

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020824\
 Data File : VD078372.D
 Acq On : 08 Feb 2024 16:33
 Operator : RP/MD
 Sample : P1389-11
 Misc : 4.58G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 09 03:11:30 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)

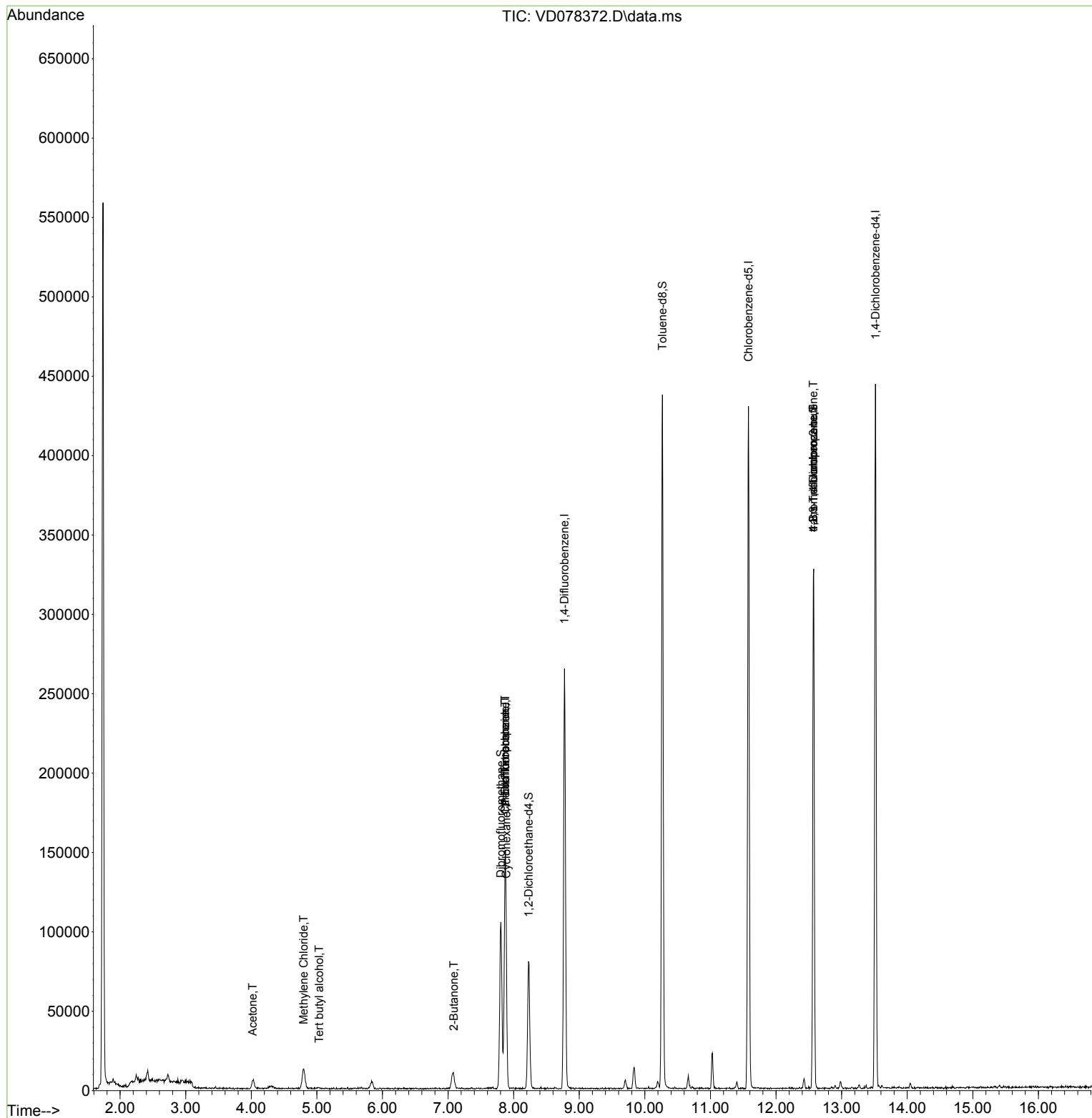
Internal Standards						
1) Pentafluorobenzene	7.875	168	112716	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	233100	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	248144	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	114384	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	63652	45.617	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.240%
35) Dibromofluoromethane	7.804	113	75275	45.360	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.720%
50) Toluene-d8	10.269	98	296057	47.121	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.240%
62) 4-Bromofluorobenzene	12.569	95	98195	52.188	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	104.380%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.693	85	55	Below Cal	#	43
11) Tert butyl alcohol	5.034	59	174	1.955	ug/l #	73
16) Acetone	4.022	43	9484	15.167	ug/l #	86
20) Methylene Chloride	4.799	84	10350	3.482	ug/l #	90
25) 2-Butanone	7.087	43	1257	2.703	ug/l #	80
31) Cyclohexane	7.887	56	3147	1.204	ug/l #	81
36) 1,1-Dichloropropene	7.869	75	9789	3.557	ug/l #	48
38) Carbon Tetrachloride	7.869	117	12492	4.617	ug/l #	16
76) 1,2,3-Trichloropropane	12.569	75	53348	44.623	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	53348	88.746	ug/l #	17

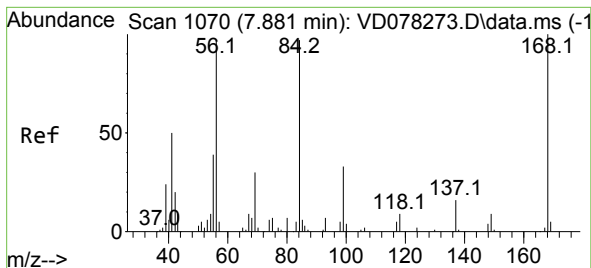
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1

Delta R.T. -0.006 min

Lab File: VD078372.D

Acq: 08 Feb 2024 16:33

Instrument :

