

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122023\
 Data File : VD078007.D
 Acq On : 20 Dec 2023 21:44
 Operator : RP/MD
 Sample : VD1220SBL02
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 21 05:30:23 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)

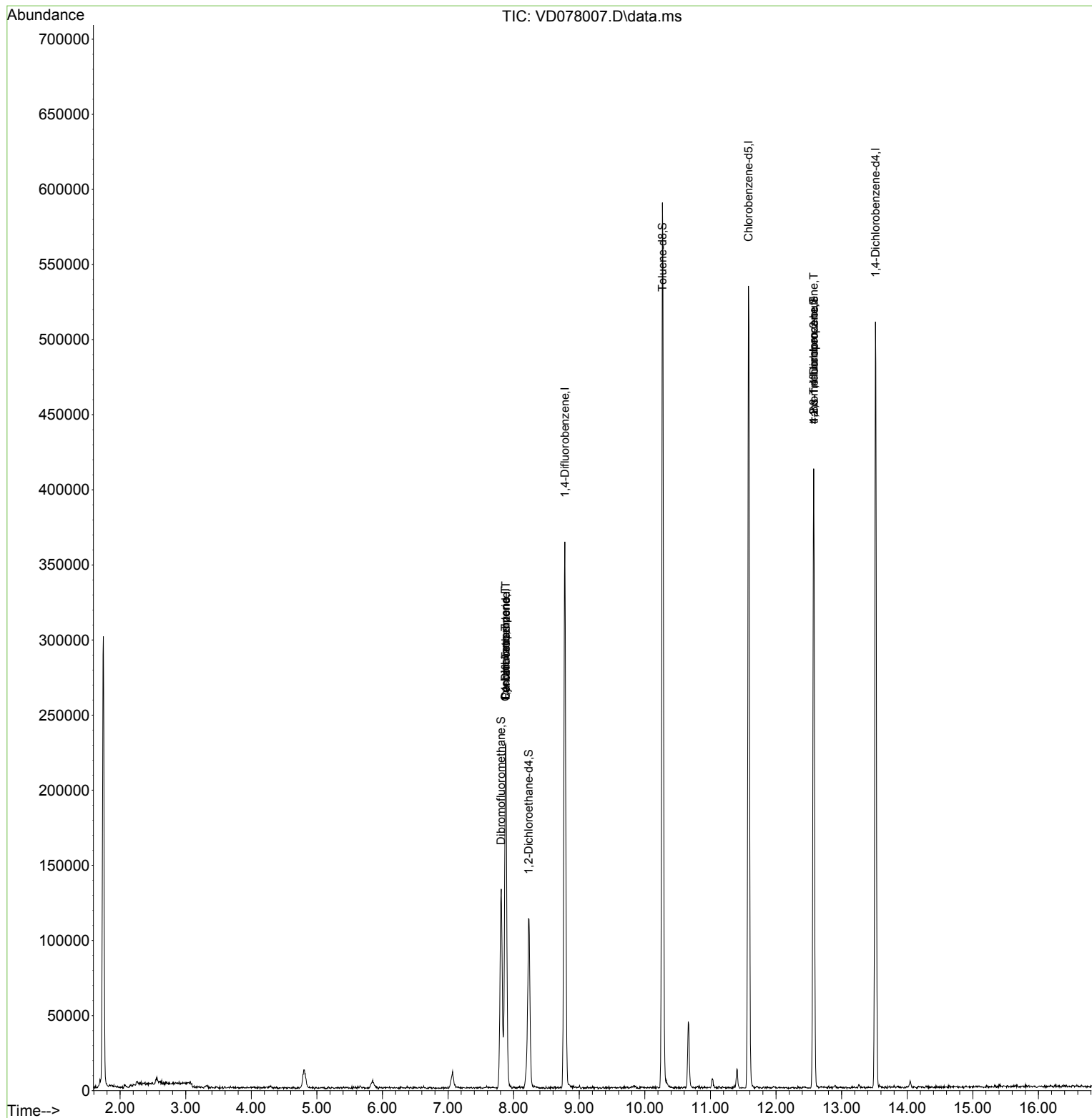
Internal Standards						
1) Pentafluorobenzene	7.881	168	178259	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	324094	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	306557	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	137733	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	86039	40.961	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	81.920%		
35) Dibromofluoromethane	7.810	113	96655	42.576	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	85.160%		
50) Toluene-d8	10.269	98	410831	45.184	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.360%		
62) 4-Bromofluorobenzene	12.575	95	118816	43.709	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	87.420%		
Target Compounds						
11) Tert butyl alcohol	5.069	59	75	Below Cal	#	73
16) Acetone	4.028	43	438	Below Cal	#	79
20) Methylene Chloride	4.793	84	8934	Below Cal	#	85
25) 2-Butanone	7.057	43	406	Below Cal	#	37
31) Cyclohexane	7.875	56	4116	1.102	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	14609	4.023	ug/l #	48
38) Carbon Tetrachloride	7.881	117	18023	4.979	ug/l #	17
76) 1,2,3-Trichloropropane	12.575	75	61491	51.405	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	61491	104.149	ug/l #	17
88) 1,4-Dichlorobenzene	13.534	146	245	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.175	75	59	Below Cal	#	1

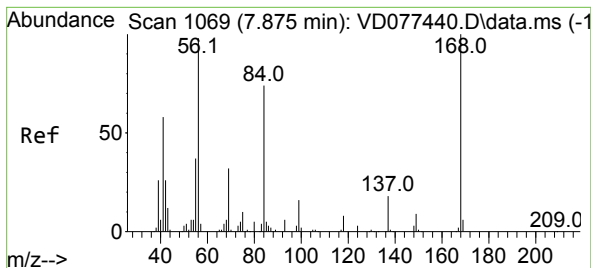
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VD078007.D
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ClientSampleId :

