

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD090123\
 Data File : VD077083.D
 Acq On : 01 Sep 2023 15:07
 Operator : JC/SY
 Sample : VSTDICV025
 Misc : 5.00G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 02 01:41:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Sep 02 01:35:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	289234	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	292740	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	159901	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	168115	23.589	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.360%
7) Chloroethane-d5	2.799	69	142771	24.361	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.440%
11) 1,1-Dichloroethene-d2	3.917	65	36079	22.286	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.160%
21) 2-Butanone-d5	6.987	46	44779	49.874	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.740%
24) Chloroform-d	7.569	84	189690	23.968	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.880%
26) 1,2-Dichloroethane-d4	8.228	65	91874	24.492	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.960%
32) Benzene-d6	8.199	84	380701	23.546	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.200%
36) 1,2-Dichloropropane-d6	9.205	67	107459	23.175	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.720%
41) Toluene-d8	10.269	98	356952	24.118	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.480%
43) trans-1,3-Dichloroprop...	10.522	79	52899	25.039	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.160%
47) 2-Hexanone-d5	10.875	63	37921	51.206	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.420%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	102017	24.680	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.720%
66) 1,2-Dichlorobenzene-d4	13.816	152	120679	23.513	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	79259	21.368	ug/L	97
3) Chloromethane	2.146	50	145409	23.102	ug/L	100
5) Vinyl chloride	2.281	62	168607	22.836	ug/L	99
6) Bromomethane	2.693	94	119459	23.161	ug/L	89
8) Chloroethane	2.834	64	113126	23.347	ug/L	95
9) Trichlorofluoromethane	3.170	101	151729	21.733	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	92808	21.732	ug/L	98
12) 1,1-Dichloroethene	3.940	96	85169	21.929	ug/L	91
13) Acetone	4.017	43	62680	48.666	ug/L	98
14) Carbon disulfide	4.270	76	282151	22.441	ug/L	99
15) Methyl Acetate	4.564	43	42591	24.723	ug/L #	86
16) Methylene chloride	4.799	84	138482	23.525	ug/L	94
17) trans-1,2-Dichloroethene	5.311	96	98872	23.380	ug/L	99
18) Methyl tert-butyl Ether	5.317	73	213103	23.334	ug/L	99
19) 1,1-Dichloroethane	6.105	63	163472	22.926	ug/L	99
20) cis-1,2-Dichloroethene	7.081	96	110927	22.912	ug/L	98
22) 2-Butanone	7.081	43	74169	47.733	ug/L	100
23) Bromochloromethane	7.428	128	55178	23.881	ug/L	98
25) Chloroform	7.593	83	188748	23.707	ug/L	99

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 Response via : Initial Calibration

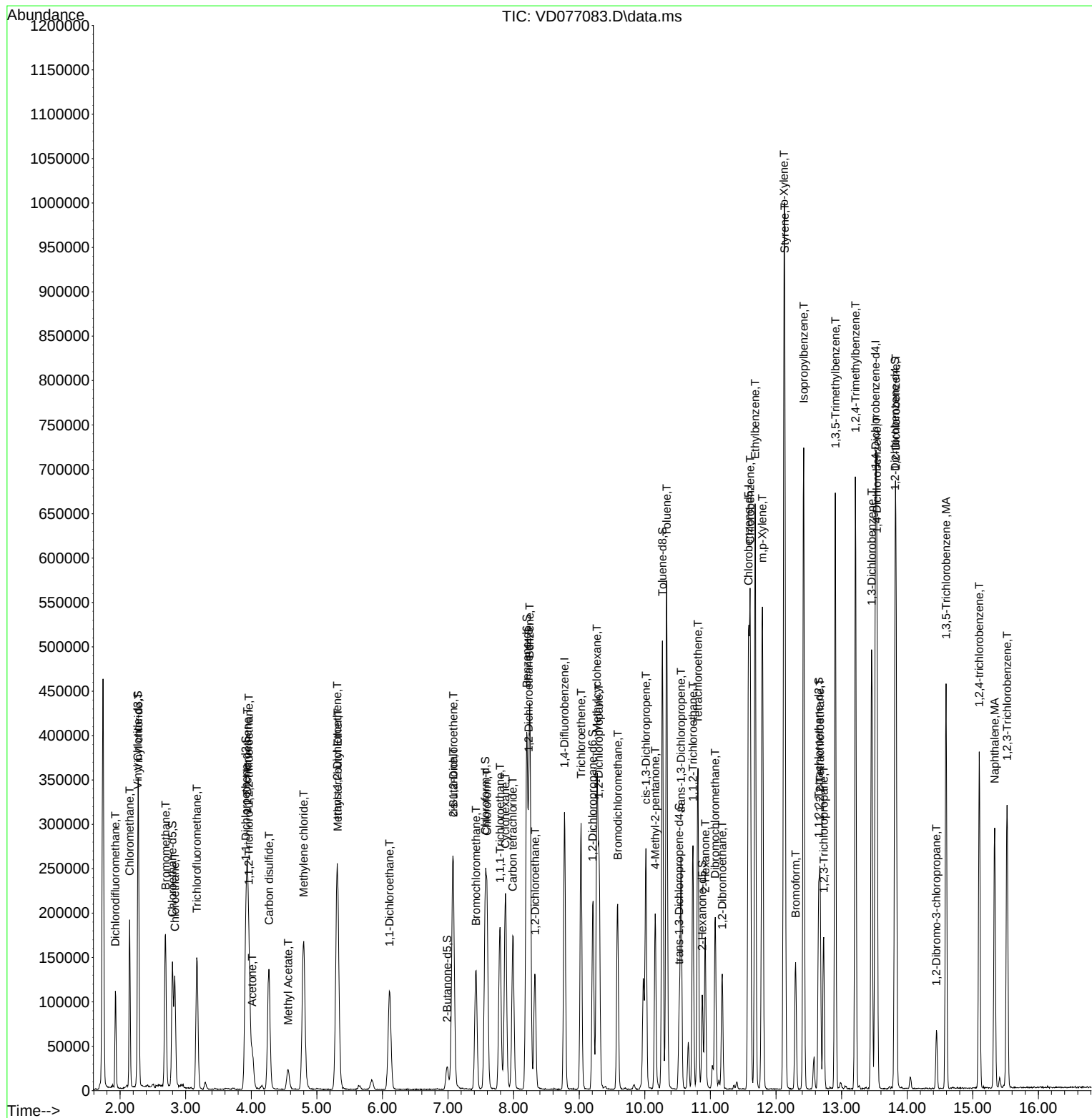
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	112480	23.588	ug/L	97
29) Cyclohexane	7.875	56	116138	21.097	ug/L	98
30) 1,1,1-Trichloroethane	7.793	97	153371	22.412	ug/L	99
31) Carbon tetrachloride	7.987	117	129159	22.312	ug/L	100
33) Benzene	8.246	78	407117	23.151	ug/L	100
34) Trichloroethene	9.028	95	103902	22.283	ug/L	94
35) Methylcyclohexane	9.269	83	152765	21.244	ug/L	100
37) 1,2-Dichloropropane	9.299	63	102548	23.120	ug/L	99
38) Bromodichloromethane	9.587	83	141428	23.112	ug/L	97
39) cis-1,3-Dichloropropene	10.016	75	165613	23.485	ug/L	98
40) 4-Methyl-2-pentanone	10.157	43	120199	49.307	ug/L	99
42) Toluene	10.334	91	449420	23.595	ug/L	100
44) trans-1,3-Dichloropropene	10.552	75	142726	23.673	ug/L	99
45) 1,1,2-Trichloroethane	10.734	97	91011	24.248	ug/L	89
46) Tetrachloroethene	10.810	164	83485	21.901	ug/L	99
48) 2-Hexanone	10.922	43	100925	53.686	ug/L	99
49) Dibromochloromethane	11.069	129	102843	23.460	ug/L	92
50) 1,2-Dibromoethane	11.181	107	87172	23.509	ug/L	90
51) Chlorobenzene	11.604	112	296099	23.249	ug/L	96
52) Ethylbenzene	11.681	91	476934	23.137	ug/L	99
53) m,p-Xylene	11.793	106	188369	23.666	ug/L	95
54) o-Xylene	12.122	106	178741	23.264	ug/L	96
55) Styrene	12.134	104	334291	24.347	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.669	83	107337	24.314	ug/L	99
59) Bromoform	12.299	173	64644	22.415	ug/L	96
60) Isopropylbenzene	12.422	105	469641	22.788	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	70552	23.116	ug/L	98
62) 1,3,5-Trimethylbenzene	12.904	105	363150	22.783	ug/L	100
63) 1,2,4-Trimethylbenzene	13.210	105	368137	23.574	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	220022	22.409	ug/L	96
65) 1,4-Dichlorobenzene	13.540	146	232175	22.635	ug/L	98
67) 1,2-Dichlorobenzene	13.828	146	200592	22.213	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.445	75	14999	23.498	ug/L	92
69) 1,3,5-Trichlorobenzene	14.593	180	147865	22.853	ug/L	98
70) 1,2,4-trichlorobenzene	15.098	180	123673	22.332	ug/L	99
71) Naphthalene	15.334	128	261883	23.655	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	115915	22.789	ug/L	99

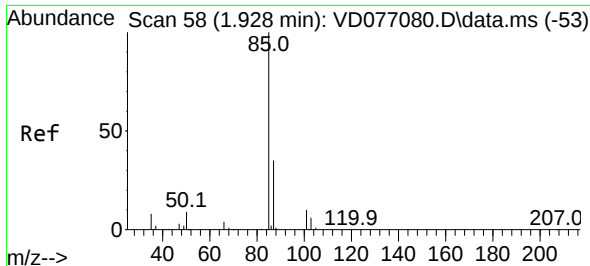
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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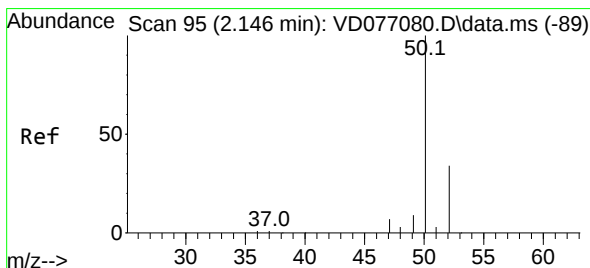
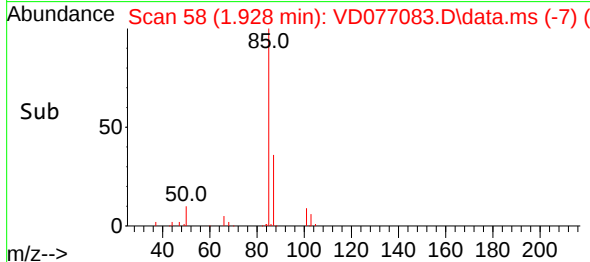
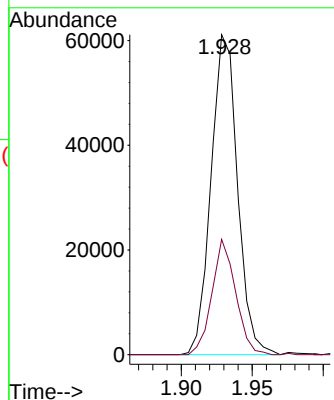
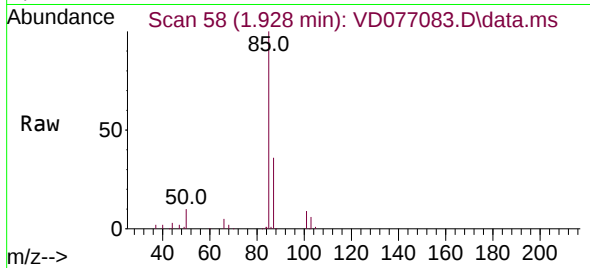




#2
 Dichlorodifluoromethane
 Concen: 21.368 ug/L
 RT: 1.928 min Scan# 58
 Delta R.T. 0.000 min
 Lab File: VD077083.D
 Acq: 01 Sep 2023 15:07

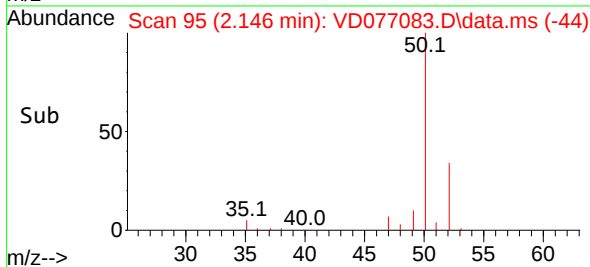
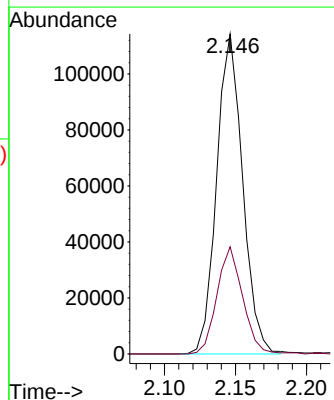
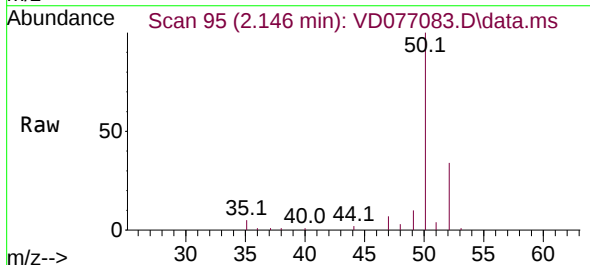
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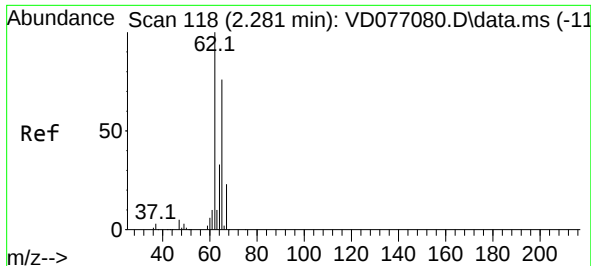
Tgt Ion: 85 Resp: 79259
 Ion Ratio Lower Upper
 85 100
 87 32.2 27.0 40.6



#3
 Chloromethane
 Concen: 23.102 ug/L
 RT: 2.146 min Scan# 95
 Delta R.T. 0.000 min
 Lab File: VD077083.D
 Acq: 01 Sep 2023 15:07

Tgt Ion: 50 Resp: 145409
 Ion Ratio Lower Upper
 50 100
 52 33.5 23.5 43.7

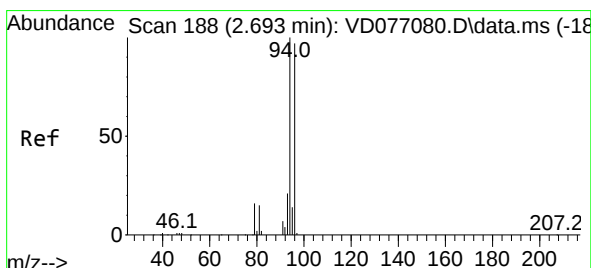
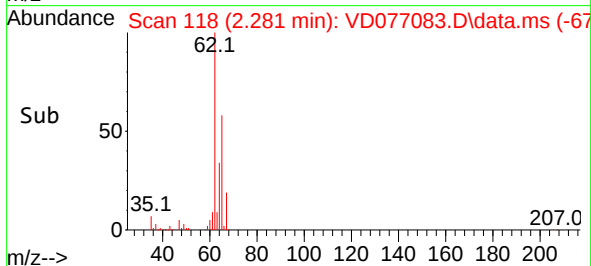
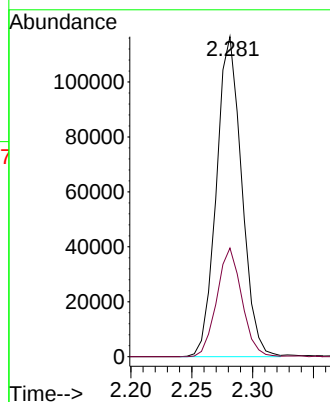
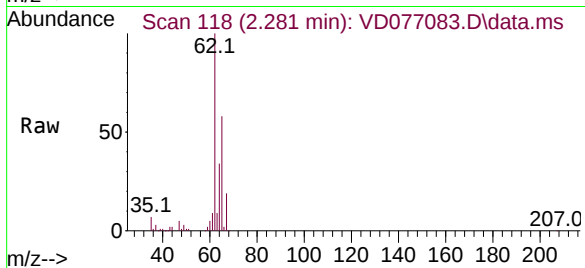




#5
 Vinyl chloride
 Concen: 22.836 ug/L
 RT: 2.281 min Scan# 118
 Delta R.T. 0.000 min
 Lab File: VD077083.D
 Acq: 01 Sep 2023 15:07

