

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121323\
 Data File : VD077857.D
 Acq On : 13 Dec 2023 12:56
 Operator : RP/MD
 Sample : 05767-03
 Misc : 5.38G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 14 01:52:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 08 13:33:18 2023
 Response via : Initial Calibration

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

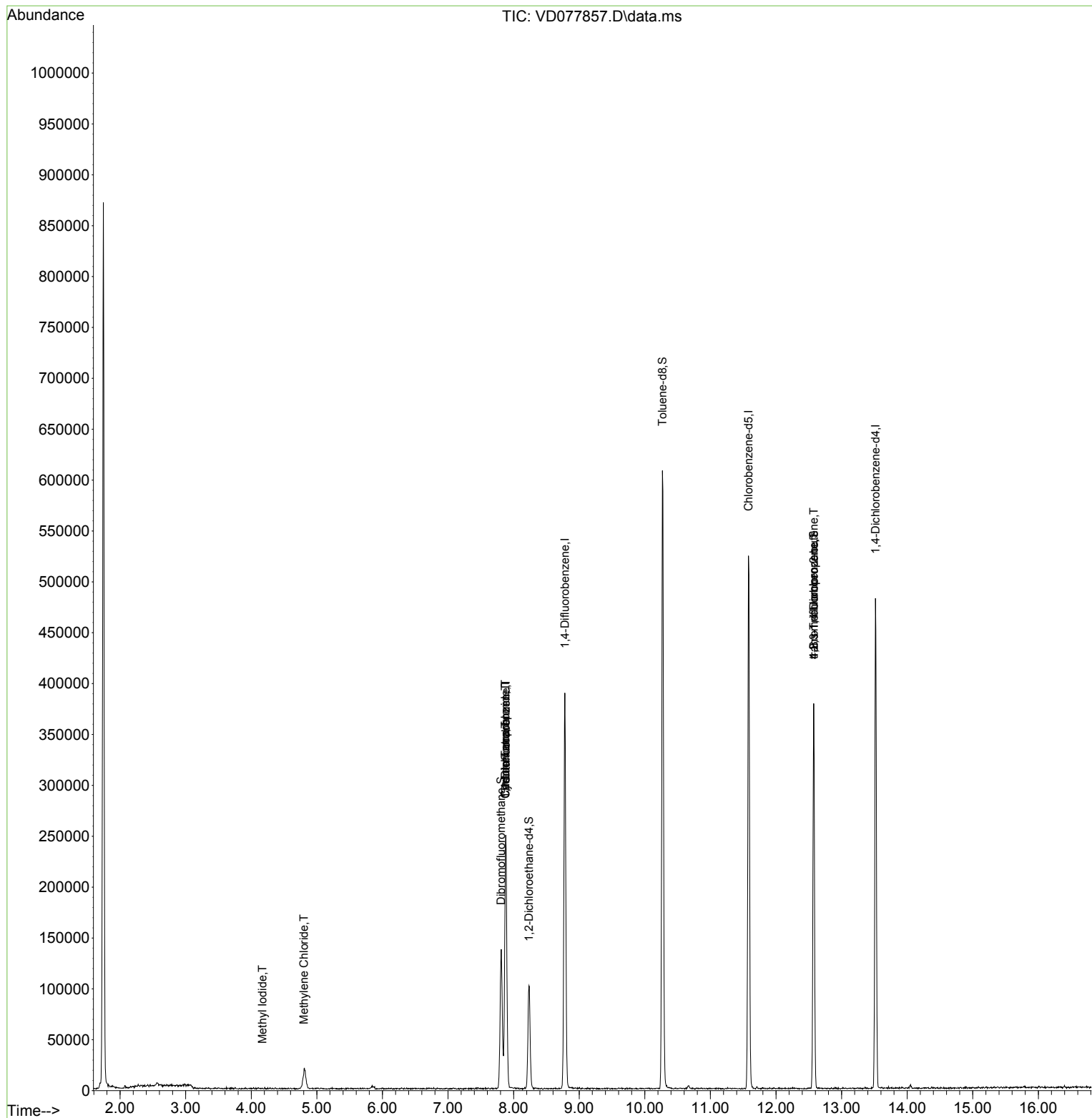
Internal Standards						
1) Pentafluorobenzene	7.881	168	193304	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	339275	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	306503	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	128163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	79692	34.986	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	69.980%
35) Dibromofluoromethane	7.811	113	95436	40.158	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	80.320%
50) Toluene-d8	10.269	98	428863	45.057	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.120%
62) 4-Bromofluorobenzene	12.575	95	113806	39.992	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.980%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.170	142	139	6.800	ug/l #	46
16) Acetone	4.034	43	197	Below Cal	#	32
20) Methylene Chloride	4.805	84	15788	1.117	ug/l #	83
25) 2-Butanone	7.093	43	59	Below Cal	#	37
31) Cyclohexane	7.875	56	4347	1.073	ug/l #	64
36) 1,1-Dichloropropene	7.875	75	16885	4.442	ug/l #	46
38) Carbon Tetrachloride	7.875	117	19944	5.263	ug/l #	14
65) Chlorobenzene	11.581	112	66	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.575	75	59600	53.544	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	59600	108.484	ug/l #	17
88) 1,4-Dichlorobenzene	13.522	146	437	Below Cal	#	1

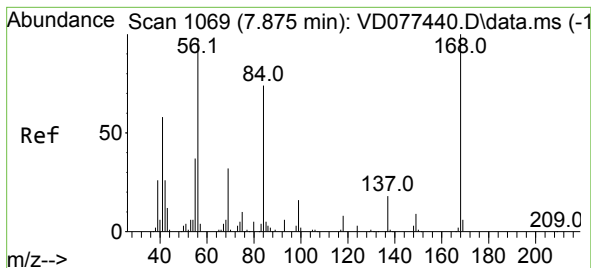
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Dec 08 13:33:18 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD077857.D

Acq: 13 Dec 2023 12:56

Instrument :

