

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121323\
 Data File : VD077865.D
 Acq On : 13 Dec 2023 16:31
 Operator : RP/MD
 Sample : 05718-01
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 14 01:54:18 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)

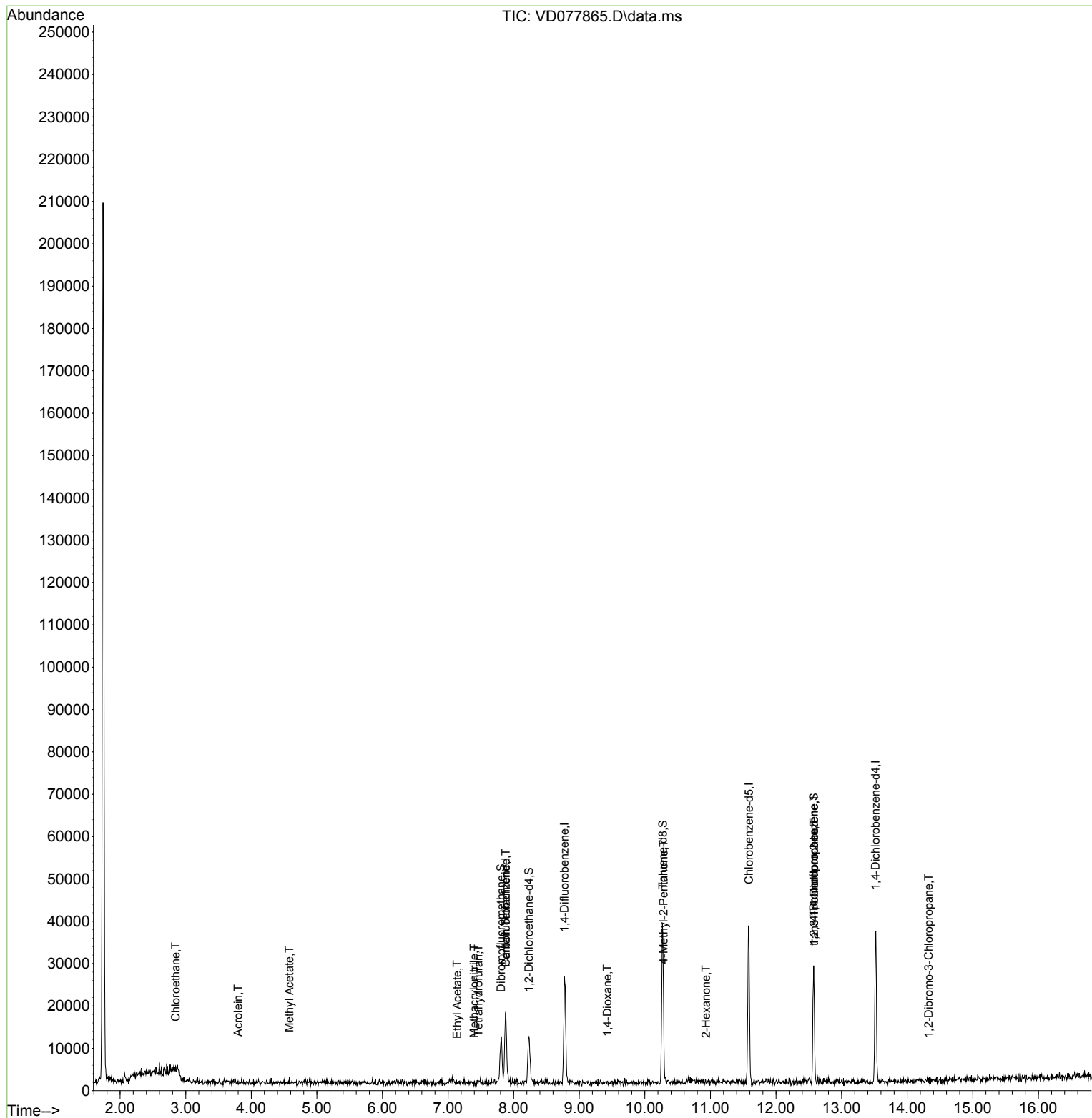
Internal Standards						
1) Pentafluorobenzene	7.881	168	12917	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	21837	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	22162	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	9558	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	8189	53.801	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.600%
35) Dibromofluoromethane	7.810	113	8033	52.517	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.040%
50) Toluene-d8	10.275	98	27182	44.369	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.740%
62) 4-Bromofluorobenzene	12.575	95	7867	42.951	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.900%
Target Compounds						
						Qvalue
6) Chloroethane	2.846	64	2019	9.918	ug/l #	84
13) Acrolein	3.799	56	57	3.540	ug/l #	15
16) Acetone	3.969	43	57	Below Cal	#	32
18) Methyl Acetate	4.581	43	122	1.018	ug/l #	42
20) Methylene Chloride	4.810	84	74	Below Cal	#	17
25) 2-Butanone	7.075	43	82	Below Cal	#	37
29) Tetrahydrofuran	7.463	42	67	2.764	ug/l #	23
37) Ethyl Acetate	7.140	43	144	1.509	ug/l #	62
38) Carbon Tetrachloride	7.881	117	1214	4.977	ug/l #	11
41) Methacrylonitrile	7.399	41	61	1.258	ug/l #	1
49) 1,4-Dioxane	9.428	88	65	73.287	ug/l #	14
51) 4-Methyl-2-Pentanone	10.287	43	122	1.410	ug/l	98
59) 2-Hexanone	10.934	43	121	1.685	ug/l	75
65) Chlorobenzene	11.592	112	70	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.581	75	4290	51.679	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.581	75	4290	104.706	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.328	75	55	2.066	ug/l #	1

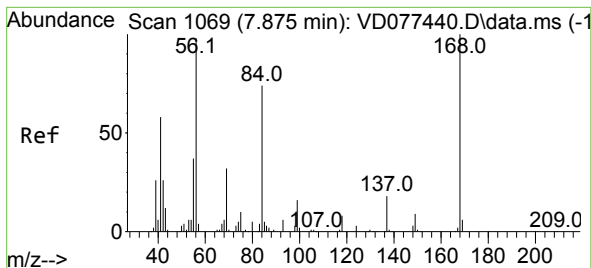
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 14 01:54:18 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD077865.D

Acq: 13 Dec 2023 16:31

Instrument :

MSVOA_D

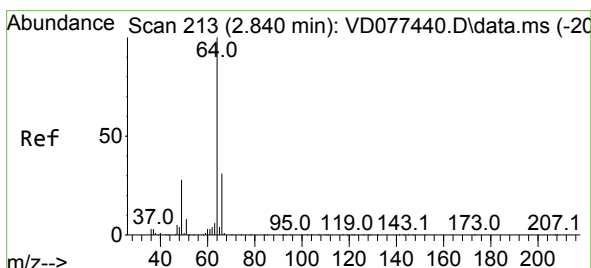
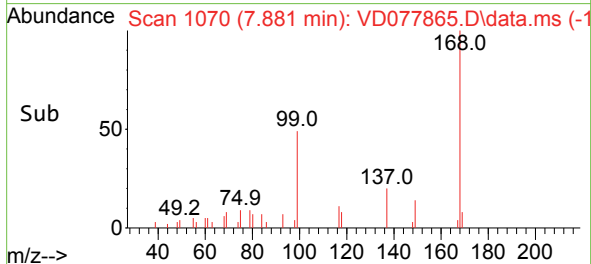
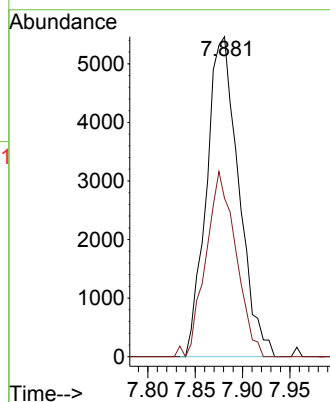
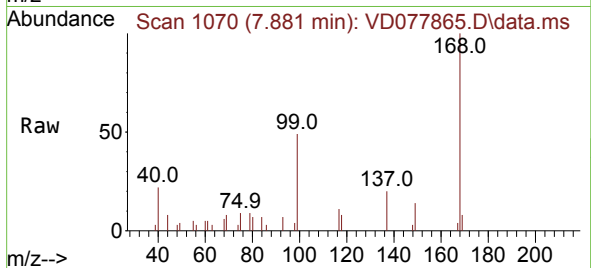
ClientSampleId :