MSVOA_D

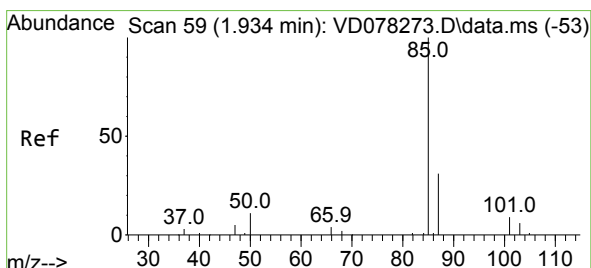
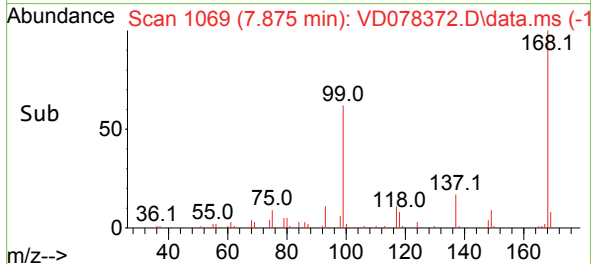
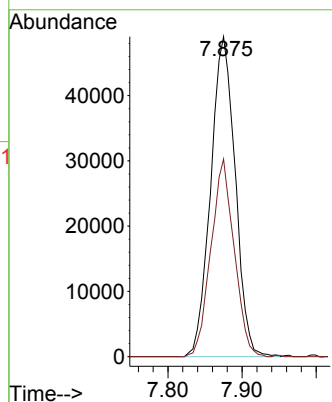
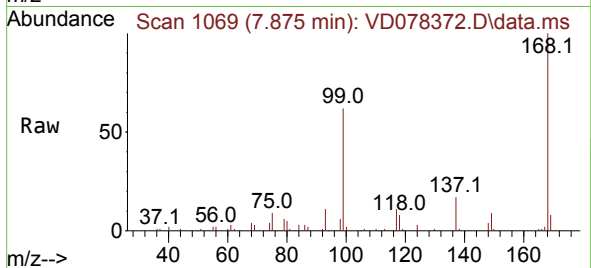
ClientSampleId :

Tgt Ion:168 Resp: 112716

Ion Ratio Lower Upper

168 100

99 61.7 36.7 55.1#



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.693 min Scan# 18

Delta R.T. -0.241 min

Lab File: VD078372.D

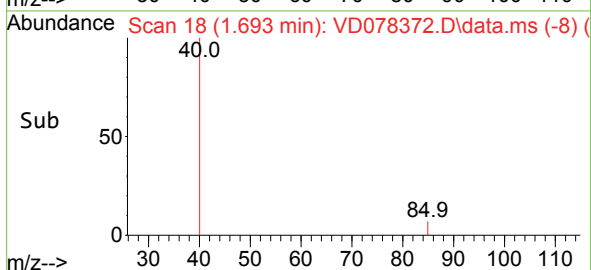
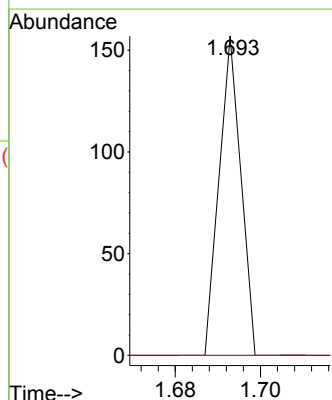
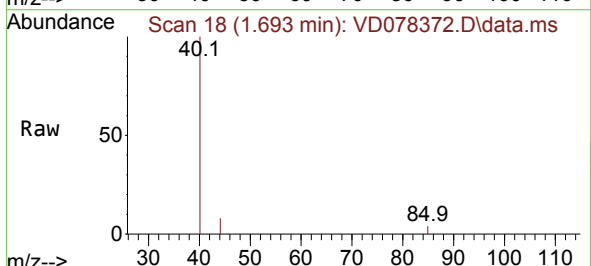
Acq: 08 Feb 2024 16:33

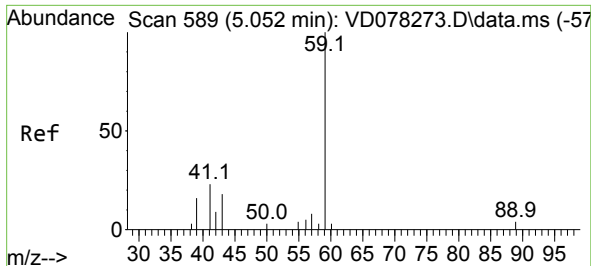
Tgt Ion: 85 Resp: 55

Ion Ratio Lower Upper

85 100

87 0.0 15.7 47.0#





#11

Tert butyl alcohol

Concen: 1.955 ug/l

RT: 5.034 min Scan# 51

Delta R.T. -0.018 min

Lab File: VD078372.D

Acq: 08 Feb 2024 16:33

Instrument :

