

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121923\
 Data File : VD077975.D
 Acq On : 19 Dec 2023 15:45
 Operator : RP/MD
 Sample : 05883-03
 Misc : 5.05G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 20 02:05:44 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)

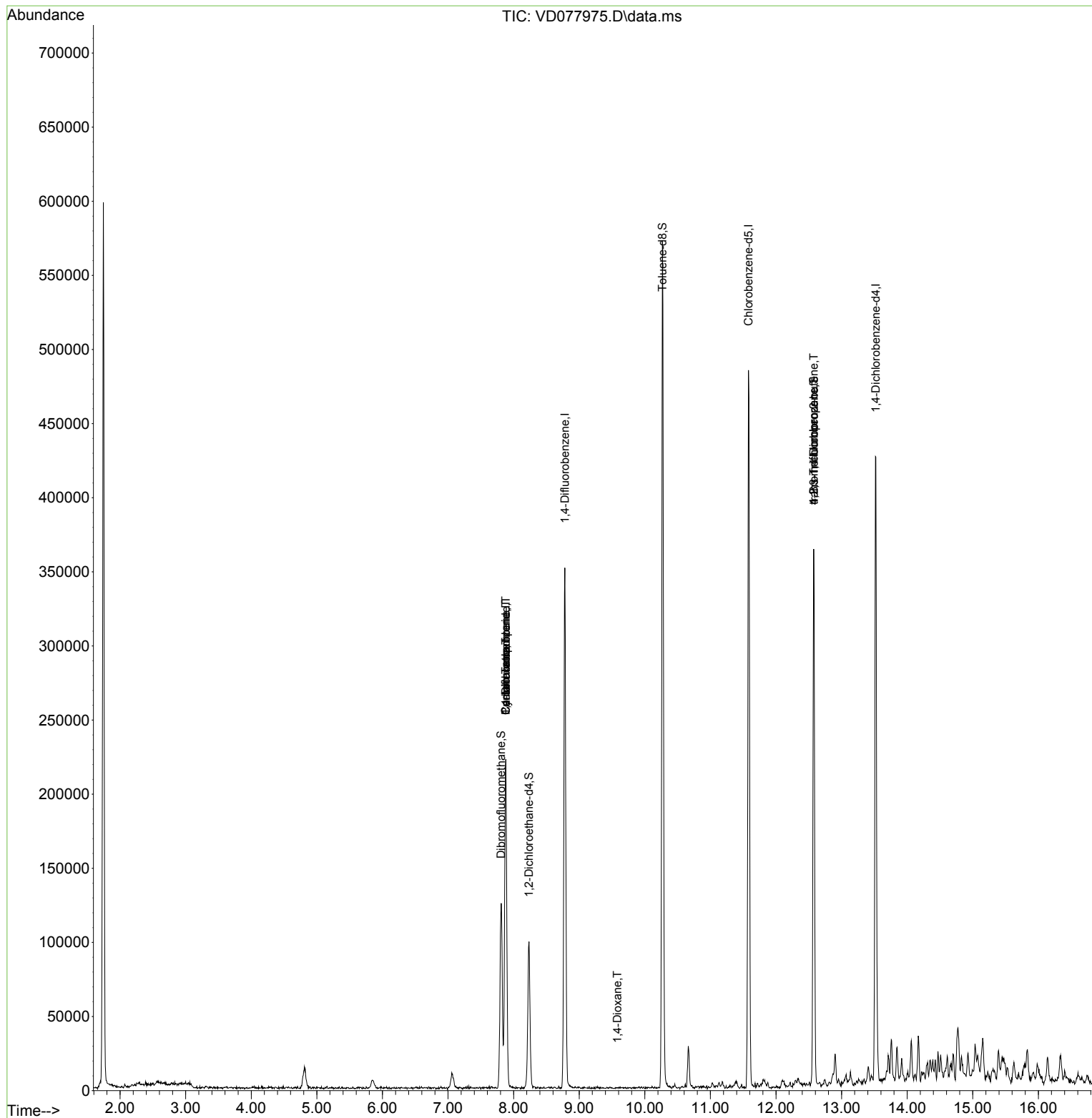
Internal Standards						
1) Pentafluorobenzene	7.881	168	169933	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	312151	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	284077	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	116597	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	75109	37.509	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	75.020%		
35) Dibromofluoromethane	7.810	113	90318	41.307	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	82.620%		
50) Toluene-d8	10.269	98	390737	44.619	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	89.240%		
62) 4-Bromofluorobenzene	12.575	95	104607	39.954	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	79.900%		
Target Compounds						
11) Tert butyl alcohol	5.005	59	66	Below Cal	#	73
16) Acetone	4.017	43	601	Below Cal	#	32
20) Methylene Chloride	4.811	84	11023	Below Cal	#	94
25) 2-Butanone	7.075	43	263	Below Cal	#	37
31) Cyclohexane	7.881	56	4035	1.133	ug/l #	63
36) 1,1-Dichloropropene	7.881	75	14303	4.090	ug/l #	39
38) Carbon Tetrachloride	7.881	117	16017	4.594	ug/l #	18
49) 1,4-Dioxane	9.581	88	59	4.654	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	57140	56.426	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	57140	114.323	ug/l #	17
88) 1,4-Dichlorobenzene	13.504	146	59	Below Cal	#	26
92) 1,2-Dibromo-3-Chloropr...	14.392	75	150	Below Cal	#	1

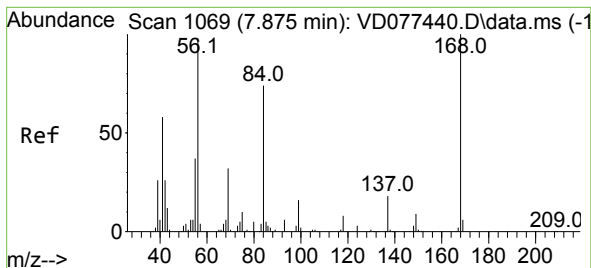
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 20 02:05:44 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: VD077975.D