MSVOA_D

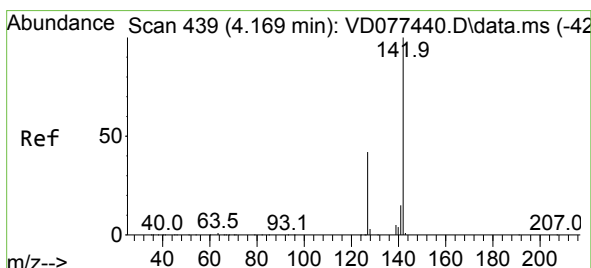
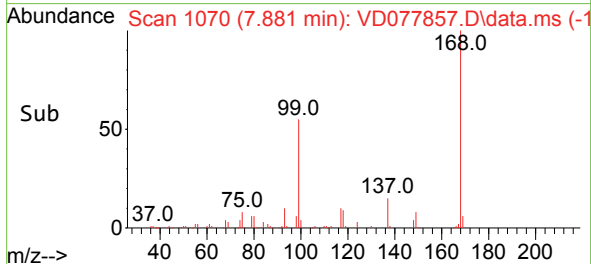
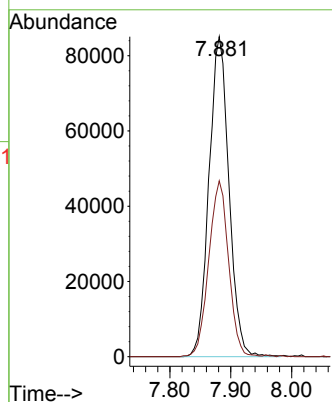
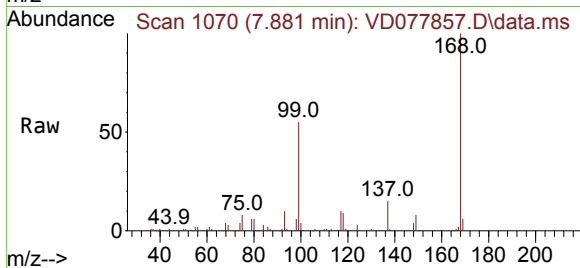
ClientSampleId :

Tgt Ion:168 Resp: 193304

Ion Ratio Lower Upper

168 100

99 54.9 36.7 55.1



#10

Methyl Iodide

Concen: 6.800 ug/l

RT: 4.170 min Scan# 439

Delta R.T. 0.001 min

Lab File: VD077857.D

Acq: 13 Dec 2023 12:56

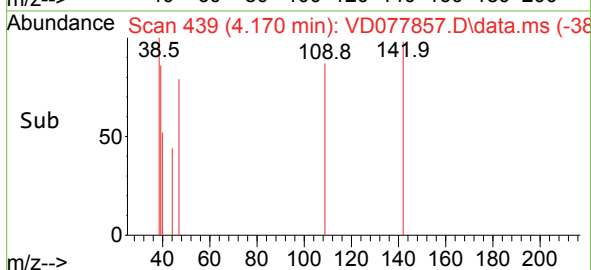
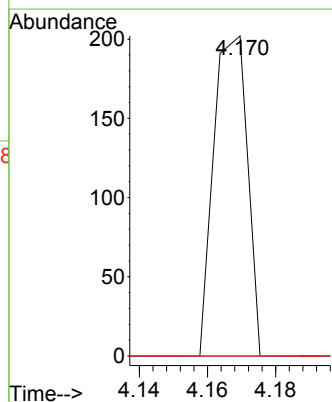
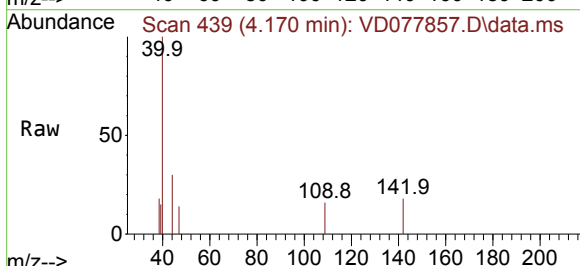
Tgt Ion:142 Resp: 139

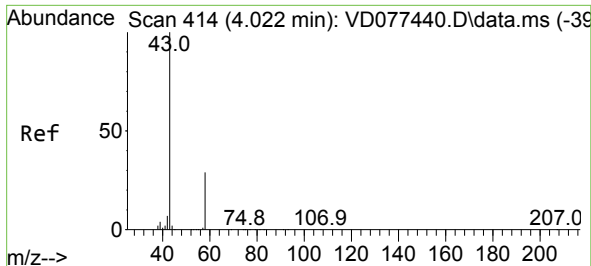
Ion Ratio Lower Upper

142 100

127 0.0 29.4 44.0#

141 0.0 11.1 16.7#

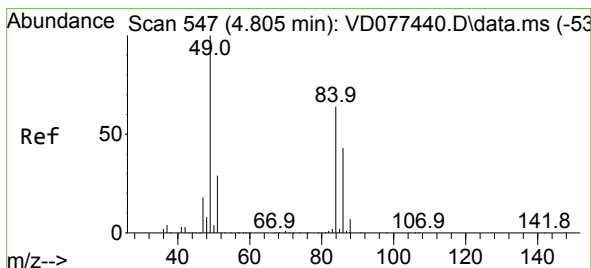
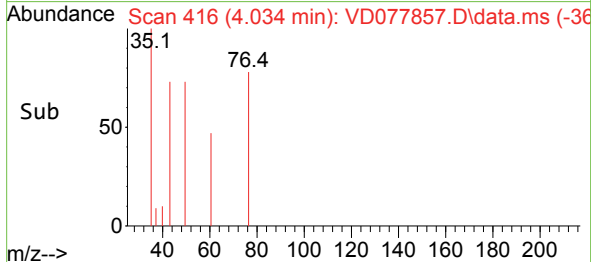
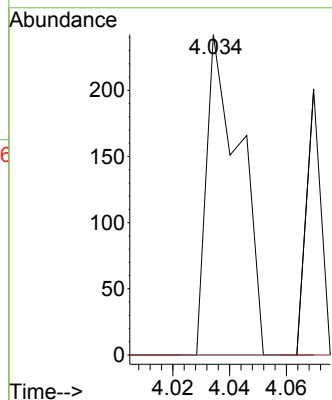
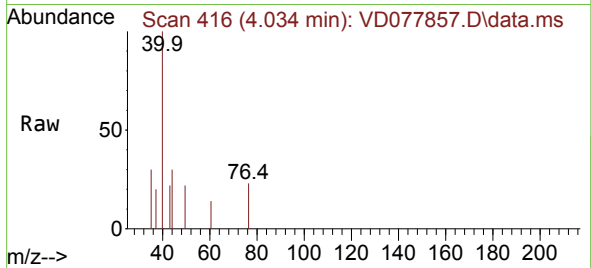




