

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122123\
 Data File : VD078028.D
 Acq On : 21 Dec 2023 16:18
 Operator : RP/MD
 Sample : 05926-03
 Misc : 3.54G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 22 05:21:30 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)

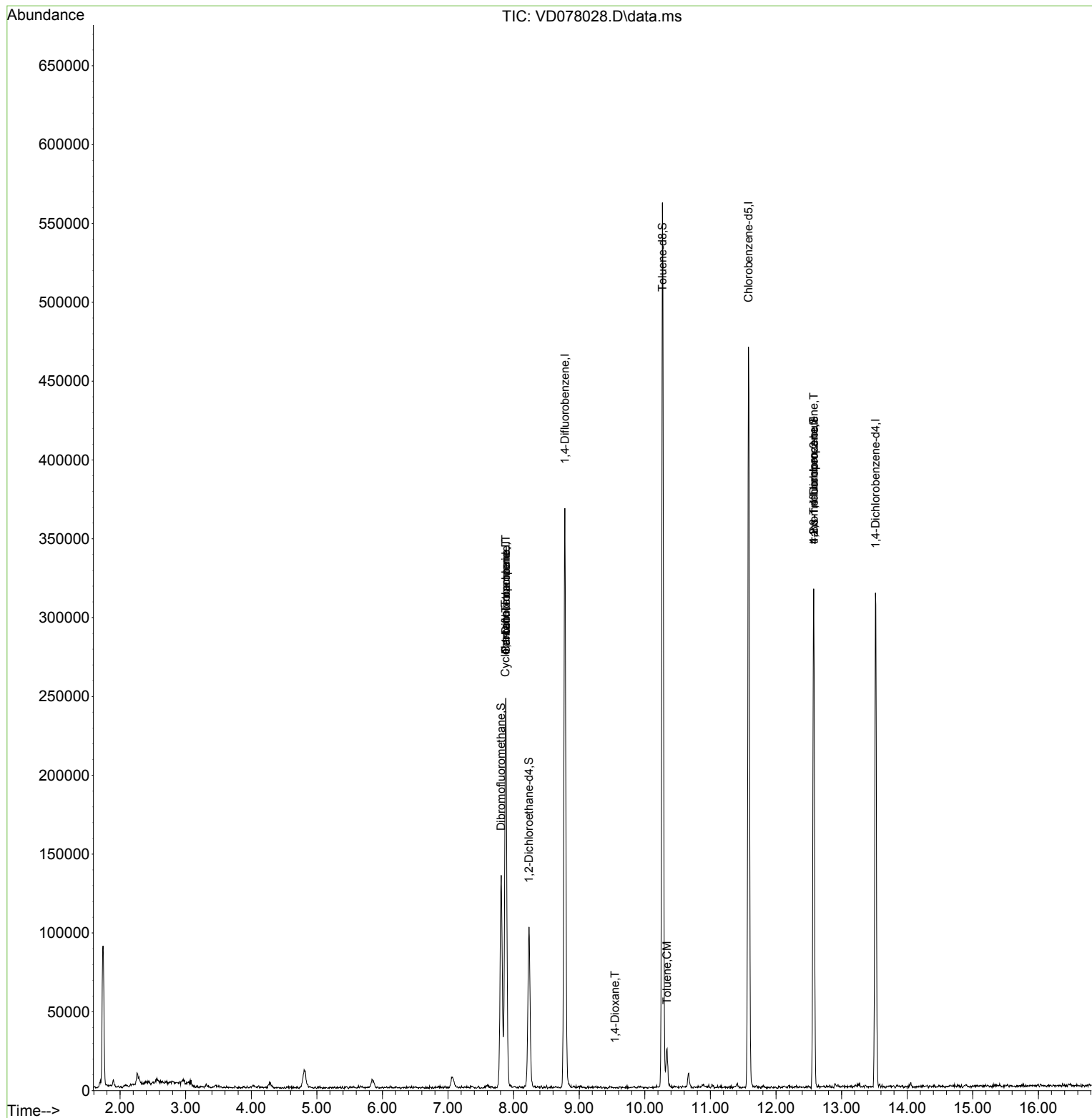
Internal Standards						
1) Pentafluorobenzene	7.881	168	188010	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	329909	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	281843	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	86574	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	76818	34.674	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	69.340%
35) Dibromofluoromethane	7.810	113	95887	41.493	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	82.980%
50) Toluene-d8	10.269	98	401697	43.401	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	86.800%
62) 4-Bromofluorobenzene	12.575	95	95268	34.428	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	68.860%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.058	59	67	Below Cal	#	73
16) Acetone	4.028	43	1513	Below Cal		100
20) Methylene Chloride	4.811	84	8361	Below Cal		87
25) 2-Butanone	7.093	43	647	Below Cal	#	37
31) Cyclohexane	7.875	56	4210	1.068	ug/l #	52
36) 1,1-Dichloropropene	7.881	75	16132	4.364	ug/l #	47
38) Carbon Tetrachloride	7.881	117	18615	5.051	ug/l #	17
49) 1,4-Dioxane	9.546	88	63	4.702	ug/l #	49
52) Toluene	10.340	92	10398	1.598	ug/l	85
76) 1,2,3-Trichloropropane	12.575	75	50453	67.101	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	50453	135.951	ug/l #	17
88) 1,4-Dichlorobenzene	13.534	146	156	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.228	75	54	Below Cal	#	1

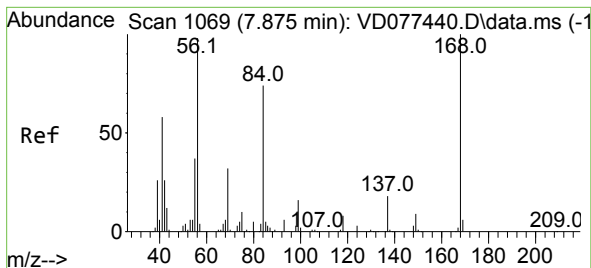
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 22 05:21:30 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: VD078028.D

Acq: 21 Dec 2023 16:18

Instrument :

