

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122023\
 Data File : VD078001.D
 Acq On : 20 Dec 2023 17:43
 Operator : RP/MD
 Sample : 05796-07
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 21 05:26:47 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

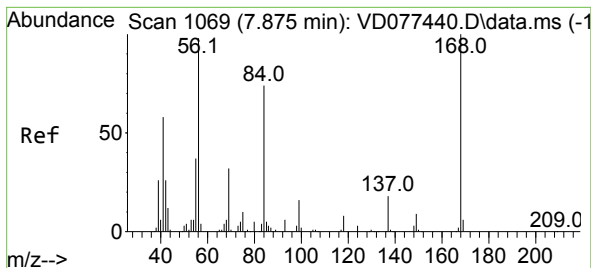
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.881	168	170434	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	309743	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	291744	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	130131	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	79210	39.441	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	78.880%
35) Dibromofluoromethane	7.804	113	91986	42.397	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.800%
50) Toluene-d8	10.269	98	386026	44.423	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.840%
62) 4-Bromofluorobenzene	12.575	95	110397	42.493	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.980%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.946	59	56	Below Cal	#	73
16) Acetone	4.028	43	2748	Below Cal		91
20) Methylene Chloride	4.816	84	5139	Below Cal		93
25) 2-Butanone	7.099	43	613	Below Cal	#	37
31) Cyclohexane	7.881	56	3991	1.117	ug/l #	28
36) 1,1-Dichloropropene	7.875	75	13168	3.794	ug/l #	47
38) Carbon Tetrachloride	7.881	117	17782	5.140	ug/l #	16
49) 1,4-Dioxane	9.493	88	55	4.372	ug/l #	1
65) Chlorobenzene	11.610	112	65	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	59137	52.325	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	59137	106.013	ug/l #	17
88) 1,4-Dichlorobenzene	13.534	146	58	Below Cal	#	1

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

Quant Time: Dec 21 05:26:47 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: VD078001.D

Acq: 20 Dec 2023 17:43

Instrument :

MSVOA_D

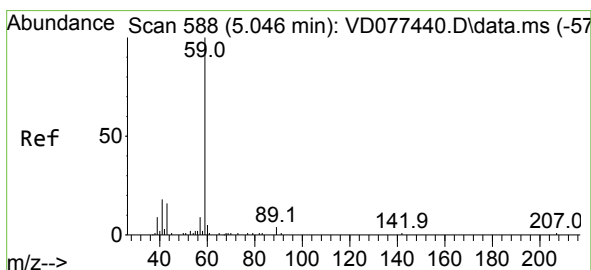
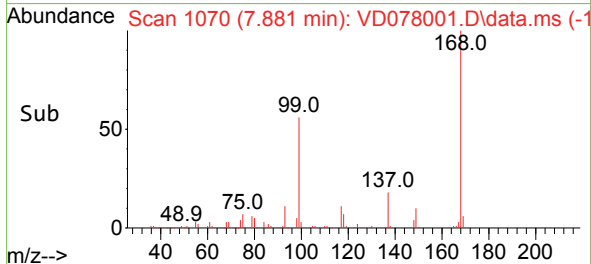
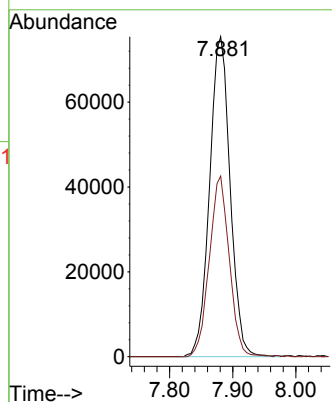
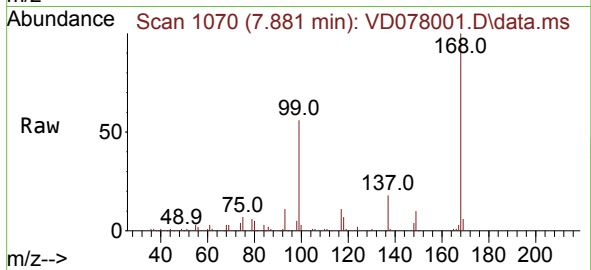
ClientSampleId :

