

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122123\
 Data File : VD078027.D
 Acq On : 21 Dec 2023 15:51
 Operator : RP/MD
 Sample : 05940-05
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 22 05:20:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

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

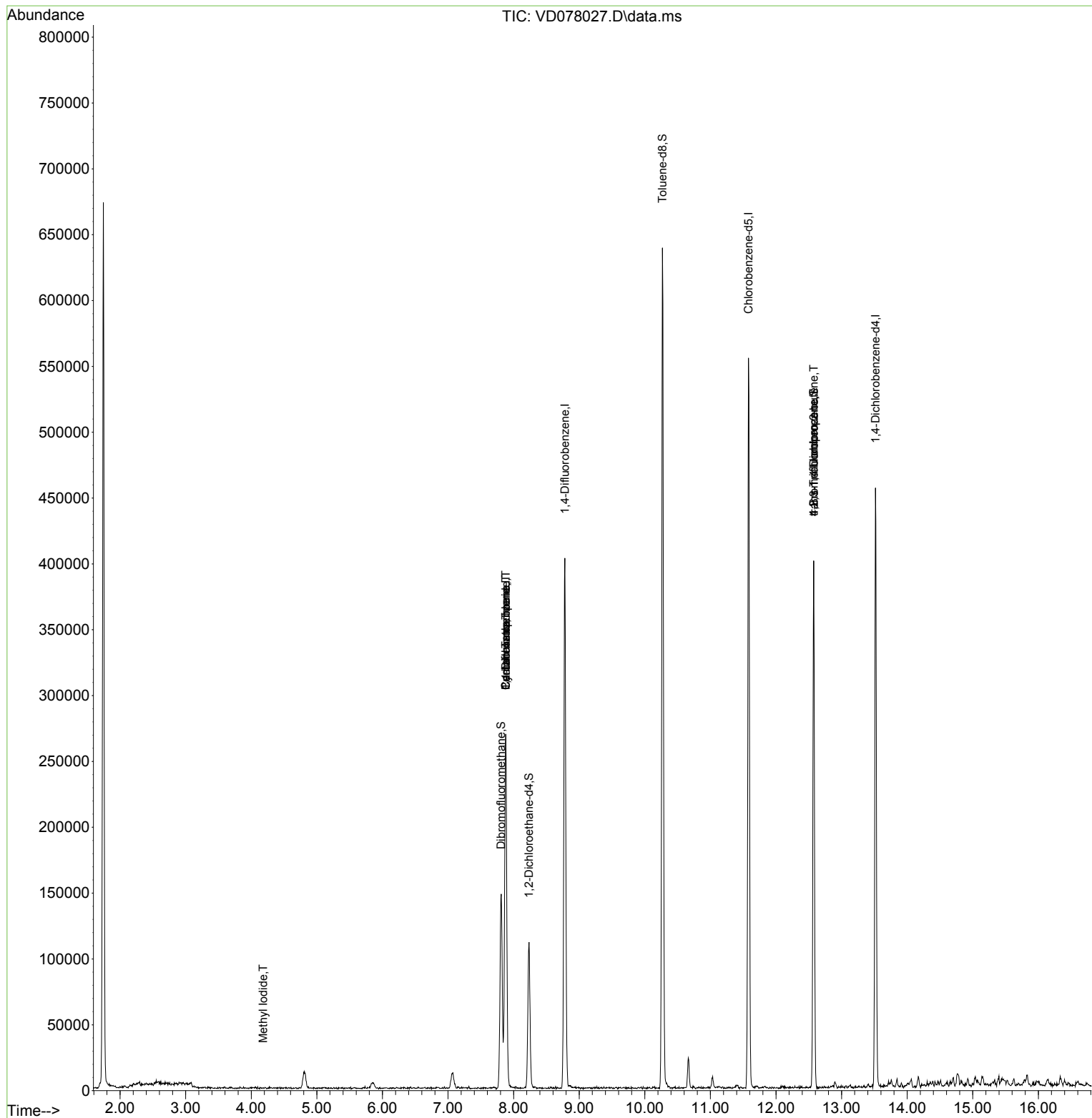
Internal Standards						
1) Pentafluorobenzene	7.881	168	212848	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	359673	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	326233	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	119903	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	86185	34.363	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	68.720%
35) Dibromofluoromethane	7.810	113	107296	42.588	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.180%
50) Toluene-d8	10.269	98	450256	44.622	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.240%
62) 4-Bromofluorobenzene	12.575	95	119096	39.478	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.960%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.181	142	57	6.763	ug/l #	46
11) Tert butyl alcohol	5.022	59	55	Below Cal	#	73
16) Acetone	4.028	43	955	Below Cal	#	57
20) Methylene Chloride	4.799	84	10834	Below Cal		93
25) 2-Butanone	7.087	43	138	Below Cal	#	37
31) Cyclohexane	7.881	56	4591	1.029	ug/l #	21
36) 1,1-Dichloropropene	7.881	75	16399	4.069	ug/l #	48
38) Carbon Tetrachloride	7.881	117	20553	5.116	ug/l #	15
76) 1,2,3-Trichloropropane	12.575	75	59123	56.775	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	59123	115.029	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.445	75	54	Below Cal	#	1

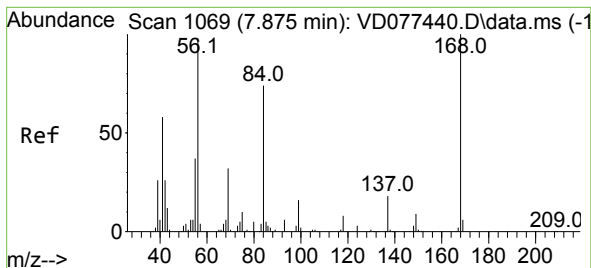
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 22 05:20:03 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 14 14:48:10 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: VD078027.D