MSVOA_D

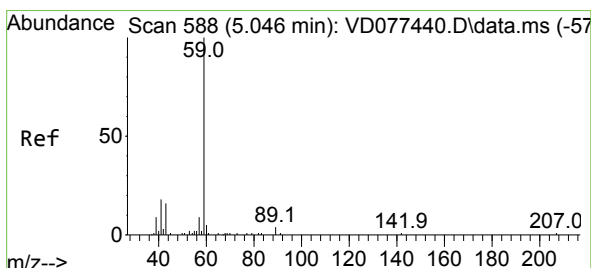
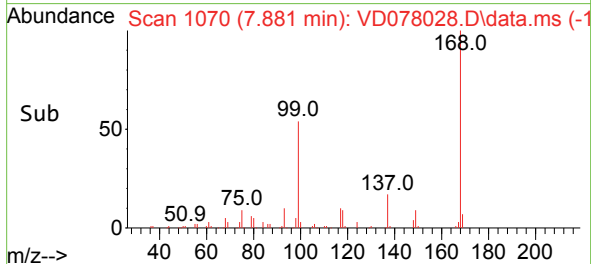
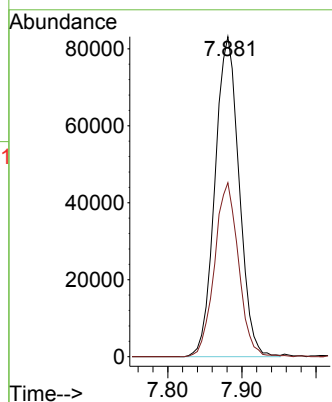
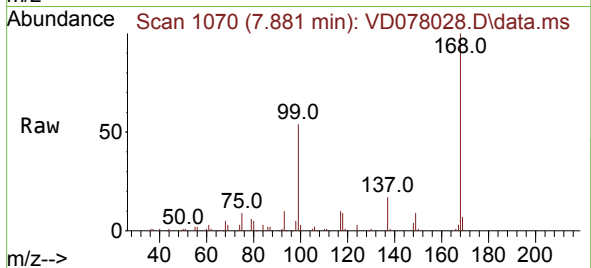
ClientSampleId :

Tgt Ion:168 Resp: 188010

Ion Ratio Lower Upper

168 100

99 54.3 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.058 min Scan# 590

Delta R.T. 0.012 min

Lab File: VD078028.D

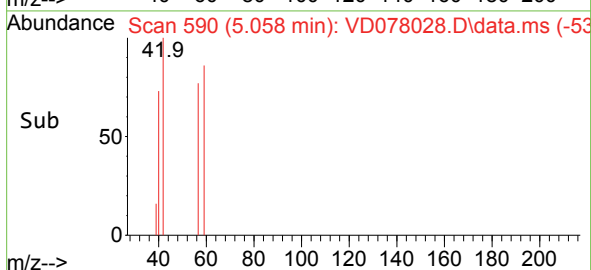
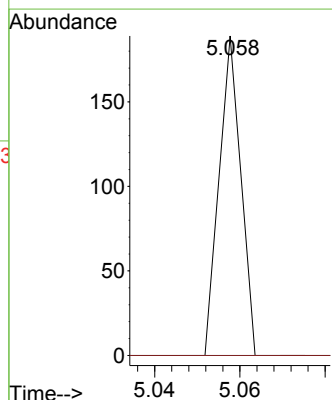
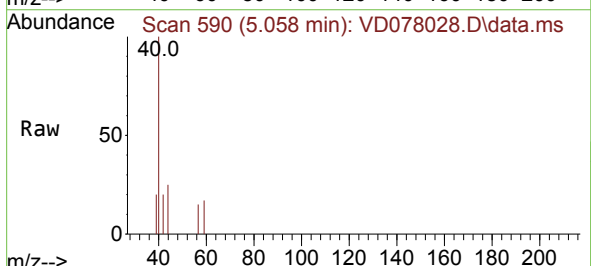
Acq: 21 Dec 2023 16:18

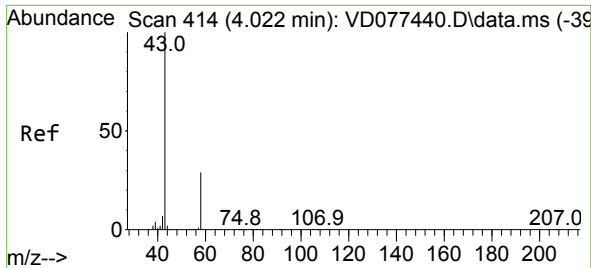
Tgt Ion: 59 Resp: 67

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

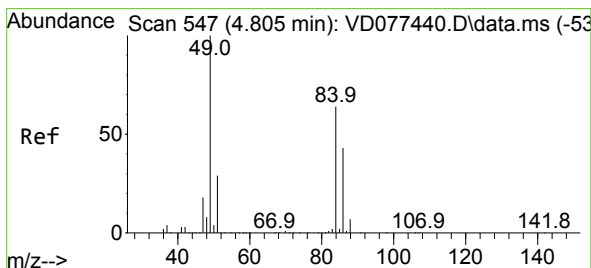
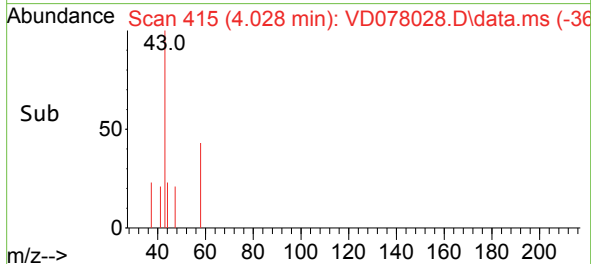
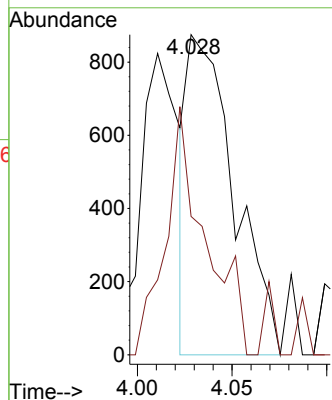
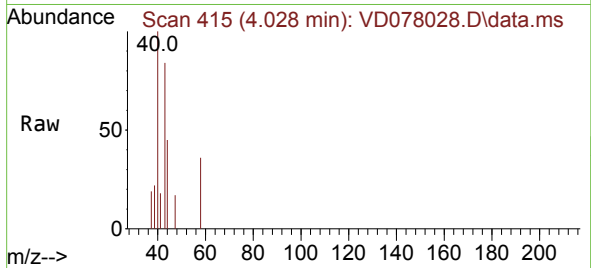




