

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020824\
 Data File : VD078376.D
 Acq On : 08 Feb 2024 18:25
 Operator : RP/MD
 Sample : P1412-01
 Misc : 5.01G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 09 03:13:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D013024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 01 03:58:19 2024
 Response via : Initial Calibration

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

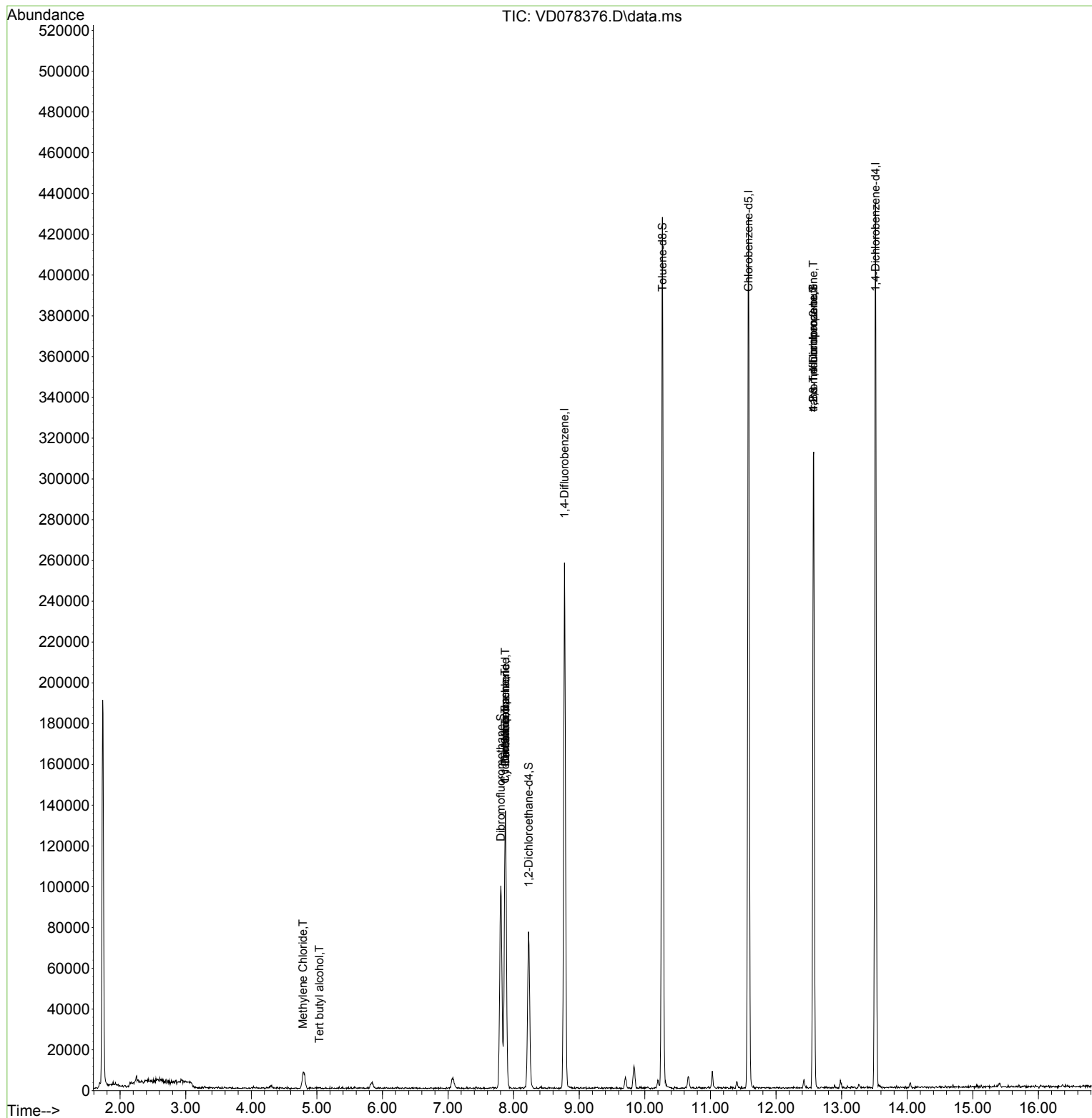
Internal Standards						
1) Pentafluorobenzene	7.875	168	98676	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	219162	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	239179	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	109055	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	58044	47.517	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.040%
35) Dibromofluoromethane	7.804	113	73931	47.383	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.760%
50) Toluene-d8	10.269	98	287807	48.721	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.440%
62) 4-Bromofluorobenzene	12.569	95	95662	54.075	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	108.140%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.040	59	82	1.052	ug/l	# 73
16) Acetone	4.016	43	282	Below Cal	#	32
20) Methylene Chloride	4.787	84	6196	1.430	ug/l	91
31) Cyclohexane	7.869	56	2441	1.067	ug/l	# 41
36) 1,1-Dichloropropene	7.869	75	8684	3.356	ug/l	# 47
38) Carbon Tetrachloride	7.875	117	10469	4.115	ug/l	# 15
76) 1,2,3-Trichloropropane	12.569	75	51991	45.613	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.569	75	51991	90.715	ug/l	# 17

