

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121323\
 Data File : VD077858.D
 Acq On : 13 Dec 2023 13:23
 Operator : RP/MD
 Sample : 05767-06
 Misc : 7.14G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 14 01:52:29 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)

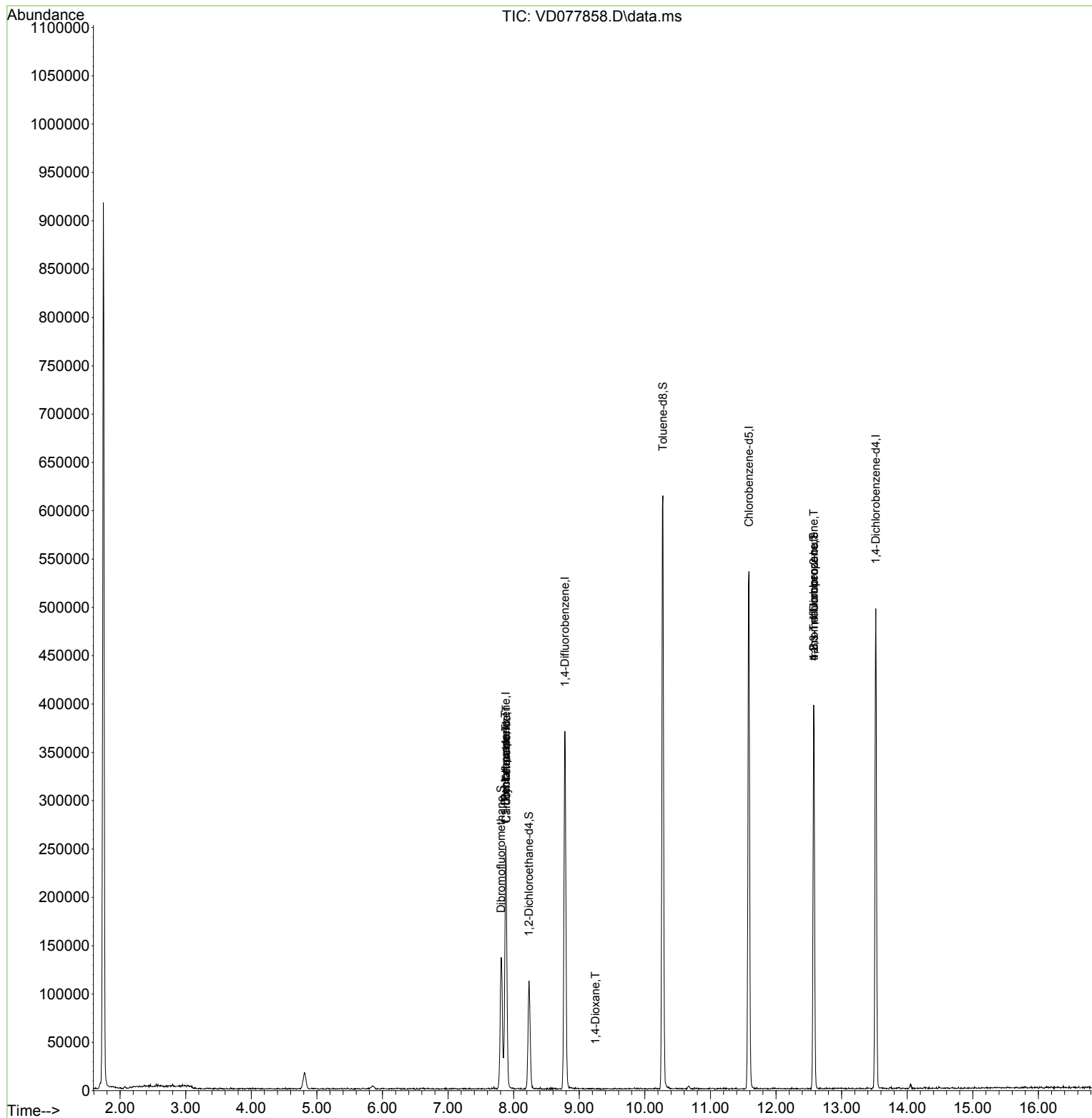
Internal Standards						
1) Pentafluorobenzene	7.881	168	185470	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	332872	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	312672	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	130570	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	85350	39.053	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	78.100%
35) Dibromofluoromethane	7.810	113	95606	41.004	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	82.000%
50) Toluene-d8	10.275	98	424451	45.451	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.900%
62) 4-Bromofluorobenzene	12.575	95	115299	41.296	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.600%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.793	59	65	Below Cal	#	73
16) Acetone	4.040	43	61	Below Cal	#	32
20) Methylene Chloride	4.816	84	12107	Below Cal		89
25) 2-Butanone	7.069	43	57	Below Cal	#	37
31) Cyclohexane	7.881	56	4511	1.160	ug/l #	21
36) 1,1-Dichloropropene	7.875	75	16007	4.292	ug/l #	47
38) Carbon Tetrachloride	7.887	117	19290	5.188	ug/l #	17
49) 1,4-Dioxane	9.245	88	54	3.994	ug/l #	33
65) Chlorobenzene	11.592	112	256	Below Cal	#	35
76) 1,2,3-Trichloropropane	12.575	75	61907	54.591	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	61907	110.606	ug/l #	17
88) 1,4-Dichlorobenzene	13.534	146	257	Below Cal	#	26

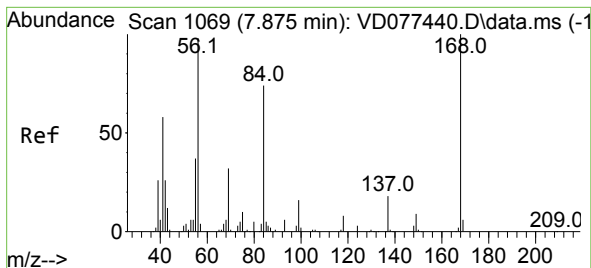
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_D
ClientSampleId :

Quant Time: Dec 14 01:52:29 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 10

Delta R.T. 0.006 min

Lab File: VD077858.D

Acq: 13 Dec 2023 13:23

Instrument :

