

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122623\
 Data File : VD078082.D
 Acq On : 26 Dec 2023 14:25
 Operator : RP/MD
 Sample : VIBLK
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Dec 27 03:17:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122623S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 27 03:06:15 2023
 Response via : Initial Calibration

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

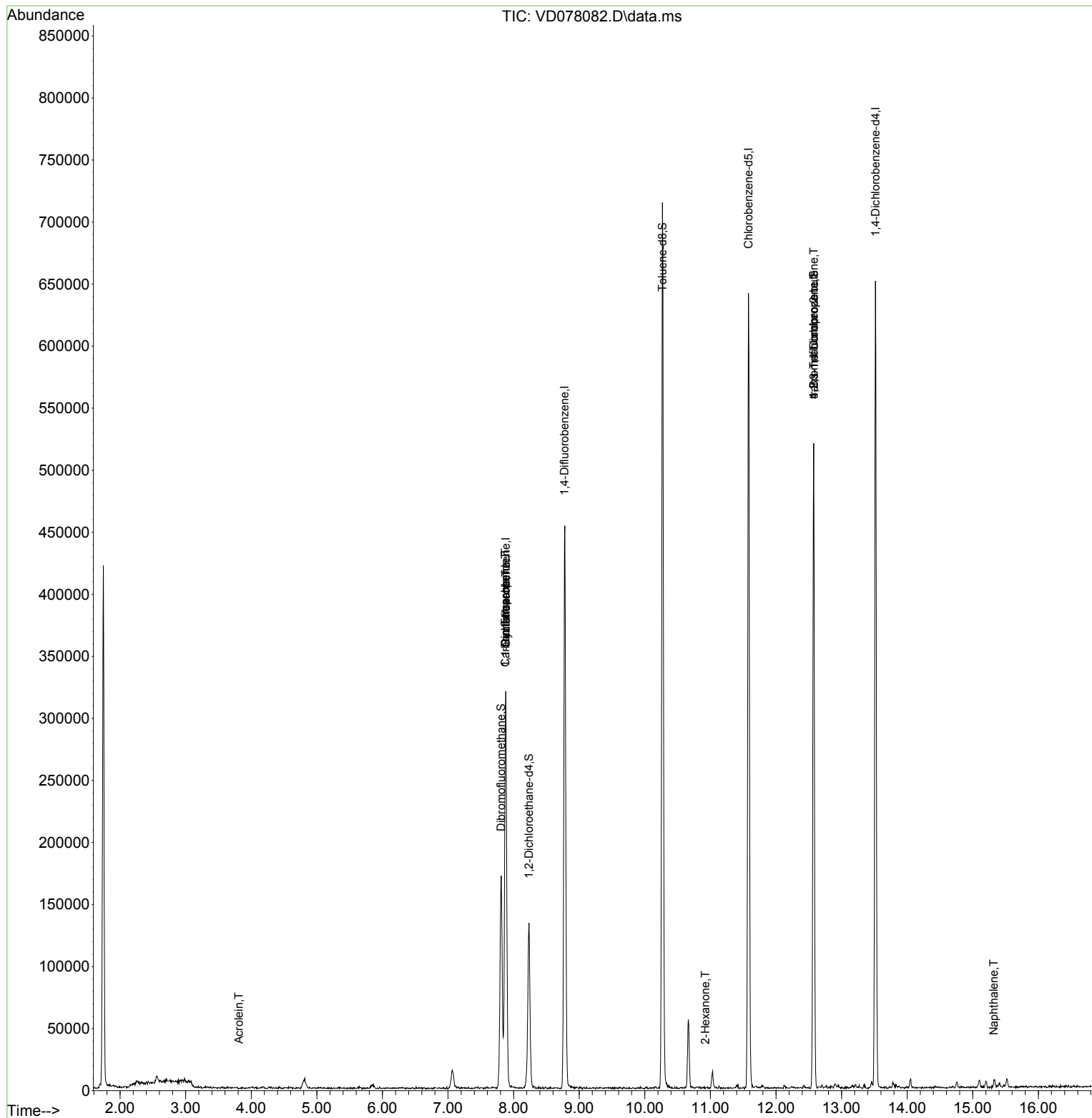
Internal Standards						
1) Pentafluorobenzene	7.881	168	255541	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	414915	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	390264	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	180075	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	103225	45.399	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.800%
35) Dibromofluoromethane	7.810	113	124703	46.711	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.420%
50) Toluene-d8	10.269	98	505289	53.789	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	107.580%
62) 4-Bromofluorobenzene	12.575	95	150179	49.686	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	99.380%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.046	59	53	Below Cal	#	73
13) Acrolein	3.811	56	120	1.002	ug/l	91
16) Acetone	4.017	43	433	Below Cal	#	1
20) Methylene Chloride	4.816	84	5528	Below Cal	#	87
25) 2-Butanone	7.105	43	198	Below Cal	#	37
31) Cyclohexane	7.881	56	4440	1.224	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	18582	4.947	ug/l #	47
38) Carbon Tetrachloride	7.875	117	24378	5.989	ug/l #	15
59) 2-Hexanone	10.922	43	1044	1.047	ug/l #	25
76) 1,2,3-Trichloropropane	12.575	75	79418	52.275	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	79418	112.641	ug/l #	17
95) Naphthalene	15.322	128	6550	1.099	ug/l #	85

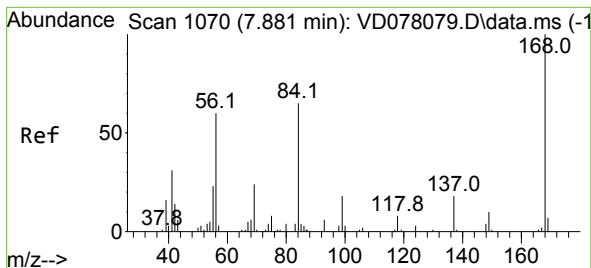
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD078082.D

Acq: 26 Dec 2023 14:25

Instrument :

MSVOA_D

ClientSampleId :

