

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102523\
 Data File : VD077413.D
 Acq On : 25 Oct 2023 14:46
 Operator : JC/SY
 Sample : 05011-05RE
 Misc : 5.04G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 26 06:59:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 18 03:02:43 2023
 Response via : Initial Calibration

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

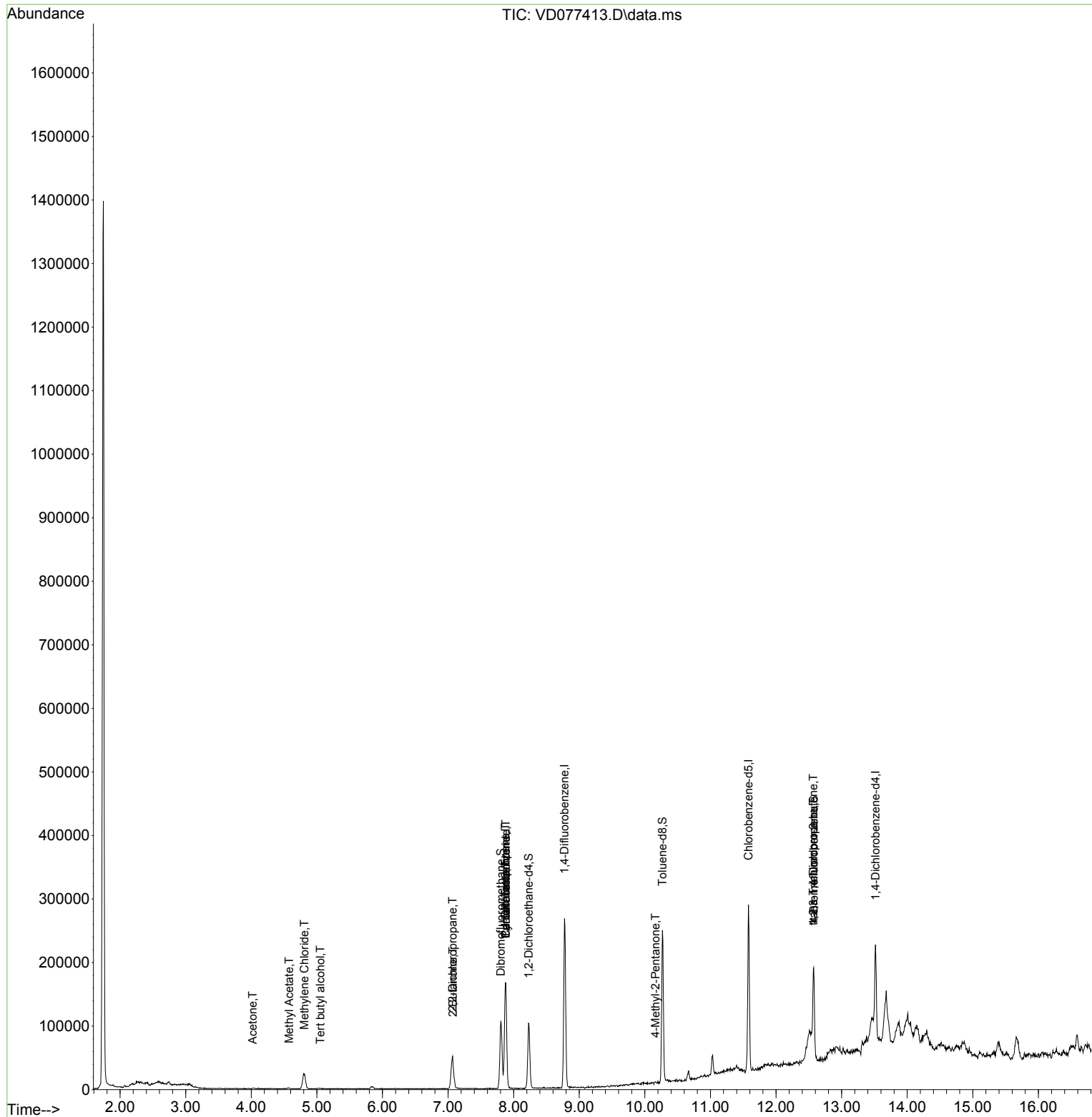
Internal Standards						
1) Pentafluorobenzene	7.881	168	145207	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	261796	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	162496	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	43838	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	76061	58.661	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.320%			
35) Dibromofluoromethane	7.804	113	77631	42.208	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 84.420%			
50) Toluene-d8	10.269	98	173812	26.388	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 52.780%#			
62) 4-Bromofluorobenzene	12.575	95	40618	21.422	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 42.840%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.052	59	1110	15.218	ug/l #	73
16) Acetone	4.022	43	1359	4.780	ug/l #	32
18) Methyl Acetate	4.575	43	2083	2.105	ug/l #	87
20) Methylene Chloride	4.810	84	21776	8.715	ug/l	96
25) 2-Butanone	7.075	43	1995	6.764	ug/l	91
26) 2,2-Dichloropropane	7.069	77	3863	1.636	ug/l #	49
31) Cyclohexane	7.881	56	2591	1.284	ug/l #	15
36) 1,1-Dichloropropene	7.875	75	9908	4.100	ug/l #	45
38) Carbon Tetrachloride	7.881	117	12947	4.816	ug/l #	15
51) 4-Methyl-2-Pentanone	10.163	43	1113	1.625	ug/l #	28
76) 1,2,3-Trichloropropane	12.569	75	18426	32.004	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	18426	112.626	ug/l #	19

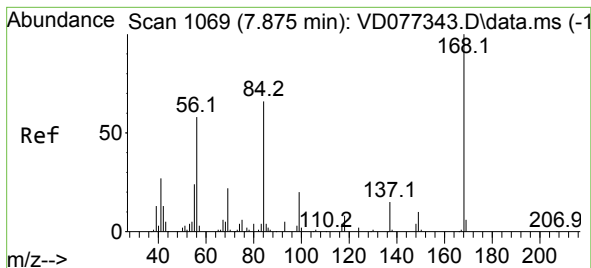
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102523\
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Quant Time: Oct 26 06:59:56 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 18 03:02:43 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 10

Delta R.T. 0.006 min

Lab File: VD077413.D

Acq: 25 Oct 2023 14:46

Instrument :