#16
Acetone
Concen: Below Cal
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD078028.D
Acq: 21 Dec 2023 16:18

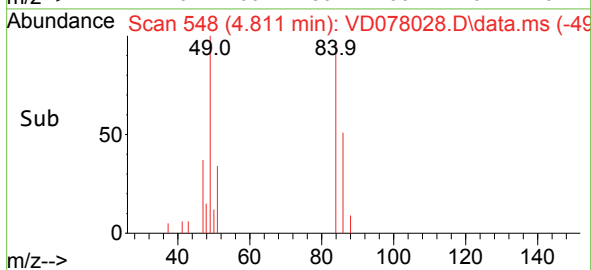
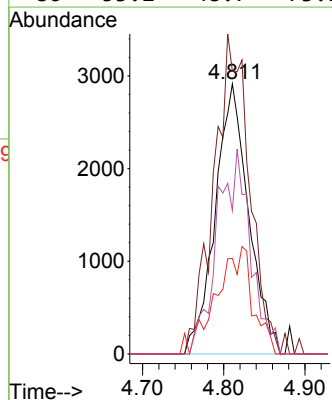
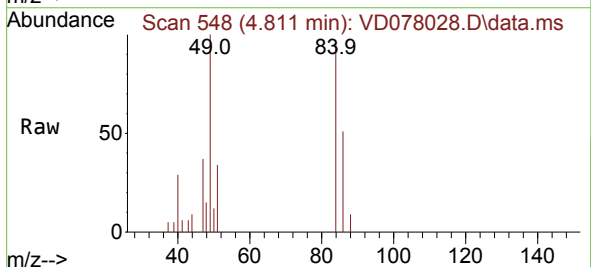
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 1513
Ion Ratio Lower Upper
43 100
58 43.2 34.7 52.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.811 min Scan# 548
Delta R.T. 0.006 min
Lab File: VD078028.D
Acq: 21 Dec 2023 16:18

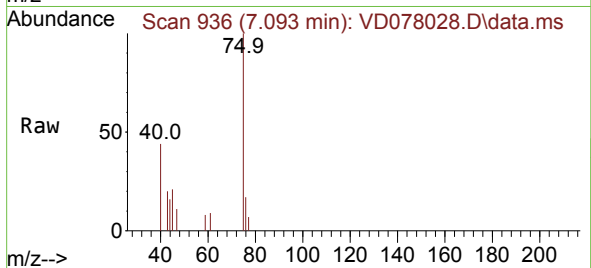
Tgt Ion: 84 Resp: 8361
Ion Ratio Lower Upper
84 100
49 104.7 71.4 107.2
51 35.3 24.5 36.7
86 53.2 48.7 73.1



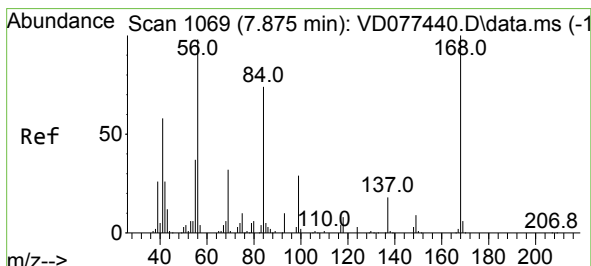
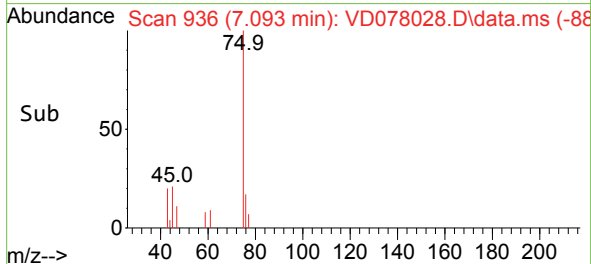
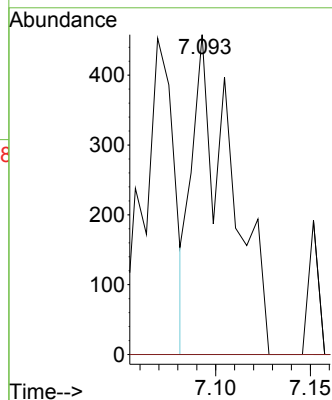


#25
2-Butanone
Concen: Below Cal
RT: 7.093 min Scan# 91
Delta R.T. 0.012 min
Lab File: VD078028.D
Acq: 21 Dec 2023 16:18

Instrument :
MSVOA_D
ClientSampleId :

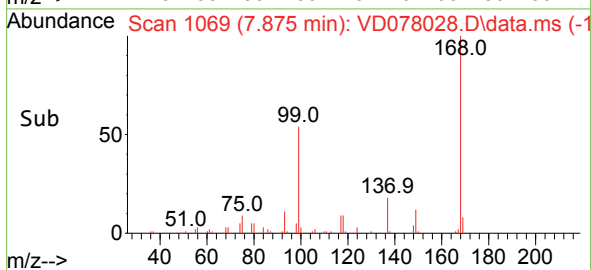
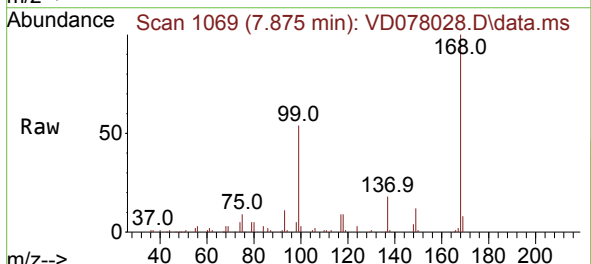
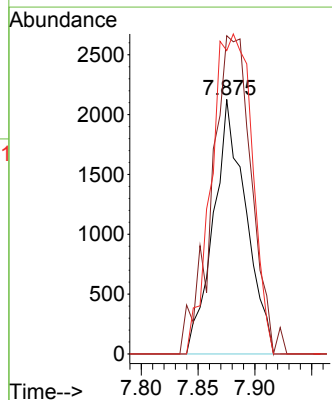