Acq: 21 Dec 2023 15:51

Instrument :

MSVOA_D

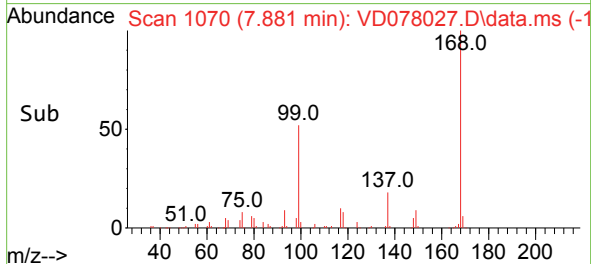
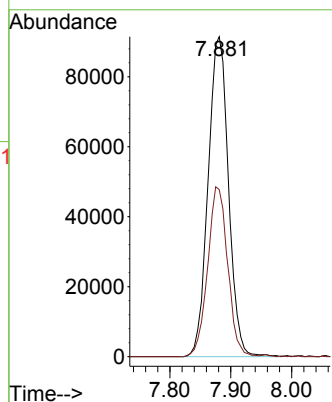
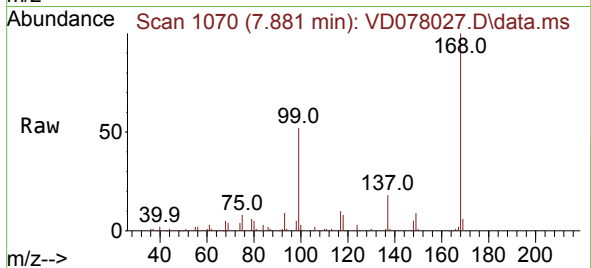
ClientSampleId :

Tgt Ion:168 Resp: 212848

Ion Ratio Lower Upper

168 100

99 52.2 36.7 55.1



#10

Methyl Iodide

Concen: 6.763 ug/l

RT: 4.181 min Scan# 441

Delta R.T. 0.012 min

Lab File: VD078027.D

Acq: 21 Dec 2023 15:51

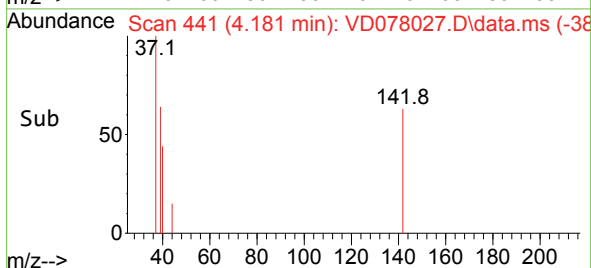
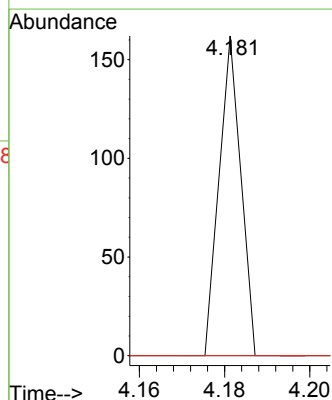
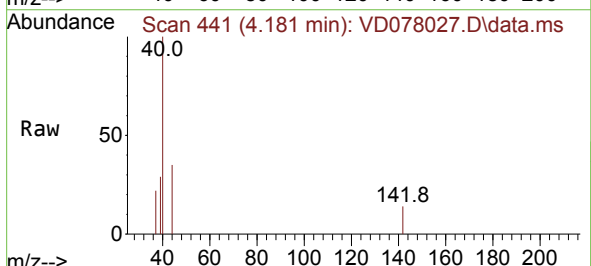
Tgt Ion:142 Resp: 57

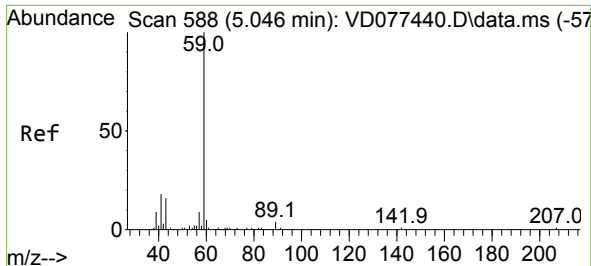
Ion Ratio Lower Upper

142 100

127 0.0 29.4 44.0#

141 0.0 11.1 16.7#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.022 min Scan# 51

Delta R.T. -0.024 min

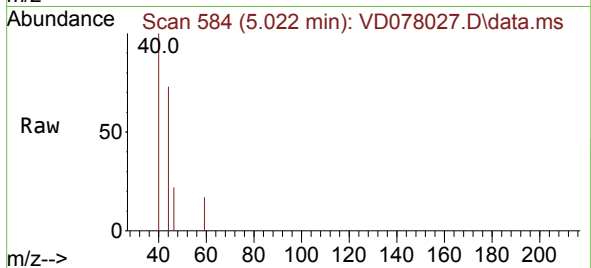
Lab File: VD078027.D

Acq: 21 Dec 2023 15:51

Instrument :

MSVOA_D

ClientSampleId :

