

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121323\
 Data File : VD077864.D
 Acq On : 13 Dec 2023 16:04
 Operator : RP/MD
 Sample : 05760-05
 Misc : 5.05G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 14 01:53:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 08 13:33:18 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

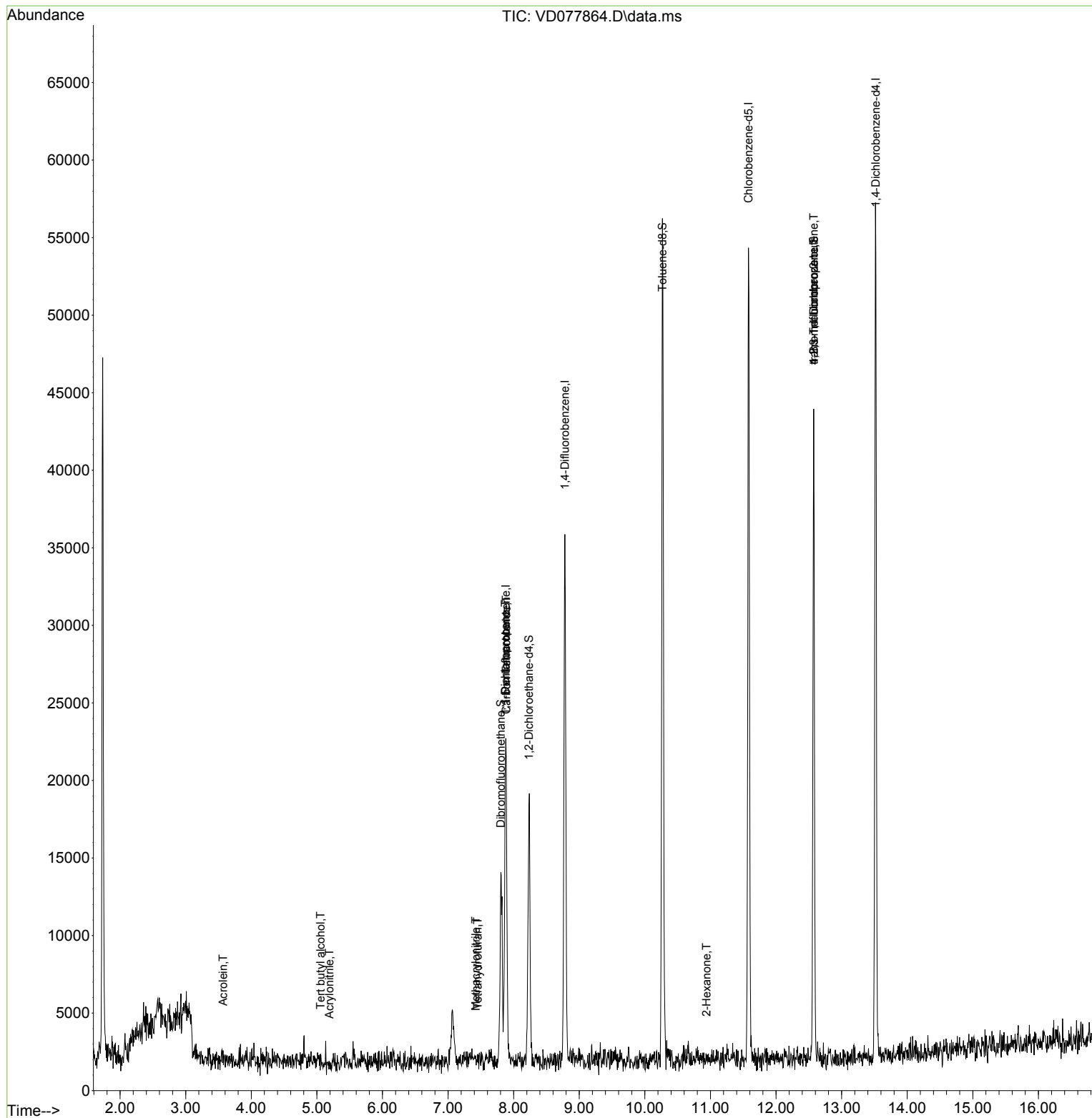
Internal Standards						
1) Pentafluorobenzene	7.881	168	16770	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	29589	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	31622	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	14167	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	12770	64.622	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 129.240%			
35) Dibromofluoromethane	7.804	113	8538	41.195	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 82.380%			
50) Toluene-d8	10.269	98	38389	46.246	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 92.500%			
62) 4-Bromofluorobenzene	12.575	95	11882	47.876	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.760%			
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.058	59	124	1.841	ug/l #	73
13) Acrolein	3.569	56	70	3.349	ug/l #	15
15) Acrylonitrile	5.193	53	100	2.330	ug/l #	18
16) Acetone	4.005	43	124	Below Cal	#	1
20) Methylene Chloride	4.810	84	463	Below Cal	#	21
25) 2-Butanone	7.081	43	166	Below Cal	#	37
29) Tetrahydrofuran	7.452	42	55	1.748	ug/l #	23
36) 1,1-Dichloropropene	7.875	75	1634	4.929	ug/l #	39
38) Carbon Tetrachloride	7.887	117	1643	4.971	ug/l #	11
41) Methacrylonitrile	7.422	41	92	1.400	ug/l #	1
59) 2-Hexanone	10.940	43	116	1.192	ug/l #	16
65) Chlorobenzene	11.610	112	116	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	6438	52.324	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	6438	106.012	ug/l #	17

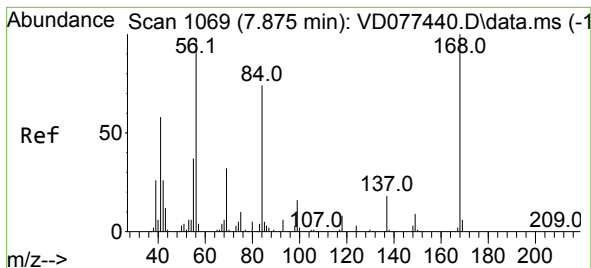
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Dec 08 13:33:18 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: VD077864.D

Acq: 13 Dec 2023 16:04

Instrument :

