

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121523\
 Data File : VD077907.D
 Acq On : 15 Dec 2023 16:51
 Operator : RP/MD
 Sample : 05624-03
 Misc : 5.03G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 16 04:04:04 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)

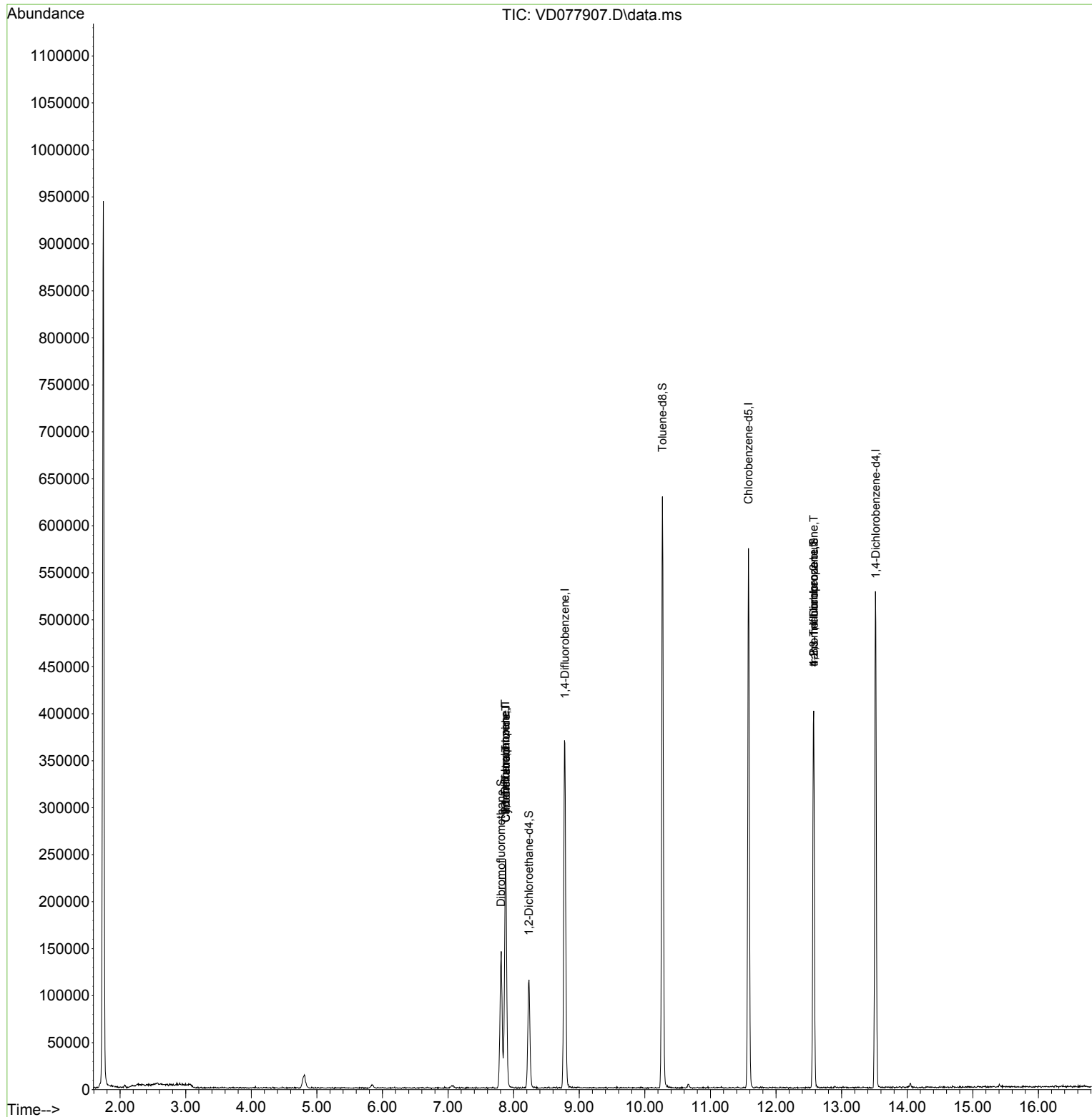
Internal Standards						
1) Pentafluorobenzene	7.875	168	187435	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	337141	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	321658	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	140470	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	87534	39.632	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	79.260%		
35) Dibromofluoromethane	7.810	113	101407	42.941	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	85.880%		
50) Toluene-d8	10.269	98	432547	45.732	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	91.460%		
62) 4-Bromofluorobenzene	12.575	95	123267	43.591	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	87.180%		
Target Compounds						
11) Tert butyl alcohol	5.063	59	58	Below Cal	#	73
16) Acetone	4.028	43	380	Below Cal	#	32
20) Methylene Chloride	4.805	84	11291	Below Cal		93
25) 2-Butanone	7.099	43	72	Below Cal	#	37
31) Cyclohexane	7.881	56	4272	1.087	ug/l #	41
36) 1,1-Dichloropropene	7.875	75	15178	4.018	ug/l #	45
38) Carbon Tetrachloride	7.881	117	18890	5.016	ug/l #	16
65) Chlorobenzene	11.604	112	61	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	65484	53.676	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	65484	108.751	ug/l #	18
88) 1,4-Dichlorobenzene	13.528	146	295	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.316	75	67	Below Cal	#	1

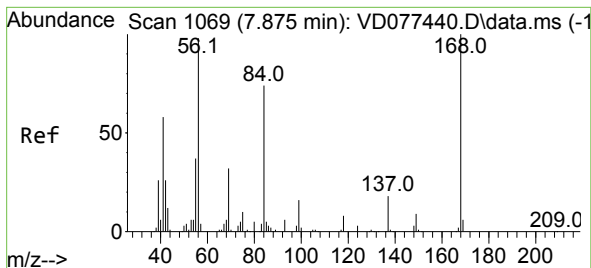
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD077907.D