Tgt Ion:168 Resp: 12917

Ion Ratio Lower Upper

168 100

99 49.5 36.7 55.1



#6

Chloroethane

Concen: 9.918 ug/l

RT: 2.846 min Scan# 214

Delta R.T. 0.006 min

Lab File: VD077865.D

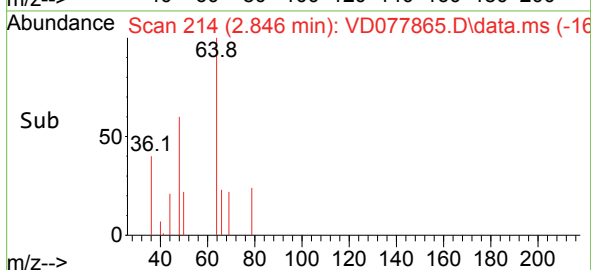
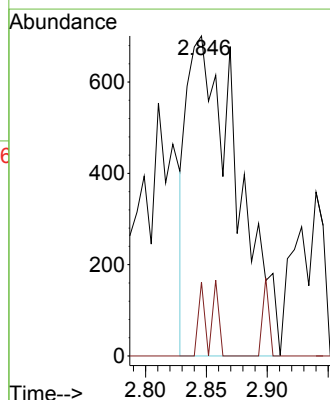
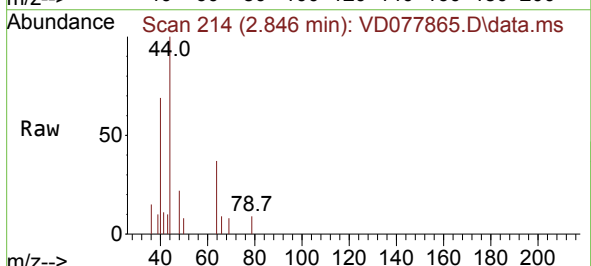
Acq: 13 Dec 2023 16:31

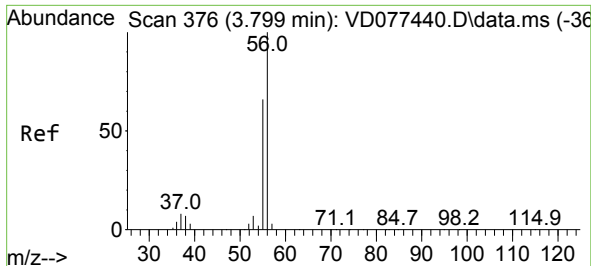
Tgt Ion: 64 Resp: 2019

Ion Ratio Lower Upper

64 100

66 23.1 25.5 38.3#

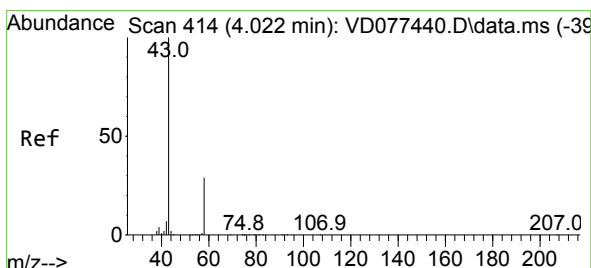
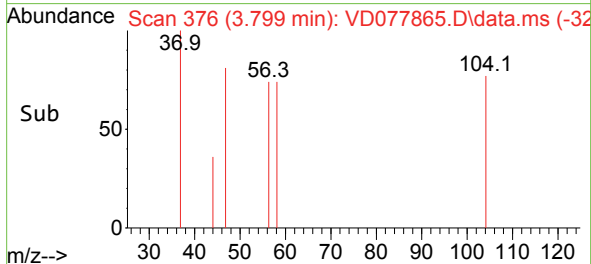
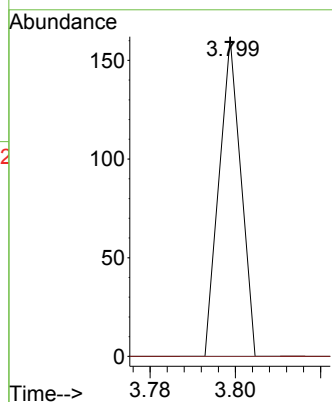
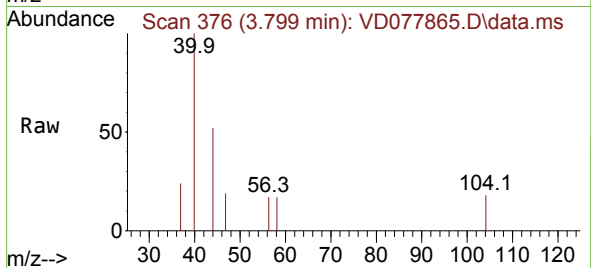




#13
Acrolein
Concen: 3.540 ug/l
RT: 3.799 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD077865.D
Acq: 13 Dec 2023 16:31

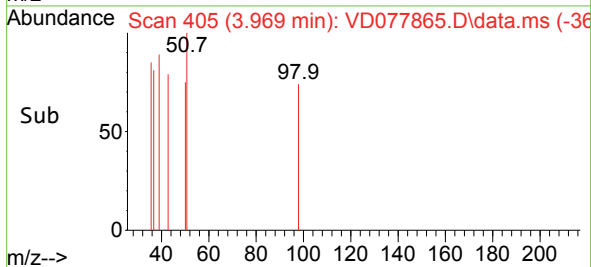
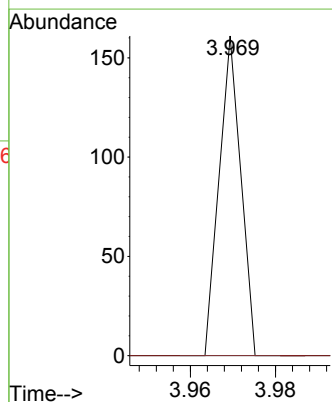
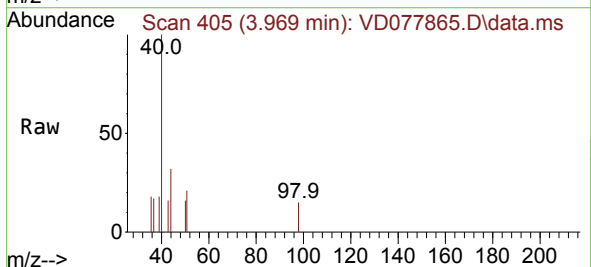
Instrument :
MSVOA_D
ClientSampleId :

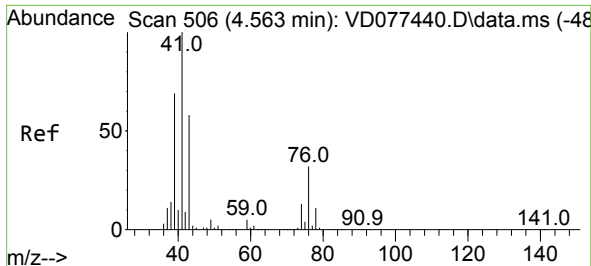
Tgt Ion: 56 Resp: 57
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#



#16
Acetone
Concen: Below Cal
RT: 3.969 min Scan# 405
Delta R.T. -0.053 min
Lab File: VD077865.D
Acq: 13 Dec 2023 16:31

Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#





#18

Methyl Acetate

Concen: 1.018 ug/l

RT: 4.581 min Scan# 509

Delta R.T. 0.018 min

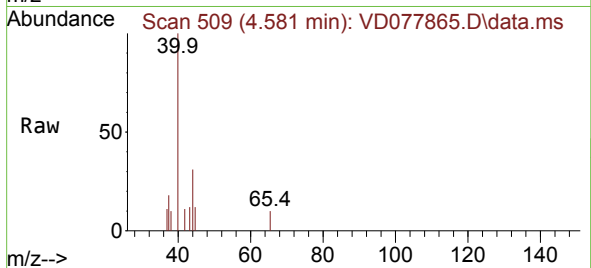
Lab File: VD077865.D

Acq: 13 Dec 2023 16:31

Instrument :