Acq: 19 Dec 2023 15:45

Instrument :

MSVOA_D

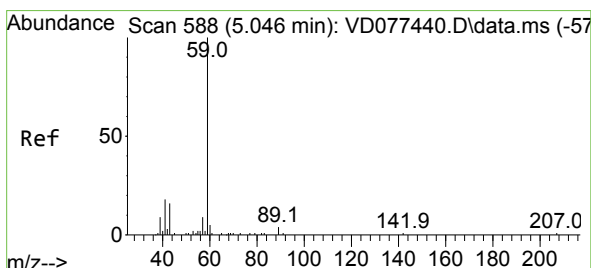
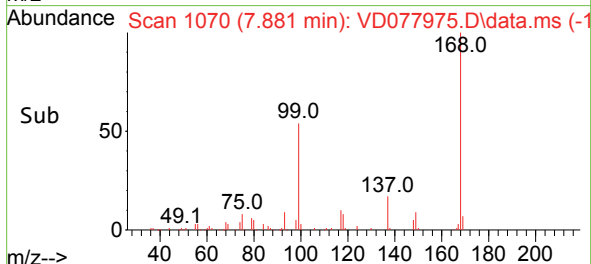
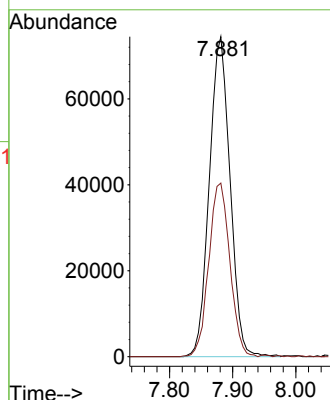
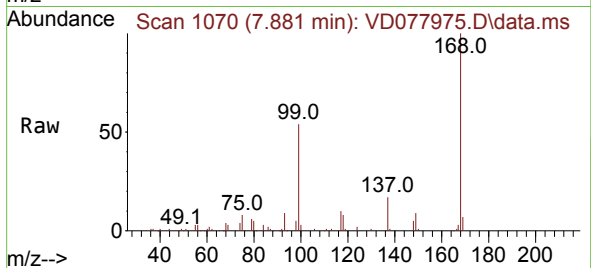
ClientSampleId :

Tgt Ion:168 Resp: 169933

Ion Ratio Lower Upper

168 100

99 54.2 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.005 min Scan# 581

Delta R.T. -0.041 min

Lab File: VD077975.D

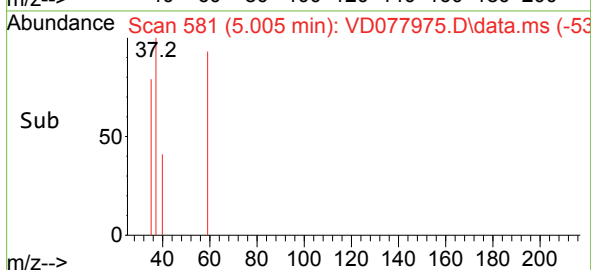
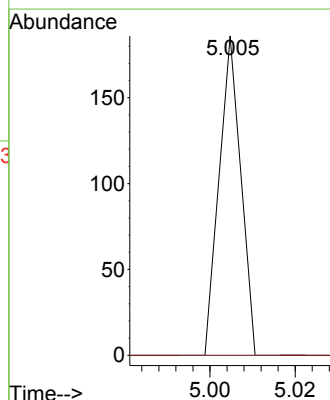
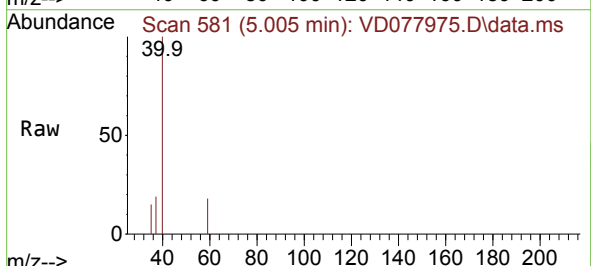
Acq: 19 Dec 2023 15:45