MSVOA_D

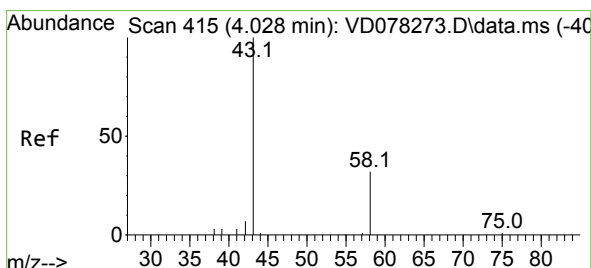
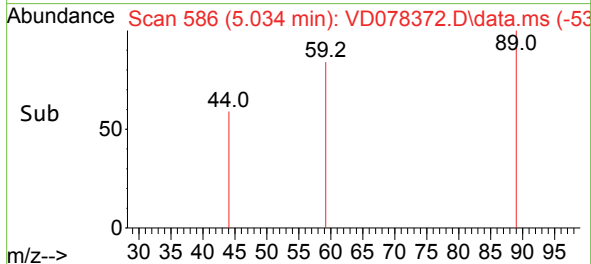
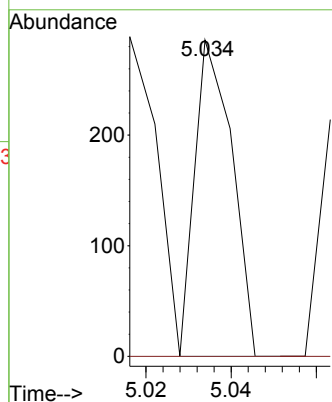
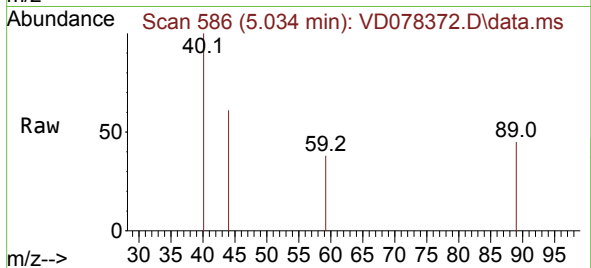
ClientSampleId :

Tgt Ion: 59 Resp: 174

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#16

Acetone

Concen: 15.167 ug/l

RT: 4.022 min Scan# 414

Delta R.T. -0.006 min

Lab File: VD078372.D

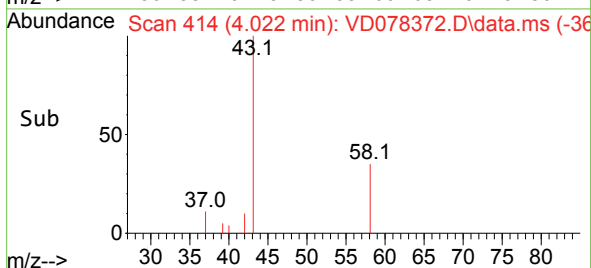
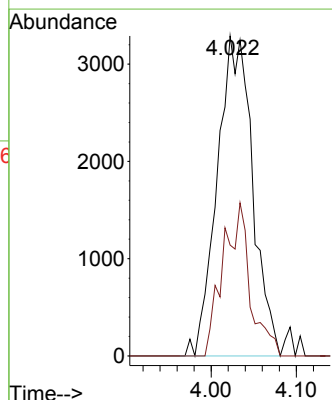
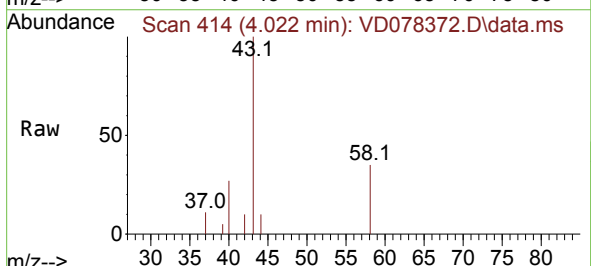
Acq: 08 Feb 2024 16:33

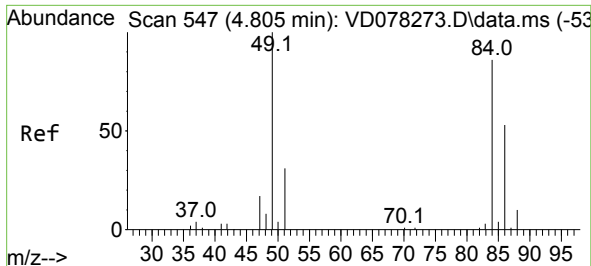
Tgt Ion: 43 Resp: 9484

Ion Ratio Lower Upper

43 100

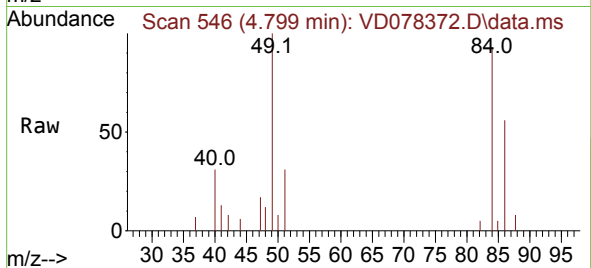
58 34.7 34.7 52.1#



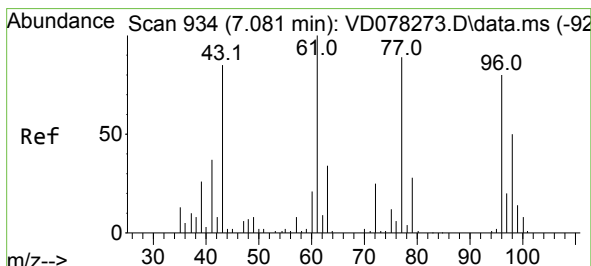
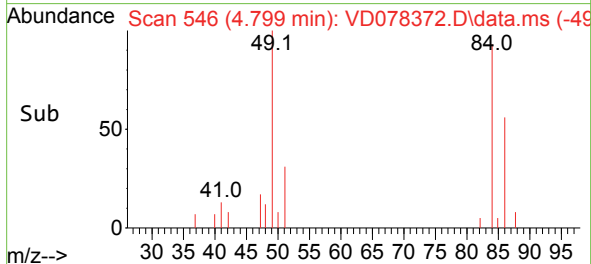
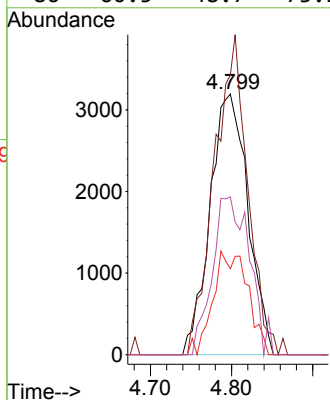