MSVOA_D

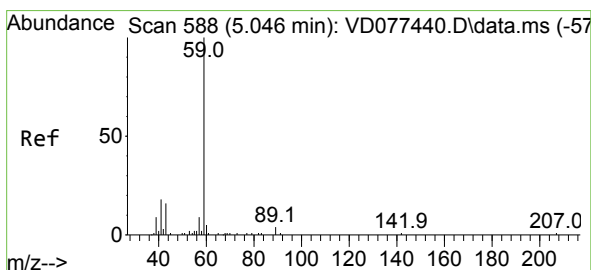
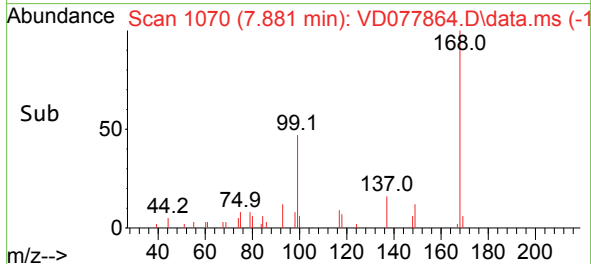
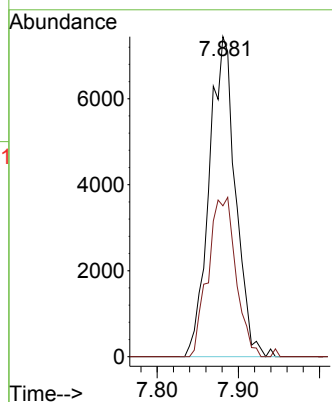
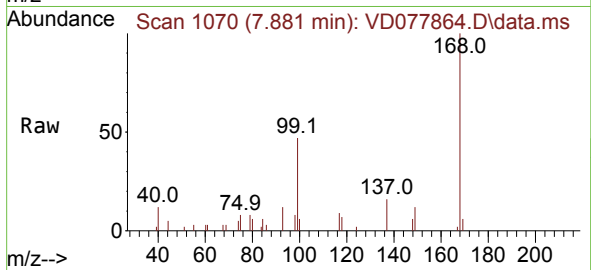
ClientSampleId :

Tgt Ion:168 Resp: 16770

Ion Ratio Lower Upper

168 100

99 47.2 36.7 55.1



#11

Tert butyl alcohol

Concen: 1.841 ug/l

RT: 5.058 min Scan# 590

Delta R.T. 0.011 min

Lab File: VD077864.D

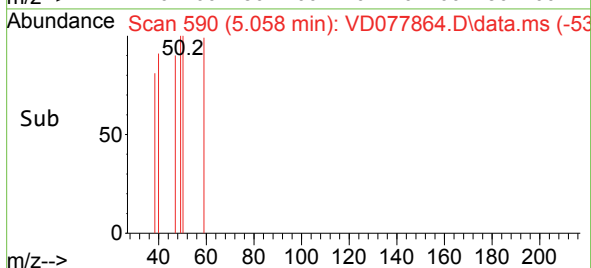
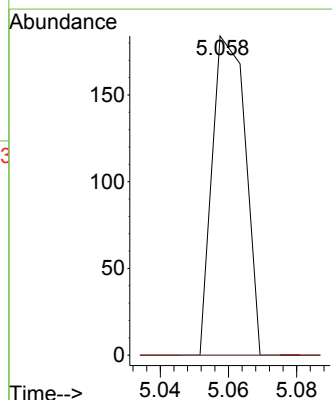
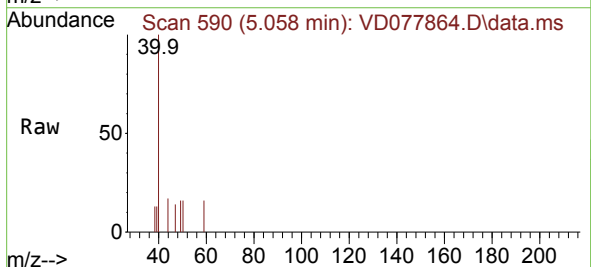
Acq: 13 Dec 2023 16:04

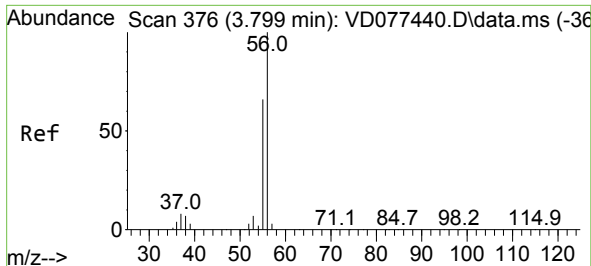
Tgt Ion: 59 Resp: 124

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

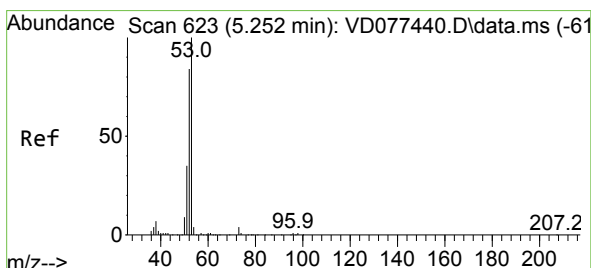
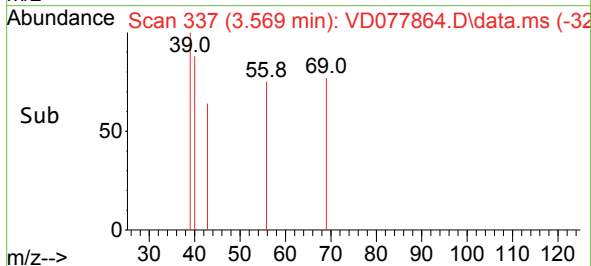
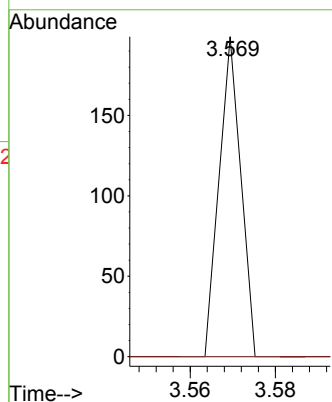
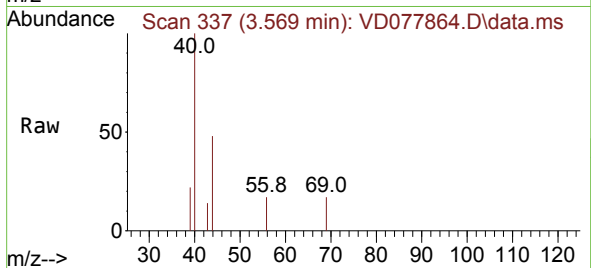




#13
Acrolein
Concen: 3.349 ug/l
RT: 3.569 min Scan# 31
Delta R.T. -0.230 min
Lab File: VD077864.D
Acq: 13 Dec 2023 16:04

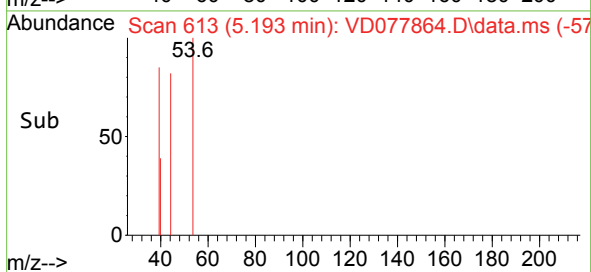
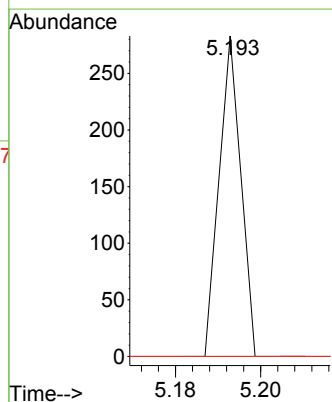
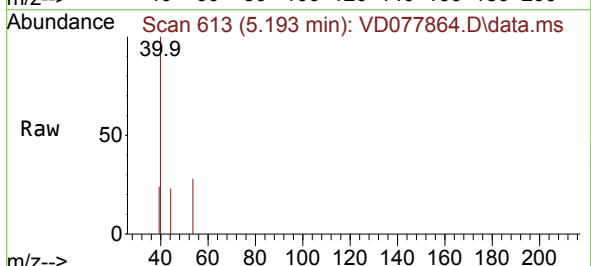
Instrument :
MSVOA_D
ClientSampleId :

