

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121523\
 Data File : VD077925.D
 Acq On : 16 Dec 2023 03:11
 Operator : RP/MD
 Sample : 05765-01
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 16 05:13:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

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

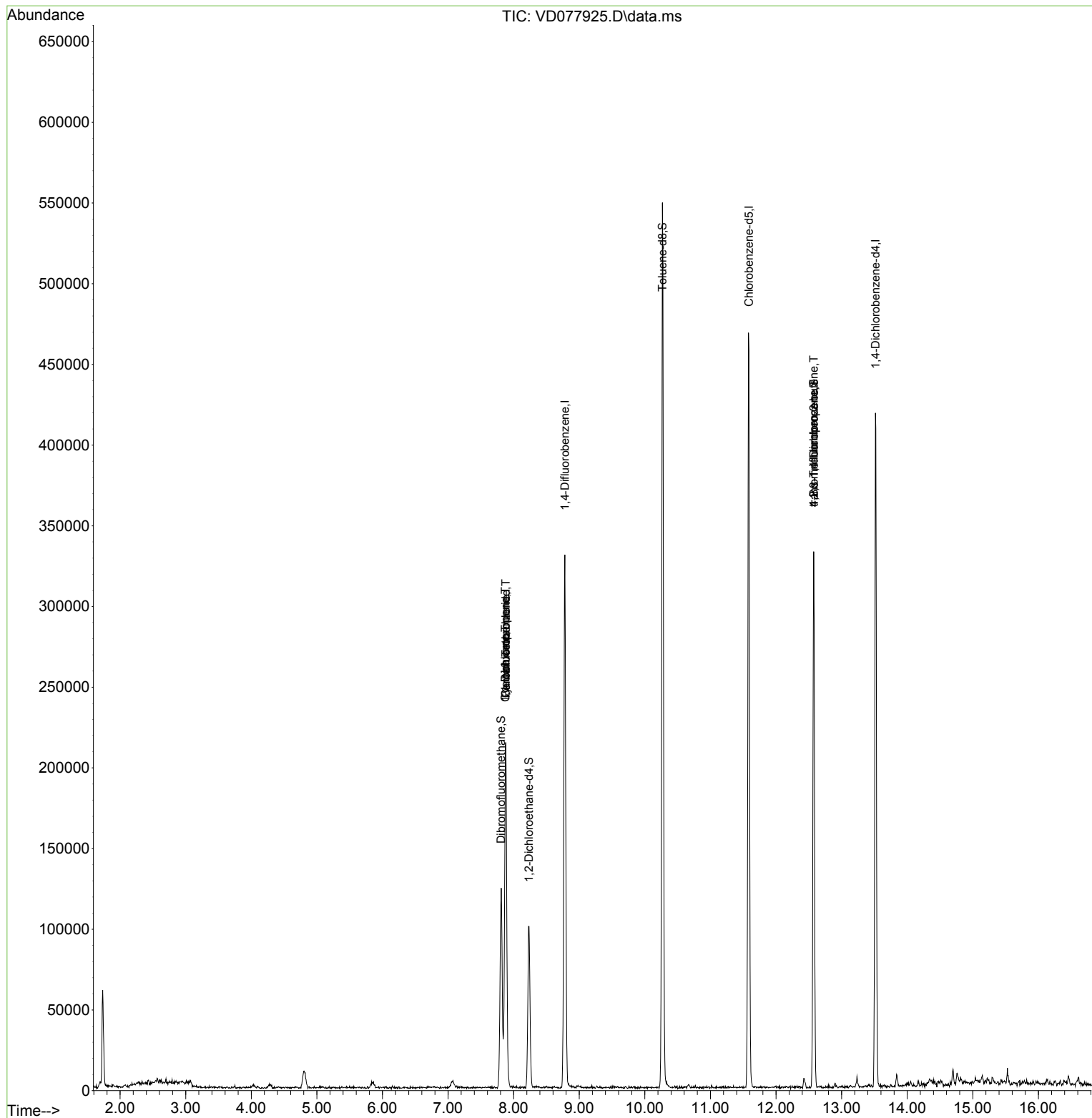
Internal Standards						
1) Pentafluorobenzene	7.881	168	161122	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	294678	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	272200	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	112898	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	79730	41.994	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	83.980%
35) Dibromofluoromethane	7.810	113	87735	42.505	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.000%
50) Toluene-d8	10.269	98	379127	45.860	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.720%
62) 4-Bromofluorobenzene	12.575	95	99428	40.227	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.460%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.028	59	130	Below Cal	#	73
16) Acetone	4.016	43	1125	Below Cal	#	69
20) Methylene Chloride	4.805	84	8573	Below Cal	#	88
25) 2-Butanone	7.099	43	347	Below Cal	#	37
31) Cyclohexane	7.875	56	4174	1.236	ug/l #	34
36) 1,1-Dichloropropene	7.875	75	13900	4.210	ug/l #	46
38) Carbon Tetrachloride	7.881	117	16598	5.043	ug/l #	16
76) 1,2,3-Trichloropropane	12.575	75	53255	54.313	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	53255	110.041	ug/l #	17
88) 1,4-Dichlorobenzene	13.551	146	264	Below Cal	#	26

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

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Quant Title : SW846 8260
QLast Update : Thu Dec 14 14:48:10 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1069

Delta R.T. 0.006 min

Lab File: VD077925.D

Acq: 16 Dec 2023 03:11

Instrument :

