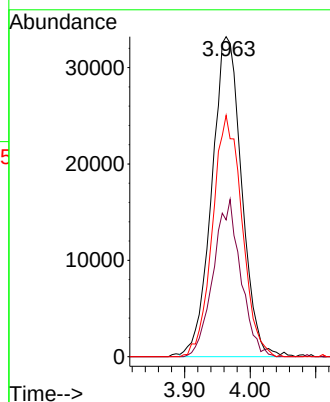
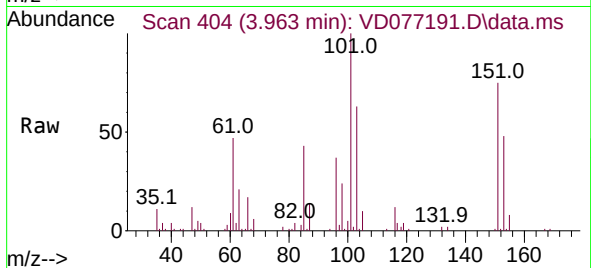




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 25.595 ug/L
 RT: 3.963 min Scan# 404
 Delta R.T. -0.000 min
 Lab File: VD077191.D
 Acq: 22 Sep 2023 09:31

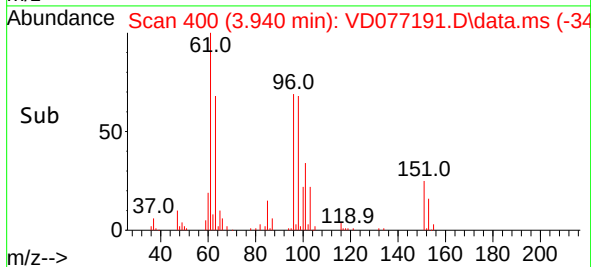
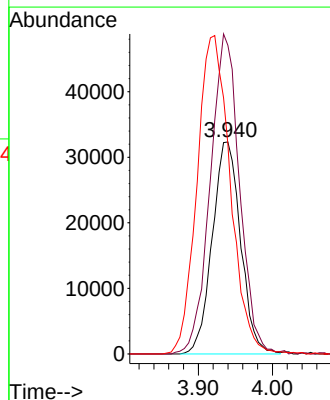
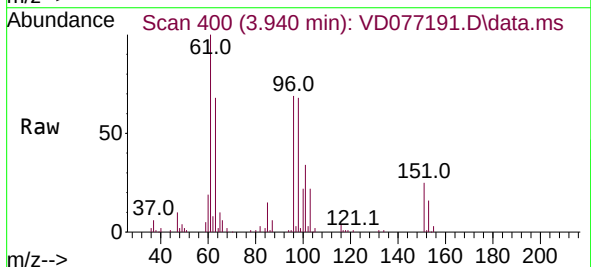
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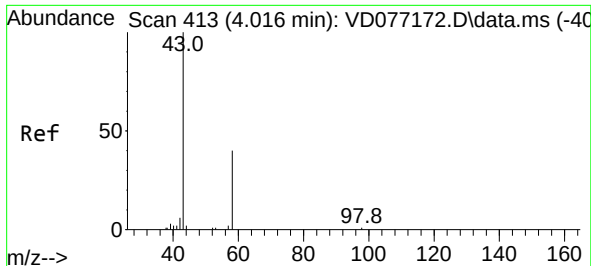
Tgt Ion:101 Resp: 104704
 Ion Ratio Lower Upper
 101 100
 85 45.2 33.4 50.2
 151 74.5 59.6 89.4



#12
 1,1-Dichloroethene
 Concen: 23.044 ug/L
 RT: 3.940 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VD077191.D
 Acq: 22 Sep 2023 09:31

Tgt Ion: 96 Resp: 85732
 Ion Ratio Lower Upper
 96 100
 61 145.6 95.5 177.3
 63 98.9 68.6 127.4

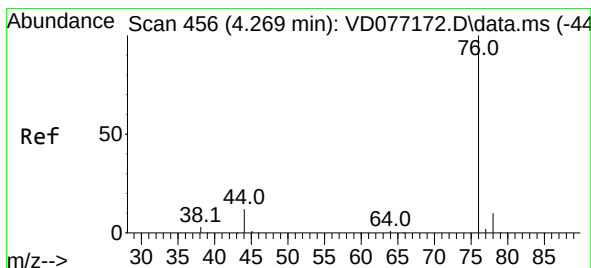
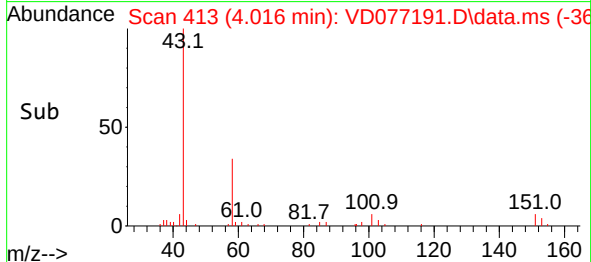
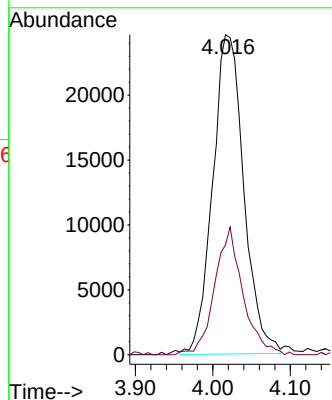
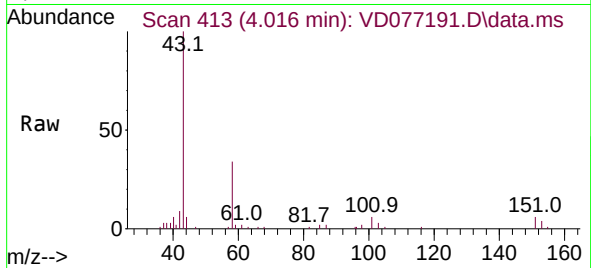




#13
Acetone
Concen: 55.742 ug/L
RT: 4.016 min Scan# 413
Delta R.T. -0.000 min
Lab File: VD077191.D
Acq: 22 Sep 2023 09:31

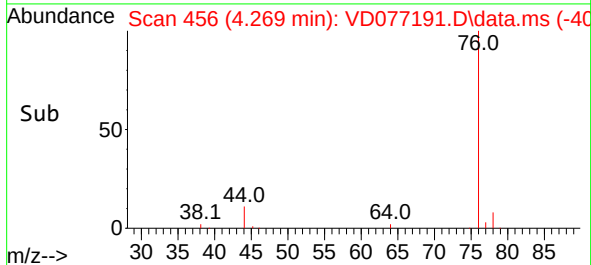
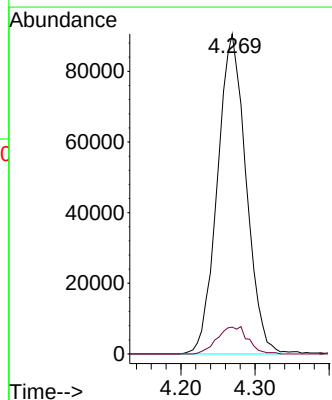
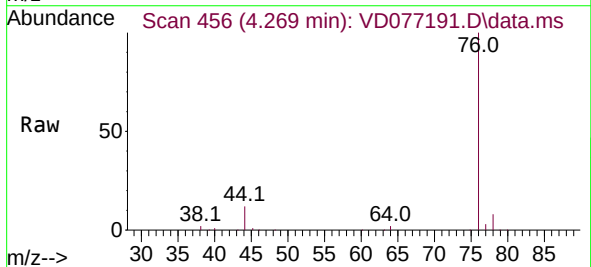
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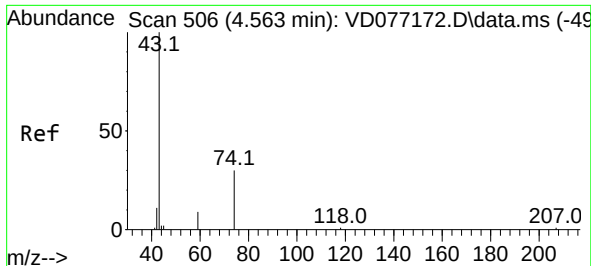
Tgt Ion: 43 Resp: 68772
Ion Ratio Lower Upper
43 100
58 35.5 0.0 71.8



#14
Carbon disulfide
Concen: 20.200 ug/L
RT: 4.269 min Scan# 456
Delta R.T. -0.000 min
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Tgt Ion: 76 Resp: 243283
Ion Ratio Lower Upper
76 100
78 8.4 7.5 11.3

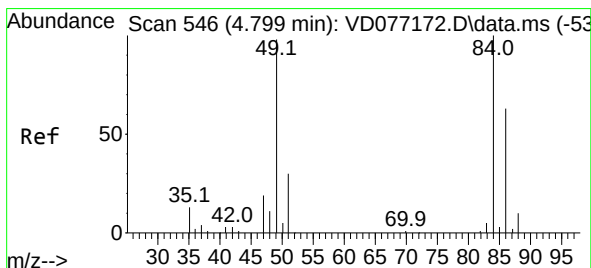
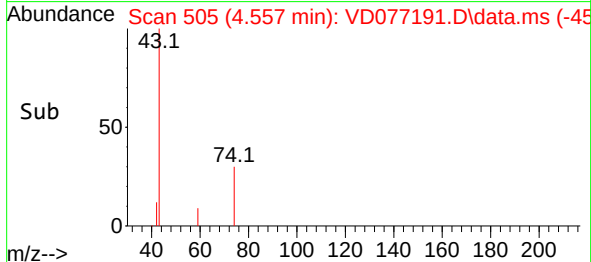
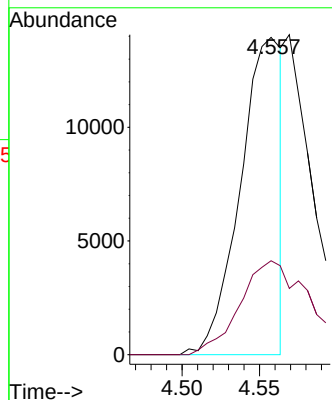
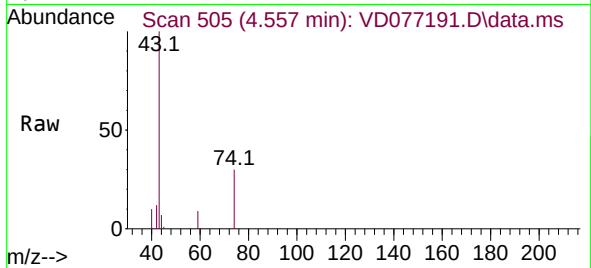




#15
Methyl Acetate
Concen: 15.796 ug/L
RT: 4.557 min Scan# 506
Delta R.T. -0.006 min
Lab File: VD077191.D
Acq: 22 Sep 2023 09:31

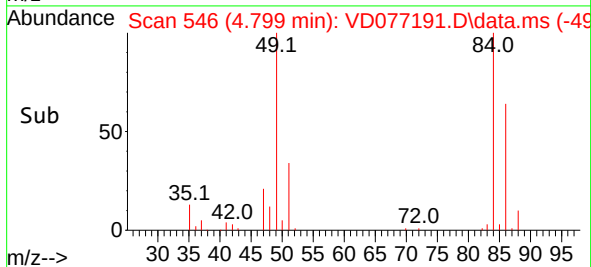
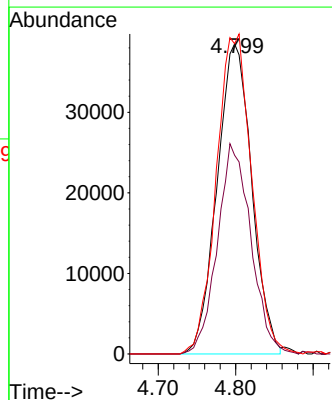
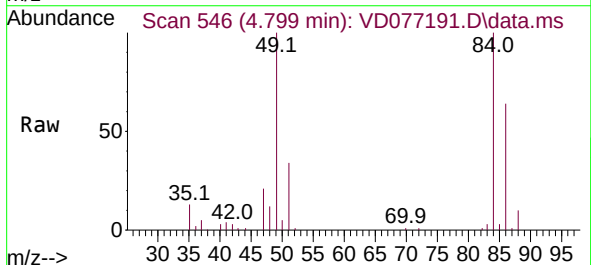
Instrument :
MSVOA_D
ClientSampleId :

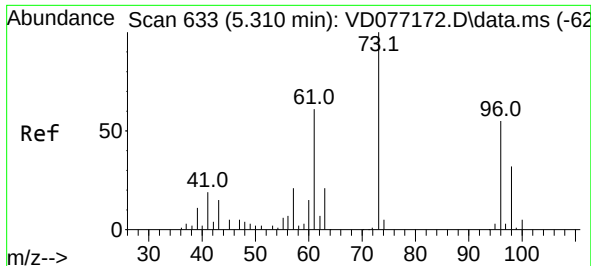
Tgt Ion: 43 Resp: 26067
Ion Ratio Lower Upper
43 100
74 33.8 0.2 0.2#



#16
Methylene chloride
Concen: 21.285 ug/L
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD077191.D
Acq: 22 Sep 2023 09:31

Tgt Ion: 84 Resp: 120019
Ion Ratio Lower Upper
84 100
86 64.1 45.3 84.1
49 100.1 69.2 128.6





#17

trans-1,2-Dichloroethene

Concen: 24.012 ug/L

RT: 5.304 min Scan# 61

Delta R.T. -0.006 min

Lab File: VD077191.D

Acq: 22 Sep 2023 09:31

Instrument :

MSVOA_D

ClientSampleId :

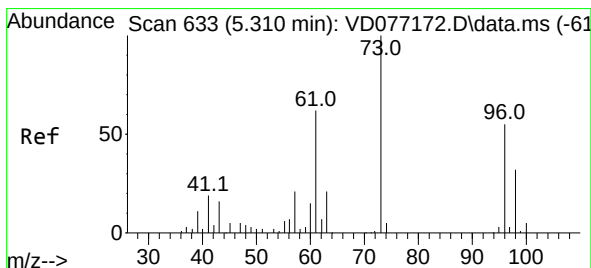
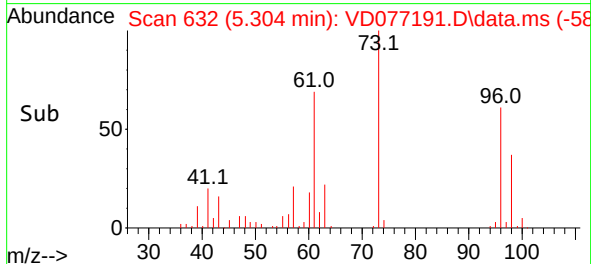
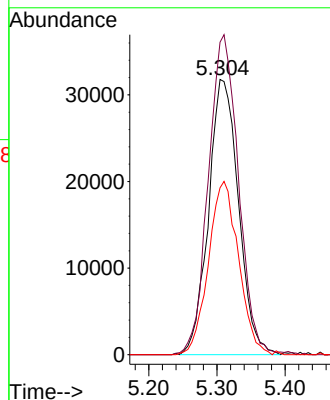
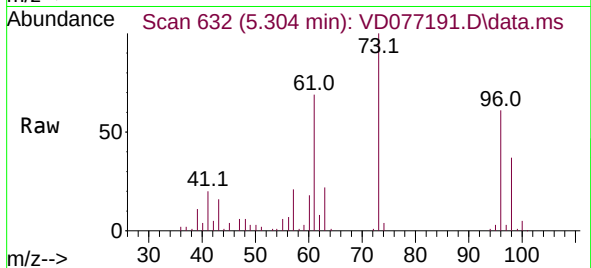
Tgt Ion: 96 Resp: 97267