Acq: 15 Dec 2023 16:51

Instrument :

MSVOA_D

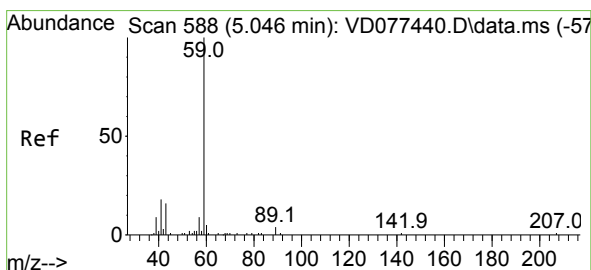
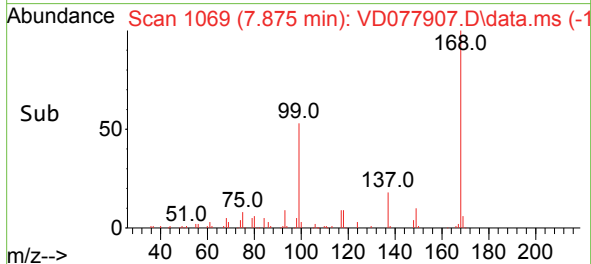
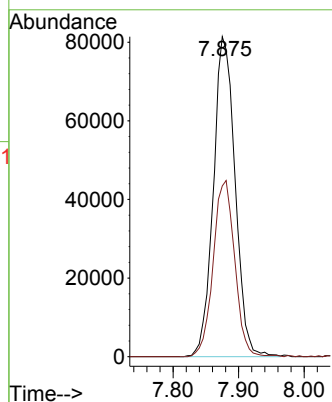
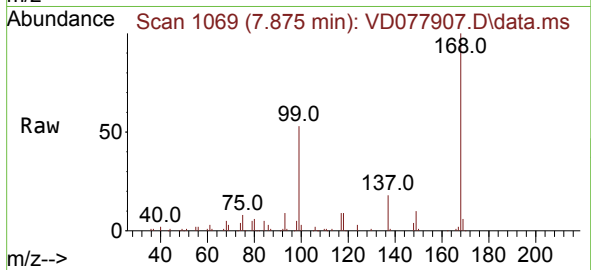
ClientSampleId :

Tgt Ion:168 Resp: 187435

Ion Ratio Lower Upper

168 100

99 53.4 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.063 min Scan# 591

Delta R.T. 0.017 min

Lab File: VD077907.D

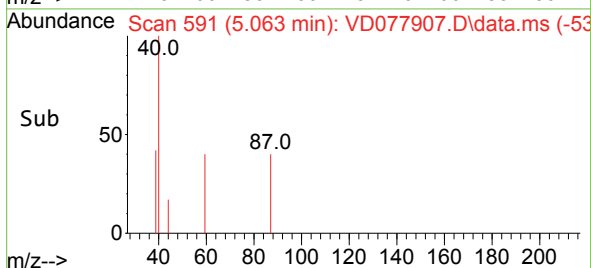
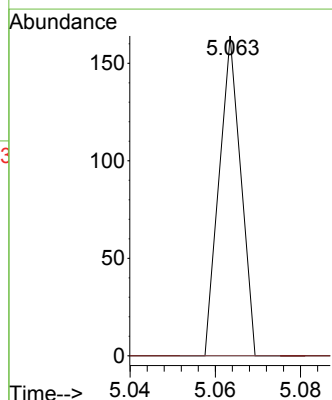
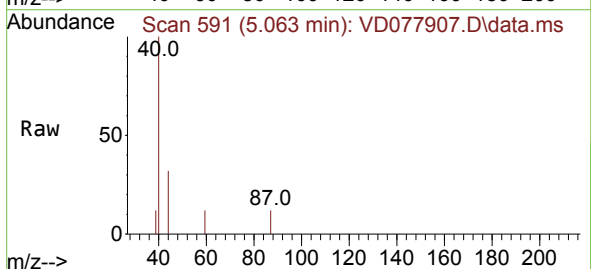
Acq: 15 Dec 2023 16:51

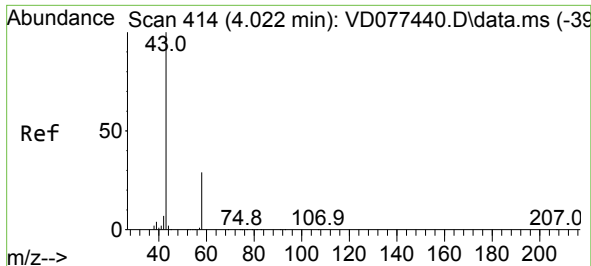
Tgt Ion: 59 Resp: 58

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

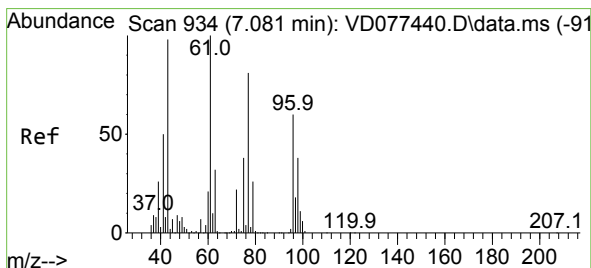
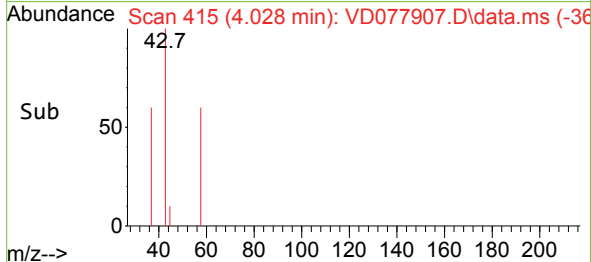
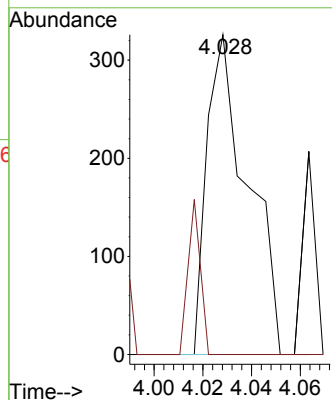
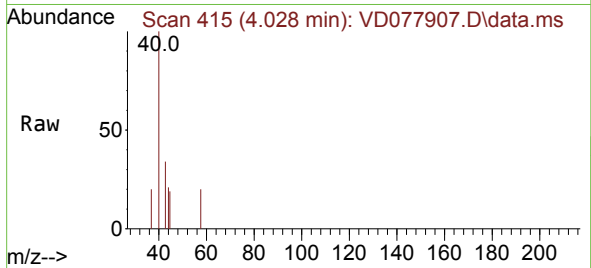