MSVOA_D

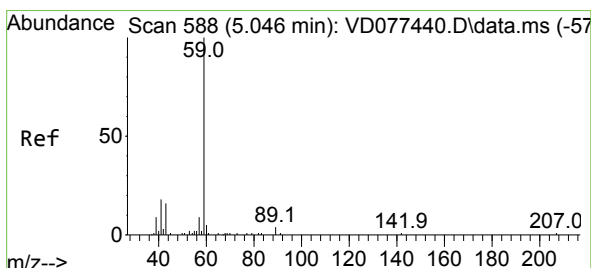
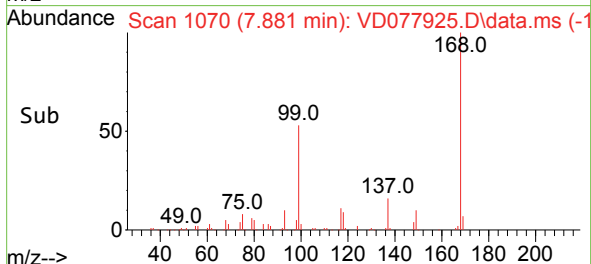
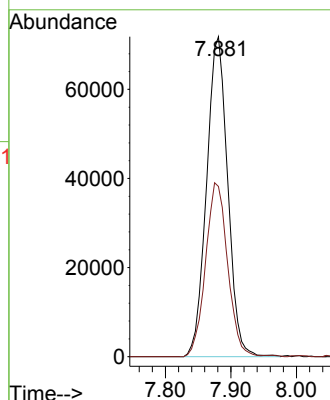
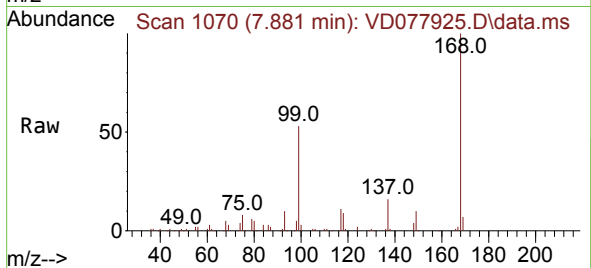
ClientSampleId :

Tgt Ion:168 Resp: 161122

Ion Ratio Lower Upper

168 100

99 53.2 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.028 min Scan# 585

Delta R.T. -0.018 min

Lab File: VD077925.D

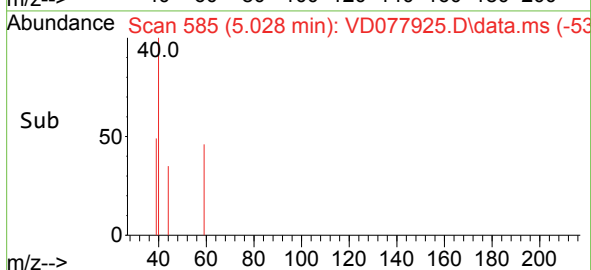
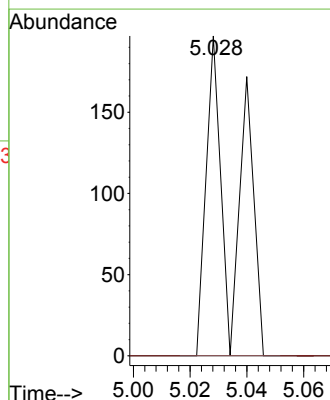
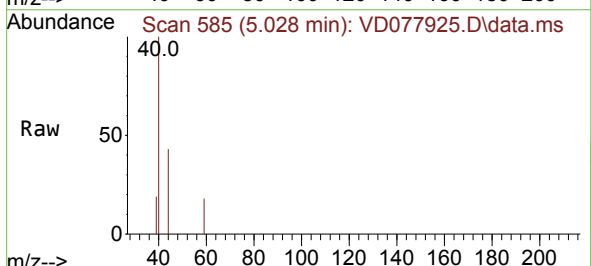
Acq: 16 Dec 2023 03:11

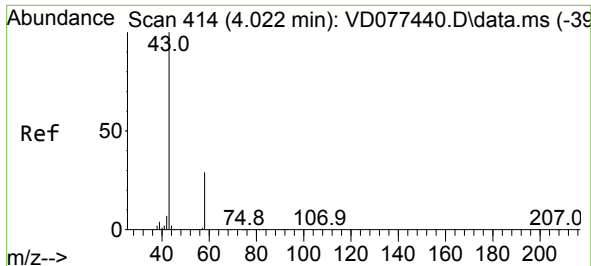
Tgt Ion: 59 Resp: 130

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

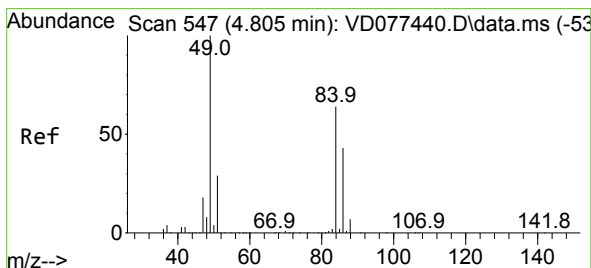
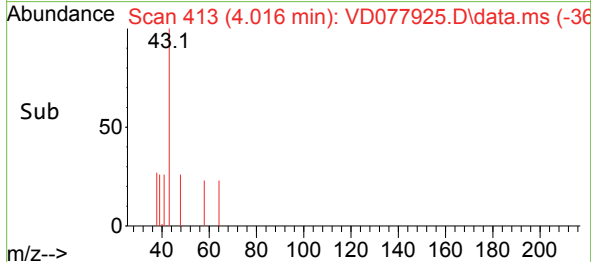
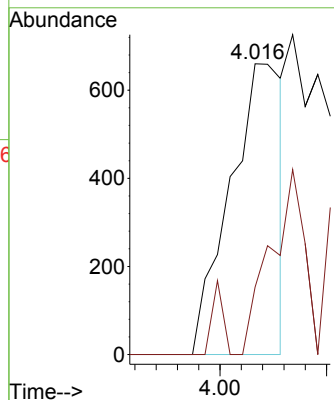
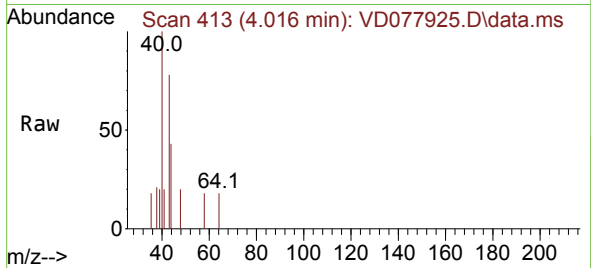