MSVOA_D

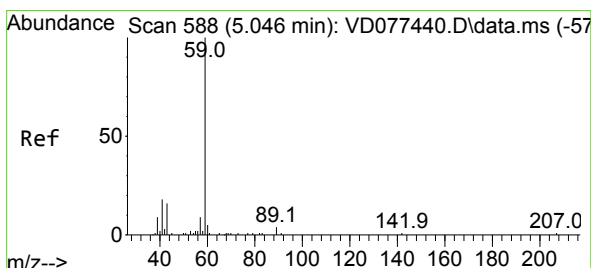
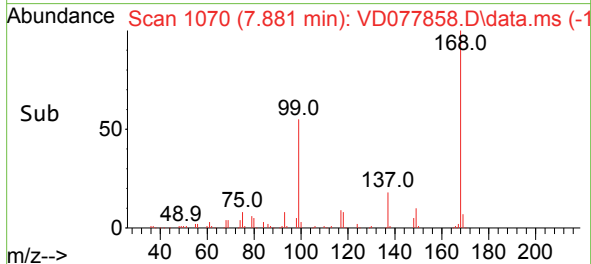
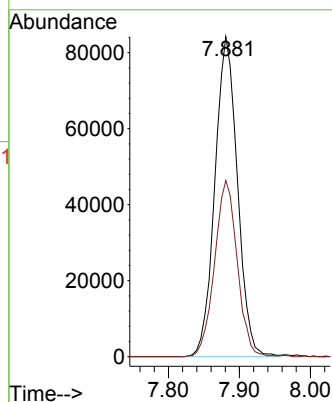
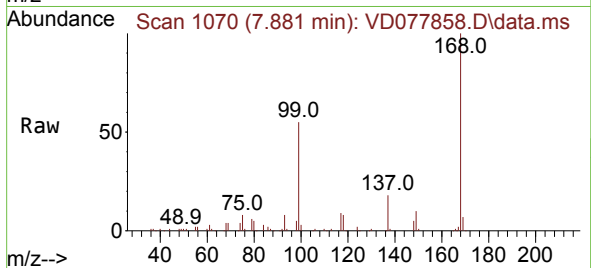
ClientSampleId :

Tgt Ion:168 Resp: 185470

Ion Ratio Lower Upper

168 100

99 55.1 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.793 min Scan# 545

Delta R.T. -0.253 min

Lab File: VD077858.D

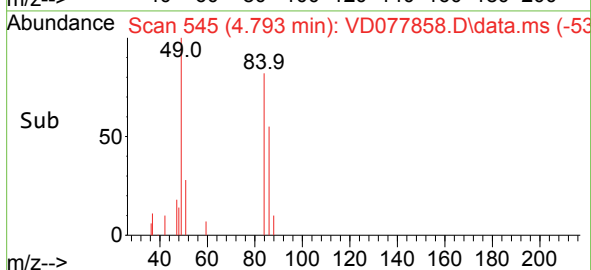
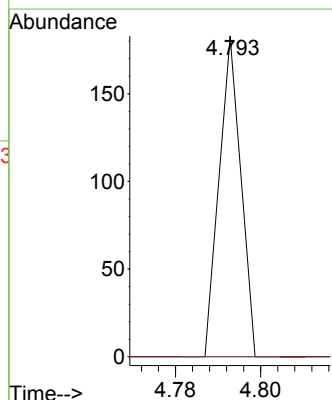
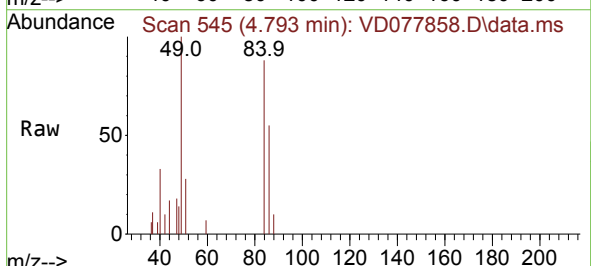
Acq: 13 Dec 2023 13:23

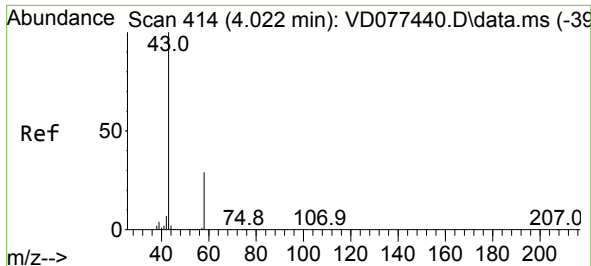
Tgt Ion: 59 Resp: 65

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

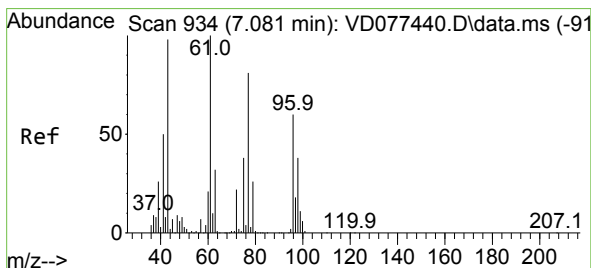
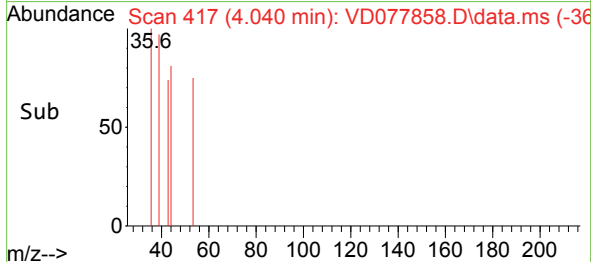
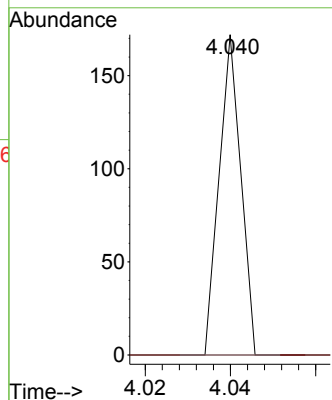
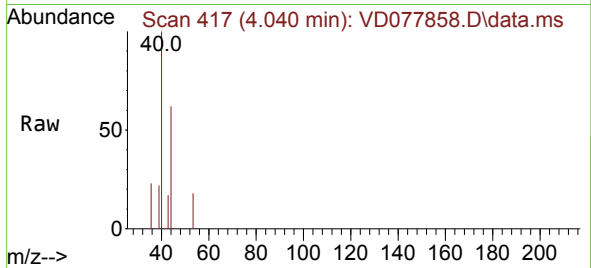