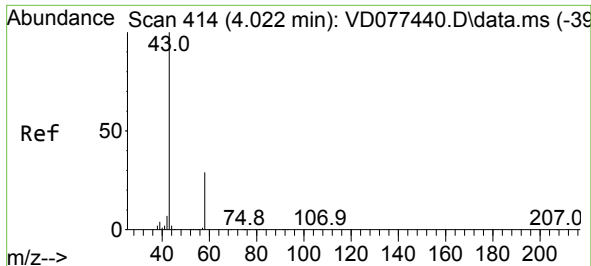
Tgt Ion: 59 Resp: 66

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

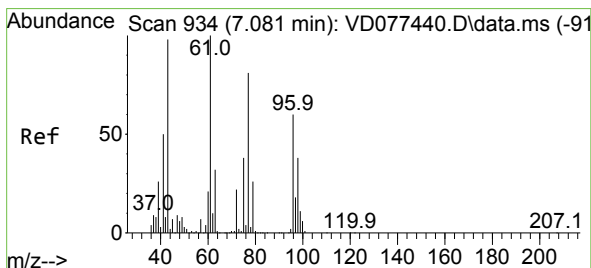
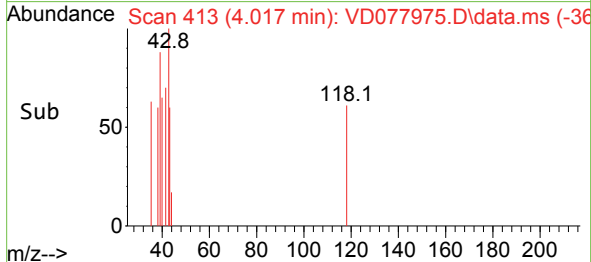
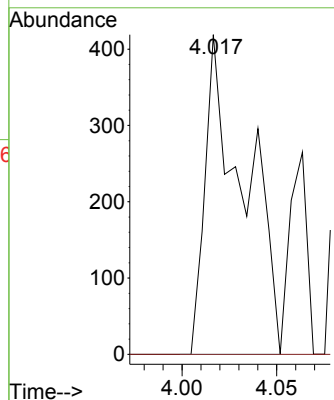
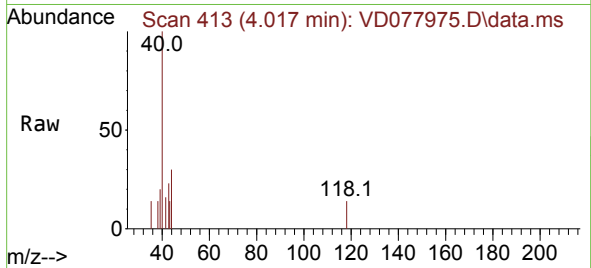




#16
Acetone
Concen: Below Cal
RT: 4.017 min Scan# 414
Delta R.T. -0.005 min
Lab File: VD077975.D
Acq: 19 Dec 2023 15:45

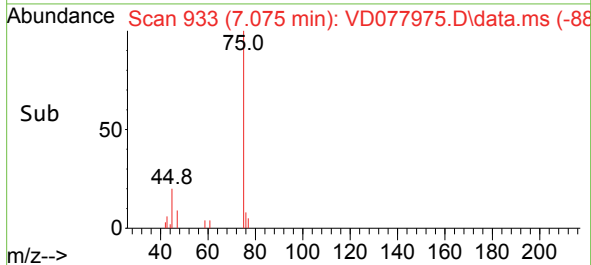
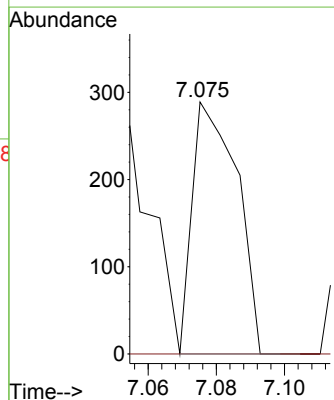
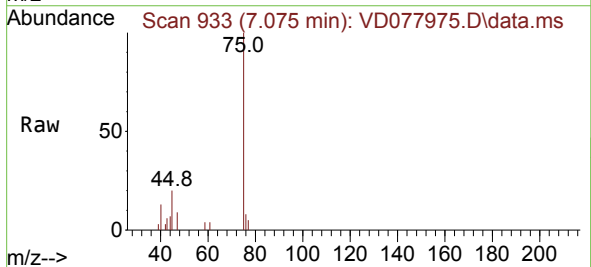
Instrument :
MSVOA_D
ClientSampleId :

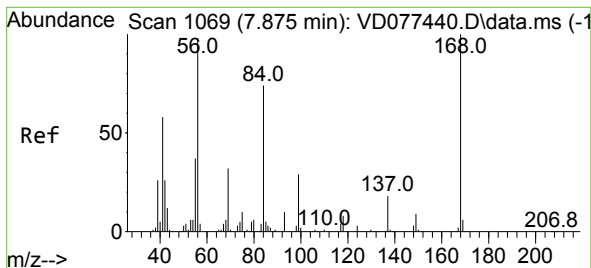
Tgt Ion: 43 Resp: 601
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#25
2-Butanone
Concen: Below Cal
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD077975.D
Acq: 19 Dec 2023 15:45

Tgt Ion: 43 Resp: 263
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#





#31

Cyclohexane

Concen: 1.133 ug/l

RT: 7.881 min Scan# 110

Delta R.T. 0.006 min

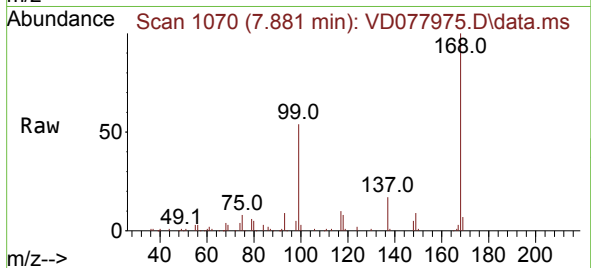
Lab File: VD077975.D

Acq: 19 Dec 2023 15:45

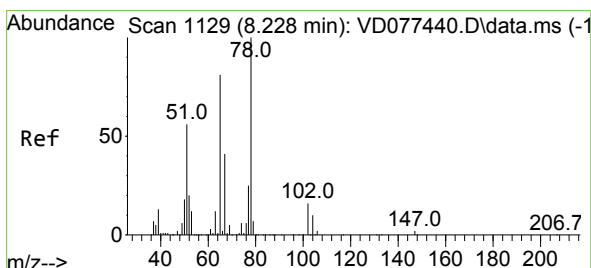
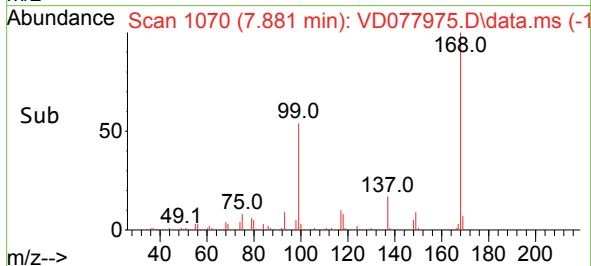
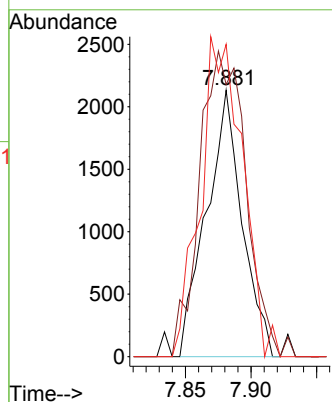
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	56	Resp:	4035
Ion Ratio	Lower	Upper	
56	100		
69	102.2	28.6	43.0#
84	117.3	84.8	127.2