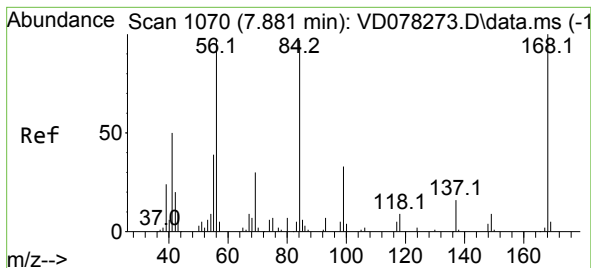
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_D
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Quant Time: Feb 09 03:13:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D013024S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 01 03:58:19 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD078376.D

Acq: 08 Feb 2024 18:25

Instrument :

MSVOA_D

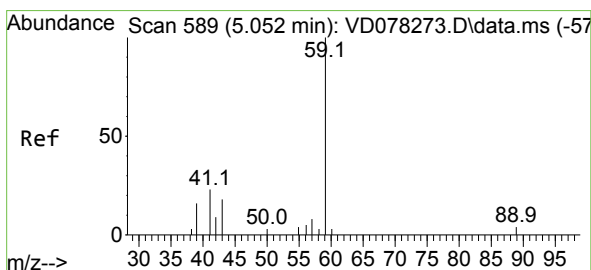
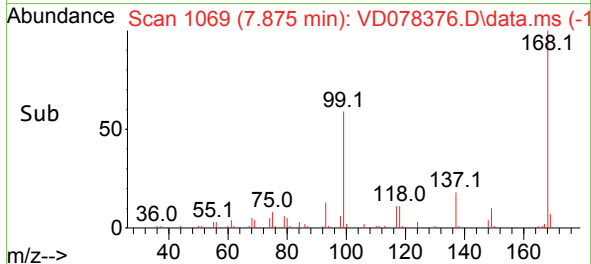
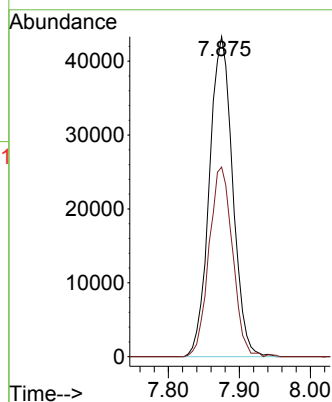
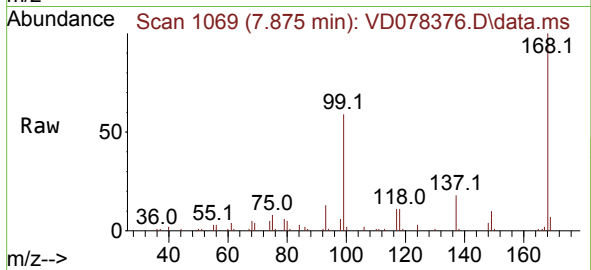
ClientSampleId :

Tgt Ion:168 Resp: 98676

Ion Ratio Lower Upper

168 100

99 59.2 36.7 55.1#



#11

Tert butyl alcohol

Concen: 1.052 ug/l

RT: 5.040 min Scan# 587

Delta R.T. -0.012 min

Lab File: VD078376.D

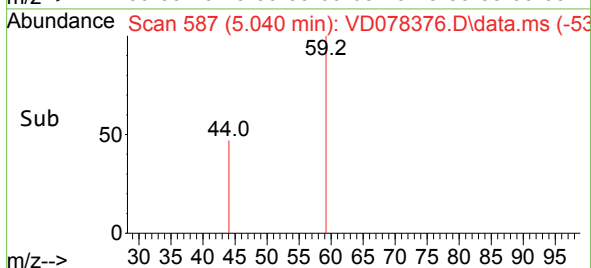
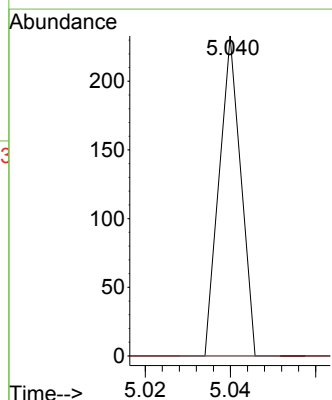
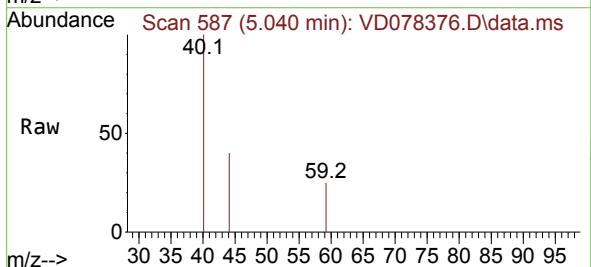
Acq: 08 Feb 2024 18:25

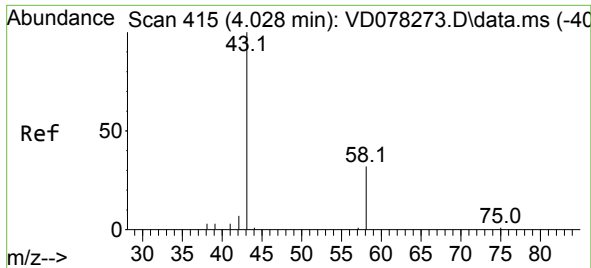
Tgt Ion: 59 Resp: 82

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#





#16

Acetone

Concen: Below Cal

RT: 4.016 min Scan# 41

Delta R.T. -0.012 min

Lab File: VD078376.D

Acq: 08 Feb 2024 18:25

Instrument :