#16
Acetone
Concen: Below Cal
RT: 4.034 min Scan# 414
Delta R.T. 0.012 min
Lab File: VD077857.D
Acq: 13 Dec 2023 12:56

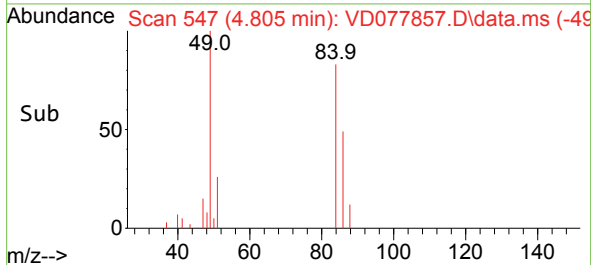
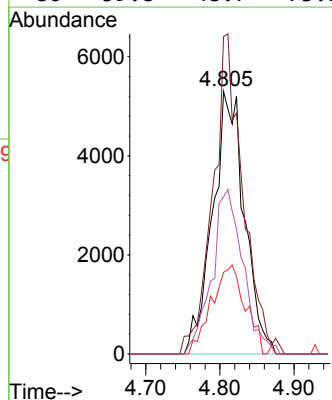
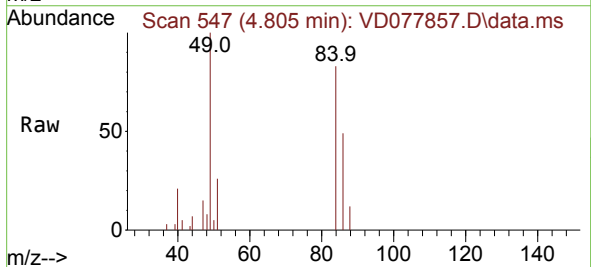
Instrument :
MSVOA_D
ClientSampleId :

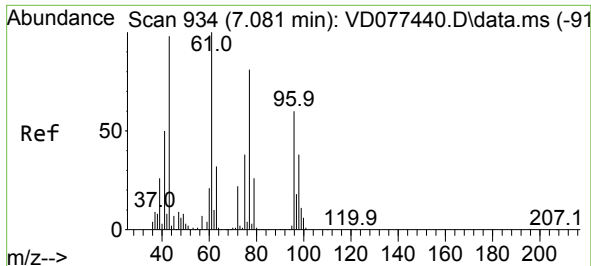
Tgt Ion: 43 Resp: 197
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#20
Methylene Chloride
Concen: 1.117 ug/l
RT: 4.805 min Scan# 547
Delta R.T. -0.000 min
Lab File: VD077857.D
Acq: 13 Dec 2023 12:56

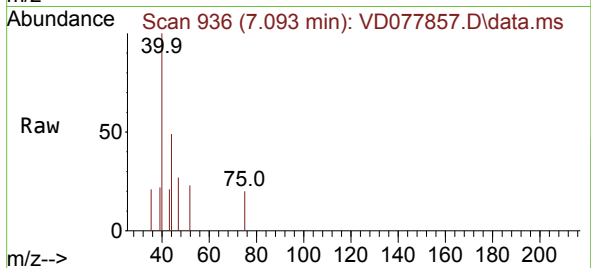
Tgt Ion: 84 Resp: 15788
Ion Ratio Lower Upper
84 100
49 120.9 71.4 107.2#
51 31.1 24.5 36.7
86 59.8 48.7 73.1



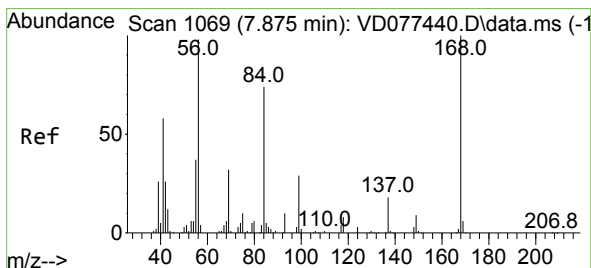
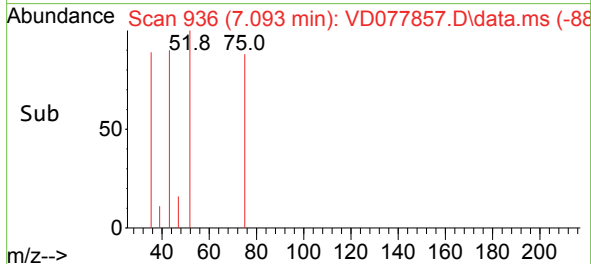
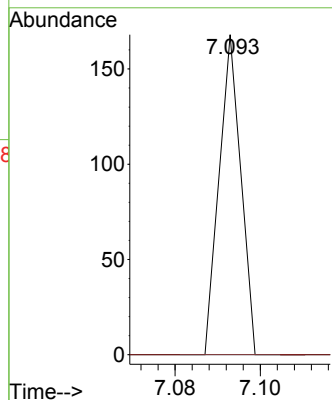


#25
2-Butanone
Concen: Below Cal
RT: 7.093 min Scan# 91
Delta R.T. 0.012 min
Lab File: VD077857.D
Acq: 13 Dec 2023 12:56

Instrument :
MSVOA_D
ClientSampleId :