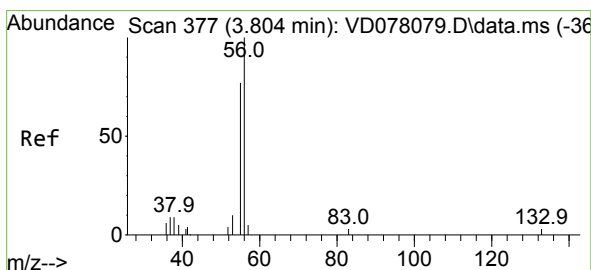
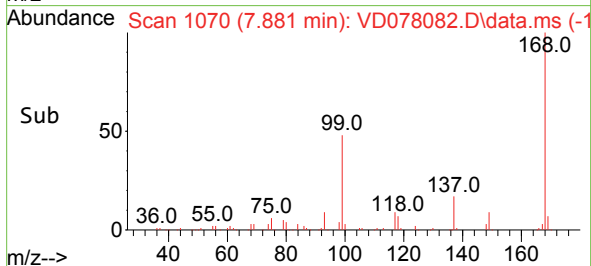
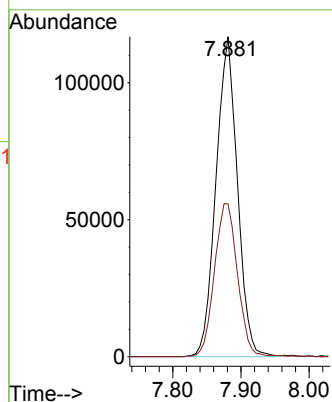
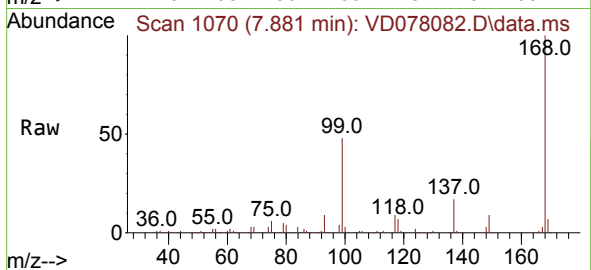
VIBLK

Tgt Ion:168 Resp: 255541

Ion Ratio Lower Upper

168 100

99 47.8 36.7 55.1



#13

Acrolein

Concen: 1.002 ug/l

RT: 3.811 min Scan# 378

Delta R.T. 0.007 min

Lab File: VD078082.D

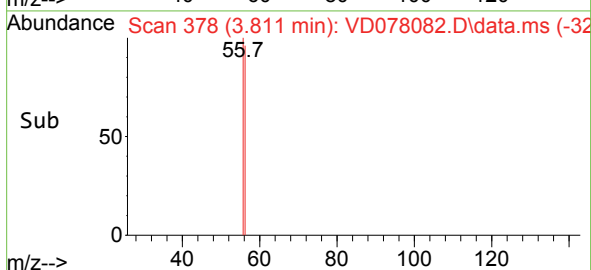
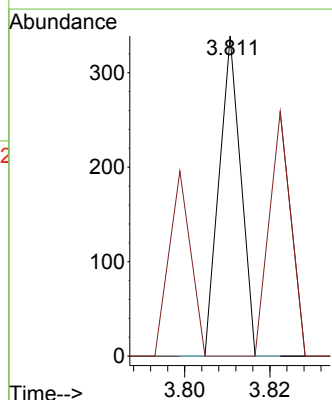
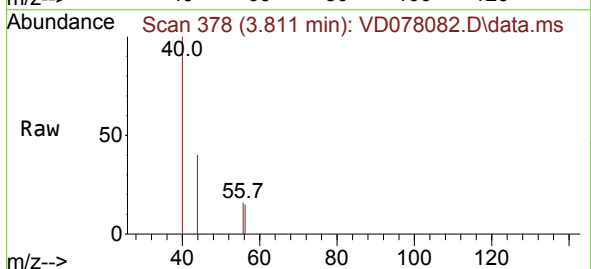
Acq: 26 Dec 2023 14:25

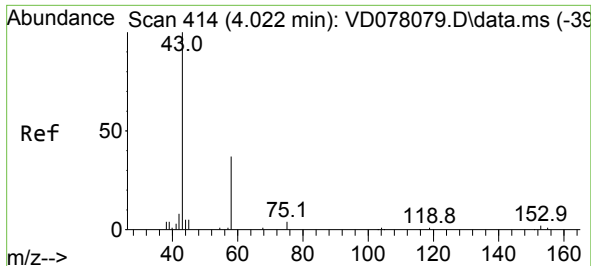
Tgt Ion: 56 Resp: 120

Ion Ratio Lower Upper

56 100

55 75.8 55.1 82.7

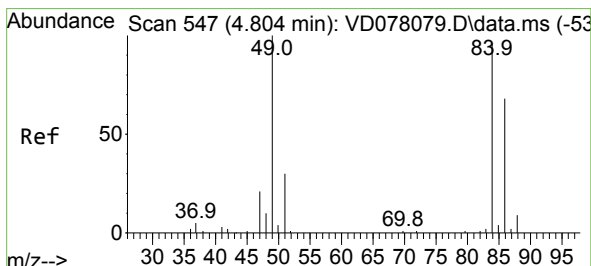
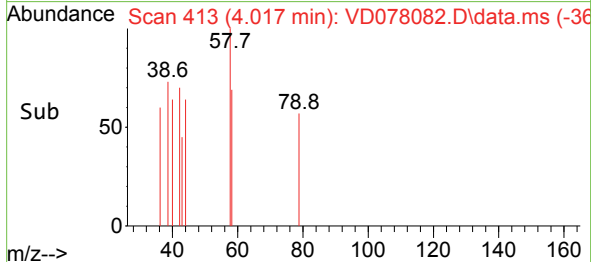
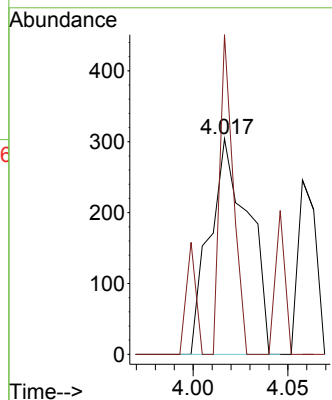
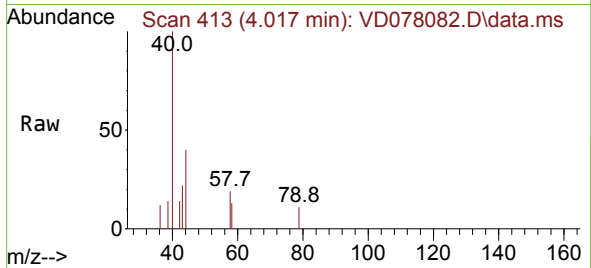