MSVOA_D

ClientSampleId :

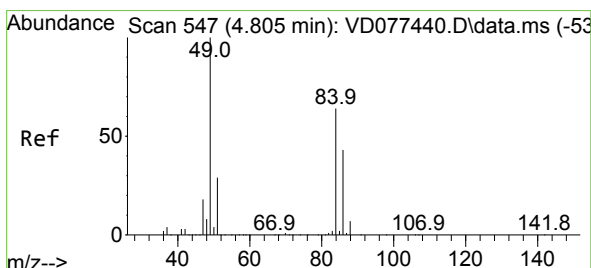
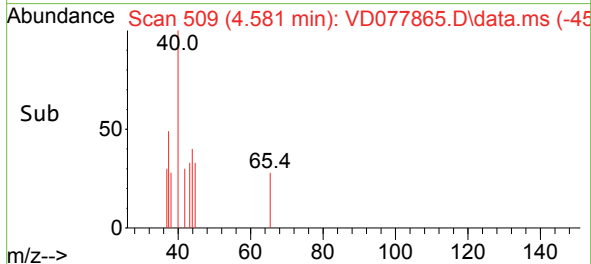
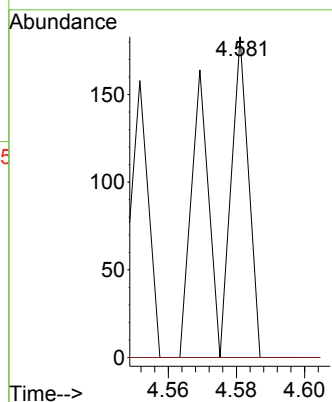


Tgt Ion: 43 Resp: 122

Ion Ratio Lower Upper

43 100

74 0.0 26.4 39.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.810 min Scan# 548

Delta R.T. 0.005 min

Lab File: VD077865.D

Acq: 13 Dec 2023 16:31

Tgt Ion: 84 Resp: 74

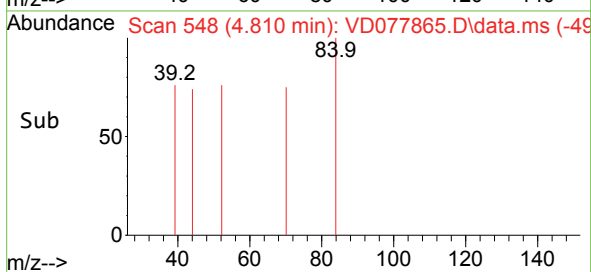
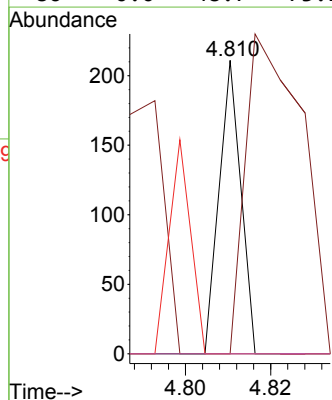
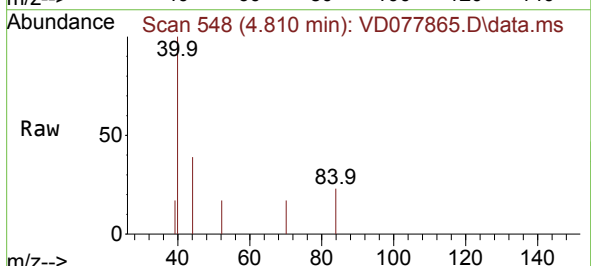
Ion Ratio Lower Upper

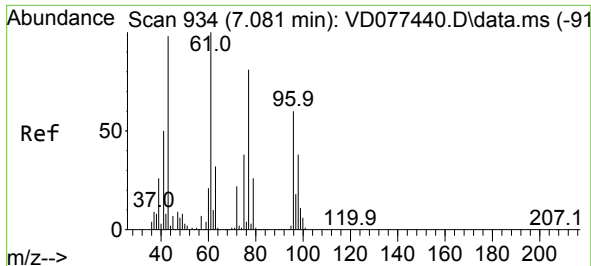
84 100

49 0.0 71.4 107.2#

51 0.0 24.5 36.7#

86 0.0 48.7 73.1#





#25

2-Butanone

Concen: Below Cal

RT: 7.075 min Scan# 91

Delta R.T. -0.006 min

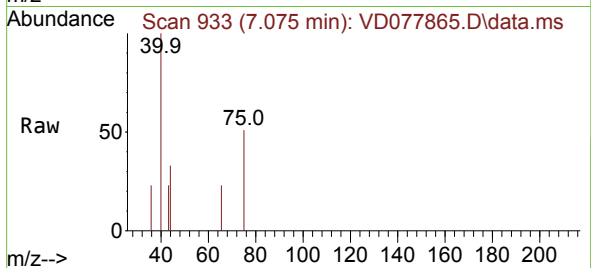
Lab File: VD077865.D

Acq: 13 Dec 2023 16:31

Instrument :

MSVOA_D

ClientSampleId :

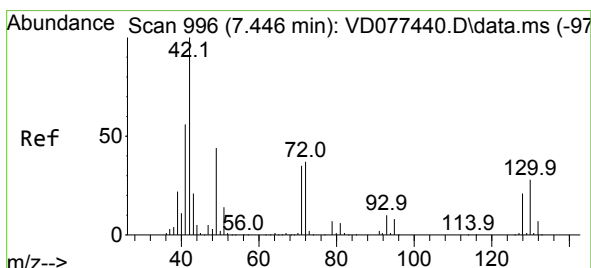
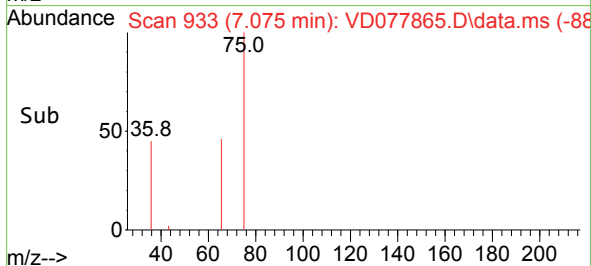
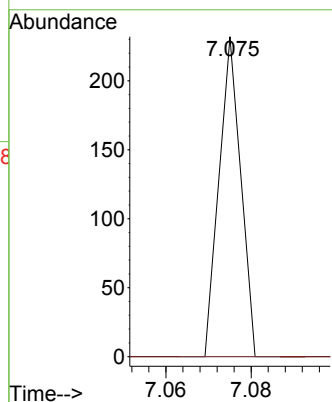


Tgt Ion: 43 Resp: 82

Ion Ratio Lower Upper

43 100

72 0.0 30.7 46.1#



#29

Tetrahydrofuran

Concen: 2.764 ug/l

RT: 7.463 min Scan# 999

Delta R.T. 0.017 min

Lab File: VD077865.D

Acq: 13 Dec 2023 16:31

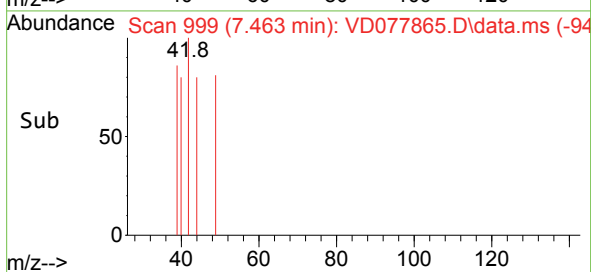
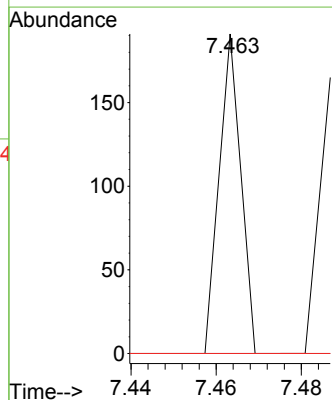
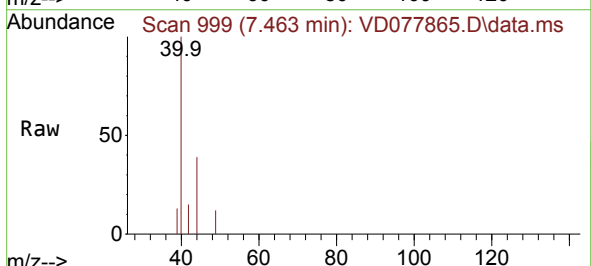
Tgt Ion: 42 Resp: 67