Quant Time: Dec 21 05:30:23 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: VD078007.D

Acq: 20 Dec 2023 21:44

Instrument :

MSVOA_D

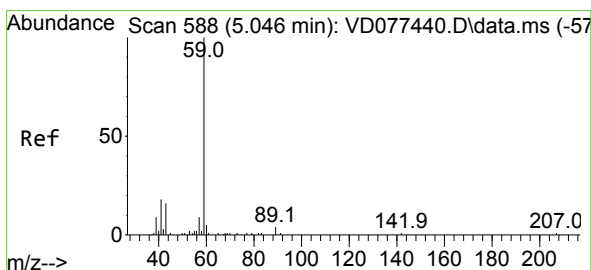
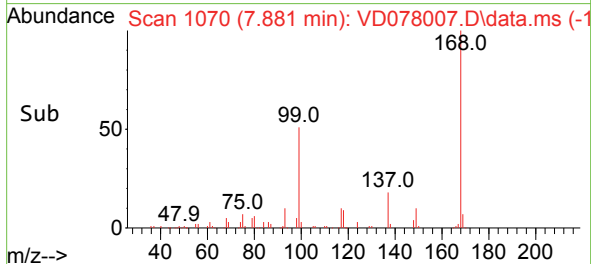
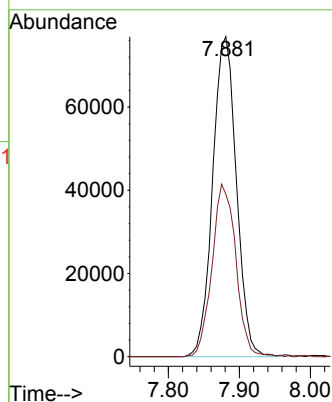
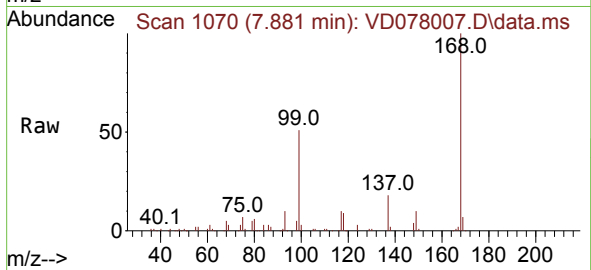
ClientSampleId :

Tgt Ion:168 Resp: 178259

Ion Ratio Lower Upper

168 100

99 50.8 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.069 min Scan# 592

Delta R.T. 0.023 min

Lab File: VD078007.D

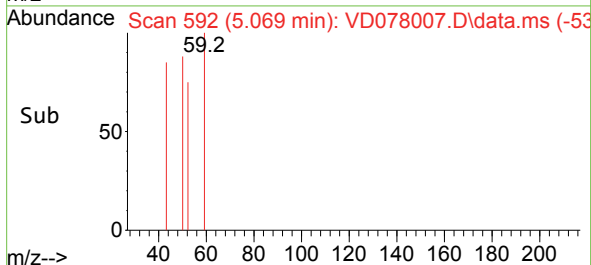
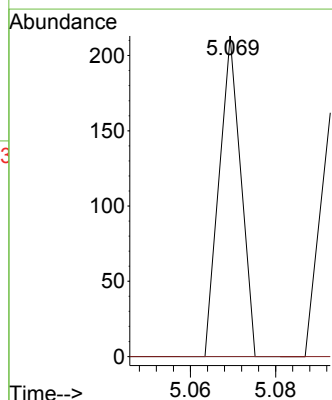
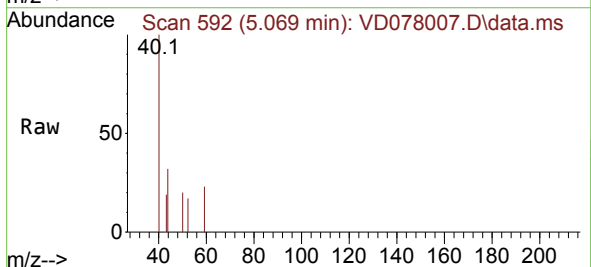
Acq: 20 Dec 2023 21:44

Tgt Ion: 59 Resp: 75

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

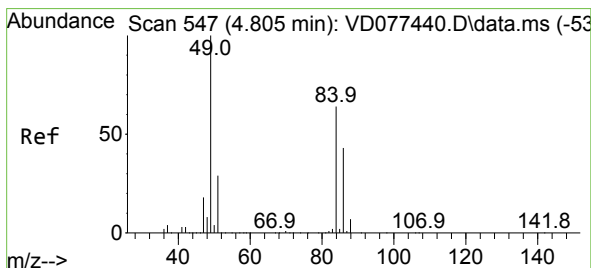
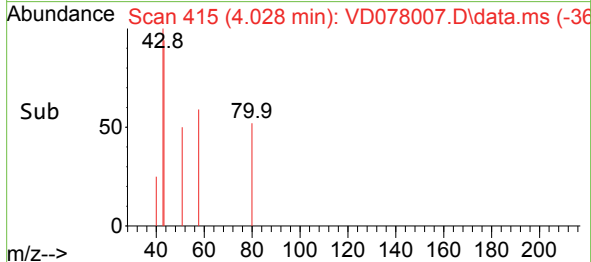
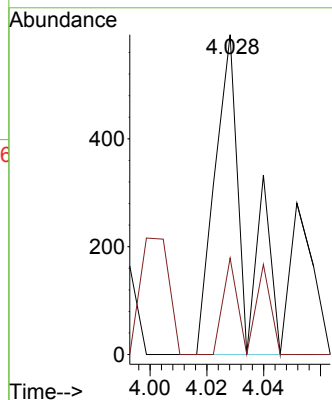
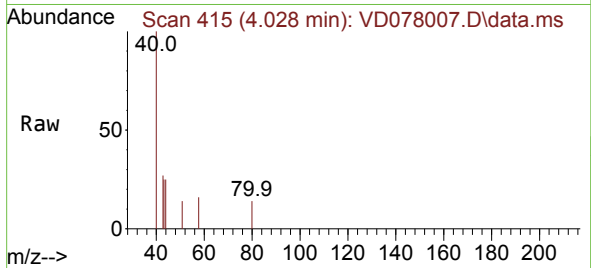