Ion Ratio Lower Upper

96 100

61 113.5 85.1 158.1

98 60.6 43.7 81.1



#18

Methyl tert-butyl Ether

Concen: 24.210 ug/L

RT: 5.322 min Scan# 635

Delta R.T. 0.012 min

Lab File: VD077191.D

Acq: 22 Sep 2023 09:31

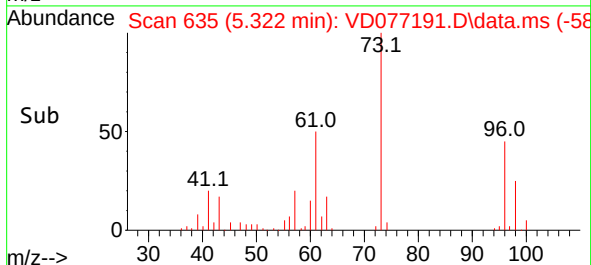
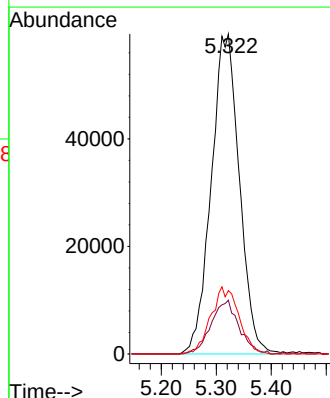
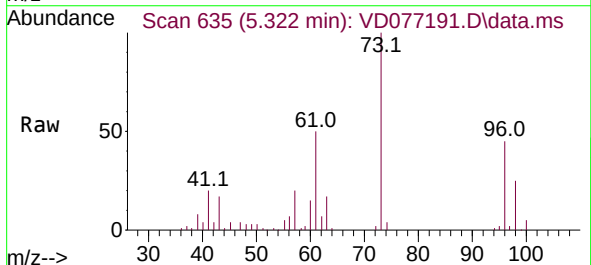
Tgt Ion: 73 Resp: 211796

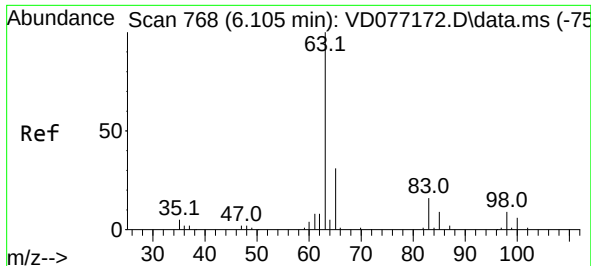
Ion Ratio Lower Upper

73 100

43 16.5 12.5 18.7

57 11.4 16.8 25.2#





#19

1,1-Dichloroethane

Concen: 25.740 ug/L

RT: 6.104 min Scan# 7

Delta R.T. -0.000 min

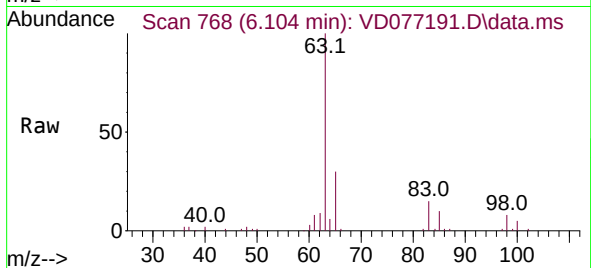
Lab File: VD077191.D

Acq: 22 Sep 2023 09:31

Instrument :

MSVOA_D

ClientSampleId :



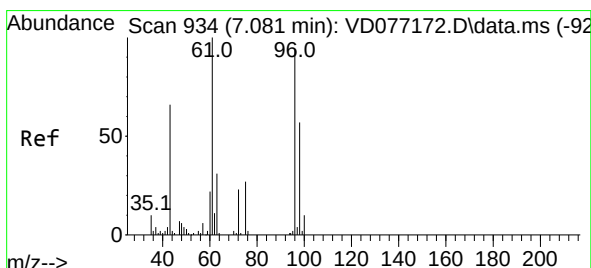
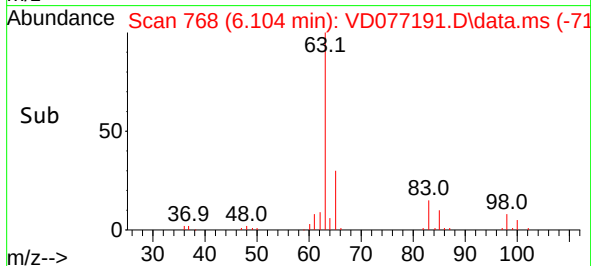
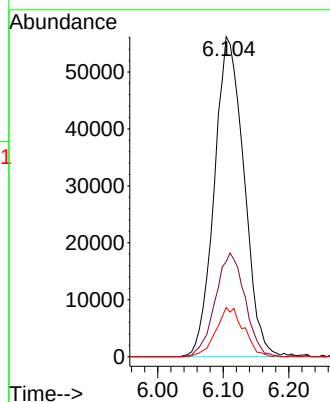
Tgt Ion: 63 Resp: 175806

Ion Ratio Lower Upper

63 100

65 29.7 22.5 41.9

83 15.4 9.9 18.5



#20

cis-1,2-Dichloroethene

Concen: 24.199 ug/L

RT: 7.075 min Scan# 933

Delta R.T. -0.006 min

Lab File: VD077191.D

Acq: 22 Sep 2023 09:31

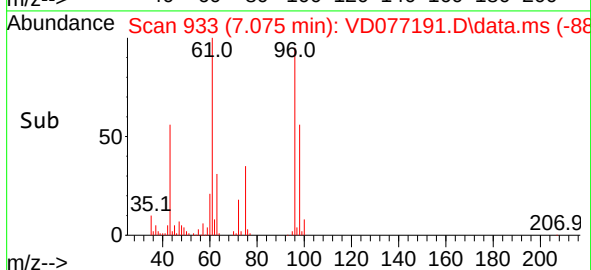
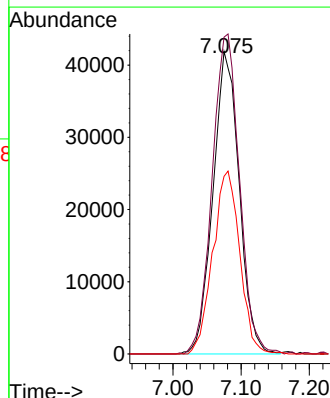
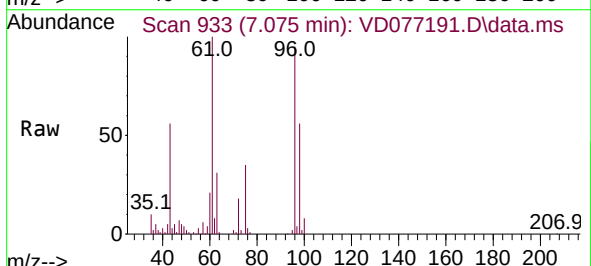
Tgt Ion: 96 Resp: 112228

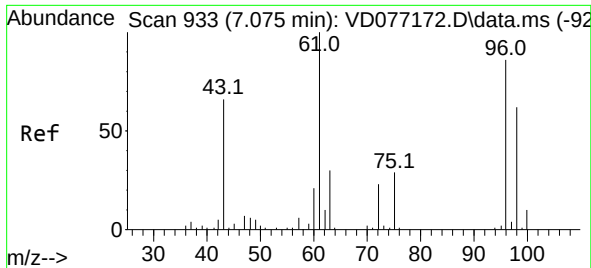
Ion Ratio Lower Upper

96 100

61 104.8 75.5 140.1

98 58.7 45.8 85.0

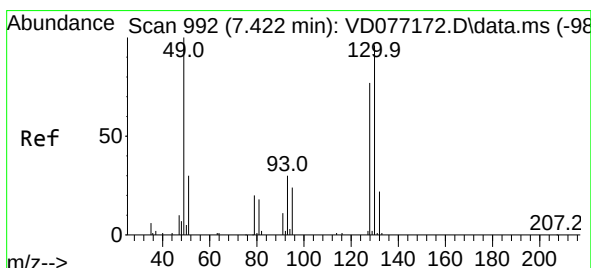
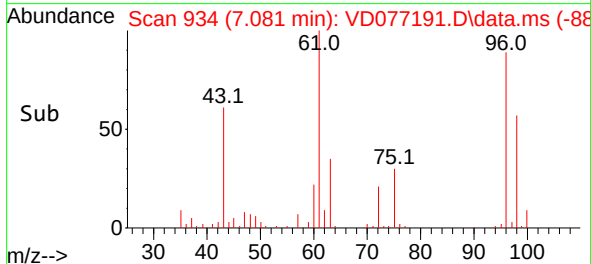
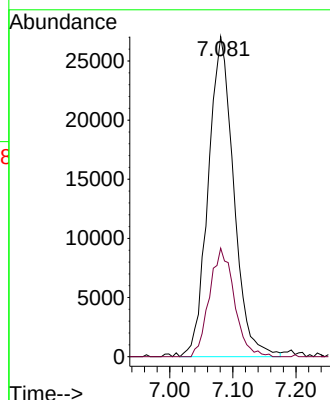
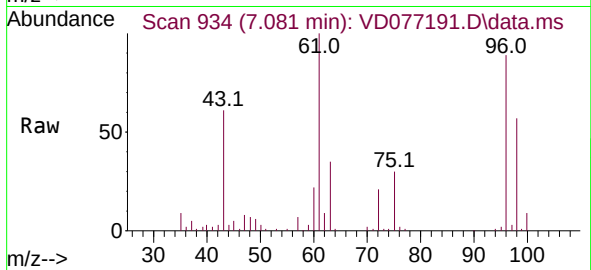




#22
2-Butanone
Concen: 51.016 ug/L
RT: 7.081 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD077191.D
Acq: 22 Sep 2023 09:31

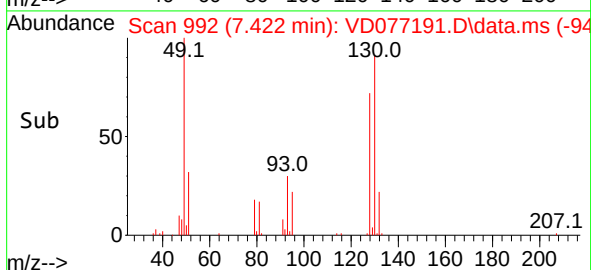
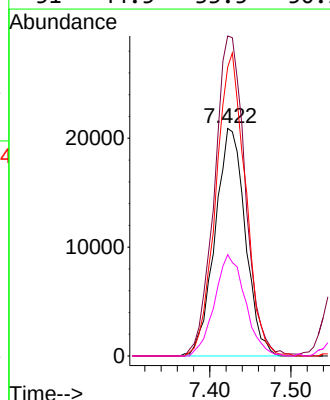
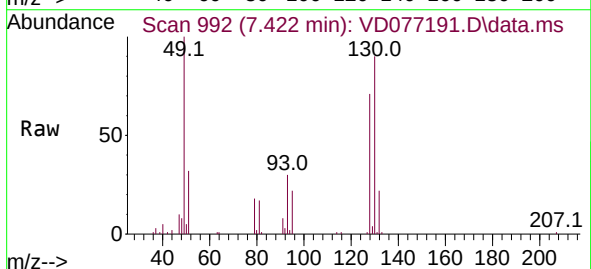
Instrument :
MSVOA_D
ClientSampleId :

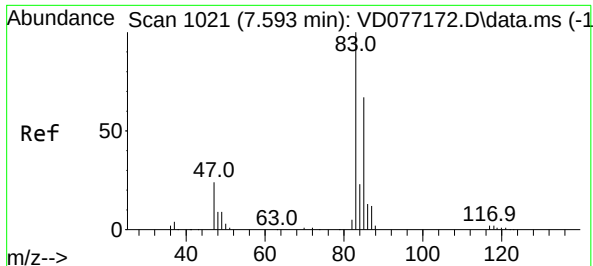
Tgt Ion: 43 Resp: 75933
Ion Ratio Lower Upper
43 100
72 32.9 16.0 48.0



#23
Bromochloromethane
Concen: 24.454 ug/L
RT: 7.422 min Scan# 992
Delta R.T. -0.000 min
Lab File: VD077191.D
Acq: 22 Sep 2023 09:31

Tgt Ion:128 Resp: 54123
Ion Ratio Lower Upper
128 100
49 140.6 86.5 160.6
130 127.0 91.2 169.4
51 44.5 33.5 50.3





#25

Chloroform

Concen: 26.134 ug/L

RT: 7.598 min Scan# 1021

Delta R.T. 0.006 min

Lab File: VD077191.D

Acq: 22 Sep 2023 09:31

Instrument :

MSVOA_D

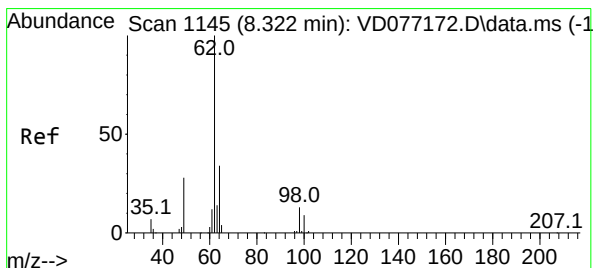
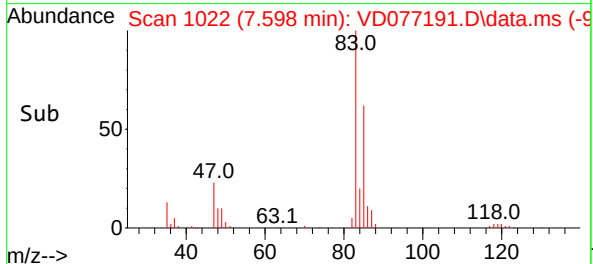
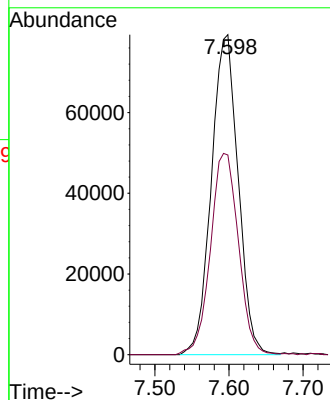
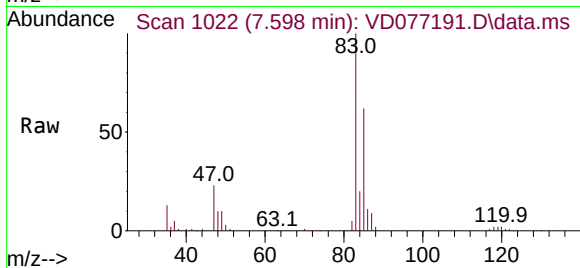
ClientSampleId :