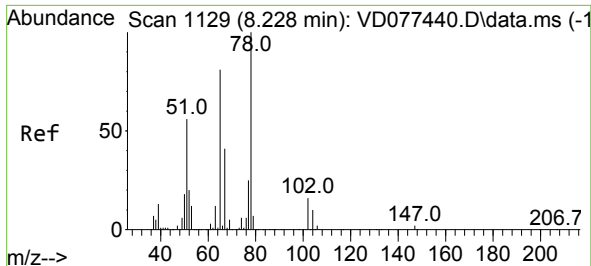
Ion Ratio Lower Upper

42 100

72 0.0 46.5 69.7#

71 0.0 44.5 66.7#





#33

1,2-Dichloroethane-d4

Concen: 53.801 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

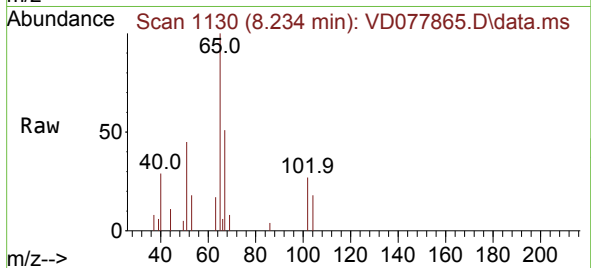
Lab File: VD077865.D

Acq: 13 Dec 2023 16:31

Instrument :

MSVOA_D

ClientSampleId :

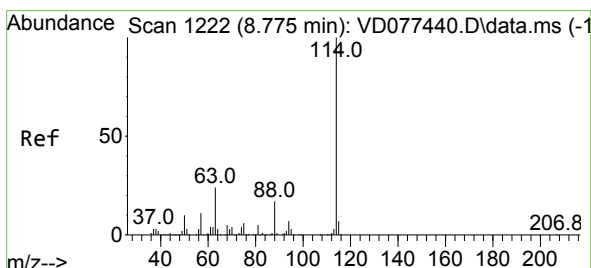
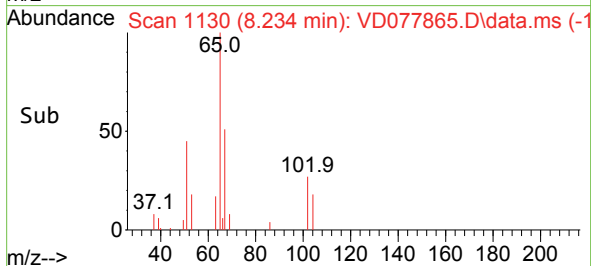
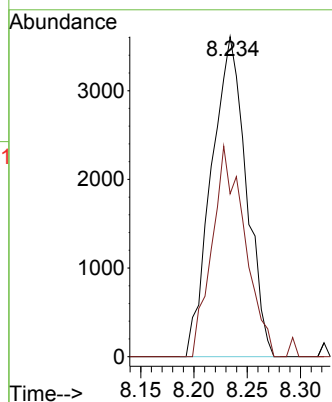


Tgt Ion: 65 Resp: 8189

Ion Ratio Lower Upper

65 100

67 62.0 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD077865.D

Acq: 13 Dec 2023 16:31

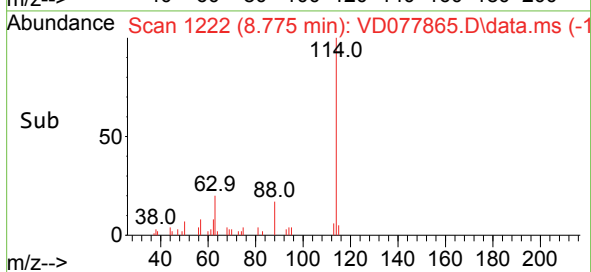
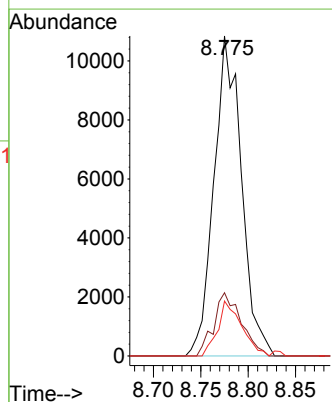
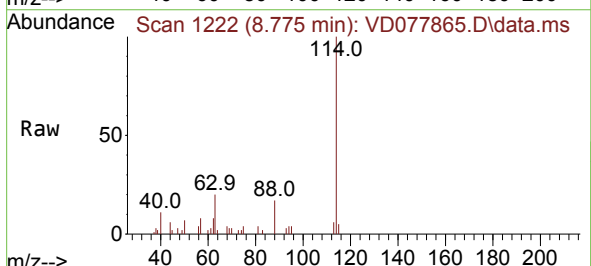
Tgt Ion: 114 Resp: 21837

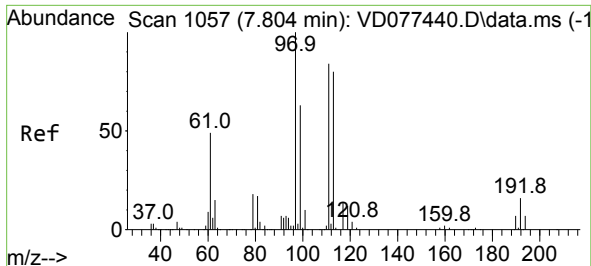
Ion Ratio Lower Upper

114 100

63 19.8 0.0 33.4

88 17.2 0.0 26.2





#35

Dibromofluoromethane

Concen: 52.517 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

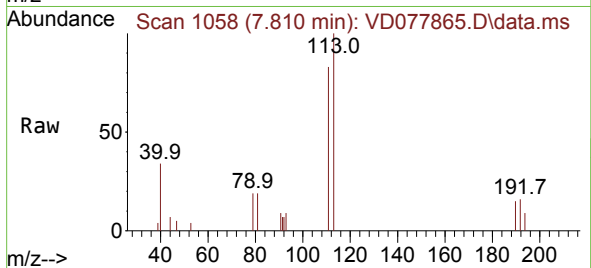
Lab File: VD077865.D

Acq: 13 Dec 2023 16:31

Instrument :

MSVOA_D

ClientSampleId :



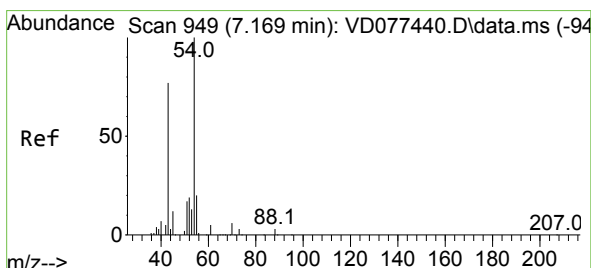
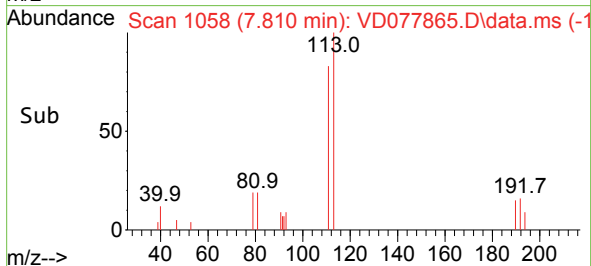
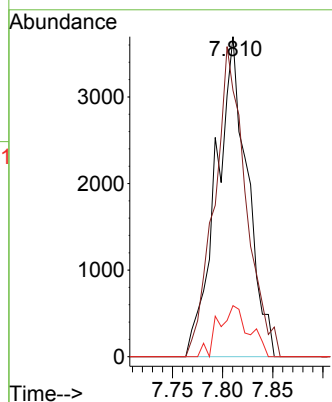
Tgt Ion:113 Resp: 8033

