

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121923\
 Data File : VD077973.D
 Acq On : 19 Dec 2023 14:52
 Operator : RP/MD
 Sample : 05884-06
 Misc : 5.06G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 20 02:04:59 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)

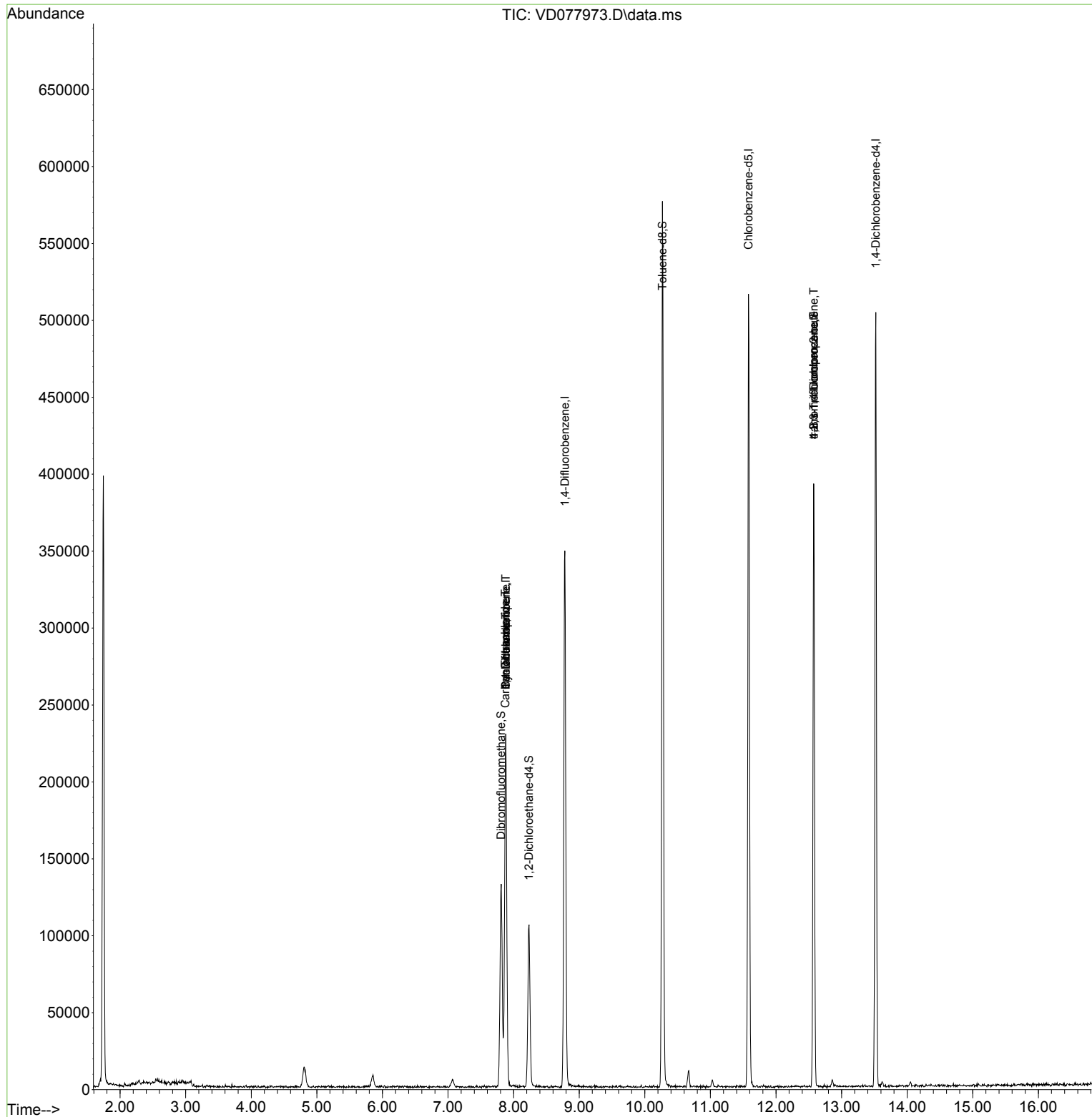
Internal Standards						
1) Pentafluorobenzene	7.881	168	175385	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	323403	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	300944	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	134801	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	83225	40.270	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	80.540%
35) Dibromofluoromethane	7.810	113	96929	42.788	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.580%
50) Toluene-d8	10.269	98	400204	44.110	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.220%
62) 4-Bromofluorobenzene	12.575	95	113361	41.791	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.580%
Target Compounds						
11) Tert butyl alcohol	5.052	59	61	Below Cal	#	73
16) Acetone	4.011	43	74	Below Cal	#	32
20) Methylene Chloride	4.805	84	10771	Below Cal	#	90
25) 2-Butanone	7.081	43	295	Below Cal	#	37
31) Cyclohexane	7.881	56	3925	1.068	ug/l #	34
36) 1,1-Dichloropropene	7.881	75	14000	3.864	ug/l #	43
38) Carbon Tetrachloride	7.875	117	17887	4.952	ug/l #	14
65) Chlorobenzene	11.587	112	53	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	59326	50.673	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	59326	102.668	ug/l #	17
88) 1,4-Dichlorobenzene	13.534	146	86	Below Cal	#	26

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

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Quant Time: Dec 20 02:04:59 2023
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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: VD077973.D

Acq: 19 Dec 2023 14:52

Instrument :