MSVOA_D

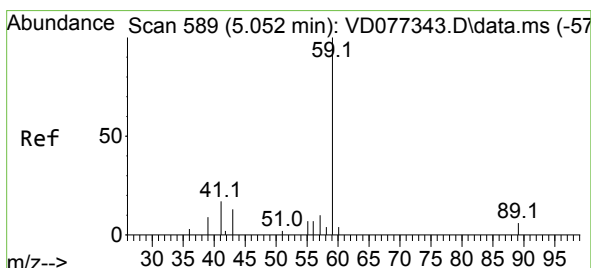
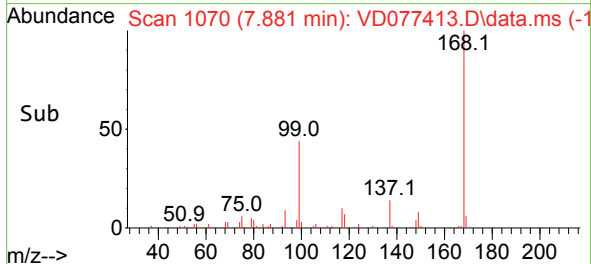
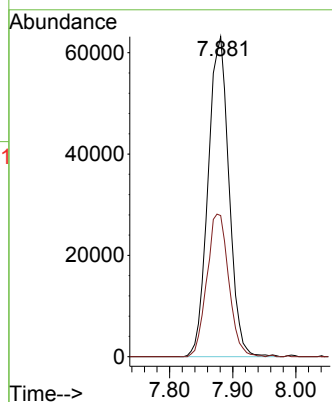
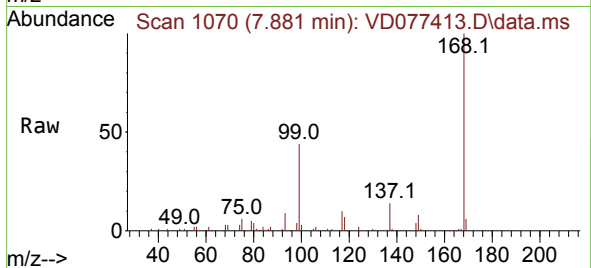
ClientSampleId :

Tgt Ion:168 Resp: 145207

Ion Ratio Lower Upper

168 100

99 44.1 36.7 55.1



#11

Tert butyl alcohol

Concen: 15.218 ug/l

RT: 5.052 min Scan# 589

Delta R.T. -0.000 min

Lab File: VD077413.D

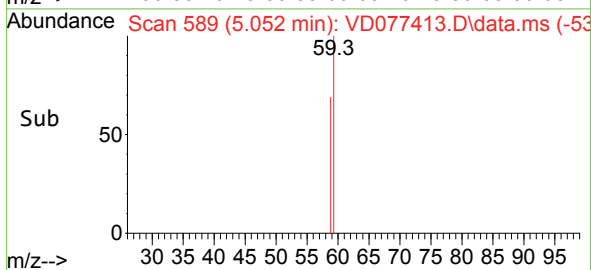
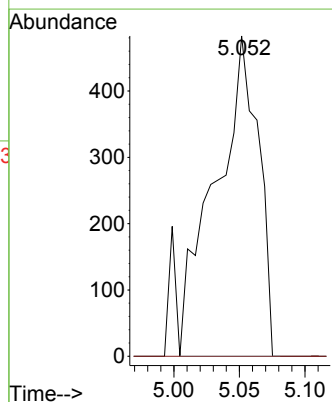
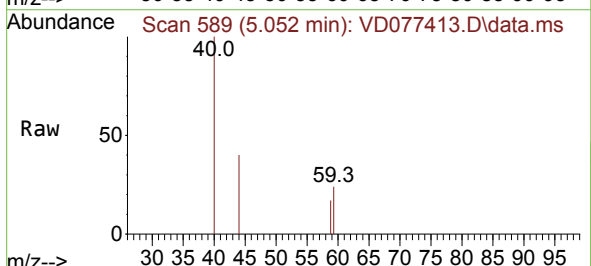
Acq: 25 Oct 2023 14:46

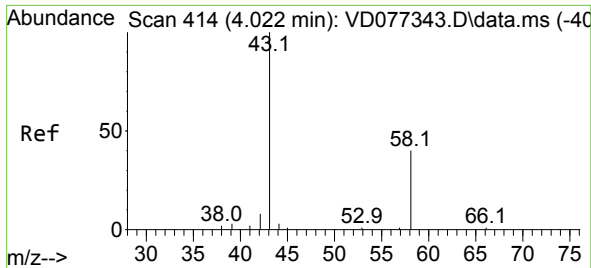
Tgt Ion: 59 Resp: 1110

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

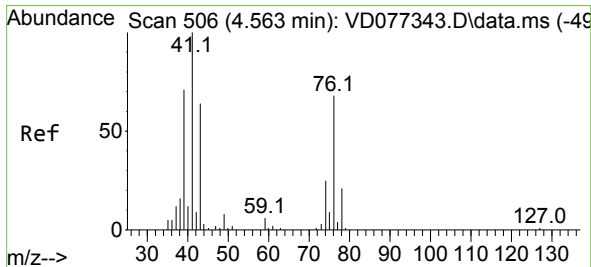
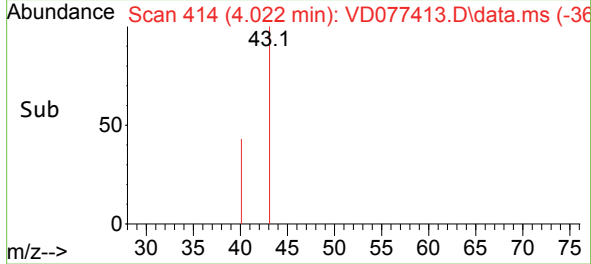
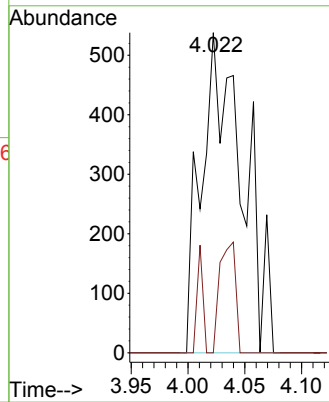
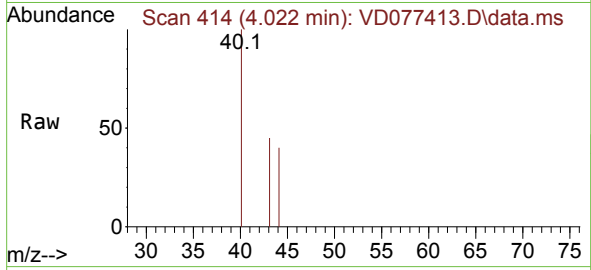