#16
Acetone
Concen: Below Cal
RT: 4.016 min Scan# 414
Delta R.T. -0.006 min
Lab File: VD077925.D
Acq: 16 Dec 2023 03:11

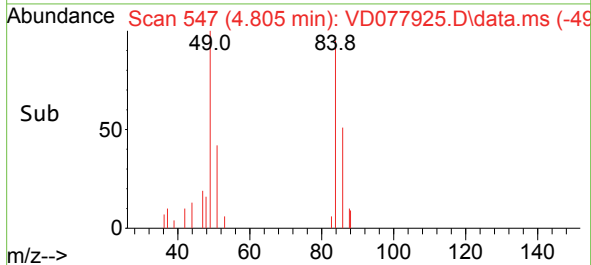
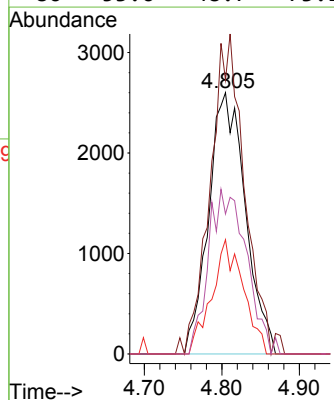
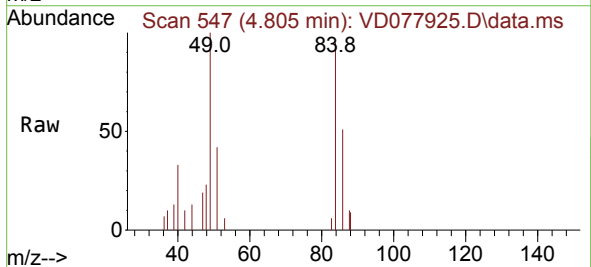
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 1125
Ion Ratio Lower Upper
43 100
58 23.2 34.7 52.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 547
Delta R.T. -0.000 min
Lab File: VD077925.D
Acq: 16 Dec 2023 03:11

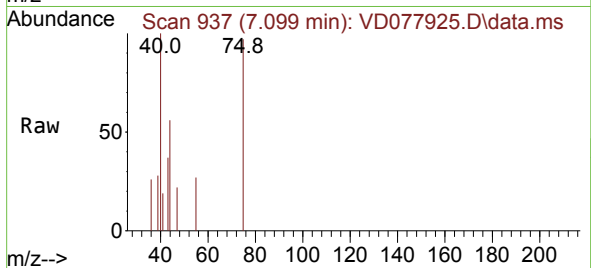
Tgt Ion: 84 Resp: 8573
Ion Ratio Lower Upper
84 100
49 98.7 71.4 107.2
51 43.7 24.5 36.7#
86 53.6 48.7 73.1



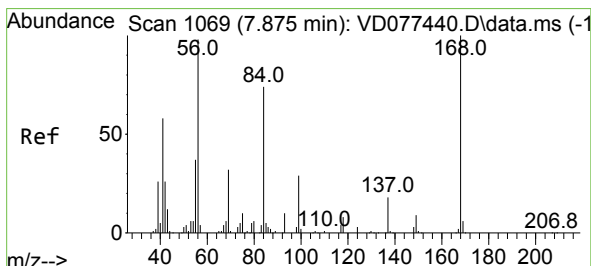
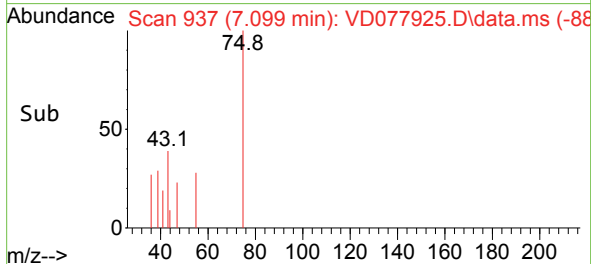
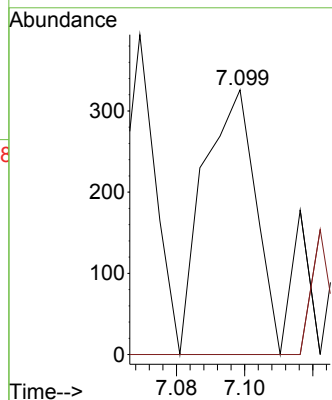


#25
2-Butanone
Concen: Below Cal
RT: 7.099 min Scan# 91
Delta R.T. 0.018 min
Lab File: VD077925.D
Acq: 16 Dec 2023 03:11

Instrument :
MSVOA_D
ClientSampleId :