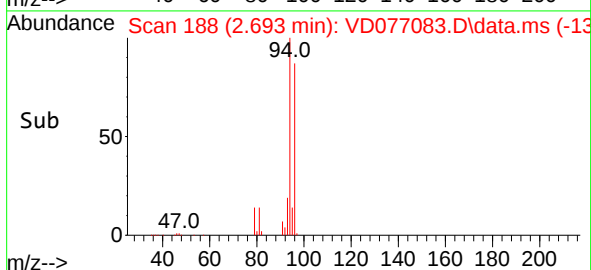
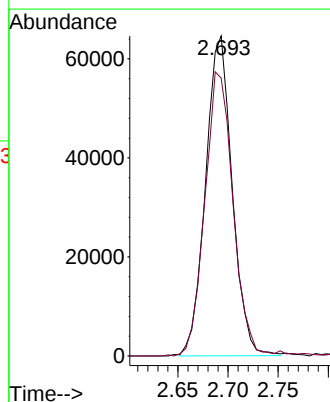
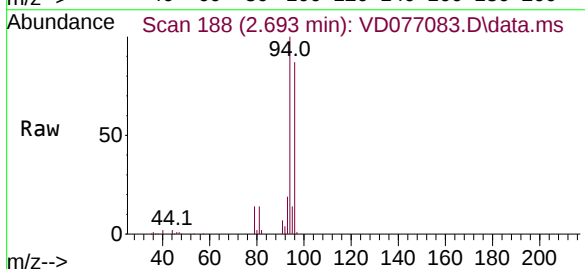
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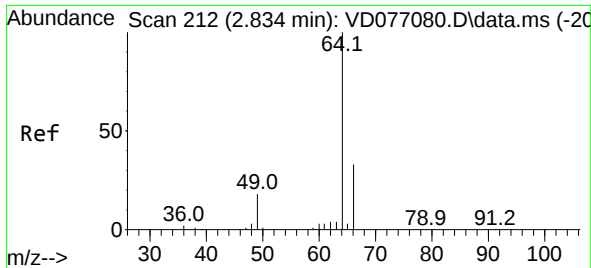
Tgt Ion: 62 Resp: 168607
 Ion Ratio Lower Upper
 62 100
 64 34.0 23.2 43.2



#6
 Bromomethane
 Concen: 23.161 ug/L
 RT: 2.693 min Scan# 188
 Delta R.T. 0.000 min
 Lab File: VD077083.D
 Acq: 01 Sep 2023 15:07

Tgt Ion: 94 Resp: 119459
 Ion Ratio Lower Upper
 94 100
 96 86.8 68.2 126.6

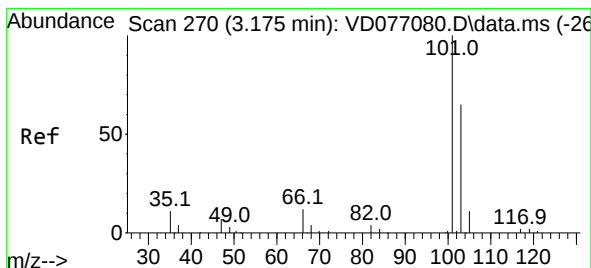
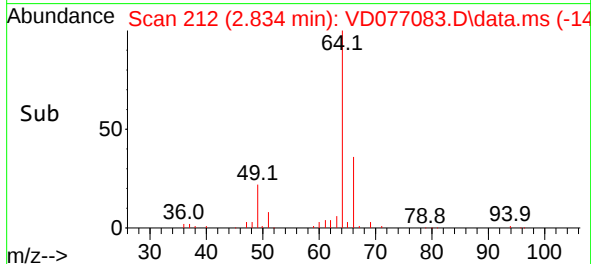
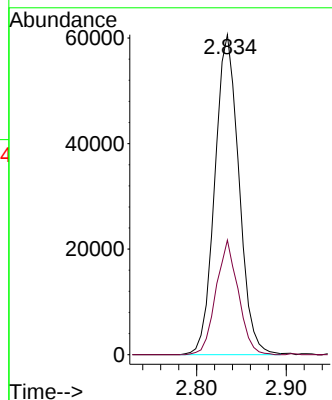
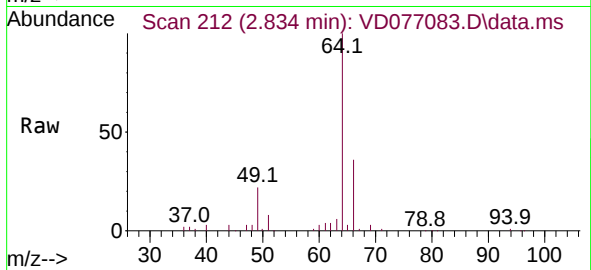




#8
Chloroethane
Concen: 23.347 ug/L
RT: 2.834 min Scan# 212
Delta R.T. 0.000 min
Lab File: VD077083.D
Acq: 01 Sep 2023 15:07

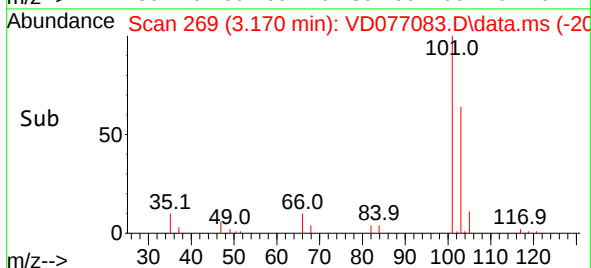
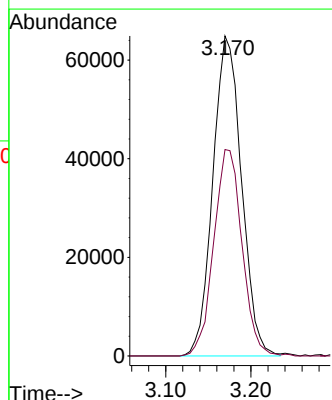
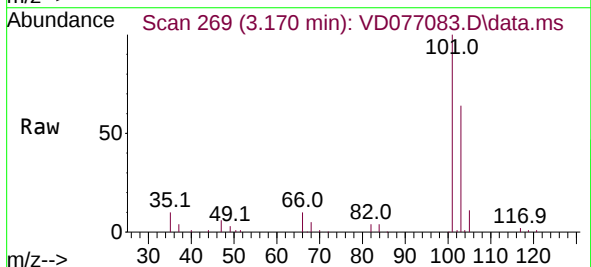
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ClientSampleId :

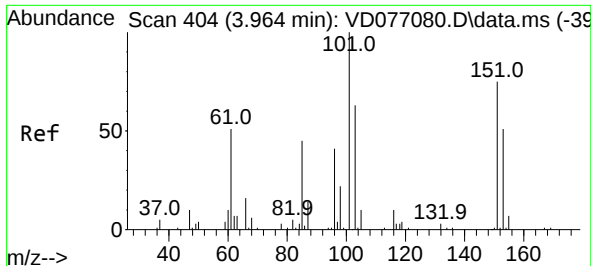
Tgt Ion: 64 Resp: 113126
Ion Ratio Lower Upper
64 100
66 35.8 23.0 42.6



#9
Trichlorofluoromethane
Concen: 21.733 ug/L
RT: 3.170 min Scan# 269
Delta R.T. -0.006 min
Lab File: VD077083.D
Acq: 01 Sep 2023 15:07

Tgt Ion: 101 Resp: 151729
Ion Ratio Lower Upper
101 100
103 63.6 52.0 78.0

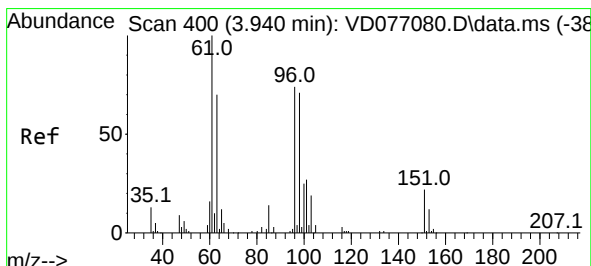
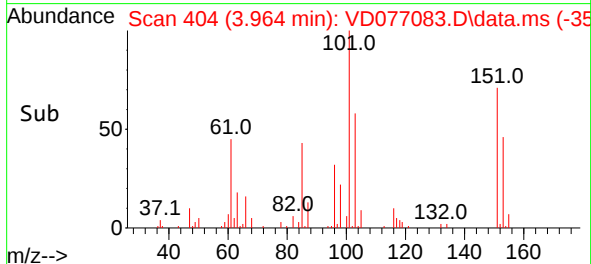
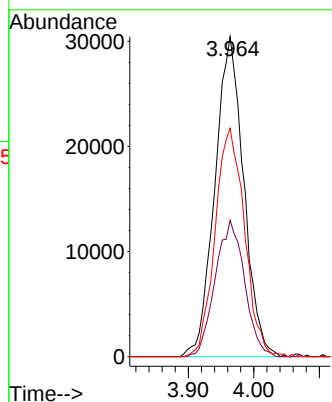
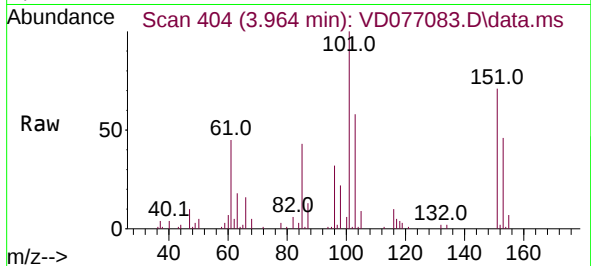




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 21.732 ug/L
 RT: 3.964 min Scan# 404
 Delta R.T. 0.000 min
 Lab File: VD077083.D
 Acq: 01 Sep 2023 15:07

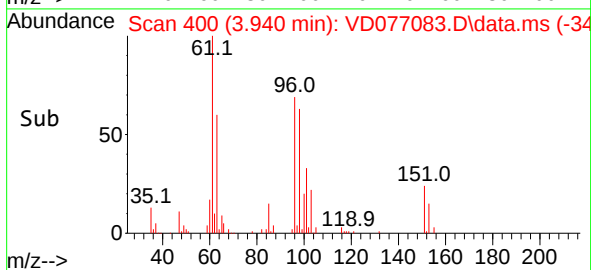
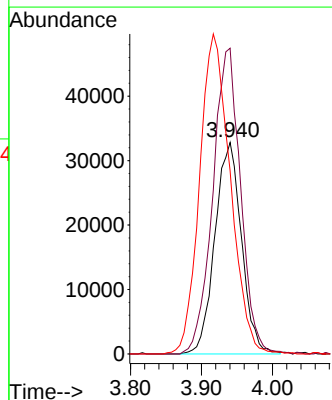
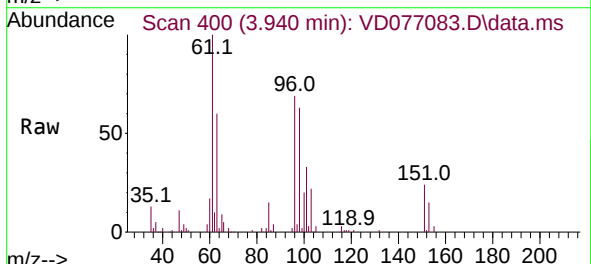
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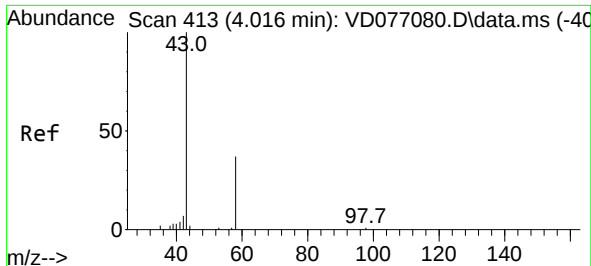
Tgt Ion:101 Resp: 92808
 Ion Ratio Lower Upper
 101 100
 85 43.3 33.4 50.2
 151 72.6 59.6 89.4



#12
 1,1-Dichloroethene
 Concen: 21.929 ug/L
 RT: 3.940 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VD077083.D
 Acq: 01 Sep 2023 15:07

Tgt Ion: 96 Resp: 85169
 Ion Ratio Lower Upper
 96 100
 61 144.5 95.5 177.3
 63 86.5 68.6 127.4

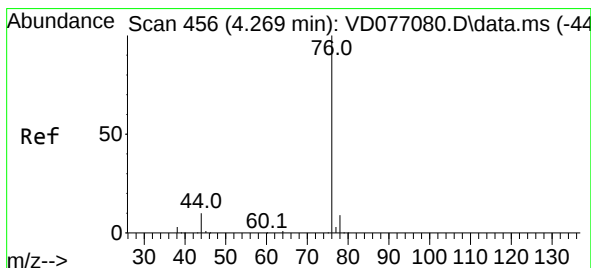
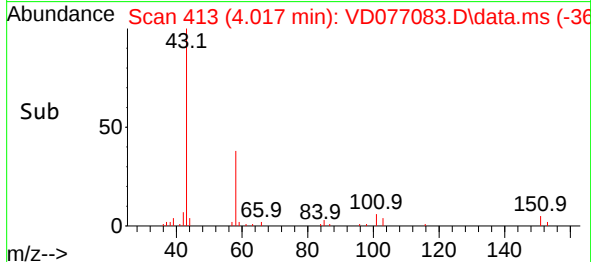
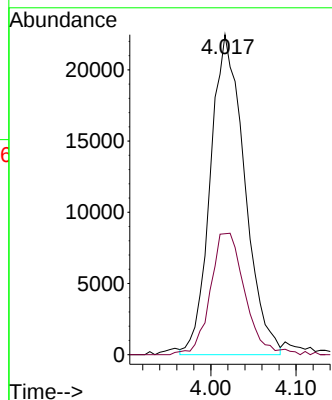
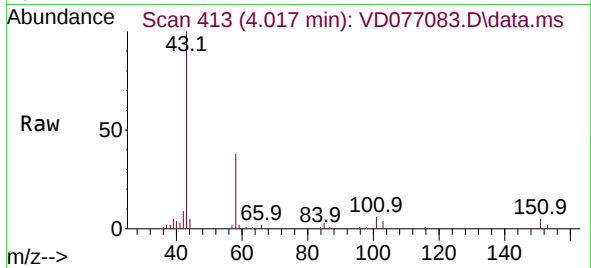




#13
Acetone
Concen: 48.666 ug/L
RT: 4.017 min Scan# 413
Delta R.T. 0.000 min
Lab File: VD077083.D
Acq: 01 Sep 2023 15:07

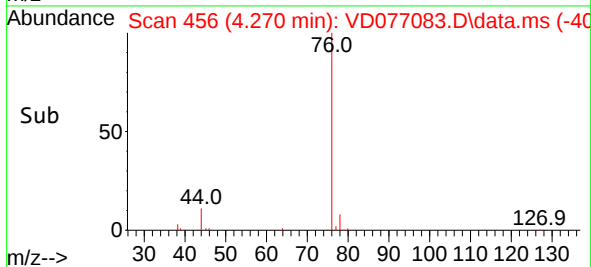
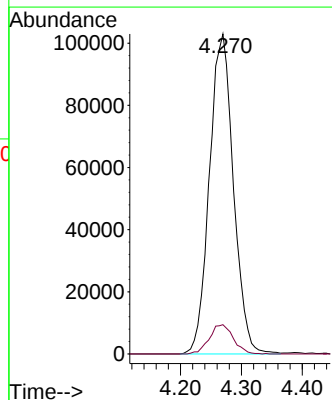
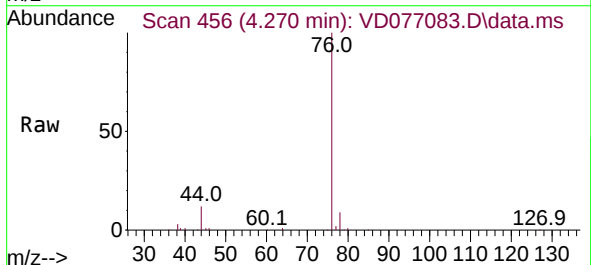
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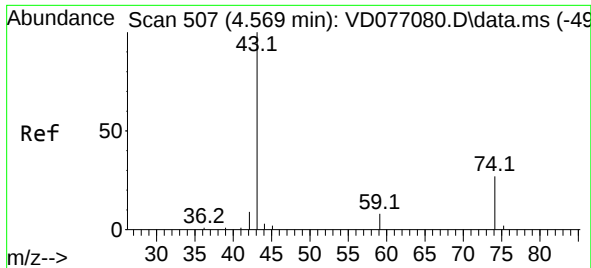
Tgt Ion: 43 Resp: 62680
Ion Ratio Lower Upper
43 100
58 37.2 0.0 71.8



#14
Carbon disulfide
Concen: 22.441 ug/L
RT: 4.270 min Scan# 456
Delta R.T. 0.000 min
Lab File: VD077083.D
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Tgt Ion: 76 Resp: 282151
Ion Ratio Lower Upper
76 100
78 9.2 7.5 11.3

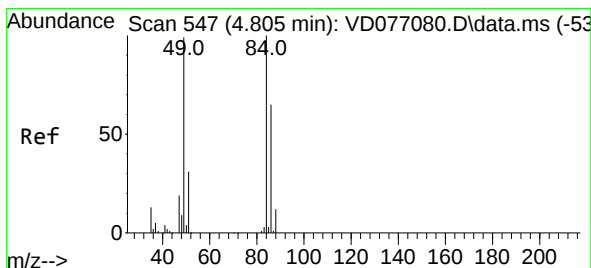
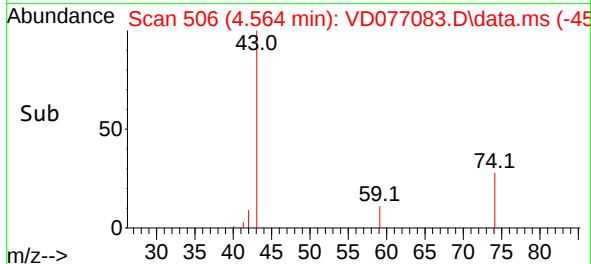
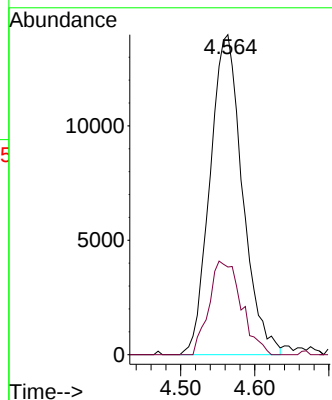
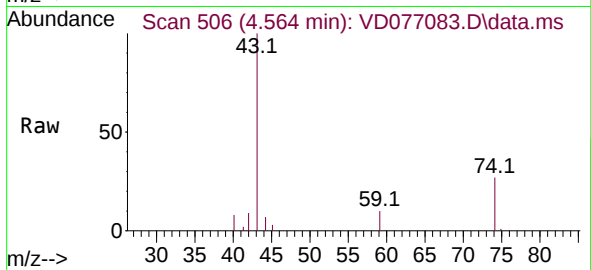