MSVOA_D

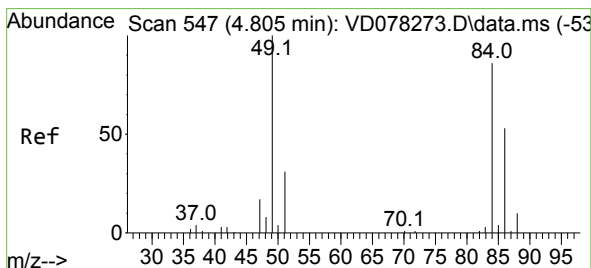
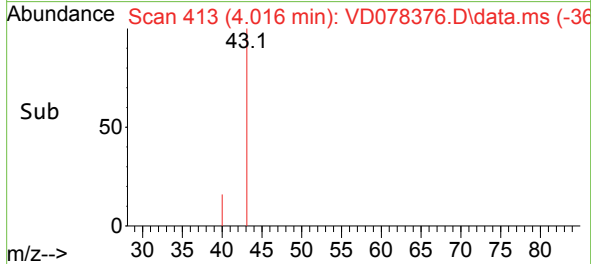
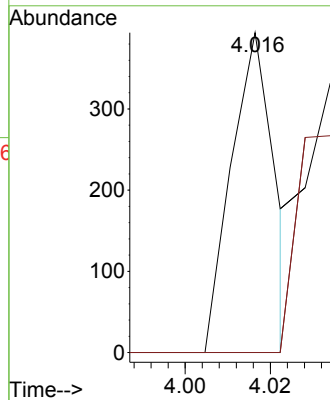
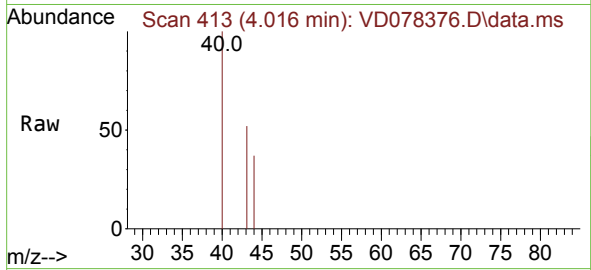
ClientSampleId :

Tgt Ion: 43 Resp: 282

Ion Ratio Lower Upper

43 100

58 0.0 34.7 52.1#



#20

Methylene Chloride

Concen: 1.430 ug/l

RT: 4.787 min Scan# 544

Delta R.T. -0.018 min

Lab File: VD078376.D

Acq: 08 Feb 2024 18:25

Tgt Ion: 84 Resp: 6196

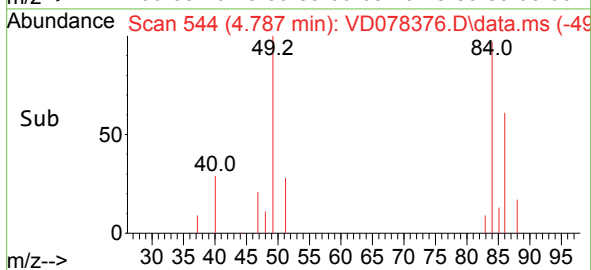
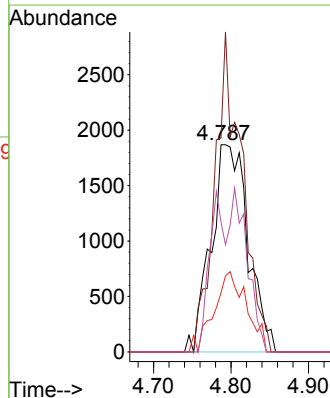
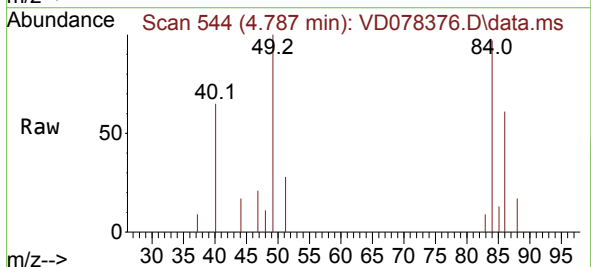
Ion Ratio Lower Upper