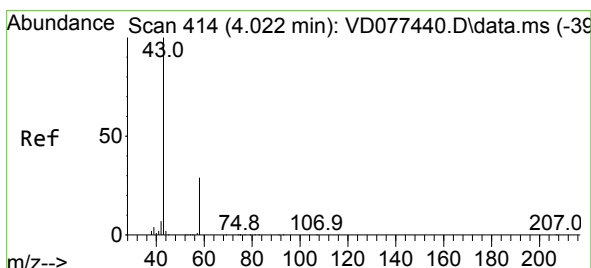
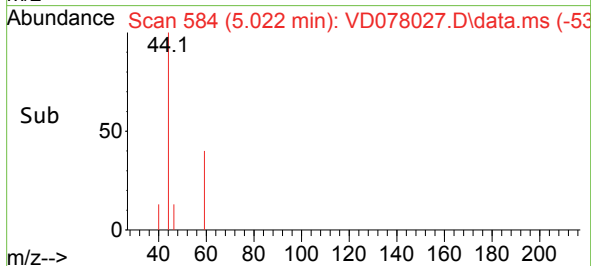
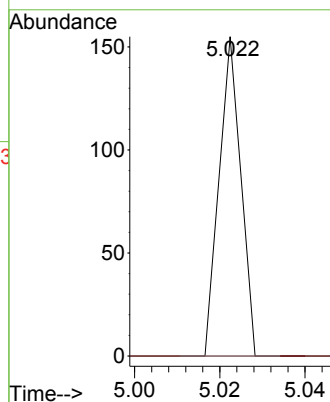


Tgt Ion: 59 Resp: 55

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#16

Acetone

Concen: Below Cal

RT: 4.028 min Scan# 415

Delta R.T. 0.006 min

Lab File: VD078027.D

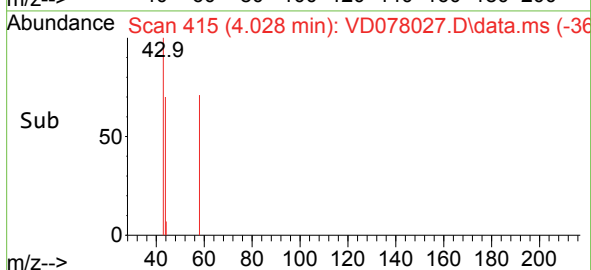
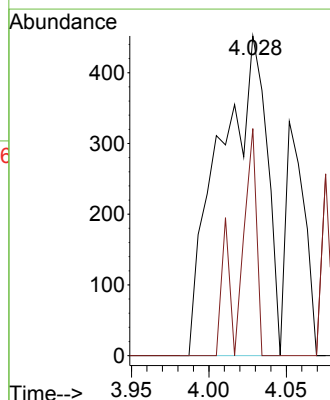
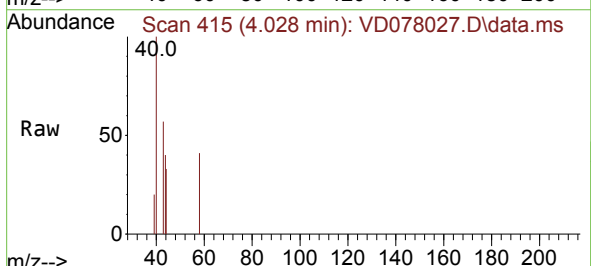
Acq: 21 Dec 2023 15:51

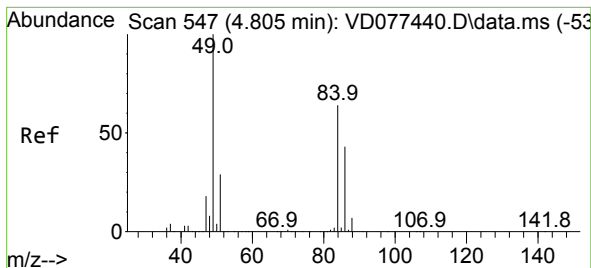
Tgt Ion: 43 Resp: 955

Ion Ratio Lower Upper

43 100

58 71.0 34.7 52.1#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.799 min Scan# 54

Delta R.T. -0.006 min

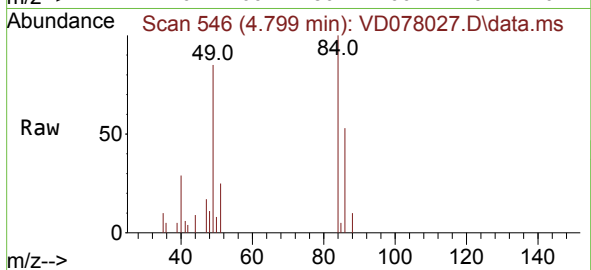
Lab File: VD078027.D

Acq: 21 Dec 2023 15:51

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 84 Resp: 10834

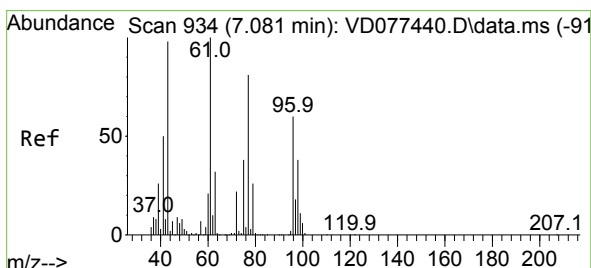
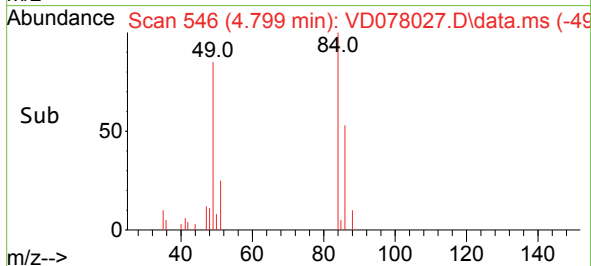
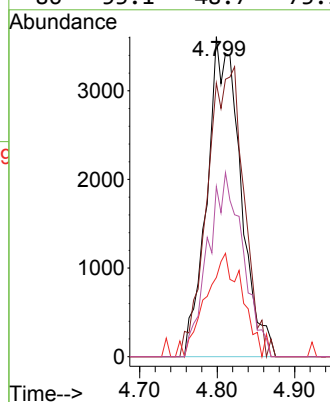
Ion Ratio Lower Upper