MSVOA_D

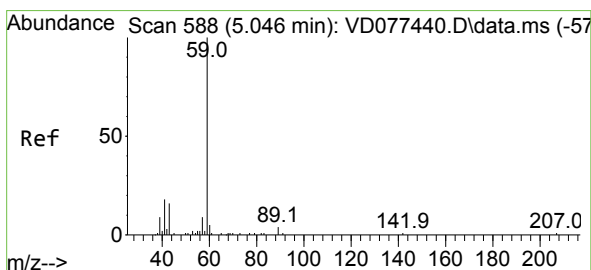
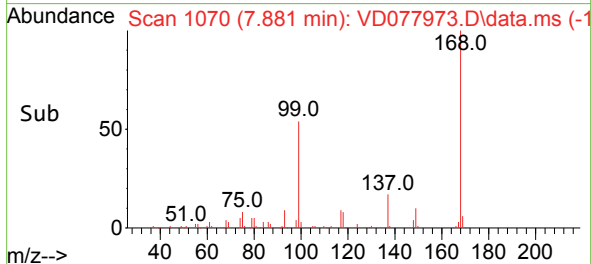
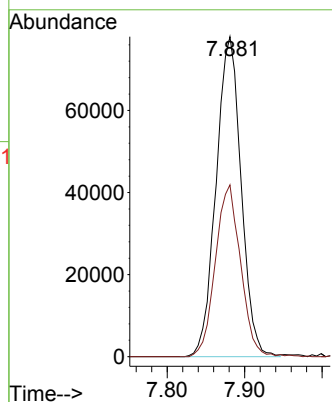
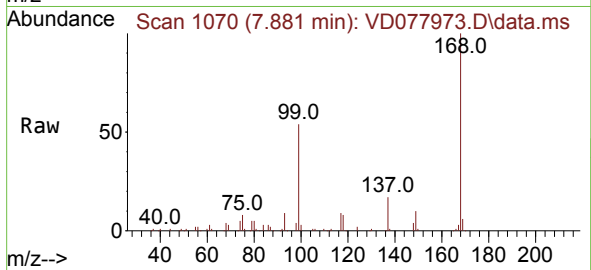
ClientSampleId :

Tgt Ion:168 Resp: 175385

Ion Ratio Lower Upper

168 100

99 53.7 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.052 min Scan# 589

Delta R.T. 0.006 min

Lab File: VD077973.D

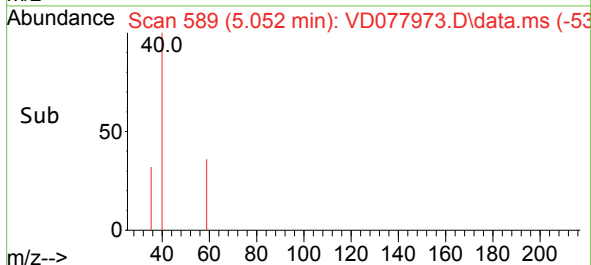
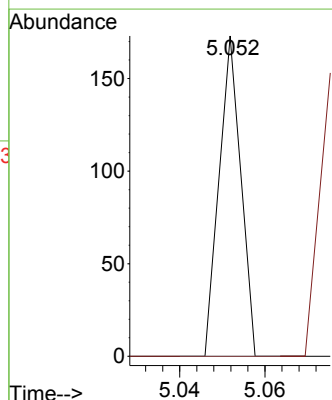
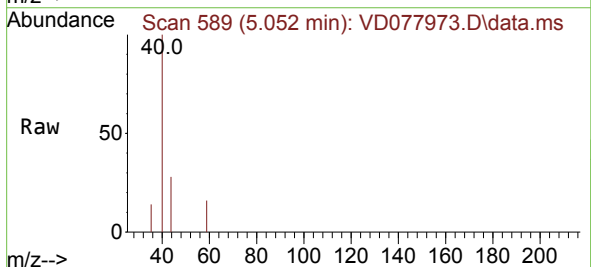
Acq: 19 Dec 2023 14:52

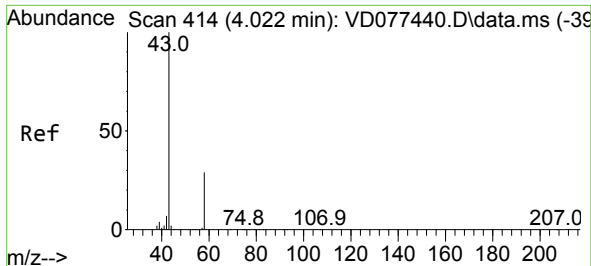
Tgt Ion: 59 Resp: 61

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

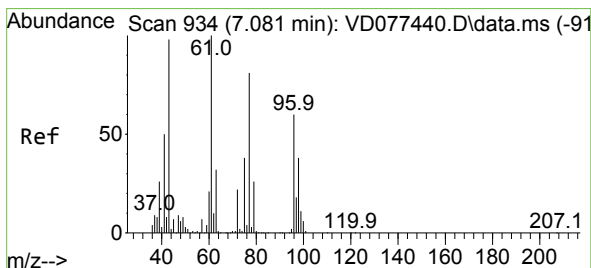
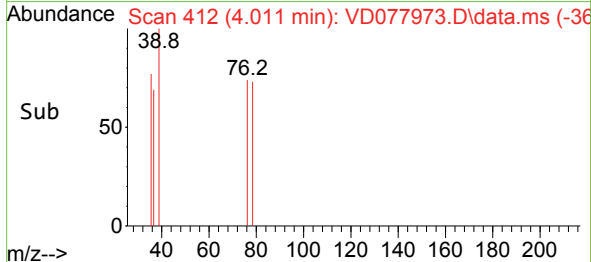
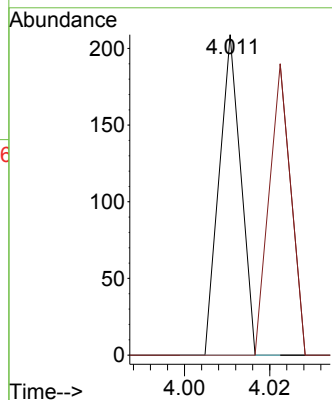
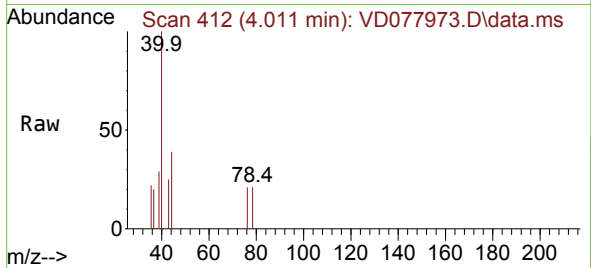