#16
Acetone
Concen: Below Cal
RT: 4.040 min Scan# 41
Delta R.T. 0.018 min
Lab File: VD077858.D
Acq: 13 Dec 2023 13:23

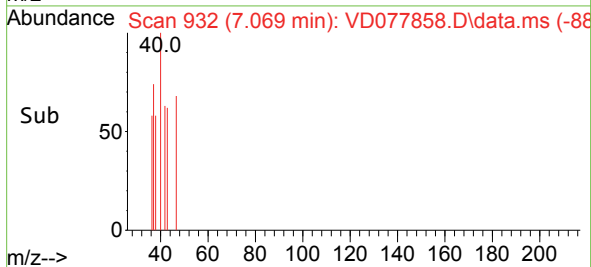
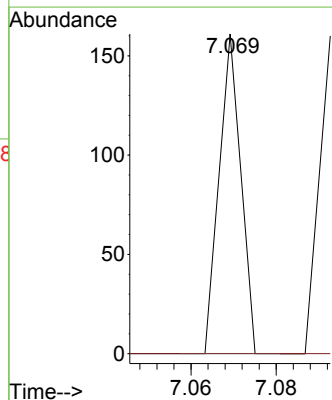
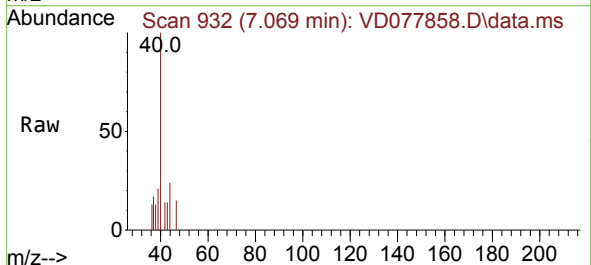
Instrument :
MSVOA_D
ClientSampleId :

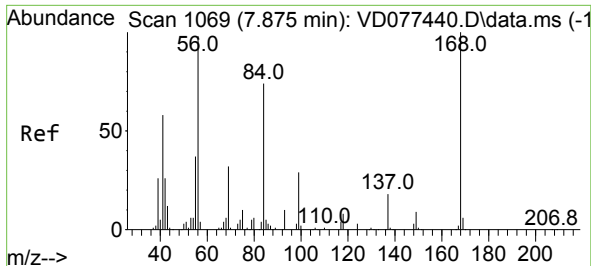
Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#25
2-Butanone
Concen: Below Cal
RT: 7.069 min Scan# 932
Delta R.T. -0.012 min
Lab File: VD077858.D
Acq: 13 Dec 2023 13:23

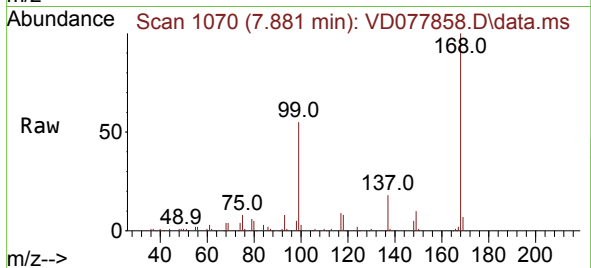
Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



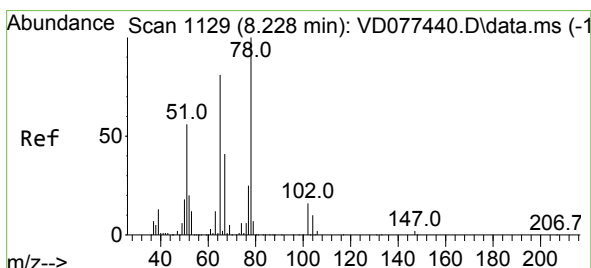
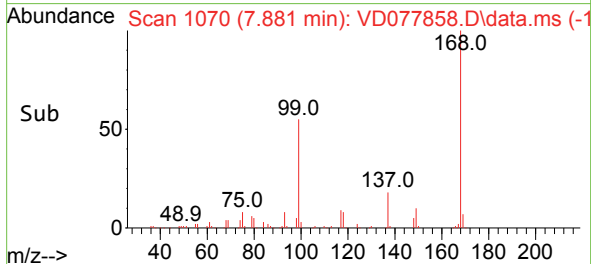
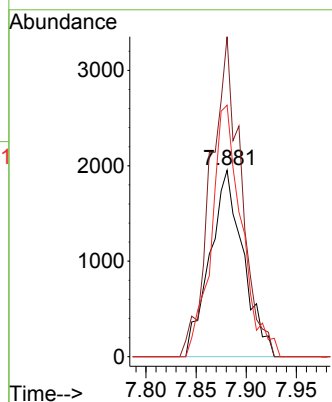


#31
Cyclohexane
Concen: 1.160 ug/l
RT: 7.881 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VD077858.D
Acq: 13 Dec 2023 13:23

Instrument :
MSVOA_D
ClientSampleId :

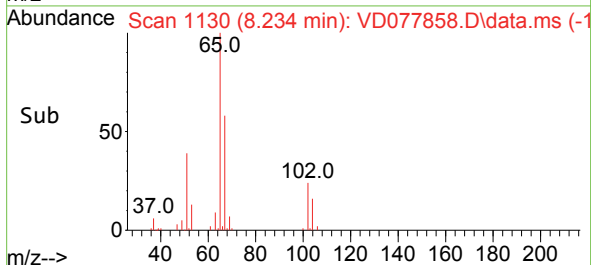
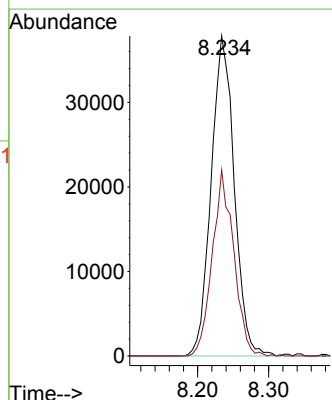
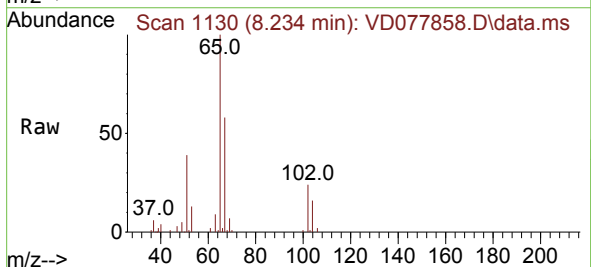