#16
Acetone
Concen: Below Cal
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD077907.D
Acq: 15 Dec 2023 16:51

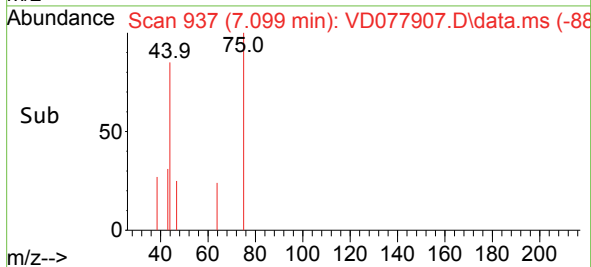
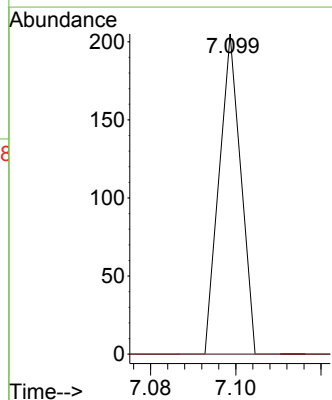
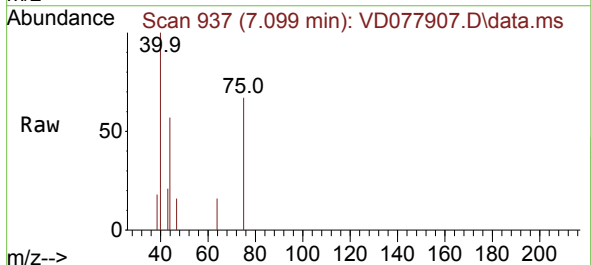
Instrument :
MSVOA_D
ClientSampleId :

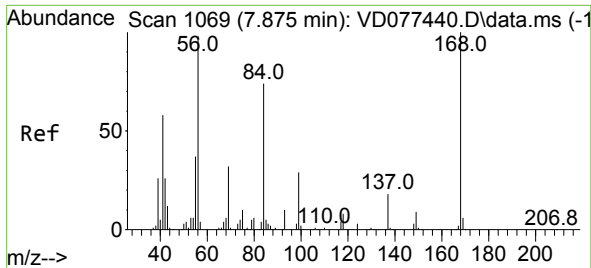
Tgt Ion: 43 Resp: 380
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#25
2-Butanone
Concen: Below Cal
RT: 7.099 min Scan# 937
Delta R.T. 0.018 min
Lab File: VD077907.D
Acq: 15 Dec 2023 16:51

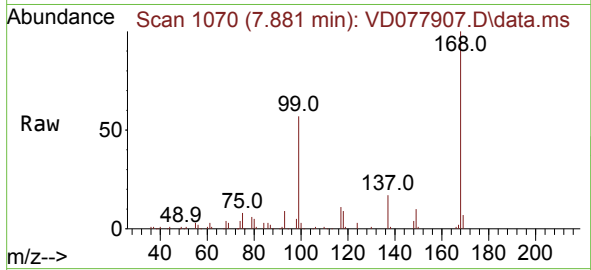
Tgt Ion: 43 Resp: 72
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



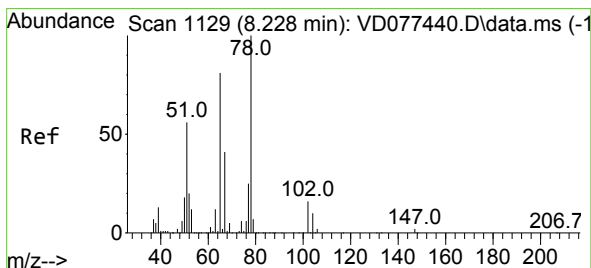
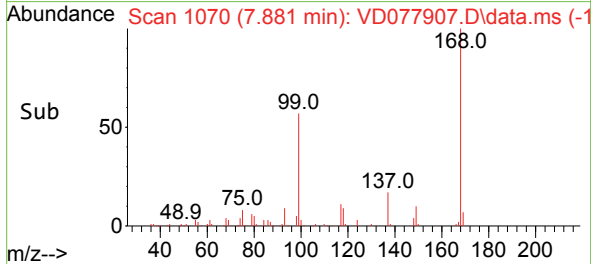
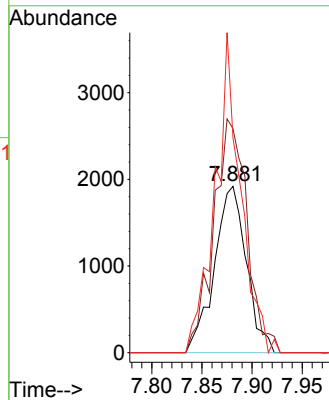


#31
Cyclohexane
Concen: 1.087 ug/l
RT: 7.881 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VD077907.D
Acq: 15 Dec 2023 16:51