#16
Acetone
Concen: Below Cal
RT: 4.011 min Scan# 41
Delta R.T. -0.011 min
Lab File: VD077973.D
Acq: 19 Dec 2023 14:52

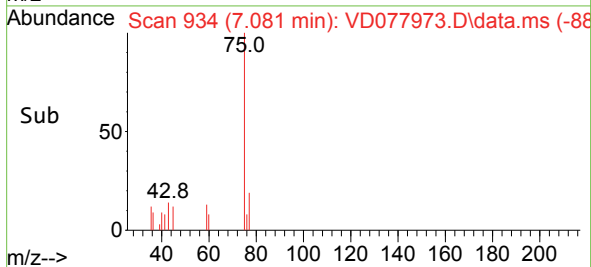
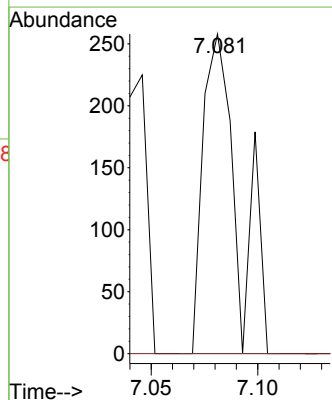
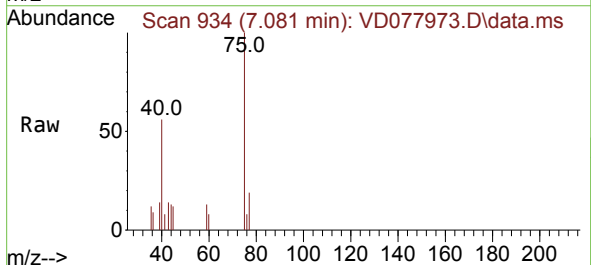
Instrument :
MSVOA_D
ClientSampleId :

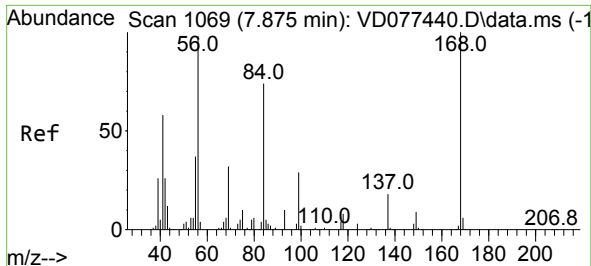
Tgt Ion: 43 Resp: 74
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#25
2-Butanone
Concen: Below Cal
RT: 7.081 min Scan# 934
Delta R.T. 0.000 min
Lab File: VD077973.D
Acq: 19 Dec 2023 14:52

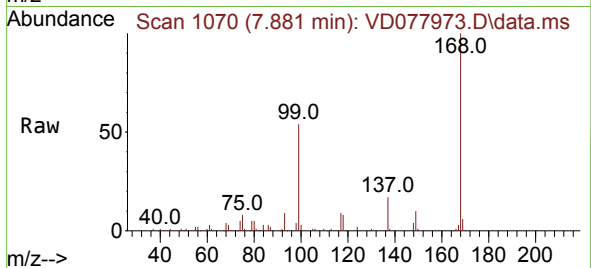
Tgt Ion: 43 Resp: 295
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



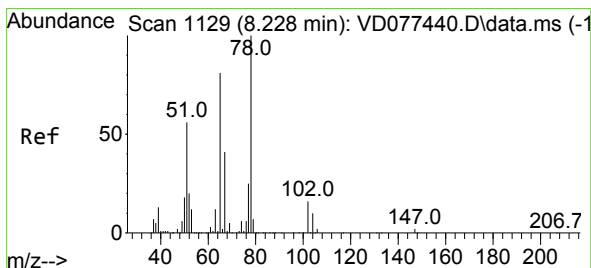
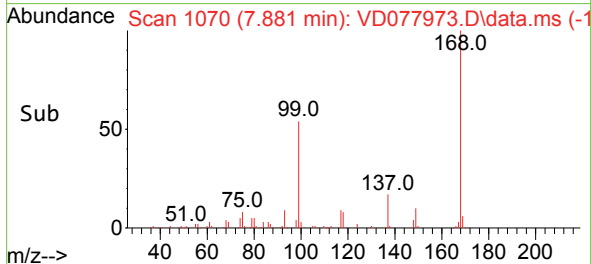
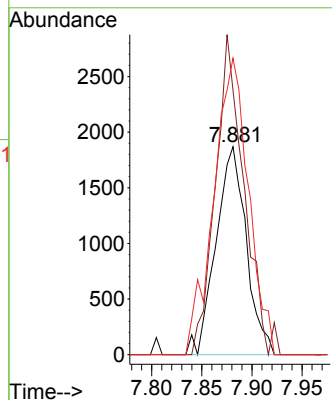


#31
Cyclohexane
Concen: 1.068 ug/l
RT: 7.881 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VD077973.D
Acq: 19 Dec 2023 14:52

Instrument :
MSVOA_D
ClientSampleId :