84 100

49 85.5 71.4 107.2

51 24.8 24.5 36.7

86 53.1 48.7 73.1



#25

2-Butanone

Concen: Below Cal

RT: 7.087 min Scan# 935

Delta R.T. 0.006 min

Lab File: VD078027.D

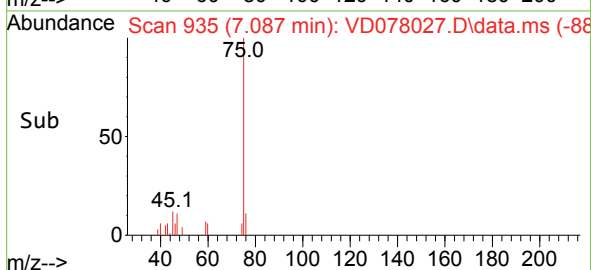
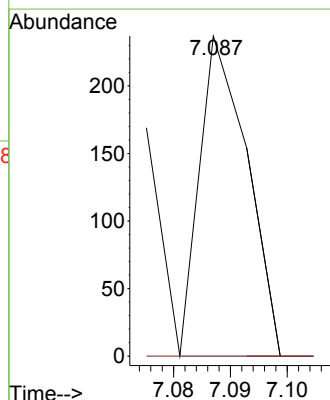
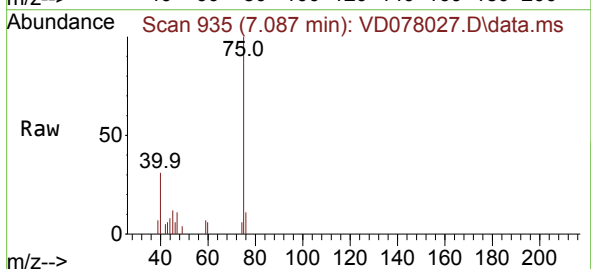
Acq: 21 Dec 2023 15:51

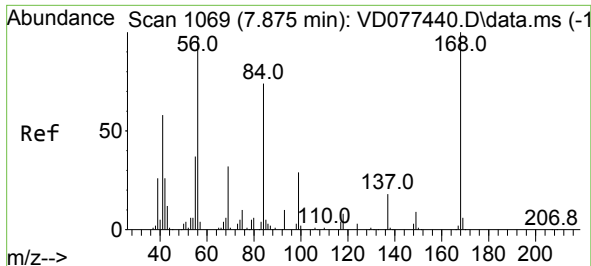
Tgt Ion: 43 Resp: 138

Ion Ratio Lower Upper

43 100

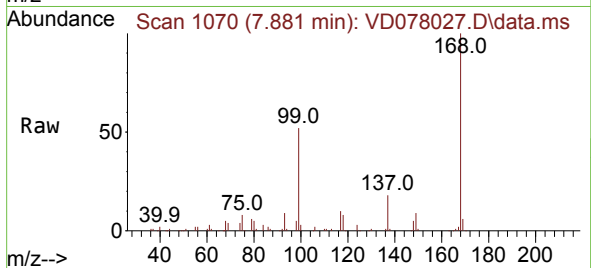
72 0.0 30.7 46.1#



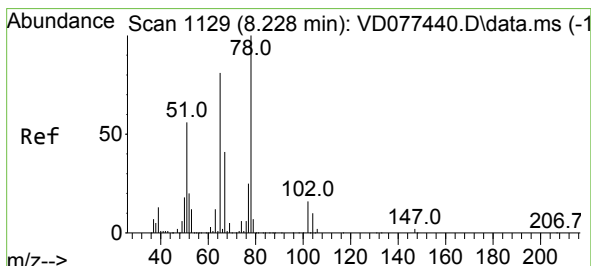
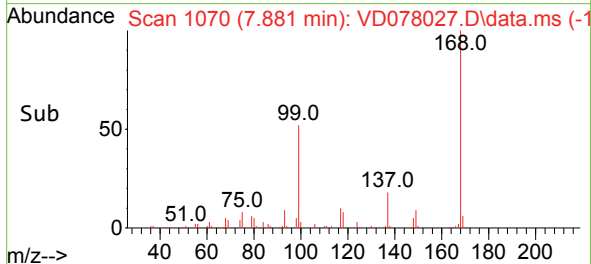
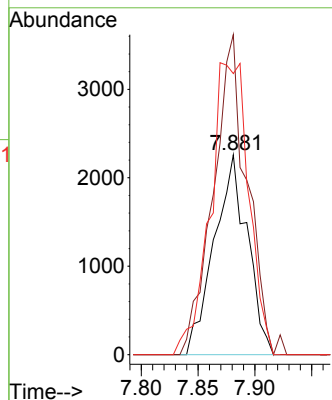


#31
Cyclohexane
Concen: 1.029 ug/l
RT: 7.881 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VD078027.D
Acq: 21 Dec 2023 15:51

Instrument :
MSVOA_D
ClientSampleId :

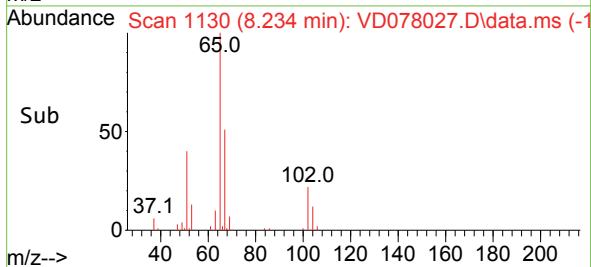
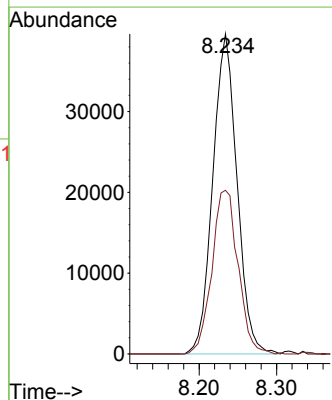
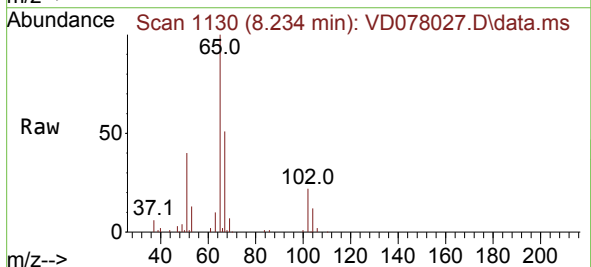