#20
Methylene Chloride
Concen: 3.482 ug/l
RT: 4.799 min Scan# 54
Delta R.T. -0.006 min
Lab File: VD078372.D
Acq: 08 Feb 2024 16:33

Instrument :
MSVOA_D
ClientSampleId :

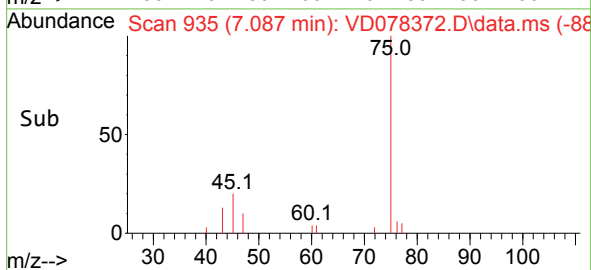
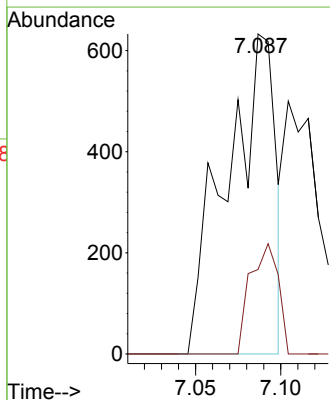
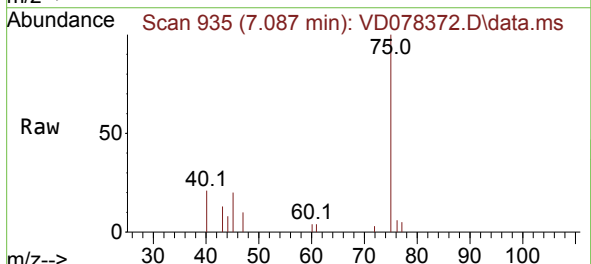


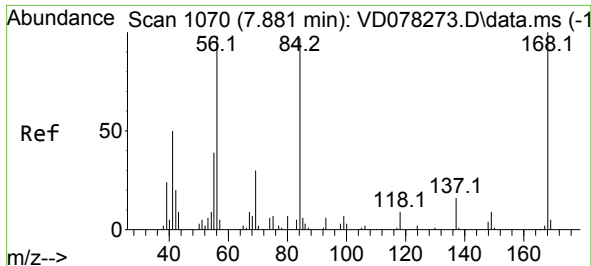
Tgt Ion: 84 Resp: 10350
Ion Ratio Lower Upper
84 100
49 107.2 71.4 107.2#
51 33.0 24.5 36.7
86 60.5 48.7 73.1



#25
2-Butanone
Concen: 2.703 ug/l
RT: 7.087 min Scan# 935
Delta R.T. 0.006 min
Lab File: VD078372.D
Acq: 08 Feb 2024 16:33

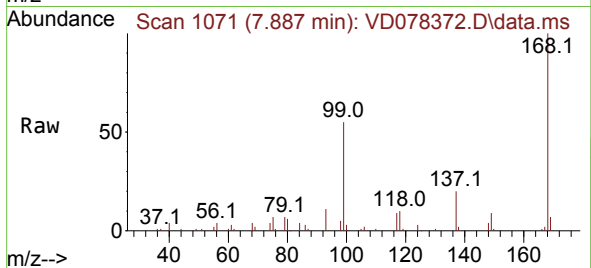
Tgt Ion: 43 Resp: 1257
Ion Ratio Lower Upper
43 100
72 26.4 30.7 46.1#



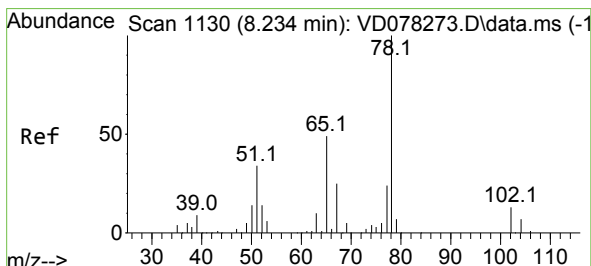
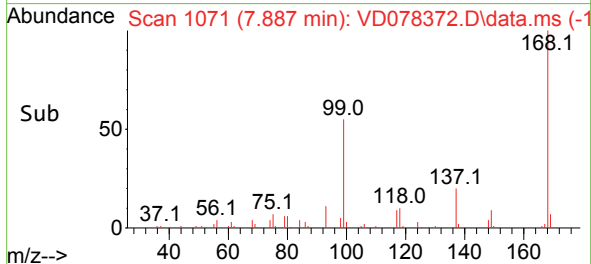
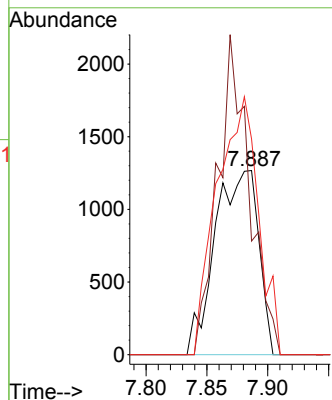


#31
Cyclohexane
Concen: 1.204 ug/l
RT: 7.887 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VD078372.D
Acq: 08 Feb 2024 16:33

Instrument :
MSVOA_D
ClientSampleId :