#16
Acetone
Concen: 4.780 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD077413.D
Acq: 25 Oct 2023 14:46

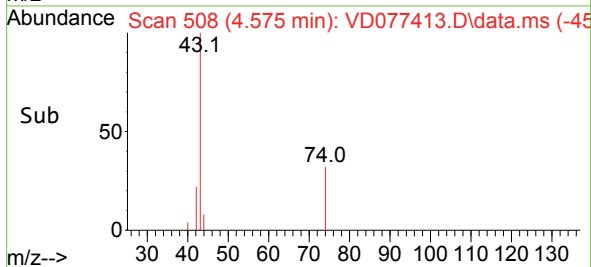
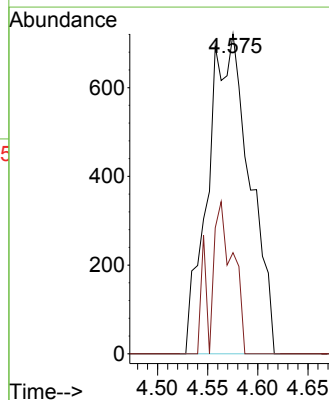
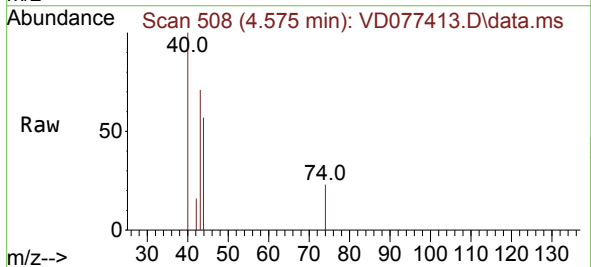
Instrument :
MSVOA_D
ClientSampleId :

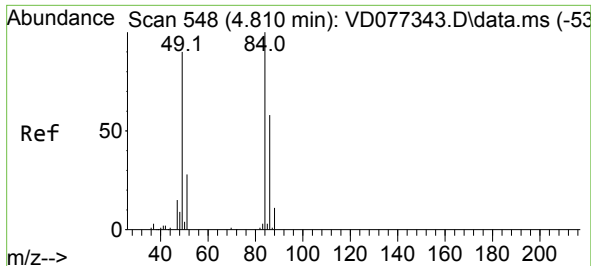
Tgt Ion: 43 Resp: 1359
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#18
Methyl Acetate
Concen: 2.105 ug/l
RT: 4.575 min Scan# 508
Delta R.T. 0.012 min
Lab File: VD077413.D
Acq: 25 Oct 2023 14:46

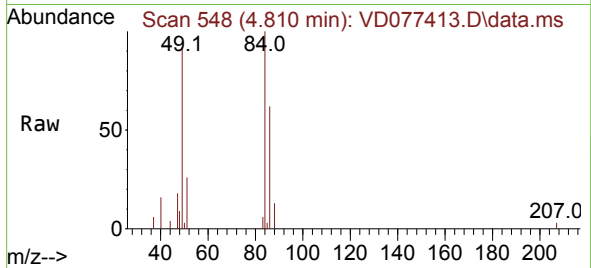
Tgt Ion: 43 Resp: 2083
Ion Ratio Lower Upper
43 100
74 25.7 26.4 39.6#



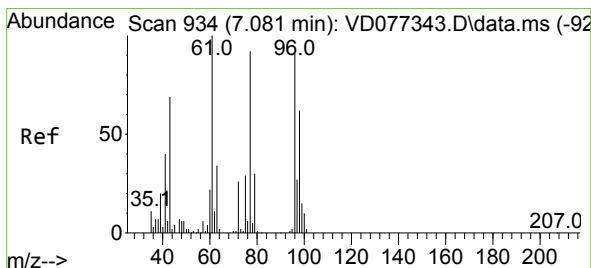
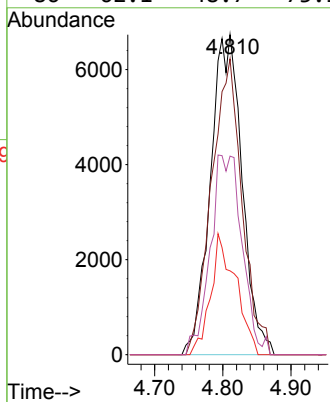
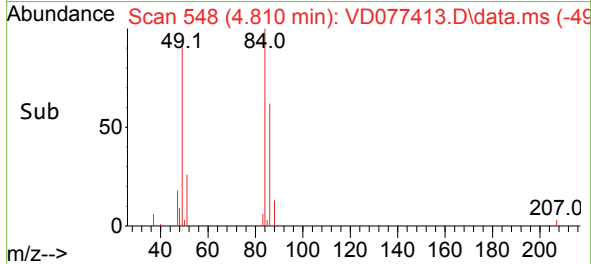


#20
Methylene Chloride
Concen: 8.715 ug/l
RT: 4.810 min Scan# 54
Delta R.T. 0.000 min
Lab File: VD077413.D
Acq: 25 Oct 2023 14:46

Instrument :
MSVOA_D
ClientSampleId :

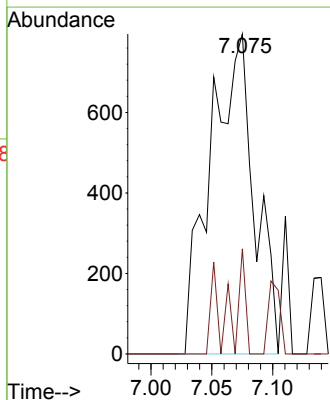
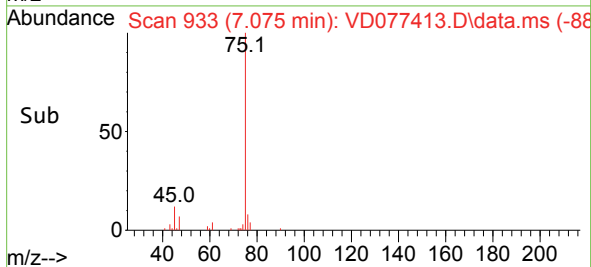
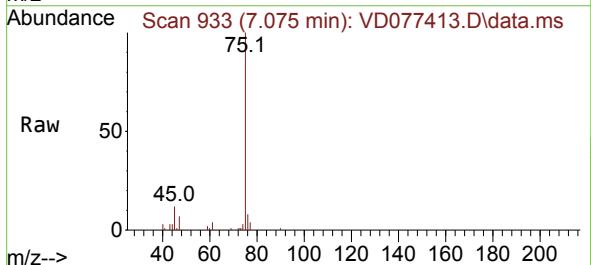