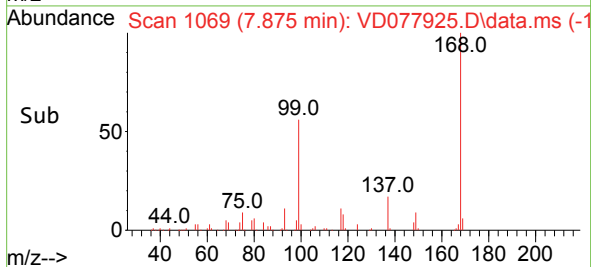
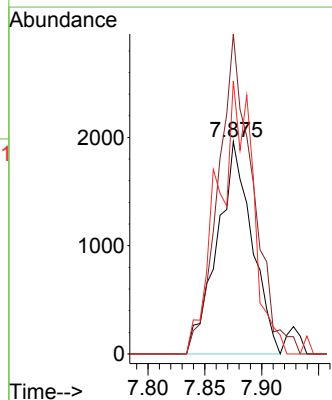
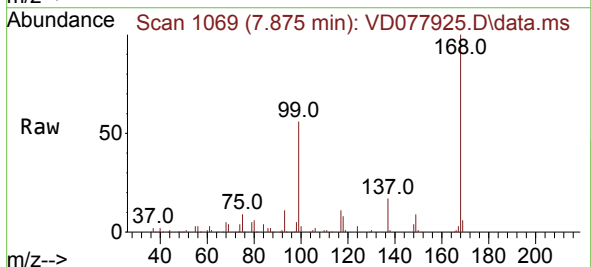


Tgt Ion: 43 Resp: 347
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.236 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077925.D
Acq: 16 Dec 2023 03:11

Tgt Ion: 56 Resp: 4174
Ion Ratio Lower Upper
56 100
69 150.7 28.6 43.0#
84 128.6 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 41.994 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD077925.D

Acq: 16 Dec 2023 03:11

Instrument :

MSVOA_D

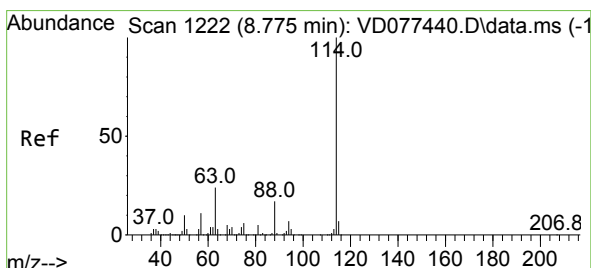
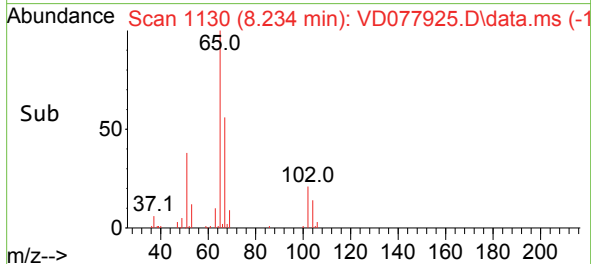
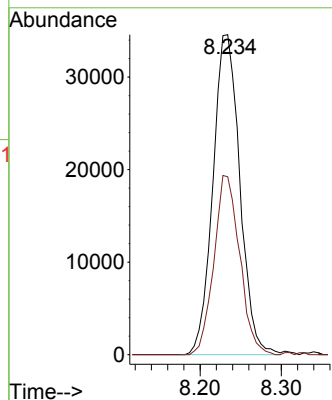
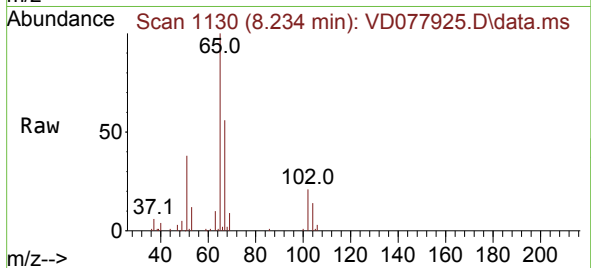
ClientSampleId :

Tgt Ion: 65 Resp: 79730

Ion Ratio Lower Upper

65 100

67 53.6 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD077925.D

Acq: 16 Dec 2023 03:11

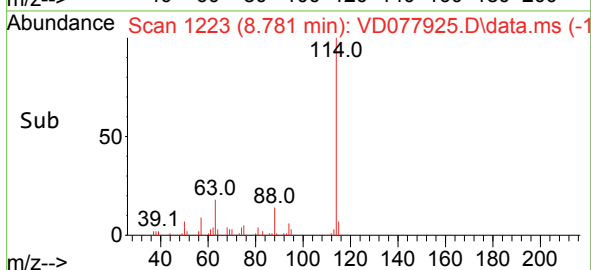
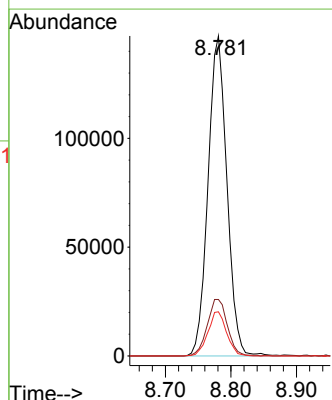
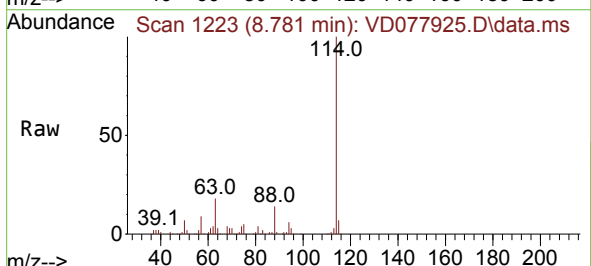
Tgt Ion: 114 Resp: 294678