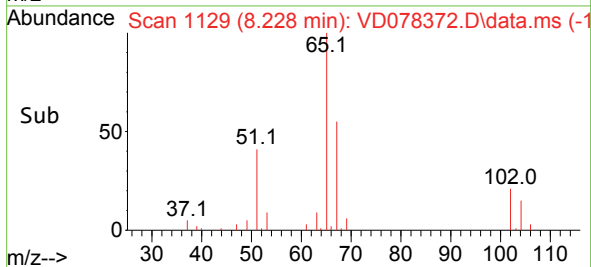
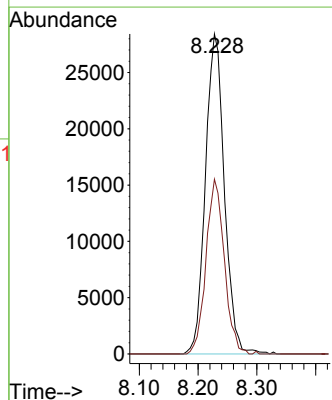
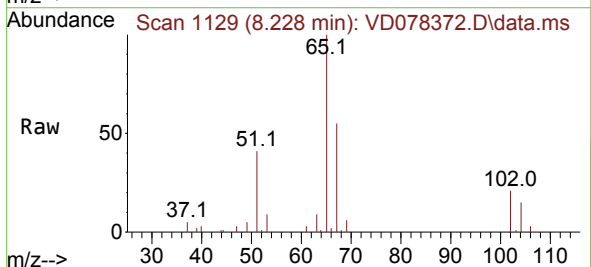


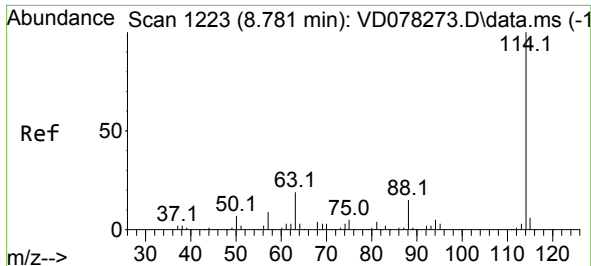
Tgt Ion: 56 Resp: 3147
Ion Ratio Lower Upper
56 100
69 61.7 28.6 43.0#
84 117.1 84.8 127.2



#33
1,2-Dichloroethane-d4
Concen: 45.617 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD078372.D
Acq: 08 Feb 2024 16:33

Tgt Ion: 65 Resp: 63652
Ion Ratio Lower Upper
65 100
67 52.6 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: VD078372.D

Acq: 08 Feb 2024 16:33

Instrument :

MSVOA_D

ClientSampleId :

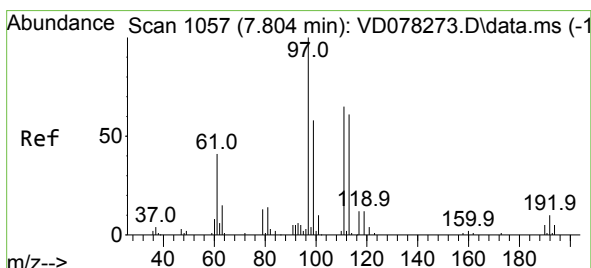
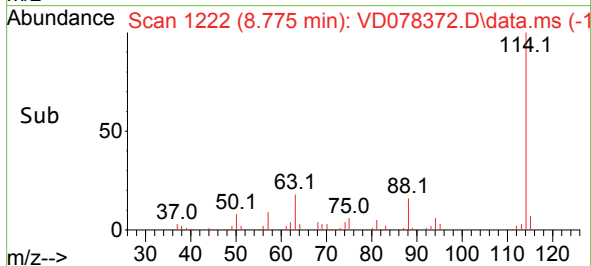
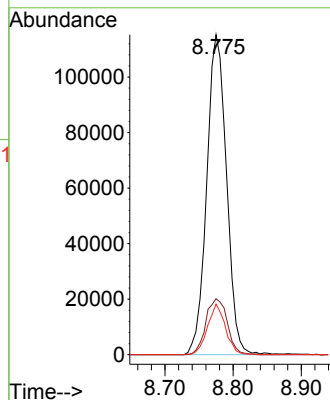
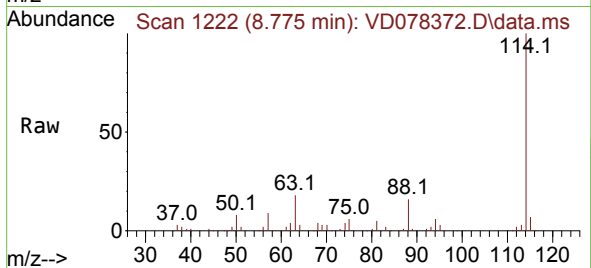
Tgt Ion:114 Resp: 233100

Ion Ratio Lower Upper

114 100

63 17.5 0.0 33.4

88 15.8 0.0 26.2



#35

Dibromofluoromethane

Concen: 45.360 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD078372.D

Acq: 08 Feb 2024 16:33

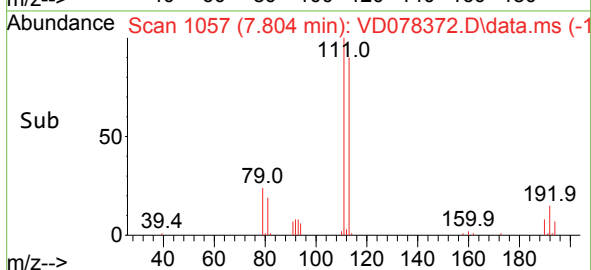
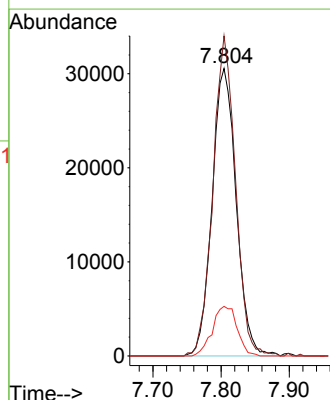
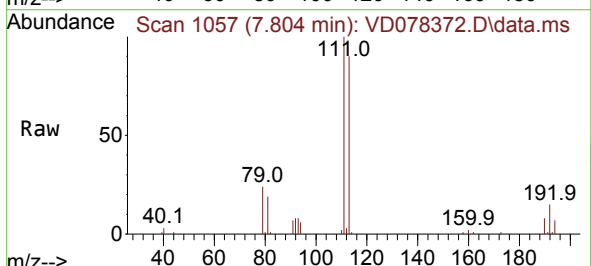
Tgt Ion:113 Resp: 75275