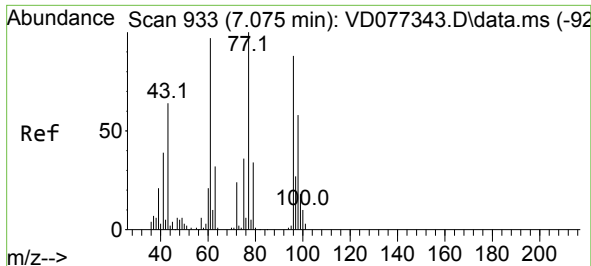
Tgt Ion: 84 Resp: 21776
Ion Ratio Lower Upper
84 100
49 92.5 71.4 107.2
51 26.2 24.5 36.7
86 62.1 48.7 73.1



#25
2-Butanone
Concen: 6.764 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD077413.D
Acq: 25 Oct 2023 14:46

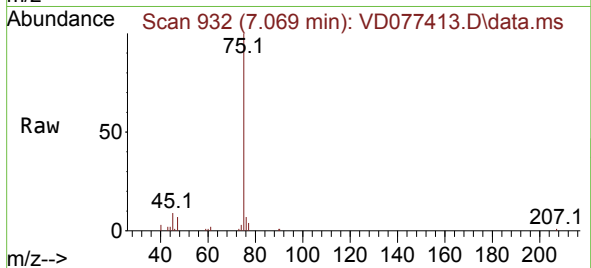
Tgt Ion: 43 Resp: 1995
Ion Ratio Lower Upper
43 100
72 32.8 30.7 46.1



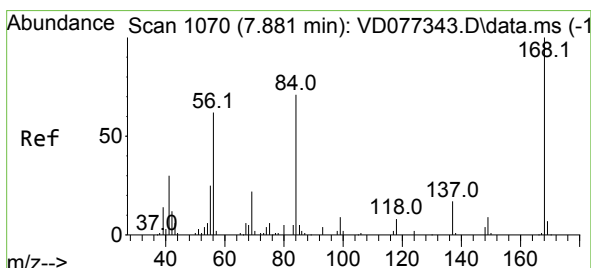
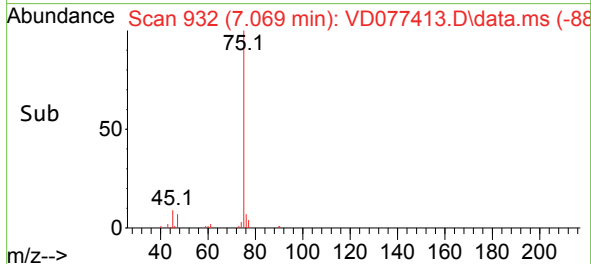
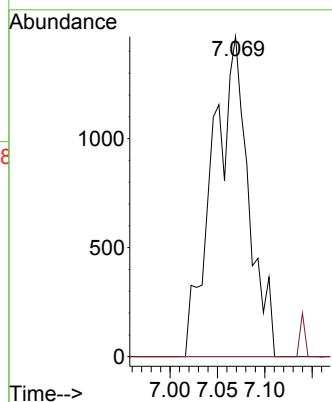


#26
2,2-Dichloropropane
Concen: 1.636 ug/l
RT: 7.069 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD077413.D
Acq: 25 Oct 2023 14:46

Instrument :
MSVOA_D
ClientSampleId :

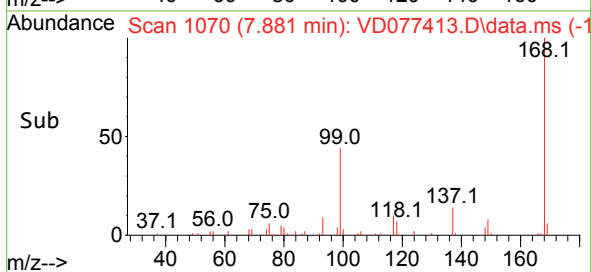
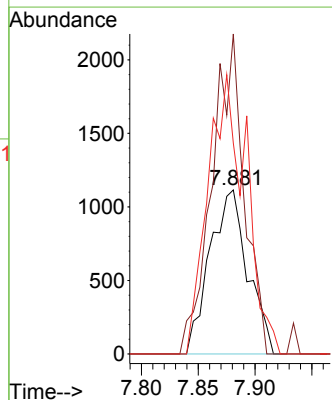
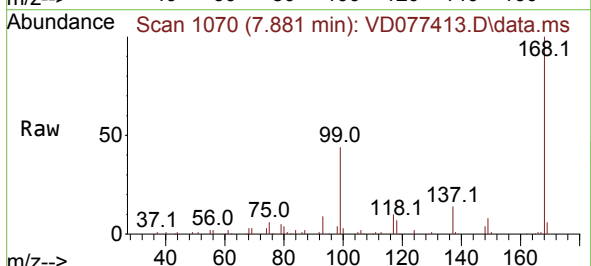


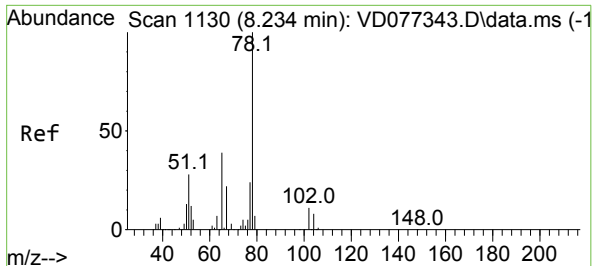
Tgt Ion: 77 Resp: 3863
Ion Ratio Lower Upper
77 100
97 0.0 13.2 39.6#



#31
Cyclohexane
Concen: 1.284 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VD077413.D
Acq: 25 Oct 2023 14:46

Tgt Ion: 56 Resp: 2591
Ion Ratio Lower Upper
56 100
69 195.2 28.6 43.0#
84 128.6 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 58.661 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD077413.D

Acq: 25 Oct 2023 14:46

Instrument :