#16
Acetone
Concen: Below Cal
RT: 4.017 min Scan# 414
Delta R.T. -0.005 min
Lab File: VD078082.D
Acq: 26 Dec 2023 14:25

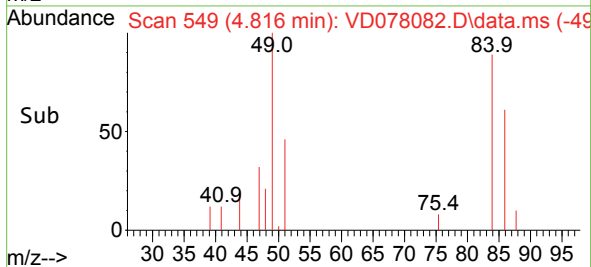
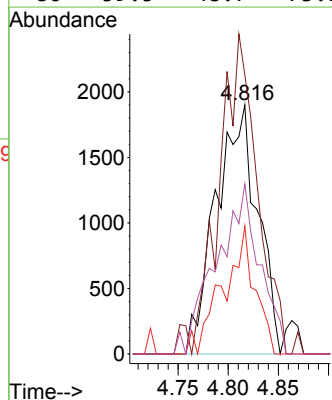
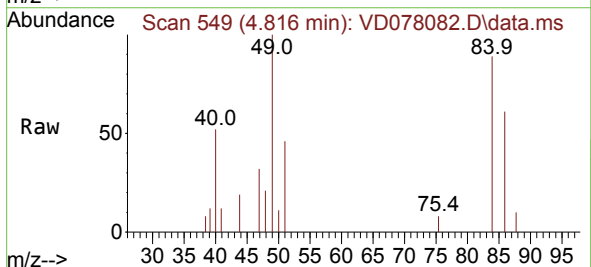
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

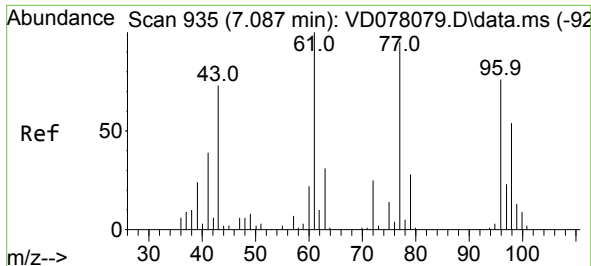
Tgt Ion: 43 Resp: 433
Ion Ratio Lower Upper
43 100
58 148.4 34.7 52.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.816 min Scan# 549
Delta R.T. 0.012 min
Lab File: VD078082.D
Acq: 26 Dec 2023 14:25

Tgt Ion: 84 Resp: 5528
Ion Ratio Lower Upper
84 100
49 100.2 71.4 107.2
51 51.3 24.5 36.7#
86 59.5 48.7 73.1

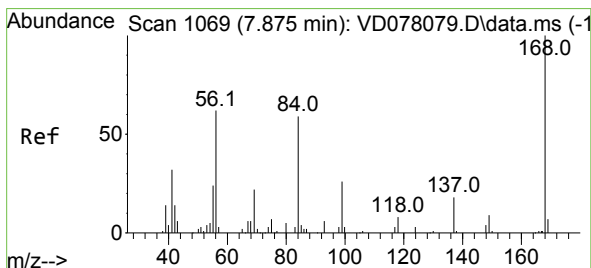
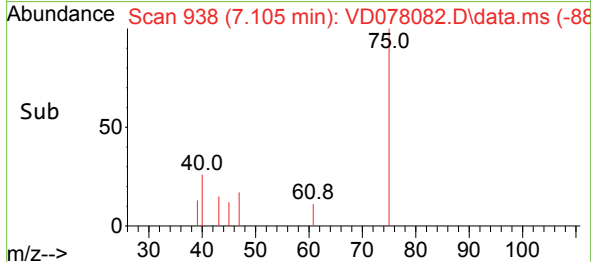
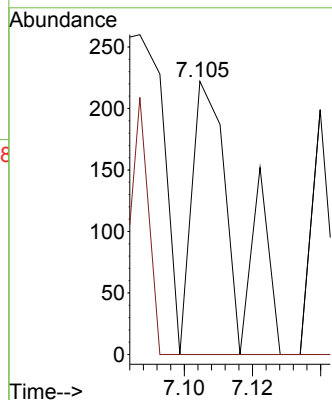
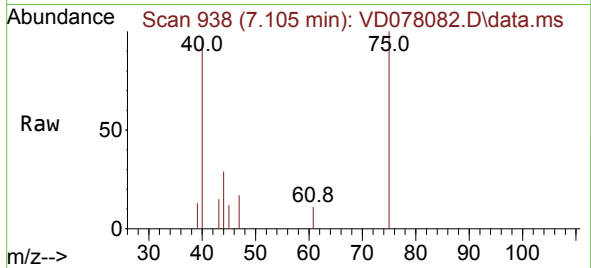




#25
2-Butanone
Concen: Below Cal
RT: 7.105 min Scan# 91
Delta R.T. 0.018 min
Lab File: VD078082.D
Acq: 26 Dec 2023 14:25