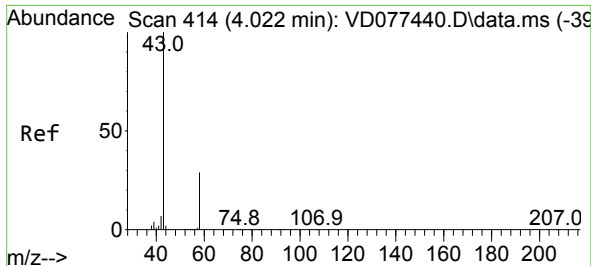
Tgt Ion: 56 Resp: 70
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#



#15
Acrylonitrile
Concen: 2.330 ug/l
RT: 5.193 min Scan# 613
Delta R.T. -0.059 min
Lab File: VD077864.D
Acq: 13 Dec 2023 16:04

Tgt Ion: 53 Resp: 100
Ion Ratio Lower Upper
53 100
52 0.0 65.0 97.4#
51 0.0 28.3 42.5#

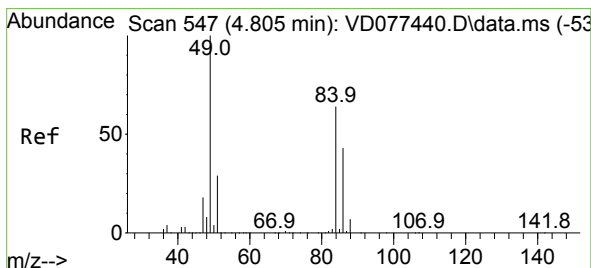
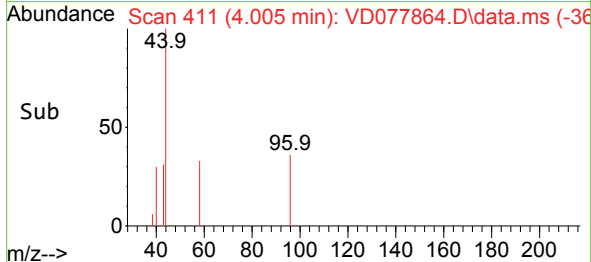
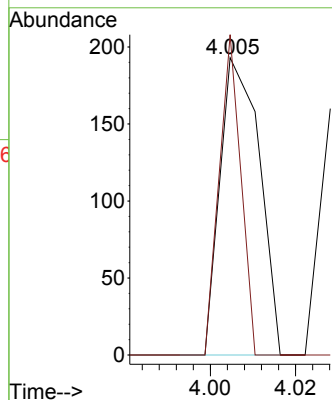
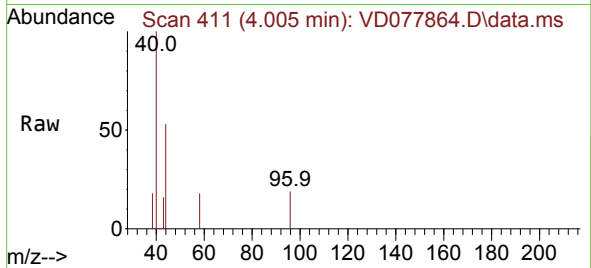




#16
Acetone
Concen: Below Cal
RT: 4.005 min Scan# 41
Delta R.T. -0.017 min
Lab File: VD077864.D
Acq: 13 Dec 2023 16:04

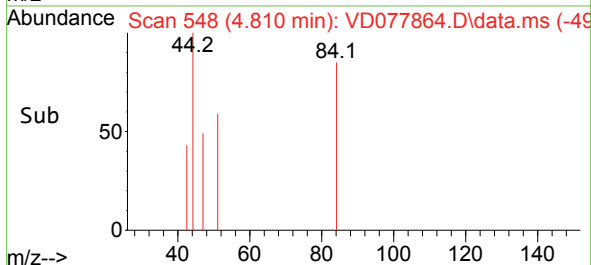
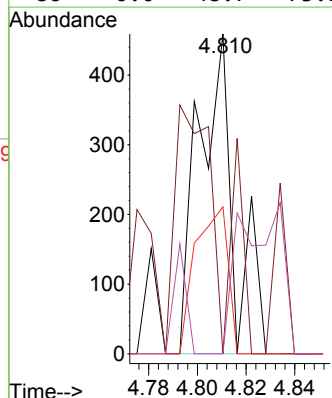
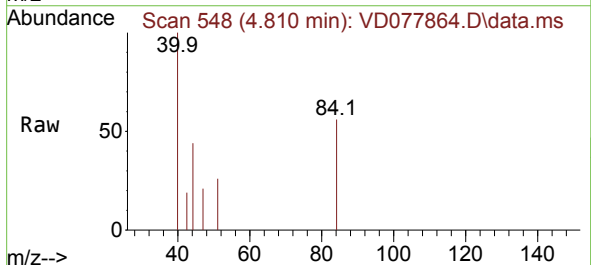
Instrument :
MSVOA_D
ClientSampleId :

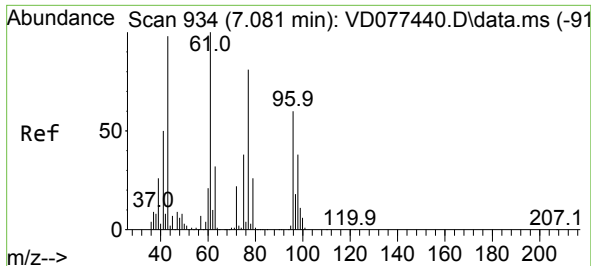
Tgt Ion: 43 Resp: 124
Ion Ratio Lower Upper
43 100
58 107.8 34.7 52.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.810 min Scan# 548
Delta R.T. 0.005 min
Lab File: VD077864.D
Acq: 13 Dec 2023 16:04

Tgt Ion: 84 Resp: 463
Ion Ratio Lower Upper
84 100
49 0.0 71.4 107.2#
51 46.0 24.5 36.7#
86 0.0 48.7 73.1#





#25

2-Butanone

Concen: Below Cal

RT: 7.081 min Scan# 91

Delta R.T. -0.000 min

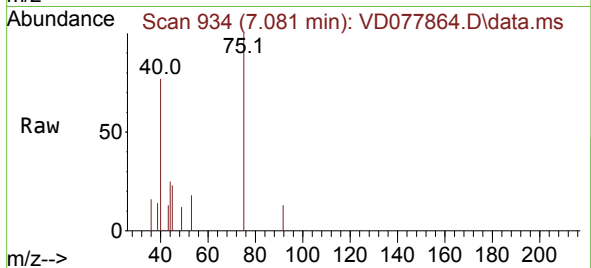
Lab File: VD077864.D

Acq: 13 Dec 2023 16:04

Instrument :