Tgt Ion: 43 Resp: 647
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.068 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD078028.D
Acq: 21 Dec 2023 16:18

Tgt Ion: 56 Resp: 4210
Ion Ratio Lower Upper
56 100
69 125.0 28.6 43.0#
84 119.2 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 34.674 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD078028.D

Acq: 21 Dec 2023 16:18

Instrument :

MSVOA_D

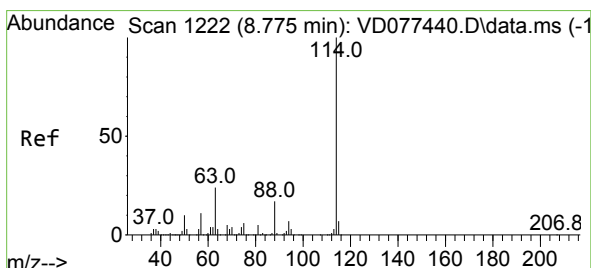
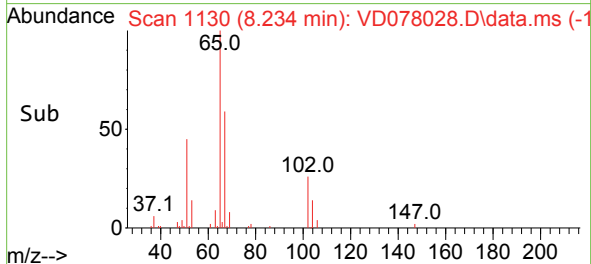
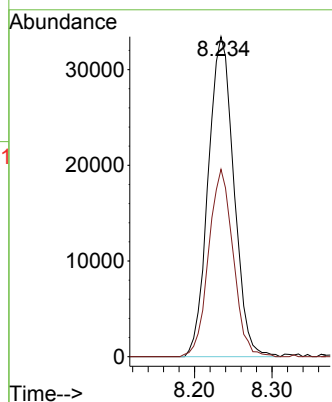
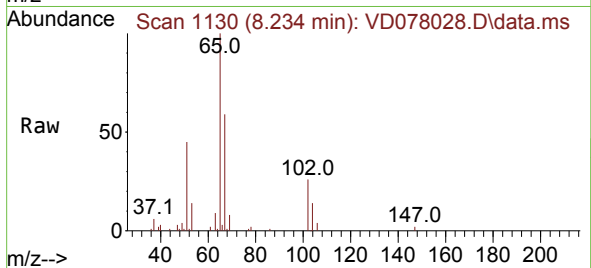
ClientSampleId :

Tgt Ion: 65 Resp: 76818

Ion Ratio Lower Upper

65 100

67 56.0 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD078028.D

Acq: 21 Dec 2023 16:18

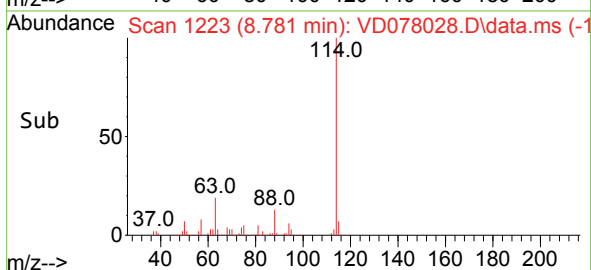
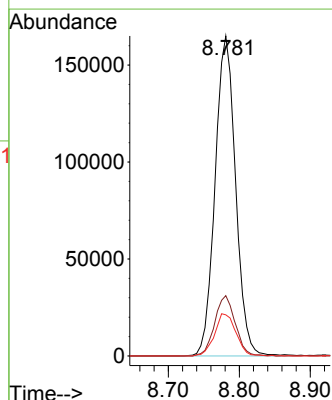
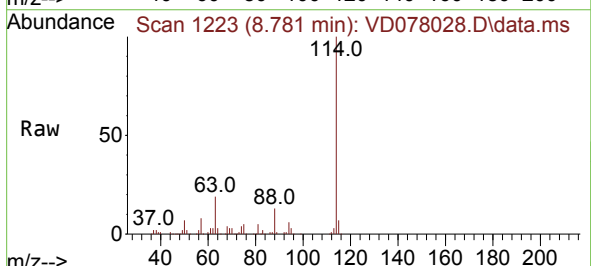
Tgt Ion: 114 Resp: 329909

Ion Ratio Lower Upper

114 100

63 18.8 0.0 33.4

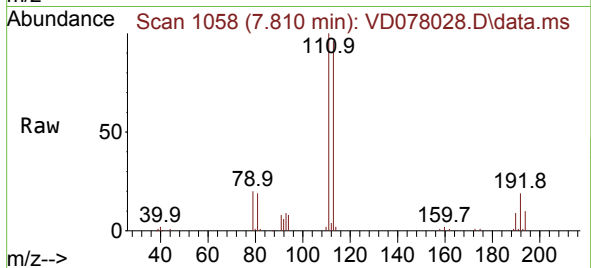
88 12.9 0.0 26.2



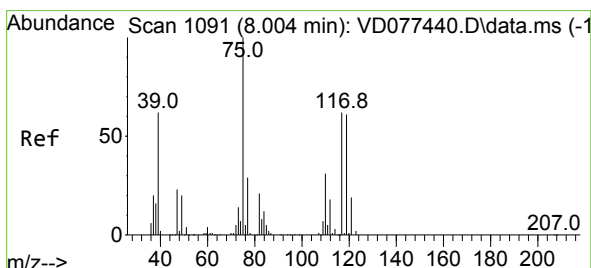
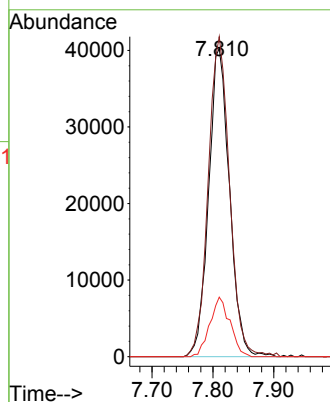
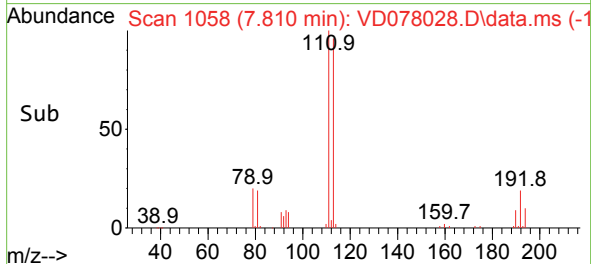