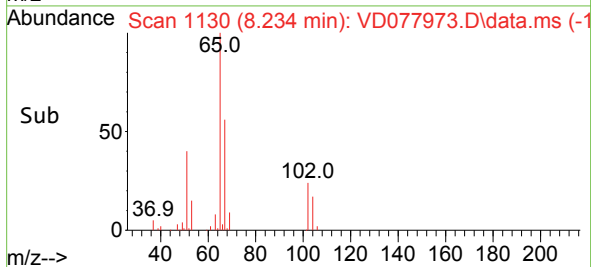
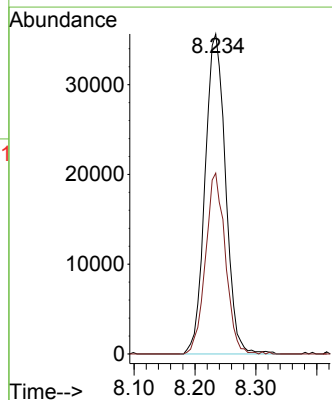
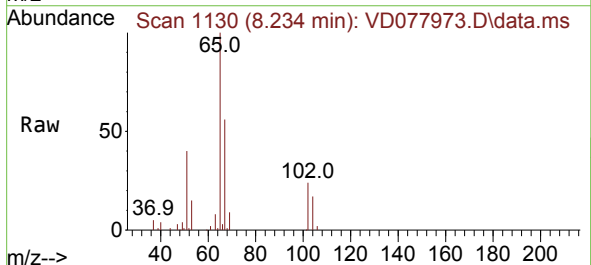


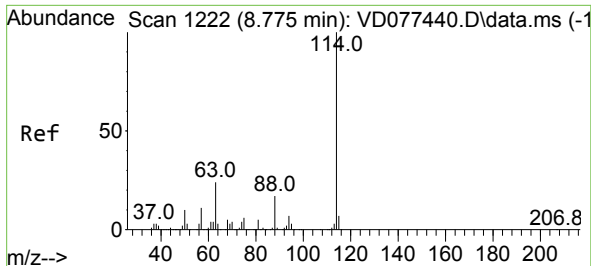
Tgt Ion: 56 Resp: 3925
Ion Ratio Lower Upper
56 100
69 127.2 28.6 43.0#
84 142.5 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 40.270 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077973.D
Acq: 19 Dec 2023 14:52

Tgt Ion: 65 Resp: 83225
Ion Ratio Lower Upper
65 100
67 54.8 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: VD077973.D

Acq: 19 Dec 2023 14:52

Instrument :

MSVOA_D

ClientSampleId :

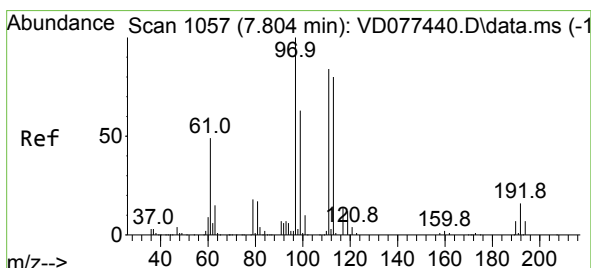
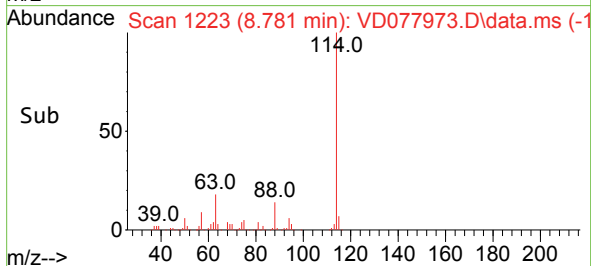
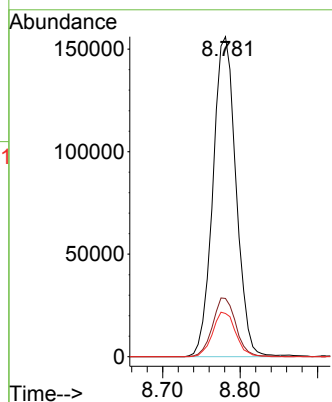
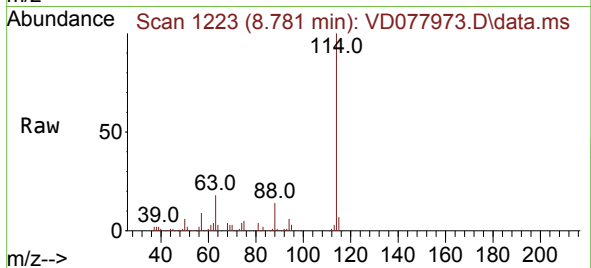
Tgt Ion:114 Resp: 323403

Ion Ratio Lower Upper

114 100

63 18.2 0.0 33.4

88 13.5 0.0 26.2



#35

Dibromofluoromethane

Concen: 42.788 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077973.D

Acq: 19 Dec 2023 14:52

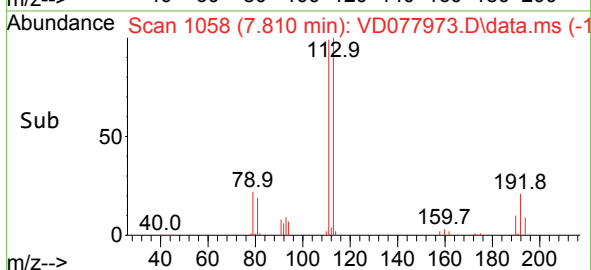
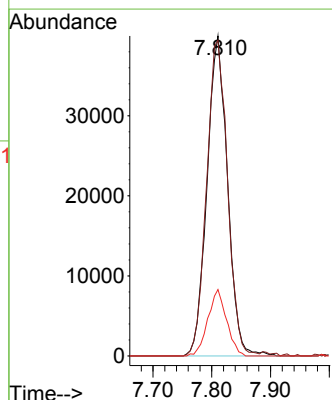
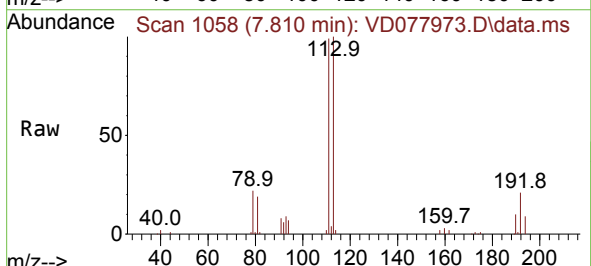
Tgt Ion:113 Resp: 96929