#16
Acetone
Concen: Below Cal
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD078007.D
Acq: 20 Dec 2023 21:44

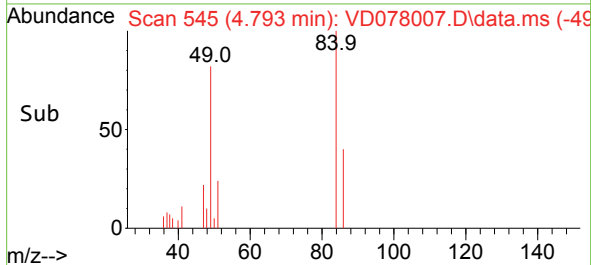
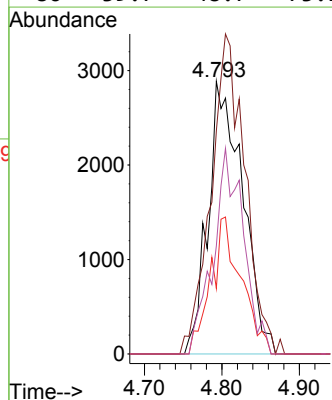
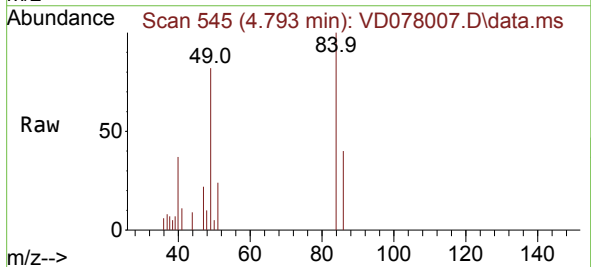
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 438
Ion Ratio Lower Upper
43 100
58 30.2 34.7 52.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.793 min Scan# 545
Delta R.T. -0.012 min
Lab File: VD078007.D
Acq: 20 Dec 2023 21:44

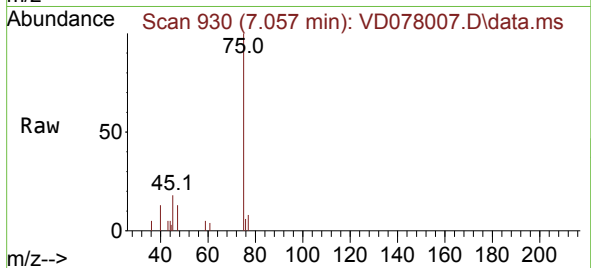
Tgt Ion: 84 Resp: 8934
Ion Ratio Lower Upper
84 100
49 81.9 71.4 107.2
51 24.0 24.5 36.7#
86 39.7 48.7 73.1#



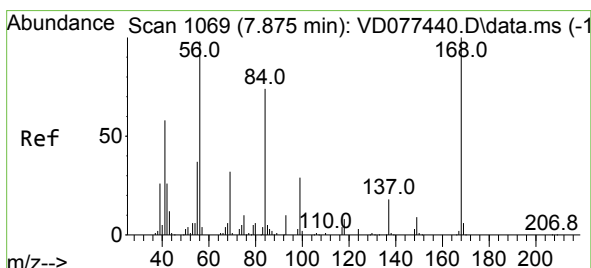
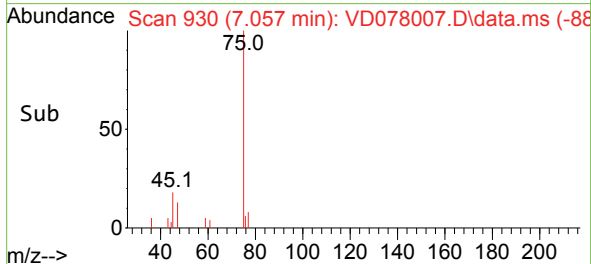
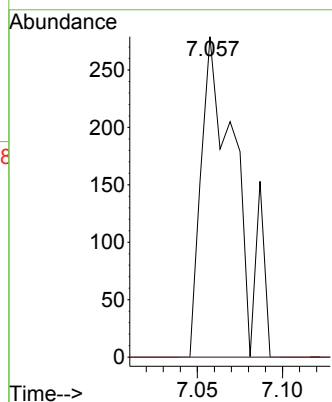


#25
2-Butanone
Concen: Below Cal
RT: 7.057 min Scan# 91
Delta R.T. -0.024 min
Lab File: VD078007.D
Acq: 20 Dec 2023 21:44

Instrument :
MSVOA_D
ClientSampleId :