Ion Ratio Lower Upper

113 100

111 97.4 84.7 127.1

192 15.6 16.8 25.2#



#37

Ethyl Acetate

Concen: 1.509 ug/l

RT: 7.140 min Scan# 944

Delta R.T. -0.029 min

Lab File: VD077865.D

Acq: 13 Dec 2023 16:31

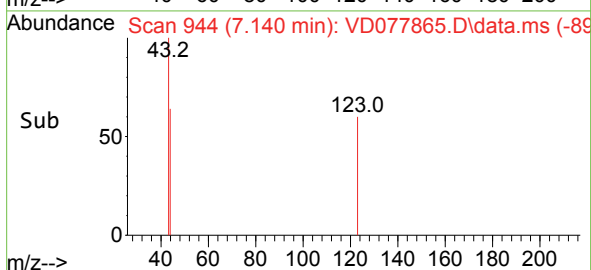
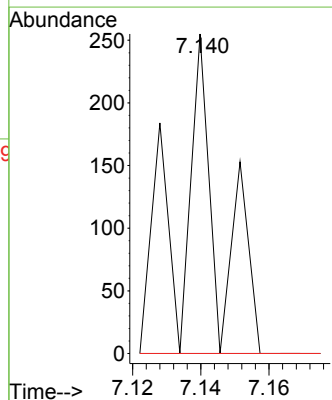
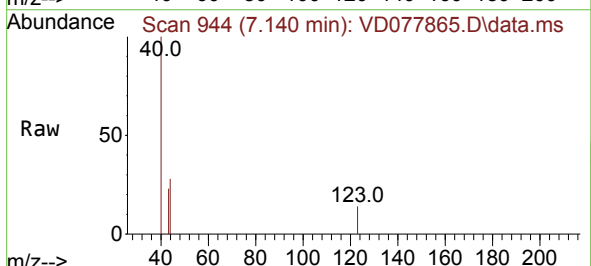
Tgt Ion: 43 Resp: 144

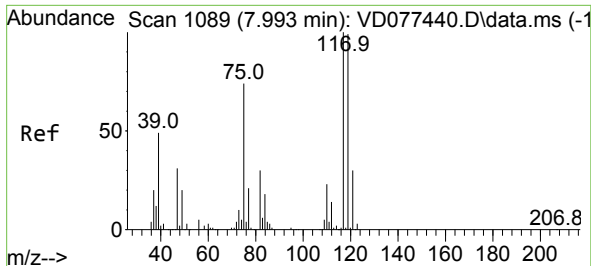
Ion Ratio Lower Upper

43 100

61 0.0 14.9 22.3#

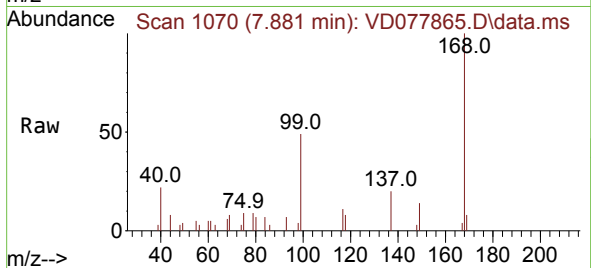
70 0.0 10.0 15.0#



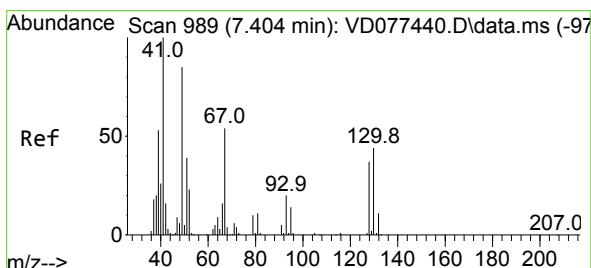
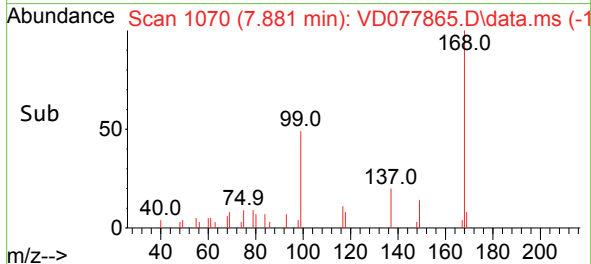
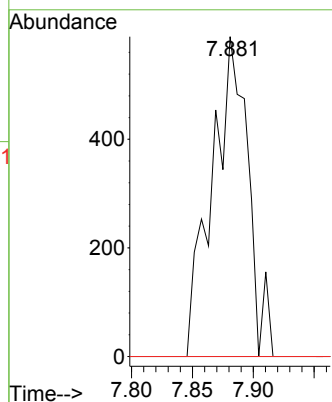


#38
Carbon Tetrachloride
Concen: 4.977 ug/l
RT: 7.881 min Scan# 1089
Delta R.T. -0.112 min
Lab File: VD077865.D
Acq: 13 Dec 2023 16:31

Instrument :
MSVOA_D
ClientSampleId :

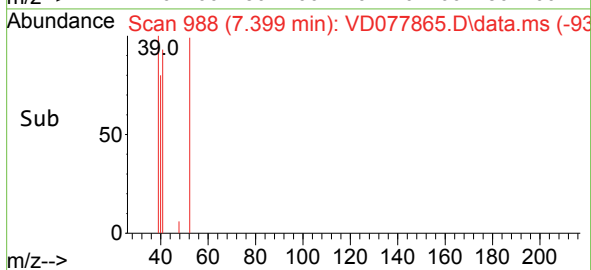
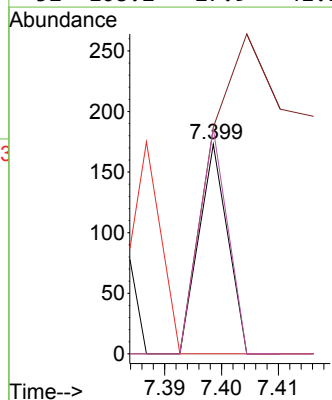
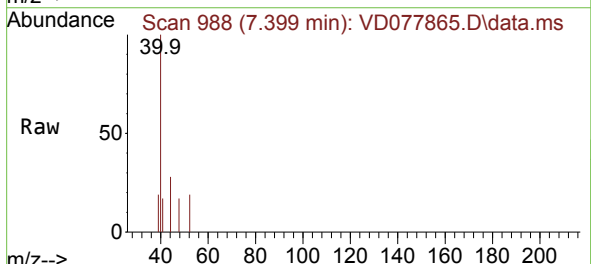


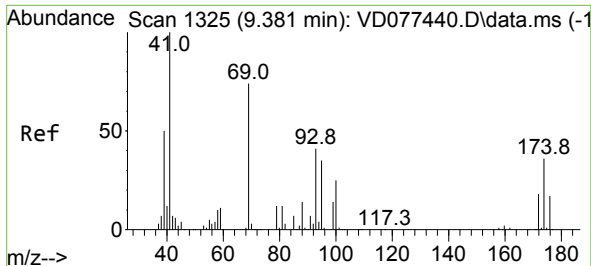
Tgt Ion:117 Resp: 1214
Ion Ratio Lower Upper
117 100
119 0.0 78.0 117.0#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 1.258 ug/l
RT: 7.399 min Scan# 988
Delta R.T. -0.005 min
Lab File: VD077865.D
Acq: 13 Dec 2023 16:31

Tgt Ion: 41 Resp: 61
Ion Ratio Lower Upper
41 100
39 491.8 34.0 51.0#
67 0.0 77.0 115.4#
52 108.2 27.9 41.9#





#49

1,4-Dioxane

Concen: 73.287 ug/l

RT: 9.428 min Scan# 11

Delta R.T. 0.047 min

Lab File: VD077865.D

Acq: 13 Dec 2023 16:31

Instrument :

MSVOA_D

ClientSampleId :