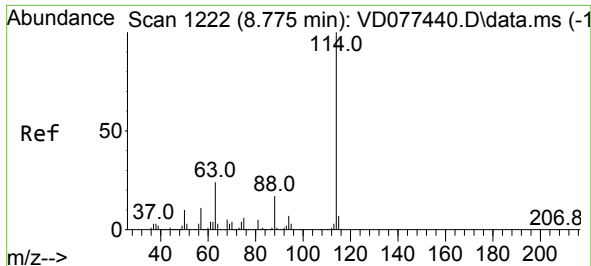
Tgt Ion: 56 Resp: 4591
Ion Ratio Lower Upper
56 100
69 160.2 28.6 43.0#
84 140.7 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 34.363 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD078027.D
Acq: 21 Dec 2023 15:51

Tgt Ion: 65 Resp: 86185
Ion Ratio Lower Upper
65 100
67 55.1 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: VD078027.D

Acq: 21 Dec 2023 15:51

Instrument :

MSVOA_D

ClientSampleId :

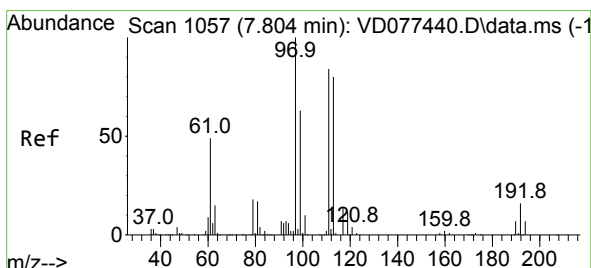
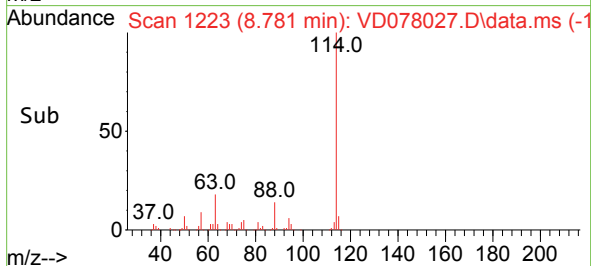
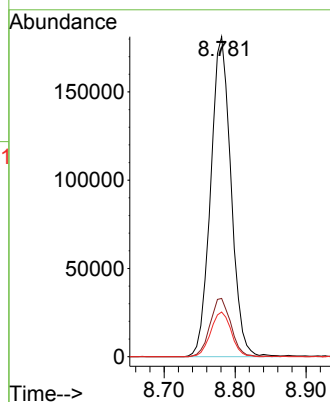
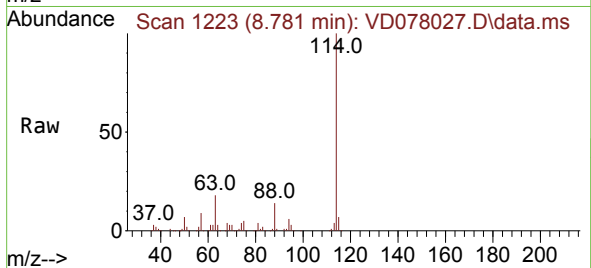
Tgt Ion:114 Resp: 359673

Ion Ratio Lower Upper

114 100

63 18.2 0.0 33.4

88 14.0 0.0 26.2



#35

Dibromofluoromethane

Concen: 42.588 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD078027.D

Acq: 21 Dec 2023 15:51

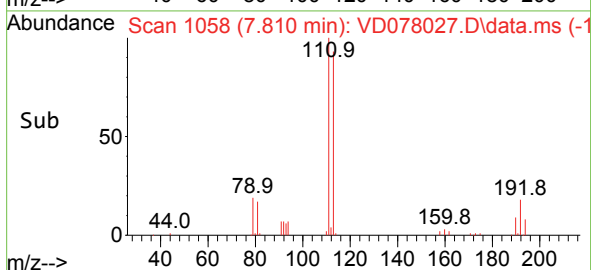
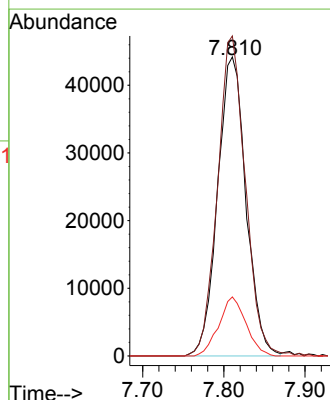
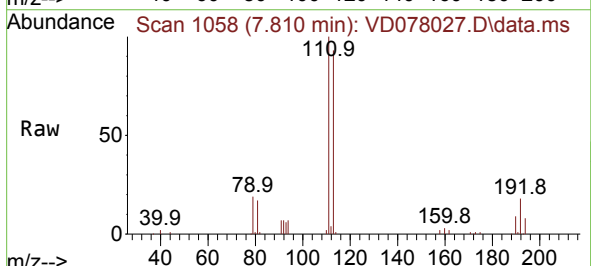
Tgt Ion:113 Resp: 107296