#33

1,2-Dichloroethane-d4

Concen: 37.509 ug/l

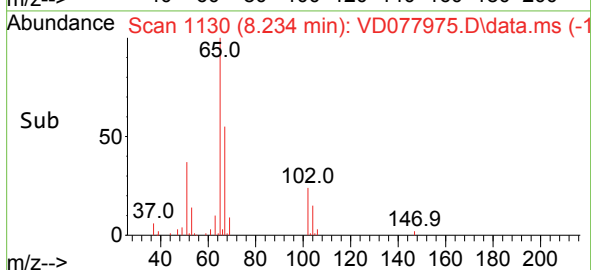
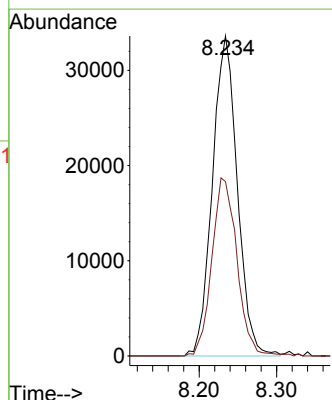
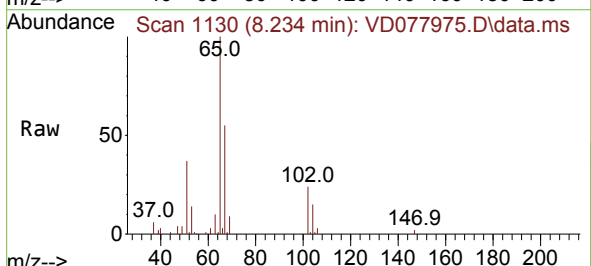
RT: 8.234 min Scan# 1130

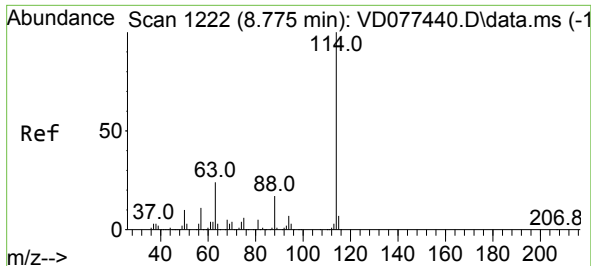
Delta R.T. 0.006 min

Lab File: VD077975.D

Acq: 19 Dec 2023 15:45

Tgt Ion:	65	Resp:	75109
Ion Ratio	Lower	Upper	
65	100		
67	56.1	0.0	115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD077975.D

Acq: 19 Dec 2023 15:45

Instrument :

MSVOA_D

ClientSampleId :

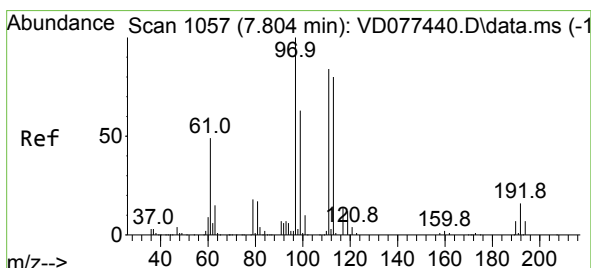
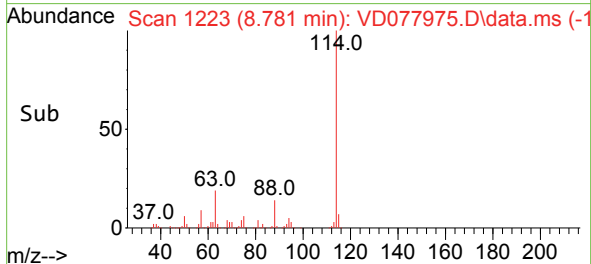
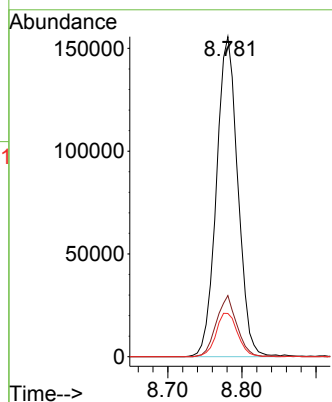
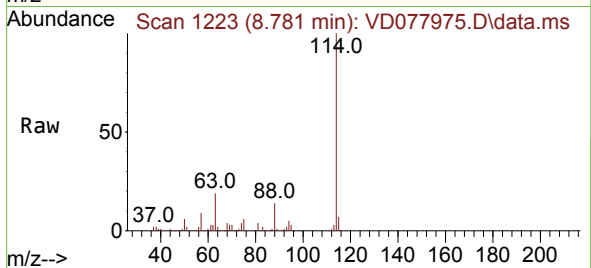
Tgt Ion:114 Resp: 312151