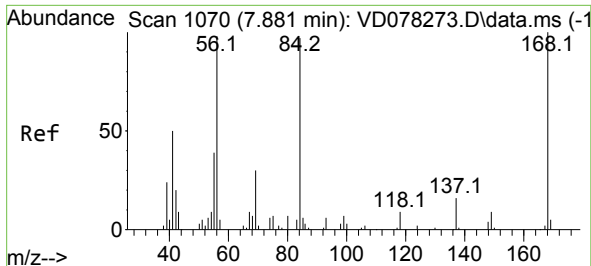
84 100

49 103.2 71.4 107.2

51 28.5 24.5 36.7

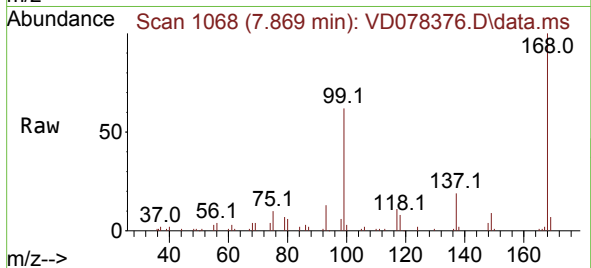
86 62.7 48.7 73.1



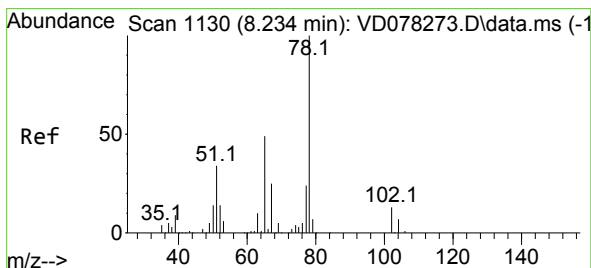
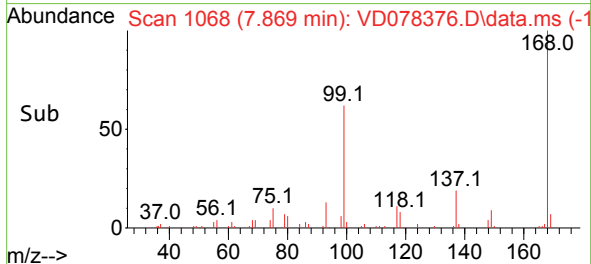
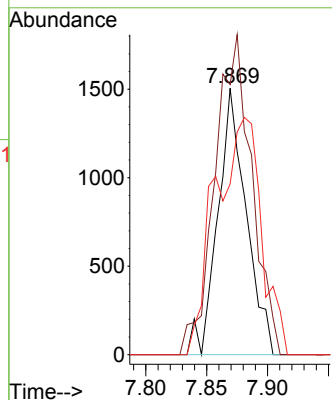


#31
Cyclohexane
Concen: 1.067 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.012 min
Lab File: VD078376.D
Acq: 08 Feb 2024 18:25

Instrument :
MSVOA_D
ClientSampleId :

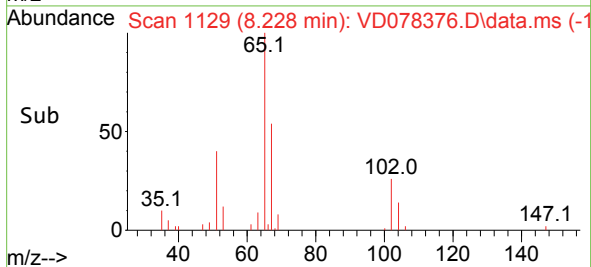
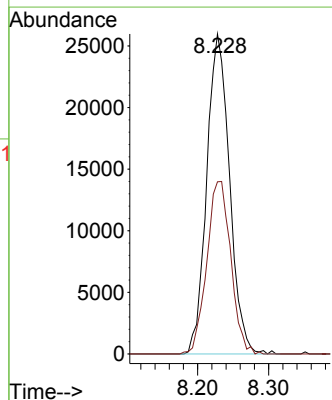
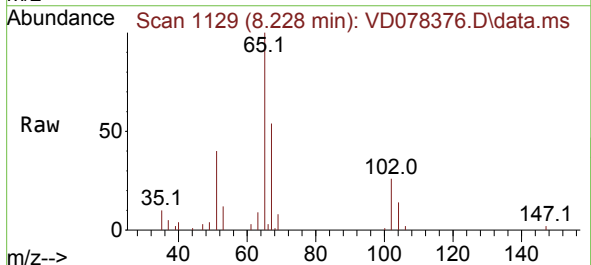


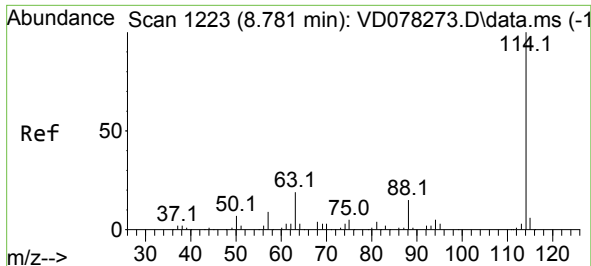
Tgt Ion: 56 Resp: 2441
Ion Ratio Lower Upper
56 100
69 101.4 28.6 43.0#
84 64.1 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 47.517 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD078376.D
Acq: 08 Feb 2024 18:25

Tgt Ion: 65 Resp: 58044
Ion Ratio Lower Upper
65 100
67 56.6 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD078376.D

Acq: 08 Feb 2024 18:25

Instrument :

MSVOA_D

ClientSampleId :