#15
Methyl Acetate
Concen: 24.723 ug/L
RT: 4.564 min Scan# 507
Delta R.T. -0.006 min
Lab File: VD077083.D
Acq: 01 Sep 2023 15:07

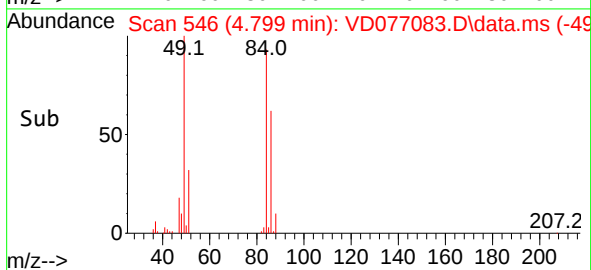
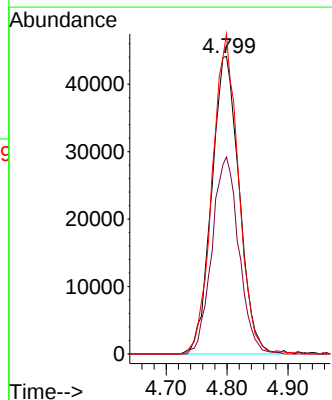
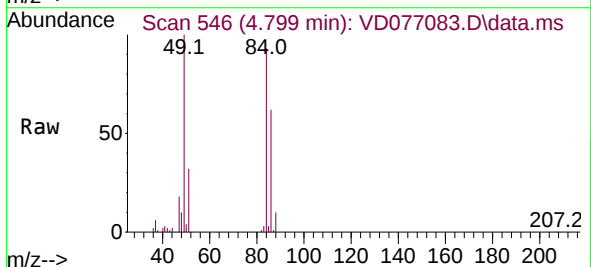
Instrument :
MSVOA_D
ClientSampleId :

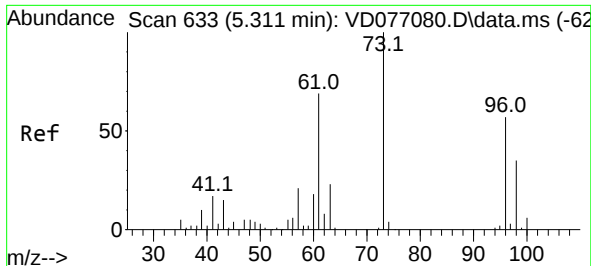
Tgt Ion: 43 Resp: 42591
Ion Ratio Lower Upper
43 100
74 17.6 0.2 0.2#



#16
Methylene chloride
Concen: 23.525 ug/L
RT: 4.799 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD077083.D
Acq: 01 Sep 2023 15:07

Tgt Ion: 84 Resp: 138482
Ion Ratio Lower Upper
84 100
86 66.2 45.3 84.1
49 107.5 69.2 128.6





#17

trans-1,2-Dichloroethene

Concen: 23.380 ug/L

RT: 5.311 min Scan# 61

Delta R.T. 0.000 min

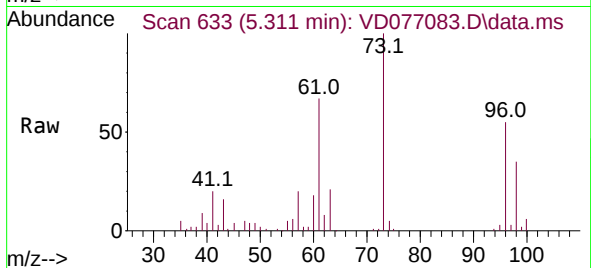
Lab File: VD077083.D

Acq: 01 Sep 2023 15:07

Instrument :

MSVOA_D

ClientSampleId :



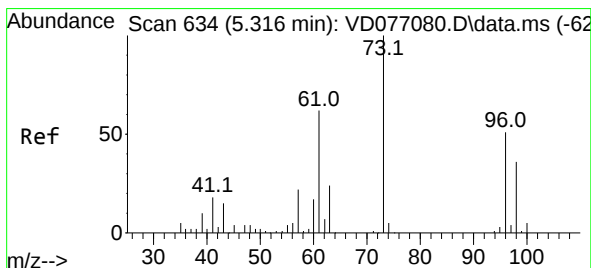
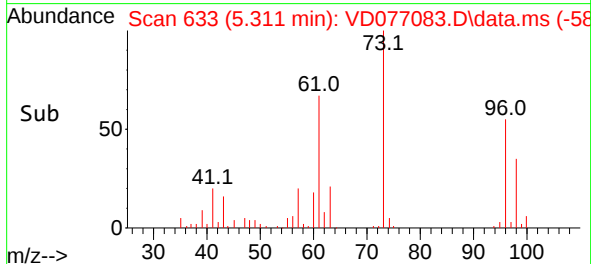
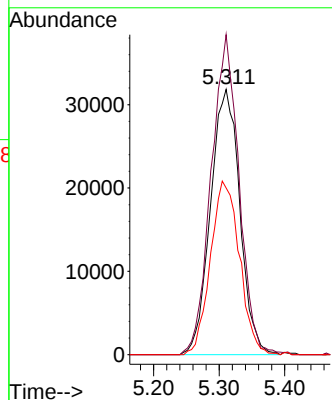
Tgt Ion: 96 Resp: 98872

Ion Ratio Lower Upper

96 100

61 120.6 85.1 158.1

98 62.8 43.7 81.1



#18

Methyl tert-butyl Ether

Concen: 23.334 ug/L

RT: 5.317 min Scan# 634

Delta R.T. 0.000 min

Lab File: VD077083.D

Acq: 01 Sep 2023 15:07

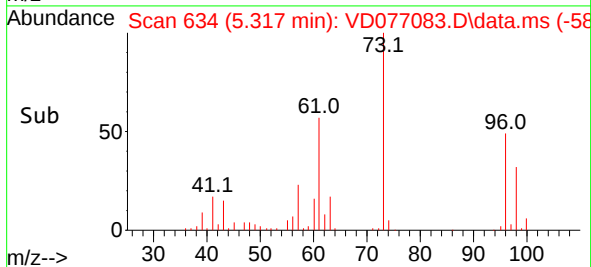
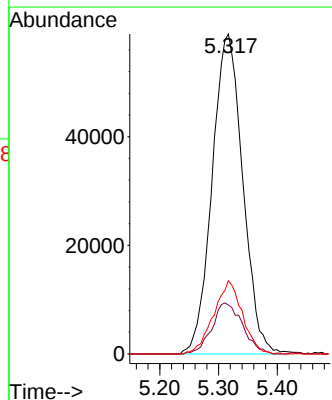
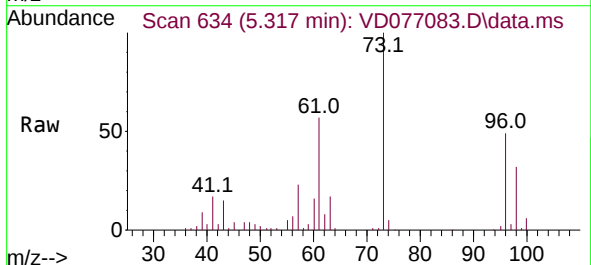
Tgt Ion: 73 Resp: 213103

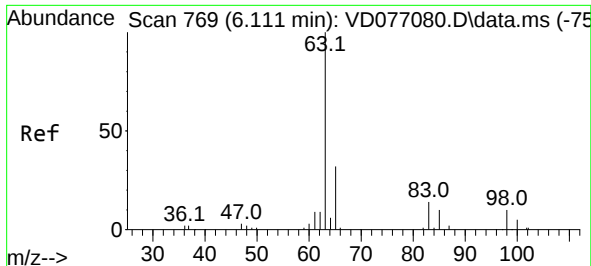
Ion Ratio Lower Upper

73 100

43 16.0 12.5 18.7

57 21.4 16.8 25.2





#19

1,1-Dichloroethane

Concen: 22.926 ug/L

RT: 6.105 min Scan# 70

Delta R.T. -0.006 min

Lab File: VD077083.D

Acq: 01 Sep 2023 15:07

Instrument :

MSVOA_D

ClientSampleId :

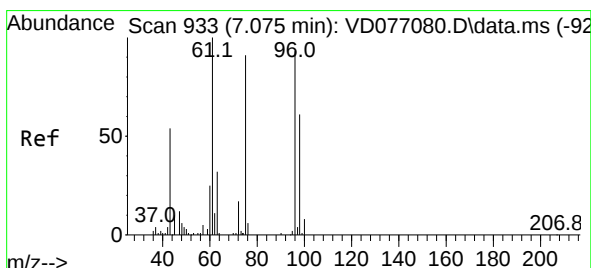
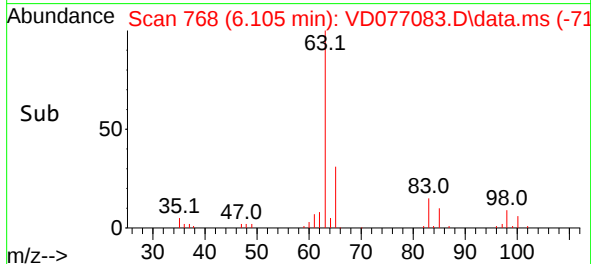
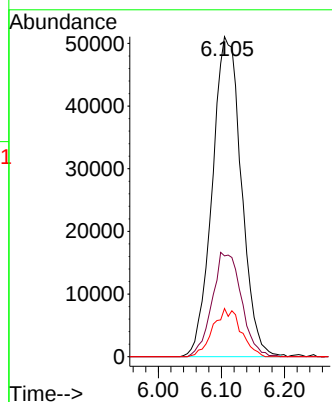
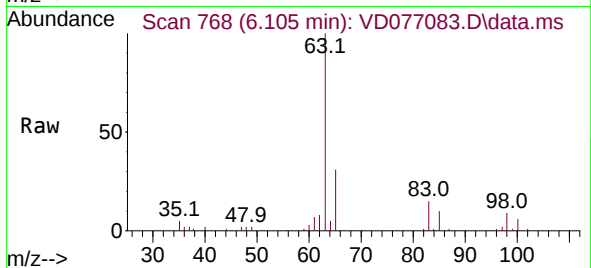
Tgt Ion: 63 Resp: 163472

Ion Ratio Lower Upper

63 100

65 31.5 22.5 41.9

83 15.0 9.9 18.5



#20

cis-1,2-Dichloroethene

Concen: 22.912 ug/L

RT: 7.081 min Scan# 934

Delta R.T. 0.006 min

Lab File: VD077083.D

Acq: 01 Sep 2023 15:07

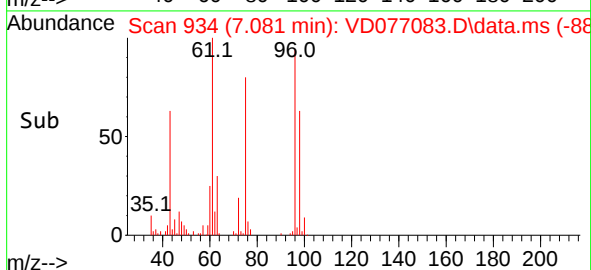
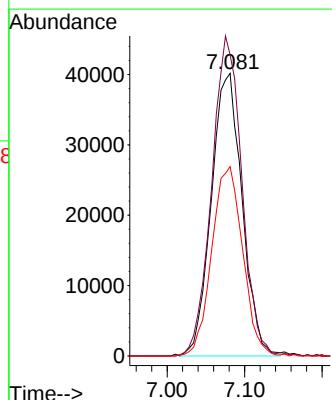
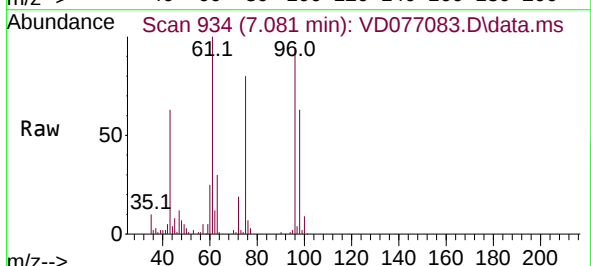
Tgt Ion: 96 Resp: 110927

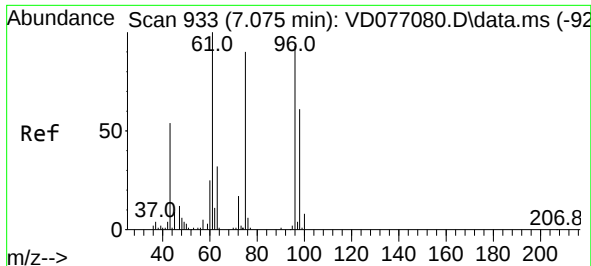
Ion Ratio Lower Upper

96 100

61 106.6 75.5 140.1

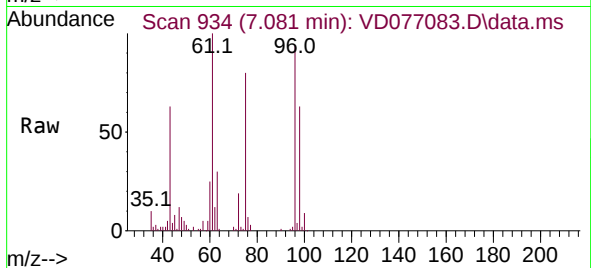
98 67.0 45.8 85.0



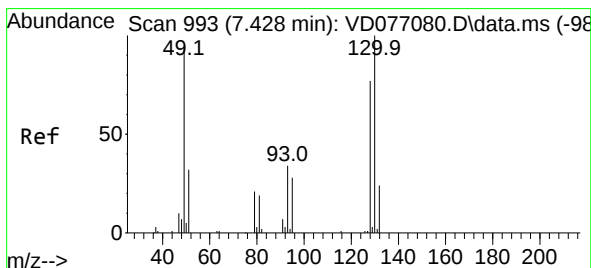
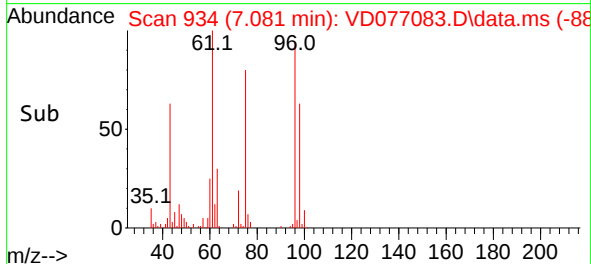
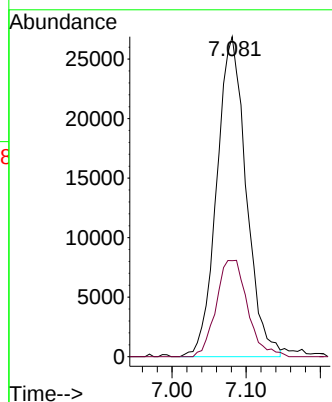


#22
2-Butanone
Concen: 47.733 ug/L
RT: 7.081 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD077083.D
Acq: 01 Sep 2023 15:07

Instrument :
MSVOA_D
ClientSampleId :

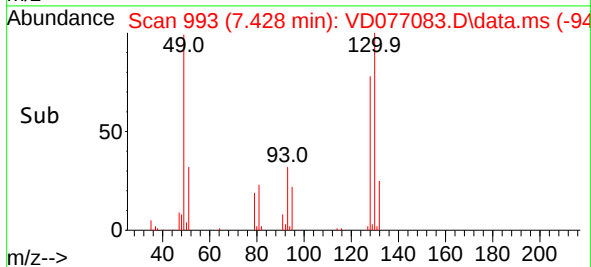
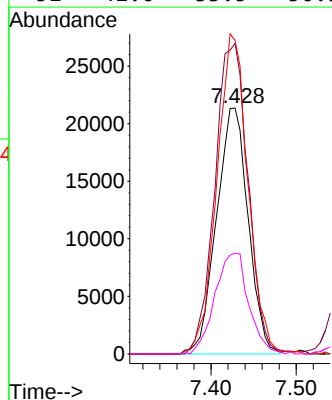
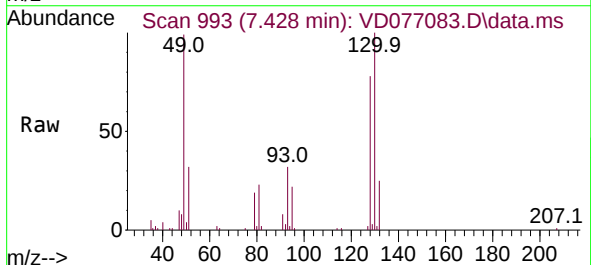


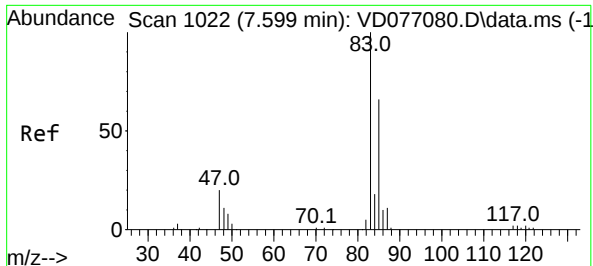
Tgt Ion: 43 Resp: 74169
Ion Ratio Lower Upper
43 100
72 32.1 16.0 48.0



#23
Bromochloromethane
Concen: 23.881 ug/L
RT: 7.428 min Scan# 993
Delta R.T. 0.000 min
Lab File: VD077083.D
Acq: 01 Sep 2023 15:07

Tgt Ion:128 Resp: 55178
Ion Ratio Lower Upper
128 100
49 126.3 86.5 160.6
130 127.5 91.2 169.4
51 41.0 33.5 50.3





#25

Chloroform

Concen: 23.707 ug/L

RT: 7.593 min Scan# 1022

Delta R.T. -0.006 min

Lab File: VD077083.D

Acq: 01 Sep 2023 15:07

Instrument :