Instrument :
MSVOA_D
ClientSampleId :

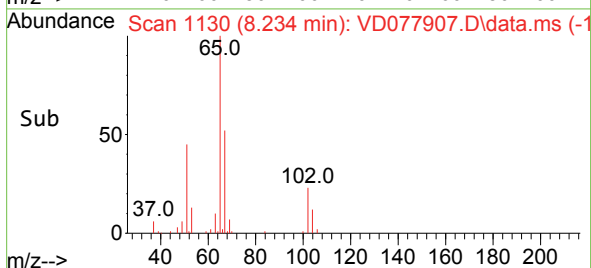
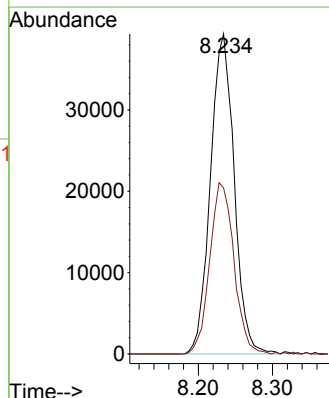
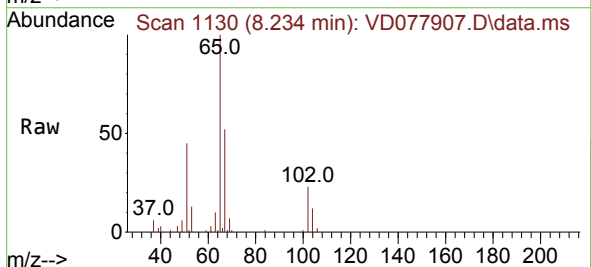


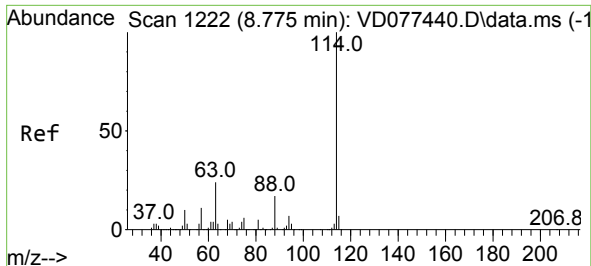
Tgt Ion: 56 Resp: 4272
Ion Ratio Lower Upper
56 100
69 134.6 28.6 43.0#
84 129.0 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 39.632 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077907.D
Acq: 15 Dec 2023 16:51

Tgt Ion: 65 Resp: 87534
Ion Ratio Lower Upper
65 100
67 54.6 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: VD077907.D

Acq: 15 Dec 2023 16:51

Instrument :

MSVOA_D

ClientSampleId :

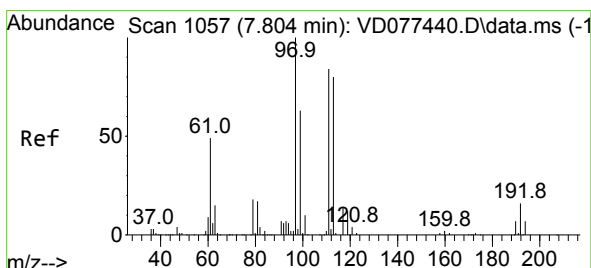
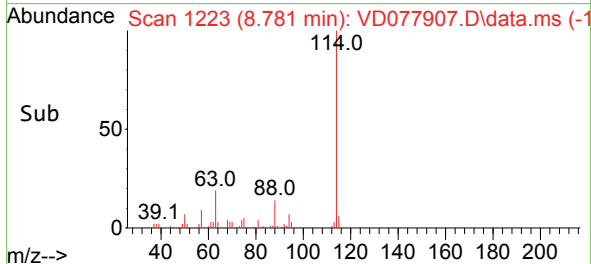
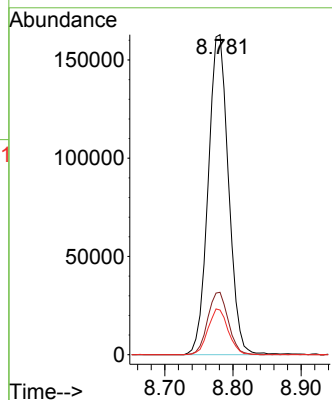
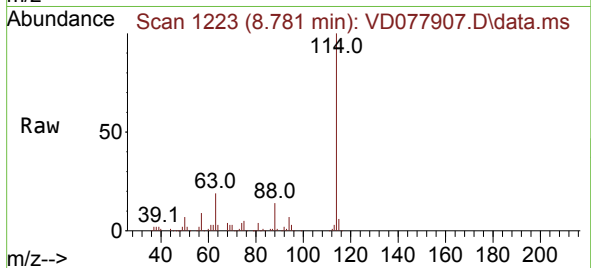
Tgt Ion:114 Resp: 337141

Ion Ratio Lower Upper

114 100

63 19.5 0.0 33.4

88 14.0 0.0 26.2



#35

Dibromofluoromethane

Concen: 42.941 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077907.D

Acq: 15 Dec 2023 16:51

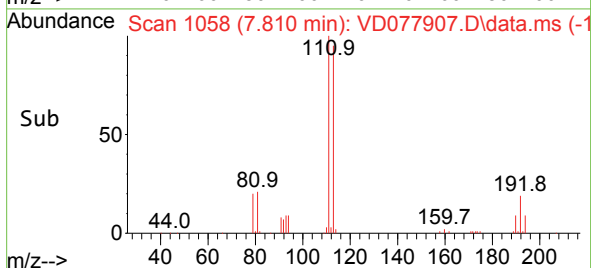
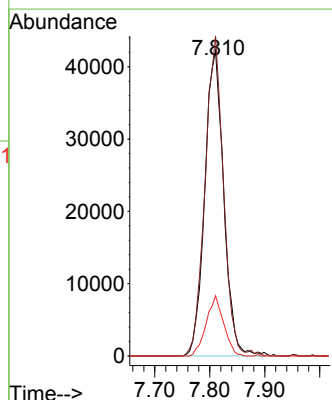
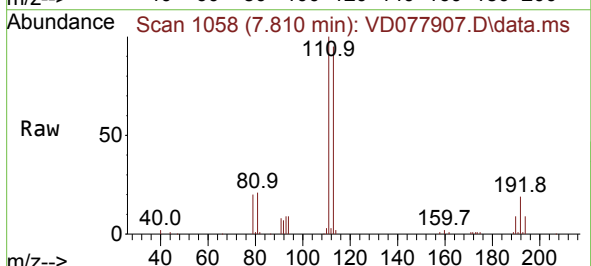
Tgt Ion:113 Resp: 101407