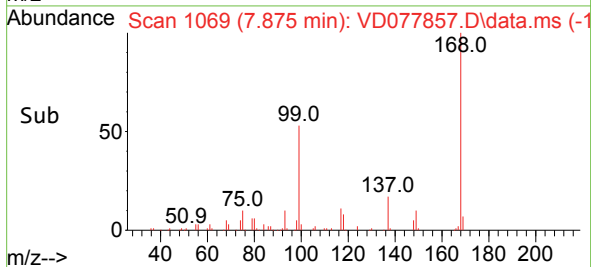
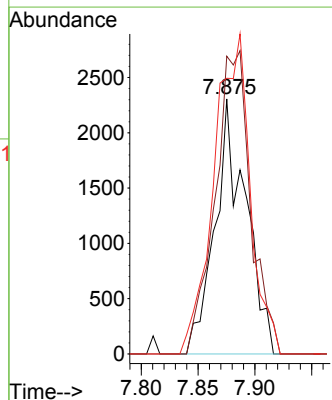
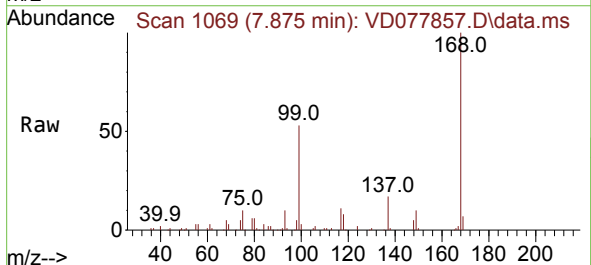


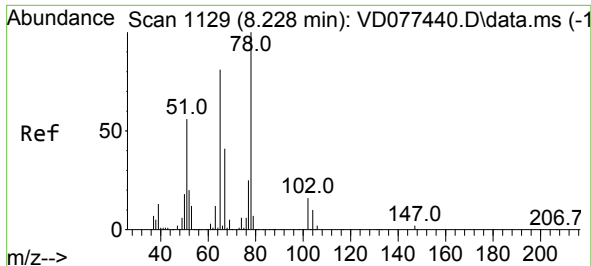
Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.073 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077857.D
Acq: 13 Dec 2023 12:56

Tgt Ion: 56 Resp: 4347
Ion Ratio Lower Upper
56 100
69 116.7 28.6 43.0#
84 108.1 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 34.986 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD077857.D

Acq: 13 Dec 2023 12:56

Instrument :

MSVOA_D

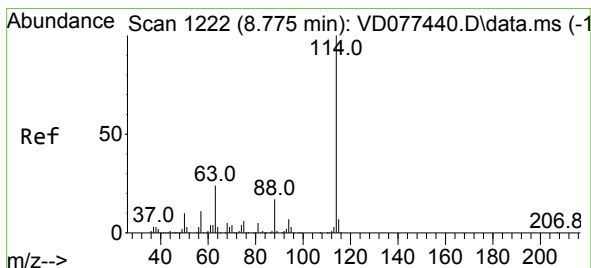
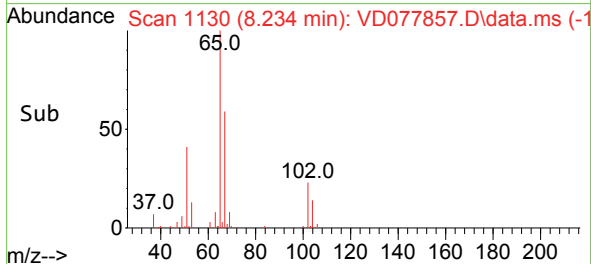
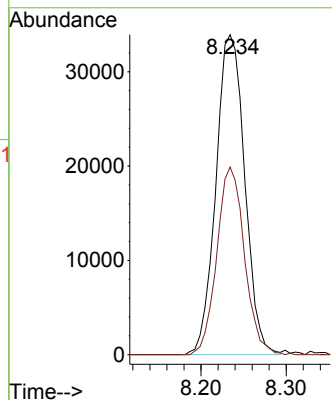
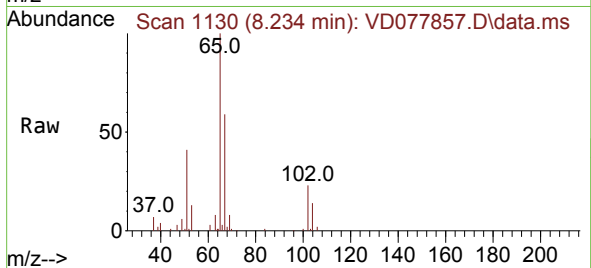
ClientSampleId :

Tgt Ion: 65 Resp: 79692

Ion Ratio Lower Upper

65 100

67 56.3 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: VD077857.D

Acq: 13 Dec 2023 12:56

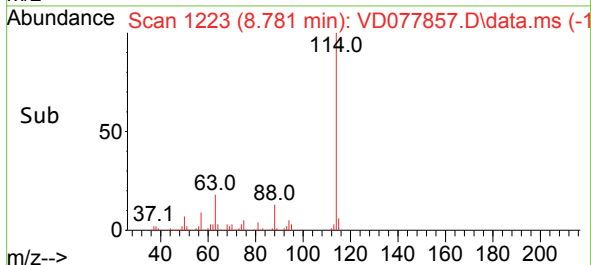
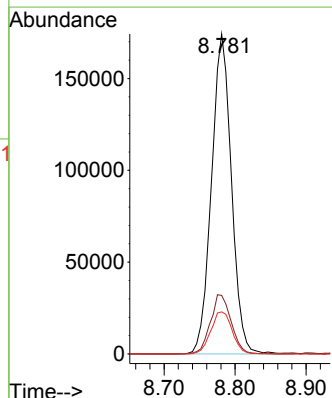
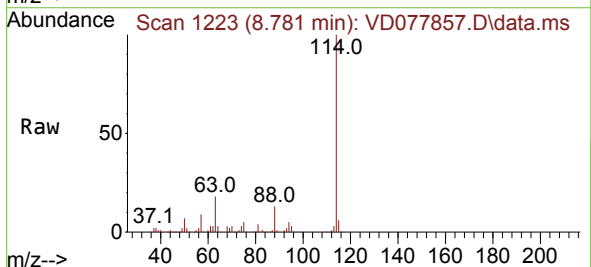
Tgt Ion: 114 Resp: 339275