Tgt Ion: 83 Resp: 199313

Ion Ratio Lower Upper

83 100

85 62.4 46.2 85.8



#27

1,2-Dichloroethane

Concen: 25.169 ug/L

RT: 8.322 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VD077191.D

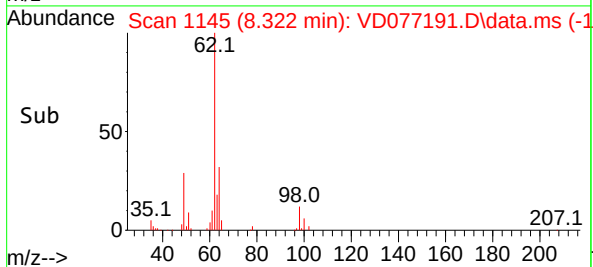
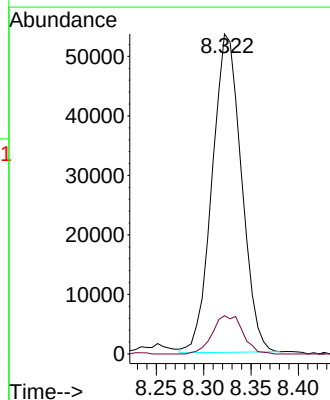
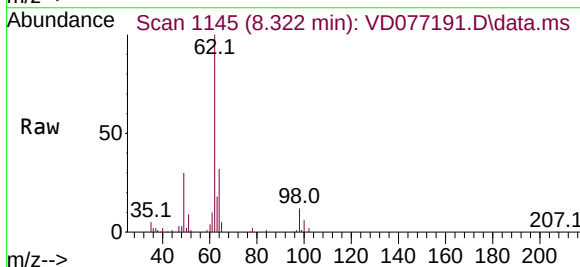
Acq: 22 Sep 2023 09:31

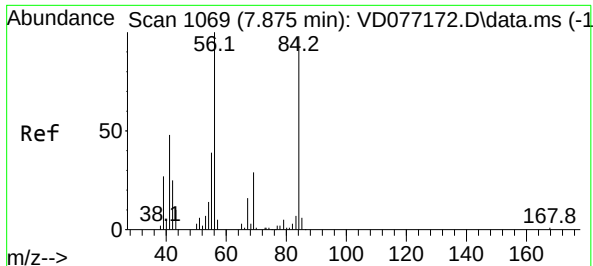
Tgt Ion: 62 Resp: 114966

Ion Ratio Lower Upper

62 100

98 12.0 9.0 13.4





#29

Cyclohexane

Concen: 23.662 ug/L

RT: 7.875 min Scan# 1069

Delta R.T. -0.000 min

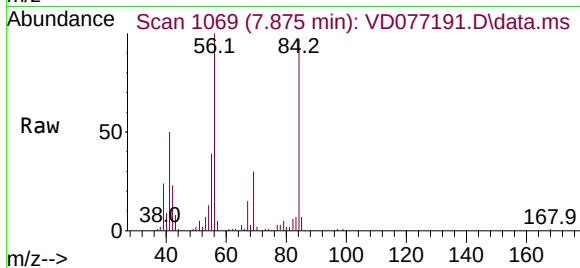
Lab File: VD077191.D

Acq: 22 Sep 2023 09:31

Instrument :

MSVOA_D

ClientSampleId :



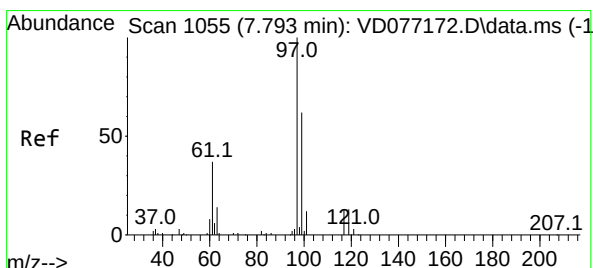
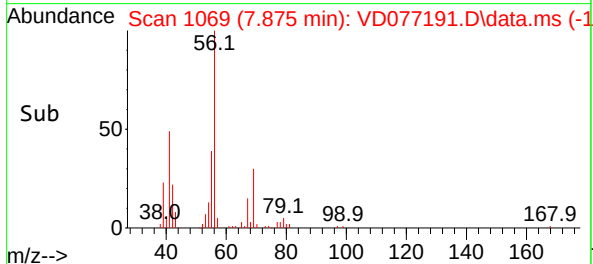
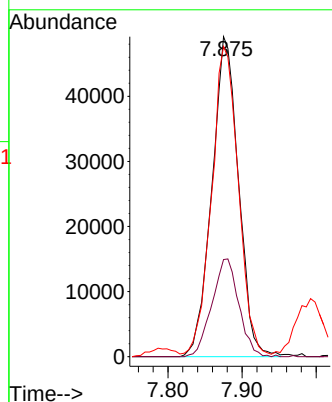
Tgt Ion: 56 Resp: 122799

Ion Ratio Lower Upper

56 100

69 30.7 25.5 38.3

84 97.5 82.6 124.0



#30

1,1,1-Trichloroethane

Concen: 25.909 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VD077191.D

Acq: 22 Sep 2023 09:31

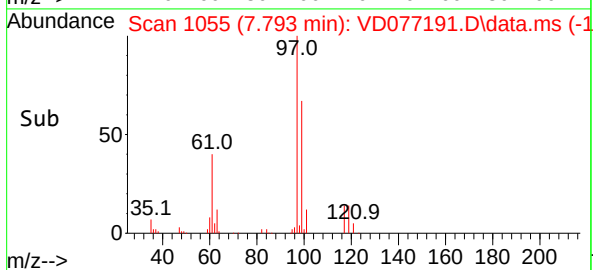
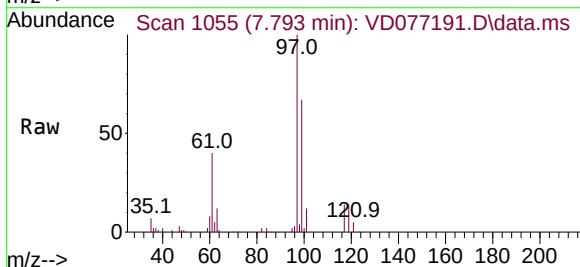
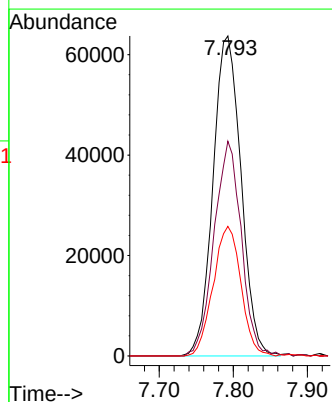
Tgt Ion: 97 Resp: 167146

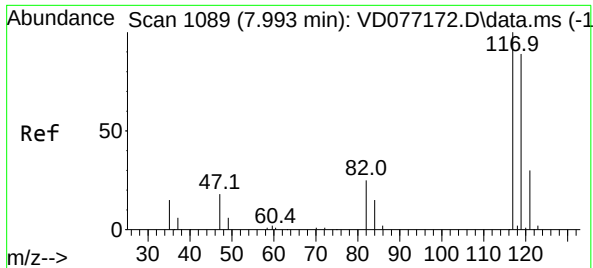
Ion Ratio Lower Upper

97 100

99 65.2 50.7 76.1

61 40.2 32.6 48.8

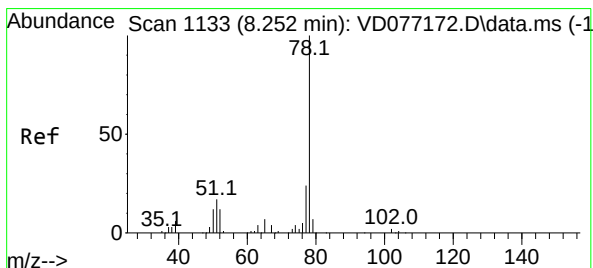
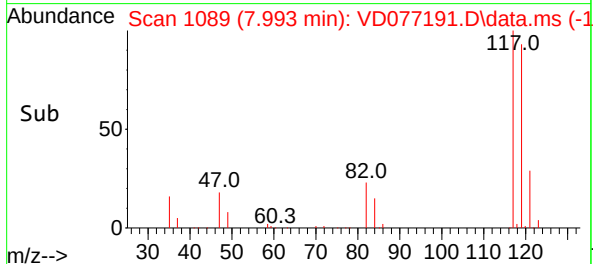
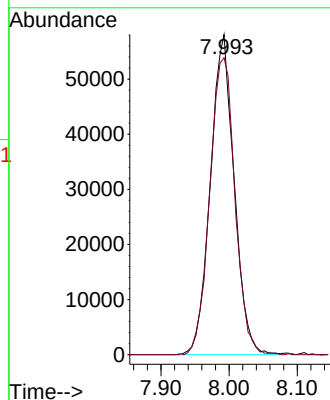
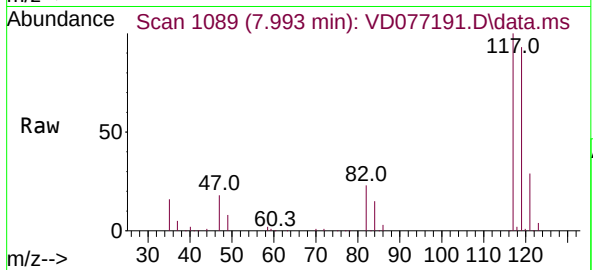




#31
Carbon tetrachloride
Concen: 25.776 ug/L
RT: 7.993 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VD077191.D
Acq: 22 Sep 2023 09:31

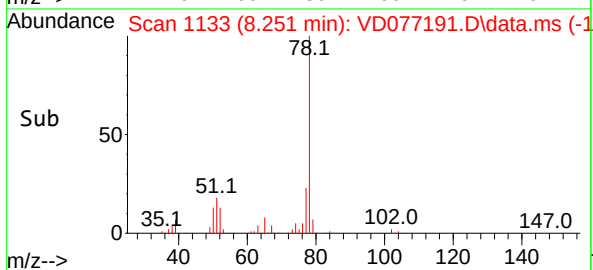
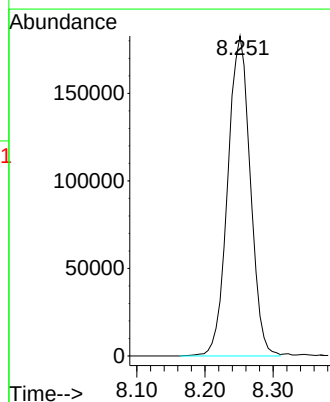
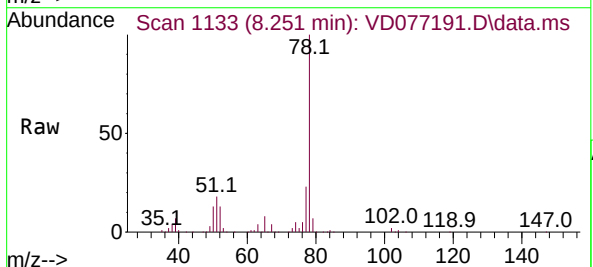
Instrument :
MSVOA_D
ClientSampleId :

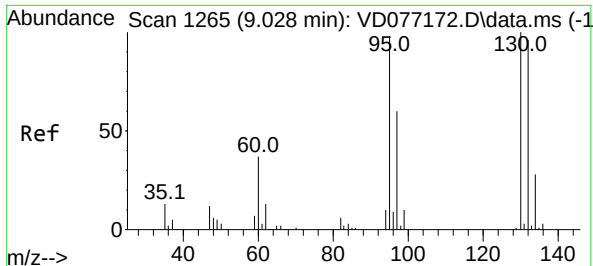
Tgt Ion:117 Resp: 140668
Ion Ratio Lower Upper
117 100
119 98.4 76.2 114.4



#33
Benzene
Concen: 25.412 ug/L
RT: 8.251 min Scan# 1133
Delta R.T. -0.000 min
Lab File: VD077191.D
Acq: 22 Sep 2023 09:31

Tgt Ion: 78 Resp: 421274

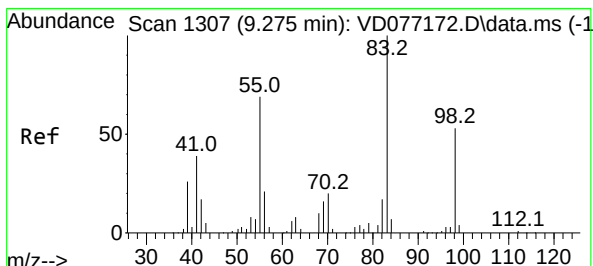
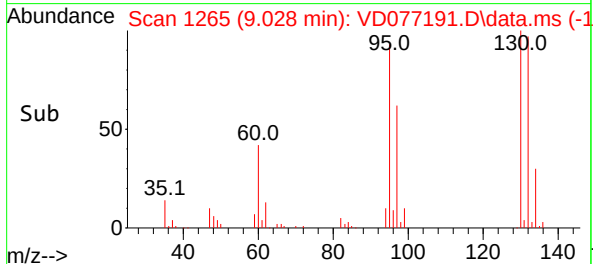
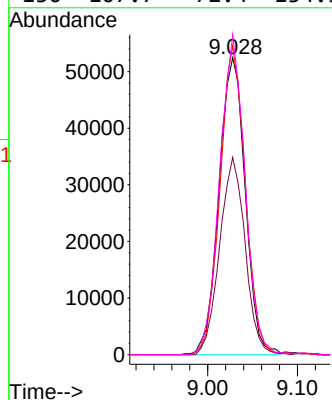
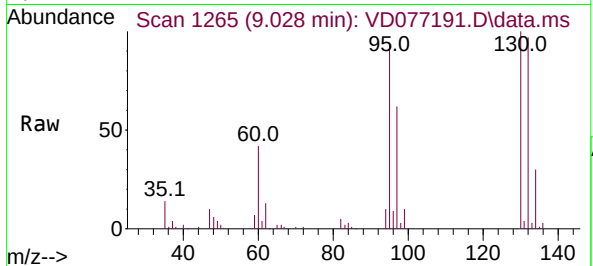