MSVOA_D

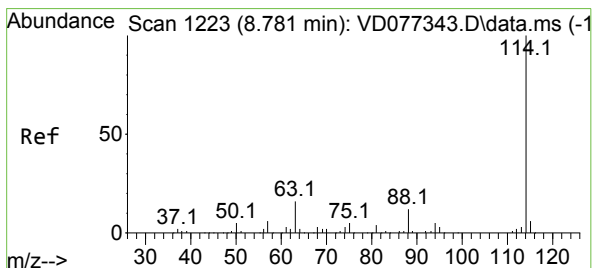
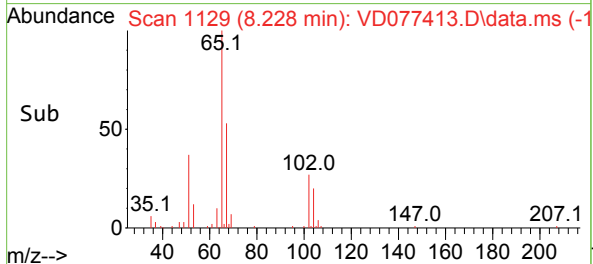
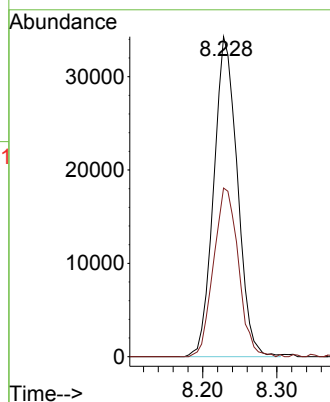
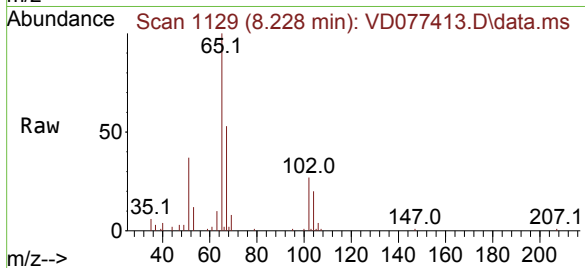
ClientSampleId :

Tgt Ion: 65 Resp: 76061

Ion Ratio Lower Upper

65 100

67 55.3 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.006 min

Lab File: VD077413.D

Acq: 25 Oct 2023 14:46

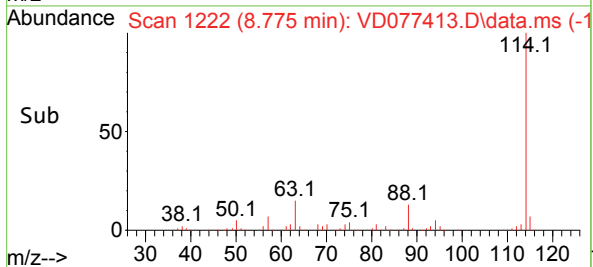
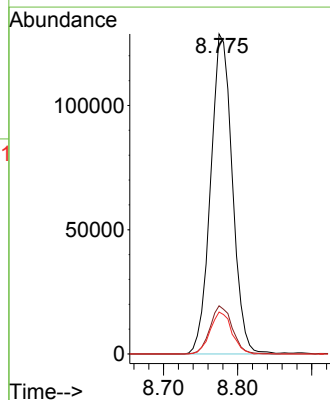
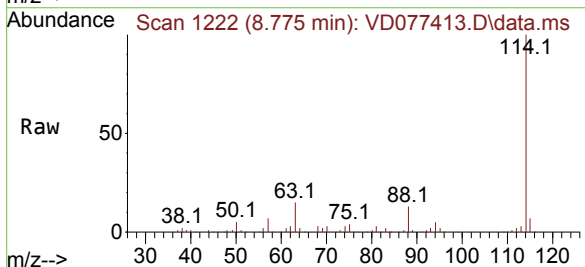
Tgt Ion: 114 Resp: 261796

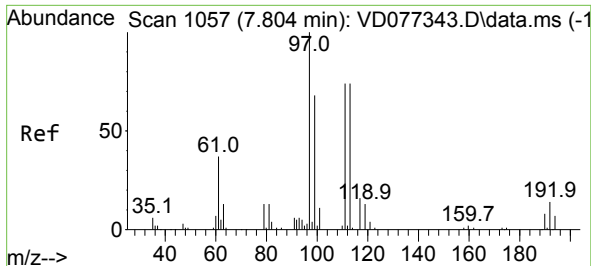
Ion Ratio Lower Upper

114 100

63 15.1 0.0 33.4

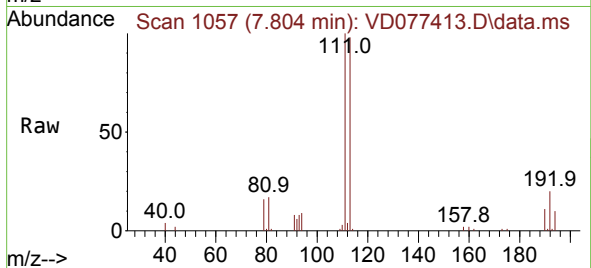
88 13.1 0.0 26.2



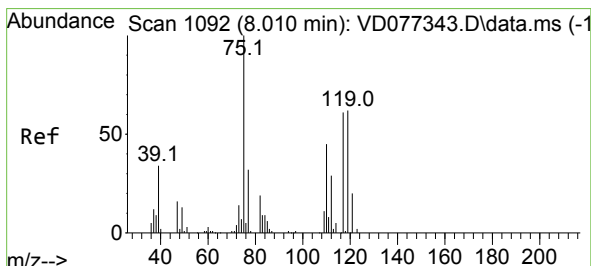
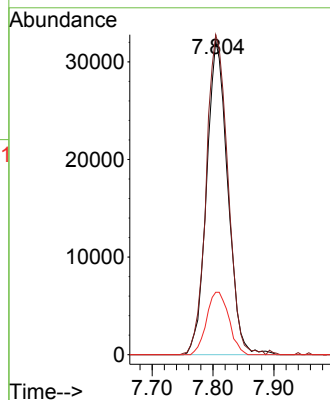
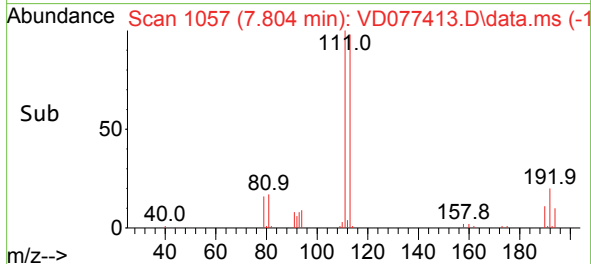


#35
Dibromofluoromethane
Concen: 42.208 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD077413.D
Acq: 25 Oct 2023 14:46

Instrument :
MSVOA_D
ClientSampleId :