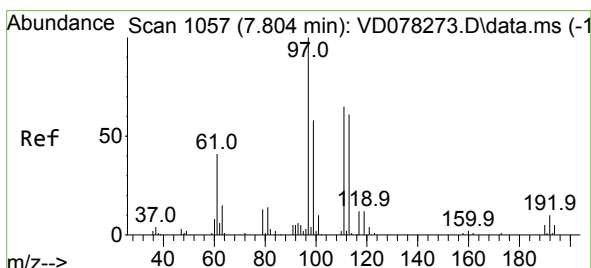
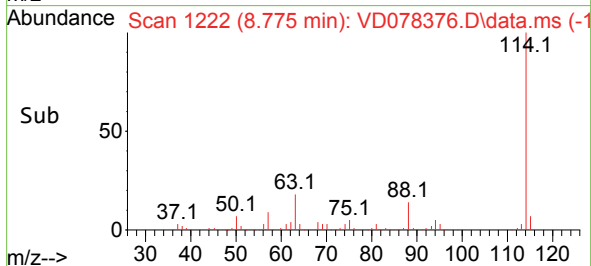
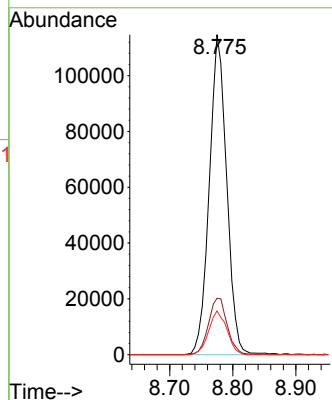
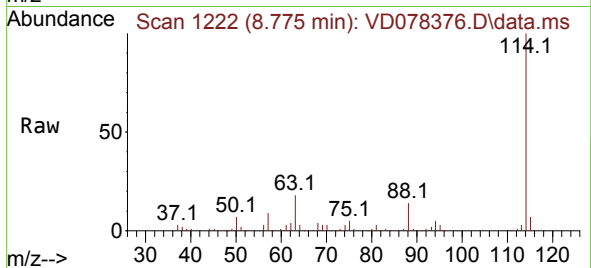
Tgt Ion:114 Resp: 219162

Ion Ratio Lower Upper

114 100

63 17.6 0.0 33.4

88 13.6 0.0 26.2



#35

Dibromofluoromethane

Concen: 47.383 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD078376.D

Acq: 08 Feb 2024 18:25

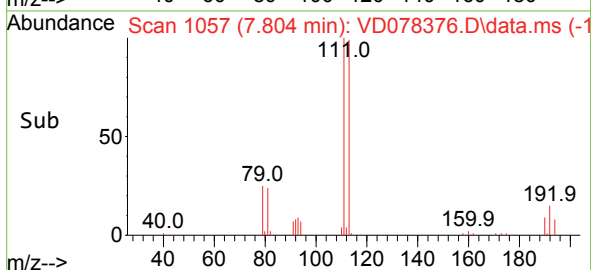
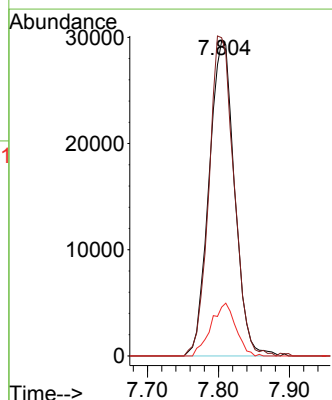
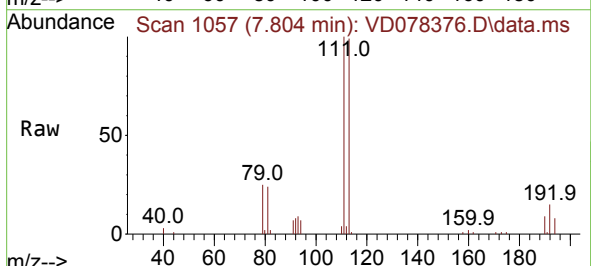
Tgt Ion:113 Resp: 73931