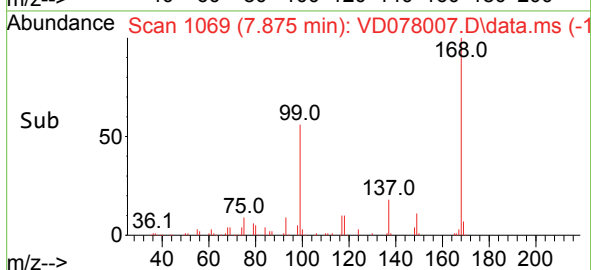
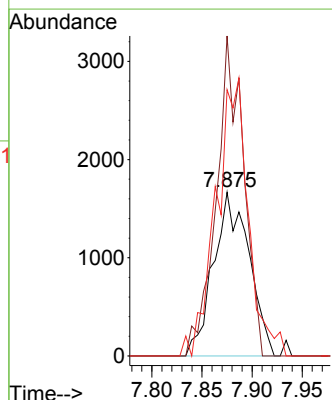
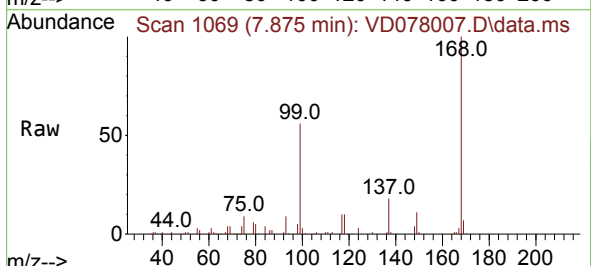


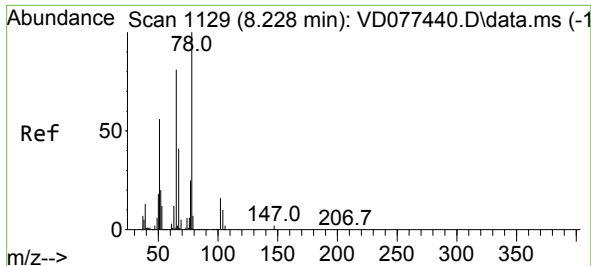
Tgt Ion: 43 Resp: 406
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.102 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD078007.D
Acq: 20 Dec 2023 21:44

Tgt Ion: 56 Resp: 4116
Ion Ratio Lower Upper
56 100
69 195.5 28.6 43.0#
84 162.7 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 40.961 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD078007.D

Acq: 20 Dec 2023 21:44

Instrument :

MSVOA_D

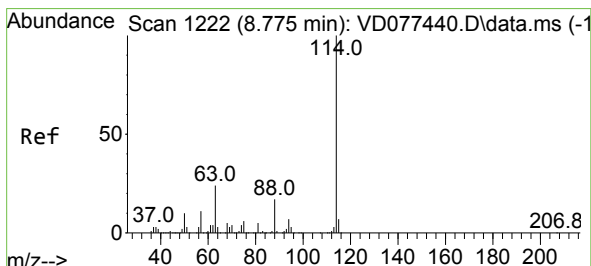
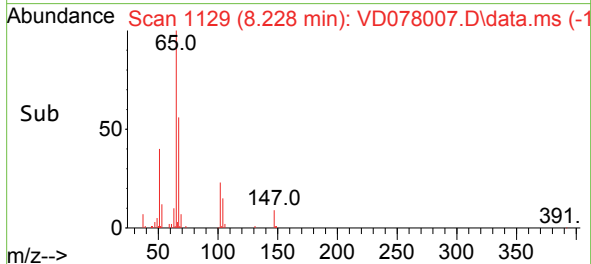
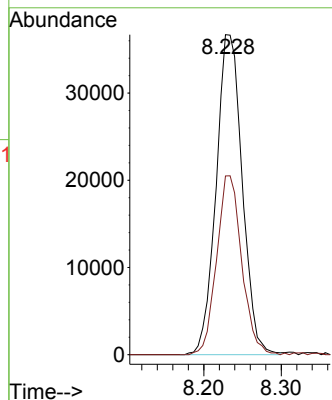
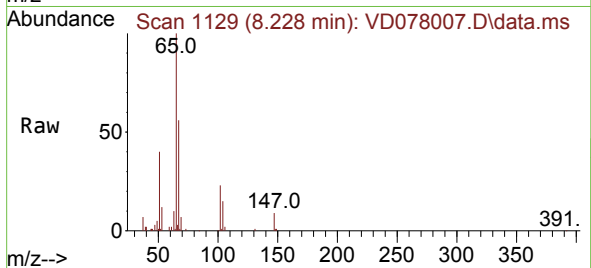
ClientSampleId :

Tgt Ion: 65 Resp: 86039

Ion Ratio Lower Upper

65 100

67 53.7 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: VD078007.D

Acq: 20 Dec 2023 21:44

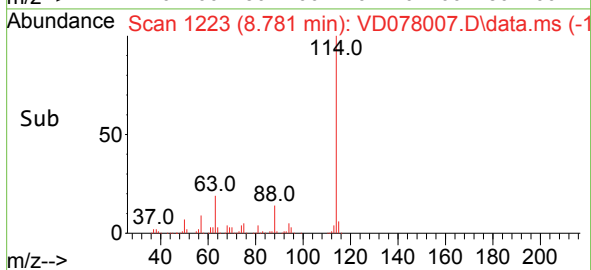
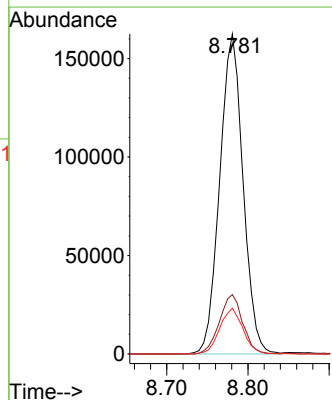
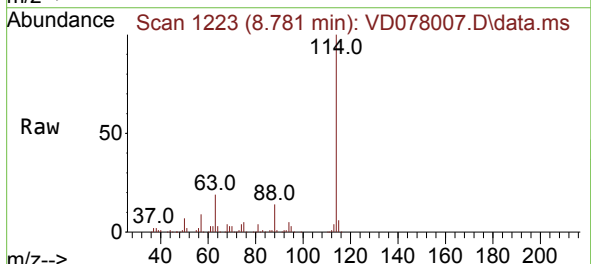
Tgt Ion: 114 Resp: 324094