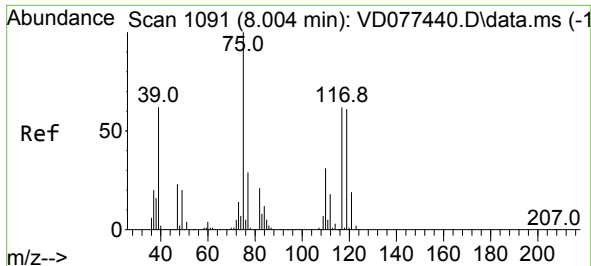
Ion Ratio Lower Upper

113 100

111 101.1 84.7 127.1

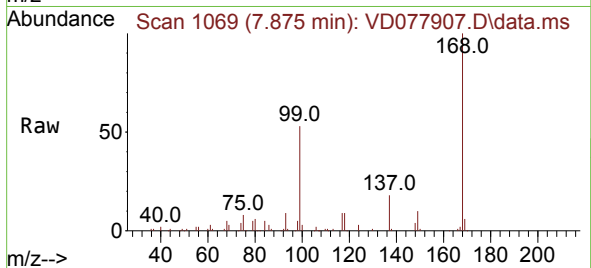
192 18.1 16.8 25.2



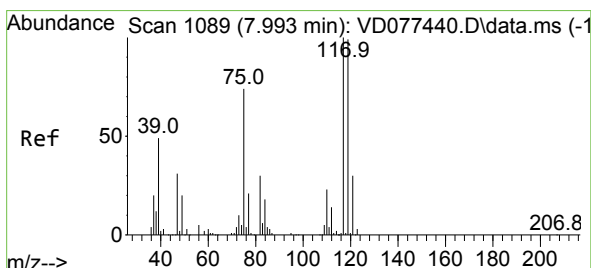
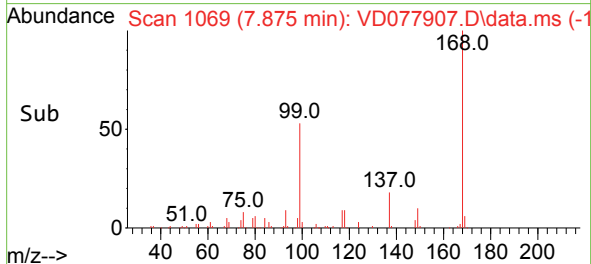
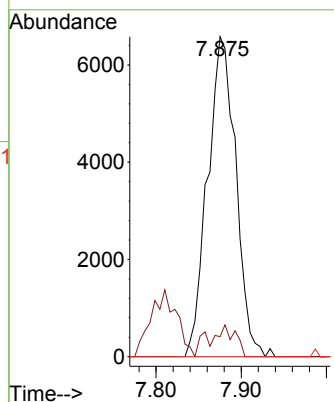


#36
 1,1-Dichloropropene
 Concen: 4.018 ug/l
 RT: 7.875 min Scan# 1069
 Delta R.T. -0.129 min
 Lab File: VD077907.D
 Acq: 15 Dec 2023 16:51

Instrument :
 MSVOA_D
 ClientSampleId :

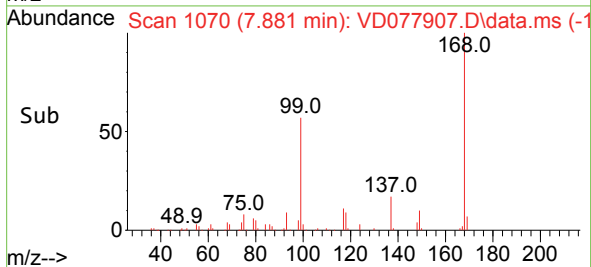
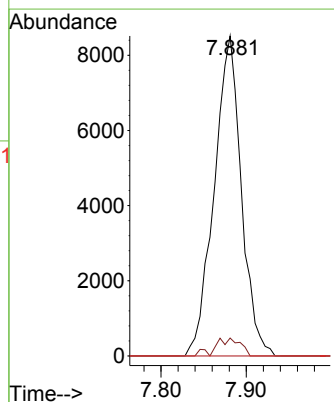
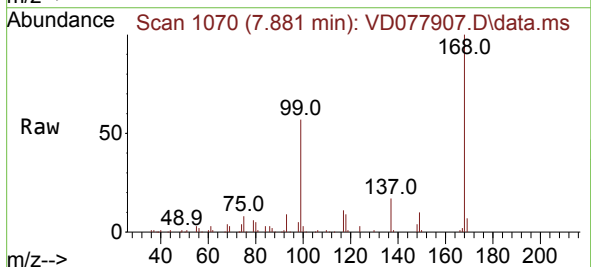