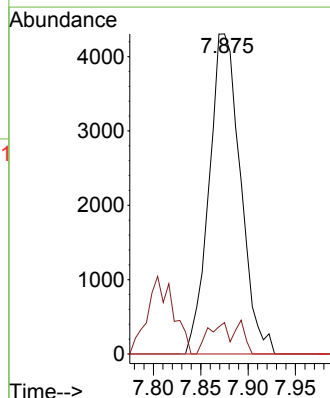
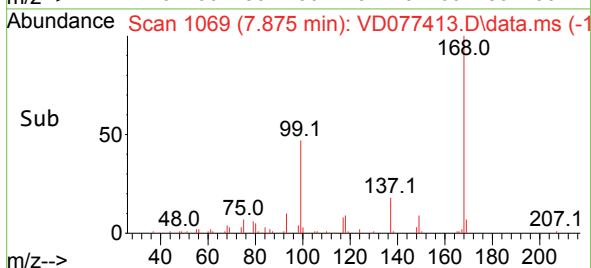
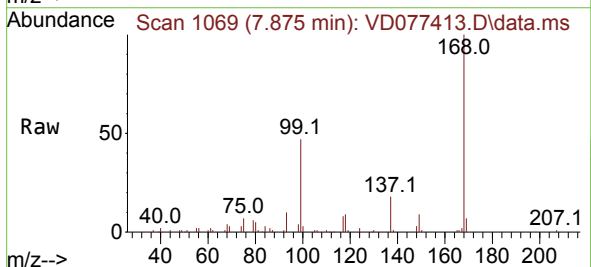


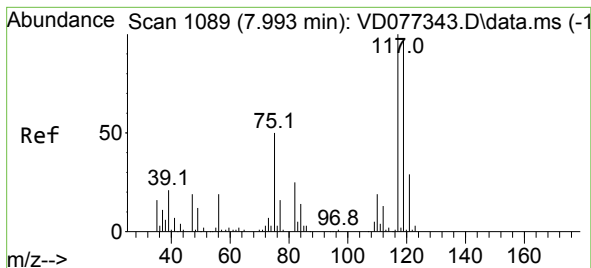
Tgt Ion:113 Resp: 77631
Ion Ratio Lower Upper
113 100
111 104.3 84.7 127.1
192 20.9 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.100 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD077413.D
Acq: 25 Oct 2023 14:46

Tgt Ion: 75 Resp: 9908
Ion Ratio Lower Upper
75 100
110 6.3 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 4.816 ug/l

RT: 7.881 min Scan# 1089

Delta R.T. -0.112 min

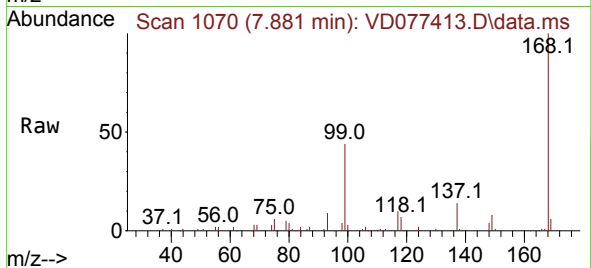
Lab File: VD077413.D

Acq: 25 Oct 2023 14:46

Instrument :

MSVOA_D

ClientSampleId :



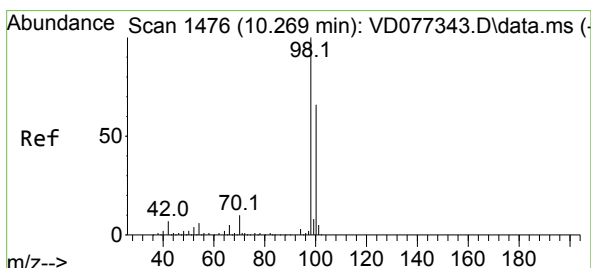
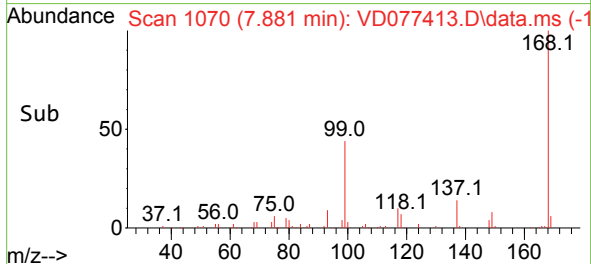
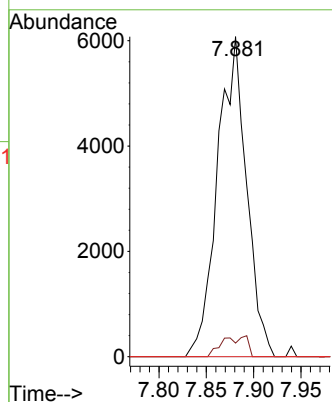
Tgt Ion:117 Resp: 12947

Ion Ratio Lower Upper

117 100

119 4.2 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 26.388 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077413.D

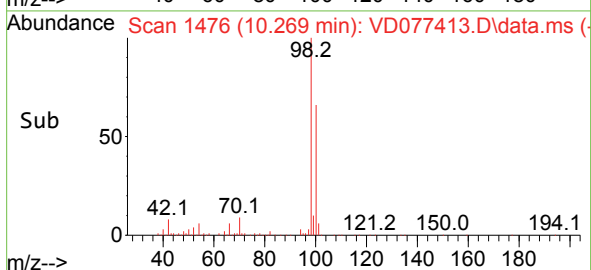
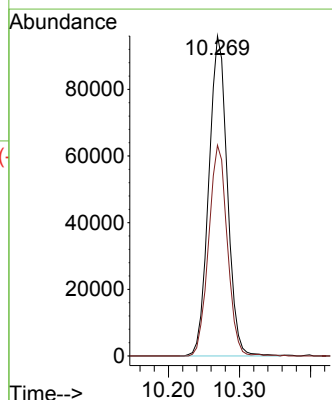
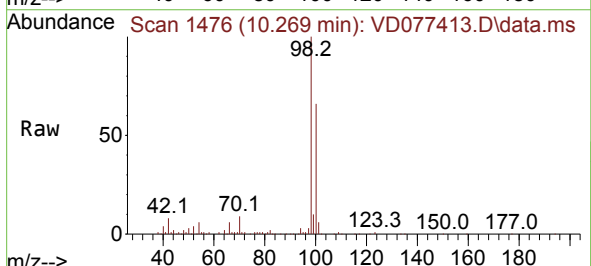
Acq: 25 Oct 2023 14:46