MSVOA_D

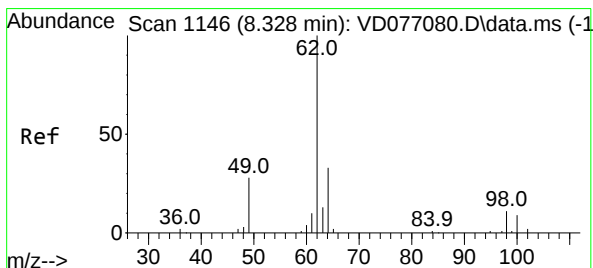
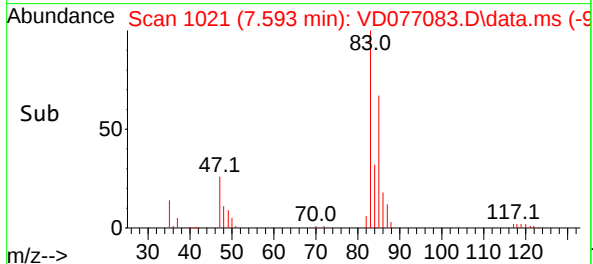
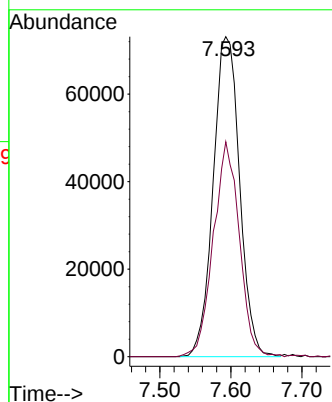
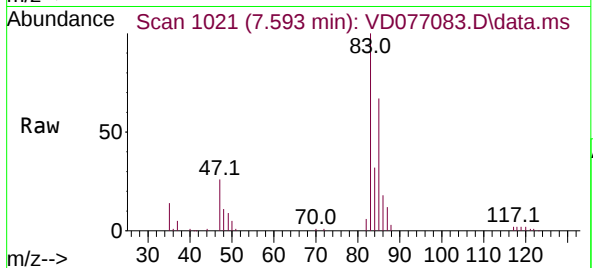
ClientSampleId :

Tgt Ion: 83 Resp: 188748

Ion Ratio Lower Upper

83 100

85 67.2 46.2 85.8



#27

1,2-Dichloroethane

Concen: 23.588 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VD077083.D

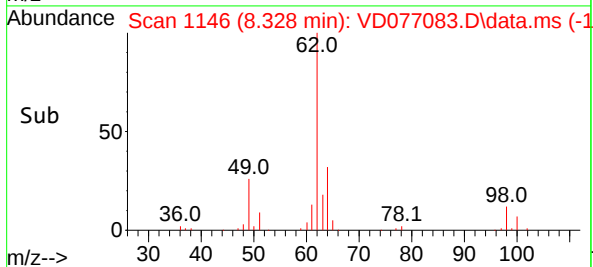
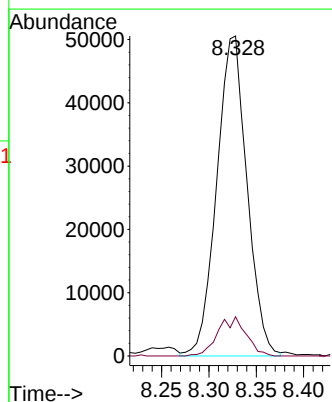
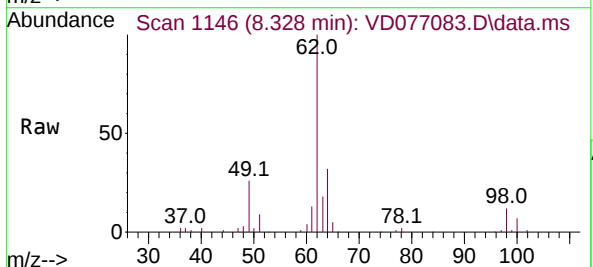
Acq: 01 Sep 2023 15:07

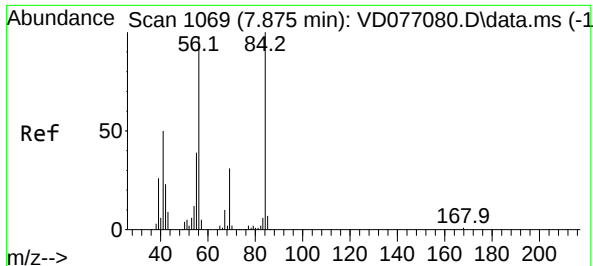
Tgt Ion: 62 Resp: 112480

Ion Ratio Lower Upper

62 100

98 12.3 9.0 13.4





#29

Cyclohexane

Concen: 21.097 ug/L

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD077083.D

Acq: 01 Sep 2023 15:07

Instrument :

MSVOA_D

ClientSampleId :

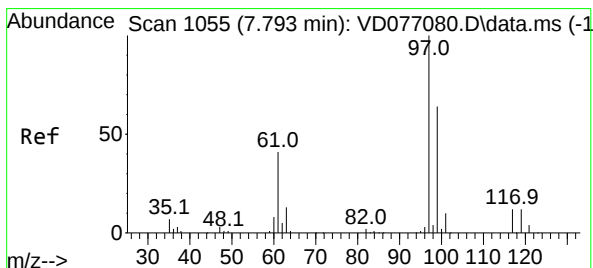
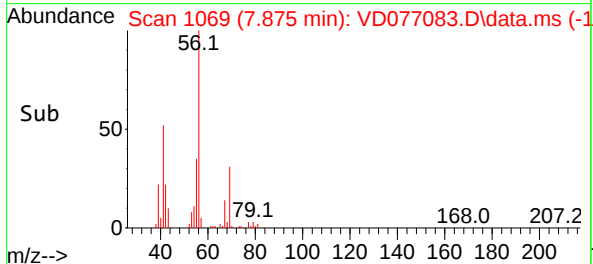
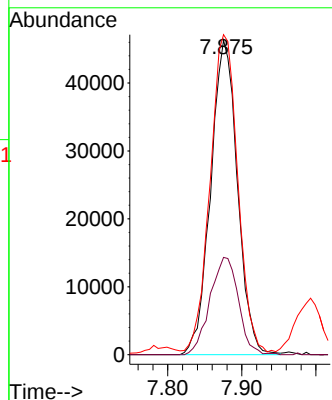
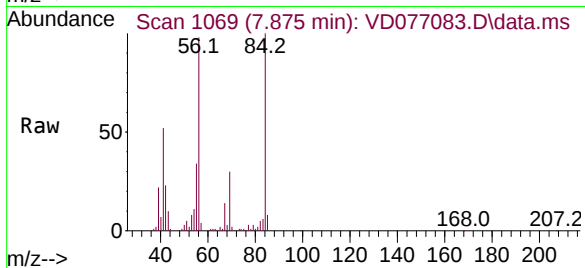
Tgt Ion: 56 Resp: 116138

Ion Ratio Lower Upper

56 100

69 32.7 25.5 38.3

84 105.9 82.6 124.0



#30

1,1,1-Trichloroethane

Concen: 22.412 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VD077083.D

Acq: 01 Sep 2023 15:07

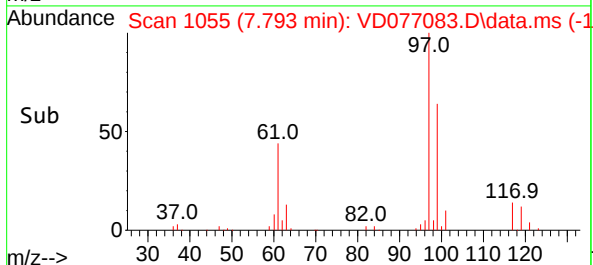
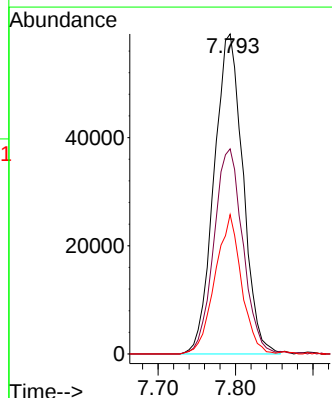
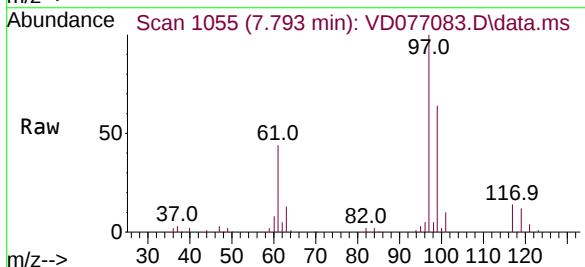
Tgt Ion: 97 Resp: 153371

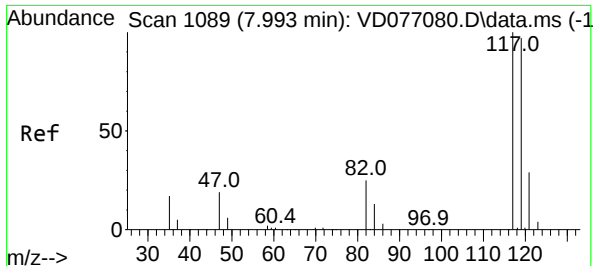
Ion Ratio Lower Upper

97 100

99 64.3 50.7 76.1

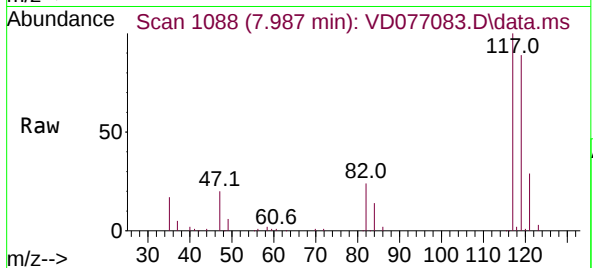
61 39.8 32.6 48.8



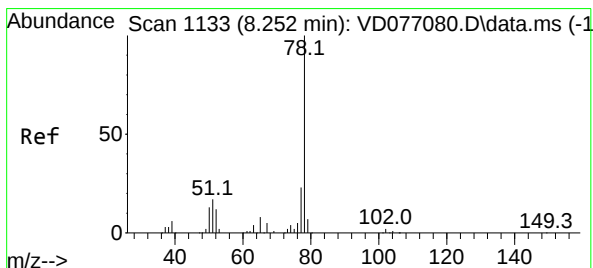
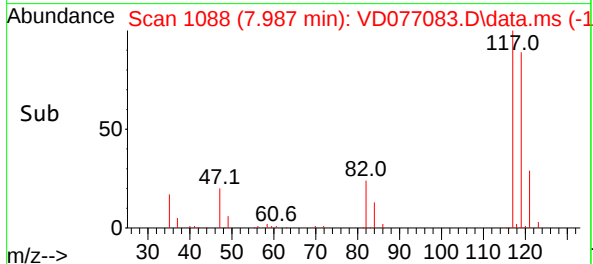
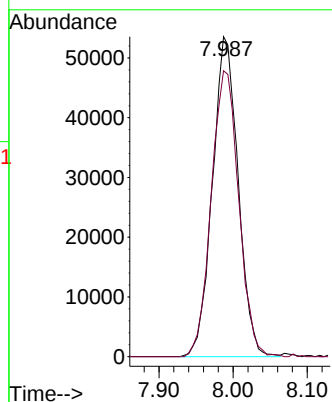


#31
Carbon tetrachloride
Concen: 22.312 ug/L
RT: 7.987 min Scan# 110
Delta R.T. -0.006 min
Lab File: VD077083.D
Acq: 01 Sep 2023 15:07

Instrument :
MSVOA_D
ClientSampleId :

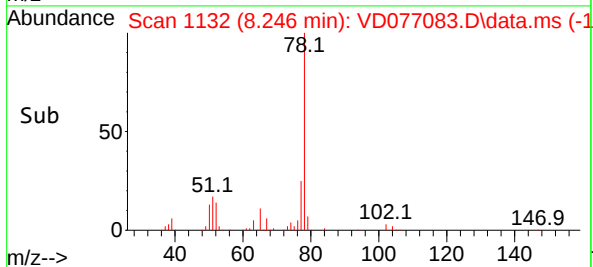
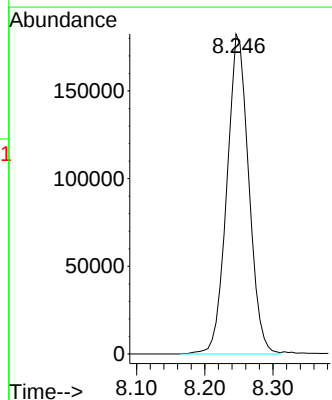
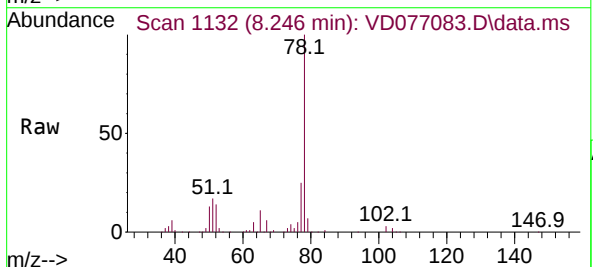


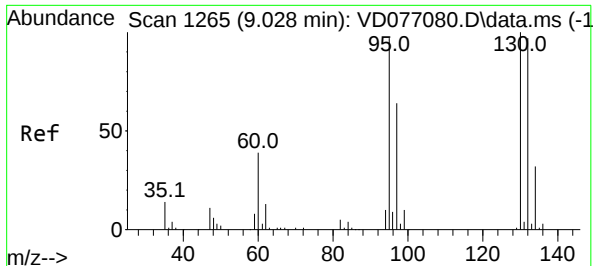
Tgt Ion:117 Resp: 129159
Ion Ratio Lower Upper
117 100
119 95.3 76.2 114.4



#33
Benzene
Concen: 23.151 ug/L
RT: 8.246 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VD077083.D
Acq: 01 Sep 2023 15:07

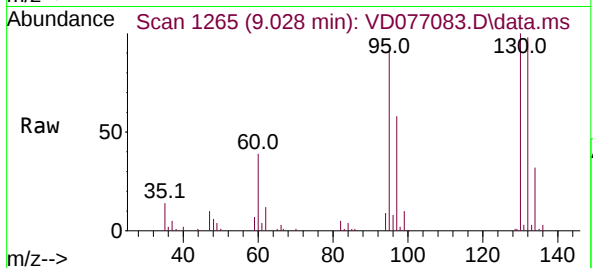
Tgt Ion: 78 Resp: 407117



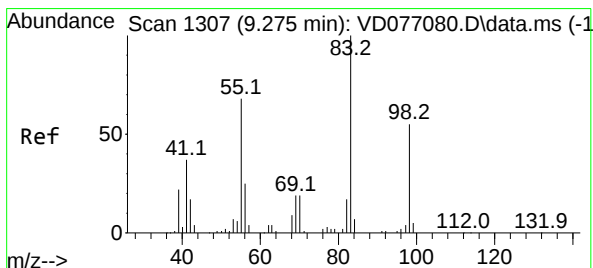
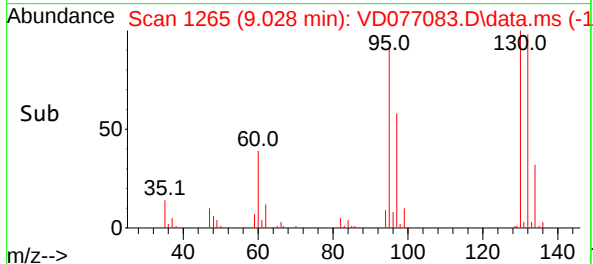
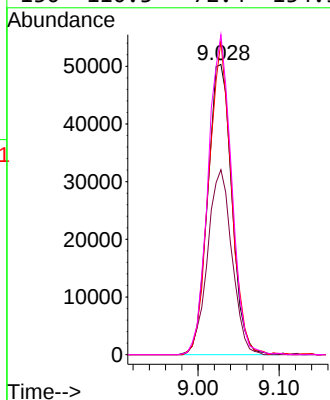


#34
Trichloroethene
Concen: 22.283 ug/L
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD077083.D
Acq: 01 Sep 2023 15:07

Instrument :
MSVOA_D
ClientSampleId :

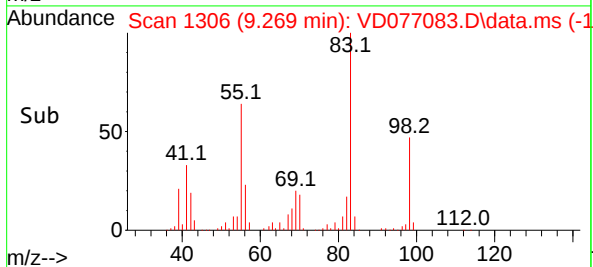
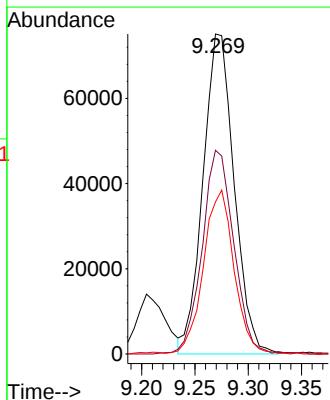
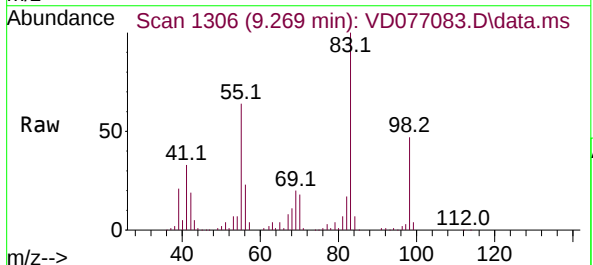