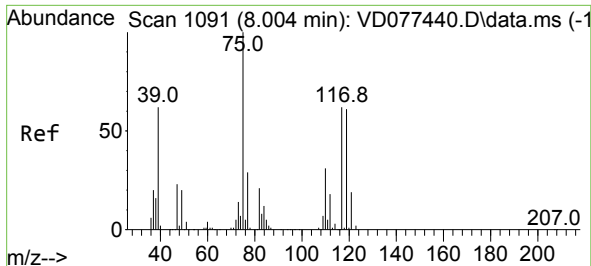
Ion Ratio Lower Upper

113 100

111 100.6 84.7 127.1

192 19.0 16.8 25.2





#36

1,1-Dichloropropene

Concen: 3.864 ug/l

RT: 7.881 min Scan# 1069

Delta R.T. -0.123 min

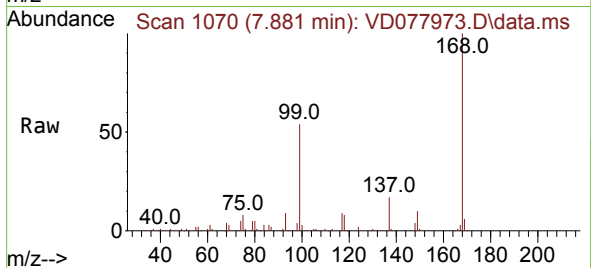
Lab File: VD077973.D

Acq: 19 Dec 2023 14:52

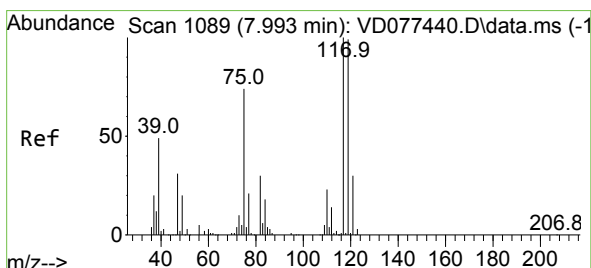
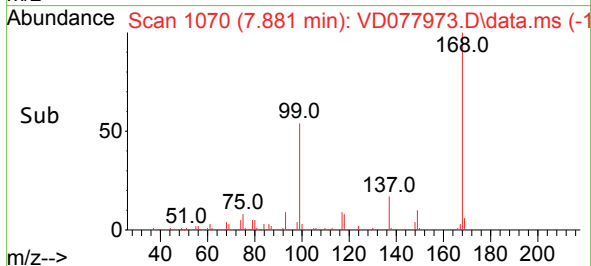
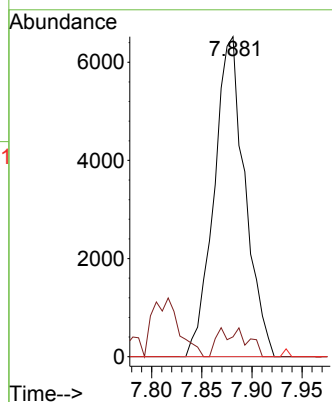
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 14000
Ion Ratio	Lower Upper
75	100
110	4.3 19.9 59.6#
77	0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 4.952 ug/l

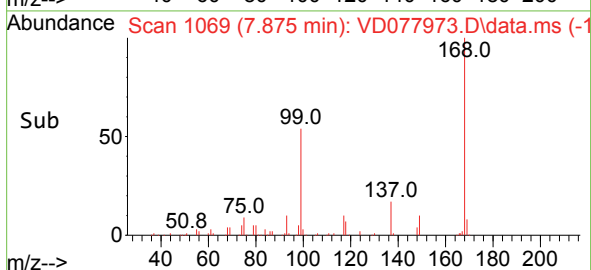
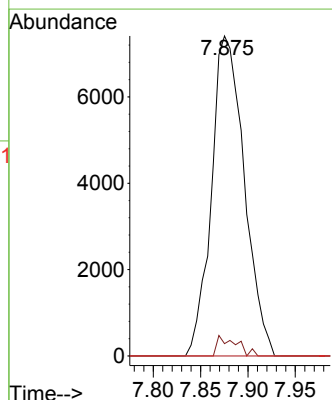
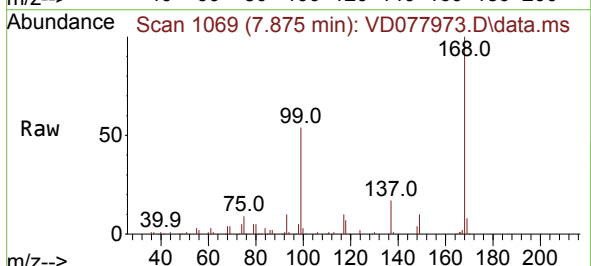
RT: 7.875 min Scan# 1069