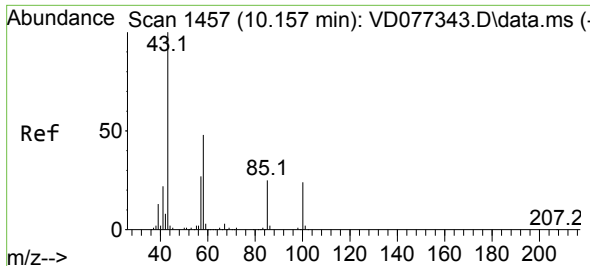
Tgt Ion: 98 Resp: 173812

Ion Ratio Lower Upper

98 100

100 66.4 50.3 75.5

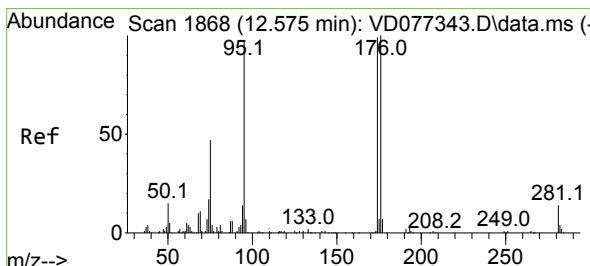
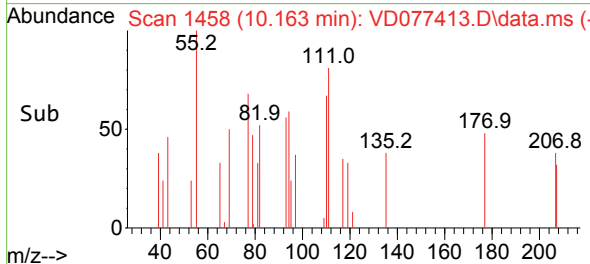
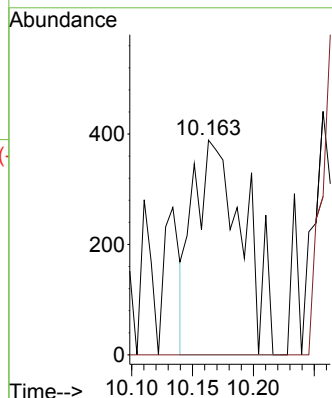
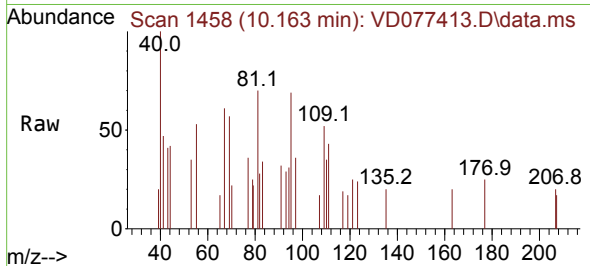




#51
4-Methyl-2-Pentanone
Concen: 1.625 ug/l
RT: 10.163 min Scan# 1458
Delta R.T. 0.006 min
Lab File: VD077413.D
Acq: 25 Oct 2023 14:46

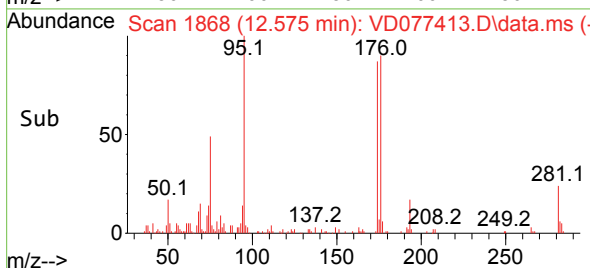
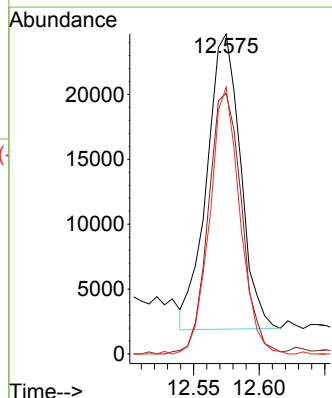
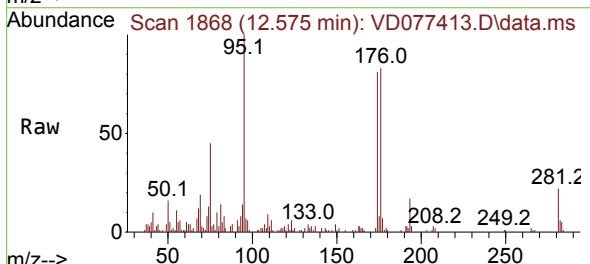
Instrument :
MSVOA_D
ClientSampleId :

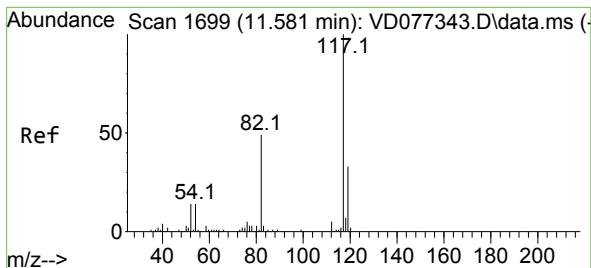
Tgt Ion: 43 Resp: 1113
Ion Ratio Lower Upper
43 100
58 0.0 38.9 58.3#



#62
4-Bromofluorobenzene
Concen: 21.422 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077413.D
Acq: 25 Oct 2023 14:46

Tgt Ion: 95 Resp: 40618
Ion Ratio Lower Upper
95 100
174 87.6 0.0 201.8
176 80.8 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD077413.D

Acq: 25 Oct 2023 14:46

Instrument :

MSVOA_D

ClientSampleId :