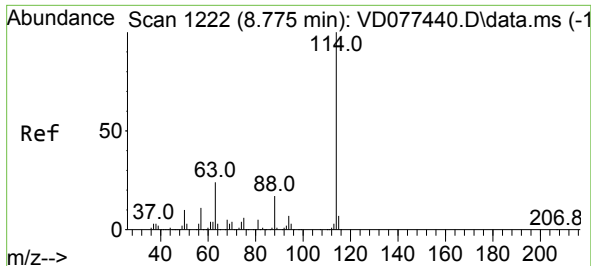
Tgt Ion: 56 Resp: 4511
Ion Ratio Lower Upper
56 100
69 171.7 28.6 43.0#
84 135.0 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 39.053 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077858.D
Acq: 13 Dec 2023 13:23

Tgt Ion: 65 Resp: 85350
Ion Ratio Lower Upper
65 100
67 54.0 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD077858.D

Acq: 13 Dec 2023 13:23

Instrument :

MSVOA_D

ClientSampleId :

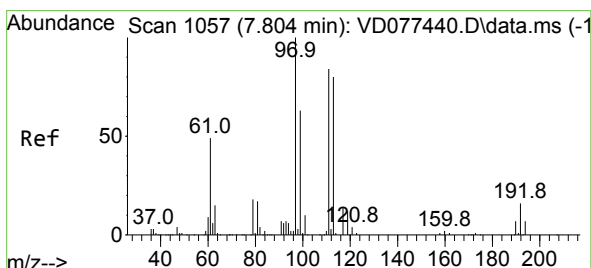
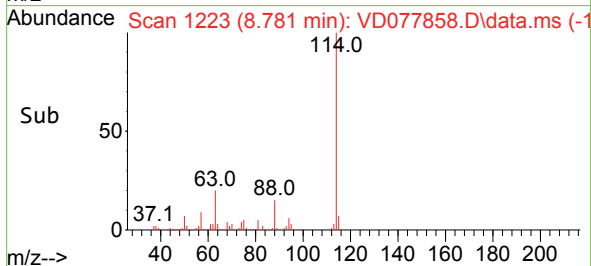
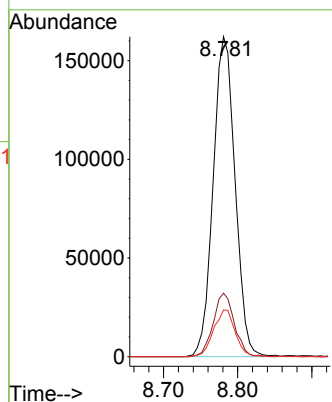
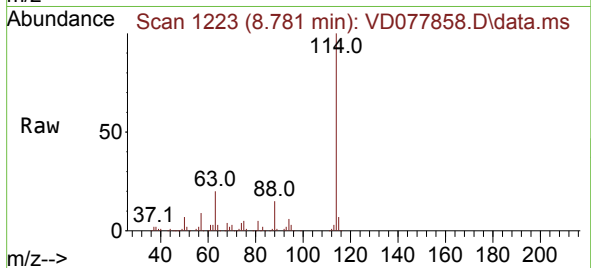
Tgt Ion:114 Resp: 332872

Ion Ratio Lower Upper

114 100

63 19.8 0.0 33.4

88 14.6 0.0 26.2



#35

Dibromofluoromethane

Concen: 41.004 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077858.D

Acq: 13 Dec 2023 13:23

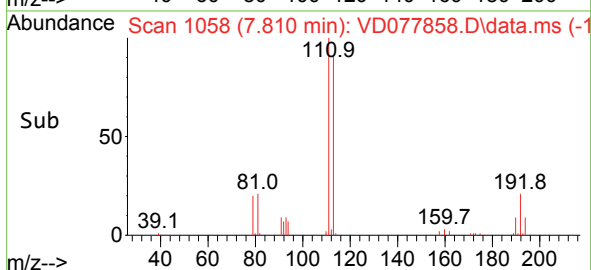
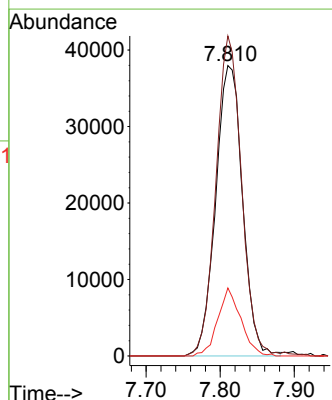
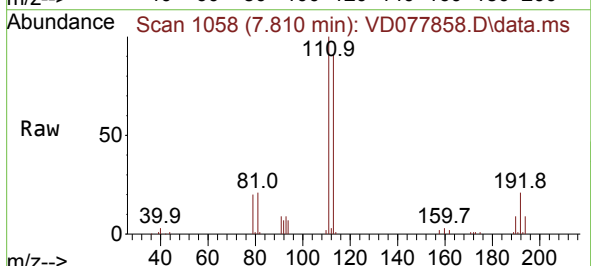
Tgt Ion:113 Resp: 95606