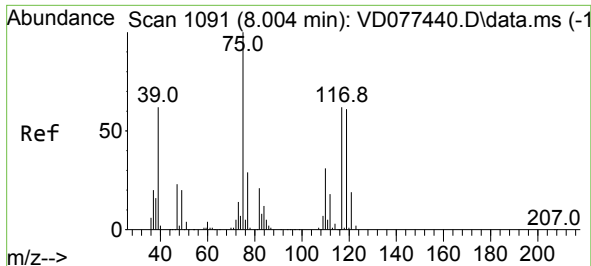
Ion Ratio Lower Upper

113 100

111 105.2 84.7 127.1

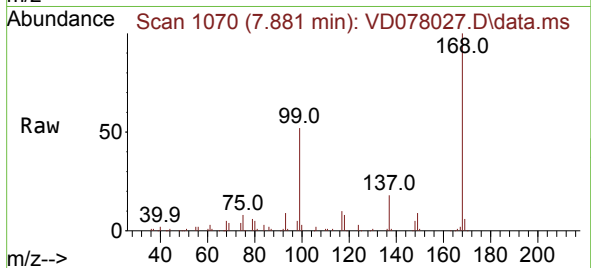
192 18.9 16.8 25.2



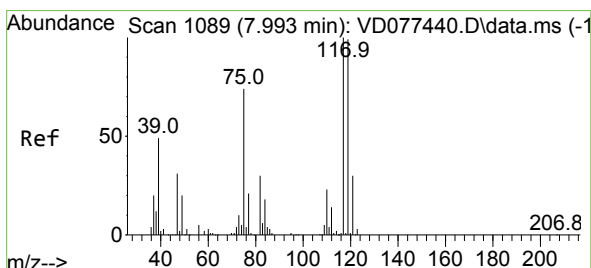
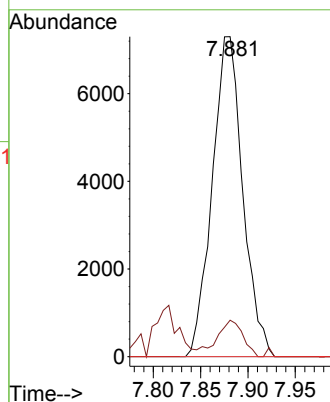
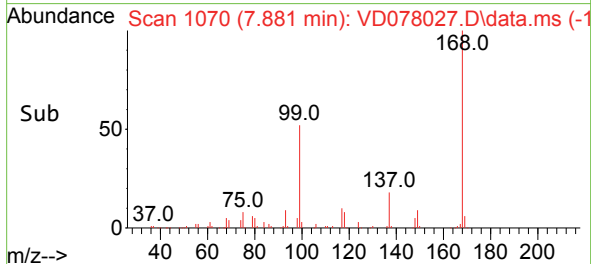


#36
1,1-Dichloropropene
Concen: 4.069 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.123 min
Lab File: VD078027.D
Acq: 21 Dec 2023 15:51

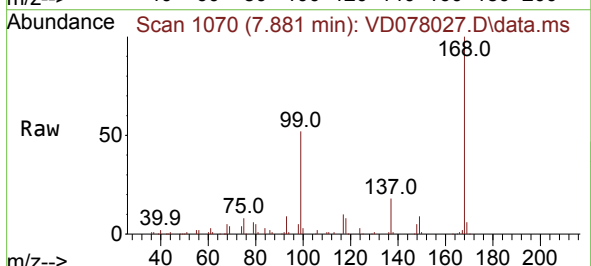
Instrument :
MSVOA_D
ClientSampleId :



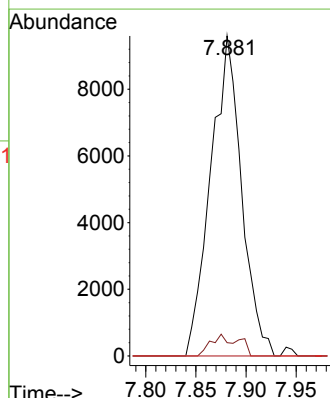
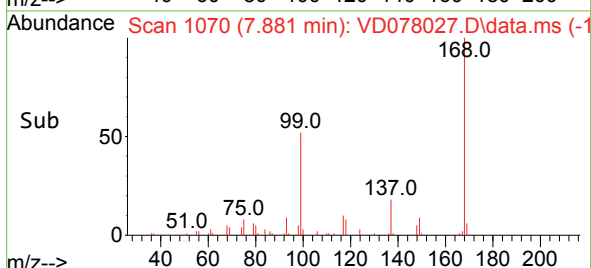
Tgt Ion: 75 Resp: 16399
Ion Ratio Lower Upper
75 100
110 9.7 19.9 59.6#
77 0.0 24.7 37.1#

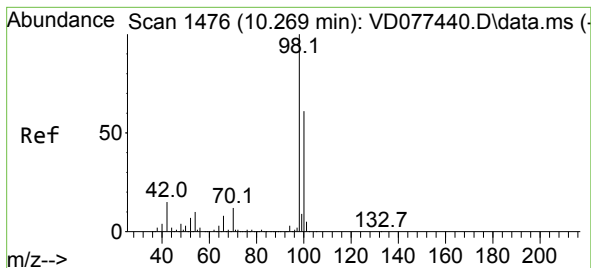


#38
Carbon Tetrachloride
Concen: 5.116 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.112 min
Lab File: VD078027.D
Acq: 21 Dec 2023 15:51



Tgt Ion: 117 Resp: 20553
Ion Ratio Lower Upper
117 100
119 4.2 78.0 117.0#
121 0.0 24.2 36.2#