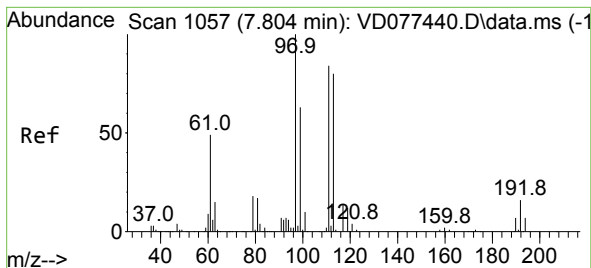
Ion Ratio Lower Upper

114 100

63 18.6 0.0 33.4

88 14.3 0.0 26.2





#35

Dibromofluoromethane

Concen: 42.576 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

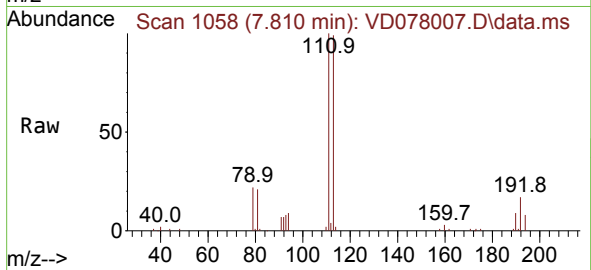
Lab File: VD078007.D

Acq: 20 Dec 2023 21:44

Instrument :

MSVOA_D

ClientSampleId :



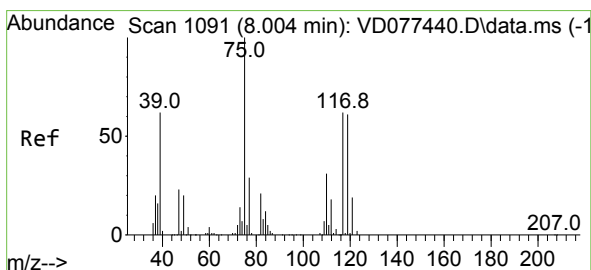
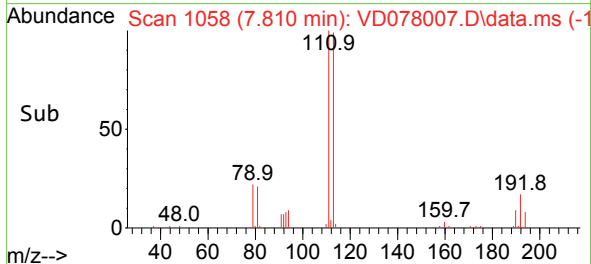
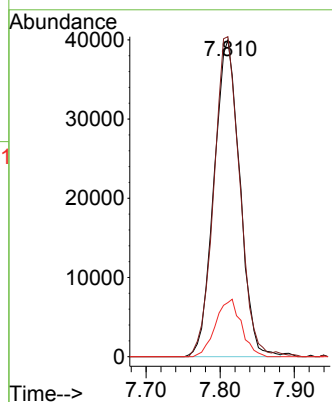
Tgt Ion:113 Resp: 96655

Ion Ratio Lower Upper

113 100

111 101.1 84.7 127.1

192 18.1 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.023 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD078007.D

Acq: 20 Dec 2023 21:44

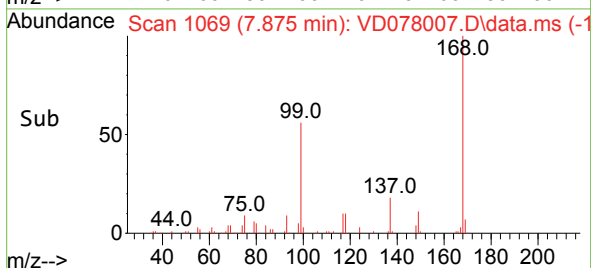
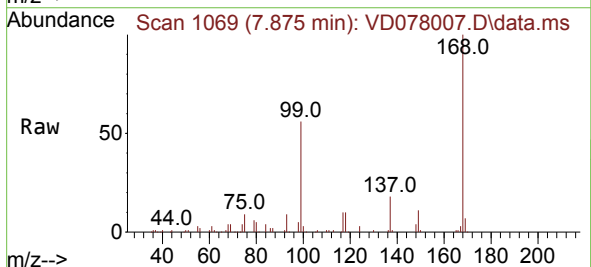
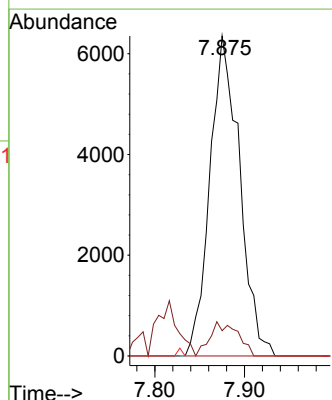
Tgt Ion: 75 Resp: 14609