#34
Trichloroethene
Concen: 24.191 ug/L
RT: 9.028 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077191.D
Acq: 22 Sep 2023 09:31

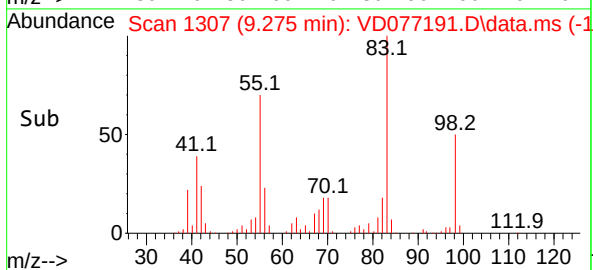
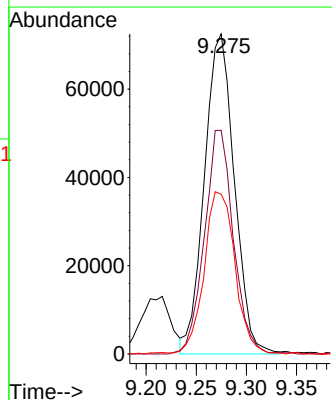
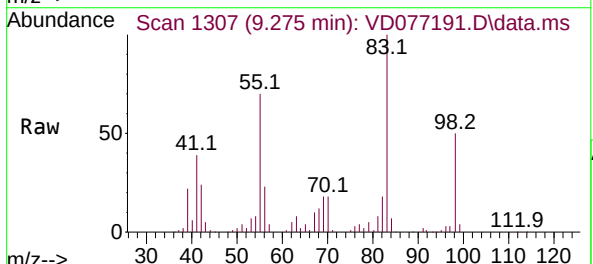
Instrument :
MSVOA_D
ClientSampleId :

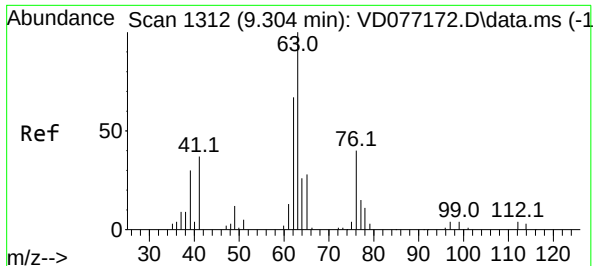
Tgt Ion: 95 Resp: 106341
Ion Ratio Lower Upper
95 100
97 66.4 46.4 86.2
132 104.0 70.1 130.1
130 107.7 72.4 134.5



#35
Methylcyclohexane
Concen: 22.245 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. -0.000 min
Lab File: VD077191.D
Acq: 22 Sep 2023 09:31

Tgt Ion: 83 Resp: 150799
Ion Ratio Lower Upper
83 100
55 67.4 51.5 77.3
98 52.1 40.7 61.1





#37

1,2-Dichloropropane

Concen: 25.785 ug/L

RT: 9.304 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD077191.D

Acq: 22 Sep 2023 09:31

Instrument :

MSVOA_D

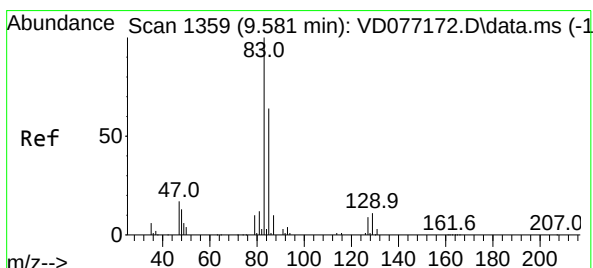
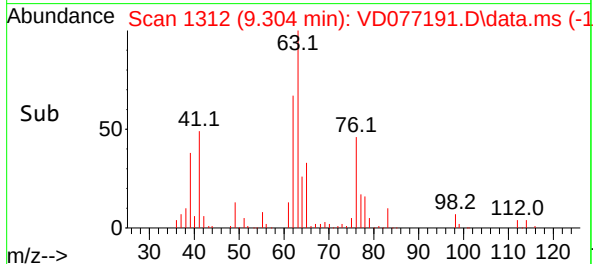
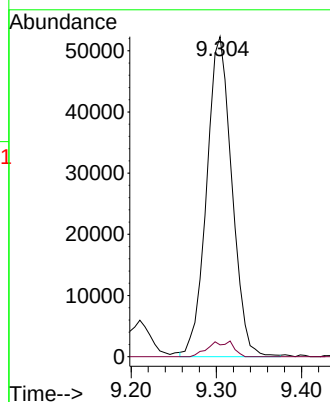
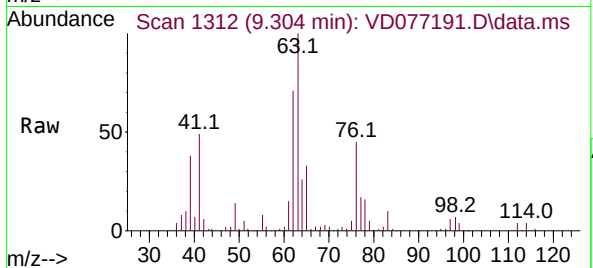
ClientSampleId :

Tgt Ion: 63 Resp: 107817

Ion Ratio Lower Upper

63 100

112 2.7 4.0 6.0#



#38

Bromodichloromethane

Concen: 25.776 ug/L

RT: 9.587 min Scan# 1360

Delta R.T. 0.006 min

Lab File: VD077191.D

Acq: 22 Sep 2023 09:31

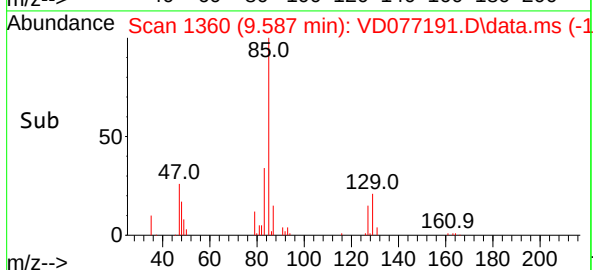
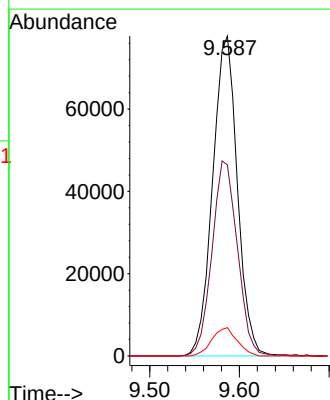
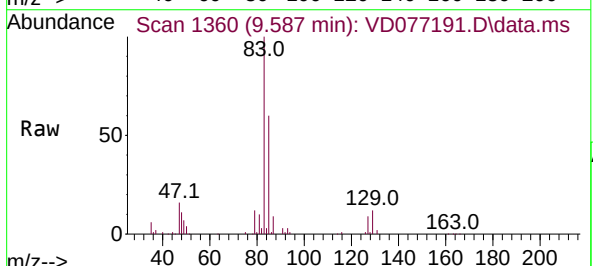
Tgt Ion: 83 Resp: 148696

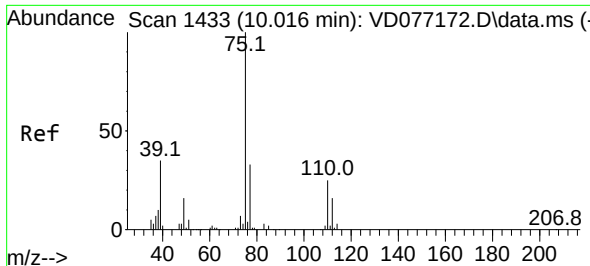
Ion Ratio Lower Upper

83 100

85 59.7 44.0 81.6

127 8.8 7.5 11.3





#39

cis-1,3-Dichloropropene

Concen: 24.546 ug/L

RT: 10.016 min Scan# 1433

Delta R.T. -0.000 min

Lab File: VD077191.D

Acq: 22 Sep 2023 09:31

Instrument :

MSVOA_D

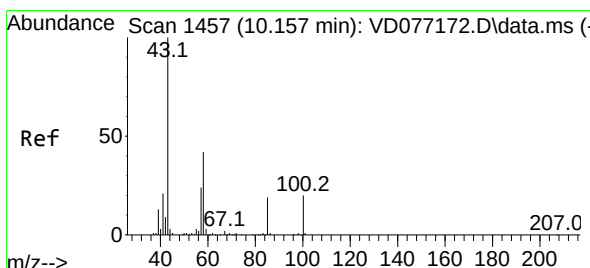
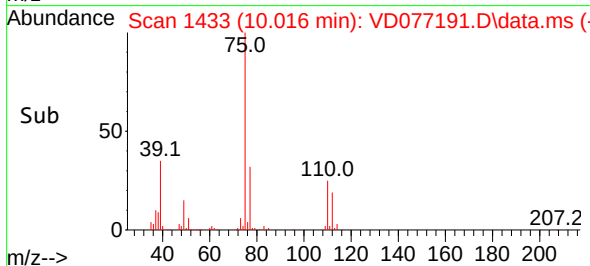
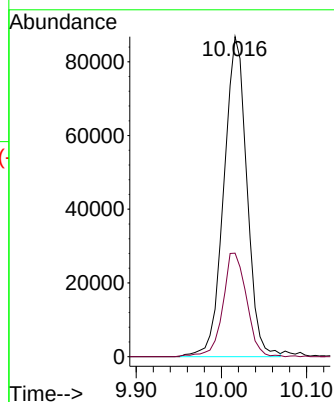
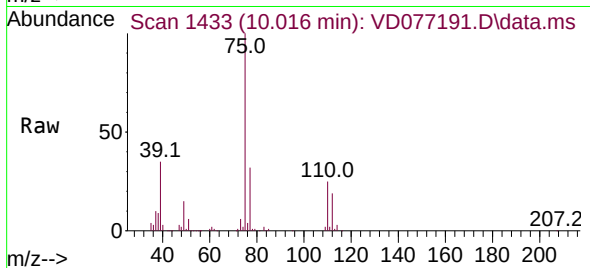
ClientSampleId :

Tgt Ion: 75 Resp: 163183

Ion Ratio Lower Upper

75 100

77 32.3 23.2 43.2



#40

4-Methyl-2-pentanone

Concen: 56.053 ug/L

RT: 10.157 min Scan# 1457

Delta R.T. -0.000 min

Lab File: VD077191.D

Acq: 22 Sep 2023 09:31

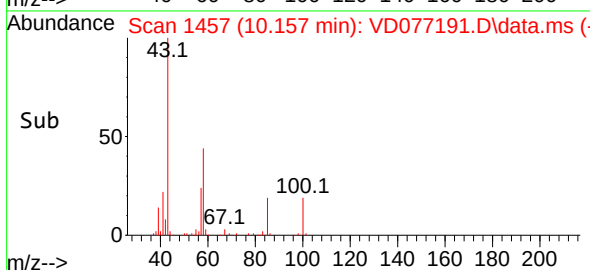
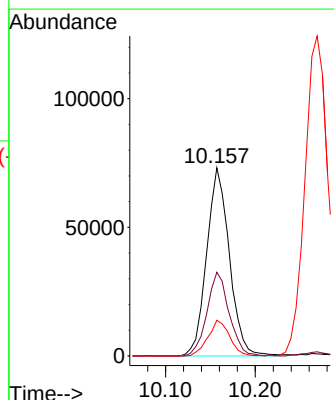
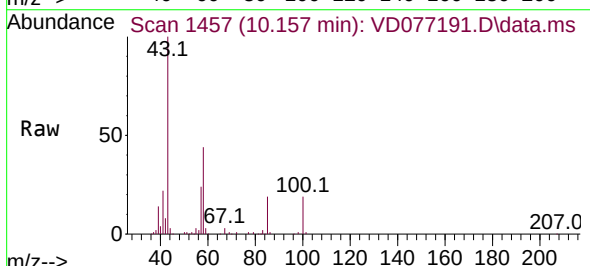
Tgt Ion: 43 Resp: 128817

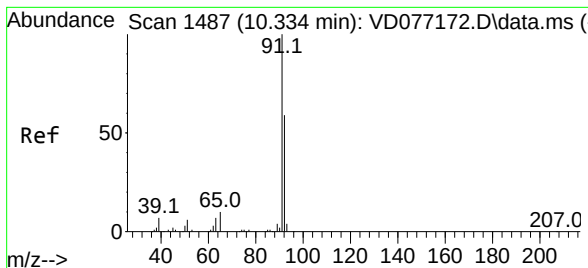
Ion Ratio Lower Upper

43 100

58 43.2 34.6 51.8

100 18.0 16.2 24.4





#42

Toluene

Concen: 25.656 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. -0.000 min

Lab File: VD077191.D

Acq: 22 Sep 2023 09:31

Instrument :

MSVOA_D

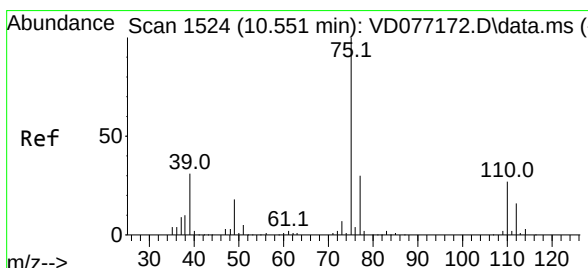
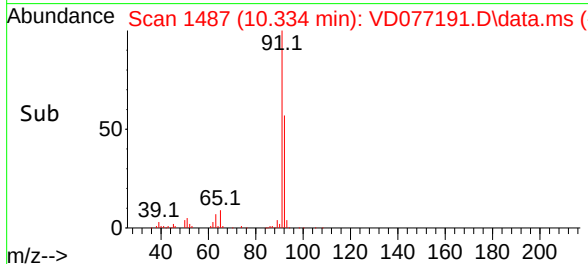
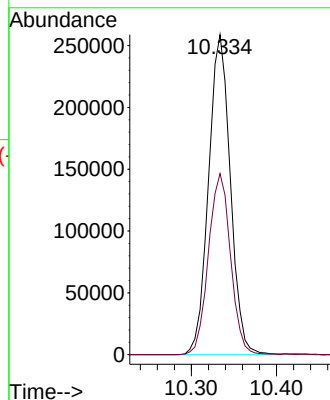
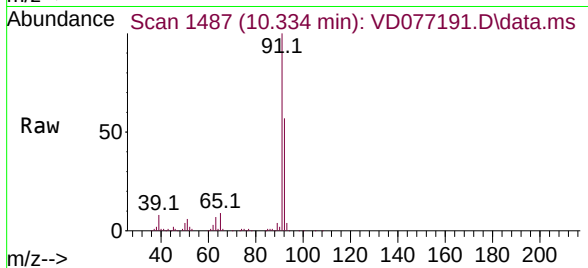
ClientSampleId :