MSVOA_D

ClientSampleId :

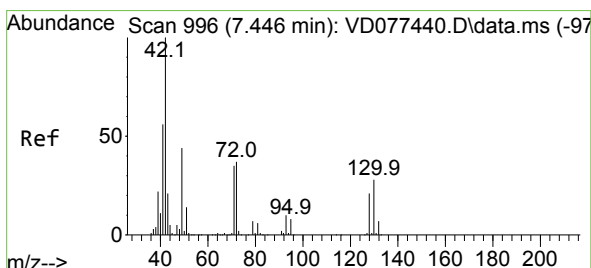
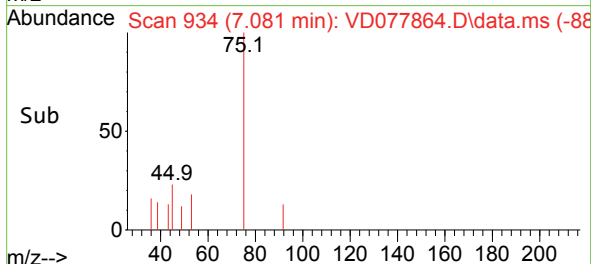
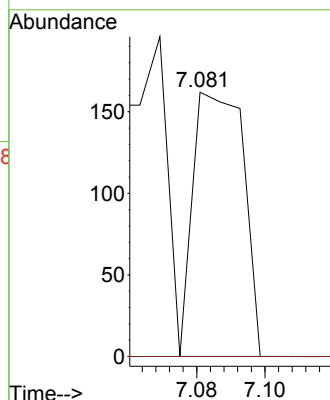


Tgt Ion: 43 Resp: 166

Ion Ratio Lower Upper

43 100

72 0.0 30.7 46.1#



#29

Tetrahydrofuran

Concen: 1.748 ug/l

RT: 7.452 min Scan# 997

Delta R.T. 0.006 min

Lab File: VD077864.D

Acq: 13 Dec 2023 16:04

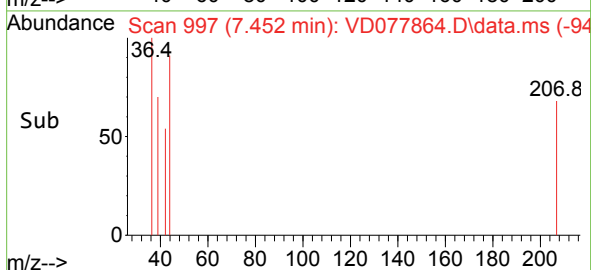
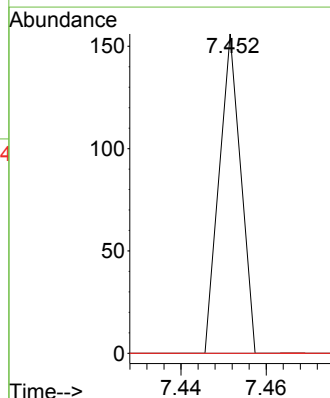
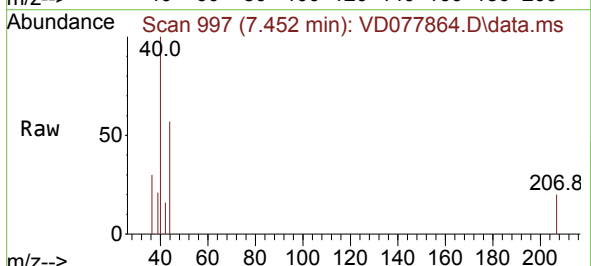
Tgt Ion: 42 Resp: 55

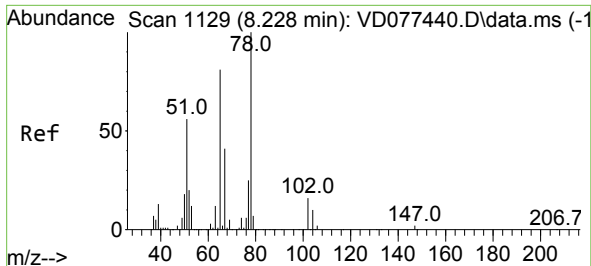
Ion Ratio Lower Upper

42 100

72 0.0 46.5 69.7#

71 0.0 44.5 66.7#





#33

1,2-Dichloroethane-d4

Concen: 64.622 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD077864.D

Acq: 13 Dec 2023 16:04

Instrument :

MSVOA_D

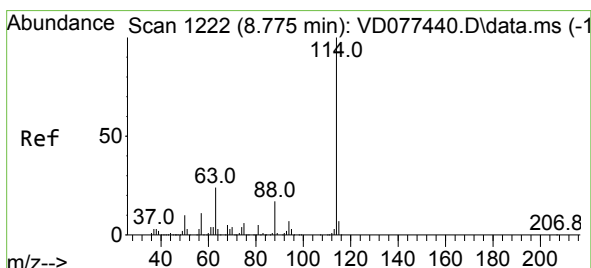
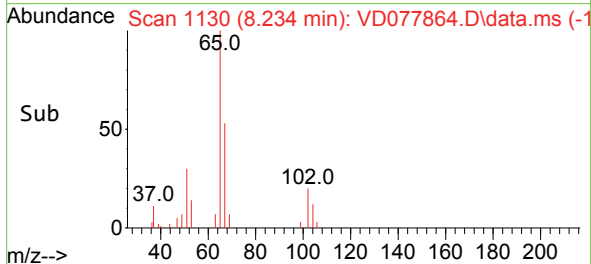
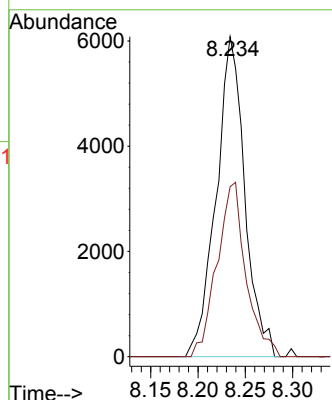
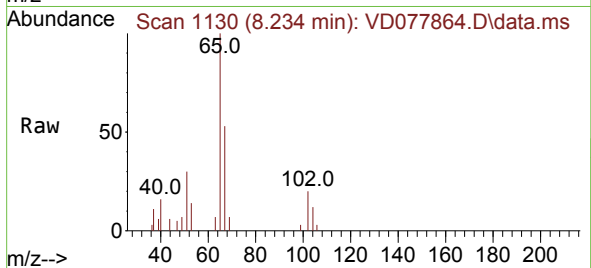
ClientSampleId :