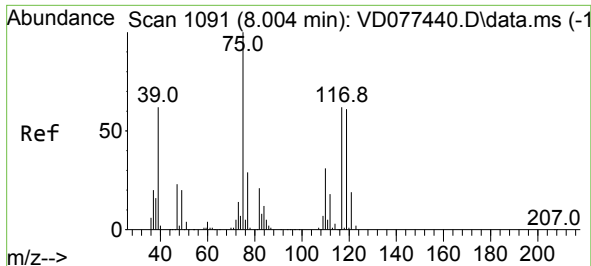
Ion Ratio Lower Upper

113 100

111 105.6 84.7 127.1

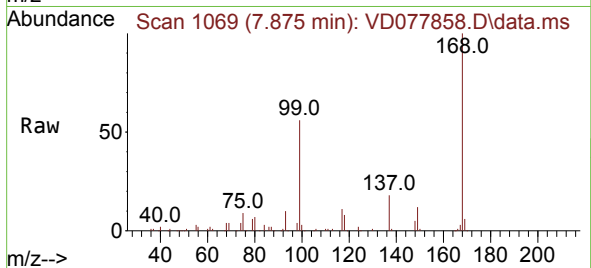
192 20.2 16.8 25.2



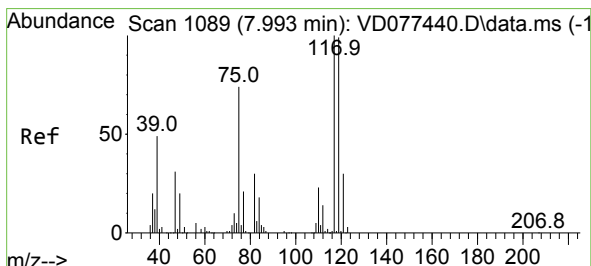
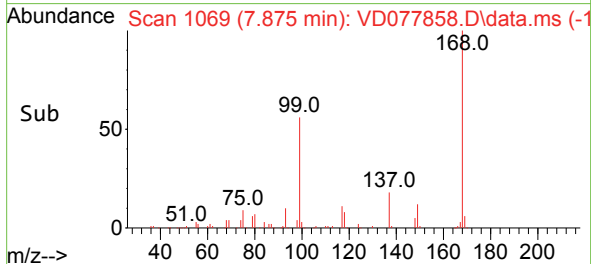
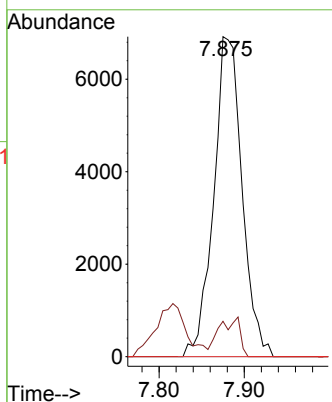


#36
1,1-Dichloropropene
Concen: 4.292 ug/l
RT: 7.875 min Scan# 1071
Delta R.T. -0.129 min
Lab File: VD077858.D
Acq: 13 Dec 2023 13:23

Instrument :
MSVOA_D
ClientSampleId :

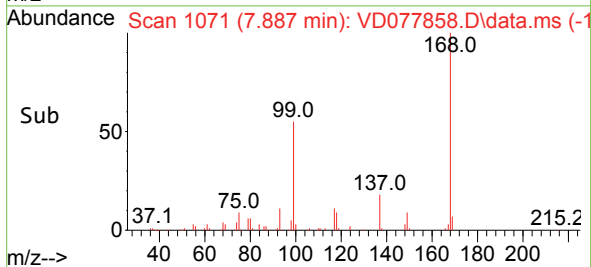
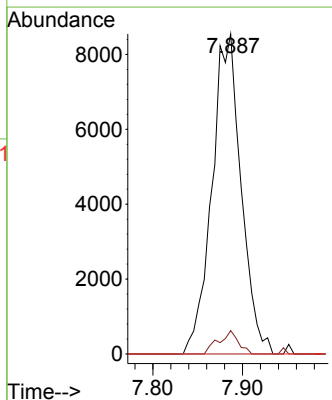
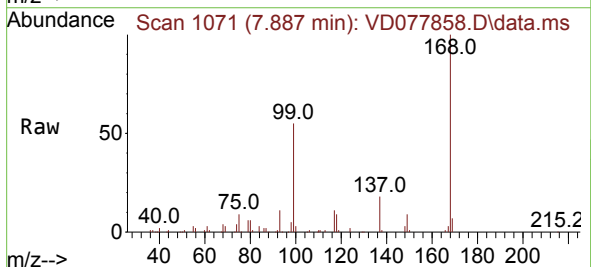


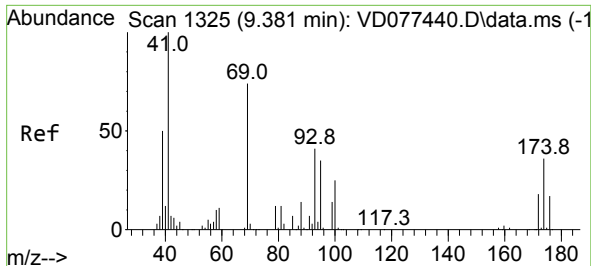
Tgt Ion: 75 Resp: 16007
Ion Ratio Lower Upper
75 100
110 9.0 19.9 59.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.188 ug/l
RT: 7.887 min Scan# 1071
Delta R.T. -0.106 min
Lab File: VD077858.D
Acq: 13 Dec 2023 13:23

Tgt Ion: 117 Resp: 19290
Ion Ratio Lower Upper
117 100
119 7.3 78.0 117.0#
121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 3.994 ug/l

RT: 9.245 min Scan# 11

Delta R.T. -0.136 min

Lab File: VD077858.D

Acq: 13 Dec 2023 13:23

Instrument :

MSVOA_D

ClientSampleId :