Tgt Ion: 91 Resp: 460694

Ion Ratio Lower Upper

91 100

92 56.6 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 25.401 ug/L

RT: 10.551 min Scan# 1524

Delta R.T. -0.000 min

Lab File: VD077191.D

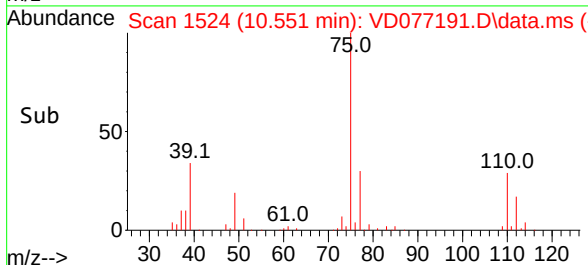
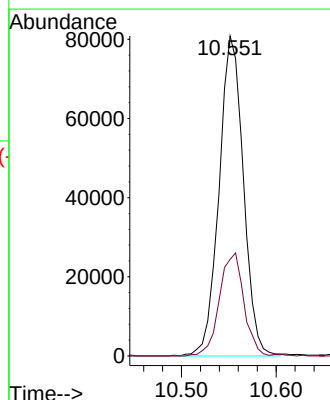
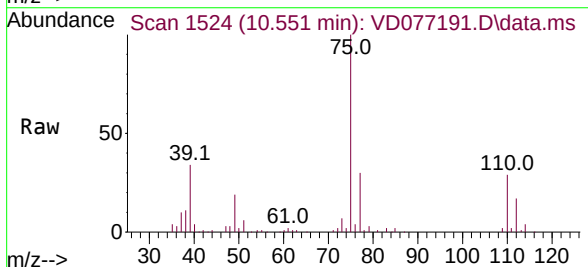
Acq: 22 Sep 2023 09:31

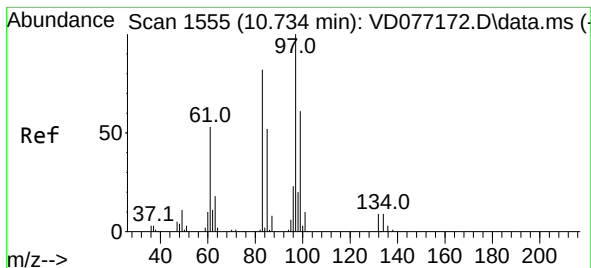
Tgt Ion: 75 Resp: 144369

Ion Ratio Lower Upper

75 100

77 30.2 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 26.884 ug/L

RT: 10.734 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VD077191.D

Acq: 22 Sep 2023 09:31

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 97 Resp: 95128

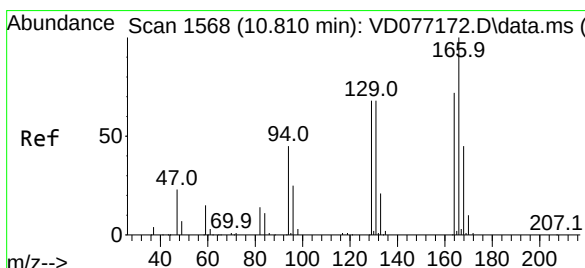
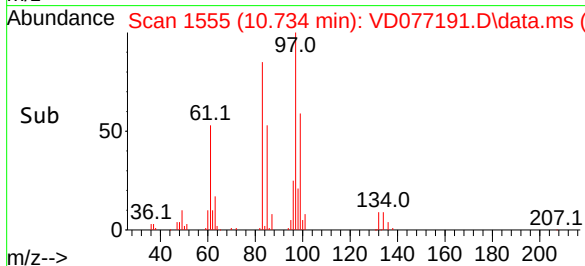
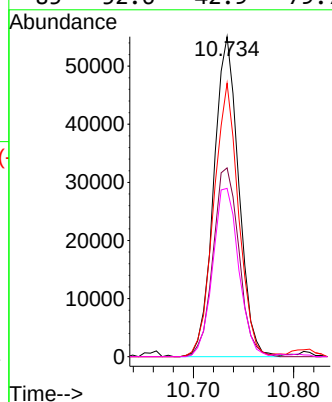
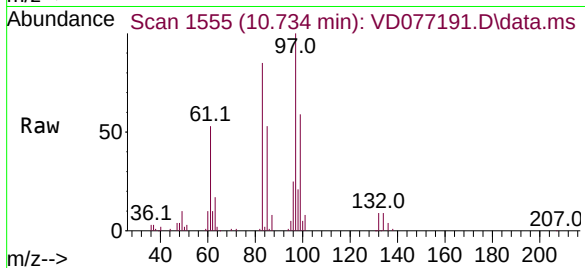
Ion Ratio Lower Upper

97 100

99 59.0 46.1 85.5

83 85.5 64.3 119.3

85 52.6 42.9 79.7



#46

Tetrachloroethene

Concen: 23.816 ug/L

RT: 10.810 min Scan# 1568

Delta R.T. -0.000 min

Lab File: VD077191.D

Acq: 22 Sep 2023 09:31

Tgt Ion:164 Resp: 85586

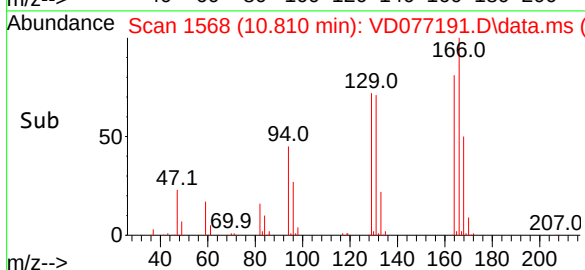
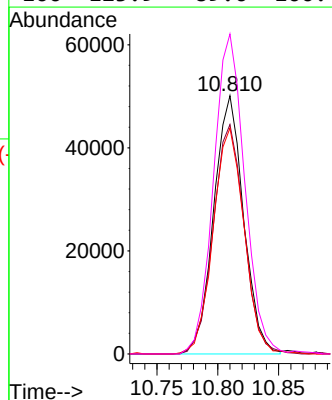
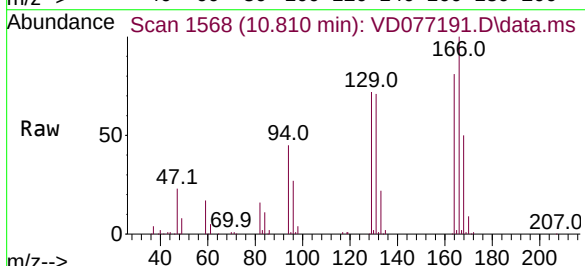
Ion Ratio Lower Upper

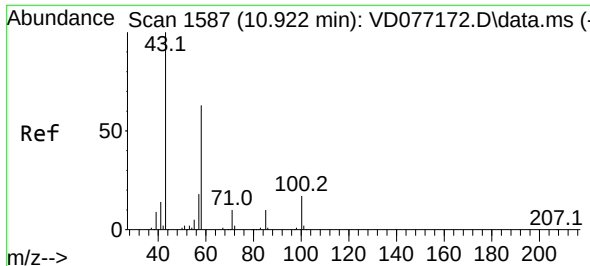
164 100

129 88.9 66.4 123.4

131 87.5 62.6 116.3

166 123.9 89.6 166.4



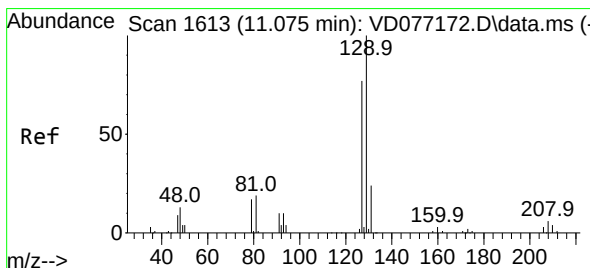
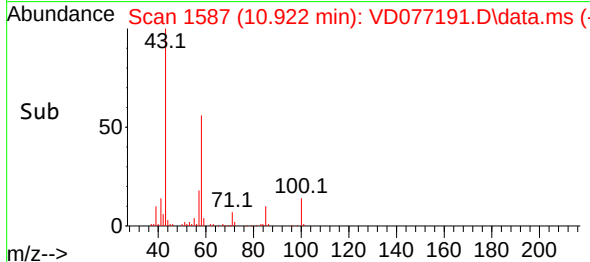
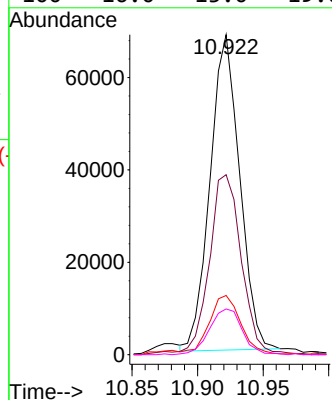
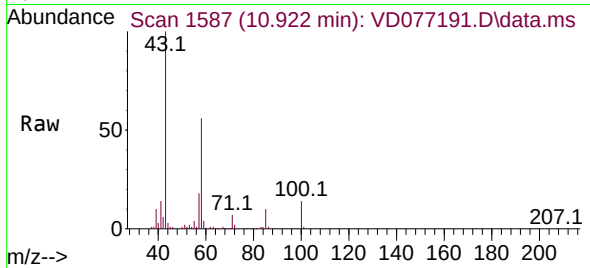


#48
2-Hexanone
Concen: 60.484 ug/L
RT: 10.922 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077191.D
Acq: 22 Sep 2023 09:31

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 107192

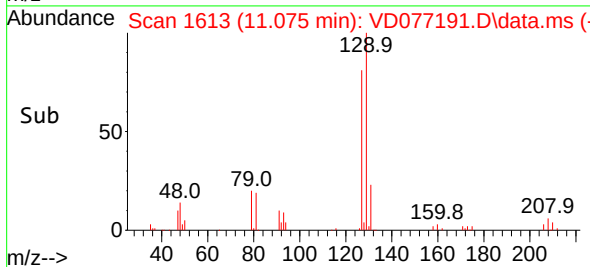
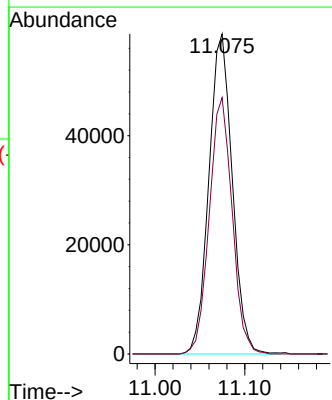
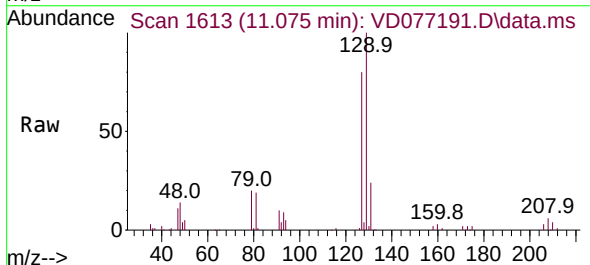
Ion	Ratio	Lower	Upper
43	100		
58	61.7	50.6	75.8
57	20.2	16.6	24.8
100	16.0	13.0	19.6

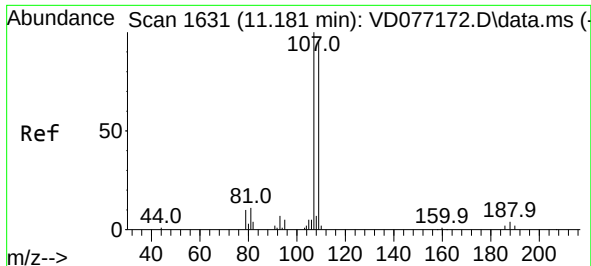


#49
Dibromochloromethane
Concen: 25.690 ug/L
RT: 11.075 min Scan# 1613
Delta R.T. -0.000 min
Lab File: VD077191.D
Acq: 22 Sep 2023 09:31

Tgt Ion: 129 Resp: 106170

Ion	Ratio	Lower	Upper
129	100		
127	80.1	56.6	105.2

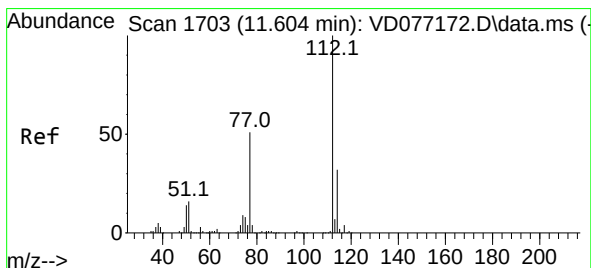
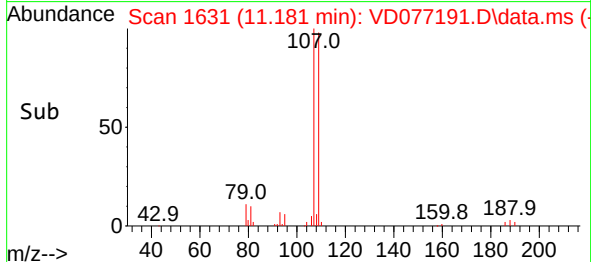
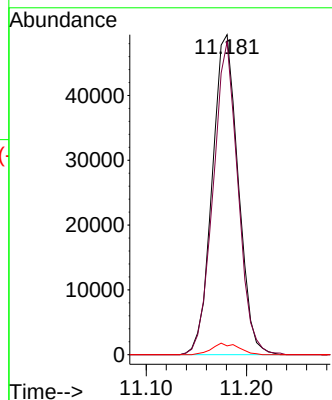
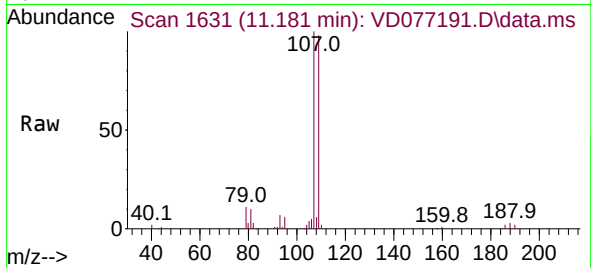




#50
1,2-Dibromoethane
Concen: 25.473 ug/L
RT: 11.181 min Scan# 1631
Delta R.T. -0.000 min
Lab File: VD077191.D
Acq: 22 Sep 2023 09:31