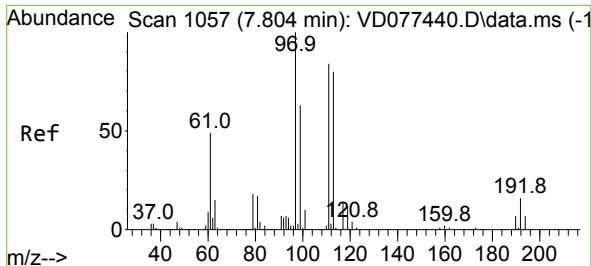
Ion Ratio Lower Upper

114 100

63 18.3 0.0 33.4

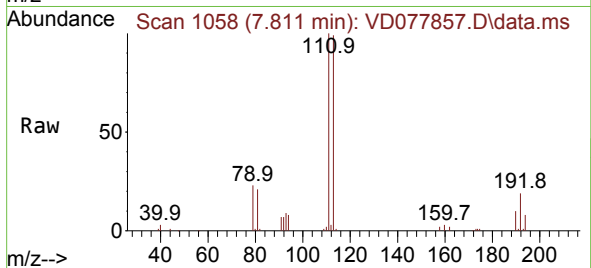
88 13.1 0.0 26.2



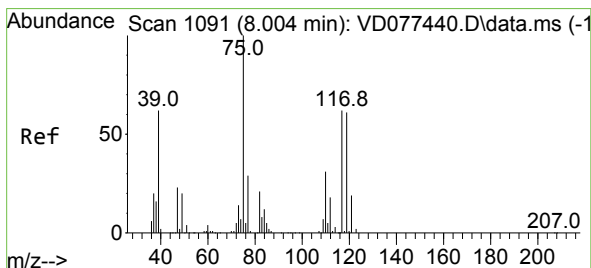
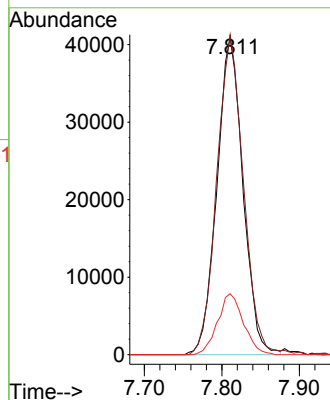
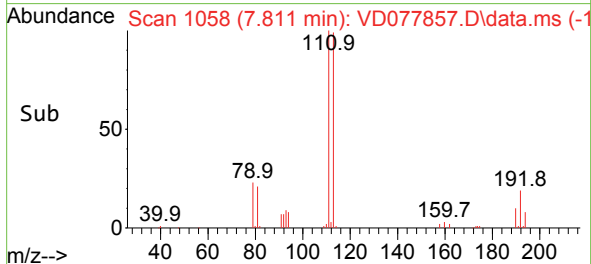


#35
 Dibromofluoromethane
 Concen: 40.158 ug/l
 RT: 7.811 min Scan# 1058
 Delta R.T. 0.007 min
 Lab File: VD077857.D
 Acq: 13 Dec 2023 12:56

Instrument :
 MSVOA_D
 ClientSampleId :

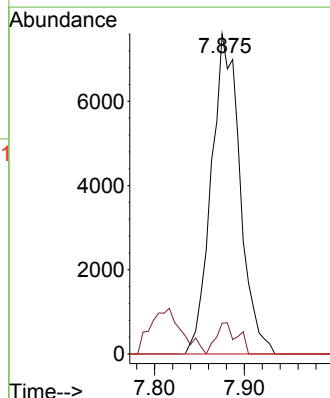
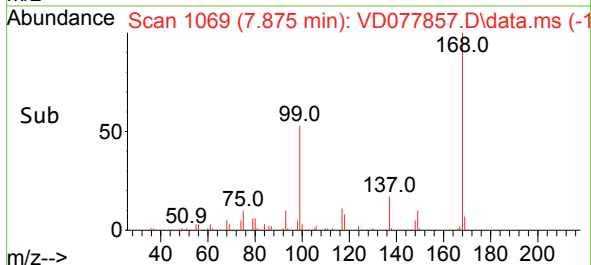
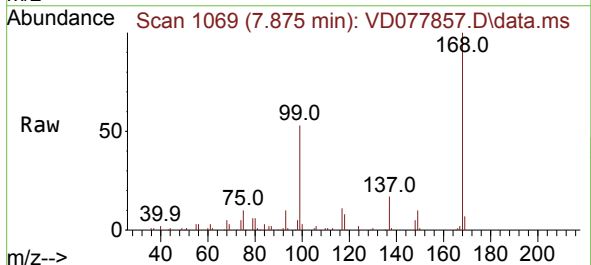


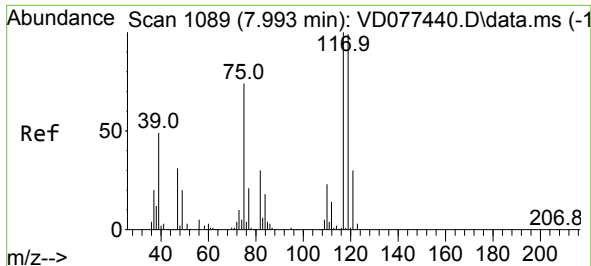
Tgt Ion:113 Resp: 95436
 Ion Ratio Lower Upper
 113 100
 111 103.1 84.7 127.1
 192 19.1 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 4.442 ug/l
 RT: 7.875 min Scan# 1069
 Delta R.T. -0.129 min
 Lab File: VD077857.D
 Acq: 13 Dec 2023 12:56

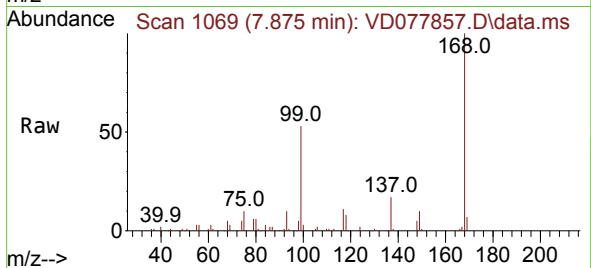
Tgt Ion: 75 Resp: 16885
 Ion Ratio Lower Upper
 75 100
 110 7.1 19.9 59.6#
 77 0.0 24.7 37.1#