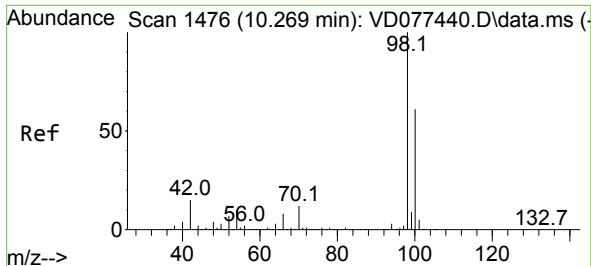
Delta R.T. -0.118 min

Lab File: VD077973.D

Acq: 19 Dec 2023 14:52

Tgt Ion: 117	Resp: 17887
Ion Ratio	Lower Upper
117	100
119	3.9 78.0 117.0#
121	0.0 24.2 36.2#

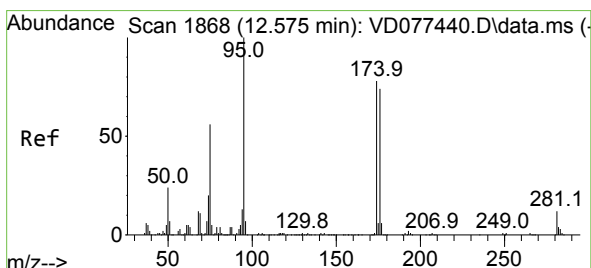
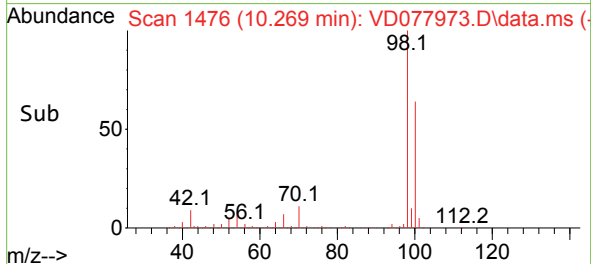
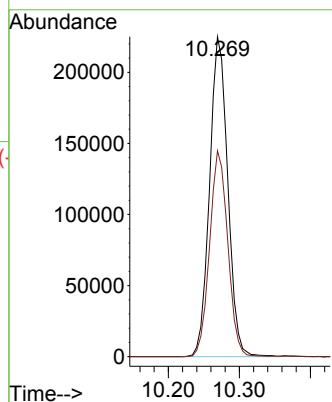
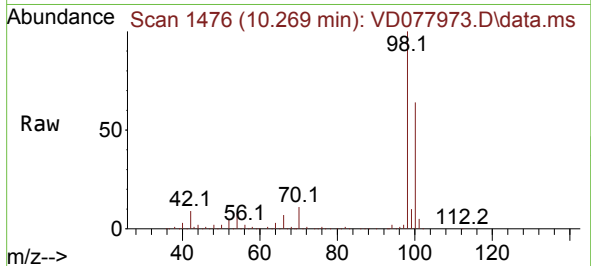




#50
Toluene-d8
Concen: 44.110 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077973.D
Acq: 19 Dec 2023 14:52

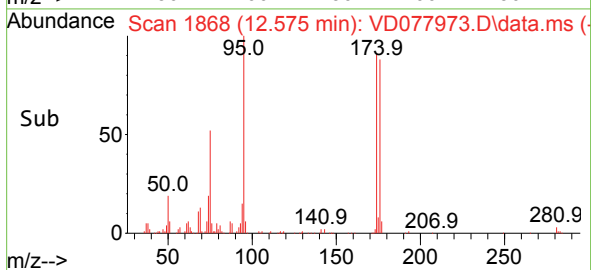
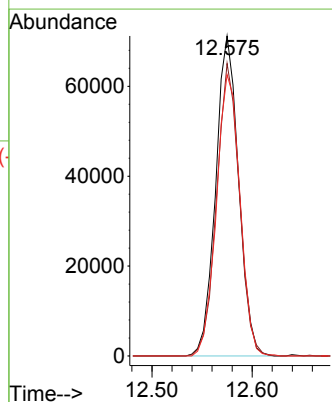
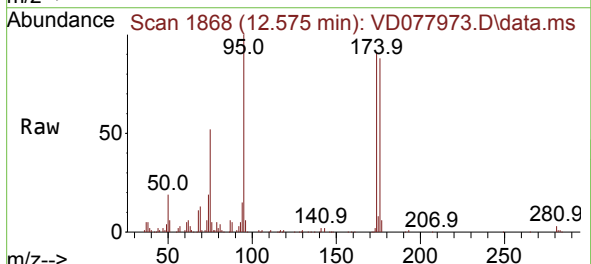
Instrument :
MSVOA_D
ClientSampleId :

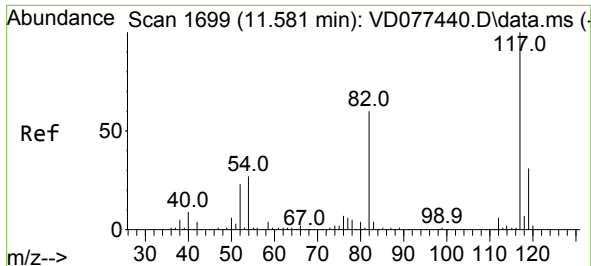
Tgt Ion: 98 Resp: 400204
Ion Ratio Lower Upper
98 100
100 64.3 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 41.791 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077973.D
Acq: 19 Dec 2023 14:52

Tgt Ion: 95 Resp: 113361
Ion Ratio Lower Upper
95 100
174 90.0 0.0 201.8
176 90.0 0.0 191.8