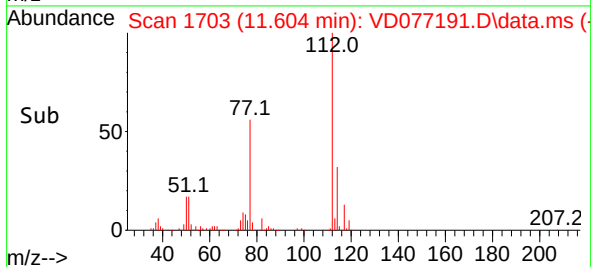
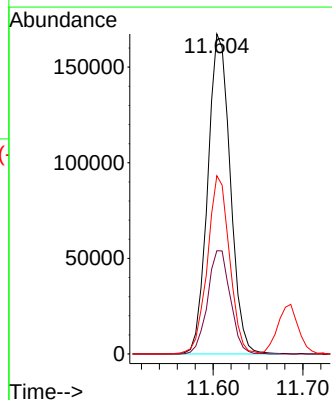
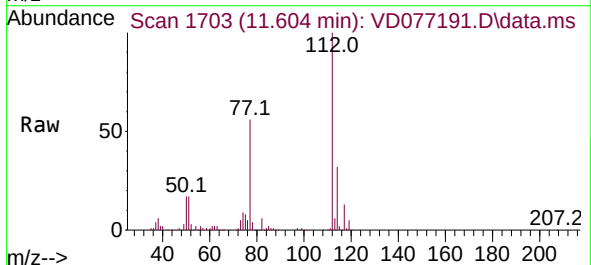
Instrument :
MSVOA_D
ClientSampleId :

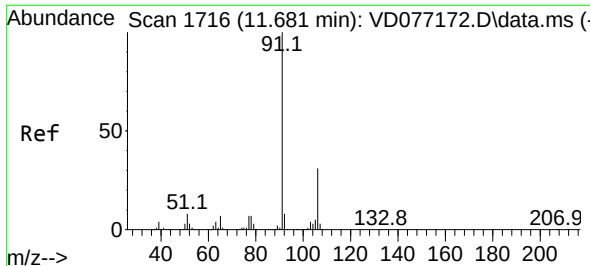
Tgt Ion:107 Resp: 89044
Ion Ratio Lower Upper
107 100
109 97.7 62.4 116.0
188 2.7 3.0 4.4#



#51
Chlorobenzene
Concen: 24.287 ug/L
RT: 11.604 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VD077191.D
Acq: 22 Sep 2023 09:31

Tgt Ion:112 Resp: 291607
Ion Ratio Lower Upper
112 100
114 32.3 21.0 39.0
77 55.7 41.0 61.4

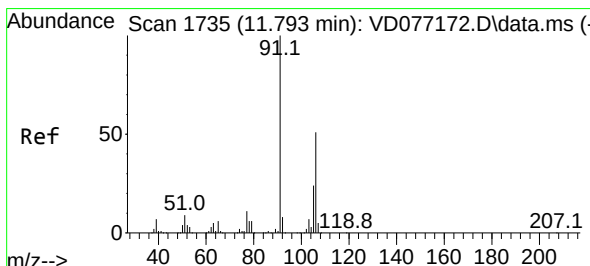
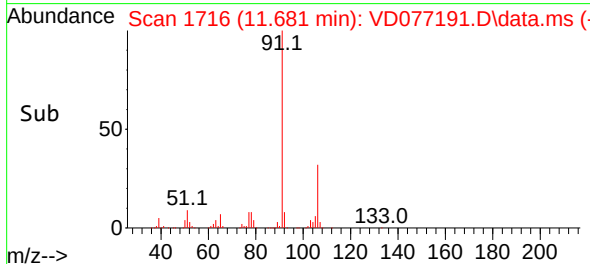
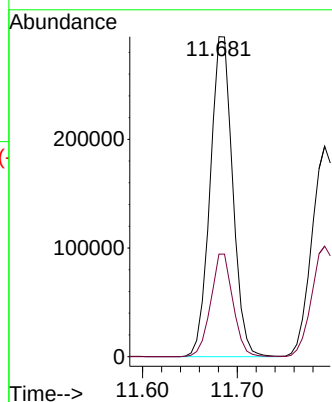
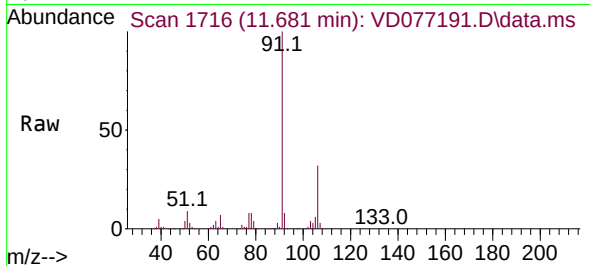




#52
Ethylbenzene
Concen: 25.070 ug/L
RT: 11.681 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VD077191.D
Acq: 22 Sep 2023 09:31

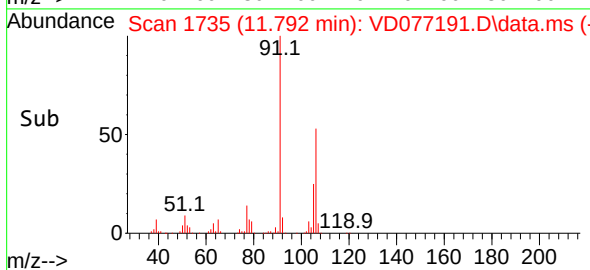
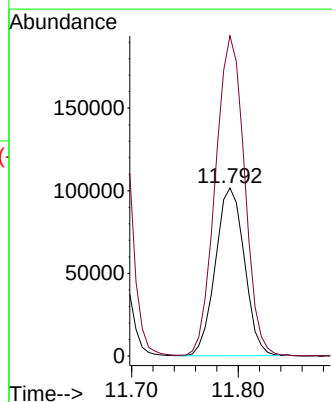
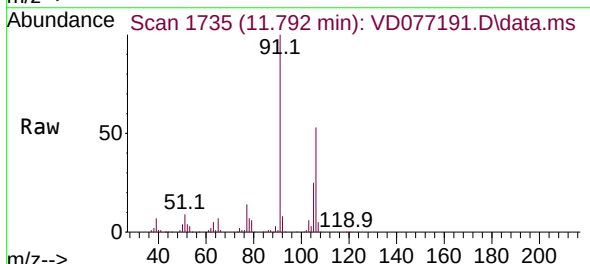
Instrument :
MSVOA_D
ClientSampleId :

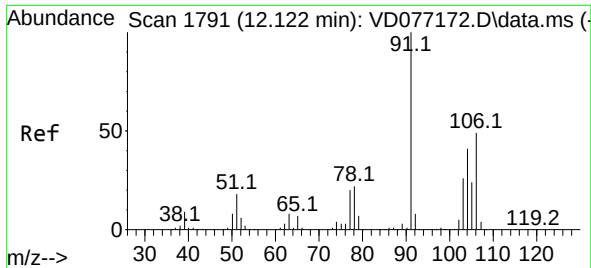
Tgt Ion: 91 Resp: 487177
Ion Ratio Lower Upper
91 100
106 32.1 22.1 41.1



#53
m,p-Xylene
Concen: 25.598 ug/L
RT: 11.792 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VD077191.D
Acq: 22 Sep 2023 09:31

Tgt Ion:106 Resp: 192076
Ion Ratio Lower Upper
106 100
91 190.4 138.2 256.6

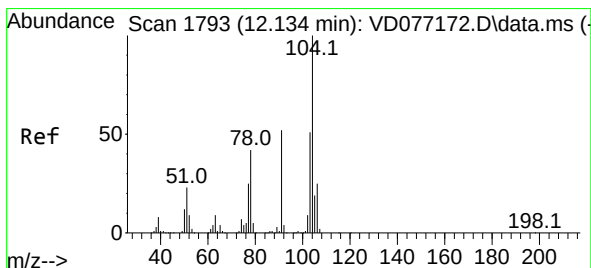
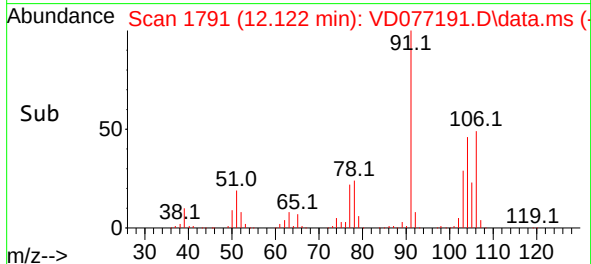
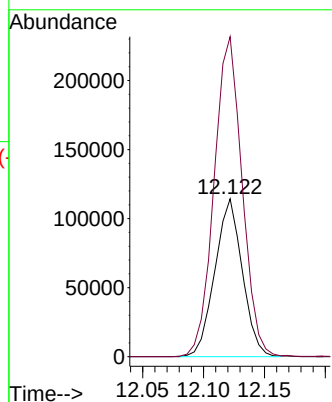
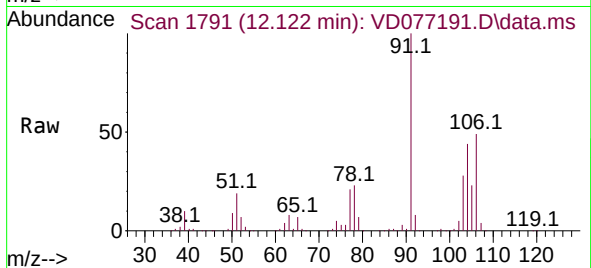




#54
o-Xylene
Concen: 24.754 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD077191.D
Acq: 22 Sep 2023 09:31

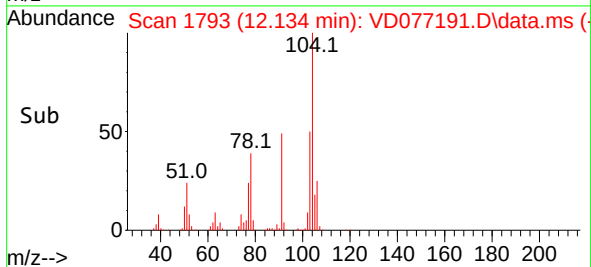
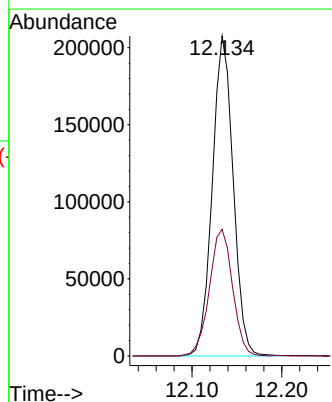
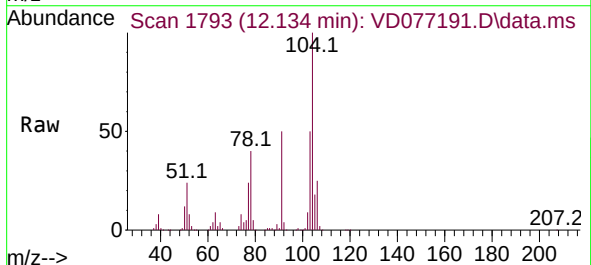
Instrument :
MSVOA_D
ClientSampleId :

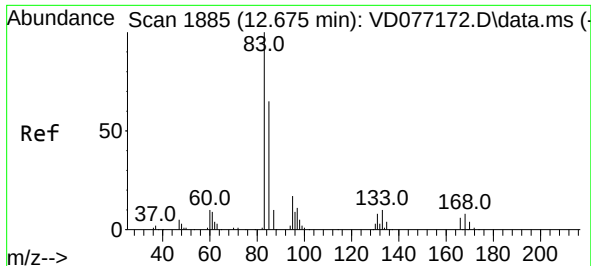
Tgt Ion:106 Resp: 179295
Ion Ratio Lower Upper
106 100
91 202.7 146.9 272.7



#55
Styrene
Concen: 25.944 ug/L
RT: 12.134 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VD077191.D
Acq: 22 Sep 2023 09:31

Tgt Ion:104 Resp: 335822
Ion Ratio Lower Upper
104 100
78 39.6 27.8 51.6





#57

1,1,2,2-Tetrachloroethane

Concen: 27.938 ug/L

RT: 12.669 min Scan# 1884

Delta R.T. -0.006 min

Lab File: VD077191.D

Acq: 22 Sep 2023 09:31

Instrument :

MSVOA_D

ClientSampleId :

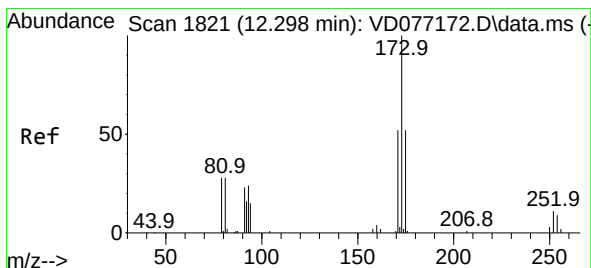
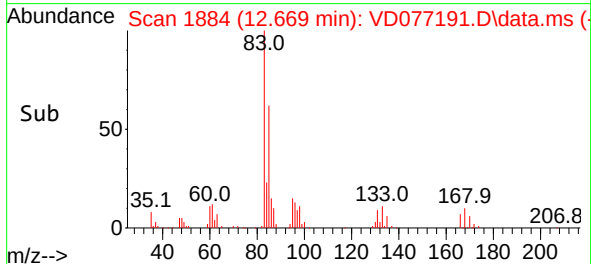
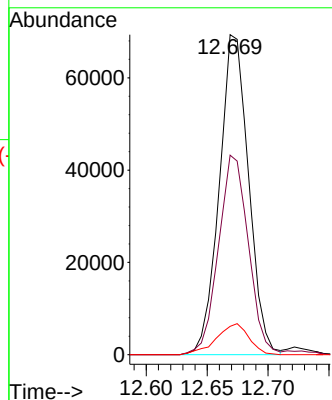
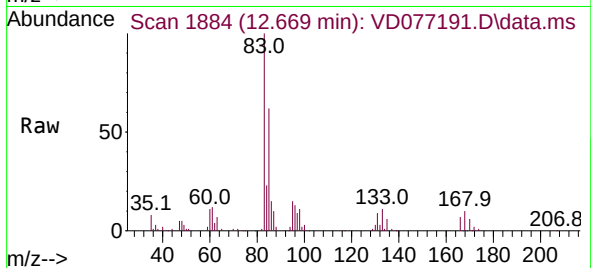
Tgt Ion: 83 Resp: 116269