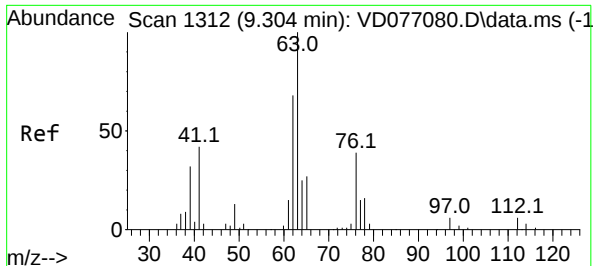
Tgt Ion: 95 Resp: 103902
Ion Ratio Lower Upper
95 100
97 63.7 46.4 86.2
132 108.1 70.1 130.1
130 110.3 72.4 134.5



#35
Methylcyclohexane
Concen: 21.244 ug/L
RT: 9.269 min Scan# 1306
Delta R.T. -0.006 min
Lab File: VD077083.D
Acq: 01 Sep 2023 15:07

Tgt Ion: 83 Resp: 152765
Ion Ratio Lower Upper
83 100
55 64.4 51.5 77.3
98 50.3 40.7 61.1





#37

1,2-Dichloropropane

Concen: 23.120 ug/L

RT: 9.299 min Scan# 1311

Delta R.T. -0.006 min

Lab File: VD077083.D

Acq: 01 Sep 2023 15:07

Instrument :

MSVOA_D

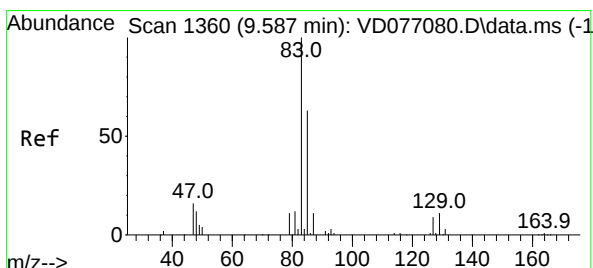
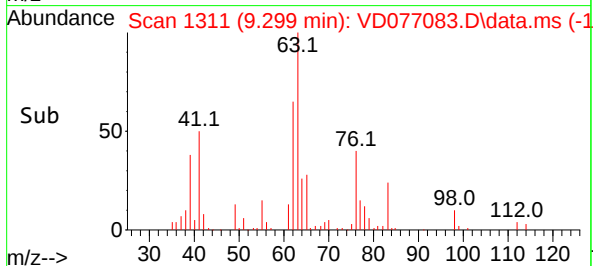
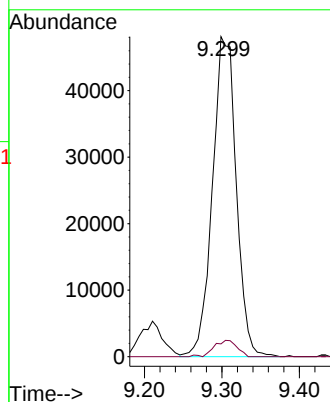
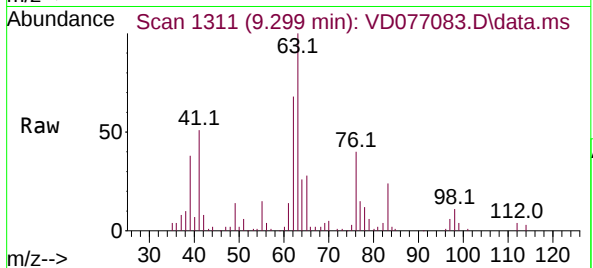
ClientSampleId :

Tgt Ion: 63 Resp: 102548

Ion Ratio Lower Upper

63 100

112 4.8 4.0 6.0



#38

Bromodichloromethane

Concen: 23.112 ug/L

RT: 9.587 min Scan# 1360

Delta R.T. 0.000 min

Lab File: VD077083.D

Acq: 01 Sep 2023 15:07

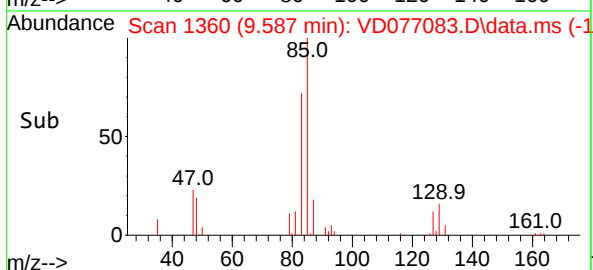
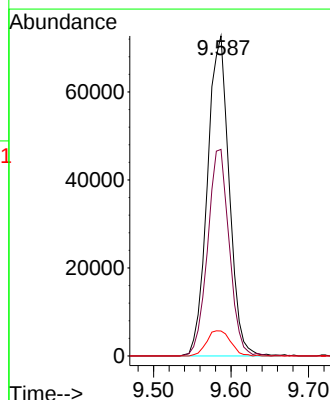
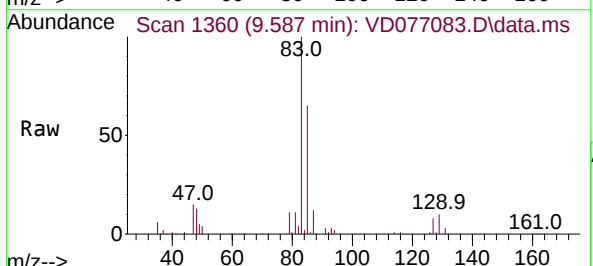
Tgt Ion: 83 Resp: 141428

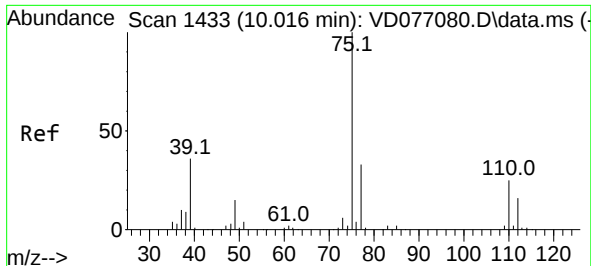
Ion Ratio Lower Upper

83 100

85 64.6 44.0 81.6

127 7.8 7.5 11.3





#39

cis-1,3-Dichloropropene

Concen: 23.485 ug/L

RT: 10.016 min Scan# 1433

Delta R.T. 0.000 min

Lab File: VD077083.D

Acq: 01 Sep 2023 15:07

Instrument :

MSVOA_D

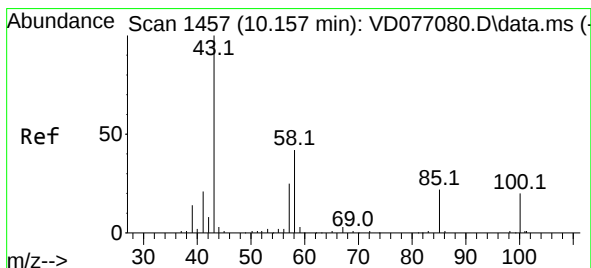
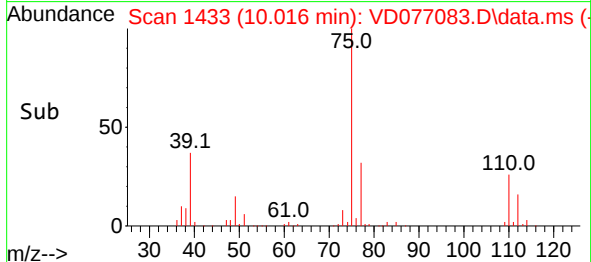
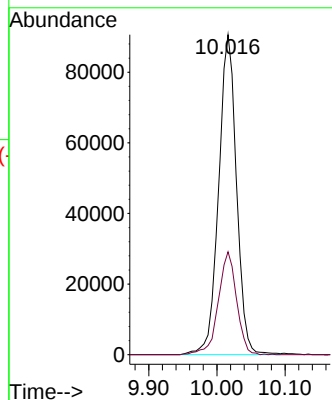
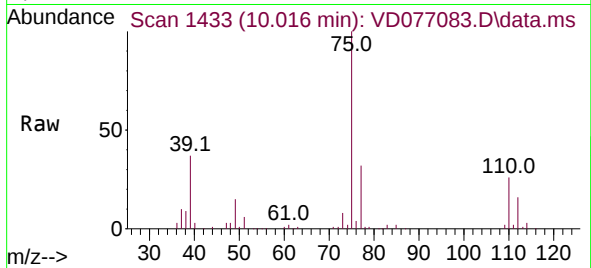
ClientSampleId :

Tgt Ion: 75 Resp: 165613

Ion Ratio Lower Upper

75 100

77 32.1 23.2 43.2



#40

4-Methyl-2-pentanone

Concen: 49.307 ug/L

RT: 10.157 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VD077083.D

Acq: 01 Sep 2023 15:07

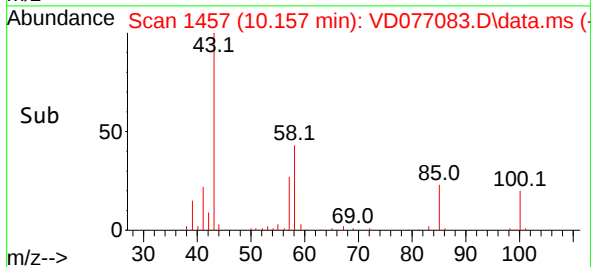
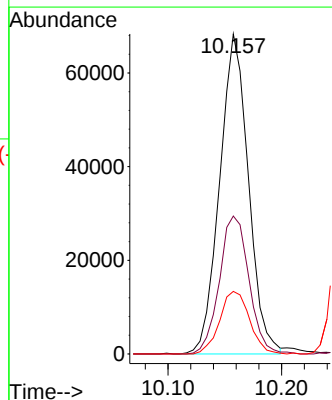
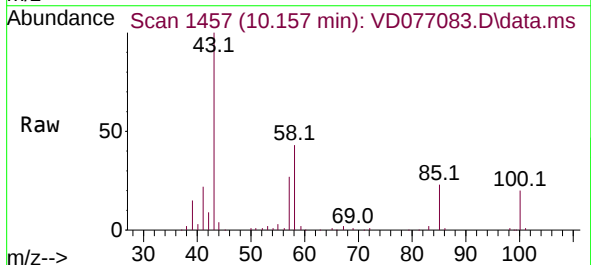
Tgt Ion: 43 Resp: 120199

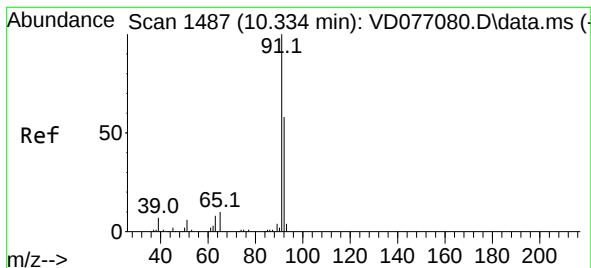
Ion Ratio Lower Upper

43 100

58 44.3 34.6 51.8

100 20.3 16.2 24.4





#42

Toluene

Concen: 23.595 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD077083.D

Acq: 01 Sep 2023 15:07

Instrument :

MSVOA_D

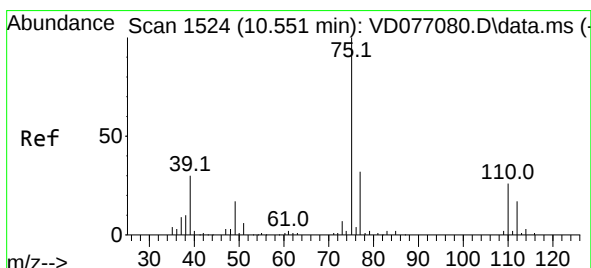
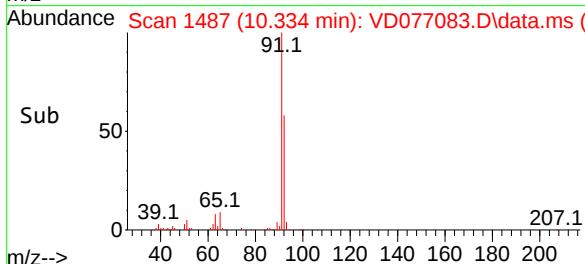
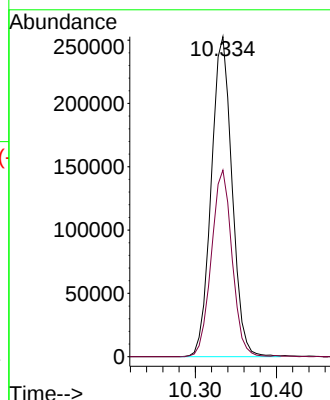
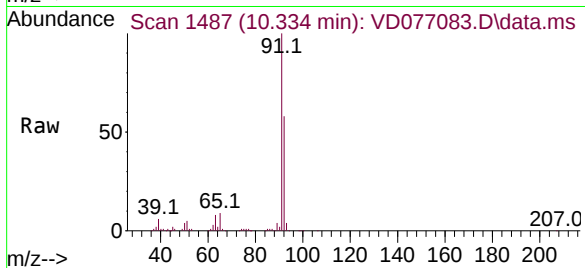
ClientSampleId :

Tgt Ion: 91 Resp: 449420

Ion Ratio Lower Upper

91 100

92 58.3 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 23.673 ug/L

RT: 10.552 min Scan# 1524

Delta R.T. 0.000 min

Lab File: VD077083.D

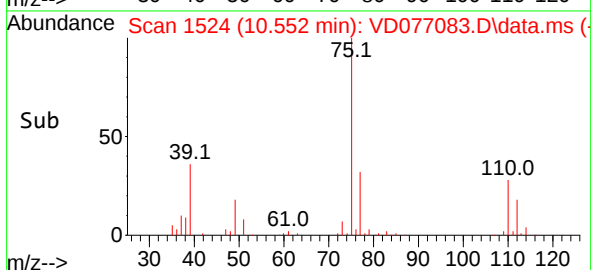
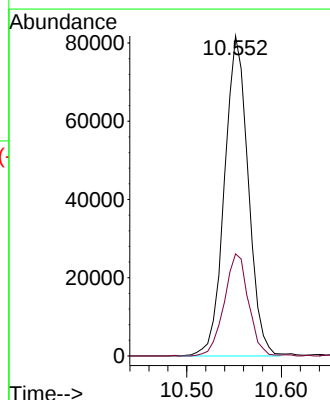
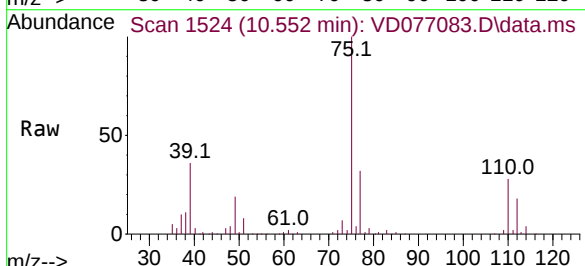
Acq: 01 Sep 2023 15:07

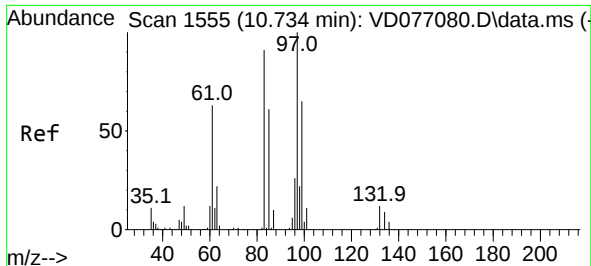
Tgt Ion: 75 Resp: 142726

Ion Ratio Lower Upper

75 100

77 31.9 22.5 41.9

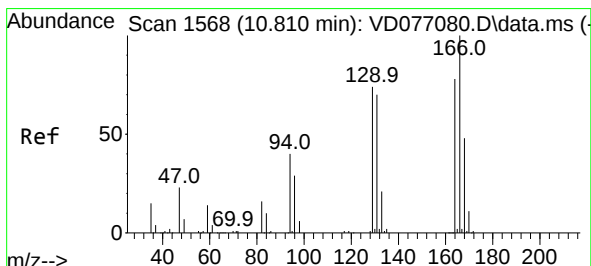
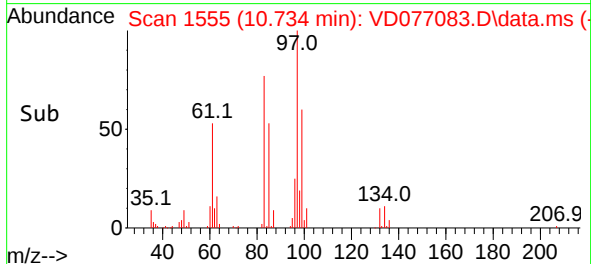
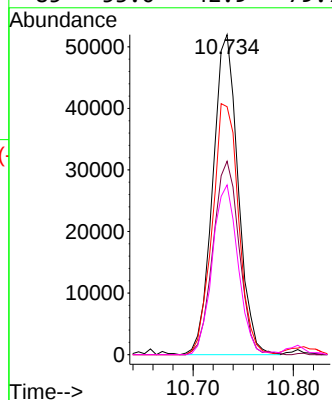
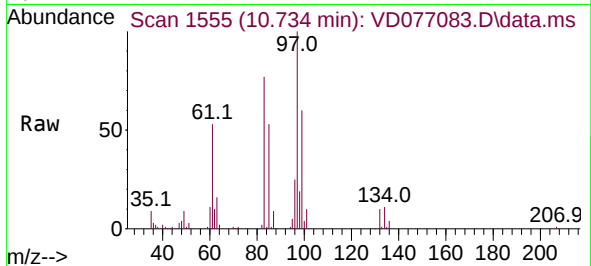




#45
1,1,2-Trichloroethane
Concen: 24.248 ug/L
RT: 10.734 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VD077083.D
Acq: 01 Sep 2023 15:07