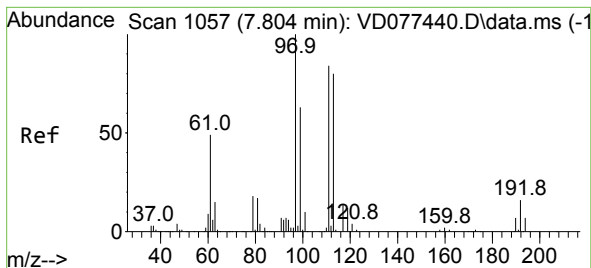
Ion Ratio Lower Upper

114 100

63 17.7 0.0 33.4

88 13.8 0.0 26.2





#35

Dibromofluoromethane

Concen: 42.505 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

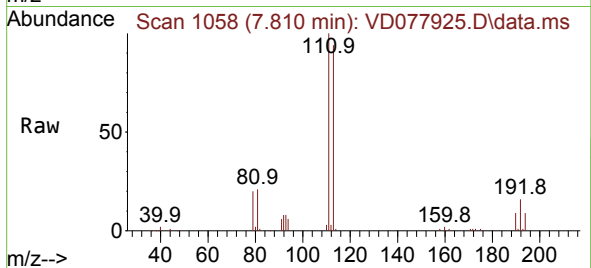
Lab File: VD077925.D

Acq: 16 Dec 2023 03:11

Instrument :

MSVOA_D

ClientSampleId :



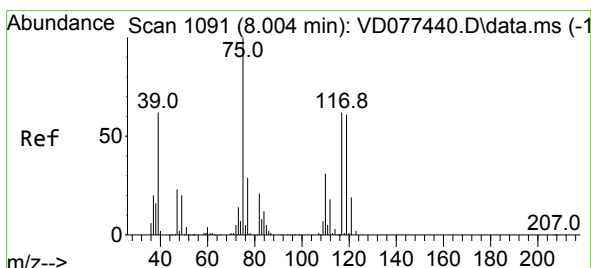
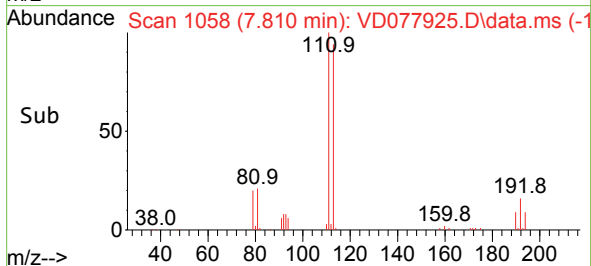
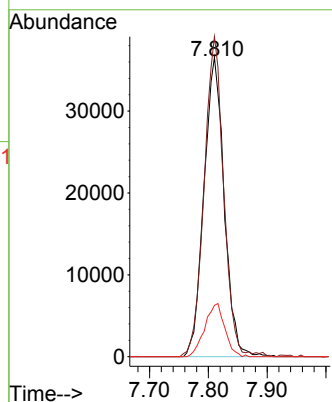
Tgt Ion:113 Resp: 87735

Ion Ratio Lower Upper

113 100

111 102.2 84.7 127.1

192 17.5 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.210 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD077925.D

Acq: 16 Dec 2023 03:11

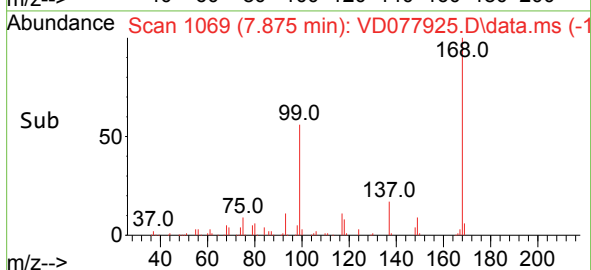
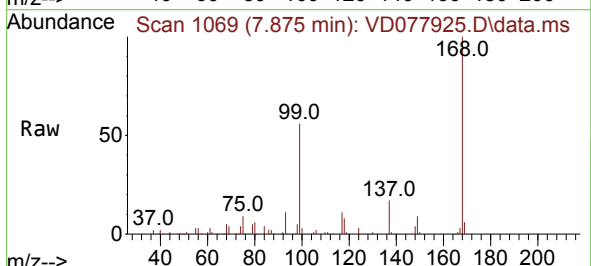
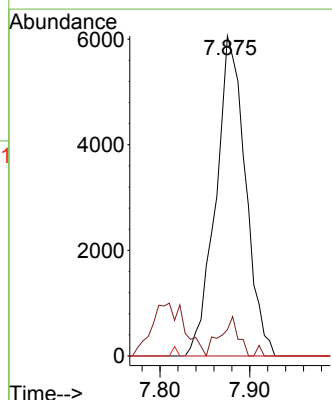
Tgt Ion: 75 Resp: 13900