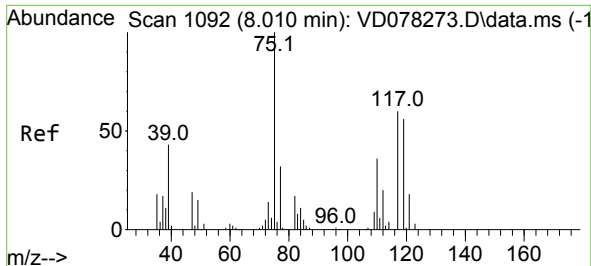
Ion Ratio Lower Upper

113 100

111 99.6 84.7 127.1

192 16.3 16.8 25.2#





#36

1,1-Dichloropropene

Concen: 3.356 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

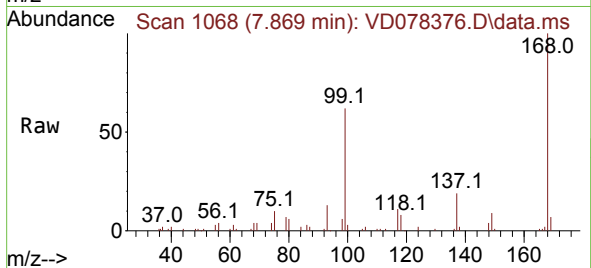
Lab File: VD078376.D

Acq: 08 Feb 2024 18:25

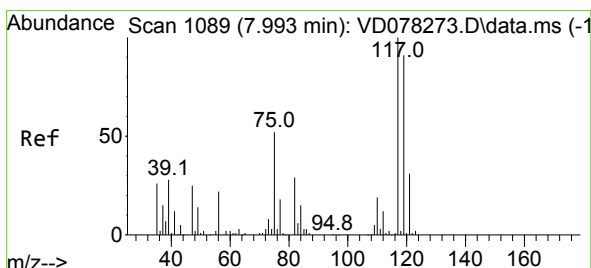
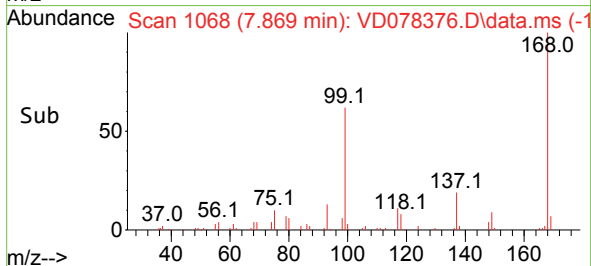
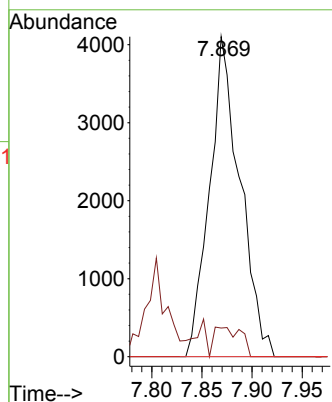
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 8684
Ion Ratio	Lower Upper
75	100
110	8.2 19.9 59.6#
77	0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 4.115 ug/l

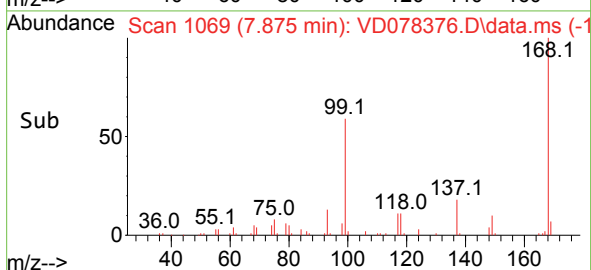
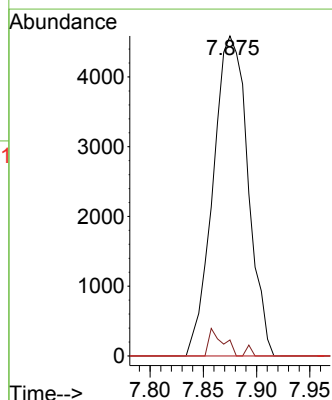
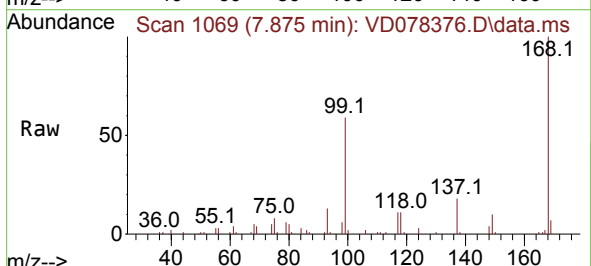
RT: 7.875 min Scan# 1069

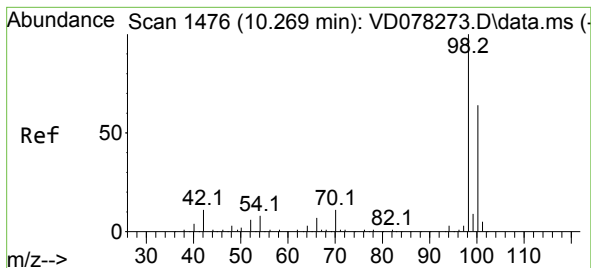
Delta R.T. -0.118 min

Lab File: VD078376.D

Acq: 08 Feb 2024 18:25

Tgt Ion: 117	Resp: 10469
Ion Ratio	Lower Upper
117	100
119	5.0 78.0 117.0#
121	0.0 24.2 36.2#

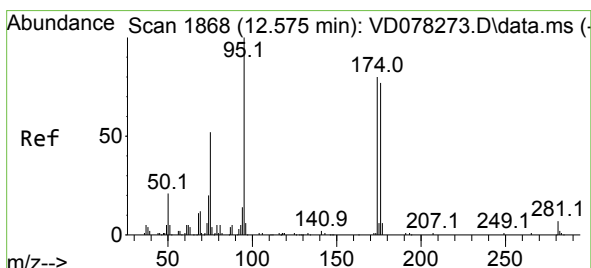
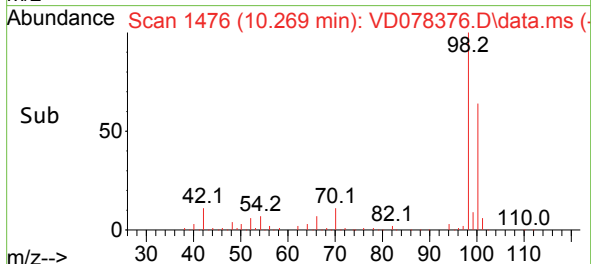
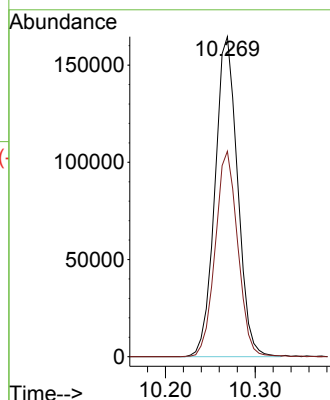
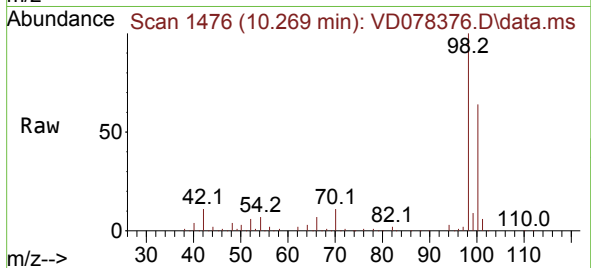