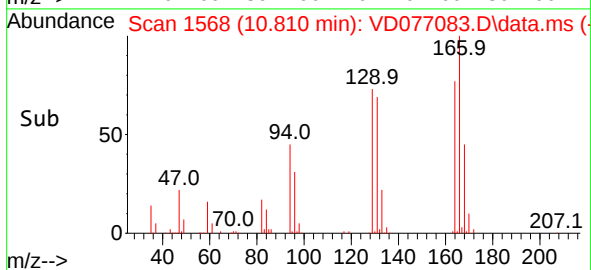
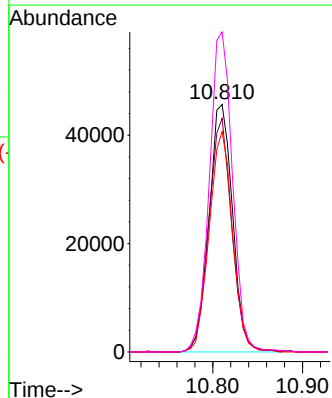
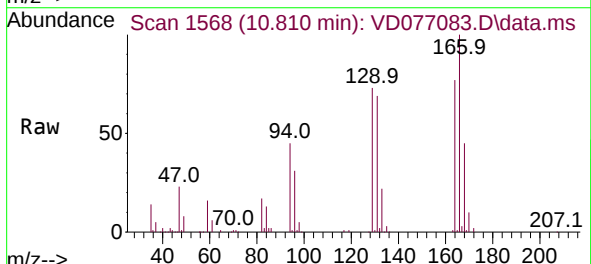
Instrument :
MSVOA_D
ClientSampleId :

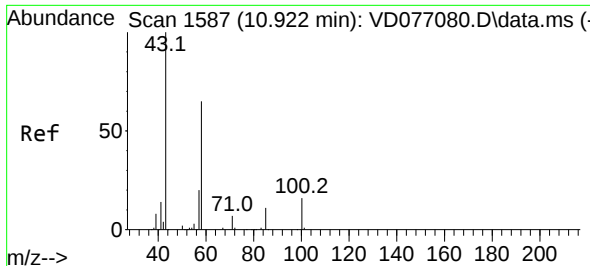
Tgt Ion: 97	Resp: 91011
Ion Ratio	Lower Upper
97 100	
99 60.5	46.1 85.5
83 77.5	64.3 119.3
85 53.0	42.9 79.7



#46
Tetrachloroethene
Concen: 21.901 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD077083.D
Acq: 01 Sep 2023 15:07

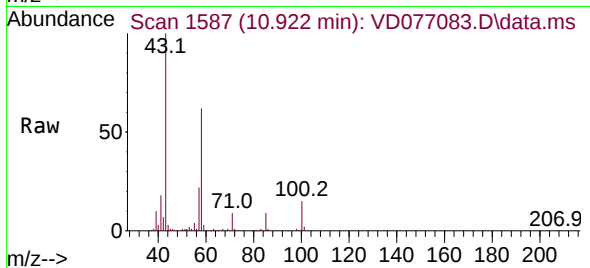
Tgt	Ion:164	Resp:	83485
Ion	Ratio	Lower	Upper
164	100		
129	94.4	66.4	123.4
131	89.0	62.6	116.3
166	129.3	89.6	166.4



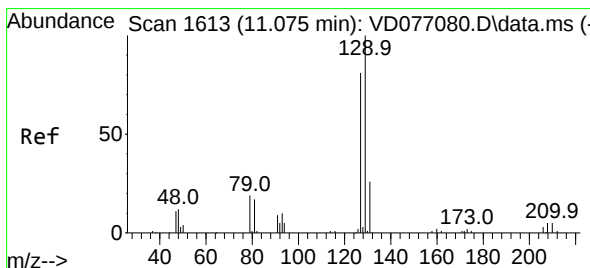
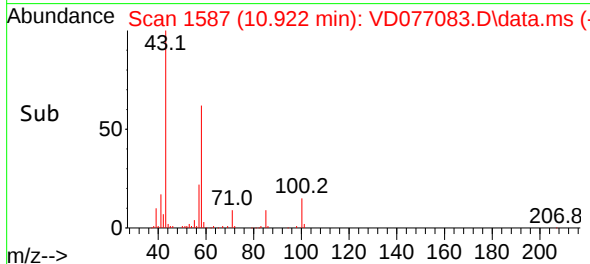
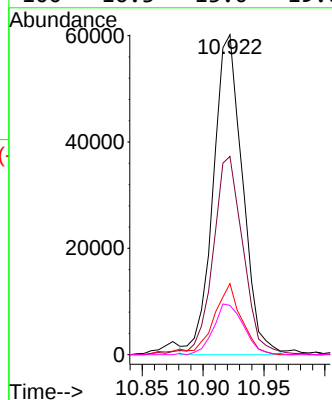


#48
2-Hexanone
Concen: 53.686 ug/L
RT: 10.922 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD077083.D
Acq: 01 Sep 2023 15:07

Instrument :
MSVOA_D
ClientSampleId :

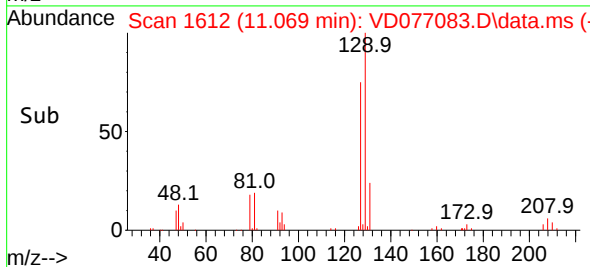
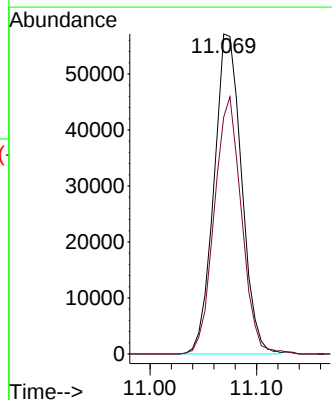
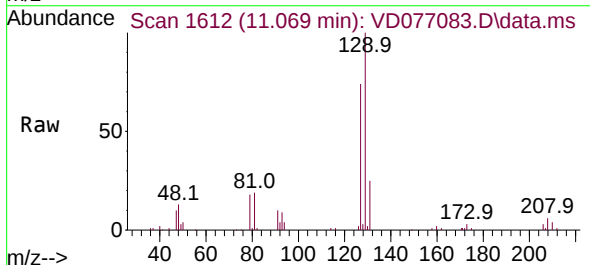


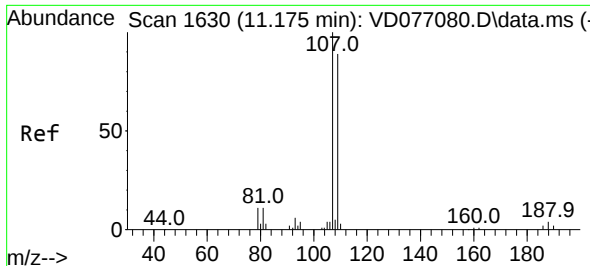
Tgt Ion: 43	Resp: 100925
Ion Ratio	Lower Upper
43 100	
58 62.7	50.6 75.8
57 20.5	16.6 24.8
100 16.3	13.0 19.6



#49
Dibromochloromethane
Concen: 23.460 ug/L
RT: 11.069 min Scan# 1612
Delta R.T. -0.006 min
Lab File: VD077083.D
Acq: 01 Sep 2023 15:07

Tgt Ion:129	Resp: 102843
Ion Ratio	Lower Upper
129 100	
127 74.1	56.6 105.2

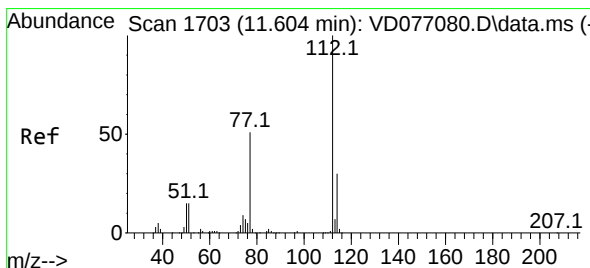
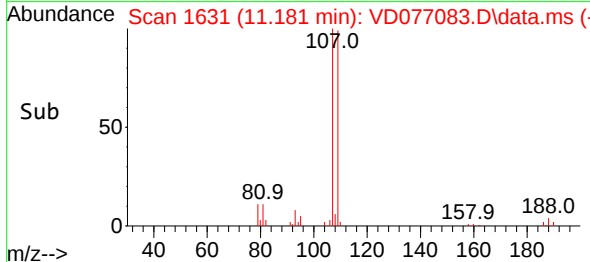
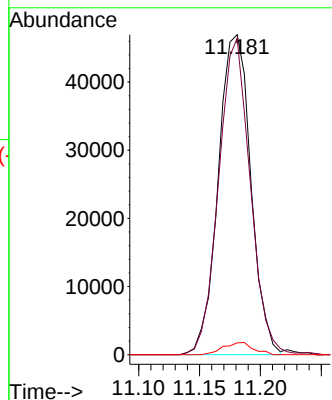
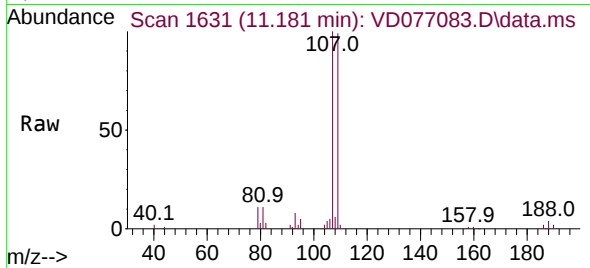




#50
1,2-Dibromoethane
Concen: 23.509 ug/L
RT: 11.181 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD077083.D
Acq: 01 Sep 2023 15:07

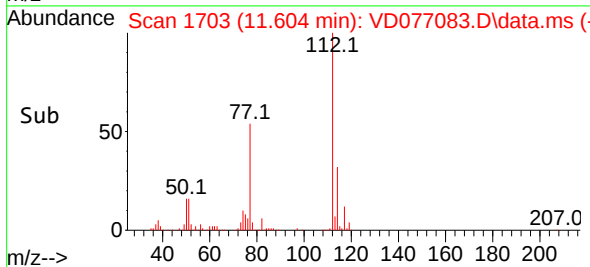
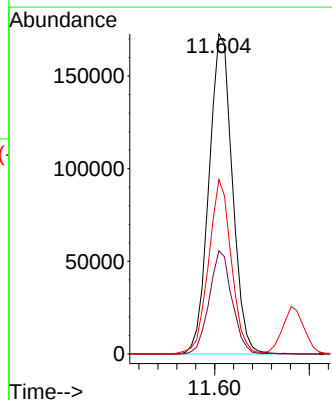
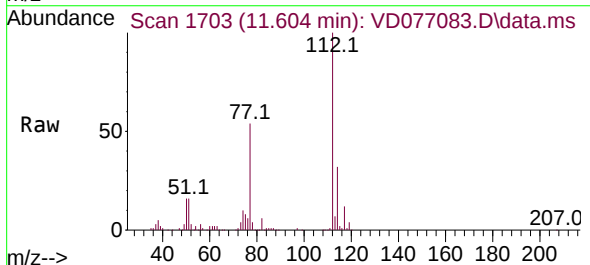
Instrument :
MSVOA_D
ClientSampleId :

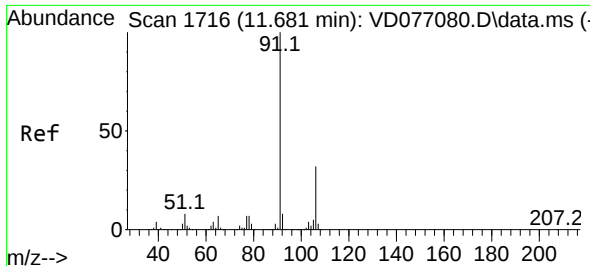
Tgt Ion:107 Resp: 87172
Ion Ratio Lower Upper
107 100
109 98.9 62.4 116.0
188 3.7 3.0 4.4



#51
Chlorobenzene
Concen: 23.249 ug/L
RT: 11.604 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VD077083.D
Acq: 01 Sep 2023 15:07

Tgt Ion:112 Resp: 296099
Ion Ratio Lower Upper
112 100
114 32.2 21.0 39.0
77 54.5 41.0 61.4

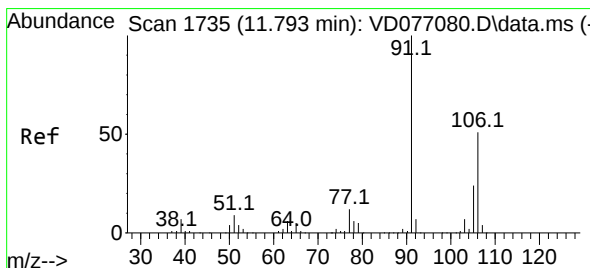
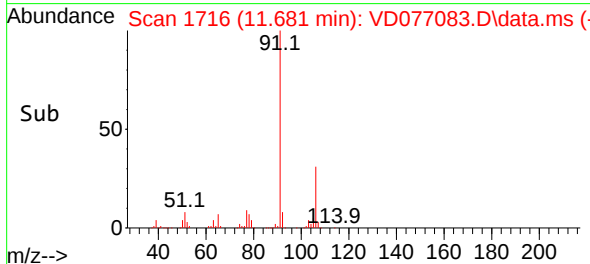
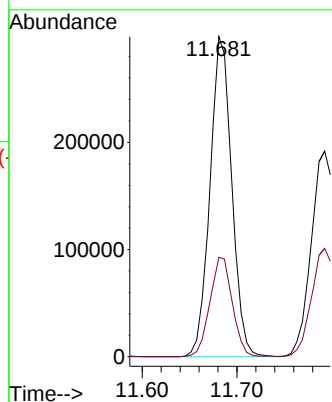
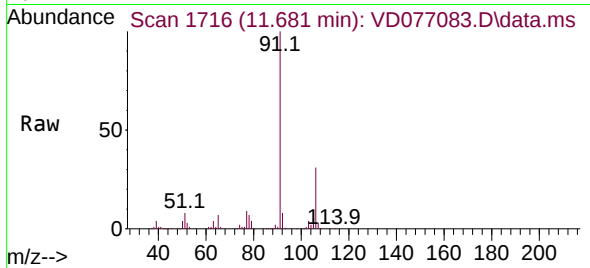




#52
Ethylbenzene
Concen: 23.137 ug/L
RT: 11.681 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VD077083.D
Acq: 01 Sep 2023 15:07

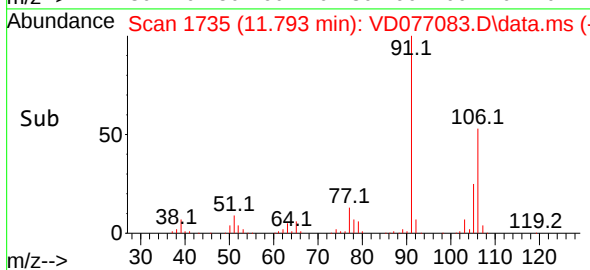
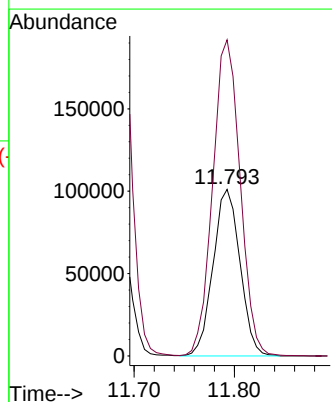
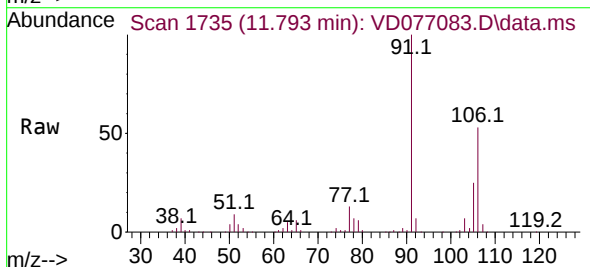
Instrument :
MSVOA_D
ClientSampleId :

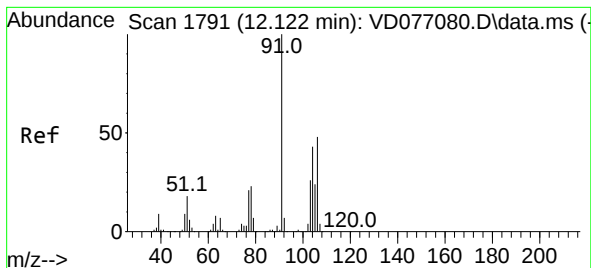
Tgt Ion: 91 Resp: 476934
Ion Ratio Lower Upper
91 100
106 31.0 22.1 41.1



#53
m,p-Xylene
Concen: 23.666 ug/L
RT: 11.793 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD077083.D
Acq: 01 Sep 2023 15:07

Tgt Ion: 106 Resp: 188369
Ion Ratio Lower Upper
106 100
91 189.8 138.2 256.6





#54

o-Xylene

Concen: 23.264 ug/L

RT: 12.122 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VD077083.D

Acq: 01 Sep 2023 15:07

Instrument :