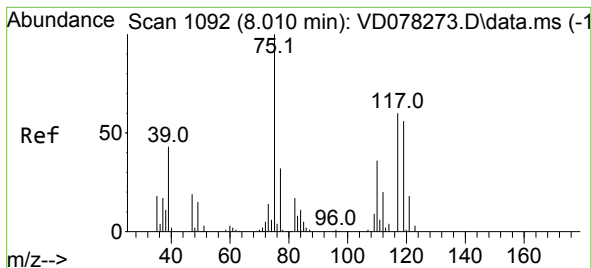
Ion Ratio Lower Upper

113 100

111 104.1 84.7 127.1

192 17.7 16.8 25.2





#36

1,1-Dichloropropene

Concen: 3.557 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD078372.D

Acq: 08 Feb 2024 16:33

Instrument :

MSVOA_D

ClientSampleId :

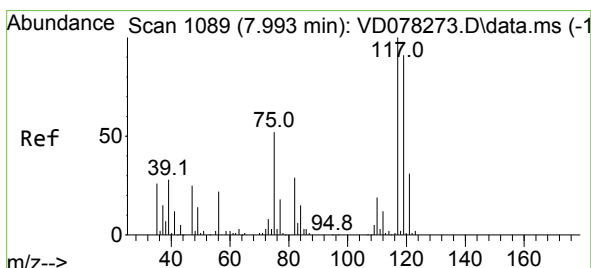
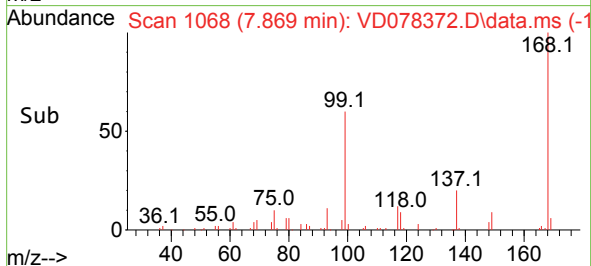
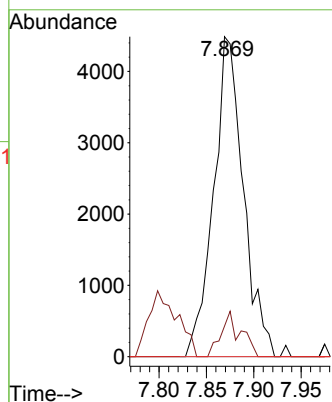
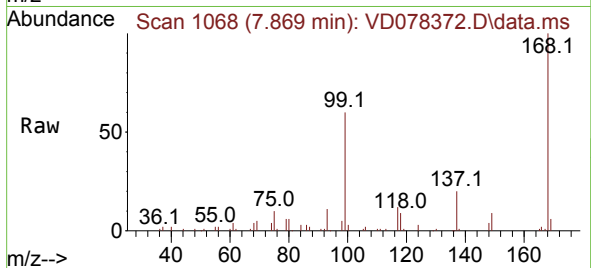
Tgt Ion: 75 Resp: 9789

Ion Ratio Lower Upper

75 100

110 9.3 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 4.617 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.124 min

Lab File: VD078372.D

Acq: 08 Feb 2024 16:33

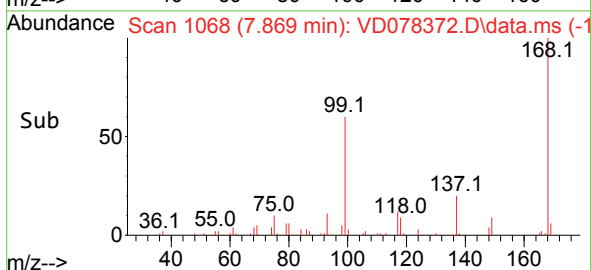
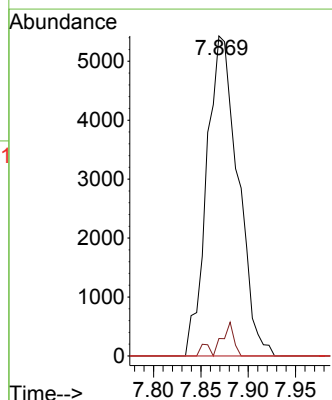
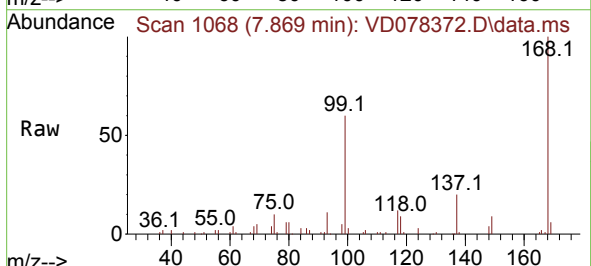
Tgt Ion: 117 Resp: 12492