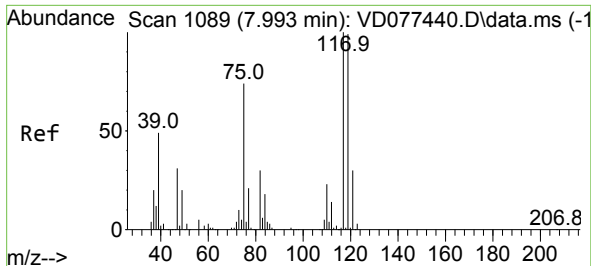
Ion Ratio Lower Upper

75 100

110 7.5 19.9 59.6#

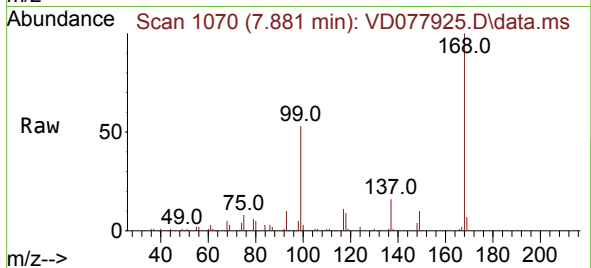
77 0.0 24.7 37.1#



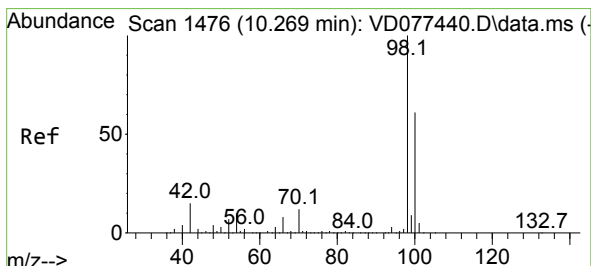
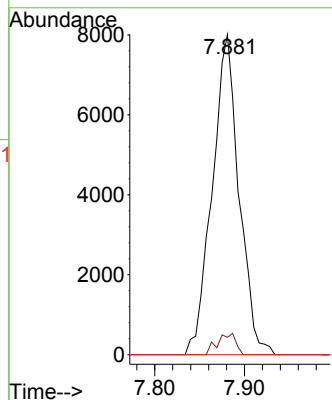
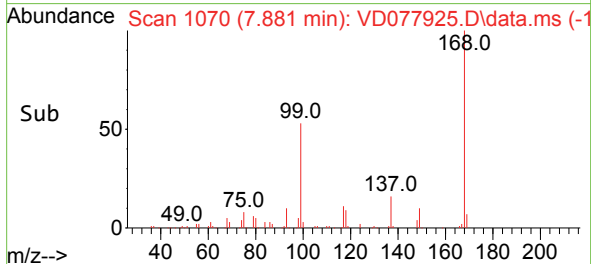


#38
Carbon Tetrachloride
Concen: 5.043 ug/l
RT: 7.881 min Scan# 1089
Delta R.T. -0.112 min
Lab File: VD077925.D
Acq: 16 Dec 2023 03:11

Instrument :
MSVOA_D
ClientSampleId :

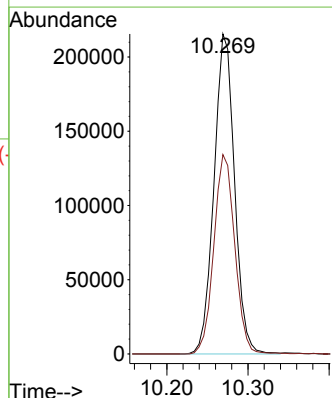
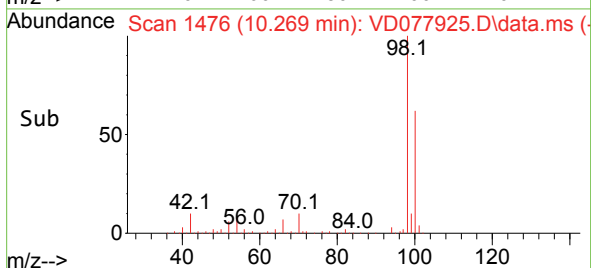
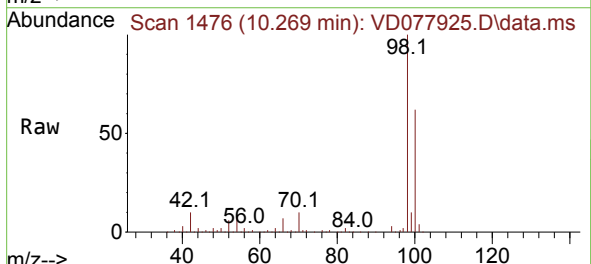


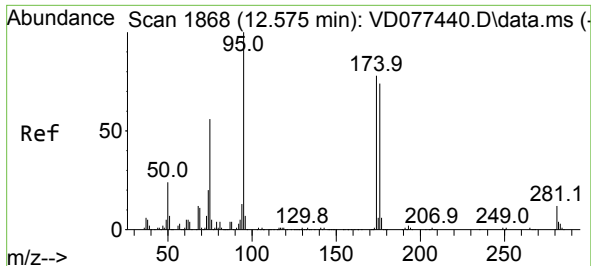
Tgt Ion:117 Resp: 16598
Ion Ratio Lower Upper
117 100
119 5.5 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 45.860 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077925.D
Acq: 16 Dec 2023 03:11

Tgt Ion: 98 Resp: 379127
Ion Ratio Lower Upper
98 100
100 63.5 50.3 75.5

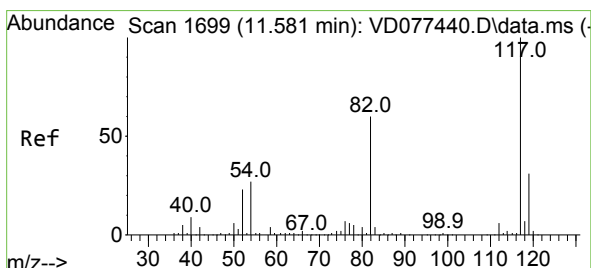
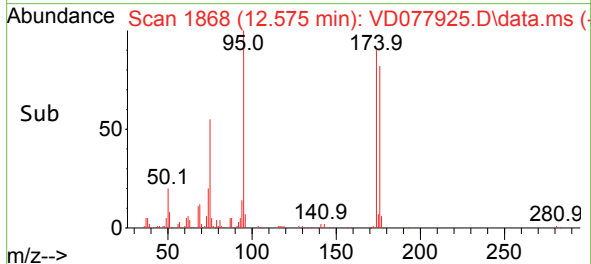
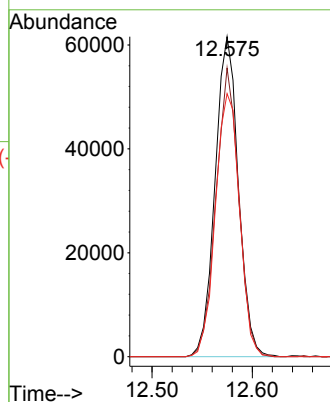
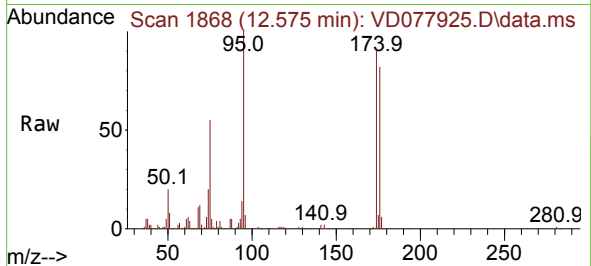