Tgt Ion: 65 Resp: 12770

Ion Ratio Lower Upper

65 100

67 55.2 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: VD077864.D

Acq: 13 Dec 2023 16:04

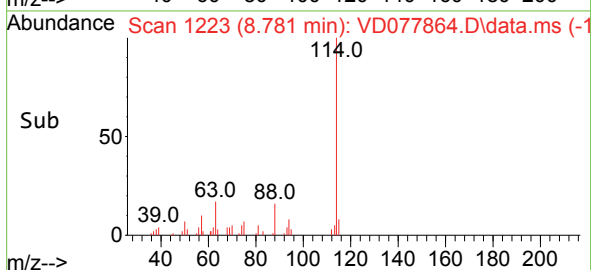
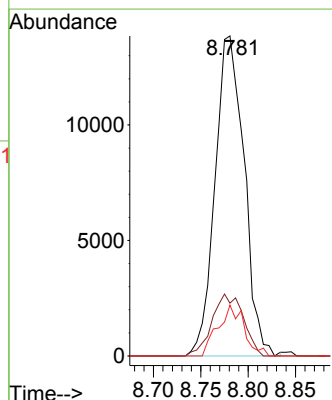
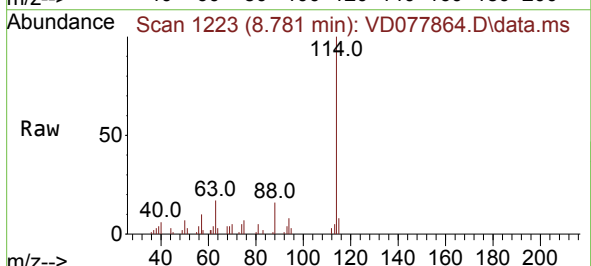
Tgt Ion: 114 Resp: 29589

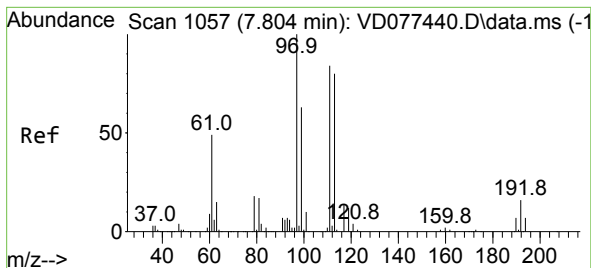
Ion Ratio Lower Upper

114 100

63 16.5 0.0 33.4

88 15.9 0.0 26.2





#35

Dibromofluoromethane

Concen: 41.195 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

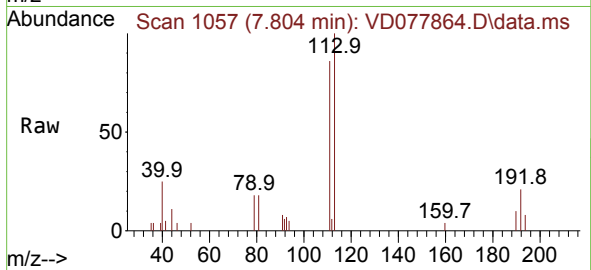
Lab File: VD077864.D

Acq: 13 Dec 2023 16:04

Instrument :

MSVOA_D

ClientSampleId :



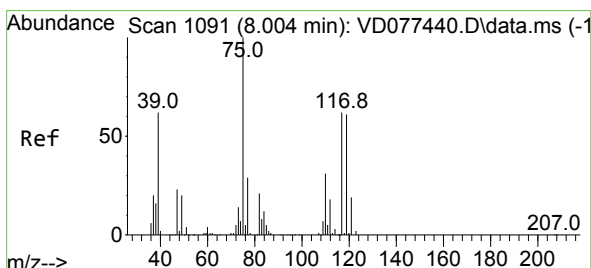
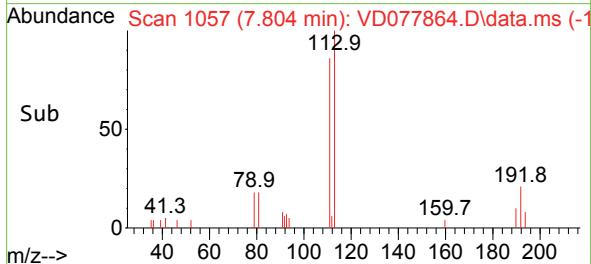
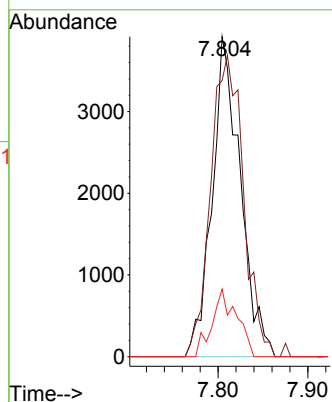
Tgt Ion:113 Resp: 8538

Ion Ratio Lower Upper

113 100

111 109.4 84.7 127.1

192 18.4 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.929 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD077864.D

Acq: 13 Dec 2023 16:04

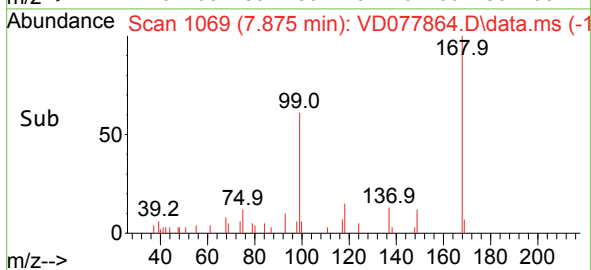
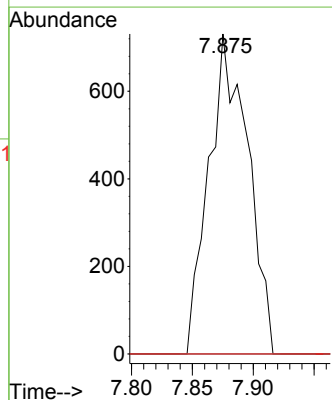
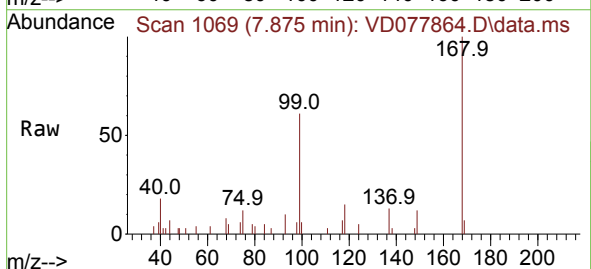
Tgt Ion: 75 Resp: 1634