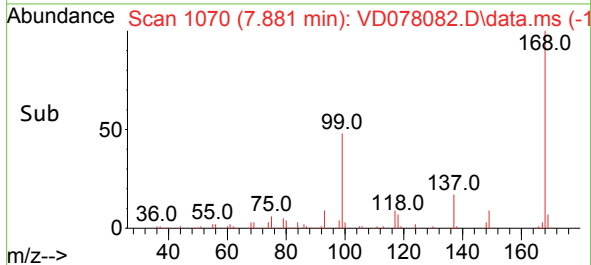
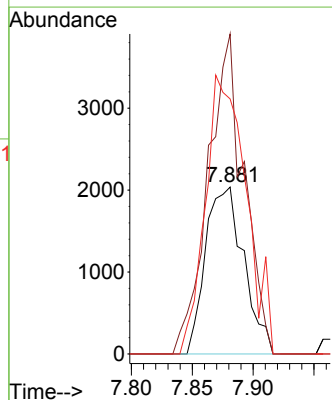
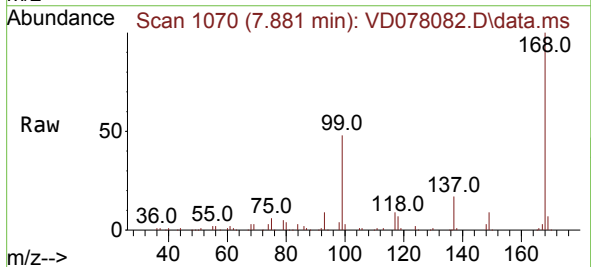
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

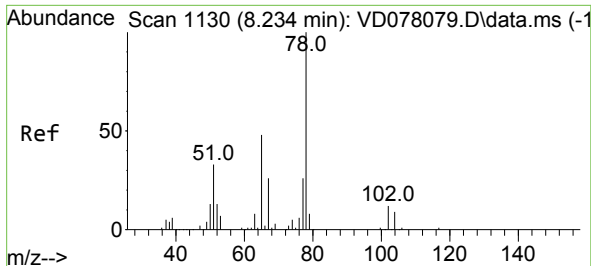
Tgt Ion: 43 Resp: 198
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.224 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD078082.D
Acq: 26 Dec 2023 14:25

Tgt Ion: 56 Resp: 4440
Ion Ratio Lower Upper
56 100
69 191.7 28.6 43.0#
84 152.8 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 45.399 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD078082.D

Acq: 26 Dec 2023 14:25

Instrument :

MSVOA_D

ClientSampleId :

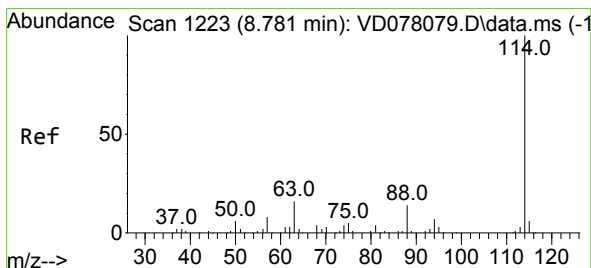
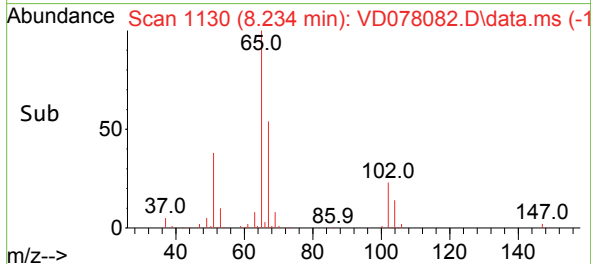
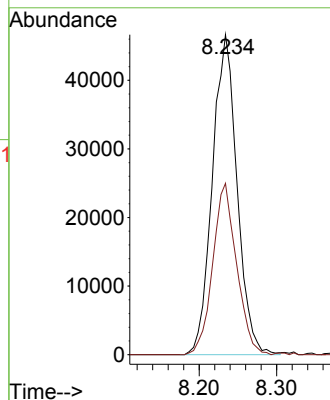
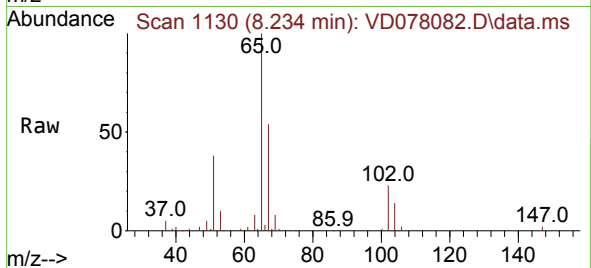
VIBLK

Tgt Ion: 65 Resp: 103225

Ion Ratio Lower Upper

65 100

67 51.7 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: VD078082.D

Acq: 26 Dec 2023 14:25

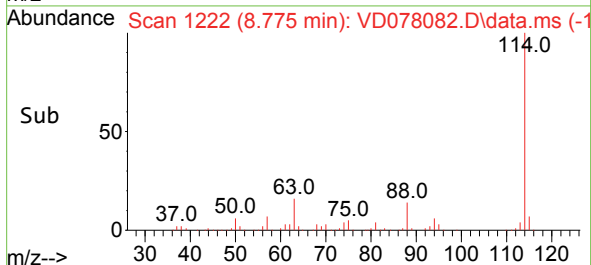
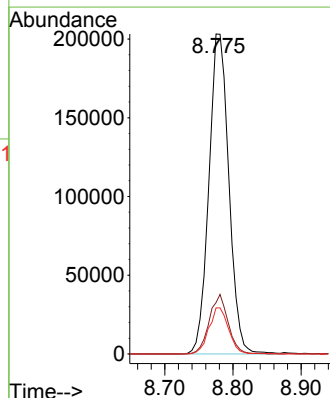
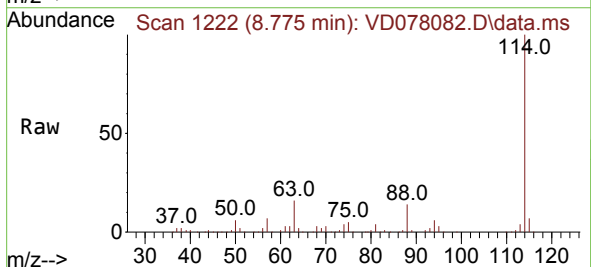
Tgt Ion: 114 Resp: 414915