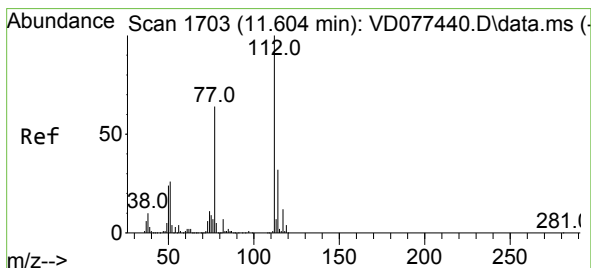
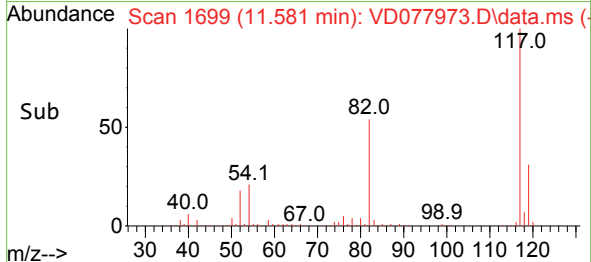
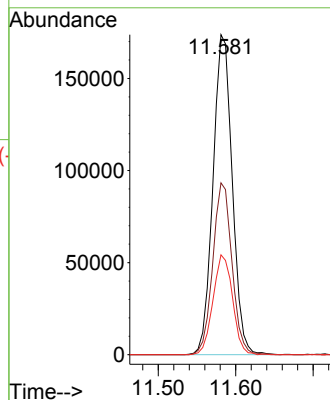
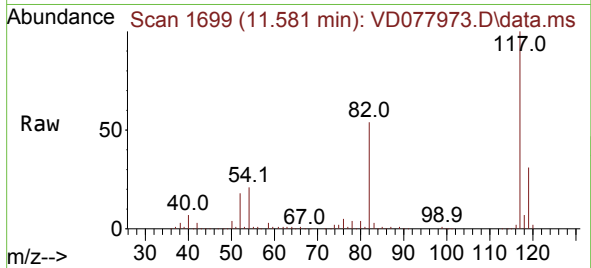




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD077973.D
Acq: 19 Dec 2023 14:52

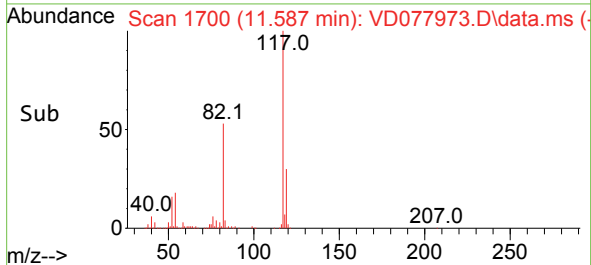
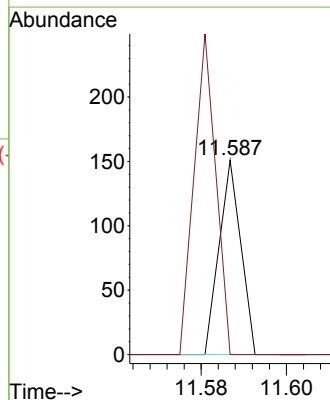
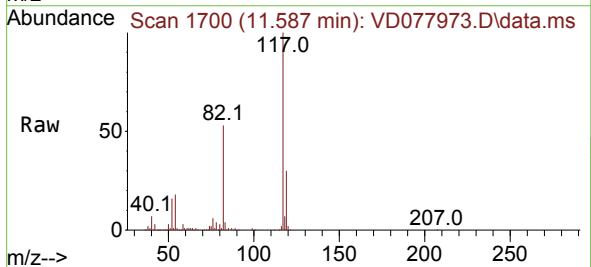
Instrument :
MSVOA_D
ClientSampleId :

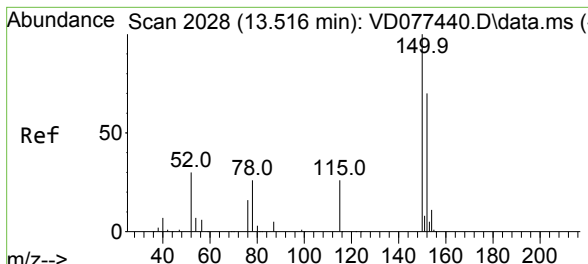
Tgt Ion:117 Resp: 300944
Ion Ratio Lower Upper
117 100
82 53.7 38.3 57.5
119 31.2 25.0 37.4



#65
Chlorobenzene
Concen: Below Cal
RT: 11.587 min Scan# 1700
Delta R.T. -0.017 min
Lab File: VD077973.D
Acq: 19 Dec 2023 14:52

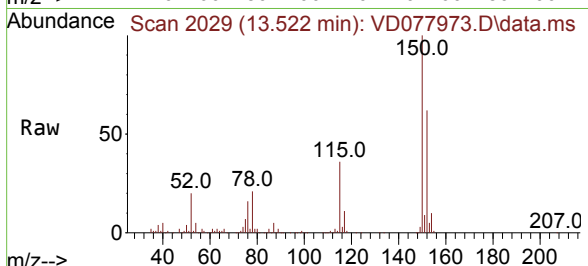
Tgt Ion:112 Resp: 53
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#



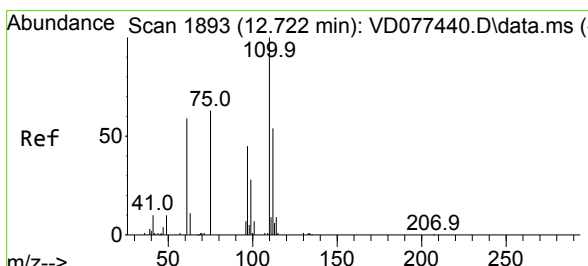
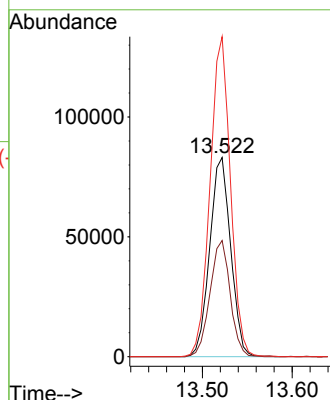
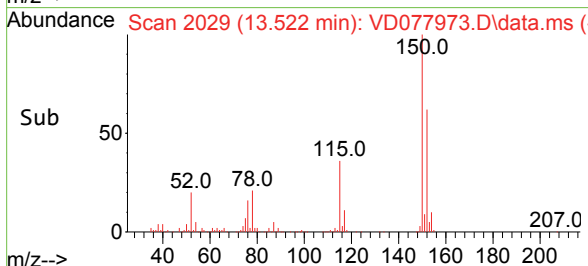