MSVOA_D

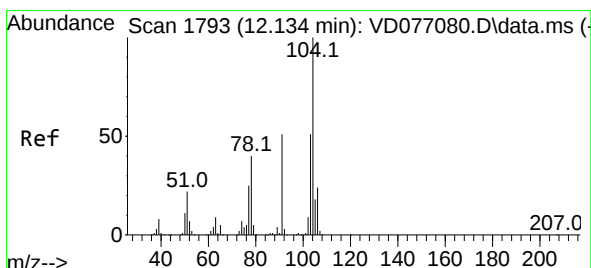
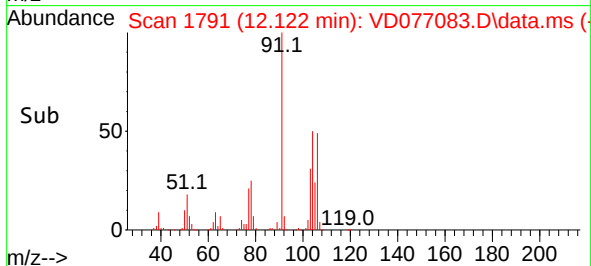
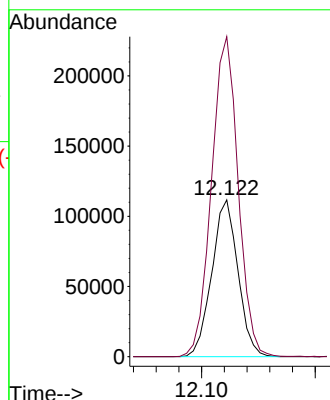
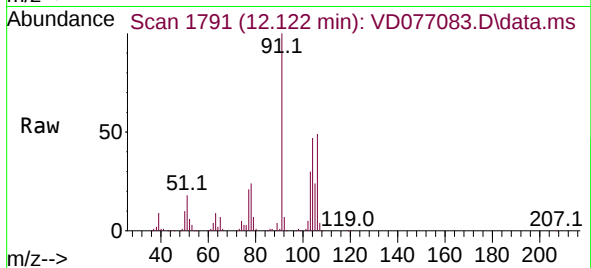
ClientSampleId :

Tgt Ion:106 Resp: 178741

Ion Ratio Lower Upper

106 100

91 204.2 146.9 272.7



#55

Styrene

Concen: 24.347 ug/L

RT: 12.134 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VD077083.D

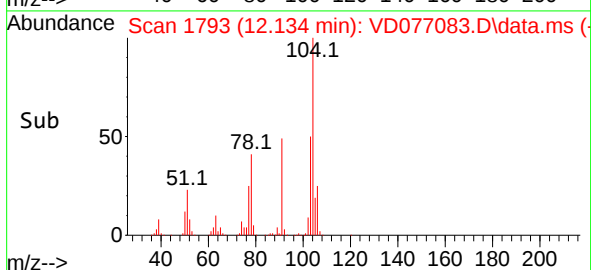
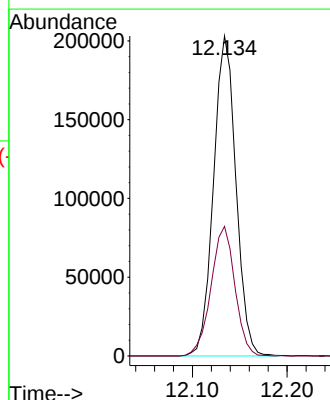
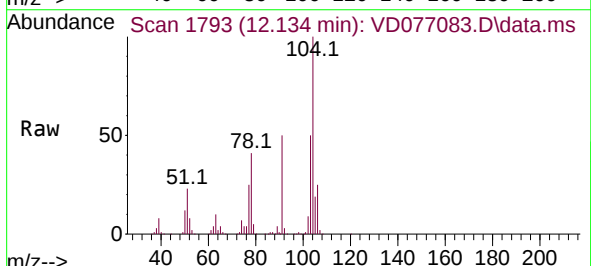
Acq: 01 Sep 2023 15:07

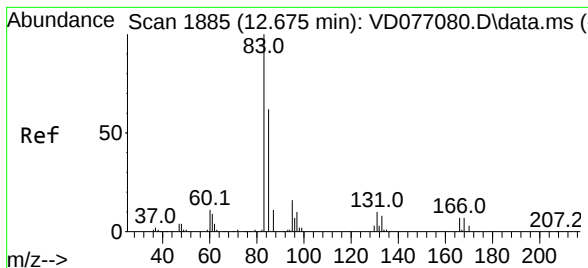
Tgt Ion:104 Resp: 334291

Ion Ratio Lower Upper

104 100

78 40.5 27.8 51.6





#57

1,1,2,2-Tetrachloroethane

Concen: 24.314 ug/L

RT: 12.669 min Scan# 1884

Delta R.T. -0.006 min

Lab File: VD077083.D

Acq: 01 Sep 2023 15:07

Instrument :

MSVOA_D

ClientSampleId :

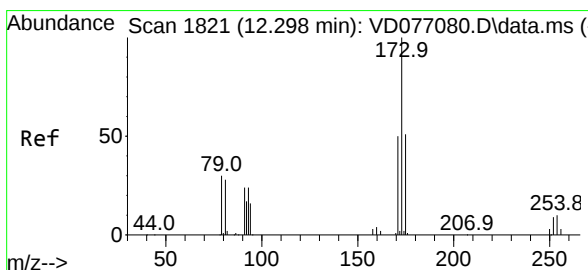
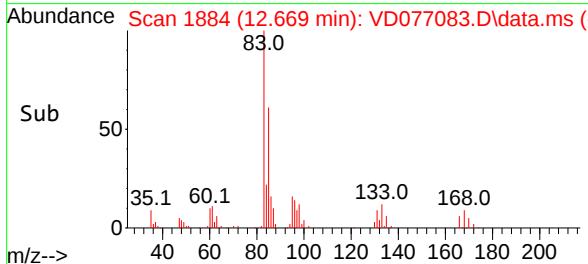
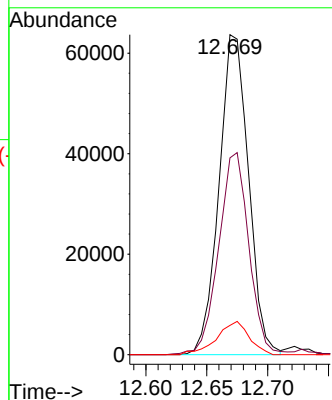
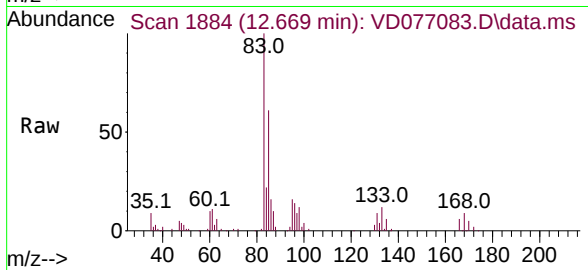
Tgt Ion: 83 Resp: 107337

Ion Ratio Lower Upper

83 100

85 61.5 43.6 81.0

131 9.1 7.8 11.8



#59

Bromoform

Concen: 22.415 ug/L

RT: 12.299 min Scan# 1821

Delta R.T. 0.000 min

Lab File: VD077083.D

Acq: 01 Sep 2023 15:07

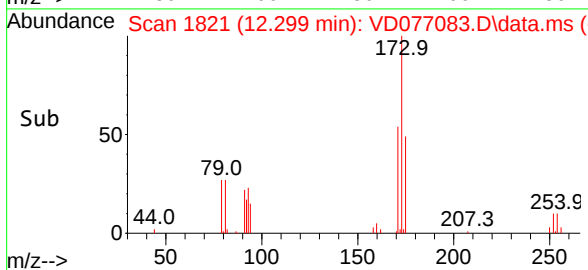
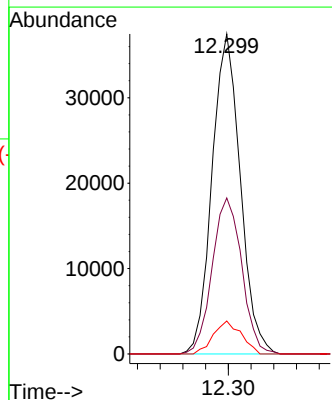
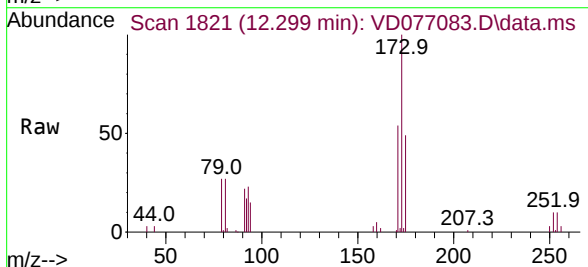
Tgt Ion:173 Resp: 64644

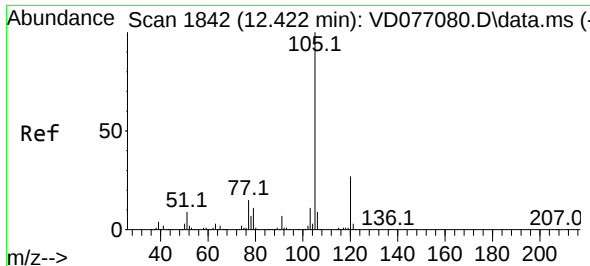
Ion Ratio Lower Upper

173 100

175 51.0 38.7 58.1

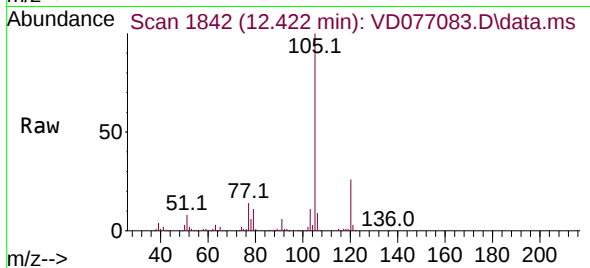
254 10.2 7.0 10.6



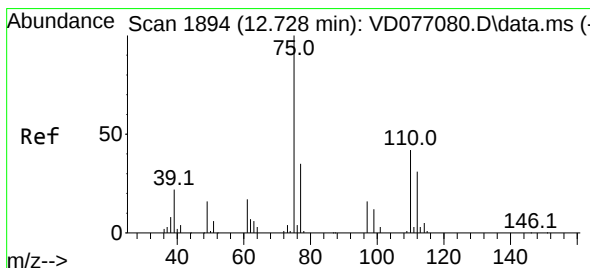
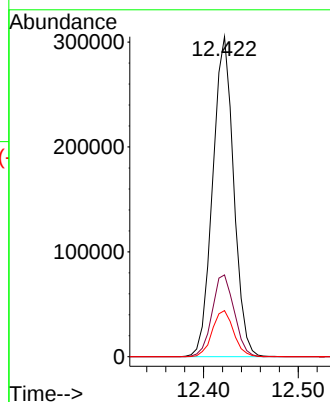
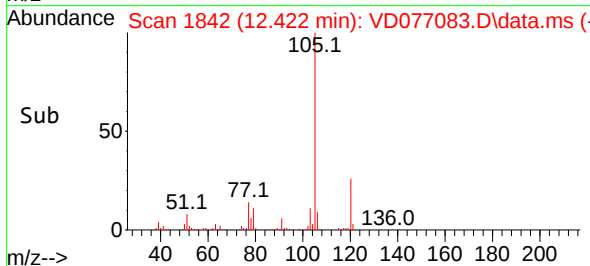


#60
Isopropylbenzene
Concen: 22.788 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD077083.D
Acq: 01 Sep 2023 15:07

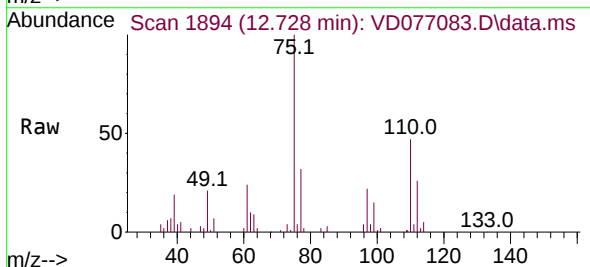
Instrument :
MSVOA_D
ClientSampleId :



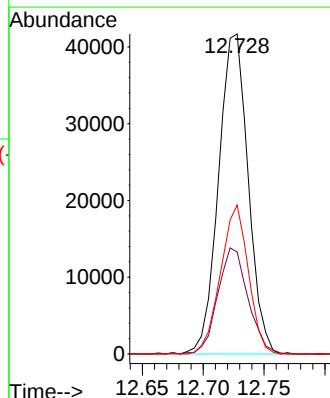
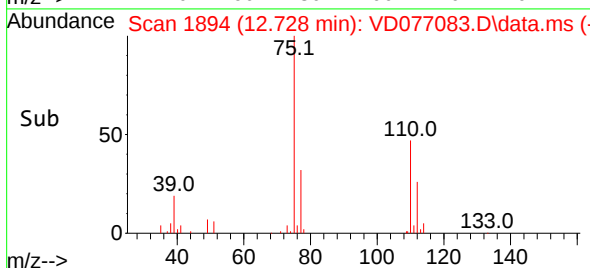
Tgt Ion:105 Resp: 469641
Ion Ratio Lower Upper
105 100
120 26.9 21.8 32.6
77 14.7 11.9 17.9

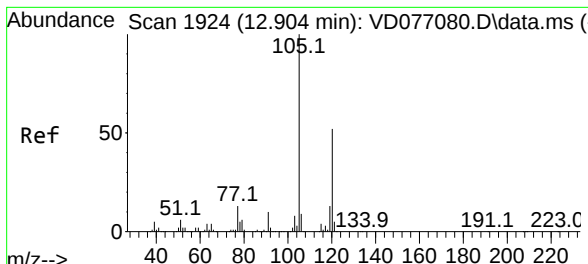


#61
1,2,3-Trichloropropane
Concen: 23.116 ug/L
RT: 12.728 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VD077083.D
Acq: 01 Sep 2023 15:07



Tgt Ion: 75 Resp: 70552
Ion Ratio Lower Upper
75 100
77 33.8 26.6 40.0
110 43.7 33.6 50.4

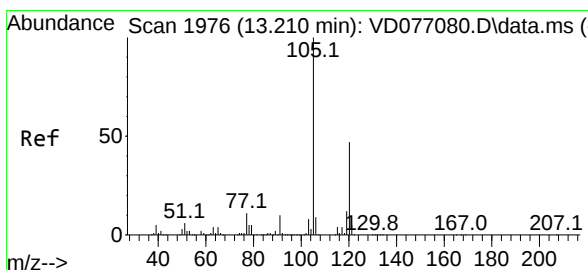
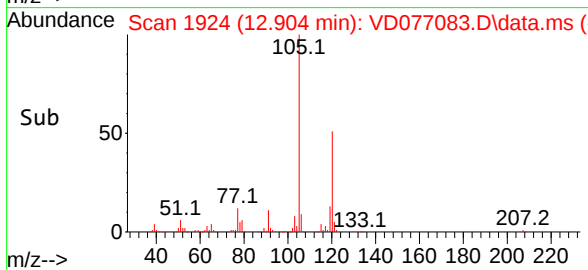
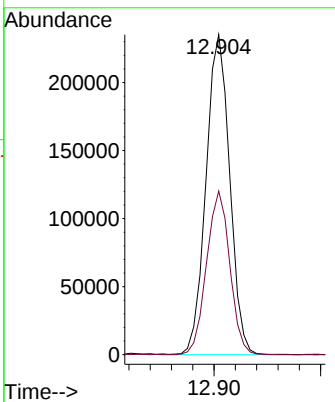
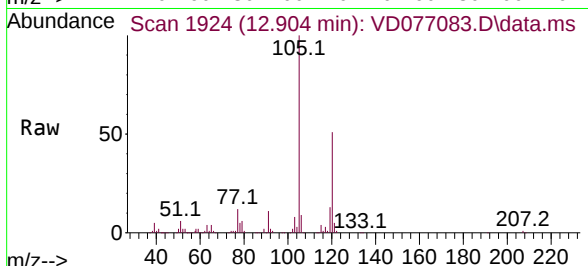




#62
 1,3,5-Trimethylbenzene
 Concen: 22.783 ug/L
 RT: 12.904 min Scan# 1924
 Delta R.T. 0.000 min
 Lab File: VD077083.D
 Acq: 01 Sep 2023 15:07

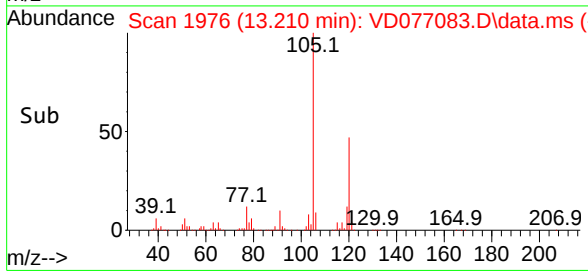
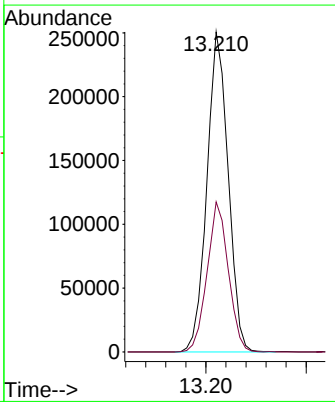
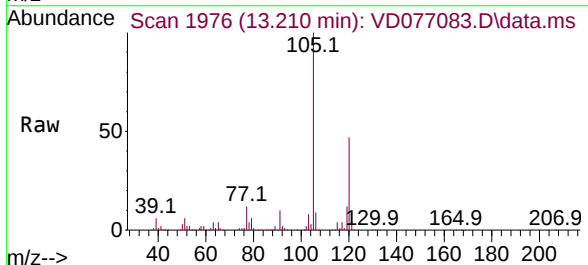
Instrument :
 MSVOA_D
 ClientSampleId :

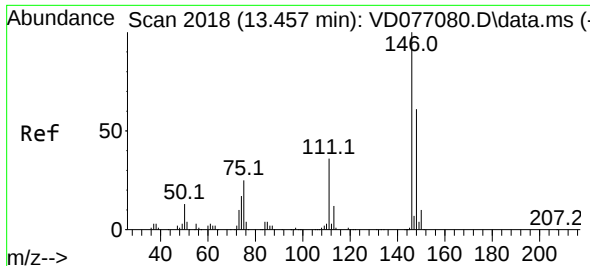
Tgt Ion:105 Resp: 363150
 Ion Ratio Lower Upper
 105 100
 120 50.2 40.2 60.2