#35
Dibromofluoromethane
Concen: 41.493 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD078028.D
Acq: 21 Dec 2023 16:18

Instrument :
MSVOA_D
ClientSampleId :

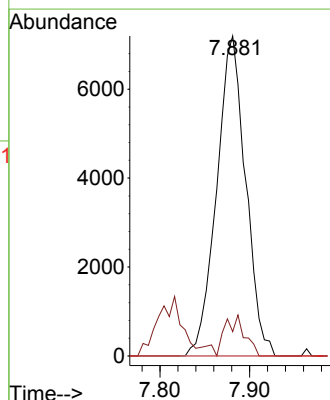
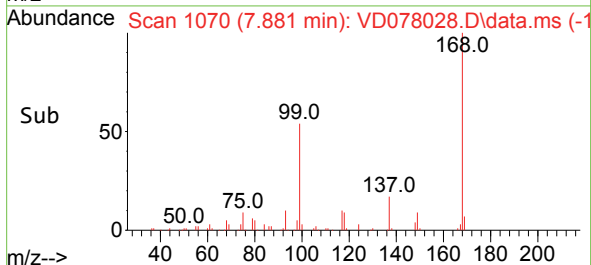
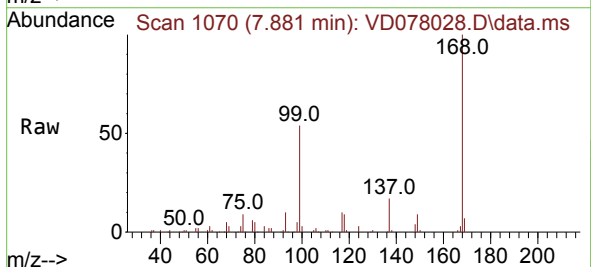


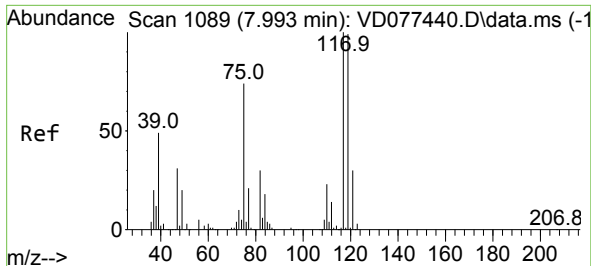
Tgt Ion:113 Resp: 95887
Ion Ratio Lower Upper
113 100
111 106.2 84.7 127.1
192 18.7 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.364 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.123 min
Lab File: VD078028.D
Acq: 21 Dec 2023 16:18

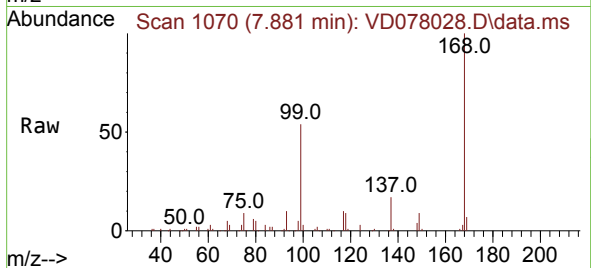
Tgt Ion: 75 Resp: 16132
Ion Ratio Lower Upper
75 100
110 8.5 19.9 59.6#
77 0.0 24.7 37.1#



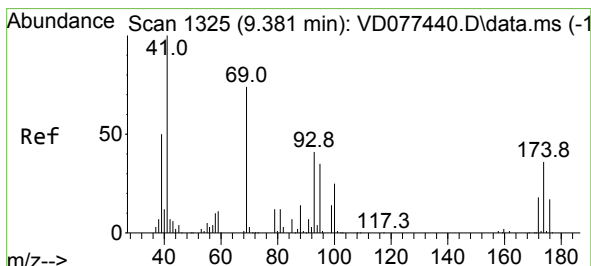
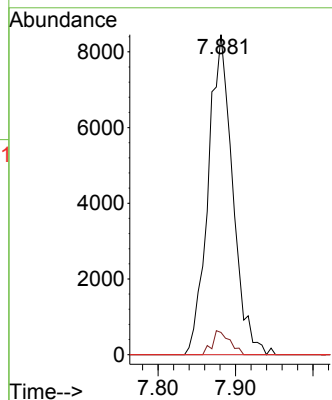
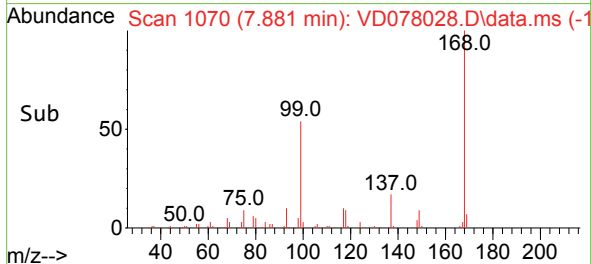


#38
Carbon Tetrachloride
Concen: 5.051 ug/l
RT: 7.881 min Scan# 1089
Delta R.T. -0.112 min
Lab File: VD078028.D
Acq: 21 Dec 2023 16:18

Instrument :
MSVOA_D
ClientSampleId :