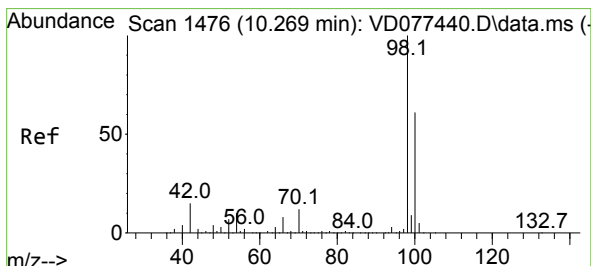
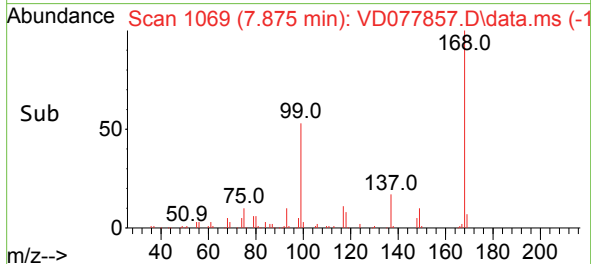
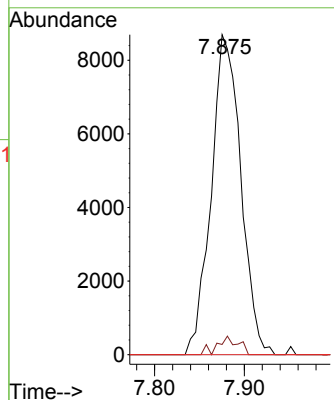


#38
Carbon Tetrachloride
Concen: 5.263 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD077857.D
Acq: 13 Dec 2023 12:56

Instrument :
MSVOA_D
ClientSampleId :

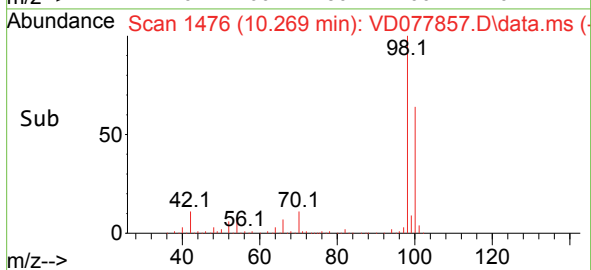
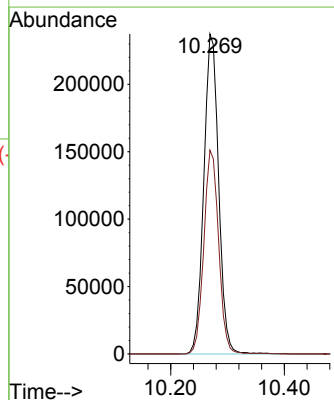
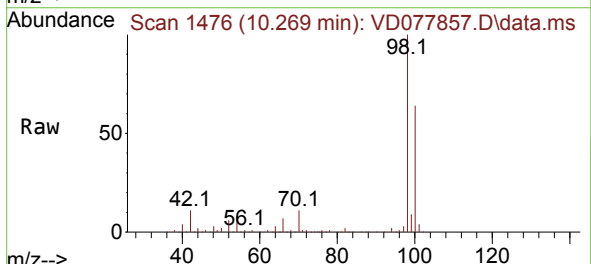


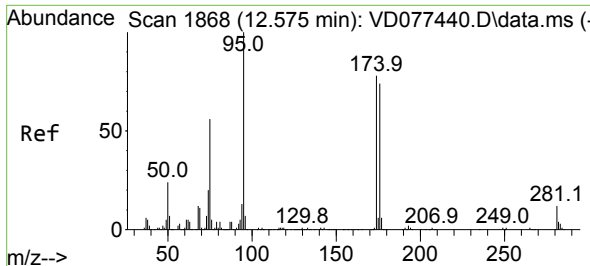
Tgt Ion:117 Resp: 19944
Ion Ratio Lower Upper
117 100
119 3.2 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 45.057 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077857.D
Acq: 13 Dec 2023 12:56

Tgt Ion: 98 Resp: 428863
Ion Ratio Lower Upper
98 100
100 63.6 50.3 75.5

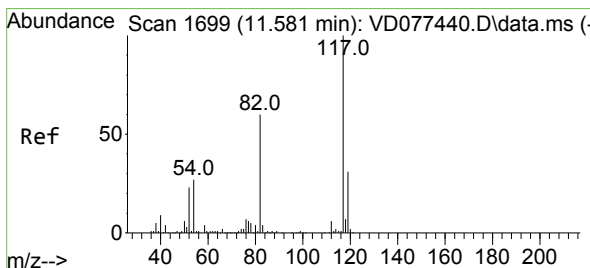
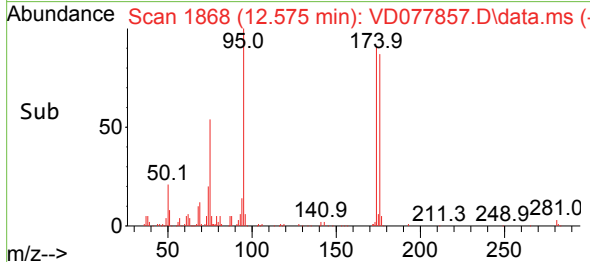
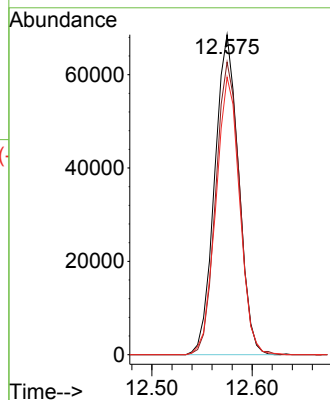
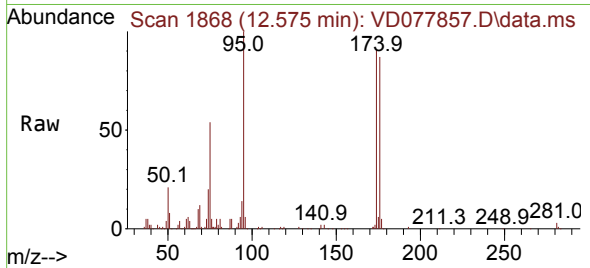




#62
4-Bromofluorobenzene
Concen: 39.992 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077857.D
Acq: 13 Dec 2023 12:56