#50
Toluene-d8
Concen: 48.721 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078376.D
Acq: 08 Feb 2024 18:25

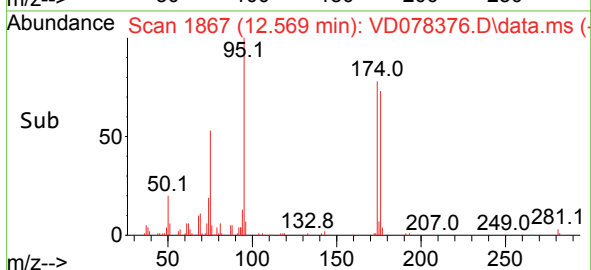
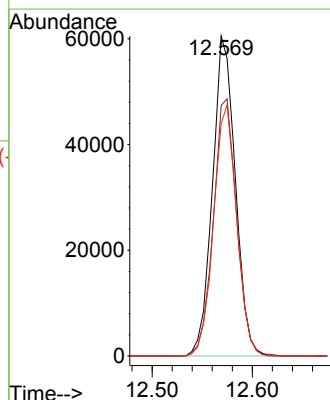
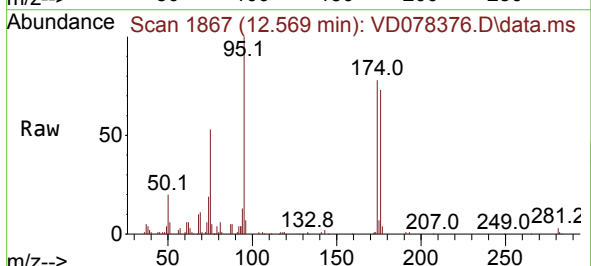
Instrument :
MSVOA_D
ClientSampleId :

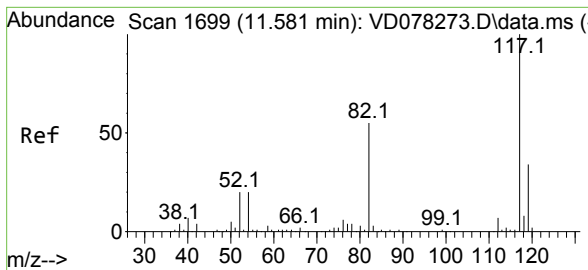
Tgt Ion: 98 Resp: 287807
Ion Ratio Lower Upper
98 100
100 64.0 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 54.075 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD078376.D
Acq: 08 Feb 2024 18:25

Tgt Ion: 95 Resp: 95662
Ion Ratio Lower Upper
95 100
174 82.0 0.0 201.8
176 79.3 0.0 191.8

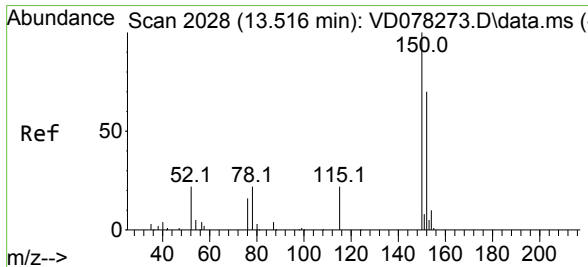
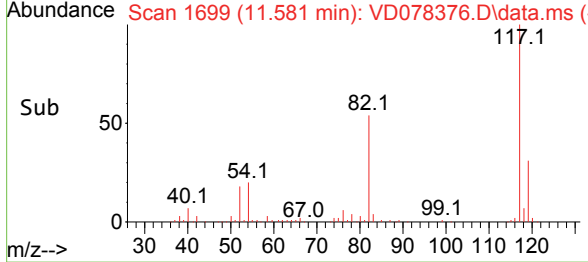
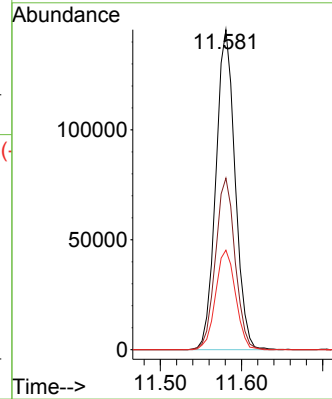
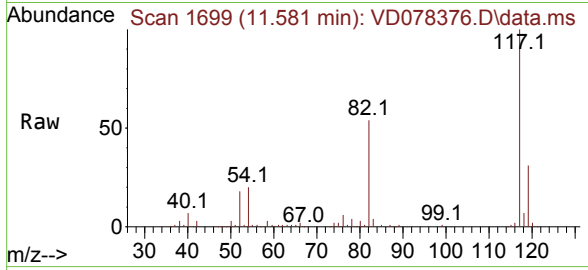