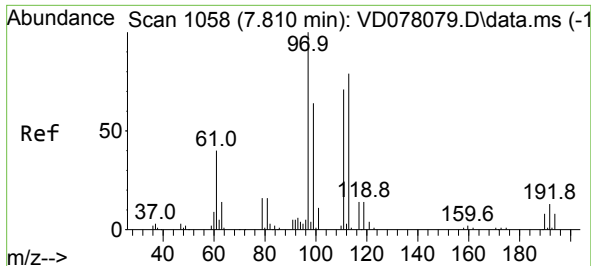
Ion Ratio Lower Upper

114 100

63 16.1 0.0 33.4

88 14.4 0.0 26.2





#35

Dibromofluoromethane

Concen: 46.711 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VD078082.D

Acq: 26 Dec 2023 14:25

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

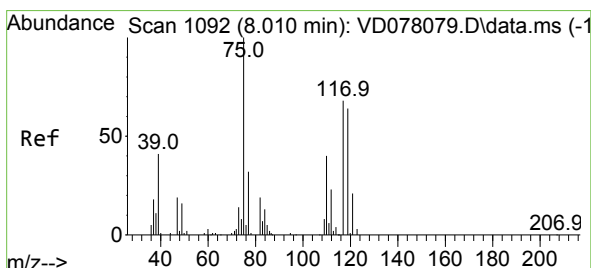
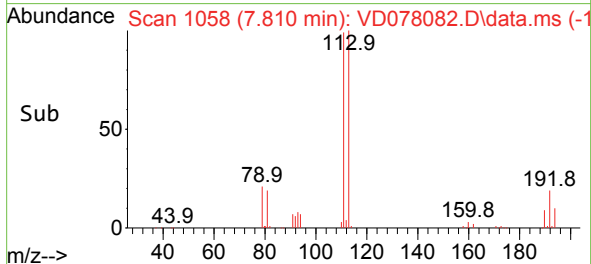
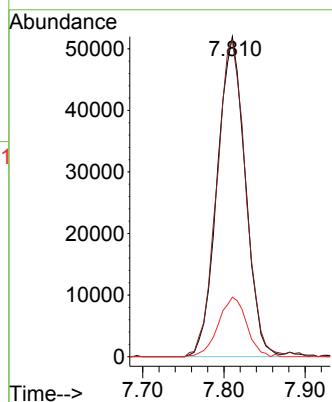
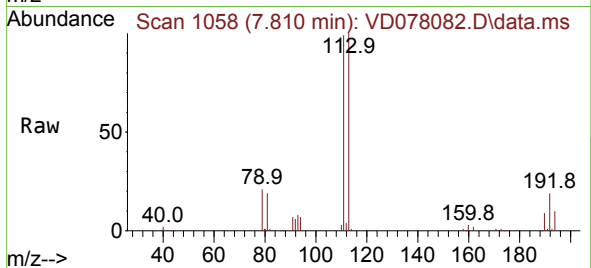
Tgt Ion:113 Resp: 124703

Ion Ratio Lower Upper

113 100

111 101.4 84.7 127.1

192 18.8 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.947 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD078082.D

Acq: 26 Dec 2023 14:25

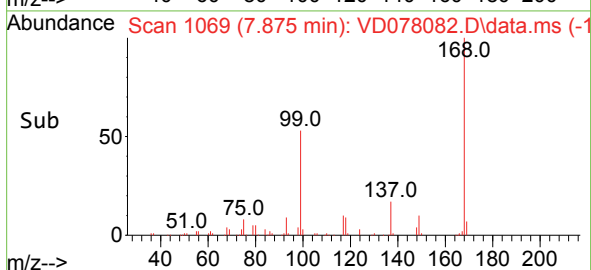
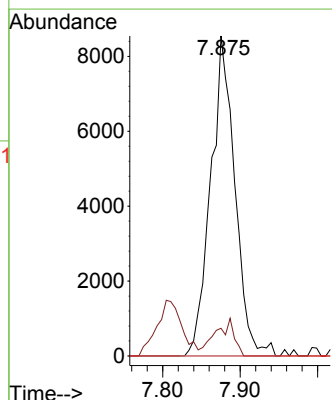
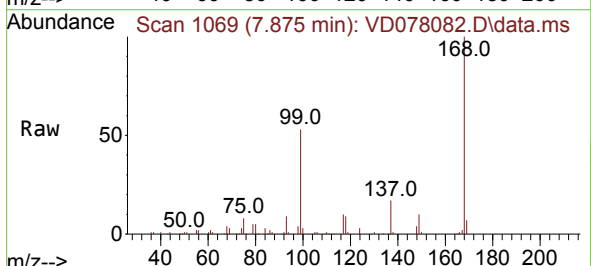
Tgt Ion: 75 Resp: 18582

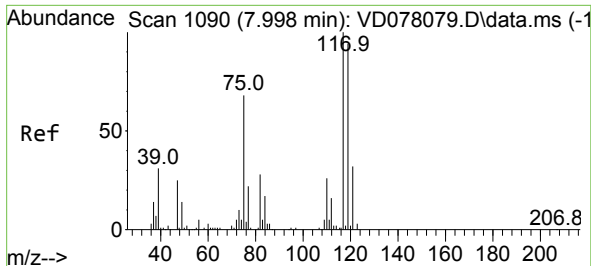
Ion Ratio Lower Upper

75 100

110 9.2 19.9 59.6#

77 0.0 24.7 37.1#

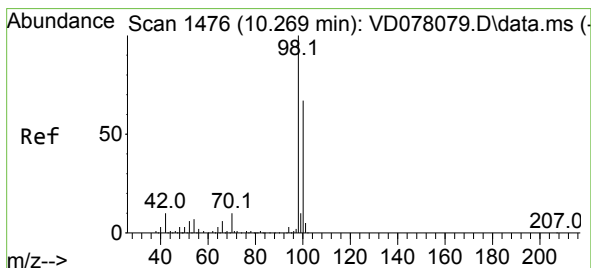
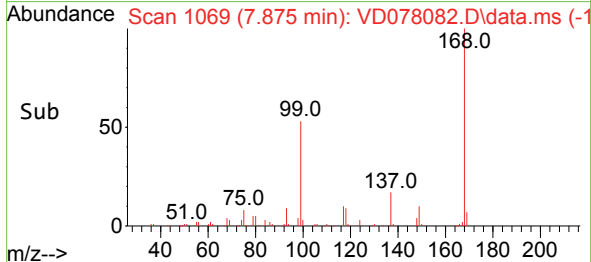
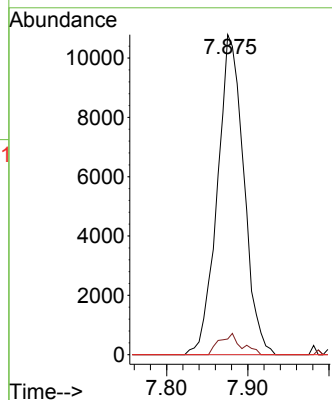
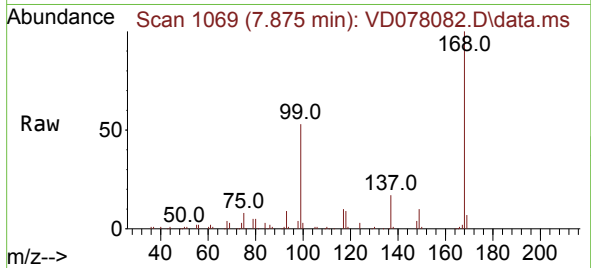