Ion Ratio Lower Upper

114 100

63 19.1 0.0 33.4

88 13.5 0.0 26.2



#35

Dibromofluoromethane

Concen: 41.307 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077975.D

Acq: 19 Dec 2023 15:45

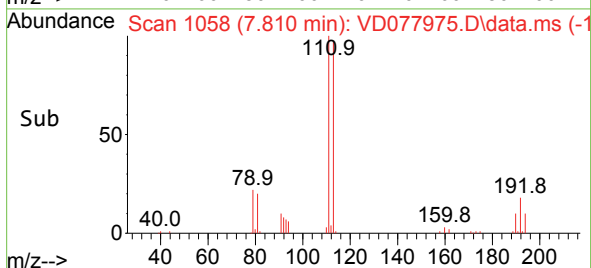
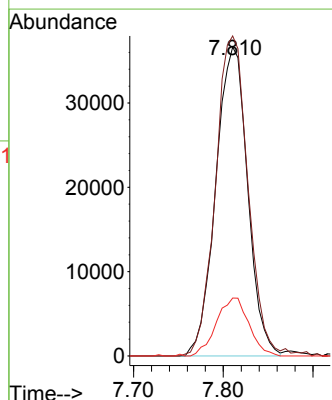
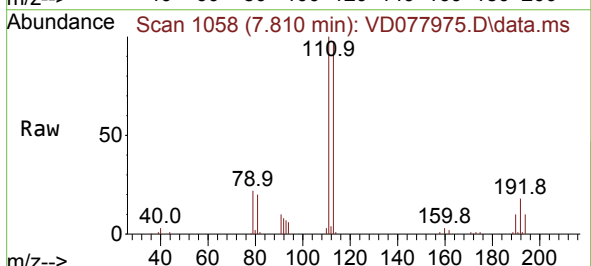
Tgt Ion:113 Resp: 90318

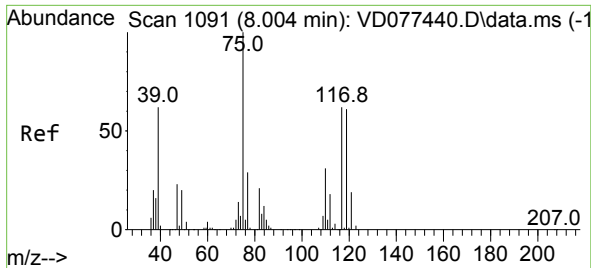
Ion Ratio Lower Upper

113 100

111 105.9 84.7 127.1

192 19.2 16.8 25.2

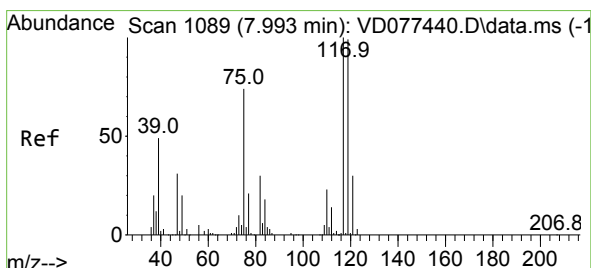
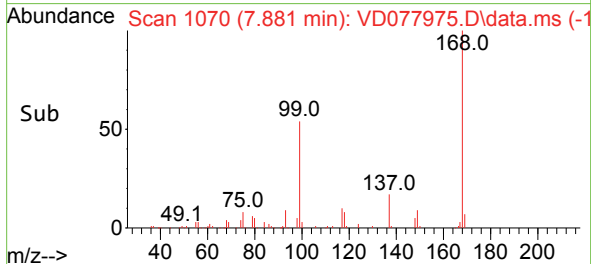
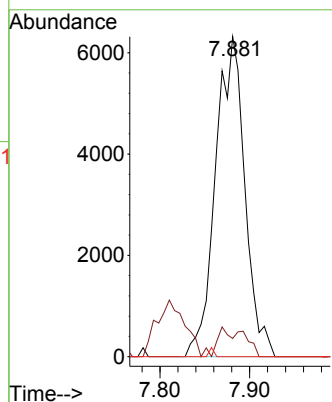
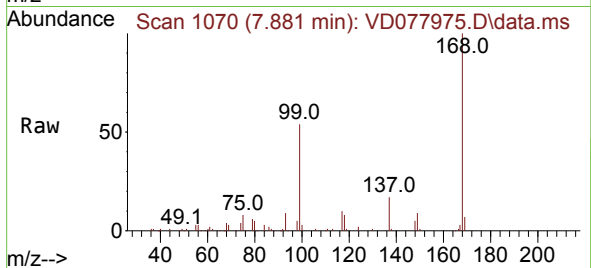




#36
1,1-Dichloropropene
Concen: 4.090 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.123 min
Lab File: VD077975.D
Acq: 19 Dec 2023 15:45

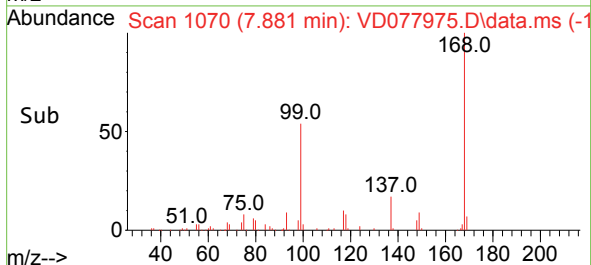
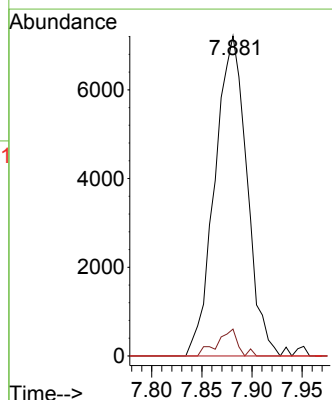
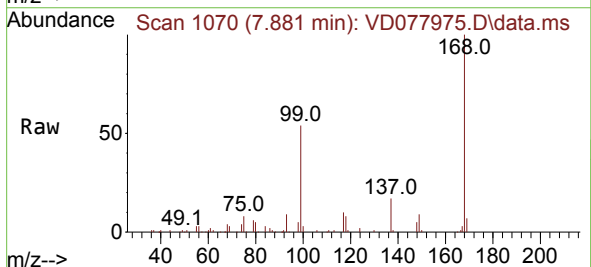
Instrument :
MSVOA_D
ClientSampleId :