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078376.D
Acq: 08 Feb 2024 18:25

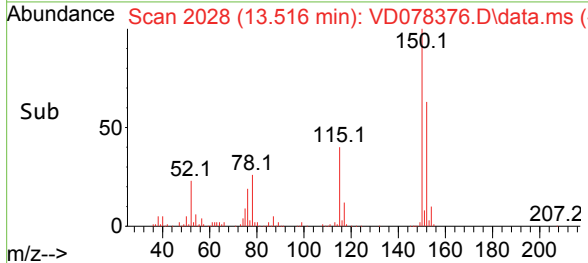
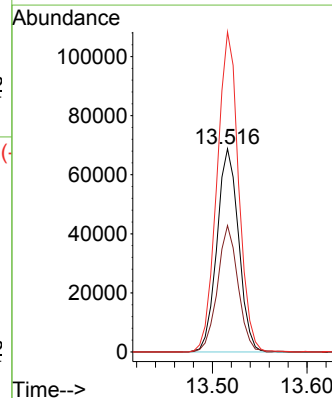
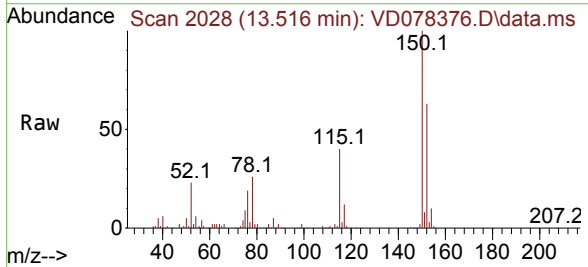
Instrument :
MSVOA_D
ClientSampleId :

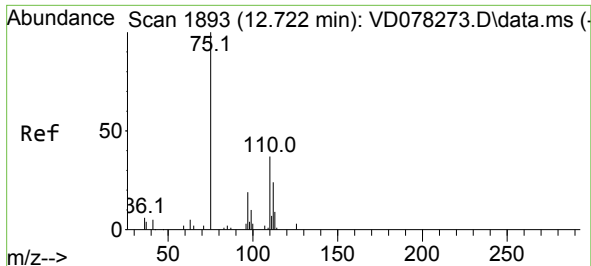
Tgt Ion:117 Resp: 239179
Ion Ratio Lower Upper
117 100
82 53.6 38.3 57.5
119 31.1 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD078376.D
Acq: 08 Feb 2024 18:25

Tgt Ion:152 Resp: 109055
Ion Ratio Lower Upper
152 100
115 59.1 27.1 81.3
150 157.7 0.0 353.6

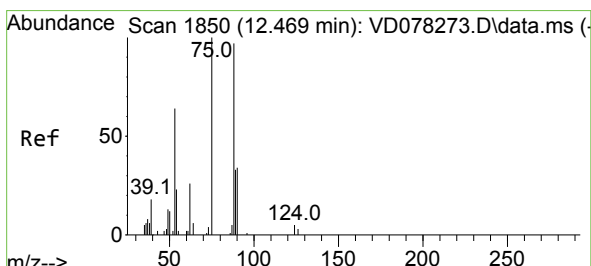
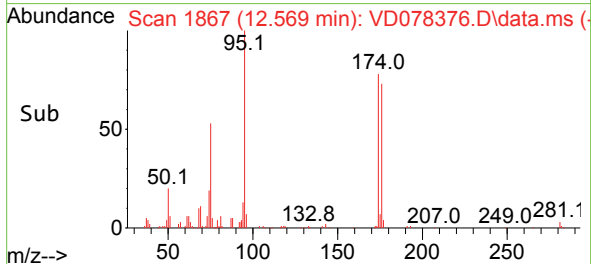
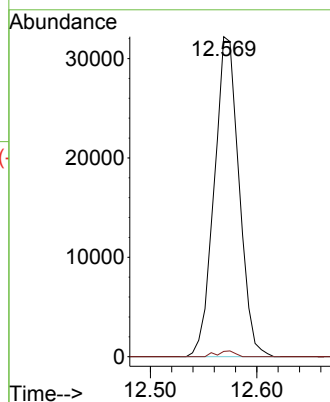
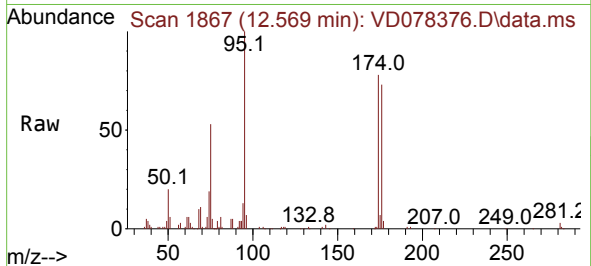




#76
1,2,3-Trichloropropane
Concen: 45.613 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD078376.D
Acq: 08 Feb 2024 18:25

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 51991
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.715 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD078376.D
Acq: 08 Feb 2024 18:25

Tgt Ion: 75 Resp: 51991
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