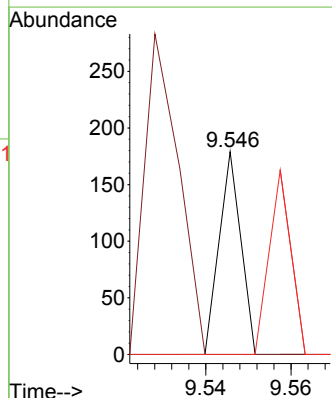
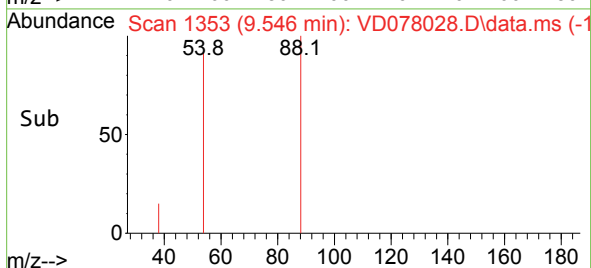
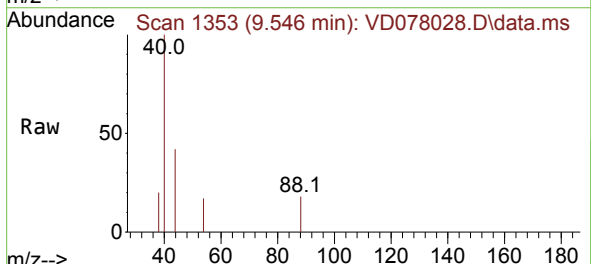


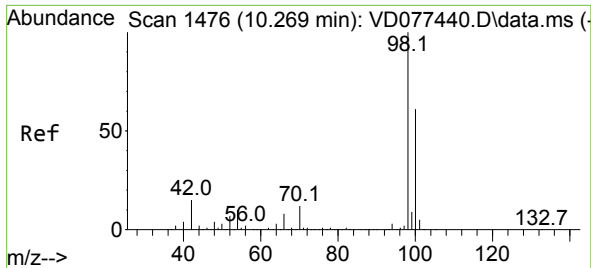
Tgt Ion:117 Resp: 18615
Ion Ratio Lower Upper
117 100
119 7.0 78.0 117.0#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 4.702 ug/l
RT: 9.546 min Scan# 1353
Delta R.T. 0.165 min
Lab File: VD078028.D
Acq: 21 Dec 2023 16:18

Tgt Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
43 0.0 19.0 28.6#
58 92.1 43.5 65.3#

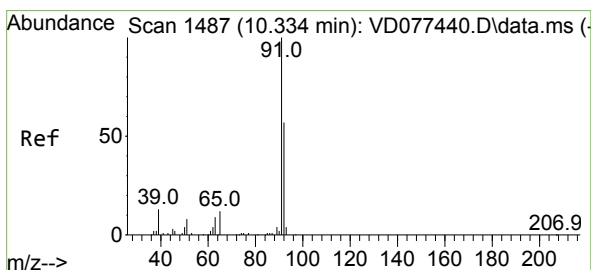
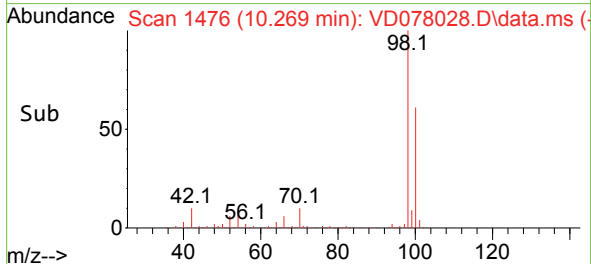
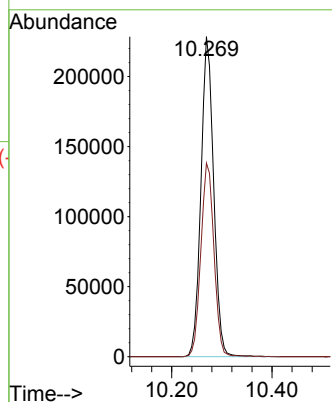
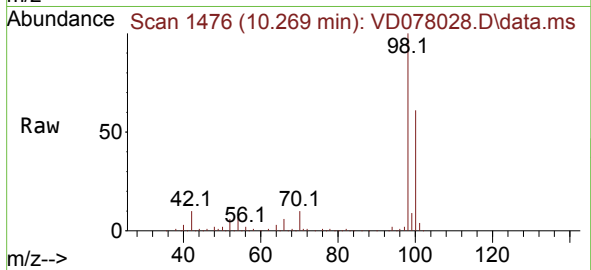




#50
Toluene-d8
Concen: 43.401 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078028.D
Acq: 21 Dec 2023 16:18

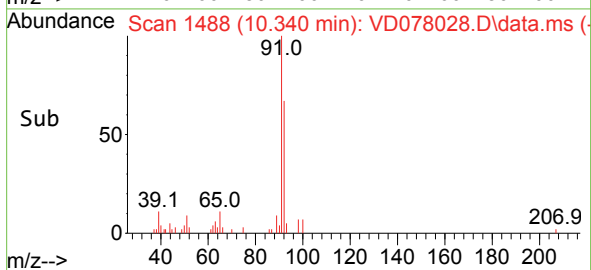
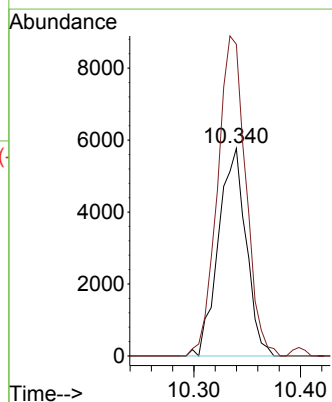
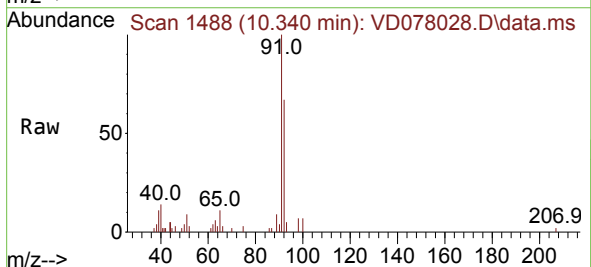
Instrument :
MSVOA_D
ClientSampleId :

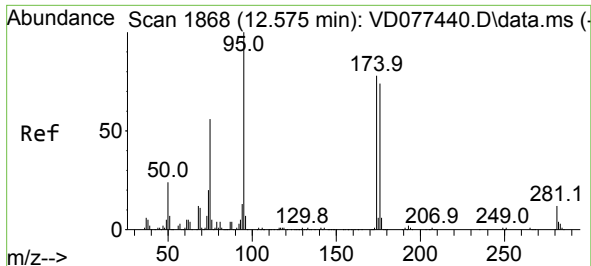
Tgt Ion: 98 Resp: 401697
Ion Ratio Lower Upper
98 100
100 62.6 50.3 75.5