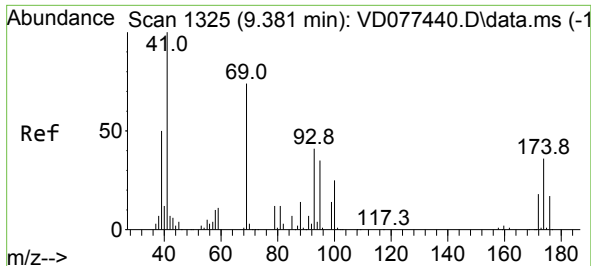
Tgt Ion: 75 Resp: 14303
Ion Ratio Lower Upper
75 100
110 0.0 19.9 59.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 4.594 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.112 min
Lab File: VD077975.D
Acq: 19 Dec 2023 15:45

Tgt Ion: 117 Resp: 16017
Ion Ratio Lower Upper
117 100
119 8.4 78.0 117.0#
121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 4.654 ug/l

RT: 9.581 min Scan# 1359

Delta R.T. 0.200 min

Lab File: VD077975.D

Acq: 19 Dec 2023 15:45

Instrument :

MSVOA_D

ClientSampleId :

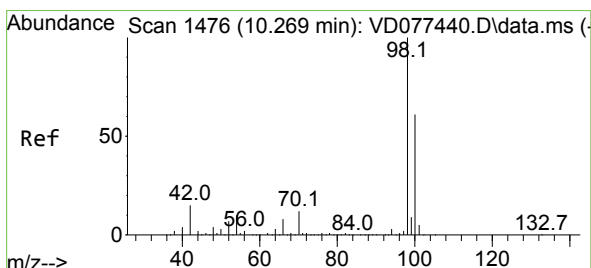
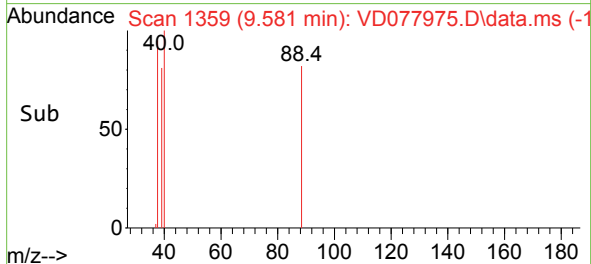
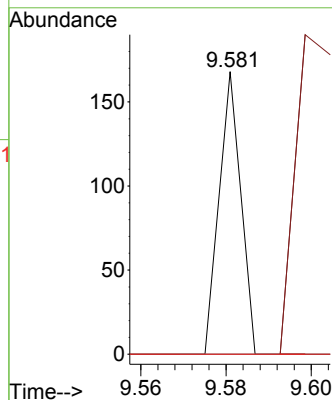
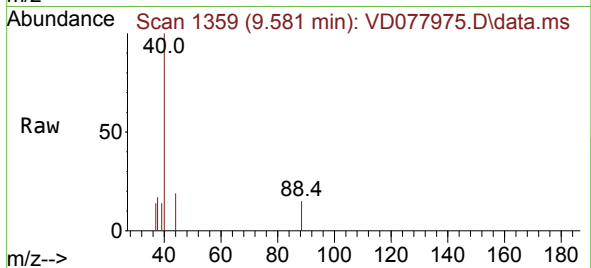
Tgt Ion: 88 Resp: 59

Ion Ratio Lower Upper

88 100

43 220.3 19.0 28.6#

58 0.0 43.5 65.3#



#50

Toluene-d8

Concen: 44.619 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077975.D

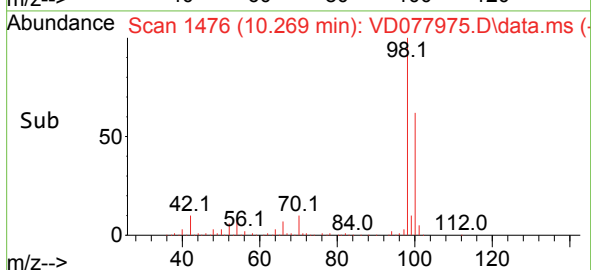
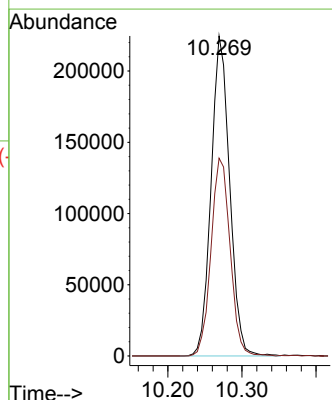
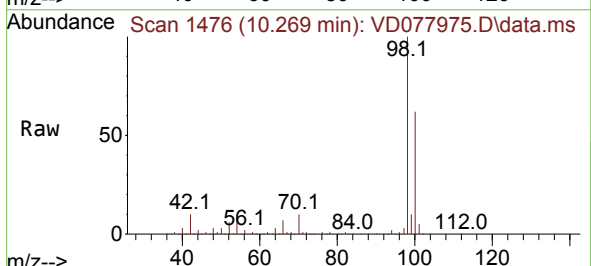
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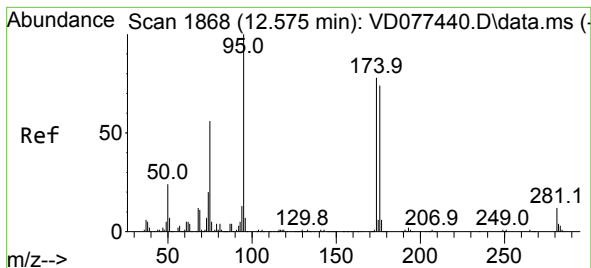
Tgt Ion: 98 Resp: 390737