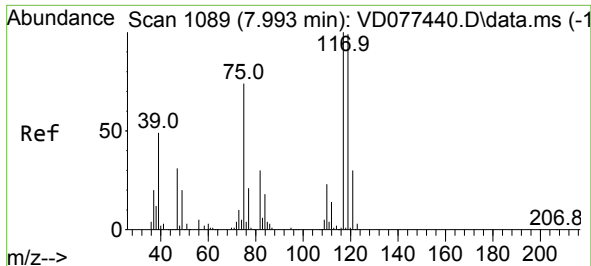
Ion Ratio Lower Upper

75 100

110 0.0 19.9 59.6#

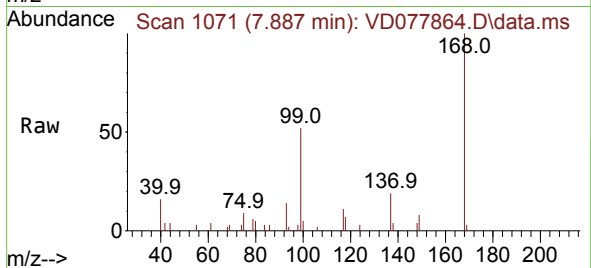
77 0.0 24.7 37.1#



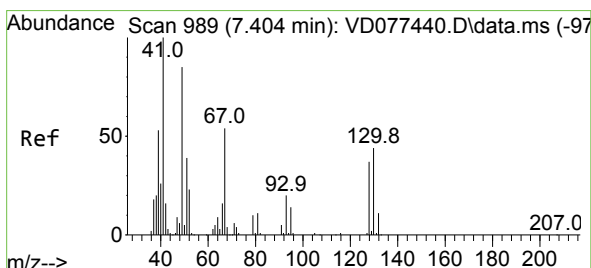
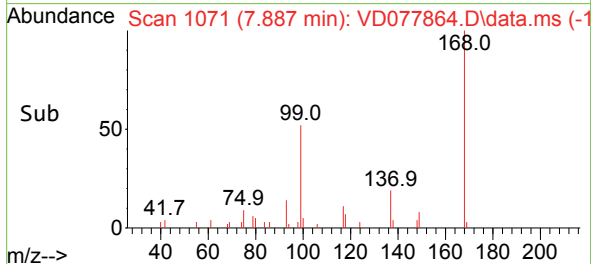
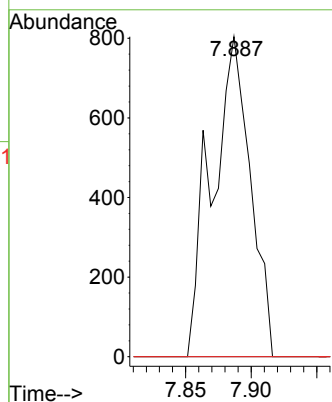


#38
Carbon Tetrachloride
Concen: 4.971 ug/l
RT: 7.887 min Scan# 1089
Delta R.T. -0.106 min
Lab File: VD077864.D
Acq: 13 Dec 2023 16:04

Instrument :
MSVOA_D
ClientSampleId :

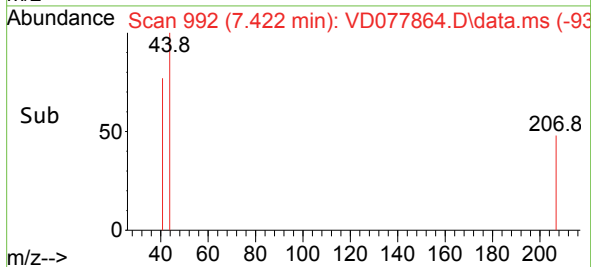
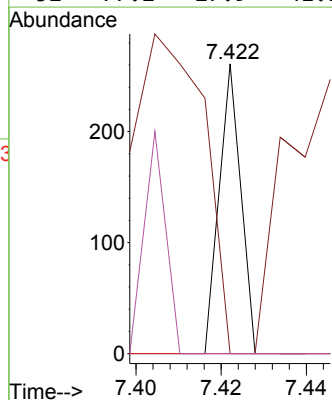
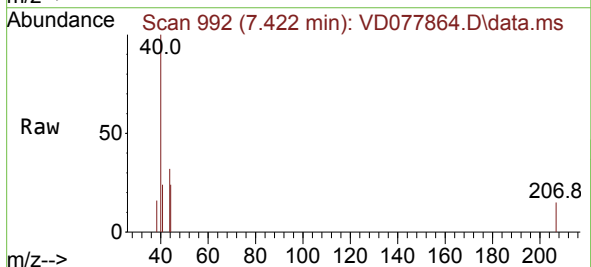


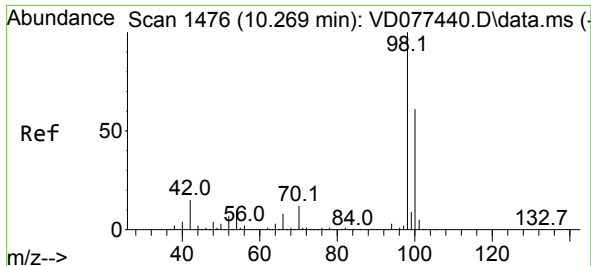
Tgt Ion:117 Resp: 1643
Ion Ratio Lower Upper
117 100
119 0.0 78.0 117.0#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 1.400 ug/l
RT: 7.422 min Scan# 992
Delta R.T. 0.018 min
Lab File: VD077864.D
Acq: 13 Dec 2023 16:04

Tgt Ion: 41 Resp: 92
Ion Ratio Lower Upper
41 100
39 368.5 34.0 51.0#
67 0.0 77.0 115.4#
52 77.2 27.9 41.9#

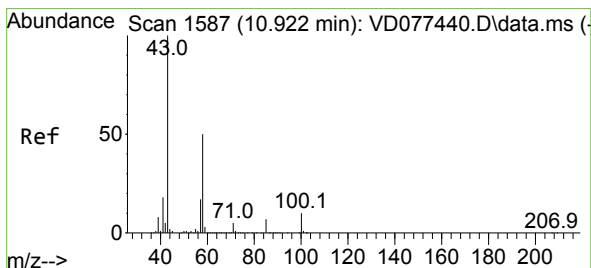
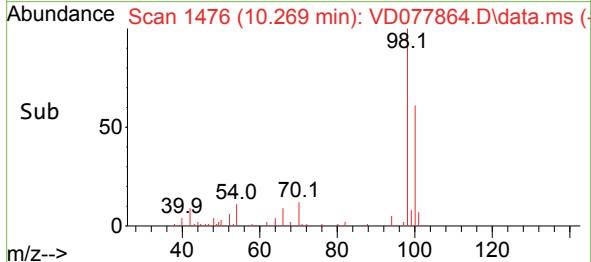
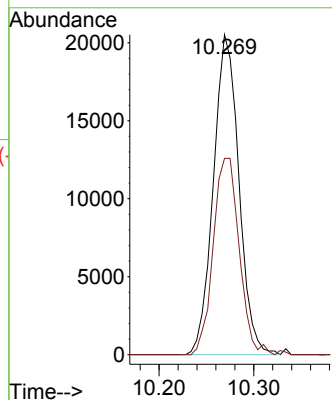
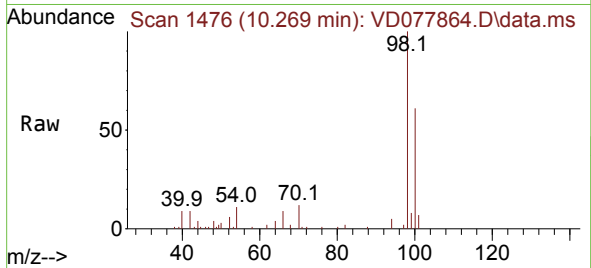




#50
Toluene-d8
Concen: 46.246 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077864.D
Acq: 13 Dec 2023 16:04