#63
 1,2,4-Trimethylbenzene
 Concen: 23.574 ug/L
 RT: 13.210 min Scan# 1976
 Delta R.T. 0.000 min
 Lab File: VD077083.D
 Acq: 01 Sep 2023 15:07

Tgt Ion:105 Resp: 368137
 Ion Ratio Lower Upper
 105 100
 120 46.8 37.8 56.8

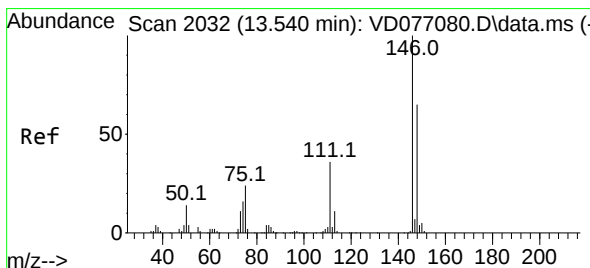
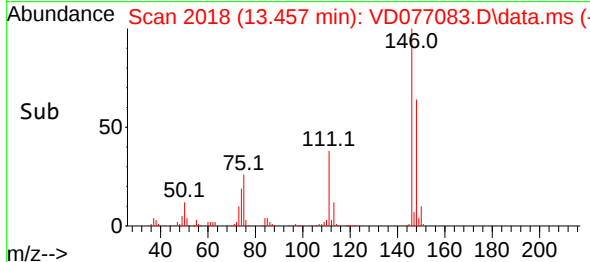
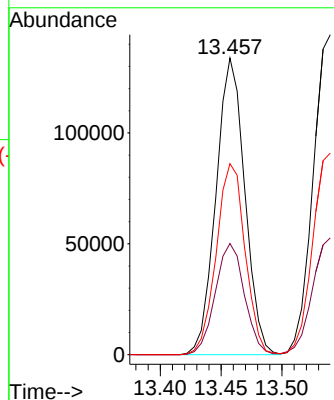
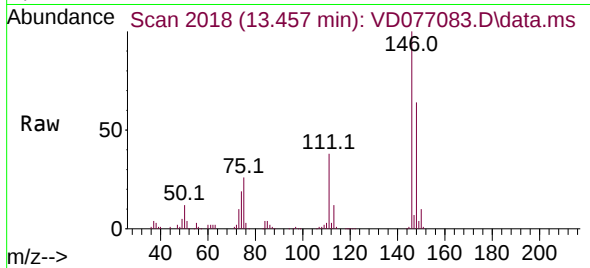




#64
1,3-Dichlorobenzene
Concen: 22.409 ug/L
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD077083.D
Acq: 01 Sep 2023 15:07

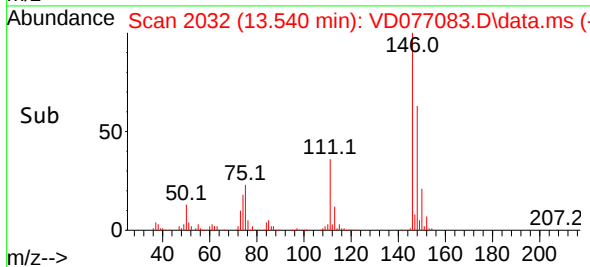
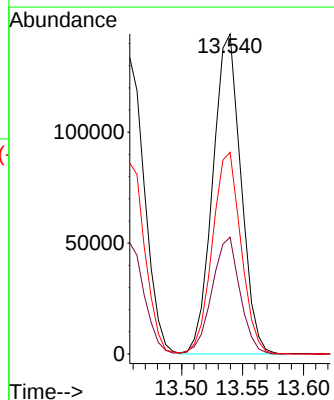
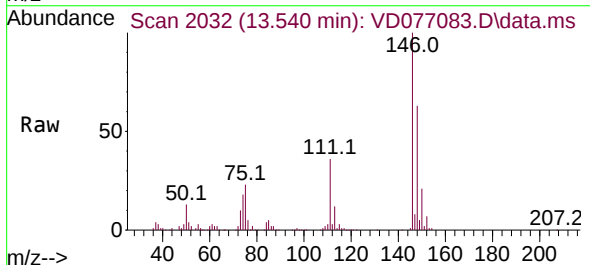
Instrument :
MSVOA_D
ClientSampleId :

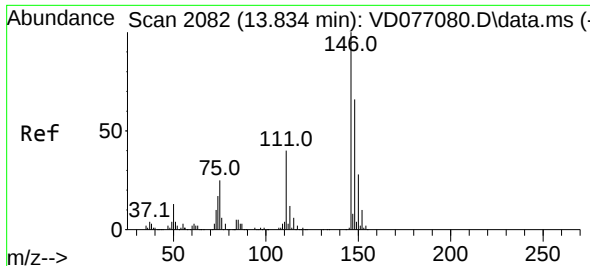
Tgt Ion:146 Resp: 220022
Ion Ratio Lower Upper
146 100
111 37.5 25.2 46.8
148 64.4 42.7 79.3



#65
1,4-Dichlorobenzene
Concen: 22.635 ug/L
RT: 13.540 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD077083.D
Acq: 01 Sep 2023 15:07

Tgt Ion:146 Resp: 232175
Ion Ratio Lower Upper
146 100
111 36.5 25.5 47.3
148 63.0 45.5 84.5

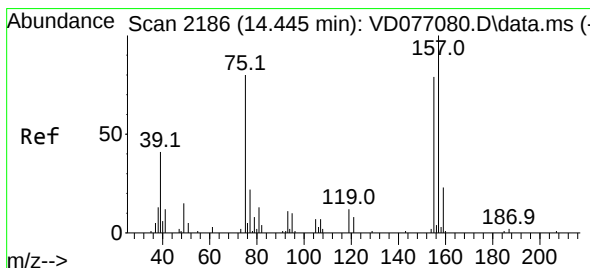
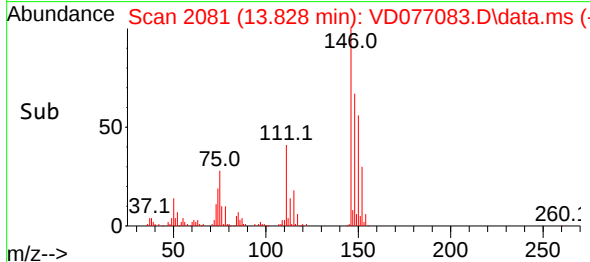
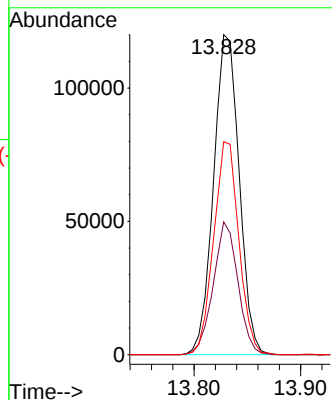
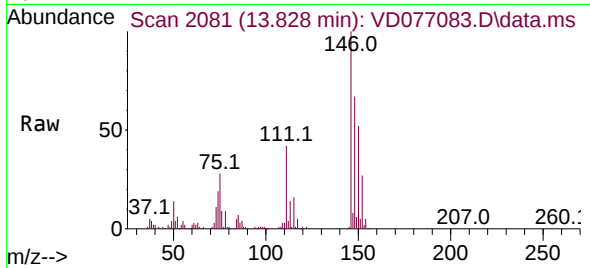




#67
1,2-Dichlorobenzene
Concen: 22.213 ug/L
RT: 13.828 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VD077083.D
Acq: 01 Sep 2023 15:07

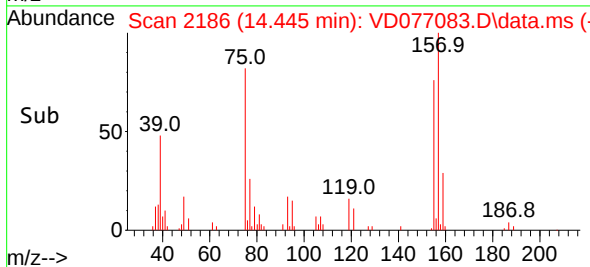
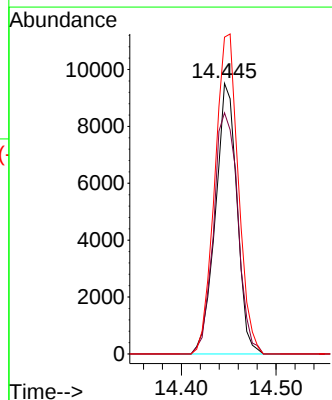
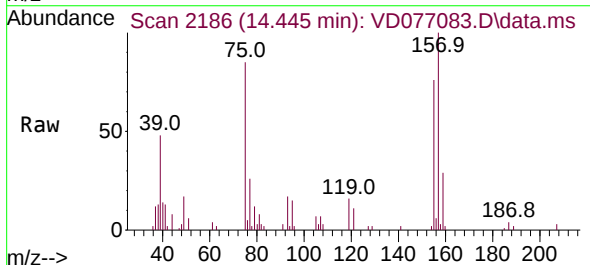
Instrument :
MSVOA_D
ClientSampleId :

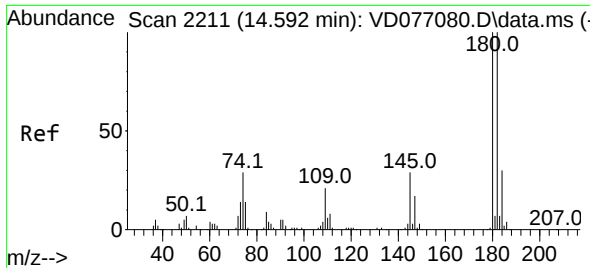
Tgt Ion:146 Resp: 200592
Ion Ratio Lower Upper
146 100
111 41.5 31.8 47.6
148 66.5 53.0 79.4



#68
1,2-Dibromo-3-chloropropane
Concen: 23.498 ug/L
RT: 14.445 min Scan# 2186
Delta R.T. 0.000 min
Lab File: VD077083.D
Acq: 01 Sep 2023 15:07

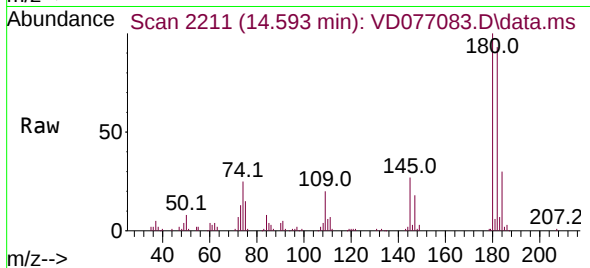
Tgt Ion: 75 Resp: 14999
Ion Ratio Lower Upper
75 100
155 89.1 79.0 118.6
157 117.1 100.2 150.4



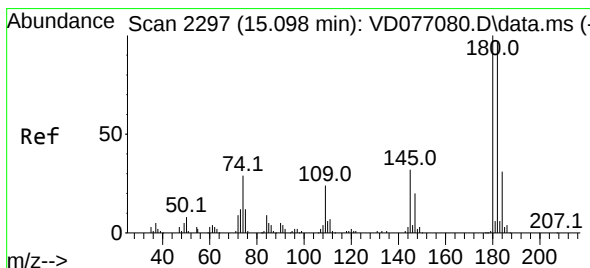
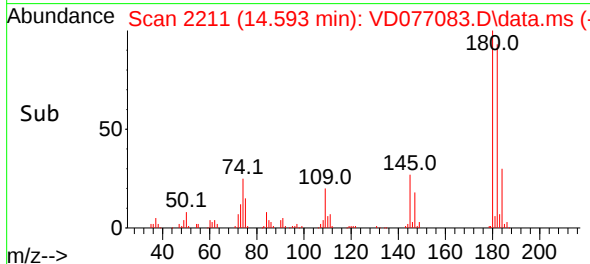
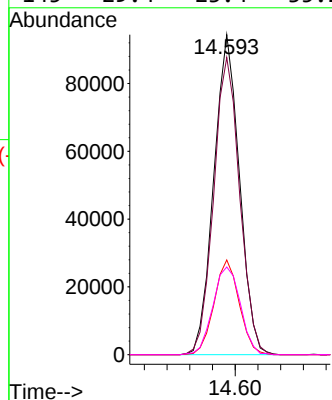


#69
 1,3,5-Trichlorobenzene
 Concen: 22.853 ug/L
 RT: 14.593 min Scan# 211
 Delta R.T. 0.000 min
 Lab File: VD077083.D
 Acq: 01 Sep 2023 15:07

Instrument :
 MSVOA_D
 ClientSampleId :

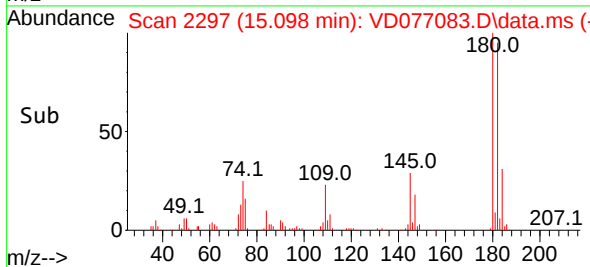
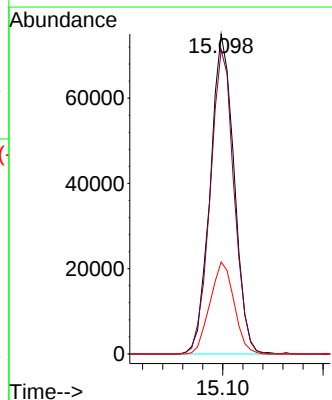
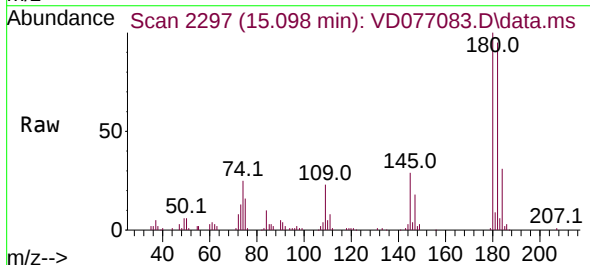


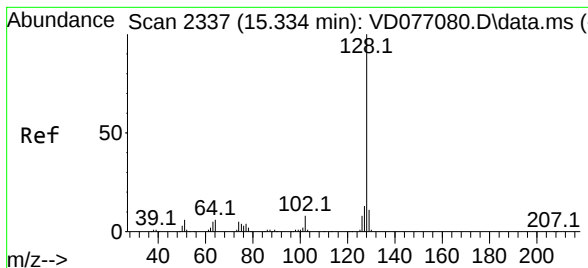
Tgt Ion:180 Resp: 147865
 Ion Ratio Lower Upper
 180 100
 182 94.3 77.0 115.4
 184 29.1 24.2 36.2
 145 29.4 23.4 35.2



#70
 1,2,4-trichlorobenzene
 Concen: 22.332 ug/L
 RT: 15.098 min Scan# 2297
 Delta R.T. 0.000 min
 Lab File: VD077083.D
 Acq: 01 Sep 2023 15:07

Tgt Ion:180 Resp: 123673
 Ion Ratio Lower Upper
 180 100
 182 94.9 76.3 114.5
 145 29.1 23.8 35.8





#71

Naphthalene

Concen: 23.655 ug/L

RT: 15.334 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD077083.D

Acq: 01 Sep 2023 15:07

Instrument :

MSVOA_D

ClientSampleId :

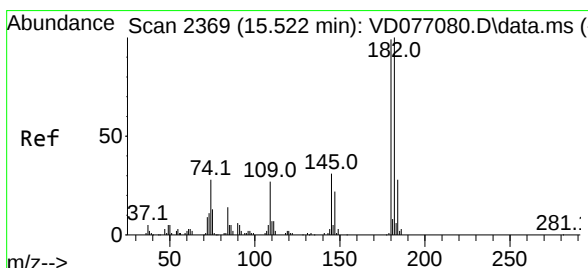
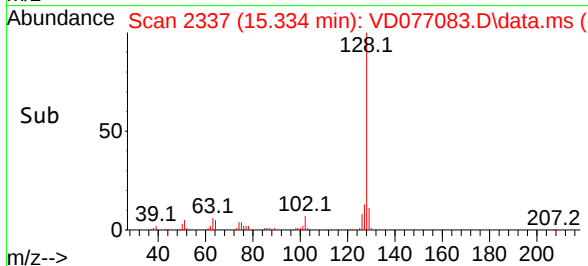
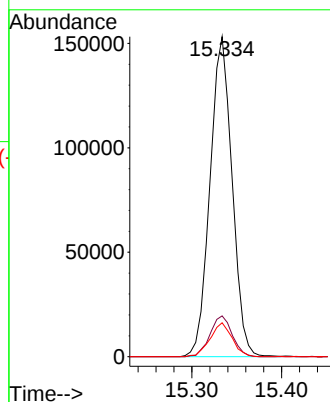
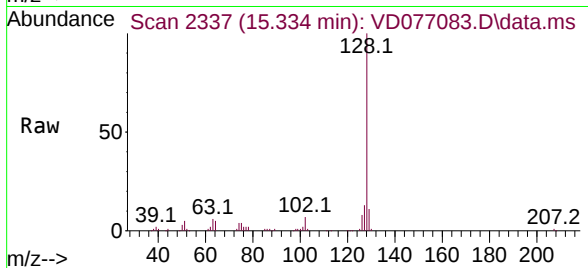
Tgt Ion:128 Resp: 261883

Ion Ratio Lower Upper

128 100

127 12.8 10.6 16.0

129 10.6 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 22.789 ug/L

RT: 15.522 min Scan# 2369

Delta R.T. 0.000 min

Lab File: VD077083.D

Acq: 01 Sep 2023 15:07

Tgt Ion:180 Resp: 115915

Ion Ratio Lower Upper

180 100

182 95.4 76.6 115.0

145 31.2 25.4 38.2