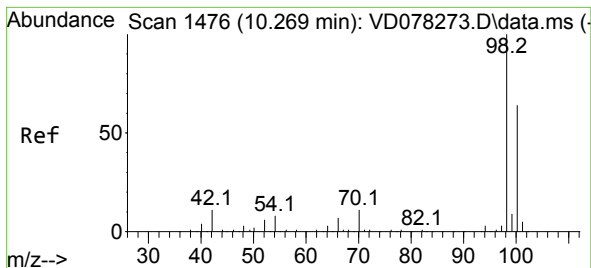
Ion Ratio Lower Upper

117 100

119 5.4 78.0 117.0#

121 0.0 24.2 36.2#

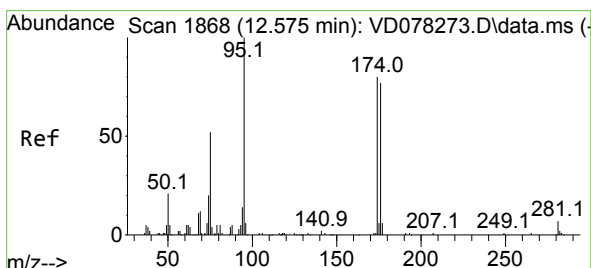
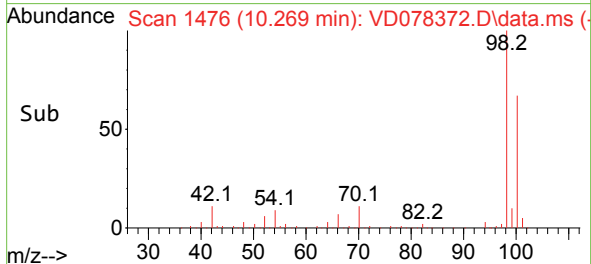
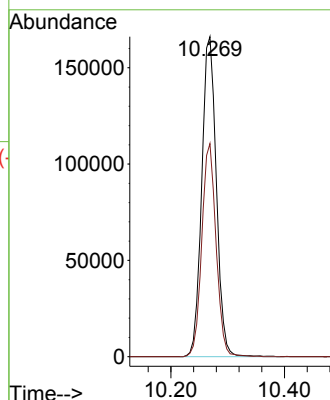
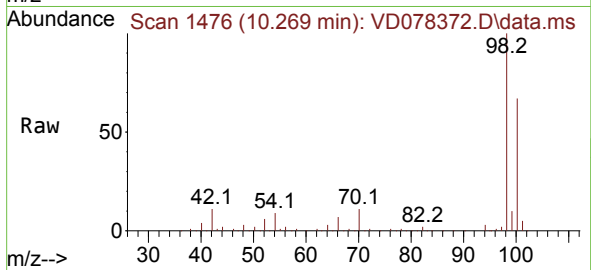




#50
Toluene-d8
Concen: 47.121 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD078372.D
Acq: 08 Feb 2024 16:33

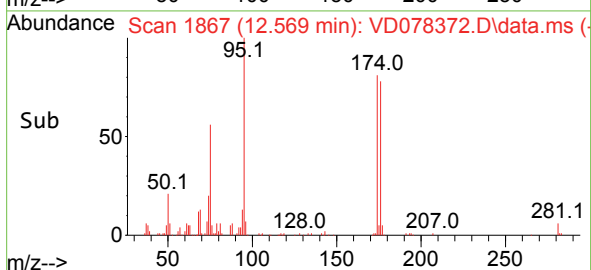
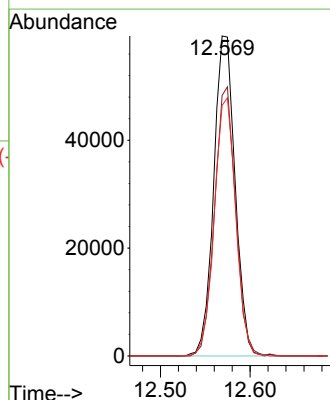
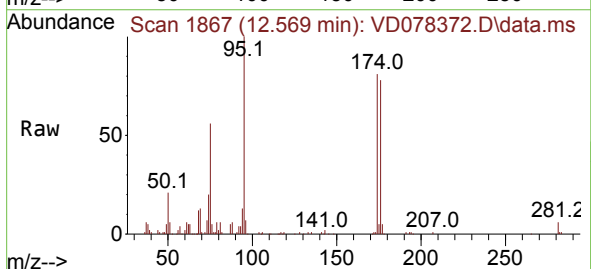
Instrument :
MSVOA_D
ClientSampleId :

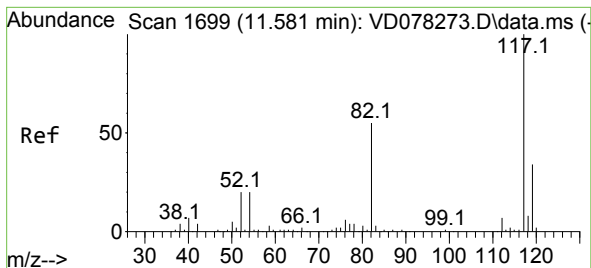
Tgt Ion: 98 Resp: 296057
Ion Ratio Lower Upper
98 100
100 65.2 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 52.188 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD078372.D
Acq: 08 Feb 2024 16:33

Tgt Ion: 95 Resp: 98195
Ion Ratio Lower Upper
95 100
174 83.0 0.0 201.8
176 80.8 0.0 191.8

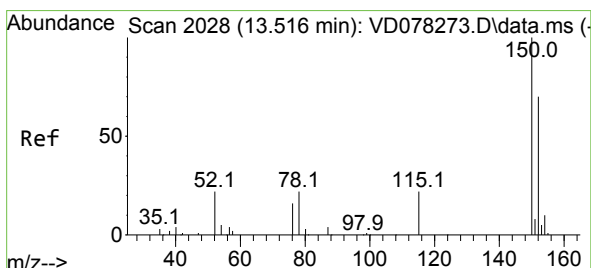
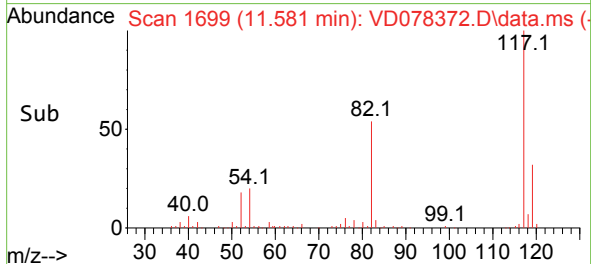
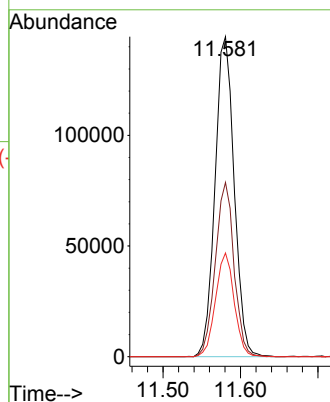
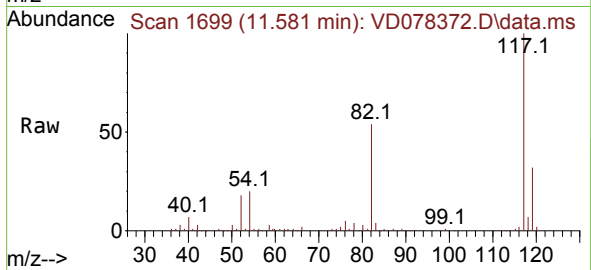