Ion Ratio Lower Upper

98 100

100 63.4 50.3 75.5

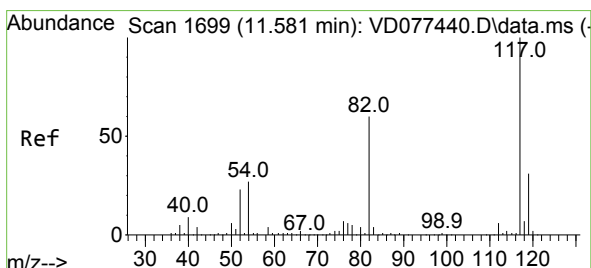
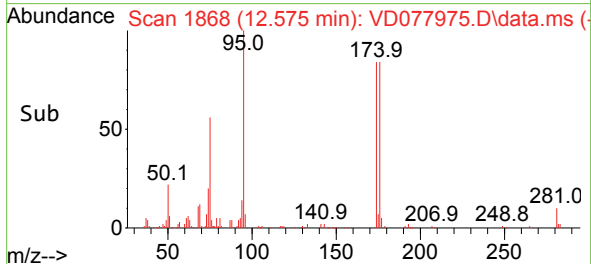
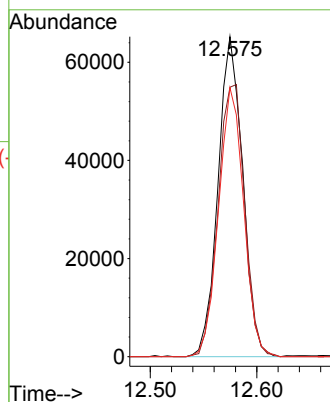
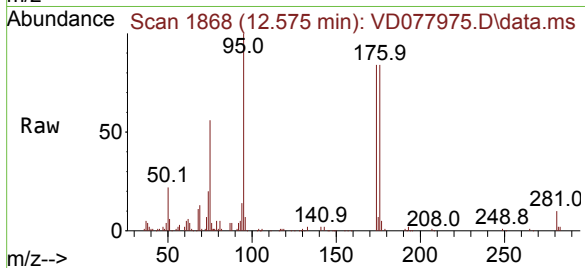




#62
4-Bromofluorobenzene
Concen: 39.954 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077975.D
Acq: 19 Dec 2023 15:45

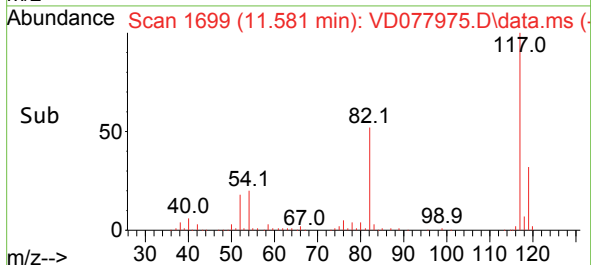
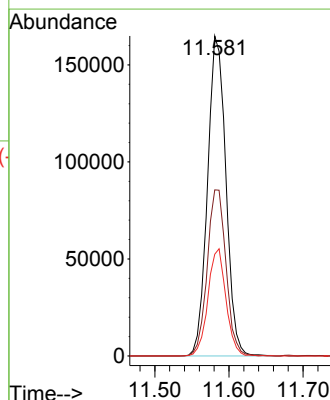
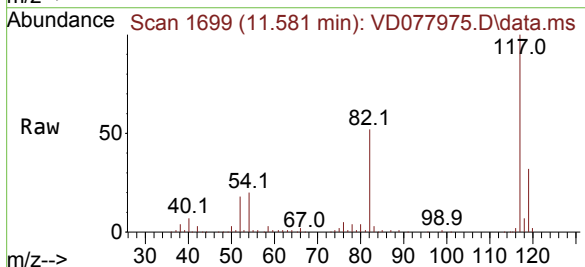
Instrument :
MSVOA_D
ClientSampleId :

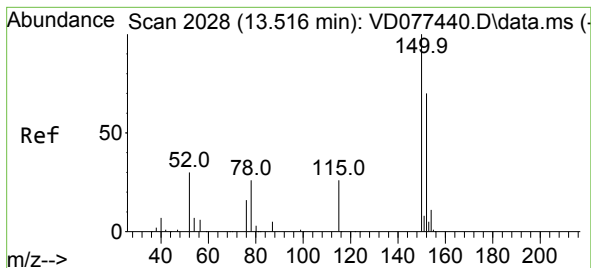
Tgt Ion: 95 Resp: 104607
Ion Ratio Lower Upper
95 100
174 92.2 0.0 201.8
176 85.7 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077975.D
Acq: 19 Dec 2023 15:45

Tgt Ion: 117 Resp: 284077
Ion Ratio Lower Upper
117 100
82 51.9 38.3 57.5
119 31.8 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 20

Delta R.T. 0.006 min

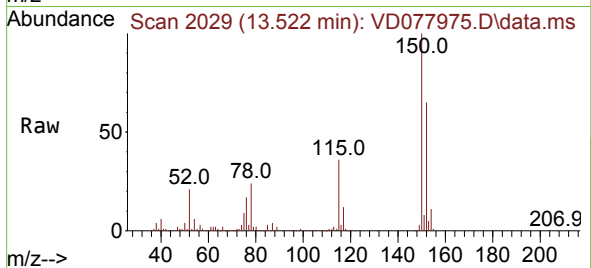
Lab File: VD077975.D

Acq: 19 Dec 2023 15:45

Instrument :

MSVOA_D

ClientSampleId :