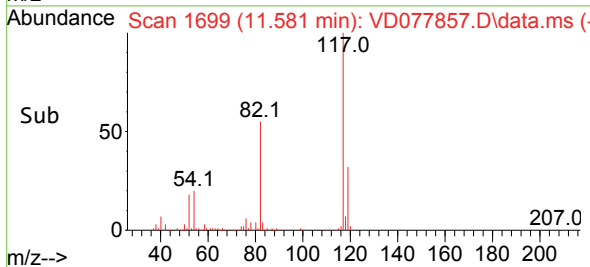
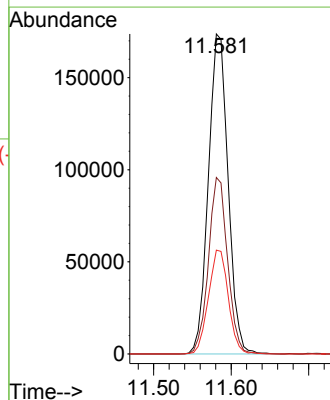
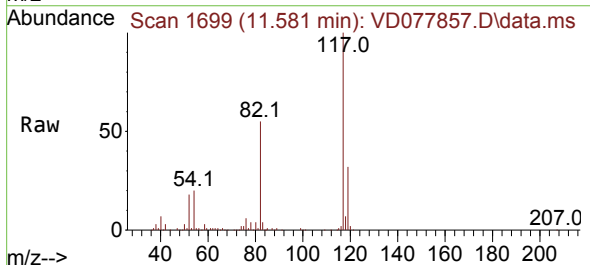
Instrument :
MSVOA_D
ClientSampleId :

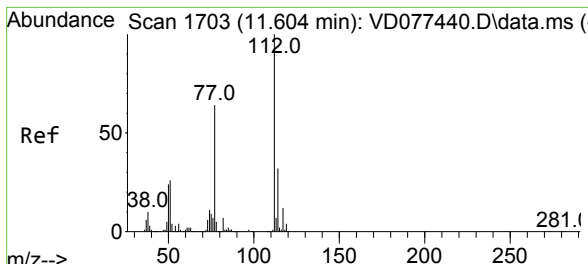
Tgt Ion: 95 Resp: 113806
Ion Ratio Lower Upper
95 100
174 90.7 0.0 201.8
176 86.2 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077857.D
Acq: 13 Dec 2023 12:56

Tgt Ion: 117 Resp: 306503
Ion Ratio Lower Upper
117 100
82 55.2 38.3 57.5
119 32.4 25.0 37.4

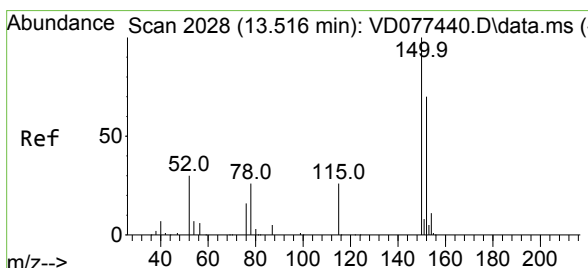
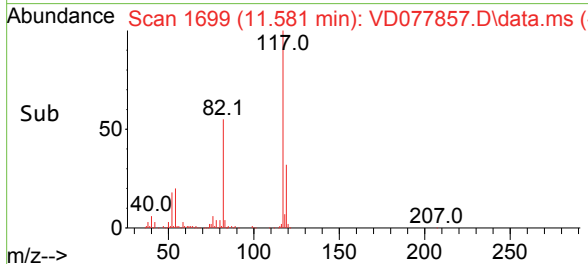
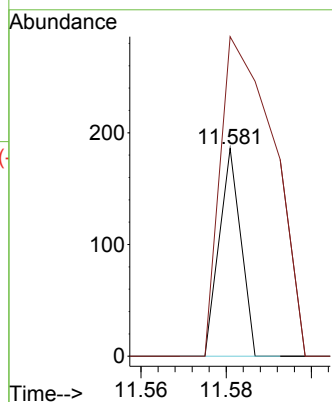
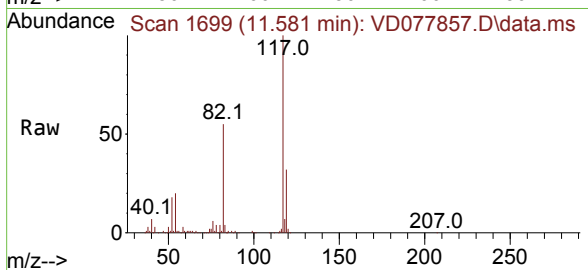




#65
Chlorobenzene
Concen: Below Cal
RT: 11.581 min Scan# 11
Delta R.T. -0.023 min
Lab File: VD077857.D
Acq: 13 Dec 2023 12:56

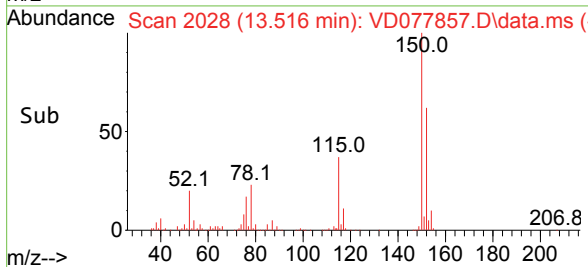
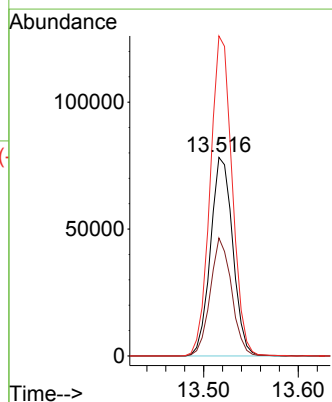
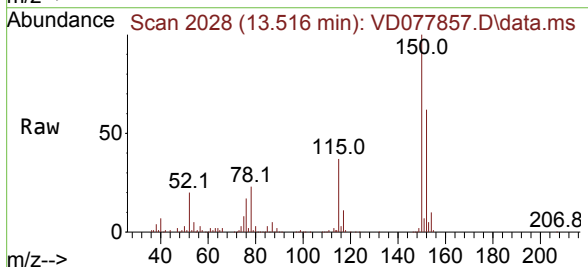
Instrument :
MSVOA_D
ClientSampleId :