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD078372.D
Acq: 08 Feb 2024 16:33

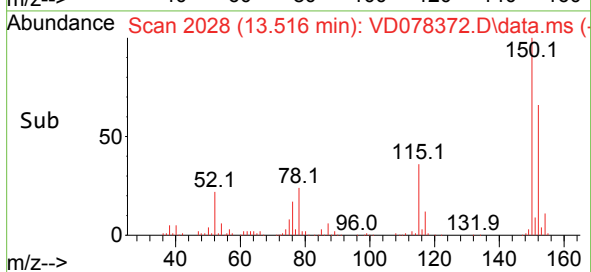
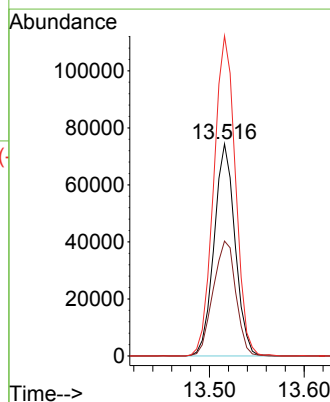
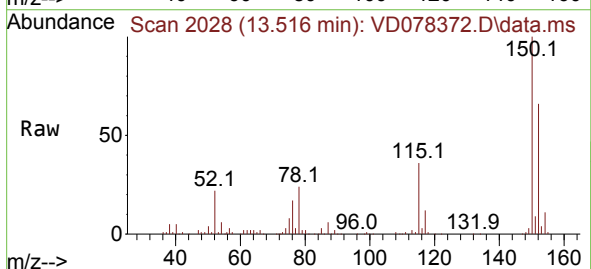
Instrument :
MSVOA_D
ClientSampleId :

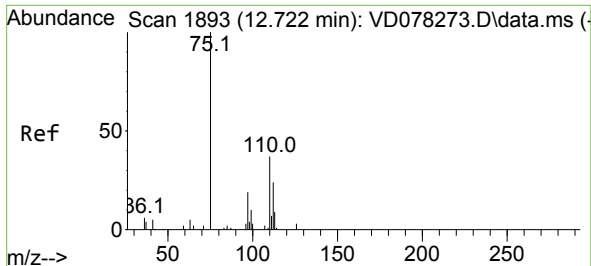
Tgt Ion:117 Resp: 248144
Ion Ratio Lower Upper
117 100
82 54.5 38.3 57.5
119 32.4 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD078372.D
Acq: 08 Feb 2024 16:33

Tgt Ion:152 Resp: 114384
Ion Ratio Lower Upper
152 100
115 58.7 27.1 81.3
150 156.6 0.0 353.6

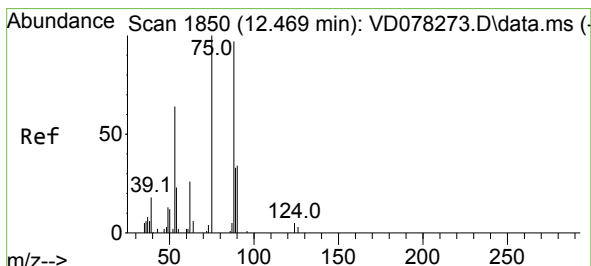
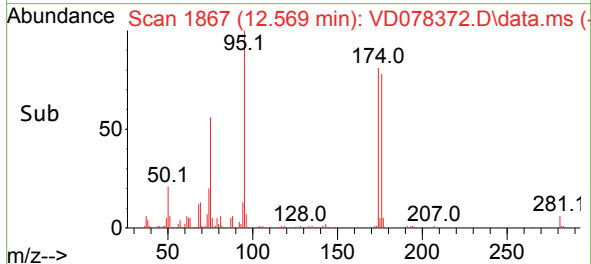
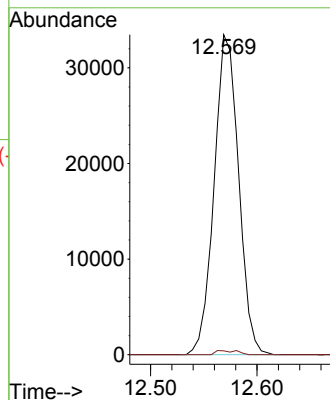
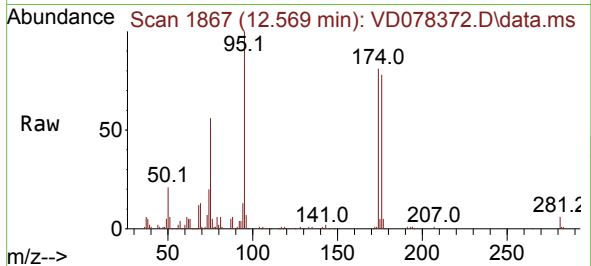




#76
1,2,3-Trichloropropane
Concen: 44.623 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD078372.D
Acq: 08 Feb 2024 16:33

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 53348
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.746 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD078372.D
Acq: 08 Feb 2024 16:33

Tgt Ion: 75 Resp: 53348
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