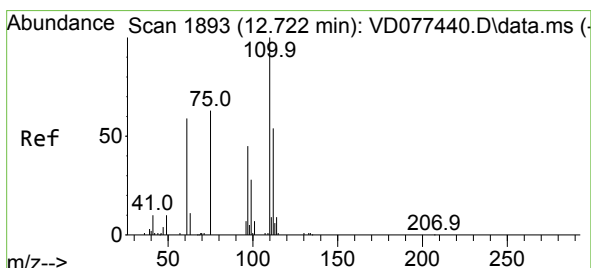
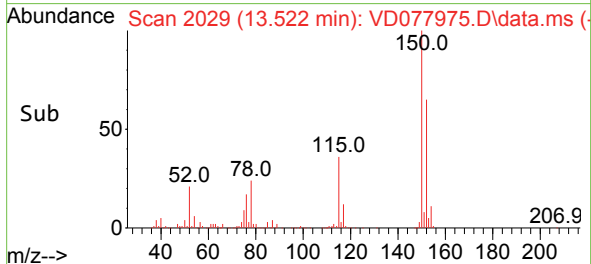
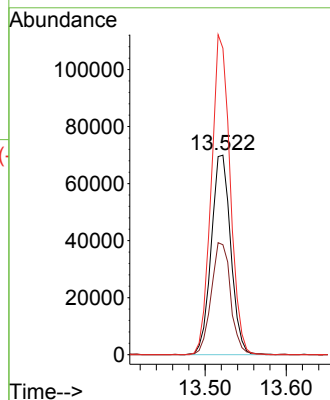
Tgt Ion:152 Resp: 116597

Ion Ratio Lower Upper

152 100

115 56.0 27.1 81.3

150 154.8 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 56.426 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD077975.D

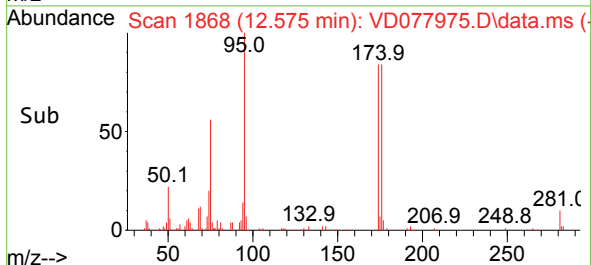
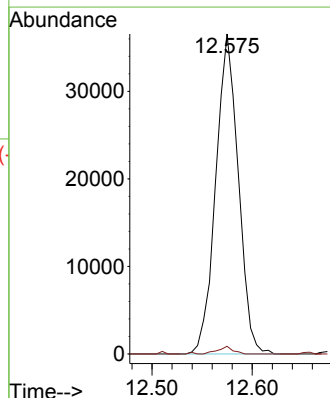
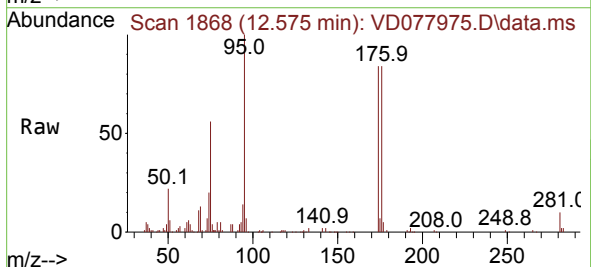
Acq: 19 Dec 2023 15:45

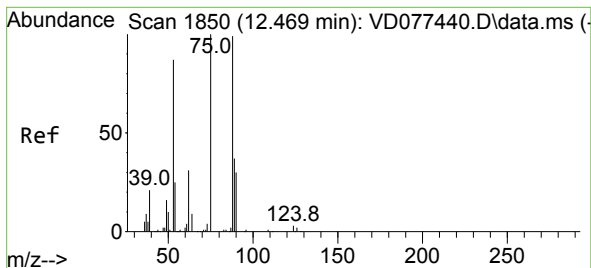
Tgt Ion: 75 Resp: 57140

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#

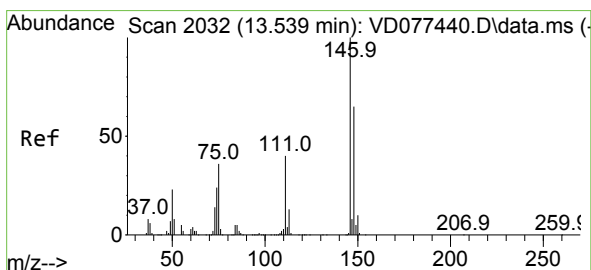
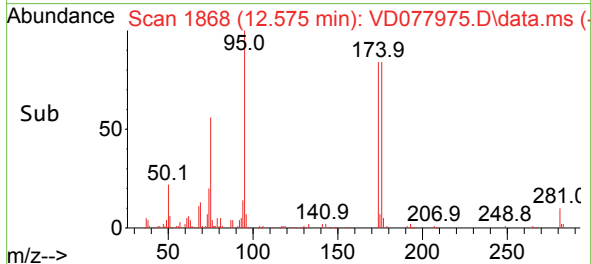
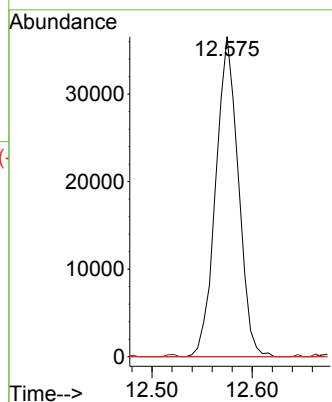
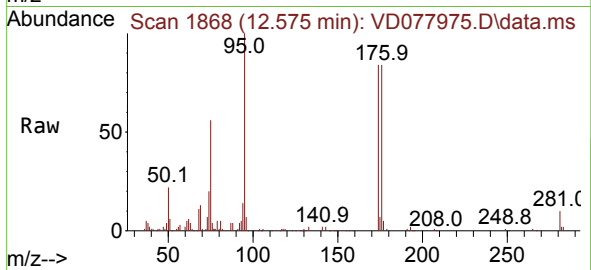




#81
trans-1,4-Dichloro-2-butene
Concen: 114.323 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077975.D
Acq: 19 Dec 2023 15:45

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 57140
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: 13.504 min Scan# 2026
Delta R.T. -0.035 min
Lab File: VD077975.D
Acq: 19 Dec 2023 15:45

Tgt Ion: 146 Resp: 59
Ion Ratio Lower Upper
146 100
111 0.0 17.4 52.3#
148 0.0 31.7 95.1#