#38
Carbon Tetrachloride
Concen: 5.989 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.123 min
Lab File: VD078082.D
Acq: 26 Dec 2023 14:25

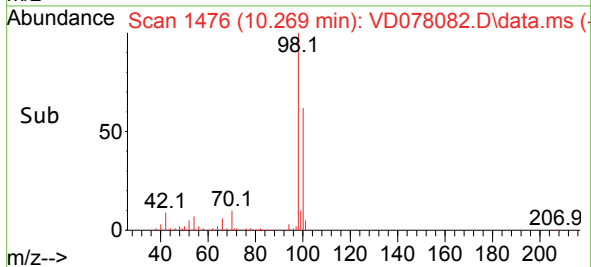
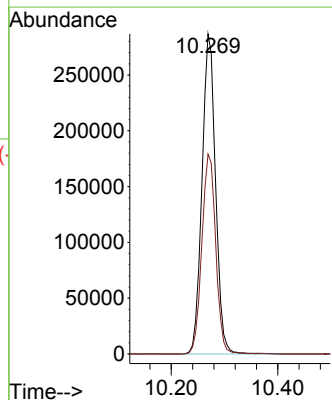
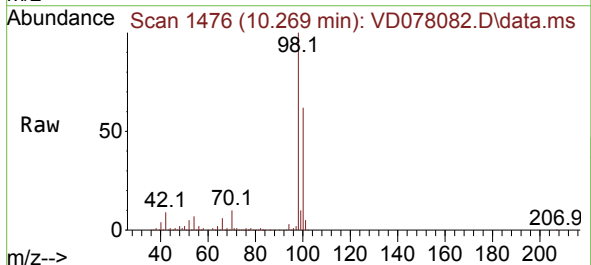
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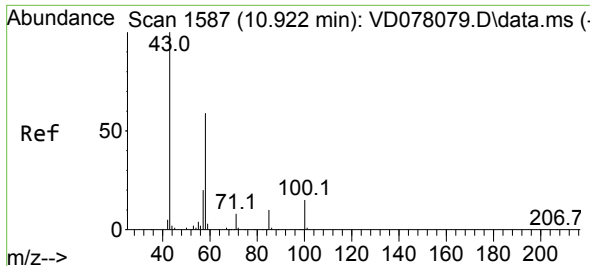
Tgt Ion:117 Resp: 24378
Ion Ratio Lower Upper
117 100
119 4.9 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 53.789 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078082.D
Acq: 26 Dec 2023 14:25

Tgt Ion: 98 Resp: 505289
Ion Ratio Lower Upper
98 100
100 64.0 50.3 75.5

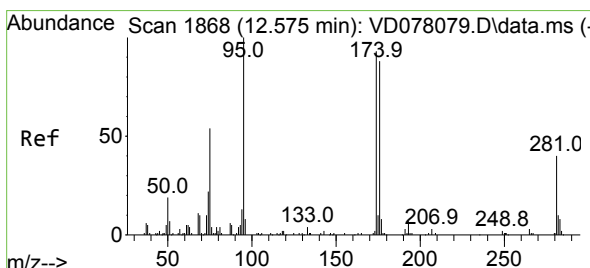
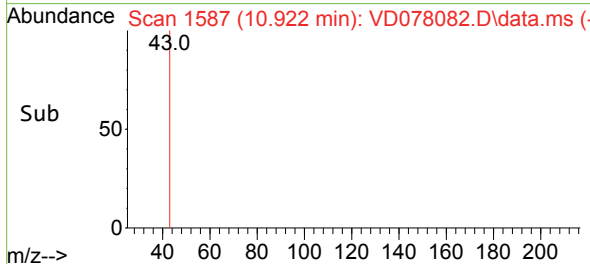
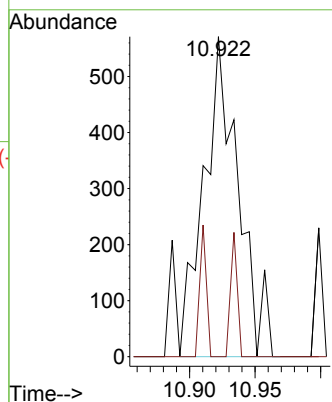
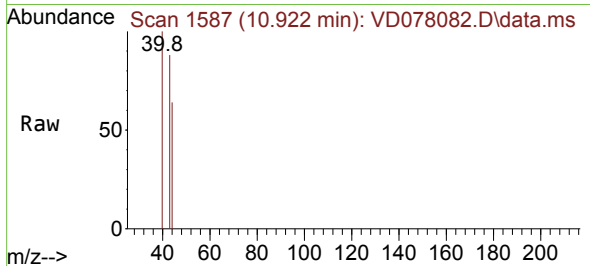




#59
2-Hexanone
Concen: 1.047 ug/l
RT: 10.922 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078082.D
Acq: 26 Dec 2023 14:25