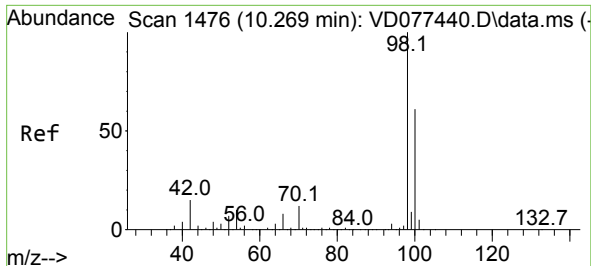
Tgt Ion: 75 Resp: 15178
 Ion Ratio Lower Upper
 75 100
 110 6.4 19.9 59.6#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.016 ug/l
 RT: 7.881 min Scan# 1070
 Delta R.T. -0.112 min
 Lab File: VD077907.D
 Acq: 15 Dec 2023 16:51

Tgt Ion: 117 Resp: 18890
 Ion Ratio Lower Upper
 117 100
 119 5.6 78.0 117.0#
 121 0.0 24.2 36.2#

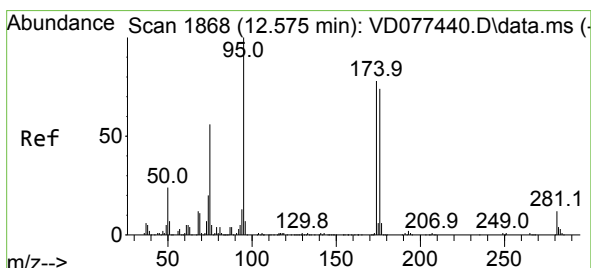
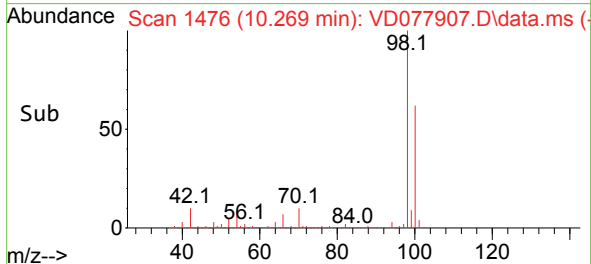
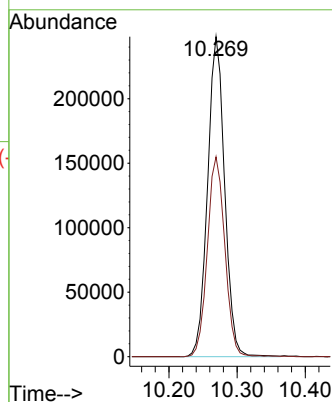
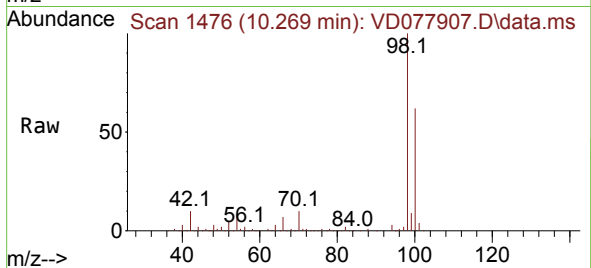




#50
Toluene-d8
Concen: 45.732 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077907.D
Acq: 15 Dec 2023 16:51

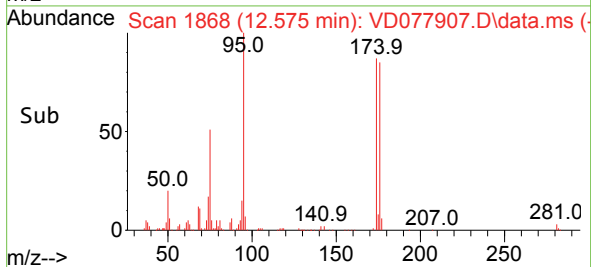
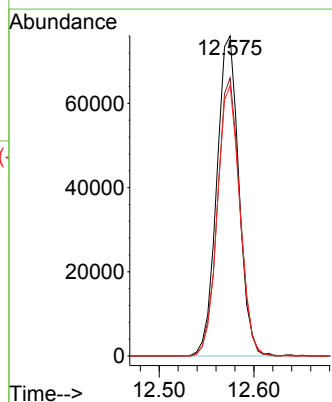
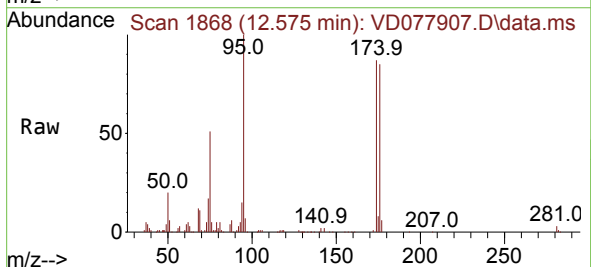
Instrument :
MSVOA_D
ClientSampleId :

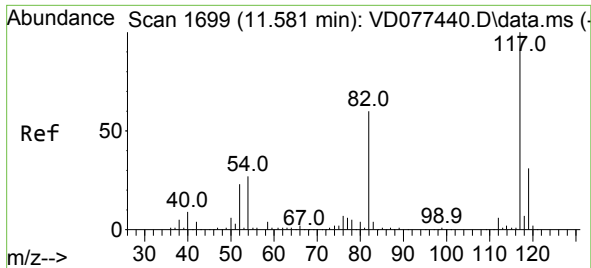
Tgt Ion: 98 Resp: 432547
Ion Ratio Lower Upper
98 100
100 64.0 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 43.591 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077907.D
Acq: 15 Dec 2023 16:51

Tgt Ion: 95 Resp: 123267
Ion Ratio Lower Upper
95 100
174 87.5 0.0 201.8
176 85.7 0.0 191.8