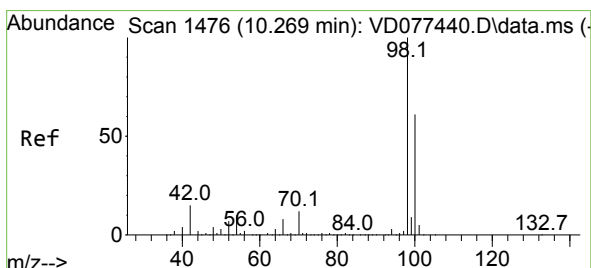
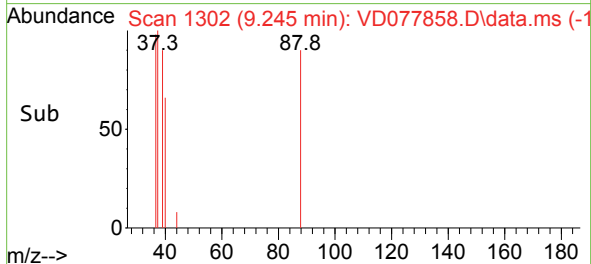
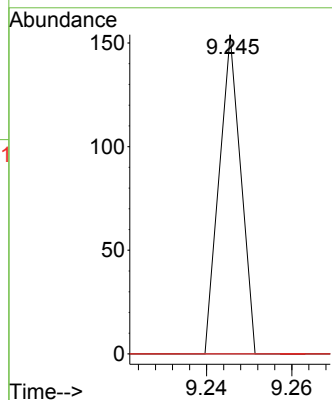
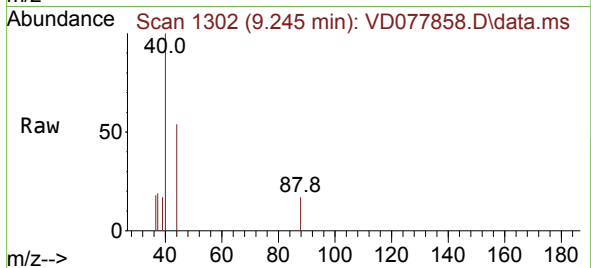
Tgt Ion: 88 Resp: 54

Ion Ratio Lower Upper

88 100

43 0.0 19.0 28.6#

58 0.0 43.5 65.3#



#50

Toluene-d8

Concen: 45.451 ug/l

RT: 10.275 min Scan# 1477

Delta R.T. 0.006 min

Lab File: VD077858.D

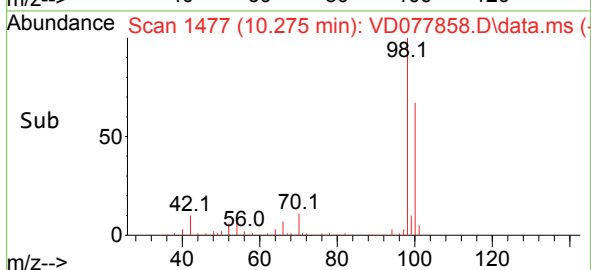
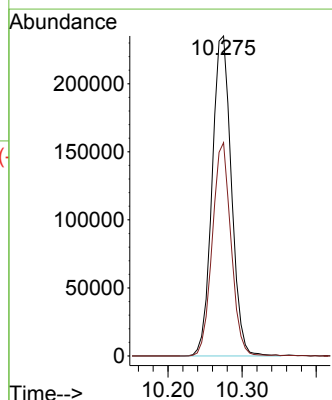
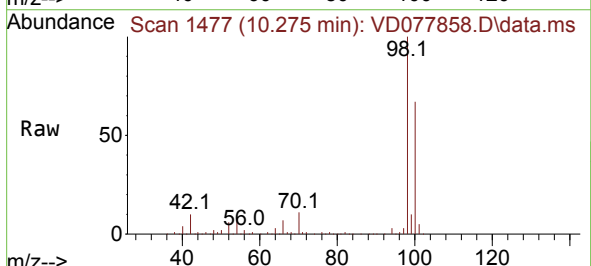
Acq: 13 Dec 2023 13:23

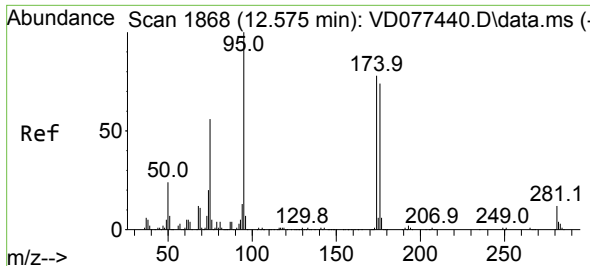
Tgt Ion: 98 Resp: 424451

Ion Ratio Lower Upper

98 100

100 64.5 50.3 75.5

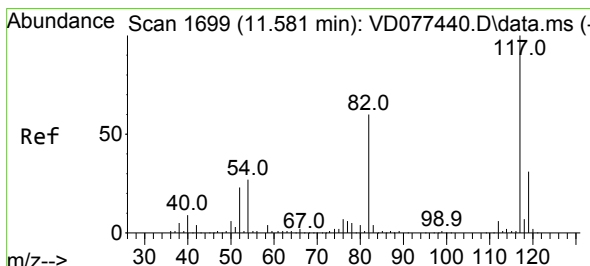
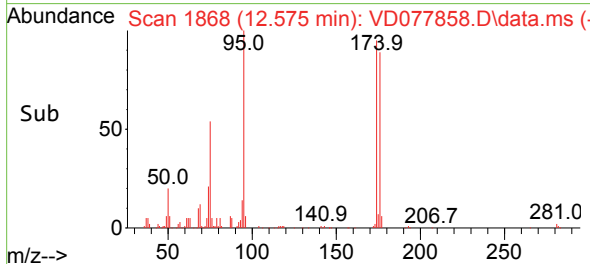
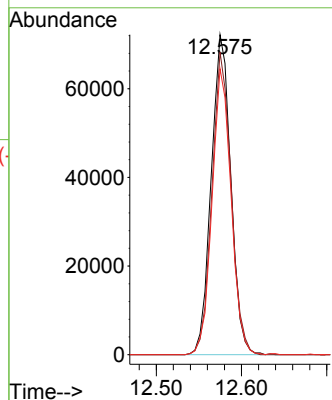
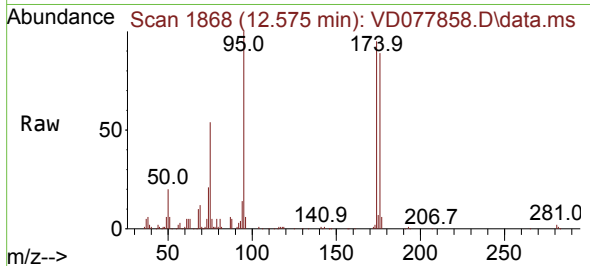




#62
4-Bromofluorobenzene
Concen: 41.296 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077858.D
Acq: 13 Dec 2023 13:23