Ion Ratio Lower Upper

83 100

85 62.4 43.6 81.0

131 8.8 7.8 11.8



#59

Bromoform

Concen: 25.865 ug/L

RT: 12.298 min Scan# 1821

Delta R.T. -0.000 min

Lab File: VD077191.D

Acq: 22 Sep 2023 09:31

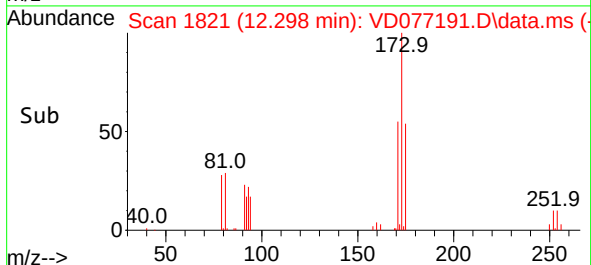
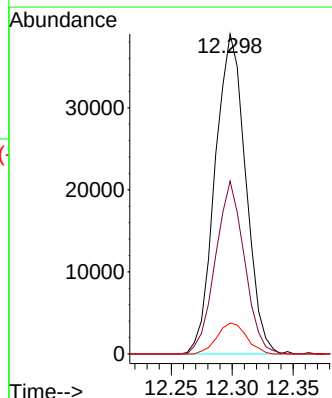
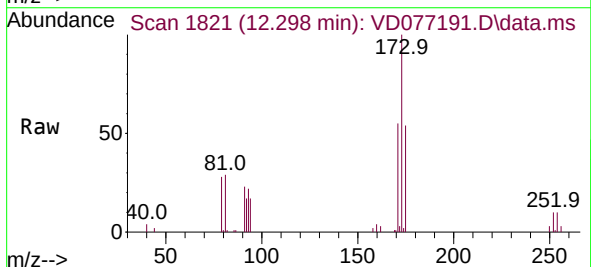
Tgt Ion:173 Resp: 68100

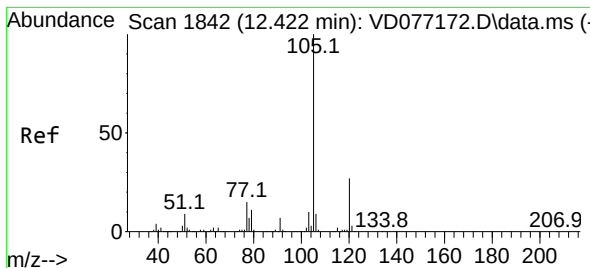
Ion Ratio Lower Upper

173 100

175 51.3 38.7 58.1

254 9.4 7.0 10.6





#60

Isopropylbenzene

Concen: 25.564 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. -0.000 min

Lab File: VD077191.D

Acq: 22 Sep 2023 09:31

Instrument :

MSVOA_D

ClientSampleId :

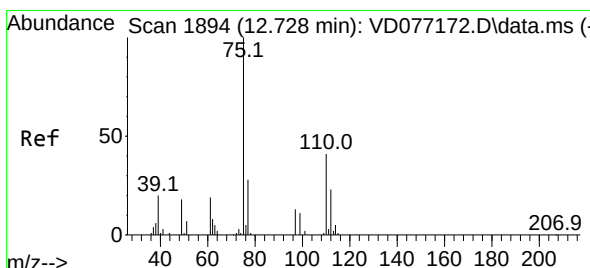
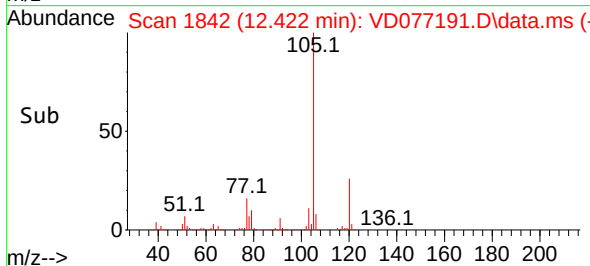
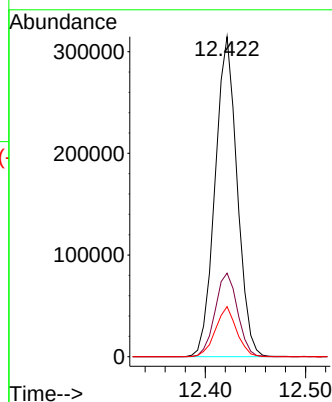
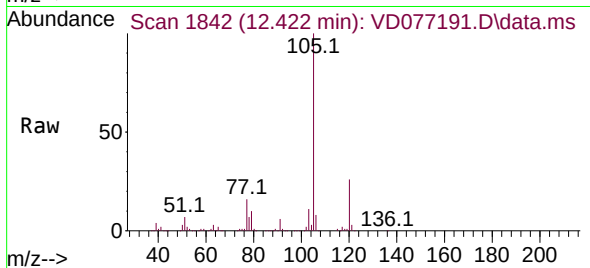
Tgt Ion:105 Resp: 480997

Ion Ratio Lower Upper

105 100

120 26.5 21.8 32.6

77 15.0 11.9 17.9



#61

1,2,3-Trichloropropane

Concen: 26.621 ug/L

RT: 12.722 min Scan# 1893

Delta R.T. -0.006 min

Lab File: VD077191.D

Acq: 22 Sep 2023 09:31

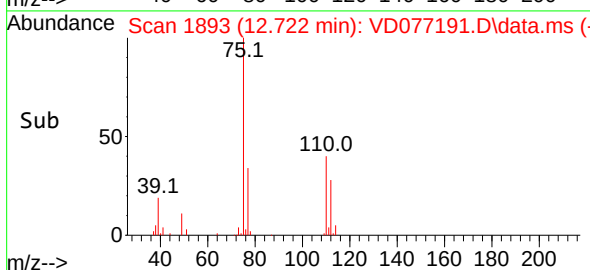
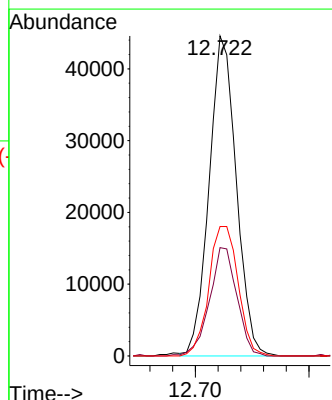
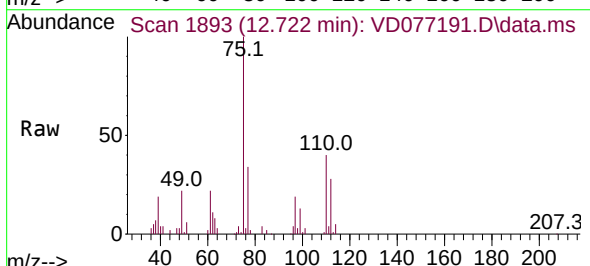
Tgt Ion: 75 Resp: 74180

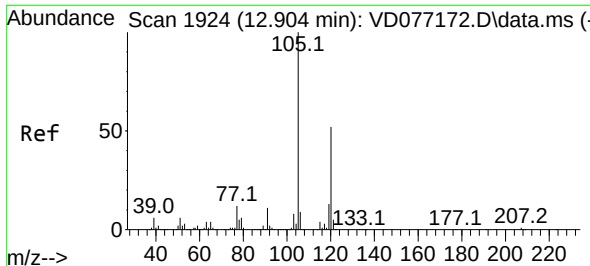
Ion Ratio Lower Upper

75 100

77 34.0 26.6 40.0

110 43.5 33.6 50.4

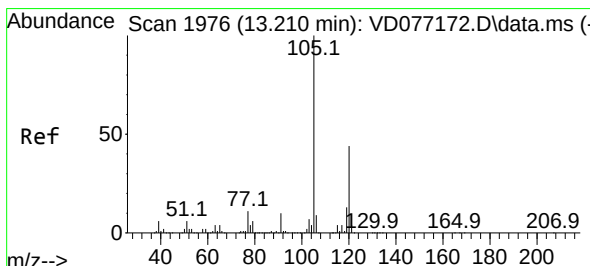
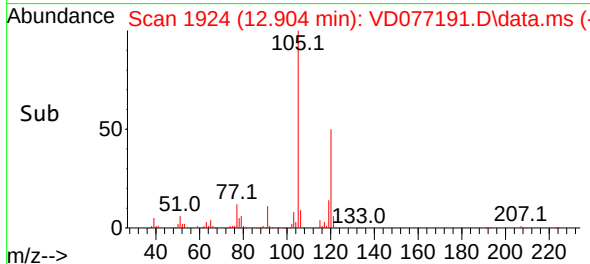
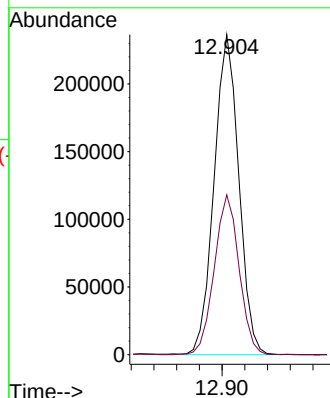
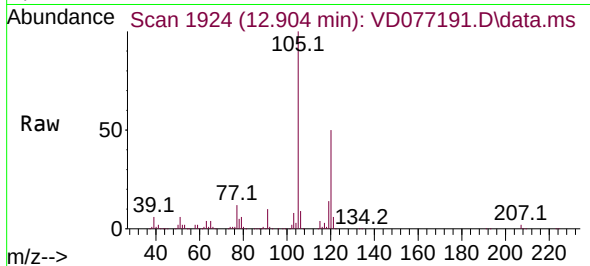




#62
1,3,5-Trimethylbenzene
Concen: 24.526 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. -0.000 min
Lab File: VD077191.D
Acq: 22 Sep 2023 09:31

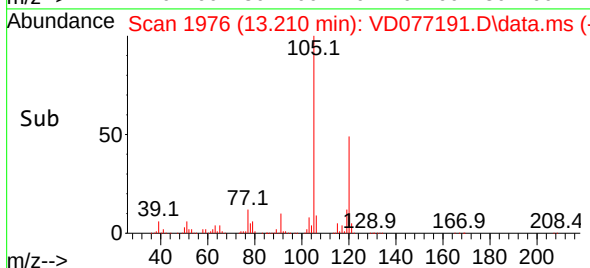
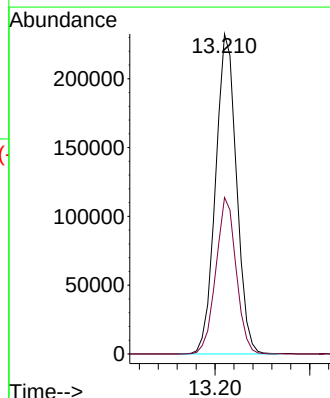
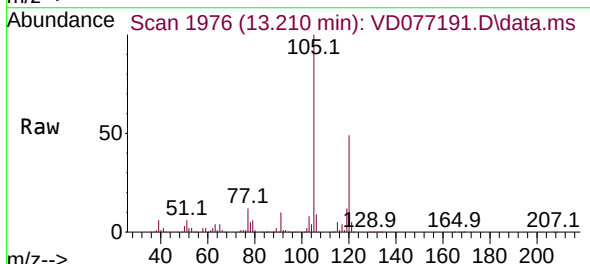
Instrument :
MSVOA_D
ClientSampleId :

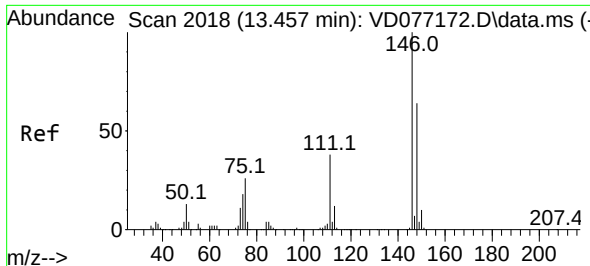
Tgt Ion:105 Resp: 356924
Ion Ratio Lower Upper
105 100
120 50.1 40.2 60.2



#63
1,2,4-Trimethylbenzene
Concen: 25.059 ug/L
RT: 13.210 min Scan# 1976
Delta R.T. -0.000 min
Lab File: VD077191.D
Acq: 22 Sep 2023 09:31

Tgt Ion:105 Resp: 357279
Ion Ratio Lower Upper
105 100
120 47.4 37.8 56.8

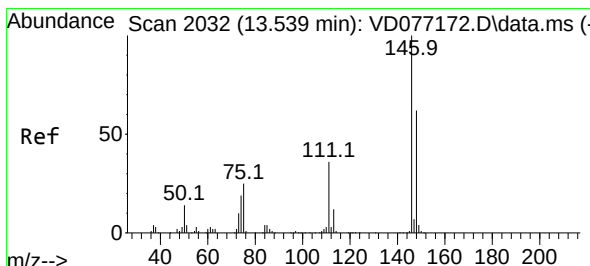
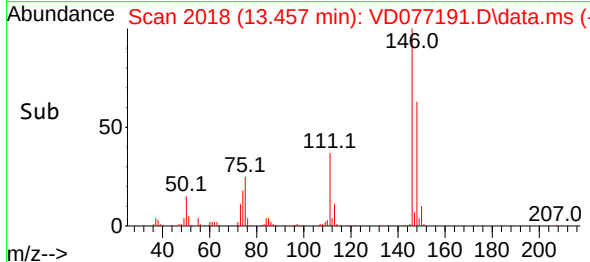
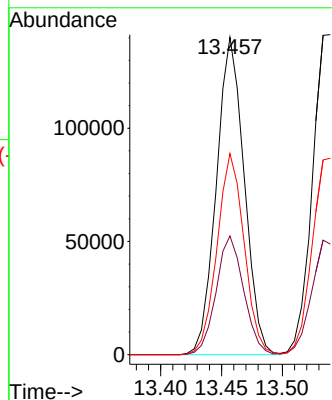
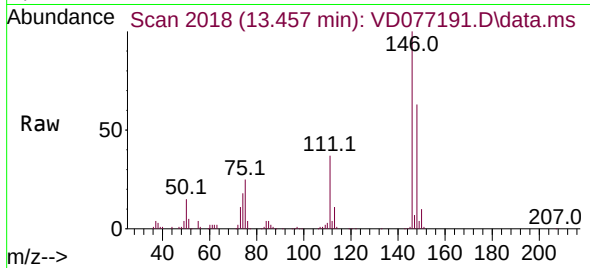




#64
1,3-Dichlorobenzene
Concen: 24.874 ug/L
RT: 13.457 min Scan# 2018
Delta R.T. -0.000 min
Lab File: VD077191.D
Acq: 22 Sep 2023 09:31