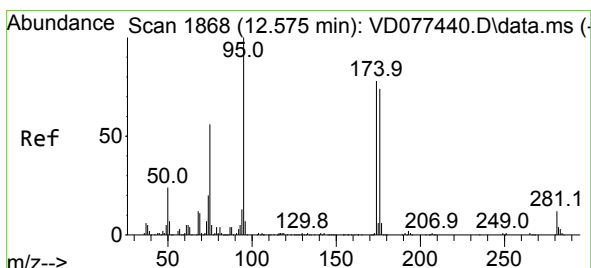
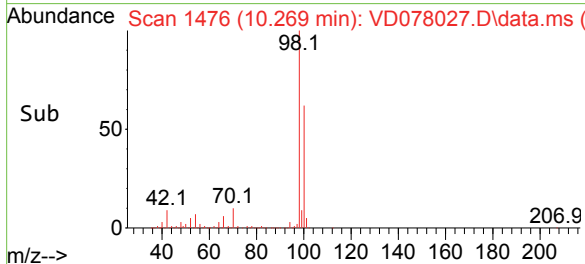
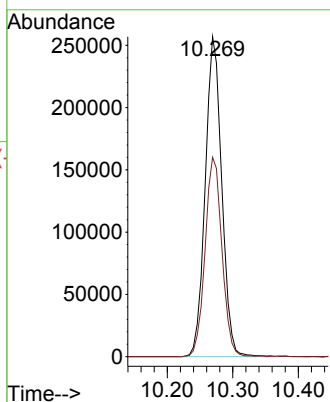
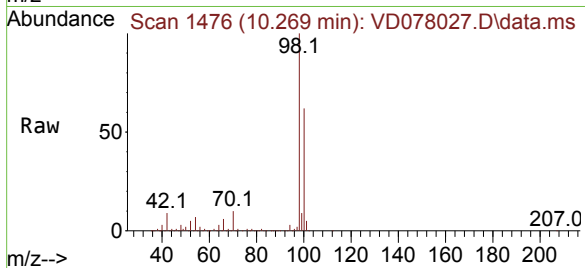




#50
Toluene-d8
Concen: 44.622 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078027.D
Acq: 21 Dec 2023 15:51

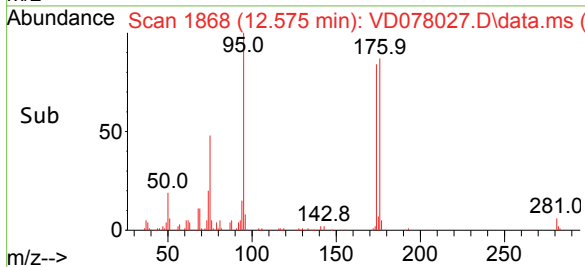
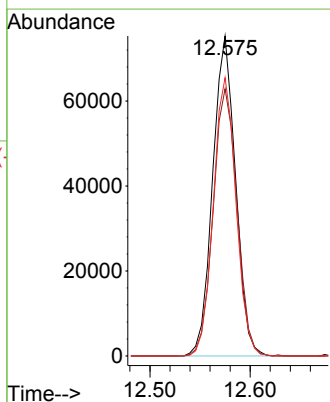
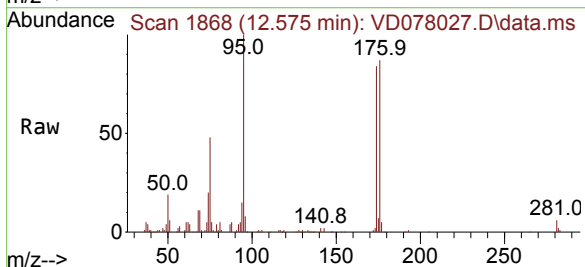
Instrument :
MSVOA_D
ClientSampleId :

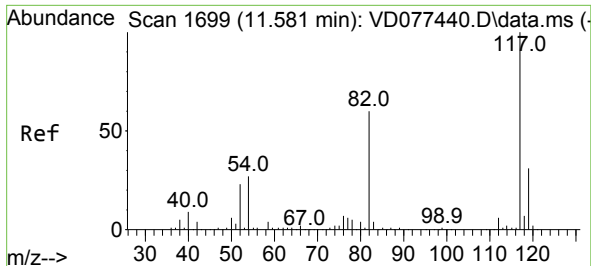
Tgt Ion: 98 Resp: 450256
Ion Ratio Lower Upper
98 100
100 63.6 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 39.478 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078027.D
Acq: 21 Dec 2023 15:51

Tgt Ion: 95 Resp: 119096
Ion Ratio Lower Upper
95 100
174 87.1 0.0 201.8
176 86.5 0.0 191.8

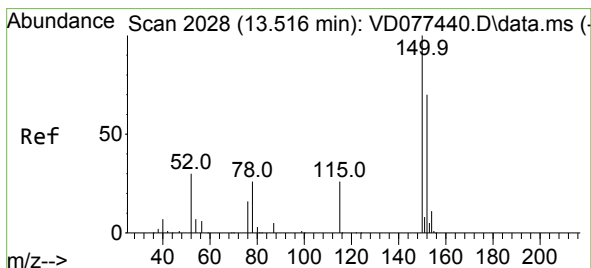
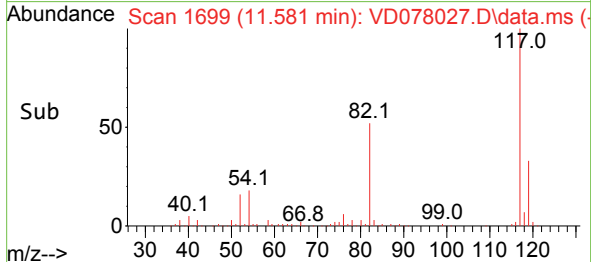
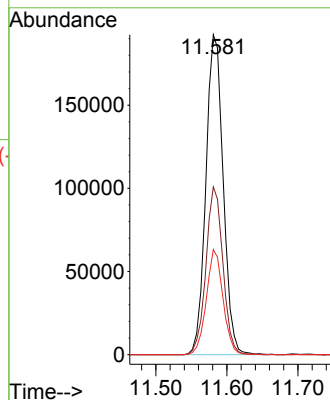
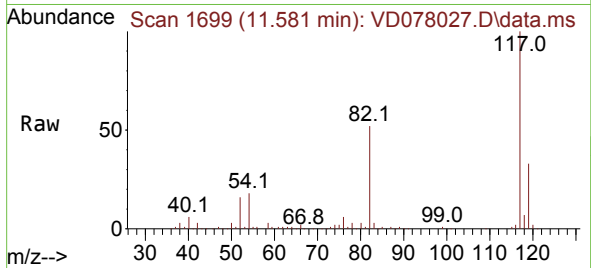