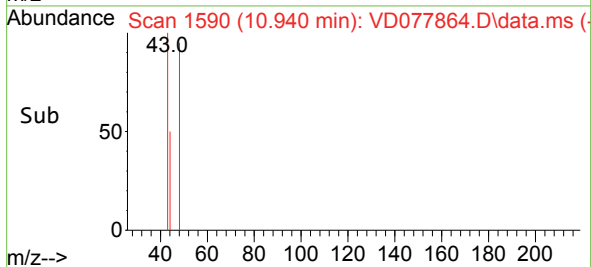
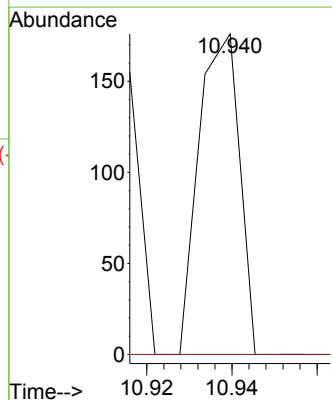
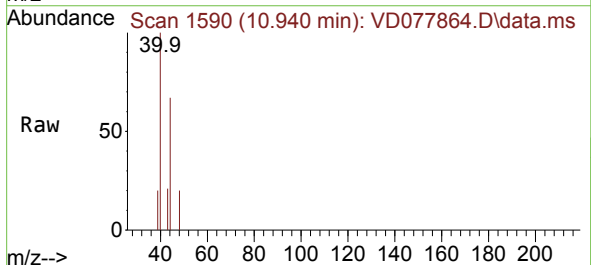
Instrument :
MSVOA_D
ClientSampleId :

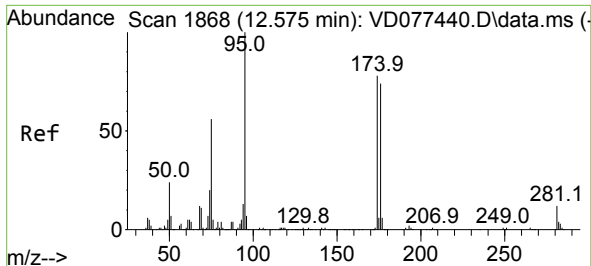
Tgt Ion: 98 Resp: 38389
Ion Ratio Lower Upper
98 100
100 62.5 50.3 75.5



#59
2-Hexanone
Concen: 1.192 ug/l
RT: 10.940 min Scan# 1590
Delta R.T. 0.018 min
Lab File: VD077864.D
Acq: 13 Dec 2023 16:04

Tgt Ion: 43 Resp: 116
Ion Ratio Lower Upper
43 100
58 0.0 34.1 102.2#

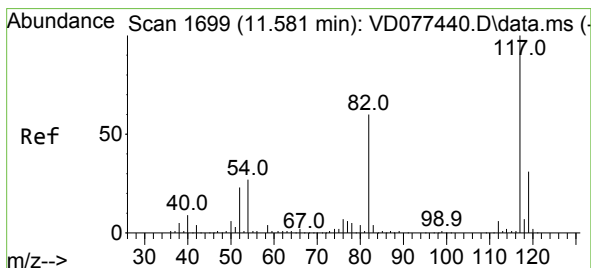
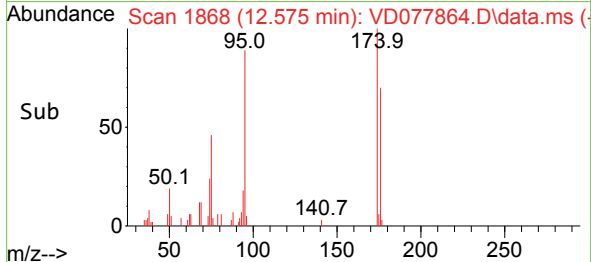
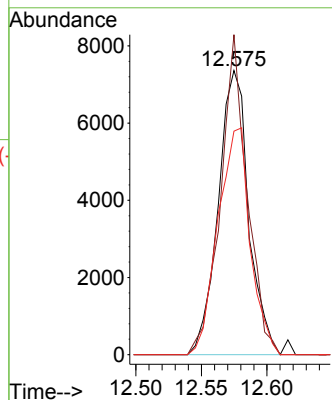
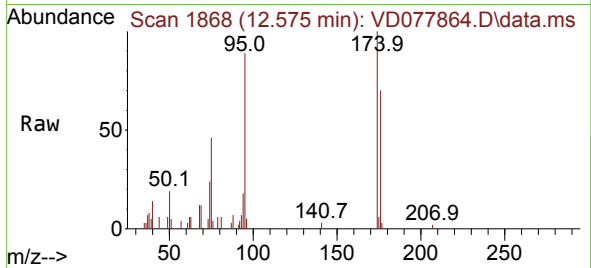




#62
4-Bromofluorobenzene
Concen: 47.876 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077864.D
Acq: 13 Dec 2023 16:04

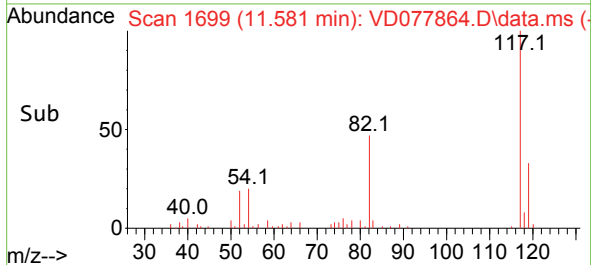
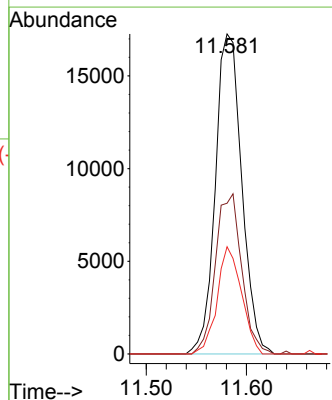
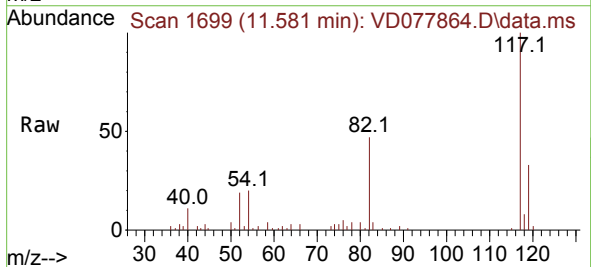
Instrument :
MSVOA_D
ClientSampleId :

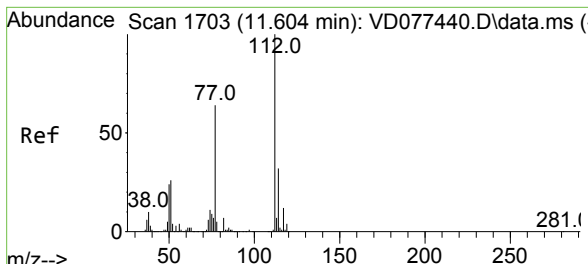
Tgt Ion: 95 Resp: 11882
Ion Ratio Lower Upper
95 100
174 98.3 0.0 201.8
176 84.6 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077864.D
Acq: 13 Dec 2023 16:04