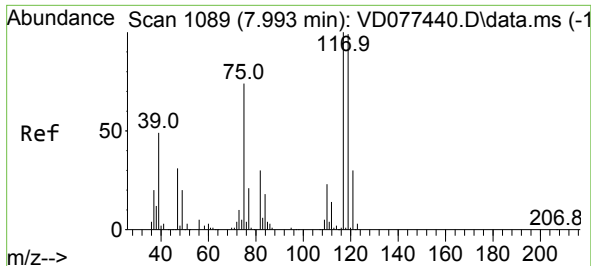
Ion Ratio Lower Upper

75 100

110 9.9 19.9 59.6#

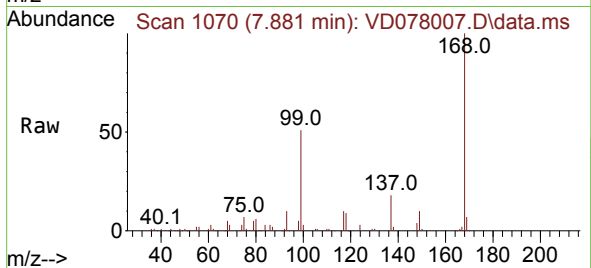
77 0.0 24.7 37.1#



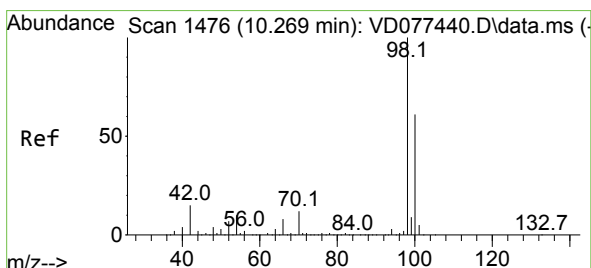
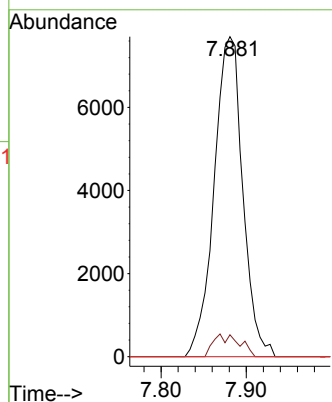
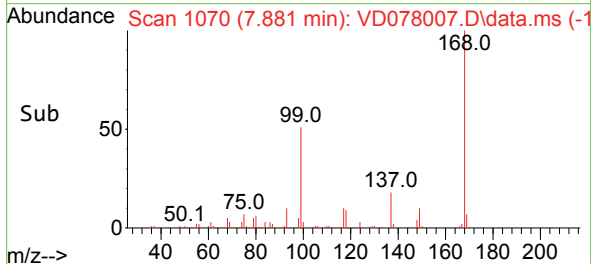


#38
Carbon Tetrachloride
Concen: 4.979 ug/l
RT: 7.881 min Scan# 1089
Delta R.T. -0.112 min
Lab File: VD078007.D
Acq: 20 Dec 2023 21:44

Instrument :
MSVOA_D
ClientSampleId :

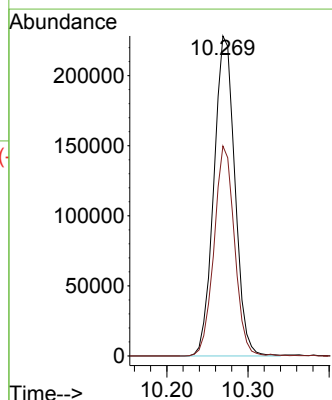
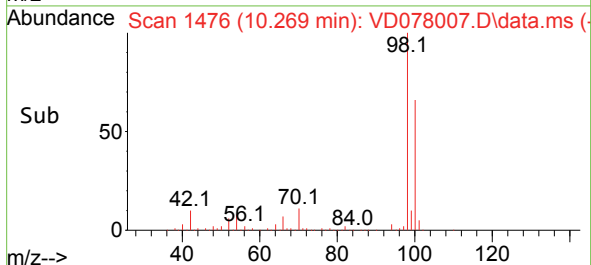
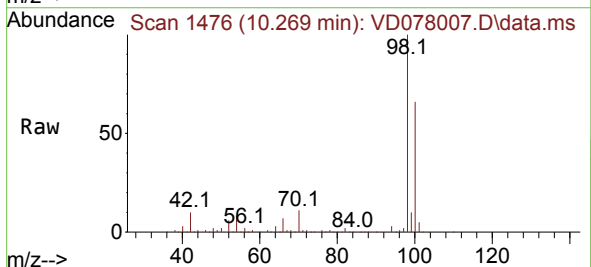


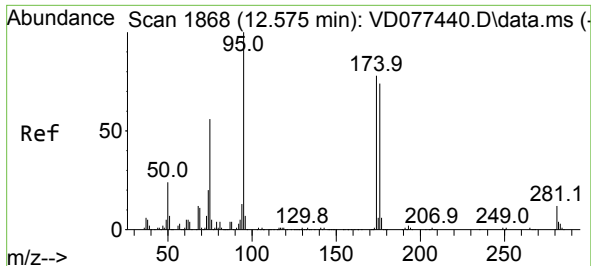
Tgt Ion:117 Resp: 18023
Ion Ratio Lower Upper
117 100
119 6.8 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 45.184 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078007.D
Acq: 20 Dec 2023 21:44