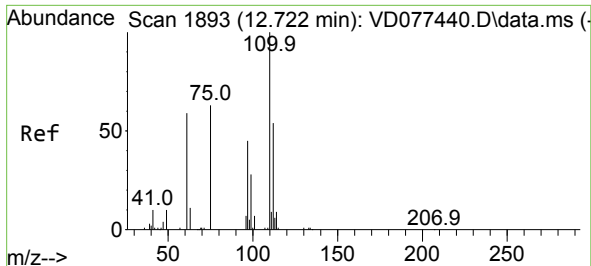
Tgt Ion:112 Resp: 66
Ion Ratio Lower Upper
112 100
114 153.8 25.1 37.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD077857.D
Acq: 13 Dec 2023 12:56

Tgt Ion:152 Resp: 128163
Ion Ratio Lower Upper
152 100
115 56.9 27.1 81.3
150 158.6 0.0 353.6

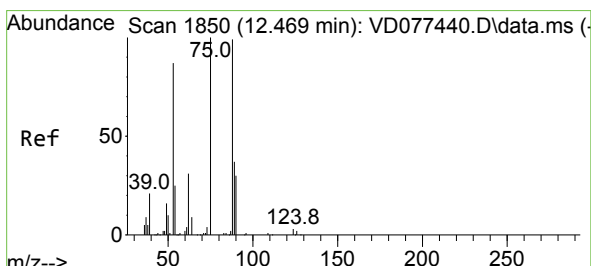
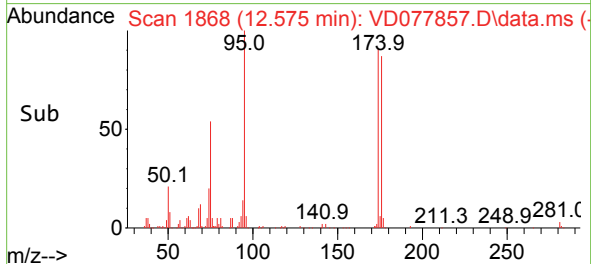
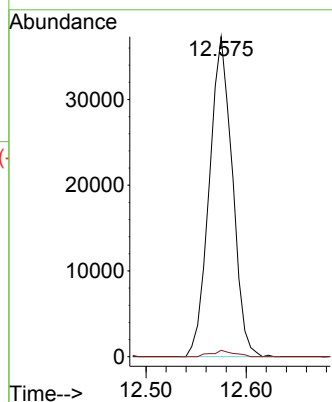
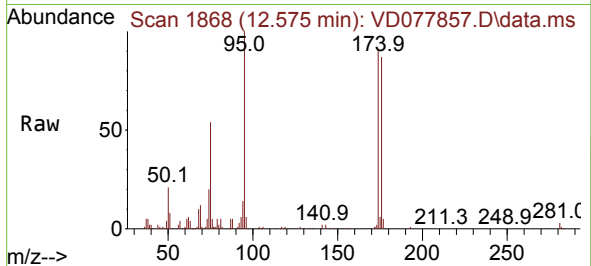




#76
1,2,3-Trichloropropane
Concen: 53.544 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077857.D
Acq: 13 Dec 2023 12:56

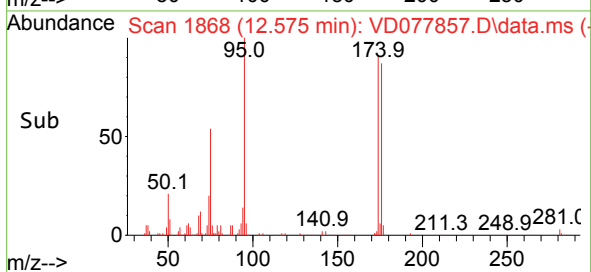
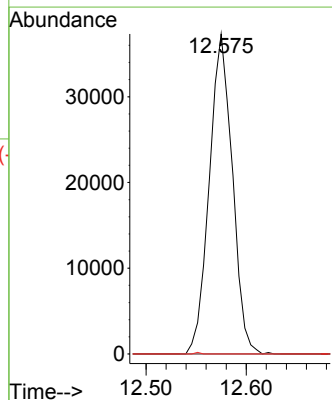
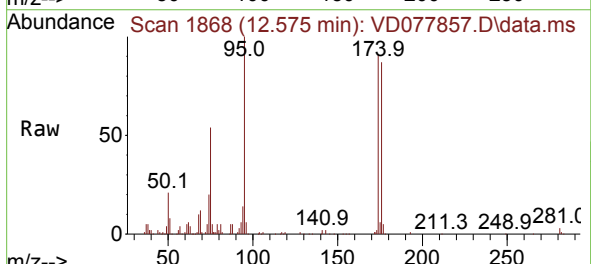
Instrument :
MSVOA_D
ClientSampleId :

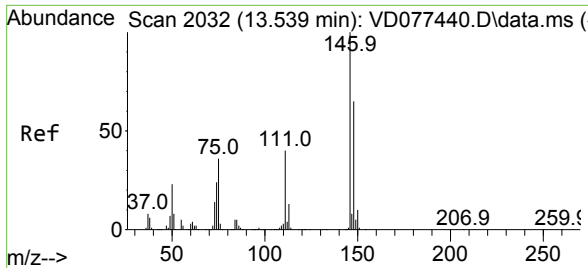
Tgt Ion: 75 Resp: 59600
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 108.484 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077857.D
Acq: 13 Dec 2023 12:56

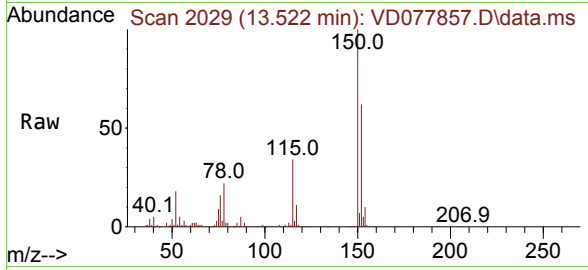
Tgt Ion: 75 Resp: 59600
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#





#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.522 min Scan# 2032
 Delta R.T. -0.017 min
 Lab File: VD077857.D
 Acq: 13 Dec 2023 12:56

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	146	Resp:	437
Ion	Ratio	Lower	Upper
146	100		
111	468.6	17.4	52.3#
148	270.0	31.7	95.1#