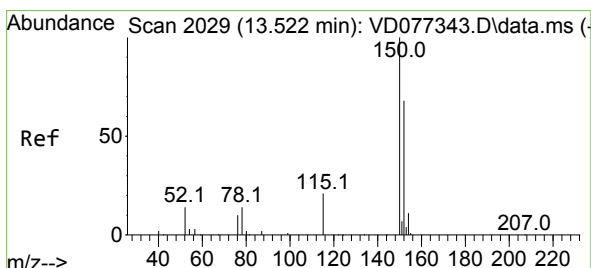
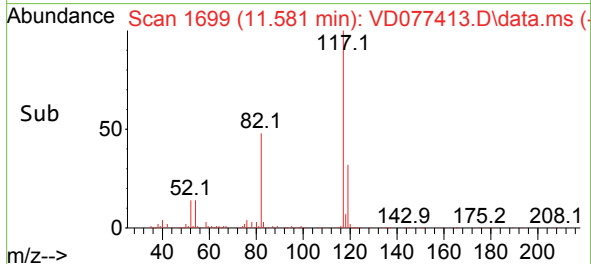
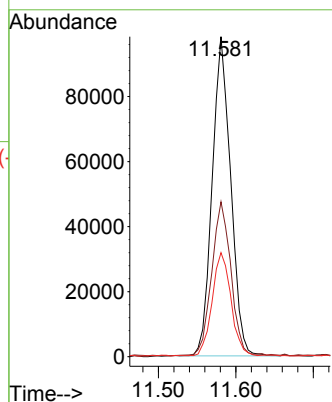
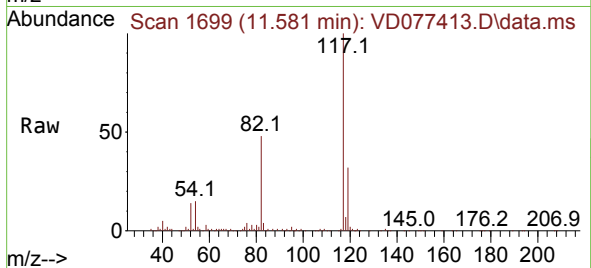
Tgt Ion:117 Resp: 162496

Ion Ratio Lower Upper

117 100

82 48.1 38.3 57.5

119 32.3 25.0 37.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.006 min

Lab File: VD077413.D

Acq: 25 Oct 2023 14:46

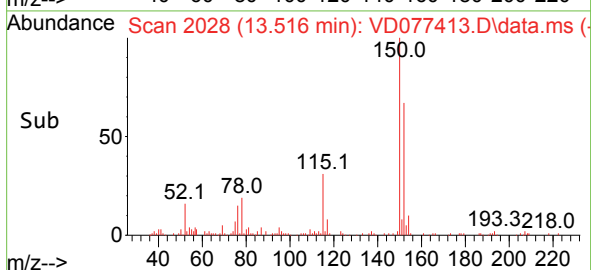
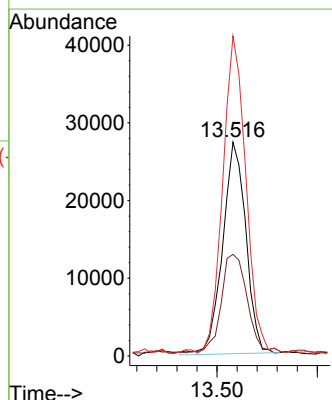
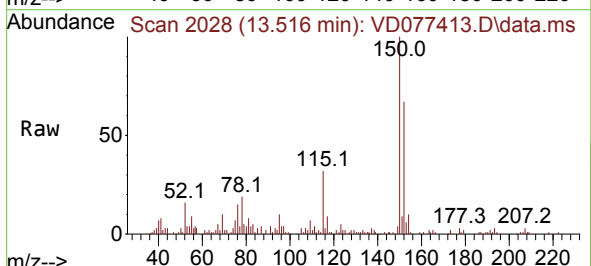
Tgt Ion:152 Resp: 43838

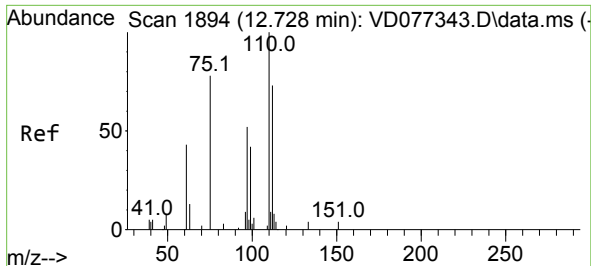
Ion Ratio Lower Upper

152 100

115 53.2 27.1 81.3

150 148.9 0.0 353.6

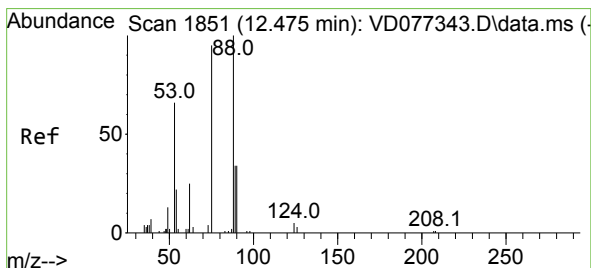
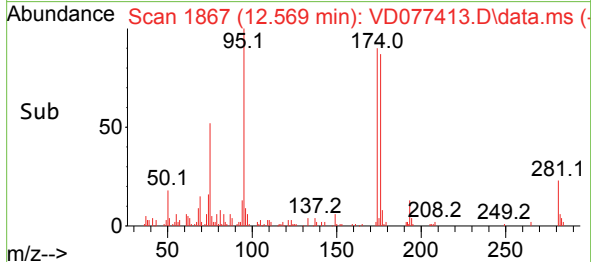
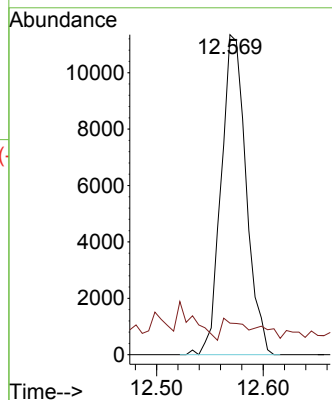
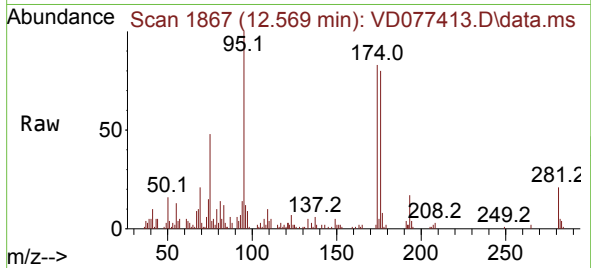




#76
1,2,3-Trichloropropane
Concen: 32.004 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.159 min
Lab File: VD077413.D
Acq: 25 Oct 2023 14:46

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 18426
Ion Ratio Lower Upper
75 100
77 6.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.626 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.094 min
Lab File: VD077413.D
Acq: 25 Oct 2023 14:46

Tgt Ion: 75 Resp: 18426
Ion Ratio Lower Upper
75 100
53 1.8 63.0 94.4#
89 0.0 37.9 56.9#