Tgt Ion: 98 Resp: 410831
Ion Ratio Lower Upper
98 100
100 64.1 50.3 75.5

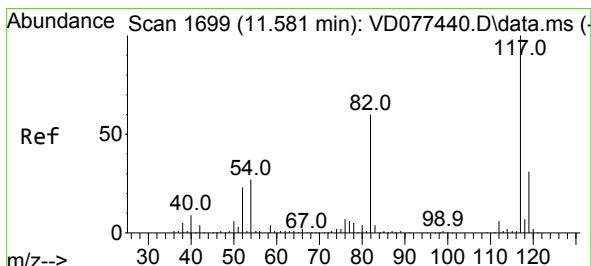
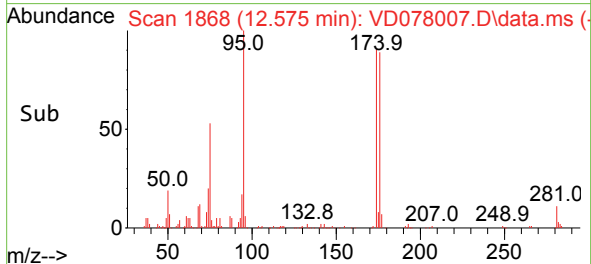
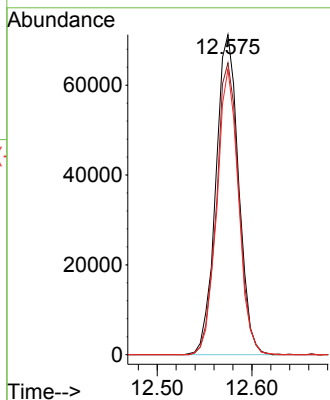
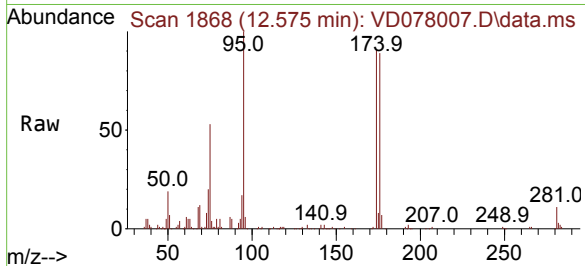




#62
4-Bromofluorobenzene
Concen: 43.709 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078007.D
Acq: 20 Dec 2023 21:44

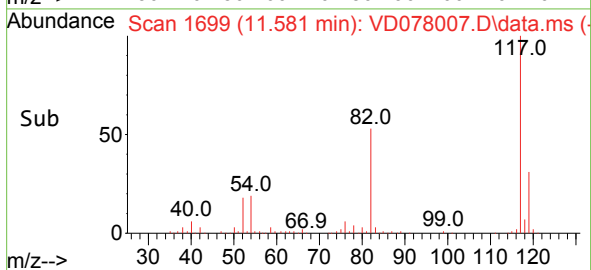
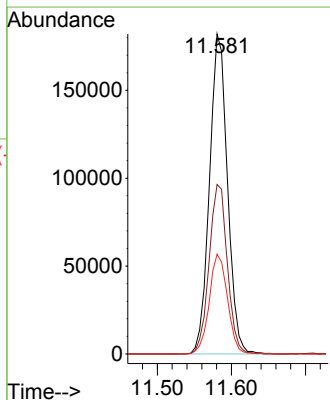
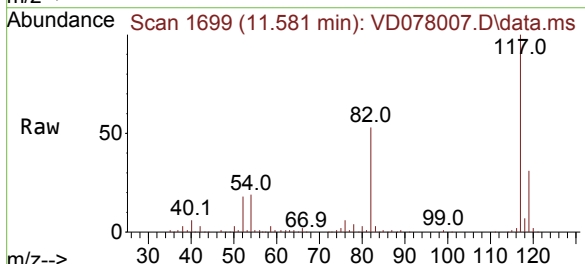
Instrument :
MSVOA_D
ClientSampleId :

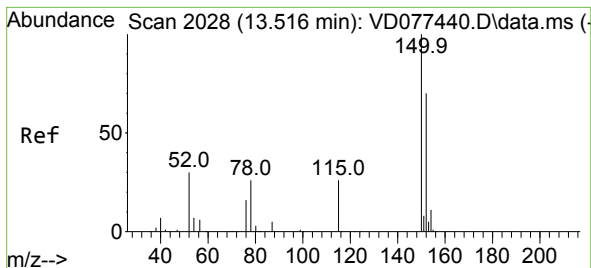
Tgt Ion: 95 Resp: 118816
Ion Ratio Lower Upper
95 100
174 89.7 0.0 201.8
176 84.9 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD078007.D
Acq: 20 Dec 2023 21:44

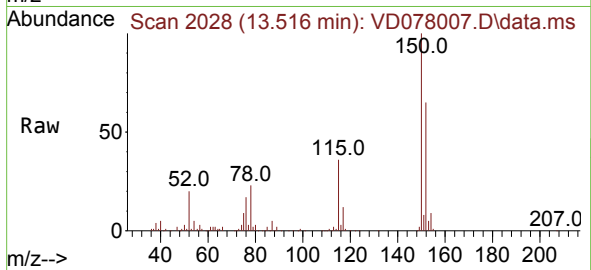
Tgt Ion: 117 Resp: 306557
Ion Ratio Lower Upper
117 100
82 53.0 38.3 57.5
119 31.2 25.0 37.4



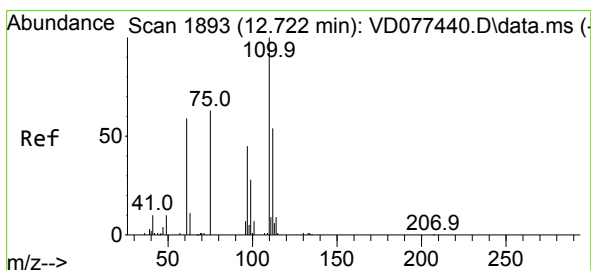
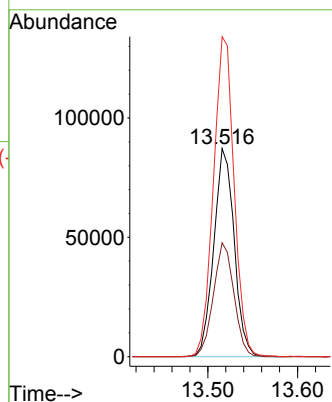
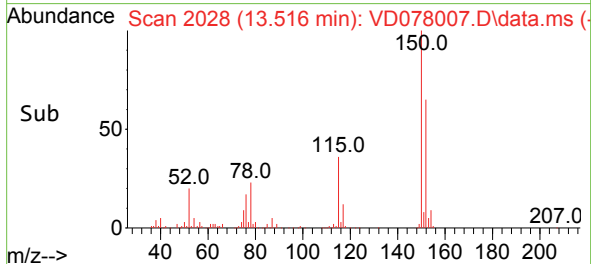