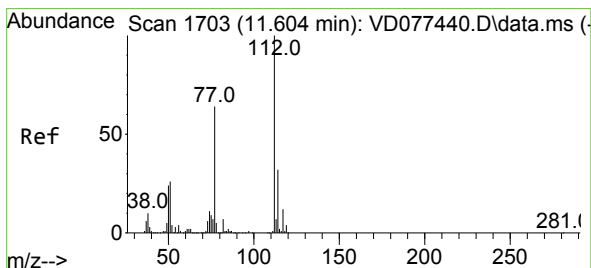
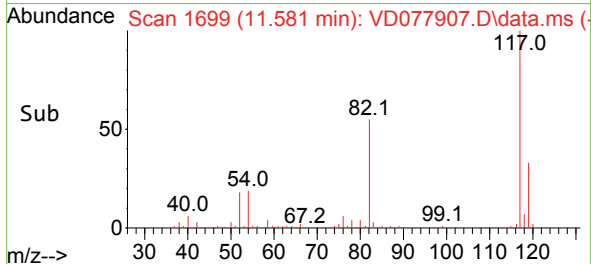
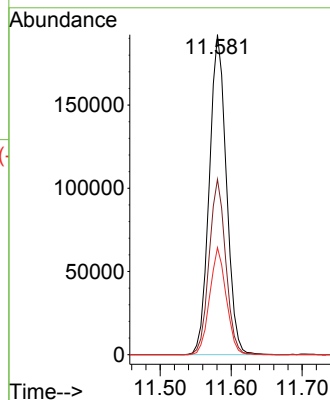
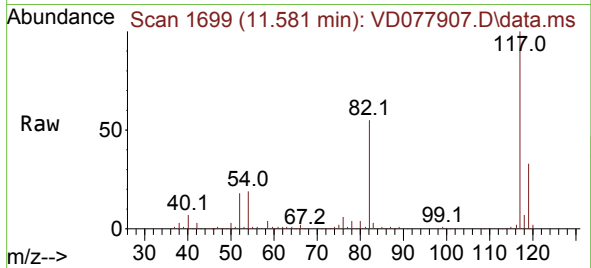




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD077907.D
Acq: 15 Dec 2023 16:51

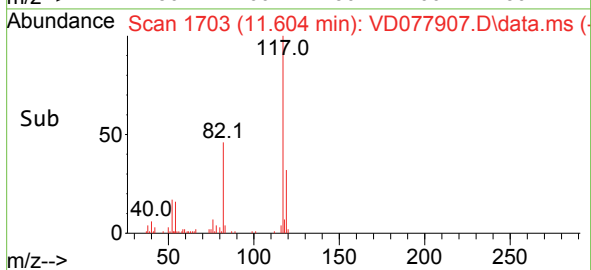
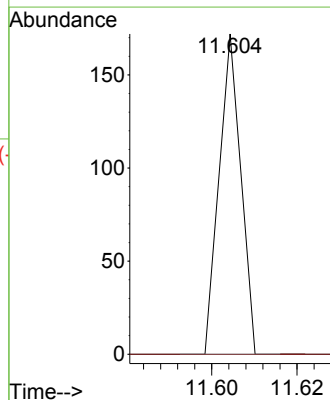
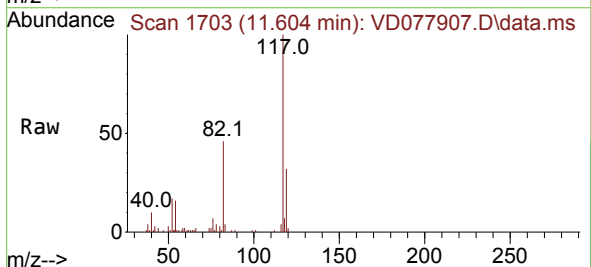
Instrument :
MSVOA_D
ClientSampleId :

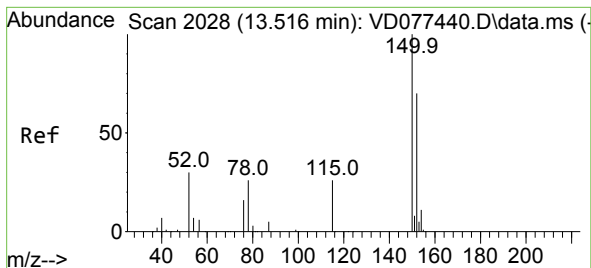
Tgt Ion:117 Resp: 321658
Ion Ratio Lower Upper
117 100
82 54.8 38.3 57.5
119 33.4 25.0 37.4



#65
Chlorobenzene
Concen: Below Cal
RT: 11.604 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VD077907.D
Acq: 15 Dec 2023 16:51

Tgt Ion:112 Resp: 61
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 20

Delta R.T. 0.006 min

Lab File: VD077907.D

Acq: 15 Dec 2023 16:51

Instrument :

MSVOA_D

ClientSampleId :

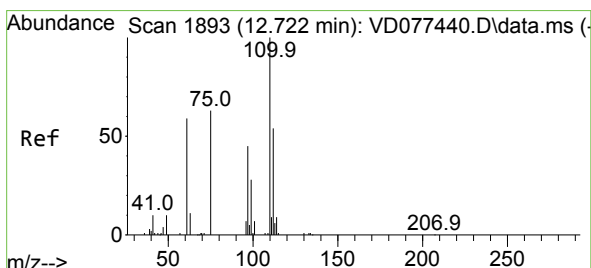
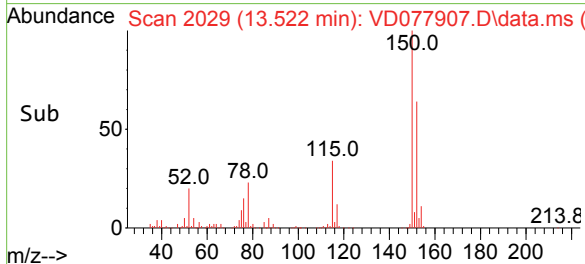
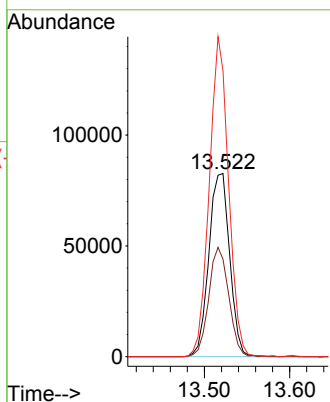
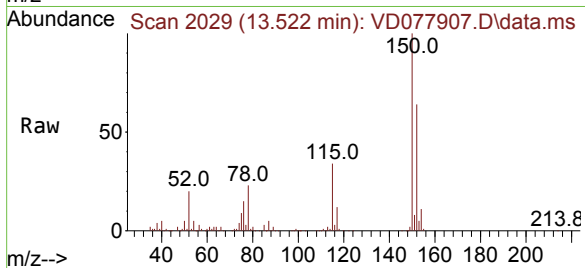
Tgt Ion:152 Resp: 140470