#62
4-Bromofluorobenzene
Concen: 40.227 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077925.D
Acq: 16 Dec 2023 03:11

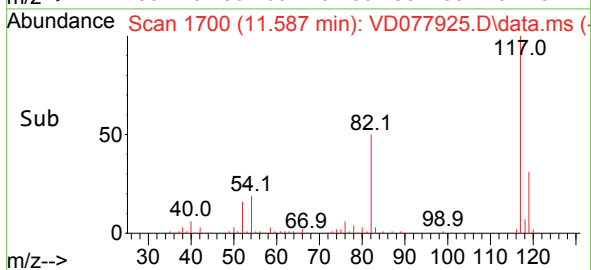
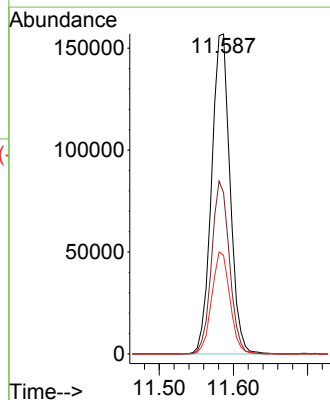
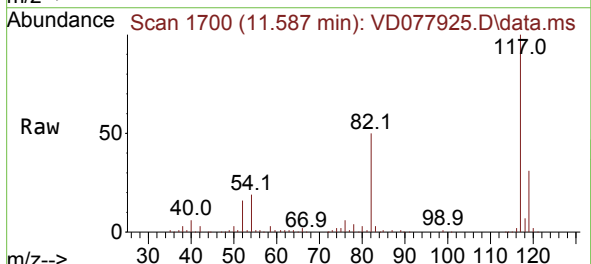
Instrument :
MSVOA_D
ClientSampleId :

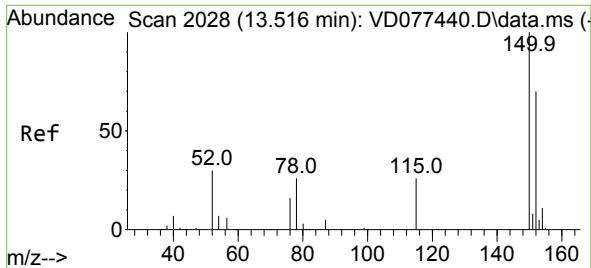
Tgt Ion: 95	Resp: 99428
Ion Ratio	Lower Upper
95 100	
174 88.1	0.0 201.8
176 85.1	0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VD077925.D
Acq: 16 Dec 2023 03:11

Tgt Ion: 117	Resp: 272200
Ion Ratio	Lower Upper
117 100	
82 50.4	38.3 57.5
119 30.8	25.0 37.4

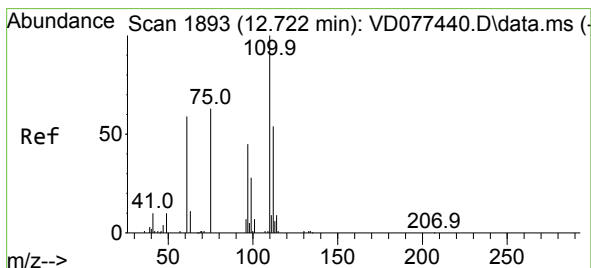
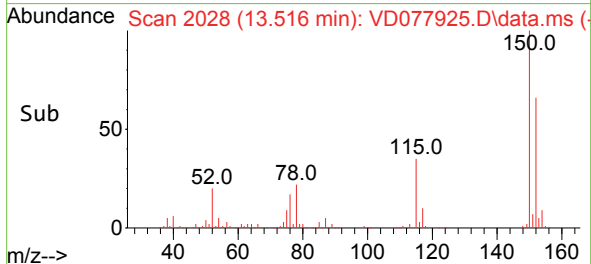
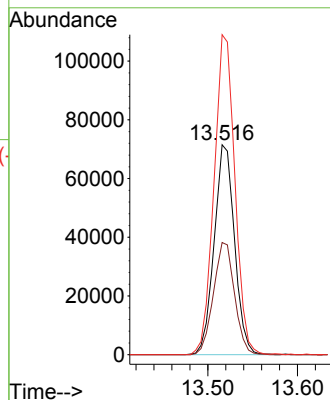
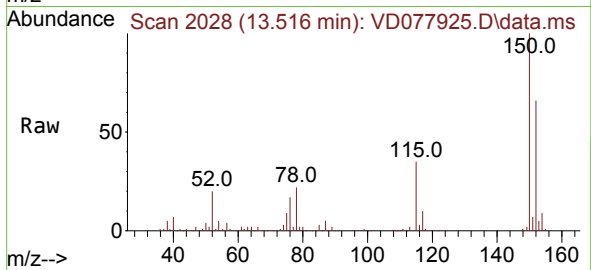




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 2028
 Delta R.T. -0.000 min
 Lab File: VD077925.D
 Acq: 16 Dec 2023 03:11