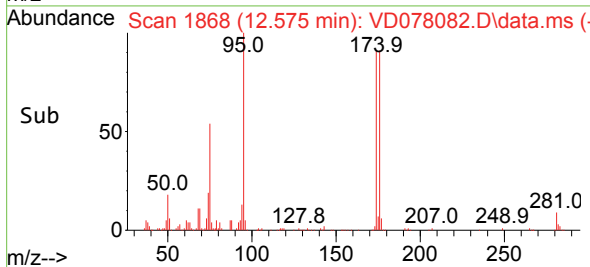
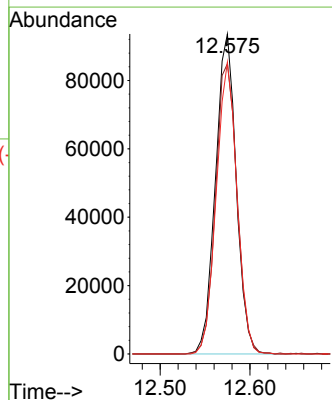
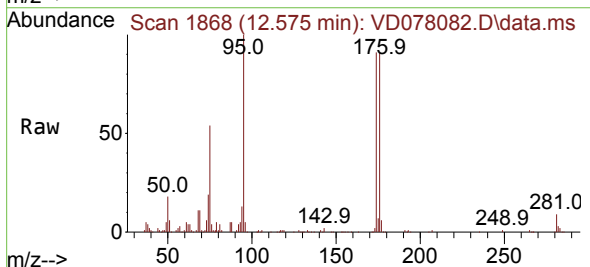
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

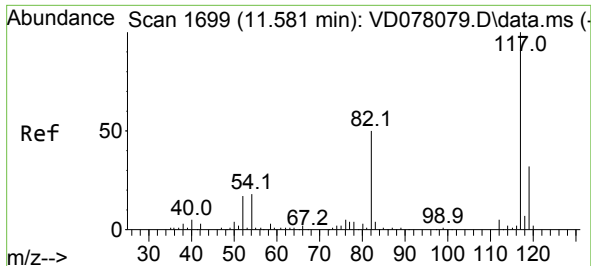
Tgt Ion: 43 Resp: 1044
Ion Ratio Lower Upper
43 100
58 7.5 34.1 102.2#



#62
4-Bromofluorobenzene
Concen: 49.686 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD078082.D
Acq: 26 Dec 2023 14:25

Tgt Ion: 95 Resp: 150179
Ion Ratio Lower Upper
95 100
174 93.9 0.0 201.8
176 91.1 0.0 191.8

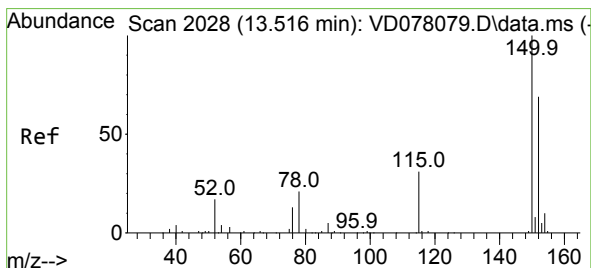
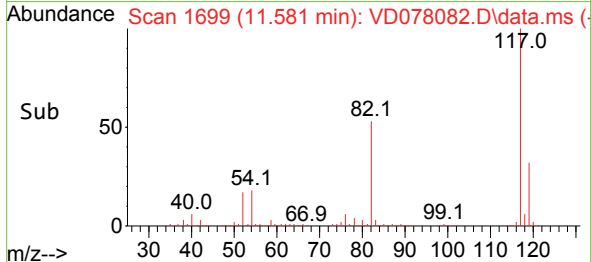
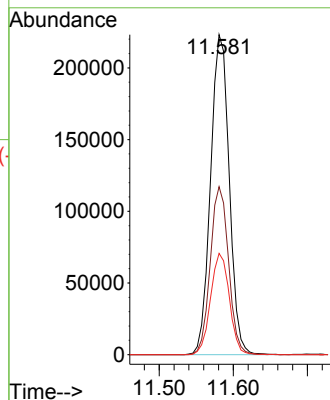
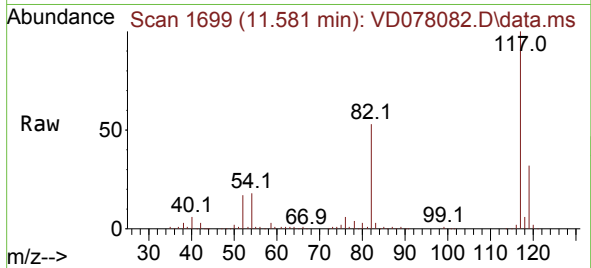




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD078082.D
Acq: 26 Dec 2023 14:25

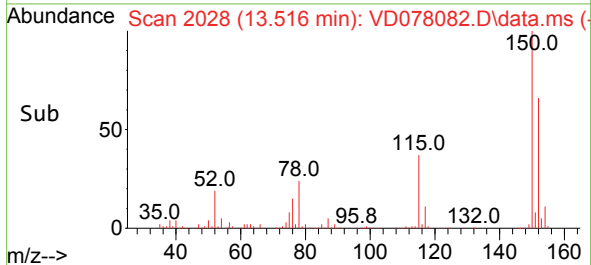
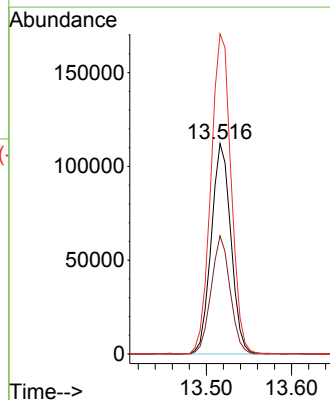
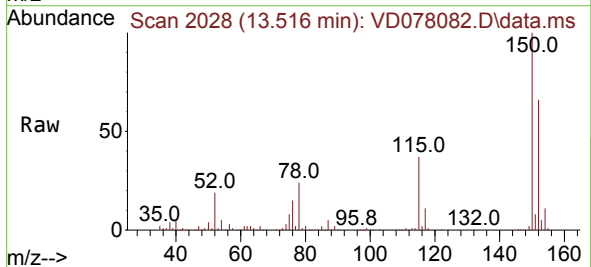
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