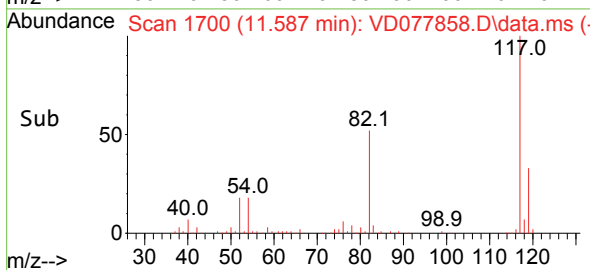
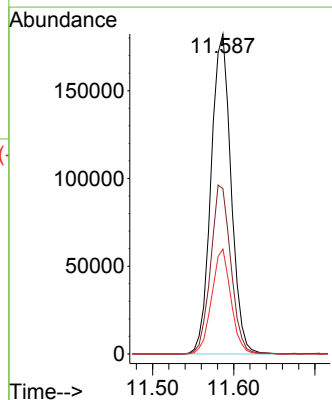
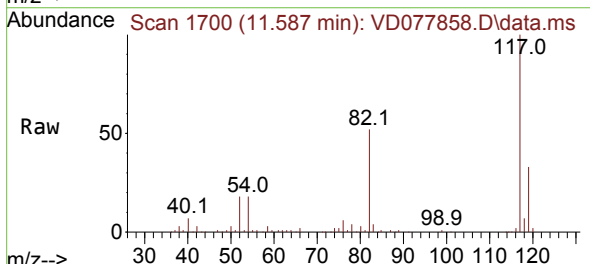
Instrument :
MSVOA_D
ClientSampleId :

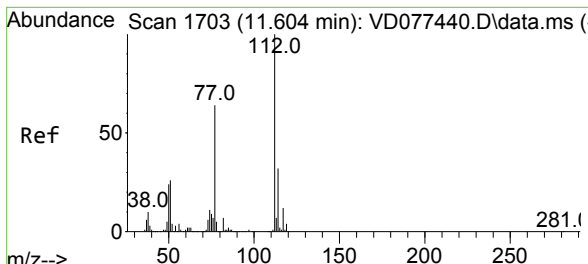
Tgt Ion: 95 Resp: 115299
Ion Ratio Lower Upper
95 100
174 92.6 0.0 201.8
176 86.9 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VD077858.D
Acq: 13 Dec 2023 13:23

Tgt Ion: 117 Resp: 312672
Ion Ratio Lower Upper
117 100
82 51.7 38.3 57.5
119 32.8 25.0 37.4

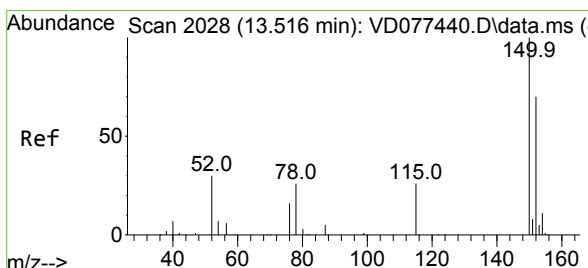
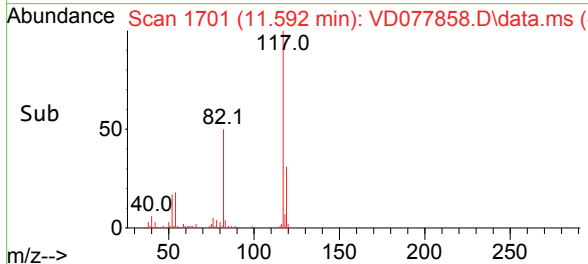
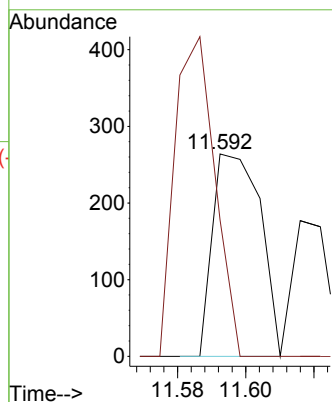
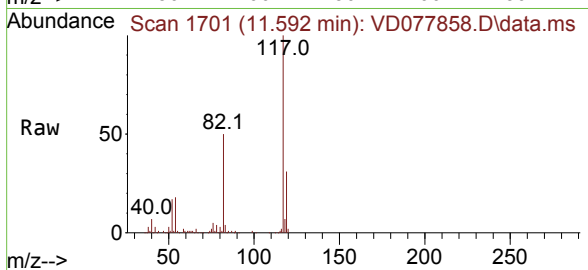




#65
Chlorobenzene
Concen: Below Cal
RT: 11.592 min Scan# 11
Delta R.T. -0.012 min
Lab File: VD077858.D
Acq: 13 Dec 2023 13:23

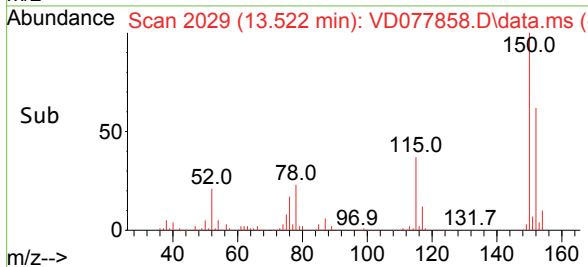
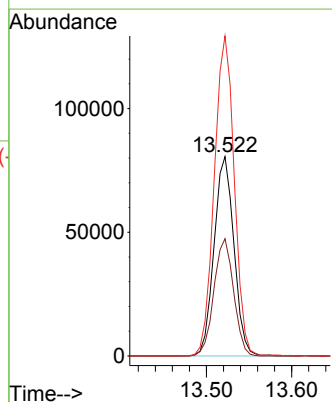
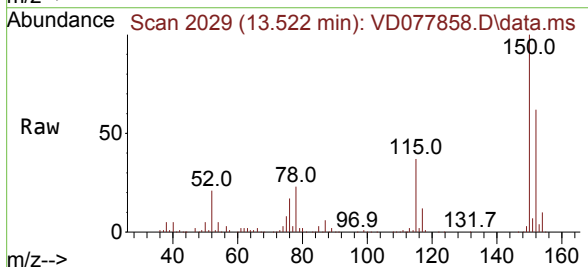
Instrument :
MSVOA_D
ClientSampleId :