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VD078007.D
 Acq: 20 Dec 2023 21:44

Instrument :
 MSVOA_D
 ClientSampleId :

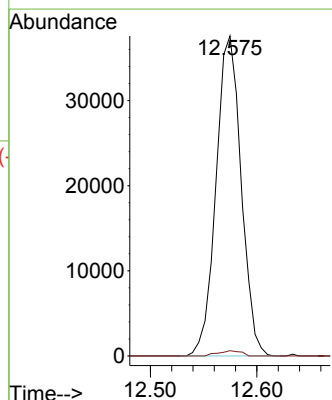
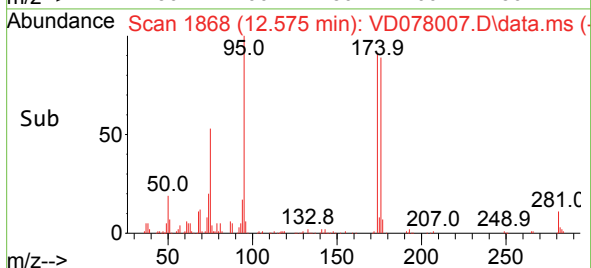
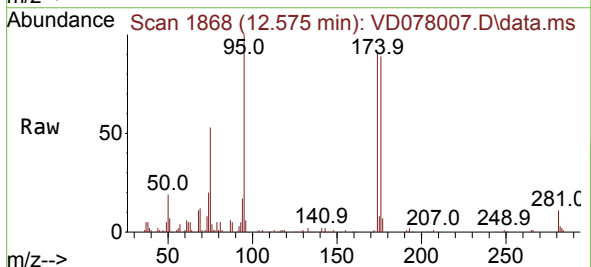


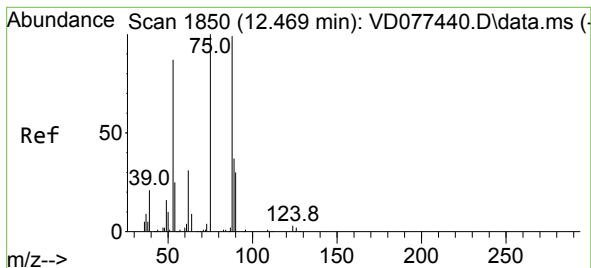
Tgt Ion:152 Resp: 137733
 Ion Ratio Lower Upper
 152 100
 115 55.1 27.1 81.3
 150 155.8 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 51.405 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD078007.D
 Acq: 20 Dec 2023 21:44

Tgt Ion: 75 Resp: 61491
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#

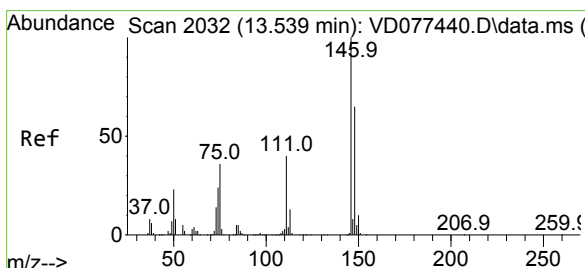
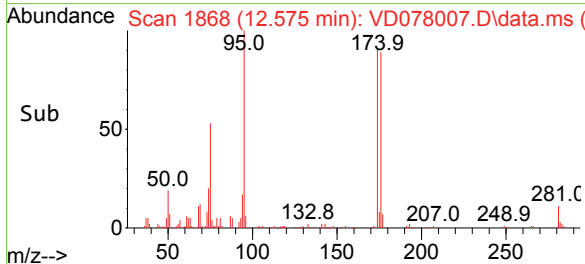
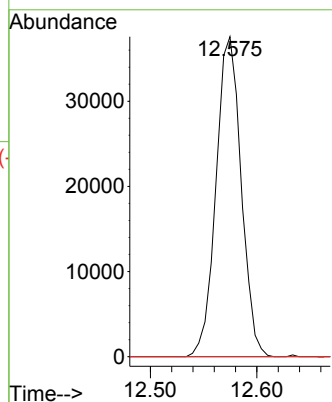
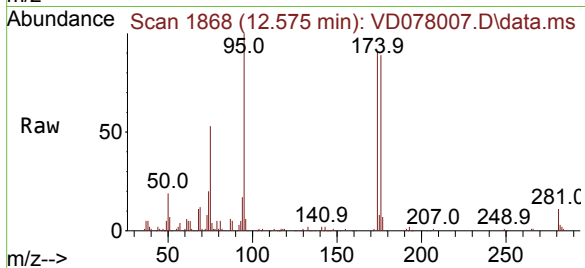




#81
trans-1,4-Dichloro-2-butene
Concen: 104.149 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078007.D
Acq: 20 Dec 2023 21:44

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 61491
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 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: VD078007.D
Acq: 20 Dec 2023 21:44

Tgt Ion: 146 Resp: 245
Ion Ratio Lower Upper
146 100
111 749.0 17.4 52.3#
148 31.0 31.7 95.1#