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD078027.D
Acq: 21 Dec 2023 15:51

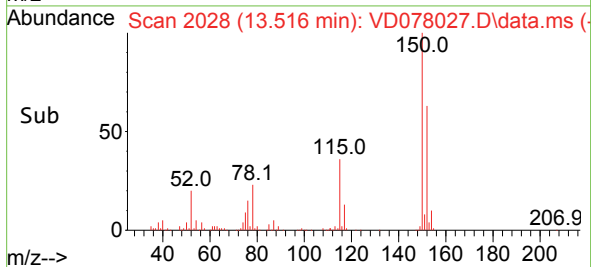
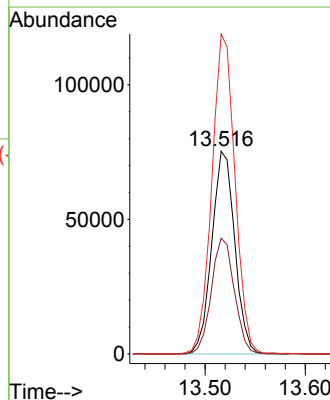
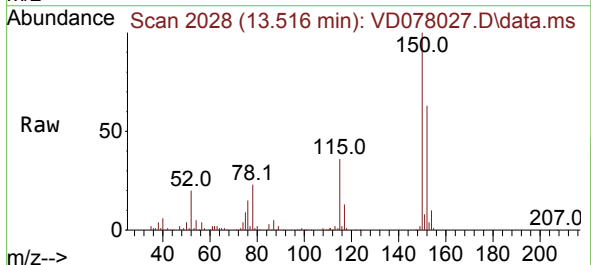
Instrument :
MSVOA_D
ClientSampleId :

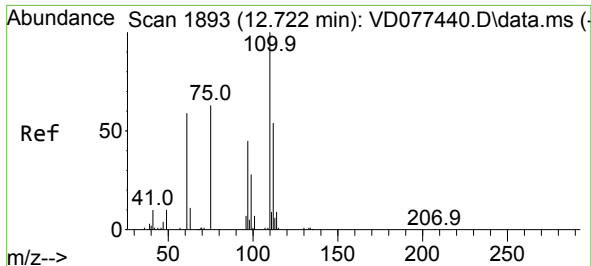
Tgt Ion:117 Resp: 326233
Ion Ratio Lower Upper
117 100
82 52.5 38.3 57.5
119 32.9 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD078027.D
Acq: 21 Dec 2023 15:51

Tgt Ion:152 Resp: 119903
Ion Ratio Lower Upper
152 100
115 57.1 27.1 81.3
150 159.3 0.0 353.6

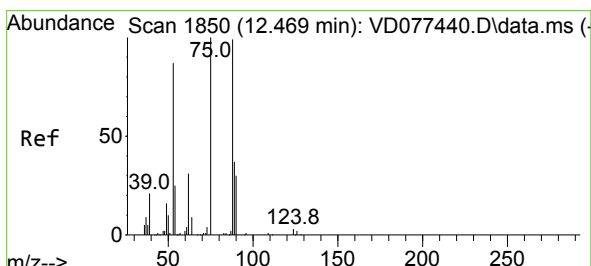
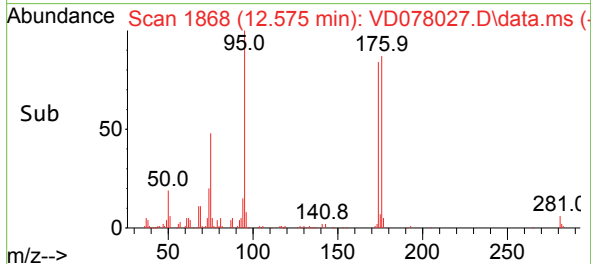
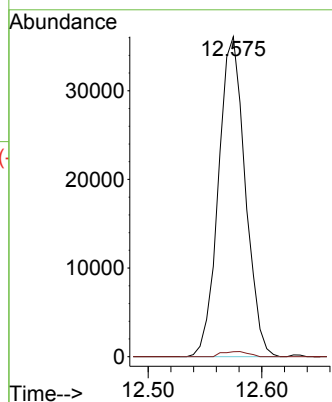
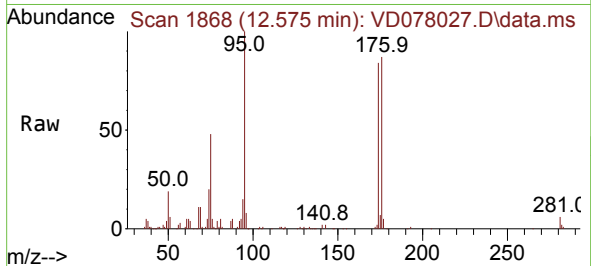




#76
1,2,3-Trichloropropane
Concen: 56.775 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD078027.D
Acq: 21 Dec 2023 15:51

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 59123
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 115.029 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078027.D
Acq: 21 Dec 2023 15:51

Tgt Ion: 75 Resp: 59123
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