Tgt Ion: 117 Resp: 31622
Ion Ratio Lower Upper
117 100
82 47.1 38.3 57.5
119 33.5 25.0 37.4

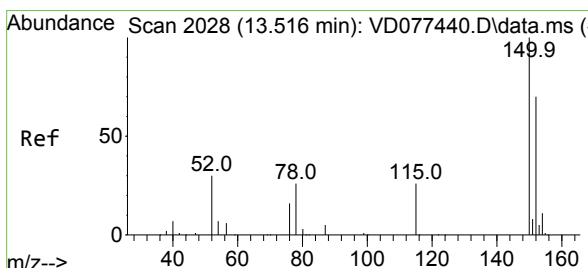
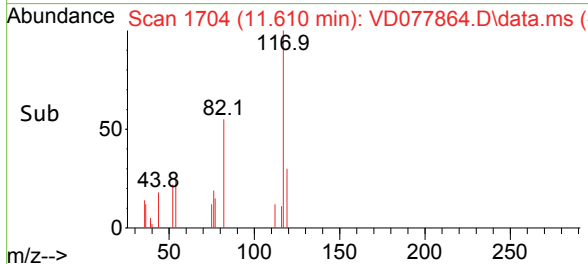
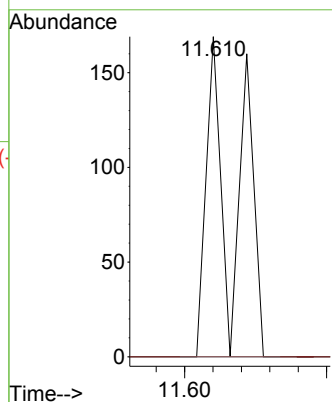
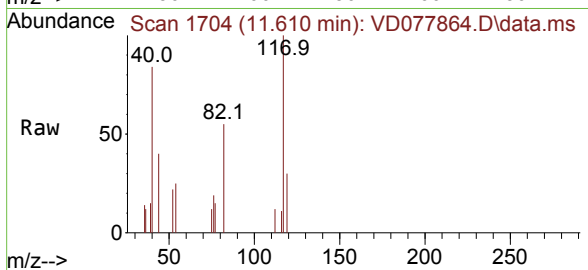




#65
Chlorobenzene
Concen: Below Cal
RT: 11.610 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD077864.D
Acq: 13 Dec 2023 16:04

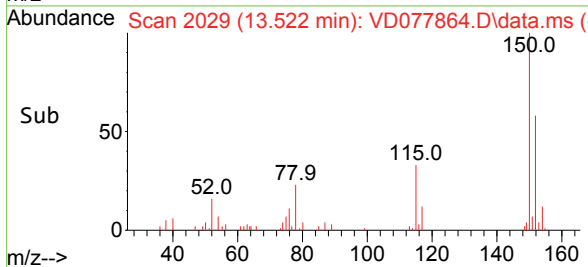
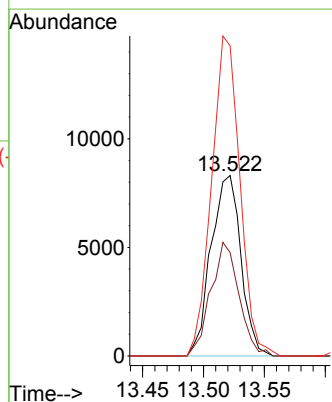
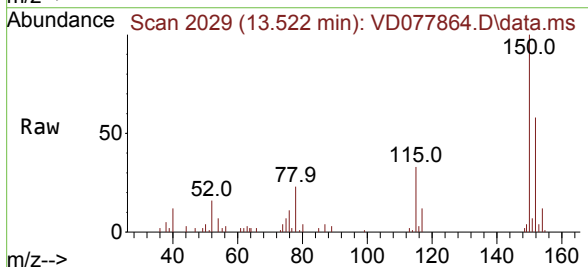
Instrument :
MSVOA_D
ClientSampleId :

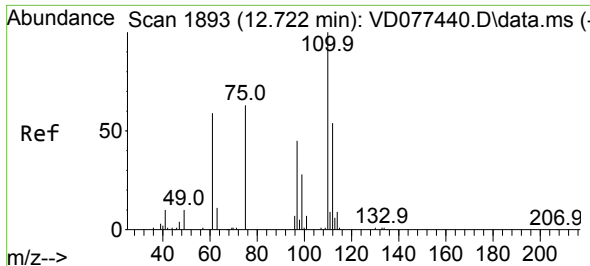
Tgt Ion:112 Resp: 116
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD077864.D
Acq: 13 Dec 2023 16:04

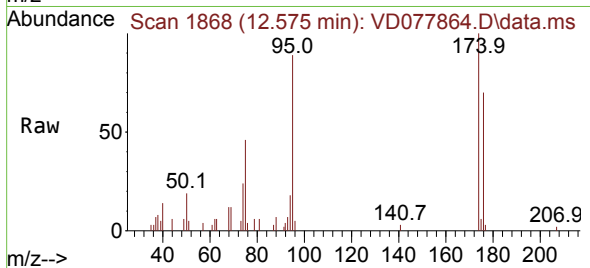
Tgt Ion:152 Resp: 14167
Ion Ratio Lower Upper
152 100
115 59.6 27.1 81.3
150 168.0 0.0 353.6



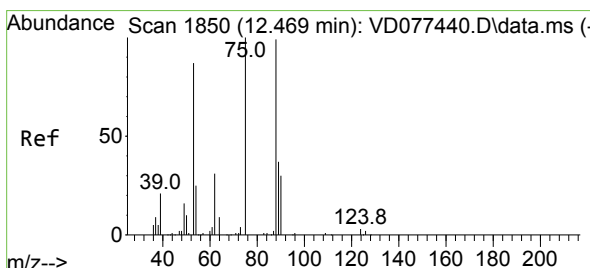
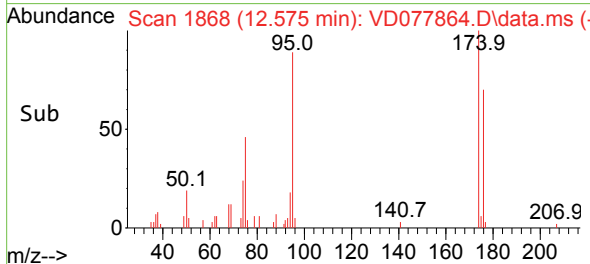
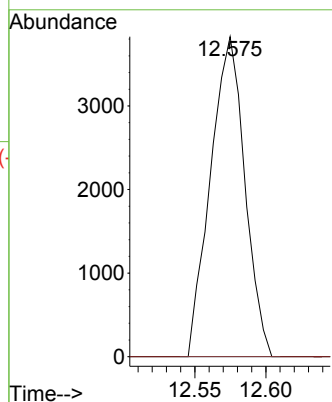


#76
1,2,3-Trichloropropane
Concen: 52.324 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077864.D
Acq: 13 Dec 2023 16:04

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 6438
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 106.012 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077864.D
Acq: 13 Dec 2023 16:04

Tgt Ion: 75 Resp: 6438
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