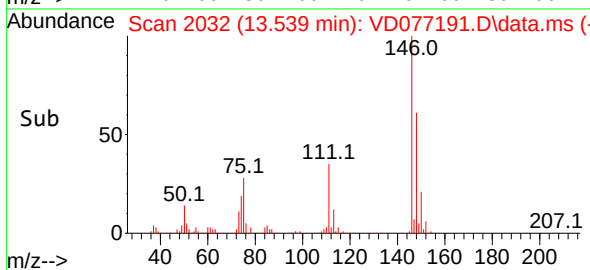
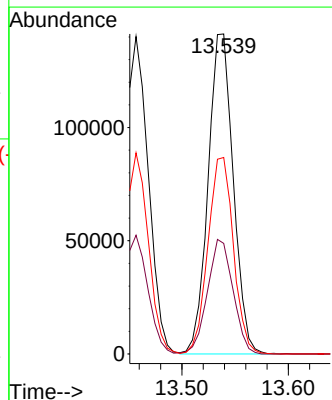
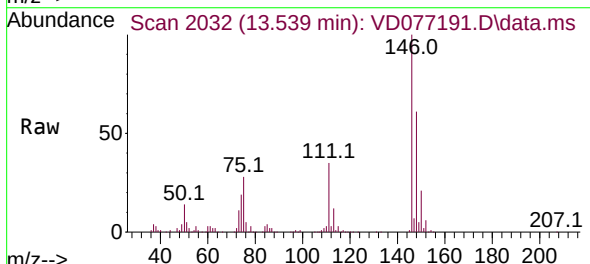
Instrument :
MSVOA_D
ClientSampleId :

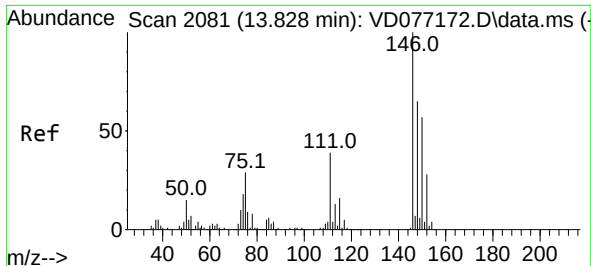
Tgt Ion:146 Resp: 222970
Ion Ratio Lower Upper
146 100
111 37.4 25.2 46.8
148 63.4 42.7 79.3



#65
1,4-Dichlorobenzene
Concen: 24.802 ug/L
RT: 13.539 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VD077191.D
Acq: 22 Sep 2023 09:31

Tgt Ion:146 Resp: 232260
Ion Ratio Lower Upper
146 100
111 34.6 25.5 47.3
148 61.4 45.5 84.5





#67

1,2-Dichlorobenzene

Concen: 24.522 ug/L

RT: 13.828 min Scan# 2081

Delta R.T. -0.000 min

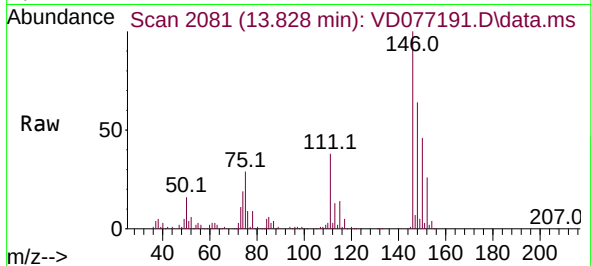
Lab File: VD077191.D

Acq: 22 Sep 2023 09:31

Instrument :

MSVOA_D

ClientSampleId :



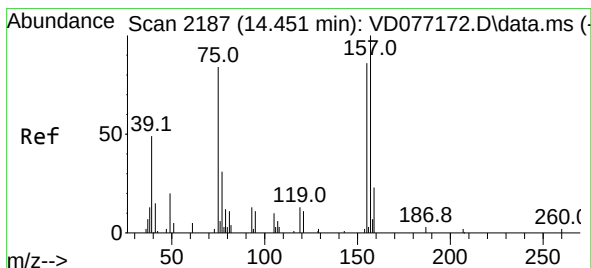
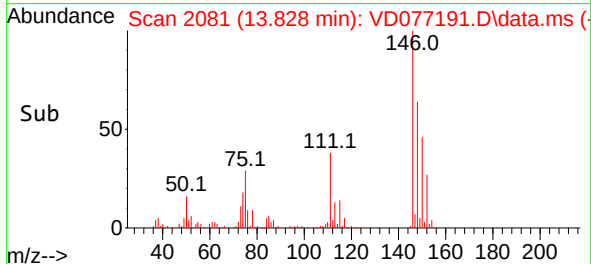
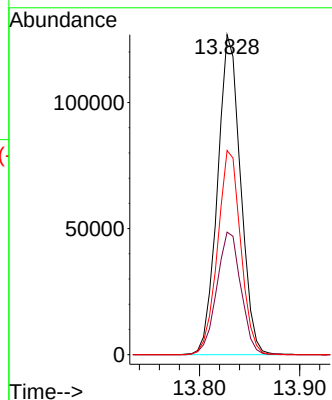
Tgt Ion:146 Resp: 202174

Ion Ratio Lower Upper

146 100

111 38.3 31.8 47.6

148 63.8 53.0 79.4



#68

1,2-Dibromo-3-chloropropane

Concen: 27.330 ug/L

RT: 14.445 min Scan# 2186

Delta R.T. -0.006 min

Lab File: VD077191.D

Acq: 22 Sep 2023 09:31

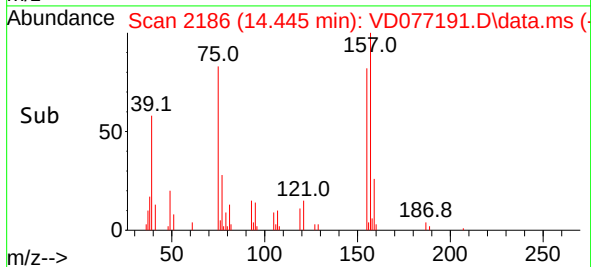
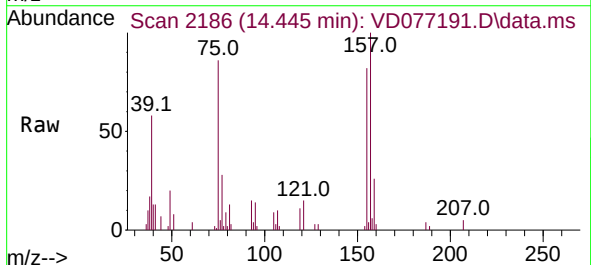
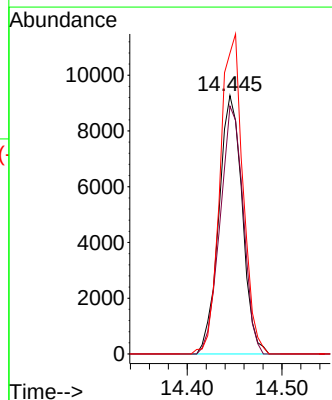
Tgt Ion: 75 Resp: 15927

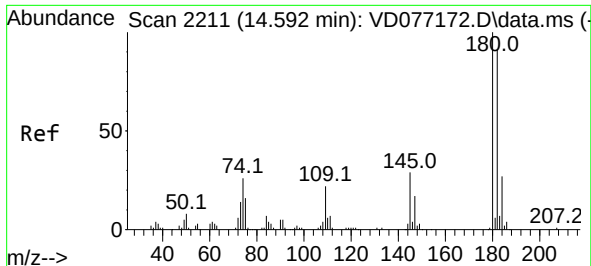
Ion Ratio Lower Upper

75 100

155 95.9 79.0 118.6

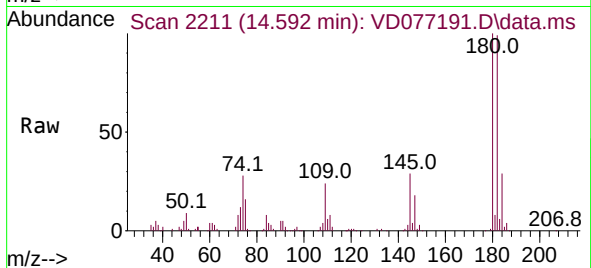
157 116.4 100.2 150.4



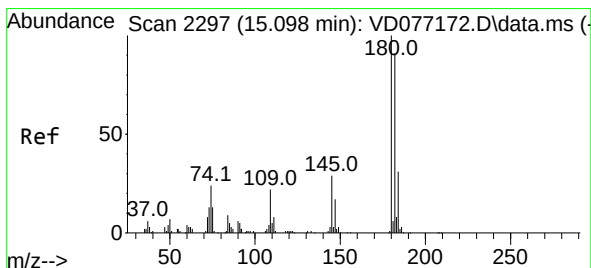
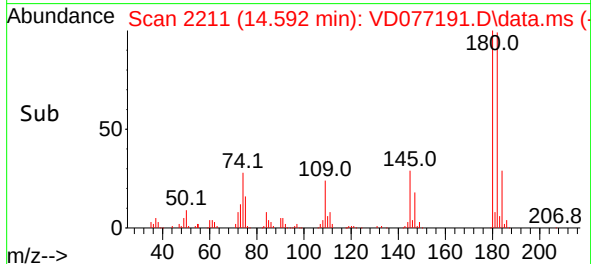
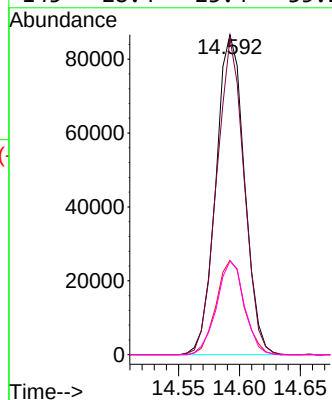


#69
 1,3,5-Trichlorobenzene
 Concen: 23.860 ug/L
 RT: 14.592 min Scan# 211
 Delta R.T. -0.000 min
 Lab File: VD077191.D
 Acq: 22 Sep 2023 09:31

Instrument :
 MSVOA_D
 ClientSampleId :

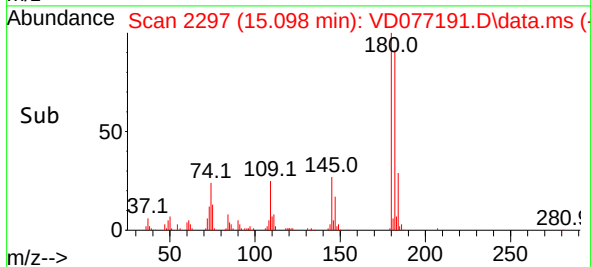
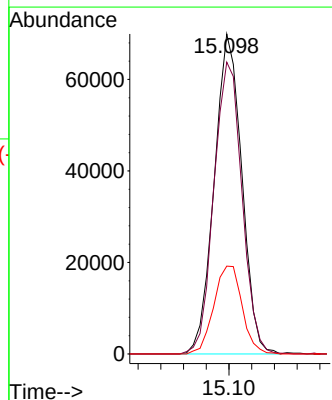
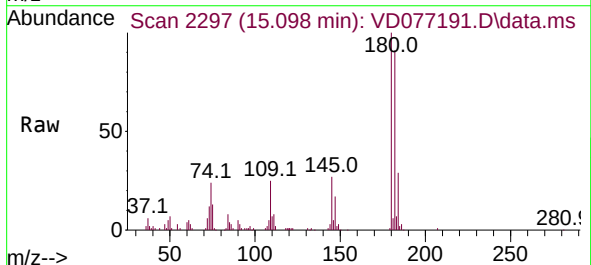


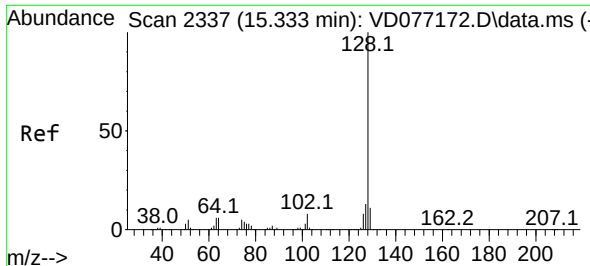
Tgt Ion:180 Resp: 140950
 Ion Ratio Lower Upper
 180 100
 182 95.0 77.0 115.4
 184 29.0 24.2 36.2
 145 28.4 23.4 35.2



#70
 1,2,4-trichlorobenzene
 Concen: 23.265 ug/L
 RT: 15.098 min Scan# 2297
 Delta R.T. -0.000 min
 Lab File: VD077191.D
 Acq: 22 Sep 2023 09:31

Tgt Ion:180 Resp: 117626
 Ion Ratio Lower Upper
 180 100
 182 93.0 76.3 114.5
 145 28.2 23.8 35.8

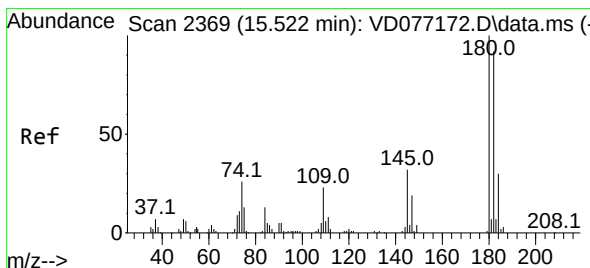
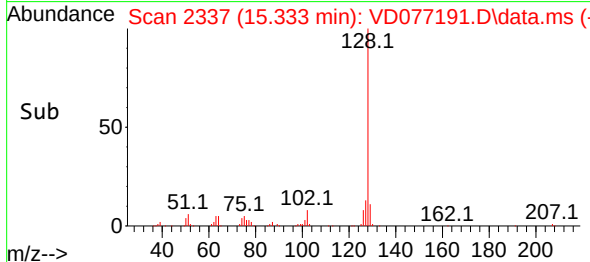
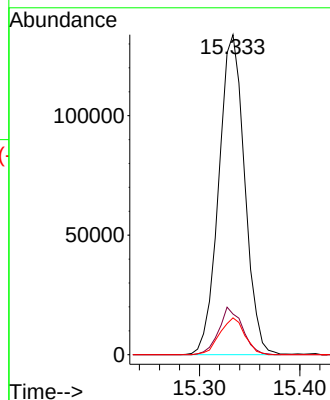
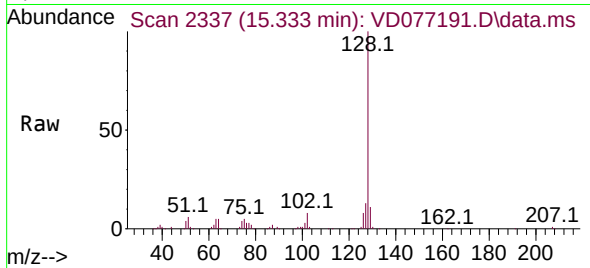




#71
Naphthalene
Concen: 23.729 ug/L
RT: 15.333 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD077191.D
Acq: 22 Sep 2023 09:31

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128	Resp: 239834
Ion Ratio	Lower Upper
128	100
127	13.6 10.6 16.0
129	11.1 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 23.439 ug/L
RT: 15.522 min Scan# 2369
Delta R.T. -0.000 min
Lab File: VD077191.D
Acq: 22 Sep 2023 09:31

Tgt Ion:180	Resp: 108845
Ion Ratio	Lower Upper
180	100
182	95.6 76.6 115.0
145	31.5 25.4 38.2