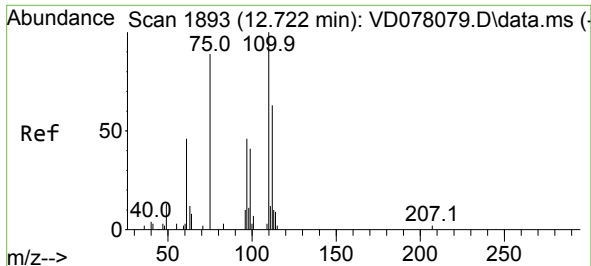
Tgt Ion:117 Resp: 390264
Ion Ratio Lower Upper
117 100
82 52.5 38.3 57.5
119 31.6 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD078082.D
Acq: 26 Dec 2023 14:25

Tgt Ion:152 Resp: 180075
Ion Ratio Lower Upper
152 100
115 54.4 27.1 81.3
150 156.3 0.0 353.6

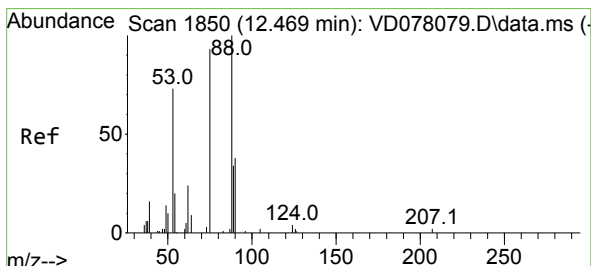
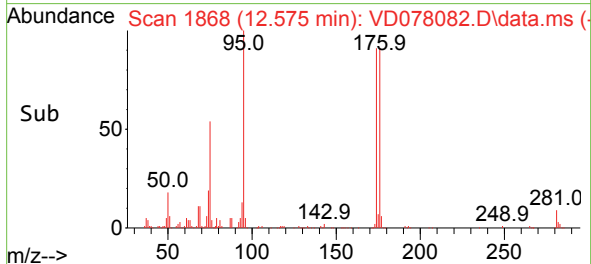
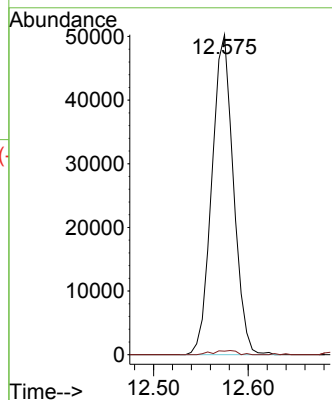
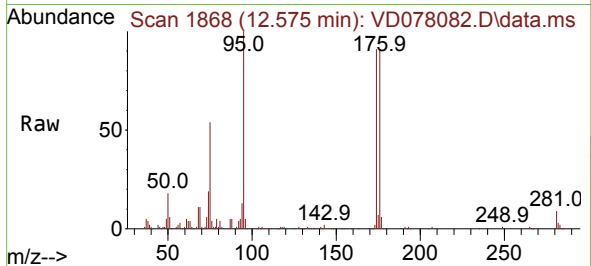




#76
1,2,3-Trichloropropane
Concen: 52.275 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD078082.D
Acq: 26 Dec 2023 14:25

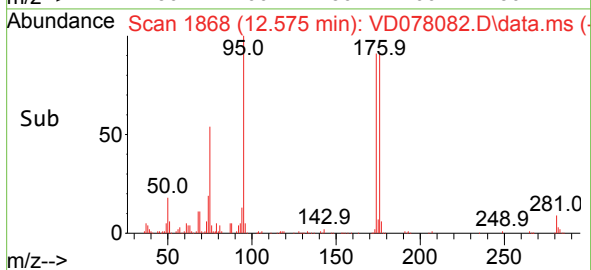
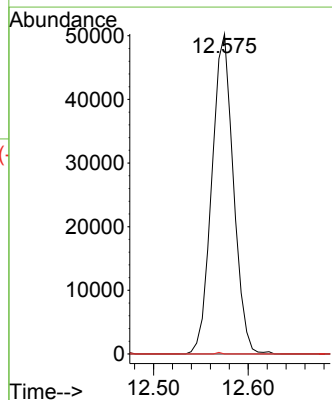
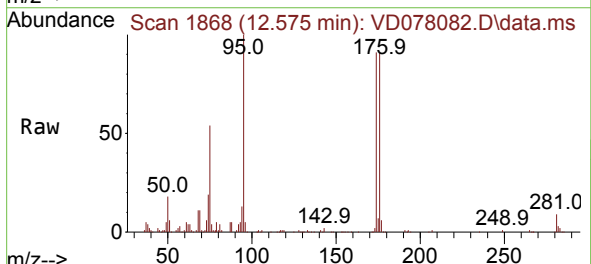
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

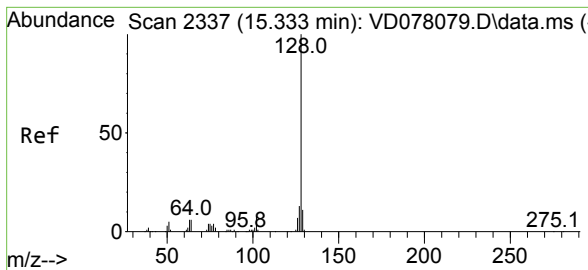
Tgt Ion: 75 Resp: 79418
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.641 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078082.D
Acq: 26 Dec 2023 14:25

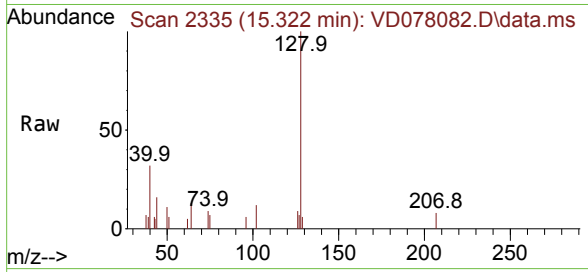
Tgt Ion: 75 Resp: 79418
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.1 37.9 56.9#





#95
 Naphthalene
 Concen: 1.099 ug/l
 RT: 15.322 min Scan# 21
 Delta R.T. -0.011 min
 Lab File: VD078082.D
 Acq: 26 Dec 2023 14:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK



Tgt Ion:	128	Resp:	6550
Ion Ratio	Lower	Upper	
128	100		
127	6.6	10.5	15.7#
129	5.6	8.7	13.1#