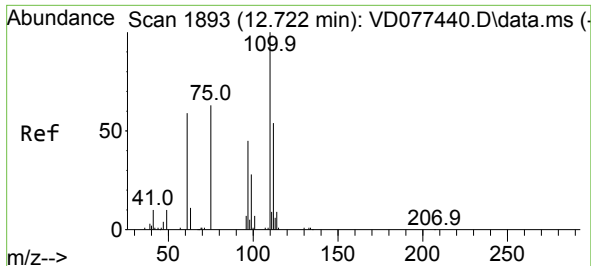
Tgt Ion:112 Resp: 256
Ion Ratio Lower Upper
112 100
114 67.4 25.1 37.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD077858.D
Acq: 13 Dec 2023 13:23

Tgt Ion:152 Resp: 130570
Ion Ratio Lower Upper
152 100
115 58.2 27.1 81.3
150 161.3 0.0 353.6

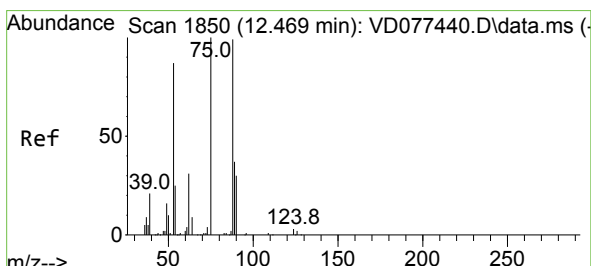
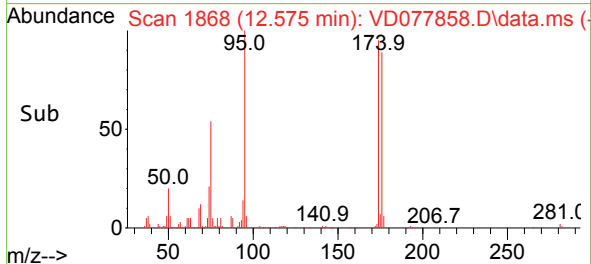
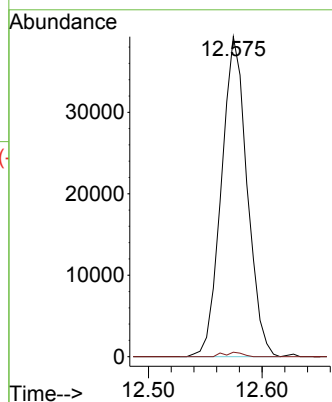
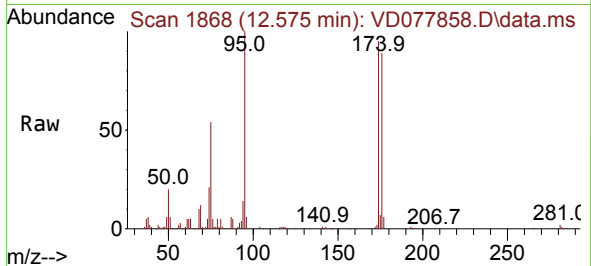




#76
1,2,3-Trichloropropane
Concen: 54.591 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077858.D
Acq: 13 Dec 2023 13:23

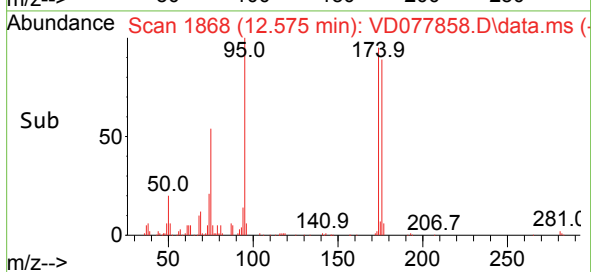
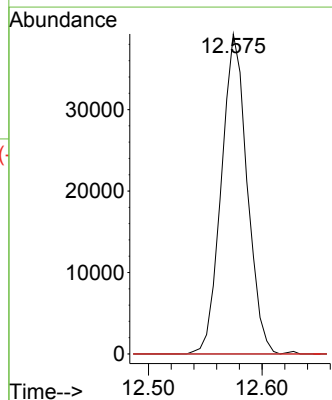
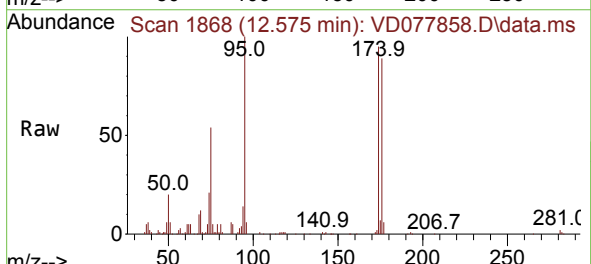
Instrument :
MSVOA_D
ClientSampleId :

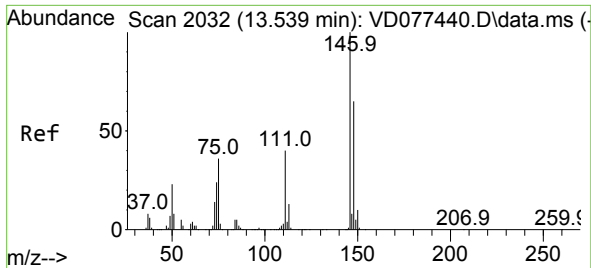
Tgt Ion: 75 Resp: 61907
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 110.606 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077858.D
Acq: 13 Dec 2023 13:23

Tgt Ion: 75 Resp: 61907
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: 13.534 min Scan# 2031

Delta R.T. -0.005 min

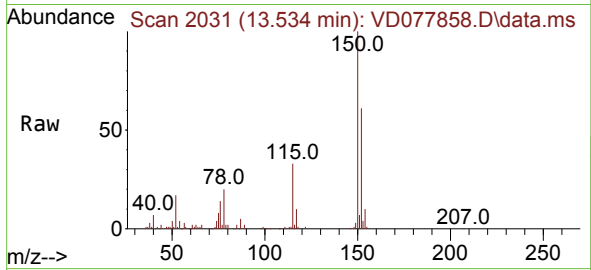
Lab File: VD077858.D

Acq: 13 Dec 2023 13:23

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	146	Resp:	257
Ion	Ratio	Lower	Upper
146	100		
111	0.0	17.4	52.3#
148	0.0	31.7	95.1#