#52
Toluene
Concen: 1.598 ug/l
RT: 10.340 min Scan# 1488
Delta R.T. 0.006 min
Lab File: VD078028.D
Acq: 21 Dec 2023 16:18

Tgt Ion: 92 Resp: 10398
Ion Ratio Lower Upper
92 100
91 158.1 143.0 214.4

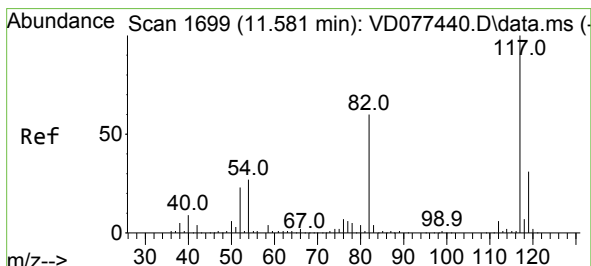
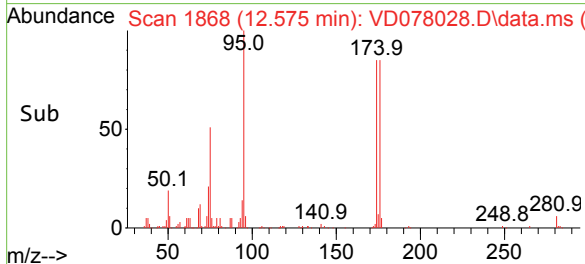
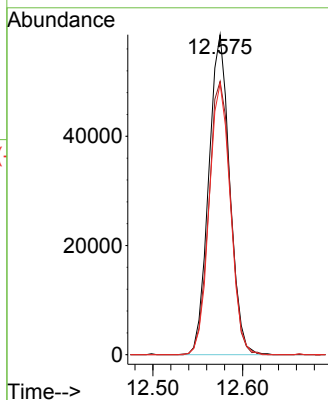
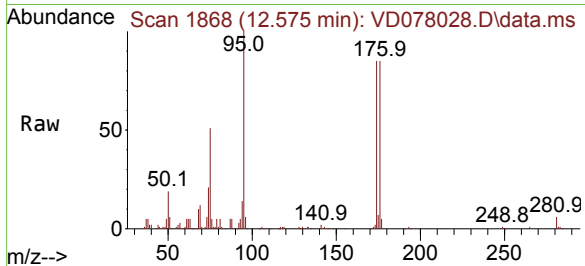




#62
4-Bromofluorobenzene
Concen: 34.428 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078028.D
Acq: 21 Dec 2023 16:18

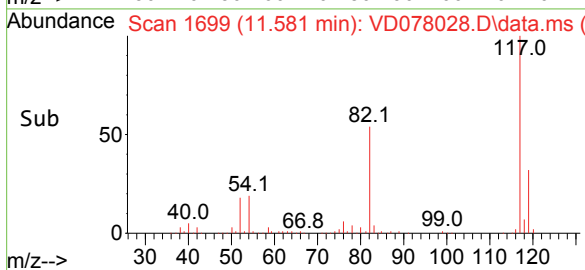
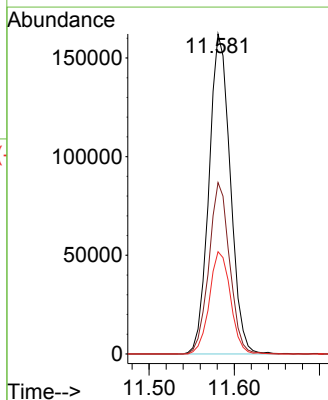
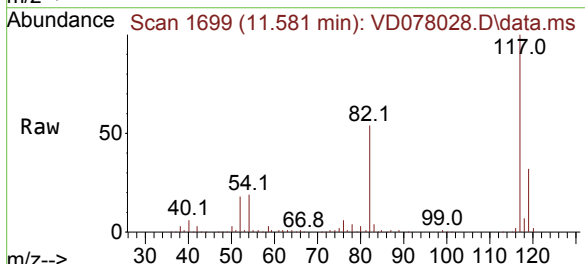
Instrument :
MSVOA_D
ClientSampleId :

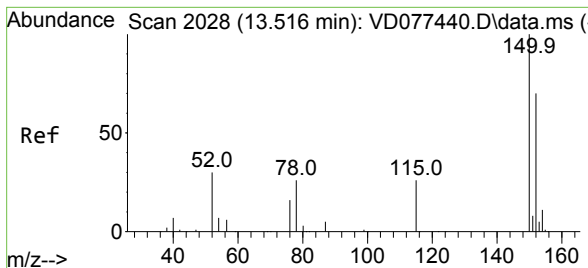
Tgt Ion: 95 Resp: 95268
Ion Ratio Lower Upper
95 100
174 88.8 0.0 201.8
176 85.5 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD078028.D
Acq: 21 Dec 2023 16:18

Tgt Ion: 117 Resp: 281843
Ion Ratio Lower Upper
117 100
82 53.6 38.3 57.5
119 32.0 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. 0.000 min

Lab File: VD078028.D

Acq: 21 Dec 2023 16:18

Instrument :

MSVOA_D

ClientSampleId :