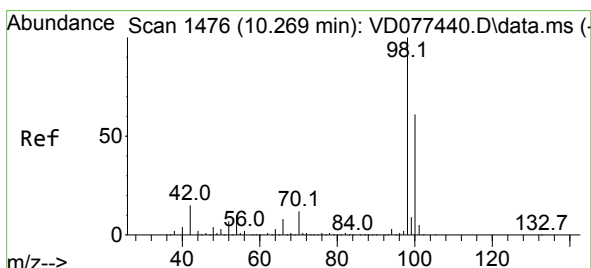
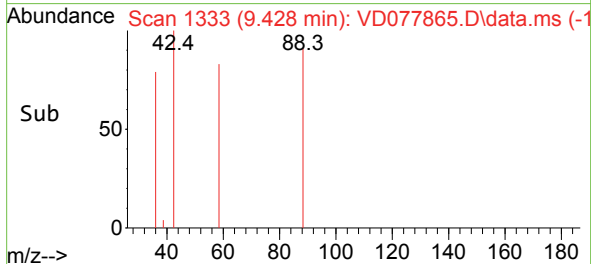
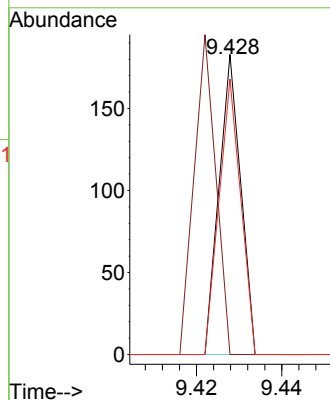
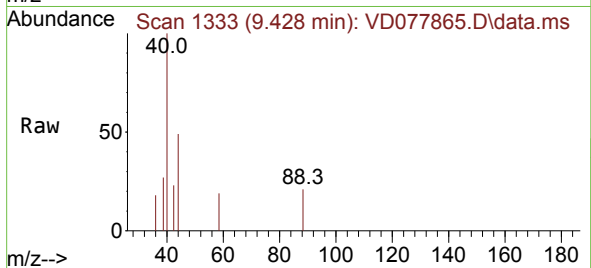
Tgt Ion: 88 Resp: 65

Ion Ratio Lower Upper

88 100

43 106.2 19.0 28.6#

58 90.8 43.5 65.3#



#50

Toluene-d8

Concen: 44.369 ug/l

RT: 10.275 min Scan# 1477

Delta R.T. 0.006 min

Lab File: VD077865.D

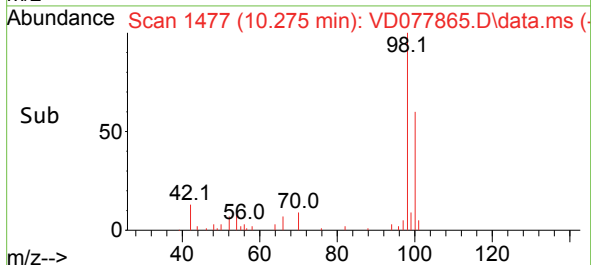
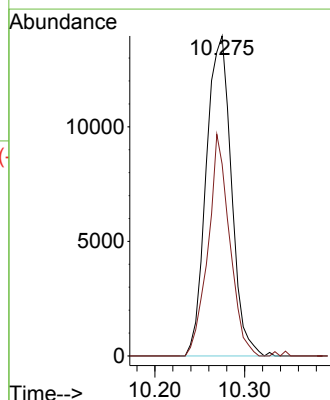
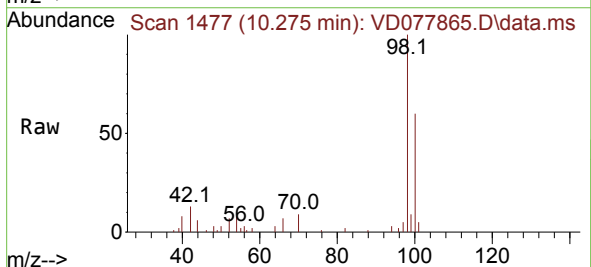
Acq: 13 Dec 2023 16:31

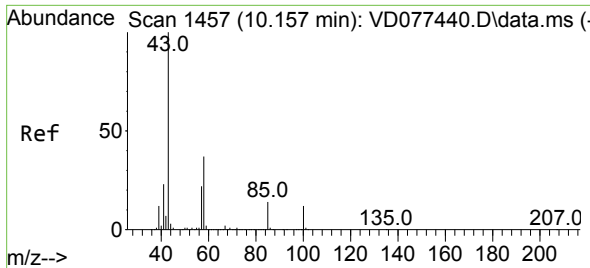
Tgt Ion: 98 Resp: 27182

Ion Ratio Lower Upper

98 100

100 59.3 50.3 75.5

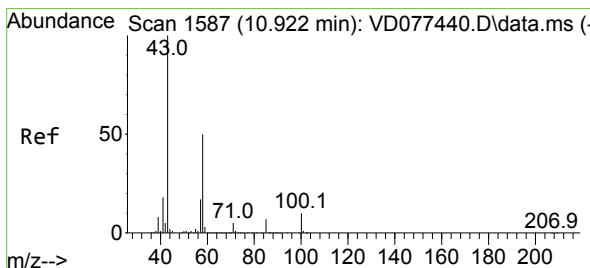
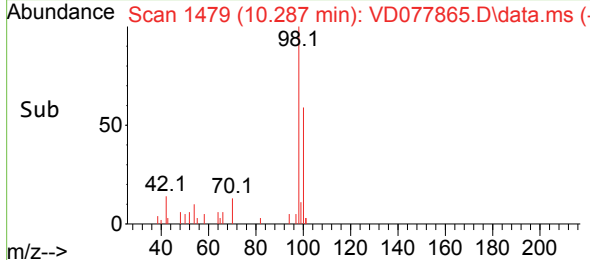
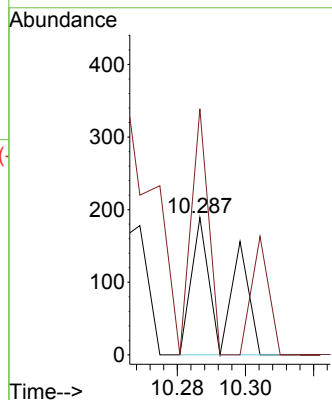
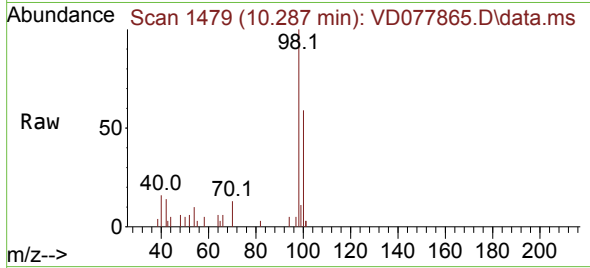




#51
4-Methyl-2-Pentanone
Concen: 1.410 ug/l
RT: 10.287 min Scan# 1457
Delta R.T. 0.130 min
Lab File: VD077865.D
Acq: 13 Dec 2023 16:31

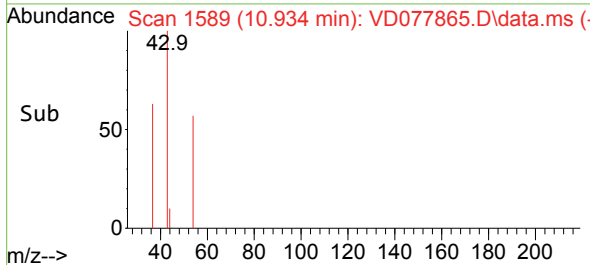
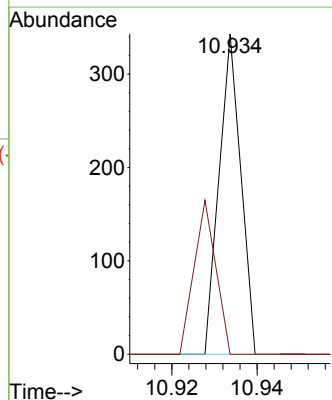
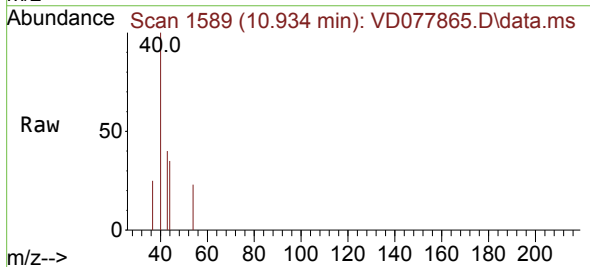
Instrument :
MSVOA_D
ClientSampleId :