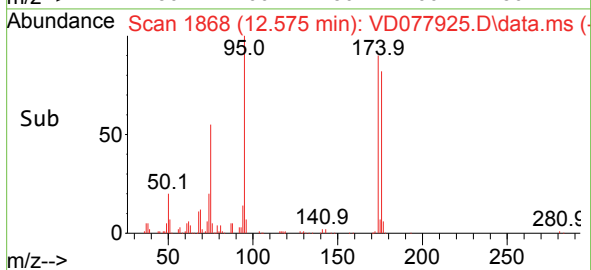
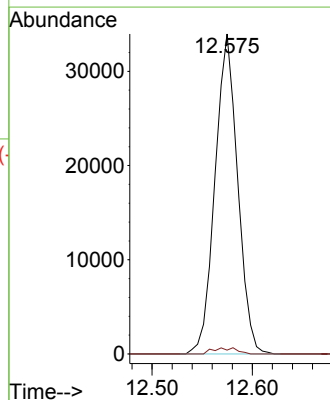
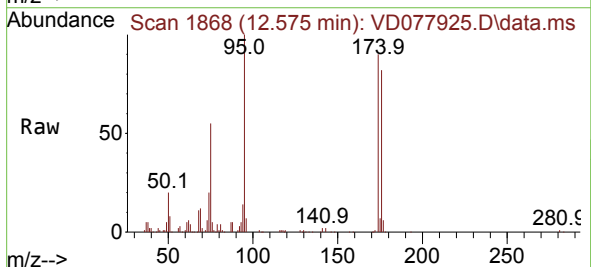
Instrument :
 MSVOA_D
 ClientSampleId :

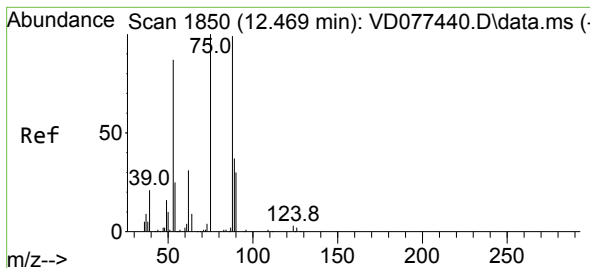
Tgt Ion:152 Resp: 112898
 Ion Ratio Lower Upper
 152 100
 115 55.2 27.1 81.3
 150 155.6 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 54.313 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD077925.D
 Acq: 16 Dec 2023 03:11

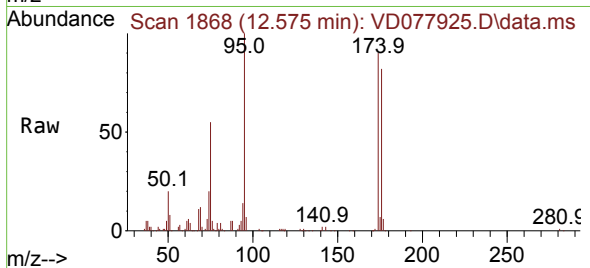
Tgt Ion: 75 Resp: 53255
 Ion Ratio Lower Upper
 75 100
 77 2.0 0.0 0.0#



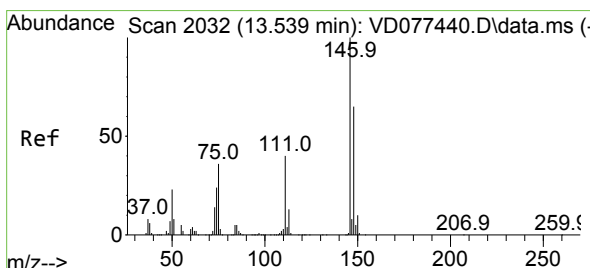
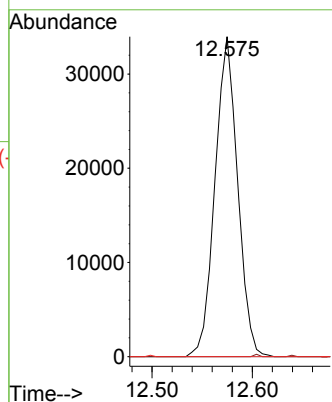
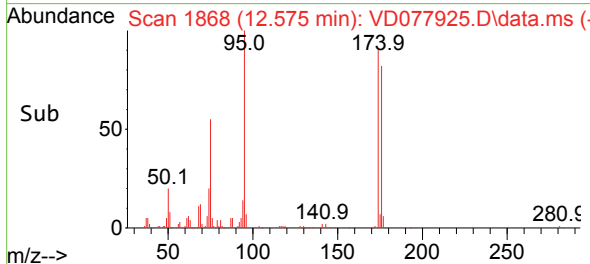


#81
trans-1,4-Dichloro-2-butene
Concen: 110.041 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077925.D
Acq: 16 Dec 2023 03:11

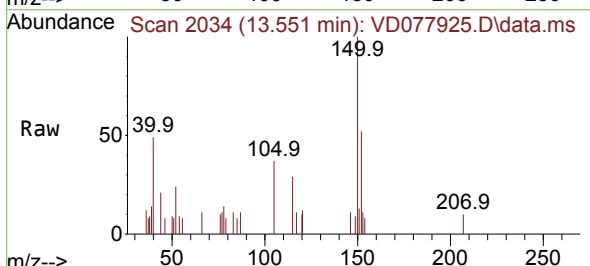
Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 53255
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.551 min Scan# 2034
Delta R.T. 0.012 min
Lab File: VD077925.D
Acq: 16 Dec 2023 03:11



Tgt Ion: 146 Resp: 264
Ion Ratio Lower Upper
146 100
111 0.0 17.4 52.3#
148 0.0 31.7 95.1#