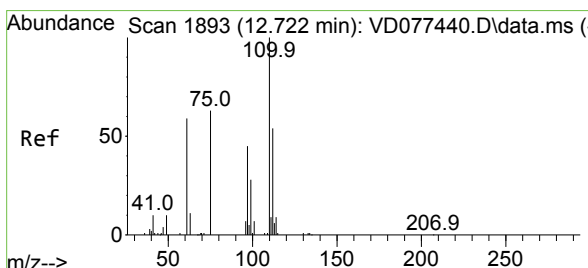
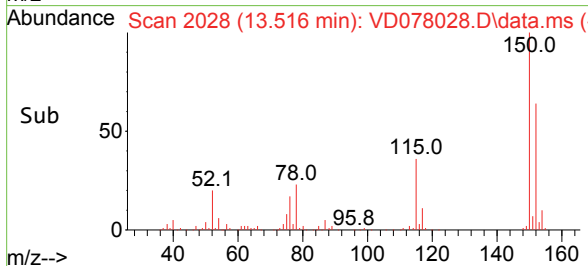
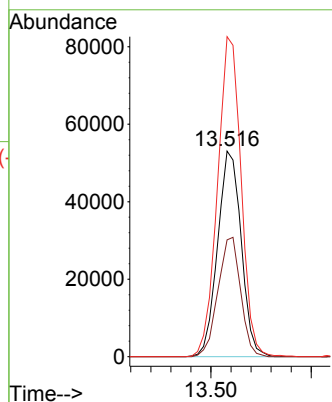
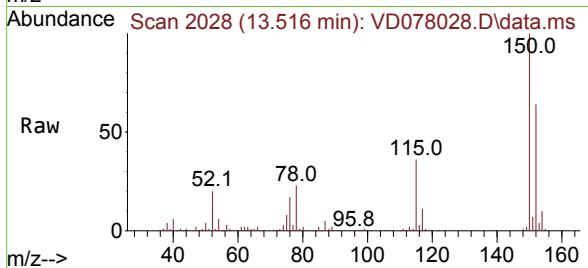
Tgt Ion:152 Resp: 86574

Ion Ratio Lower Upper

152 100

115 55.8 27.1 81.3

150 155.6 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 67.101 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD078028.D

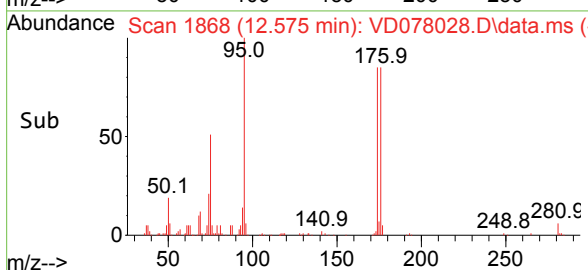
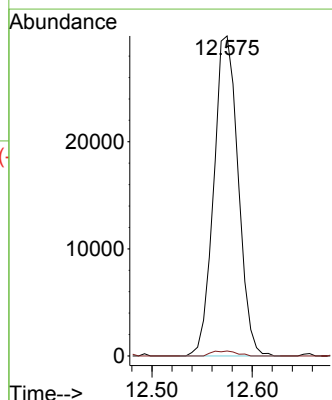
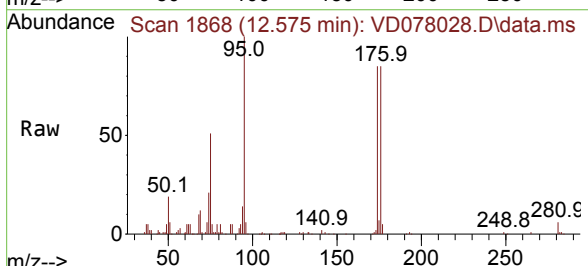
Acq: 21 Dec 2023 16:18

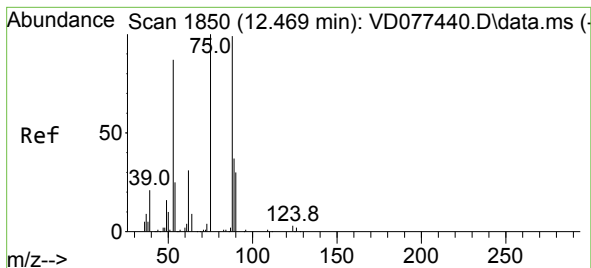
Tgt Ion: 75 Resp: 50453

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#

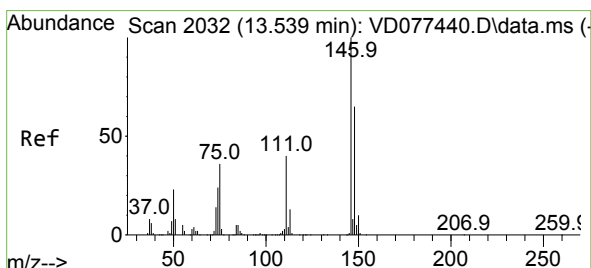
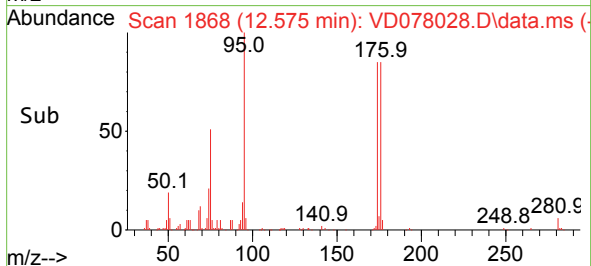
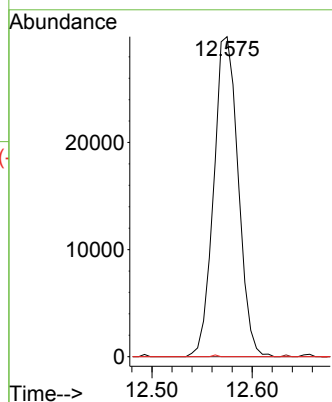
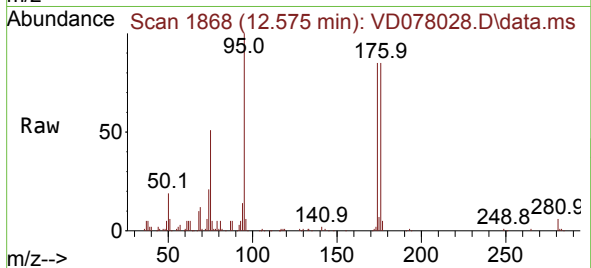




#81
trans-1,4-Dichloro-2-butene
Concen: 135.951 ug/l
RT: 12.575 min Scan# 1850
Delta R.T. 0.106 min
Lab File: VD078028.D
Acq: 21 Dec 2023 16:18

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 50453
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.1 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: VD078028.D
Acq: 21 Dec 2023 16:18

Tgt Ion:146 Resp: 156
Ion Ratio Lower Upper
146 100
111 700.0 17.4 52.3#
148 441.7 31.7 95.1#