Ion Ratio Lower Upper

152 100

115 57.2 27.1 81.3

150 161.3 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 53.676 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD077907.D

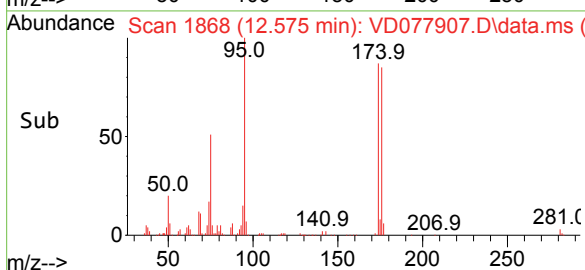
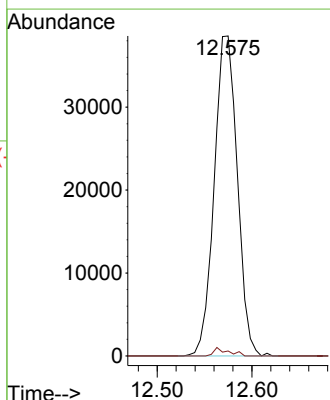
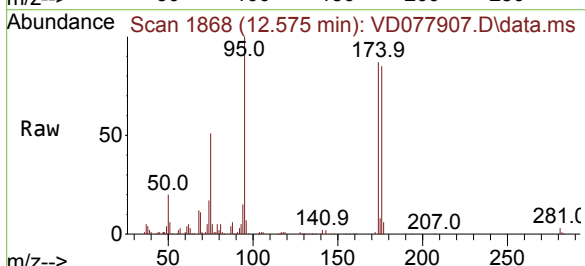
Acq: 15 Dec 2023 16:51

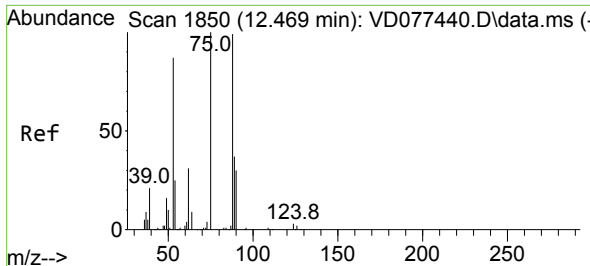
Tgt Ion: 75 Resp: 65484

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#

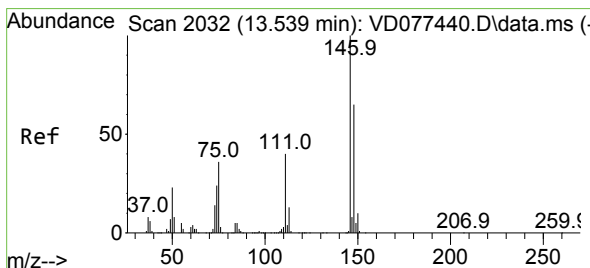
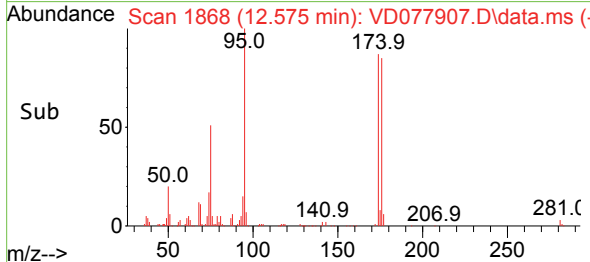
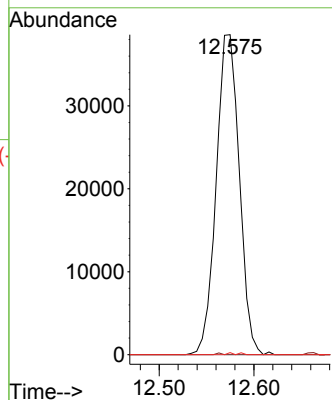
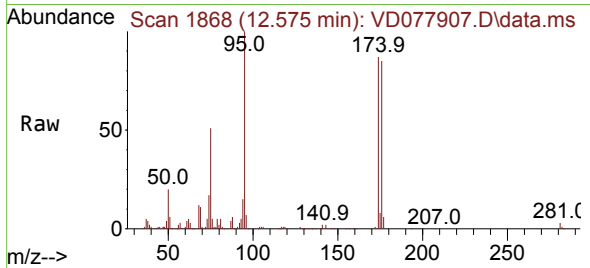




#81
trans-1,4-Dichloro-2-butene
Concen: 108.751 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077907.D
Acq: 15 Dec 2023 16:51

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 65484
Ion Ratio Lower Upper
75 100
53 0.1 63.0 94.4#
89 0.3 37.9 56.9#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.528 min Scan# 2030
Delta R.T. -0.011 min
Lab File: VD077907.D
Acq: 15 Dec 2023 16:51

Tgt Ion: 146 Resp: 295
Ion Ratio Lower Upper
146 100
111 727.1 17.4 52.3#
148 346.4 31.7 95.1#