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VD077973.D
 Acq: 19 Dec 2023 14:52

Instrument :
 MSVOA_D
 ClientSampleId :

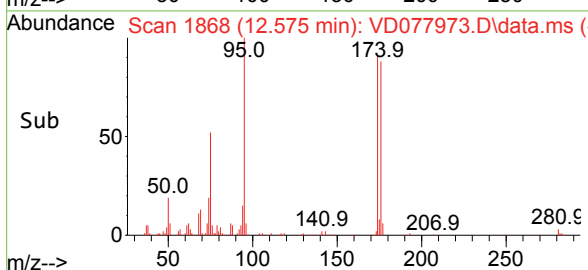
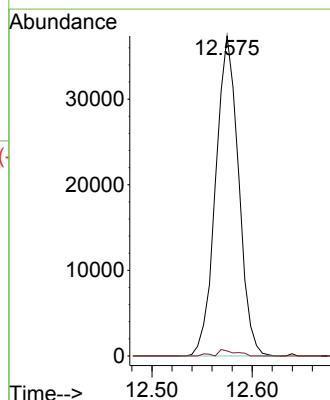
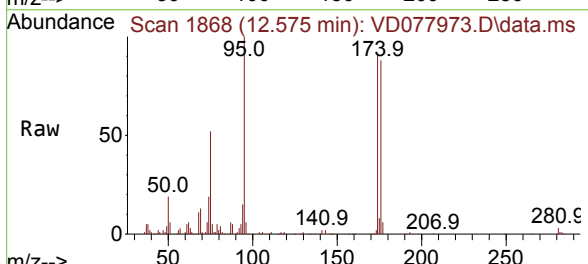


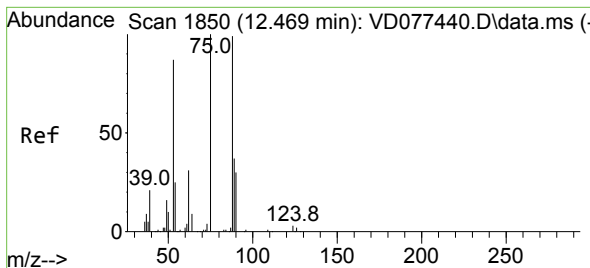
Tgt Ion:152 Resp: 134801
 Ion Ratio Lower Upper
 152 100
 115 56.1 27.1 81.3
 150 156.1 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 50.673 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD077973.D
 Acq: 19 Dec 2023 14:52

Tgt Ion: 75 Resp: 59326
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#

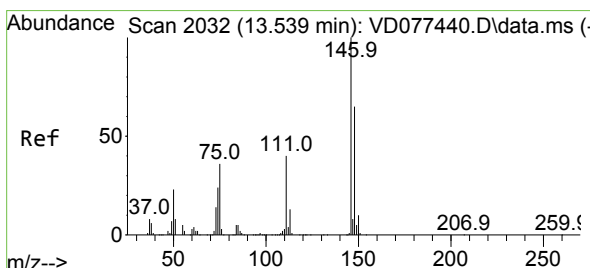
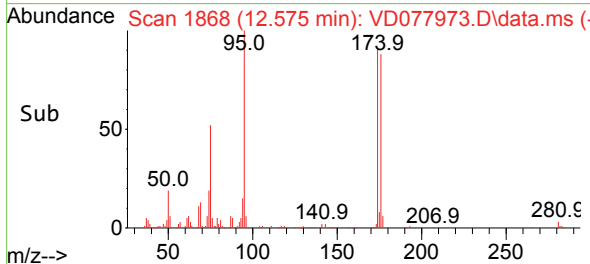
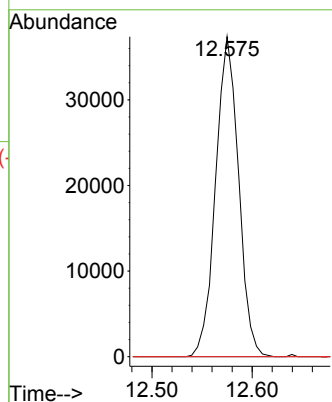
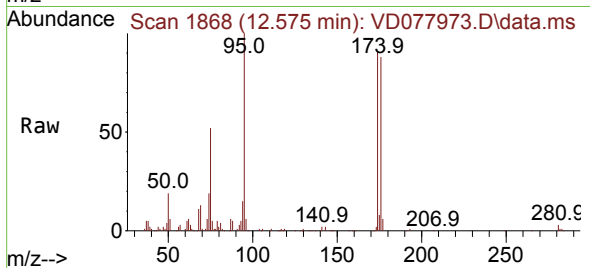




#81
trans-1,4-Dichloro-2-butene
Concen: 102.668 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077973.D
Acq: 19 Dec 2023 14:52

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 59326
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: VD077973.D
Acq: 19 Dec 2023 14:52

Tgt Ion: 146 Resp: 86
Ion Ratio Lower Upper
146 100
111 0.0 17.4 52.3#
148 0.0 31.7 95.1#