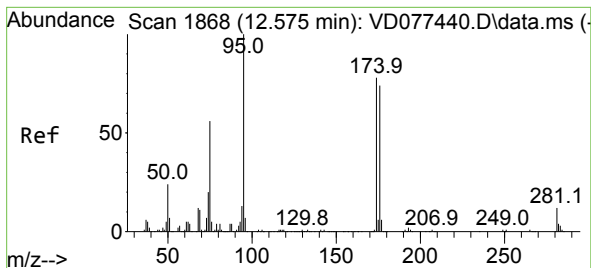
Tgt Ion: 43 Resp: 122
Ion Ratio Lower Upper
43 100
58 47.5 38.9 58.3



#59
2-Hexanone
Concen: 1.685 ug/l
RT: 10.934 min Scan# 1589
Delta R.T. 0.012 min
Lab File: VD077865.D
Acq: 13 Dec 2023 16:31

Tgt Ion: 43 Resp: 121
Ion Ratio Lower Upper
43 100
58 47.9 34.1 102.2

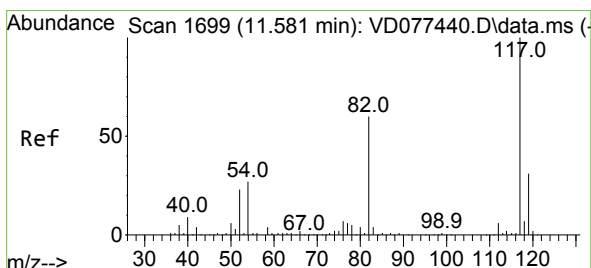
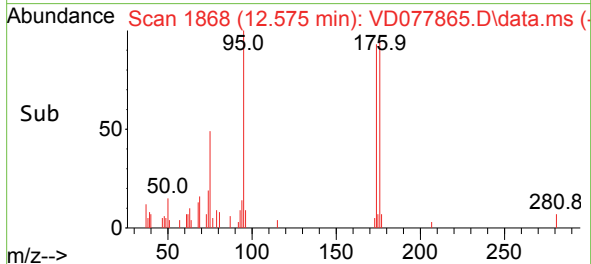
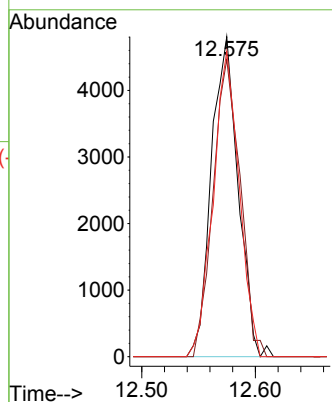
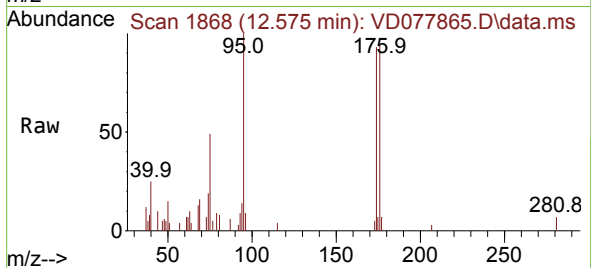




#62
4-Bromofluorobenzene
Concen: 42.951 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077865.D
Acq: 13 Dec 2023 16:31

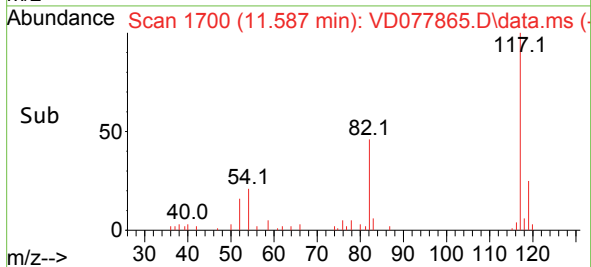
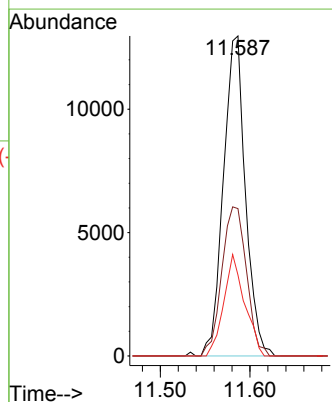
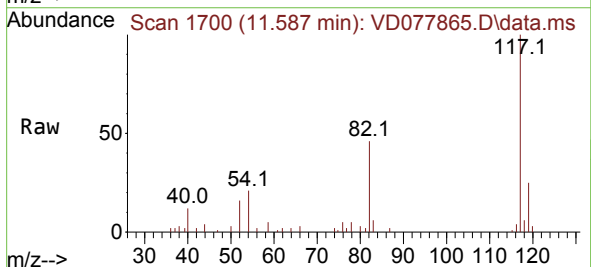
Instrument :
MSVOA_D
ClientSampleId :

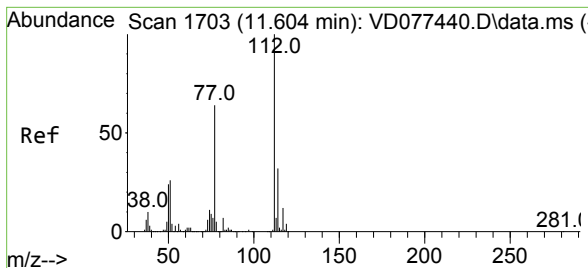
Tgt Ion: 95 Resp: 7867
Ion Ratio Lower Upper
95 100
174 93.9 0.0 201.8
176 92.9 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VD077865.D
Acq: 13 Dec 2023 16:31

Tgt Ion: 117 Resp: 22162
Ion Ratio Lower Upper
117 100
82 46.1 38.3 57.5
119 25.3 25.0 37.4

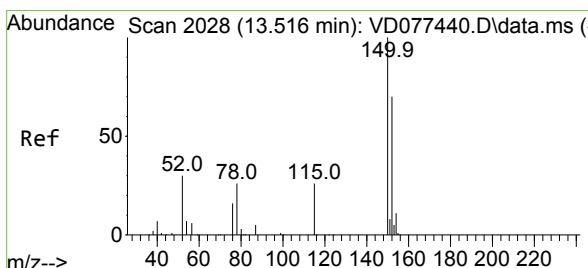
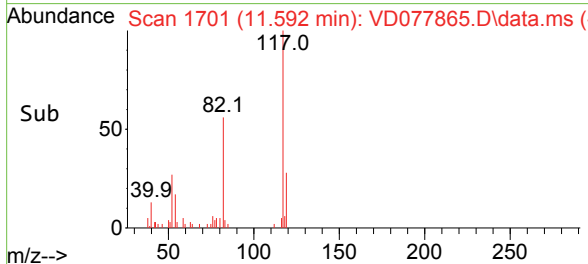
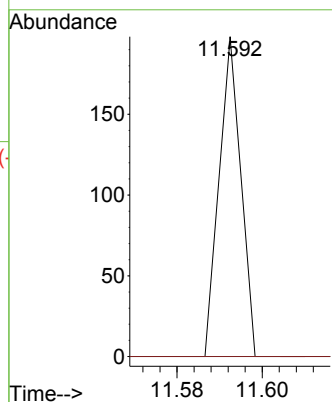
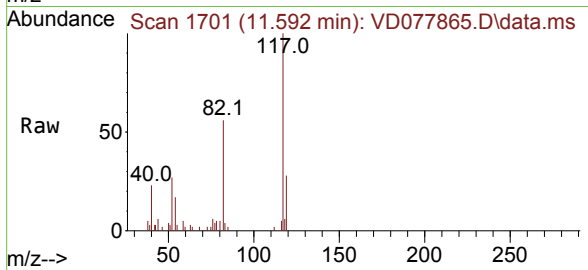




#65
Chlorobenzene
Concen: Below Cal
RT: 11.592 min Scan# 11
Delta R.T. -0.012 min
Lab File: VD077865.D
Acq: 13 Dec 2023 16:31

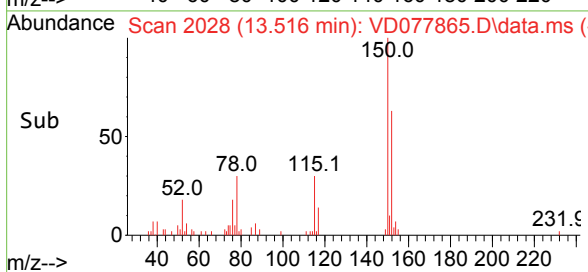
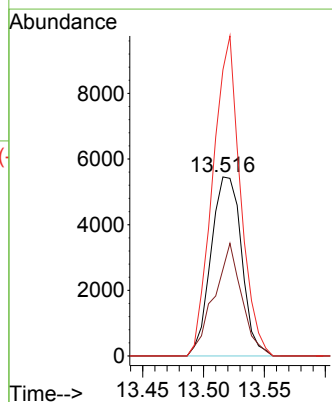
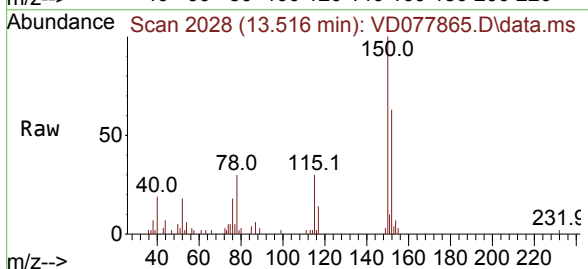
Instrument :
MSVOA_D
ClientSampleId :

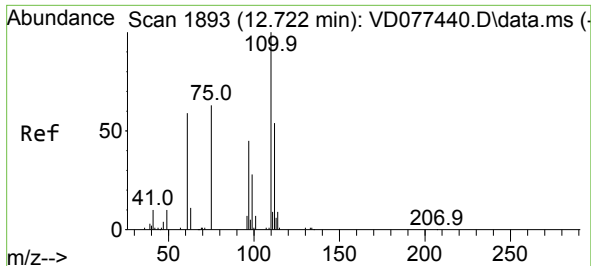
Tgt Ion:112 Resp: 70
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD077865.D
Acq: 13 Dec 2023 16:31

Tgt Ion:152 Resp: 9558
Ion Ratio Lower Upper
152 100
115 57.0 27.1 81.3
150 161.4 0.0 353.6

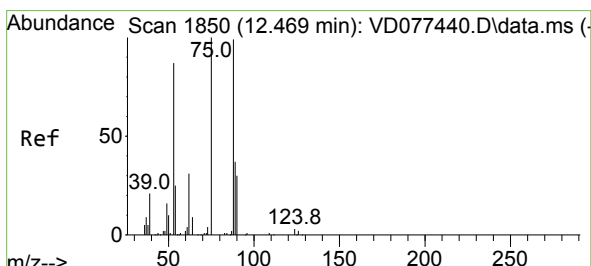
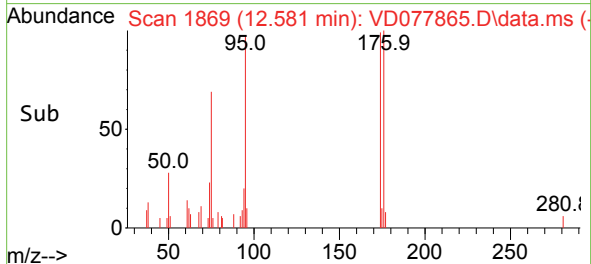
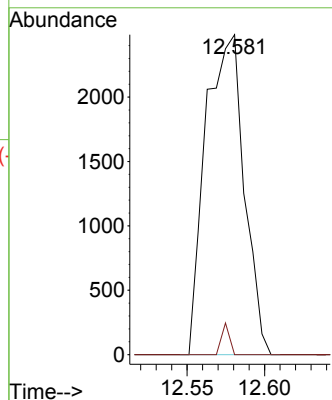
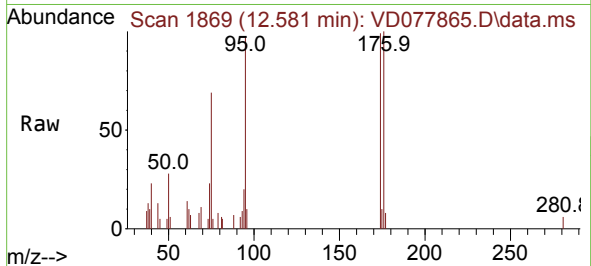




#76
1,2,3-Trichloropropane
Concen: 51.679 ug/l
RT: 12.581 min Scan# 1869
Delta R.T. -0.141 min
Lab File: VD077865.D
Acq: 13 Dec 2023 16:31

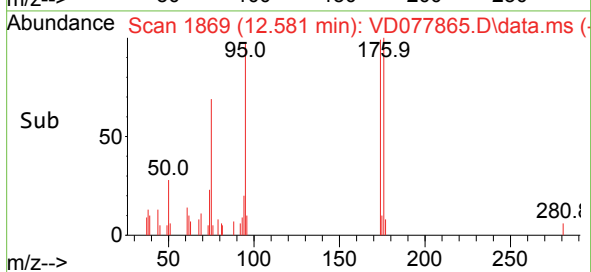
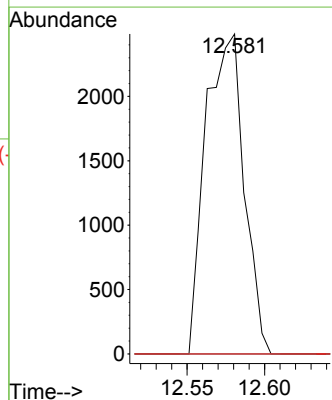
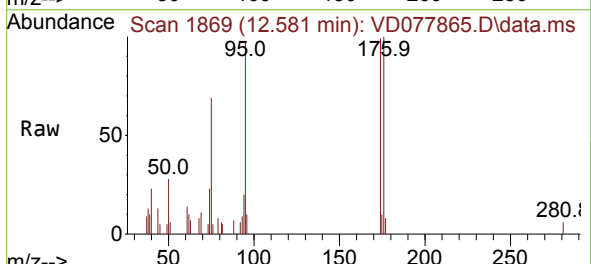
Instrument :
MSVOA_D
ClientSampleId :

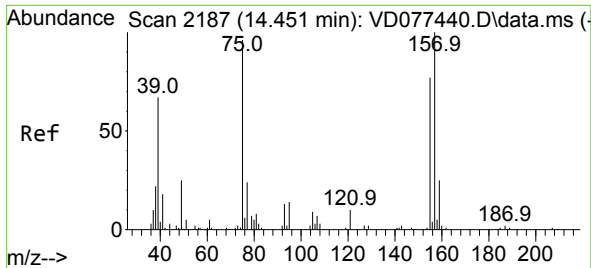
Tgt Ion: 75 Resp: 4290
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.706 ug/l
RT: 12.581 min Scan# 1869
Delta R.T. 0.112 min
Lab File: VD077865.D
Acq: 13 Dec 2023 16:31

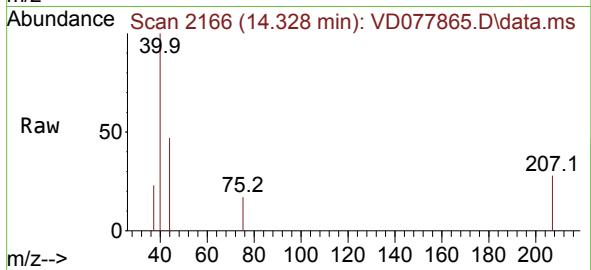
Tgt Ion: 75 Resp: 4290
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.066 ug/l
 RT: 14.328 min Scan# 21
 Delta R.T. -0.123 min
 Lab File: VD077865.D
 Acq: 13 Dec 2023 16:31

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 55
 Ion Ratio Lower Upper
 75 100
 155 0.0 47.9 143.8#
 157 0.0 59.9 179.7#