Tgt Ion:168 Resp: 170434

Ion Ratio Lower Upper

168 100

99 56.4 36.7 55.1#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.946 min Scan# 571

Delta R.T. -0.100 min

Lab File: VD078001.D

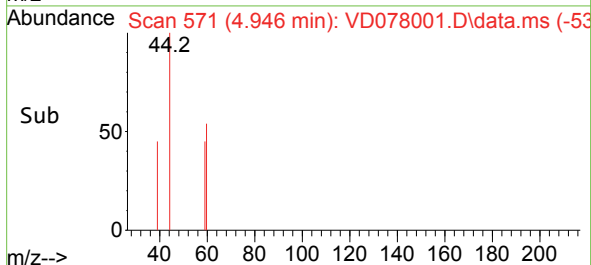
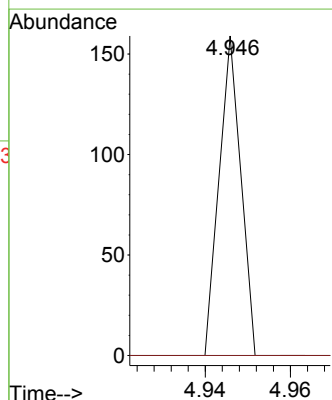
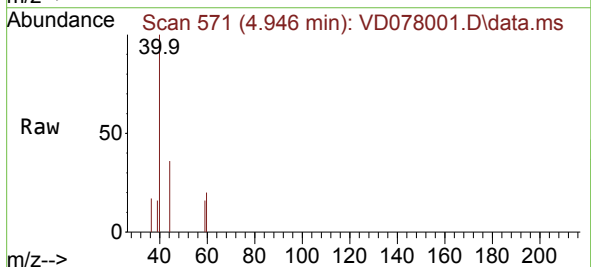
Acq: 20 Dec 2023 17:43

Tgt Ion: 59 Resp: 56

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

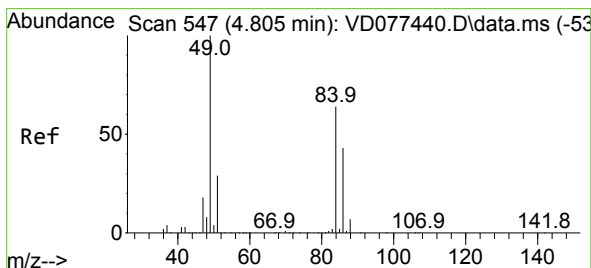
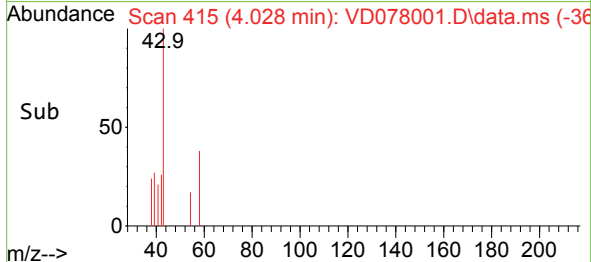
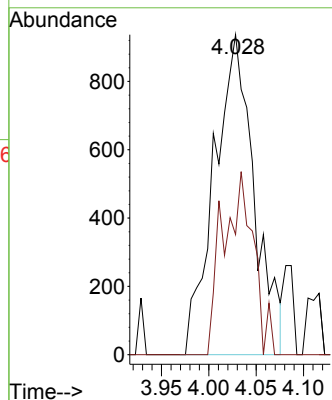
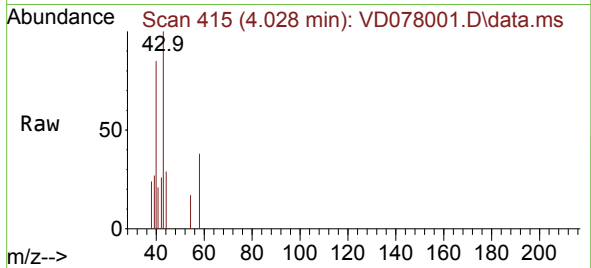




#16
Acetone
Concen: Below Cal
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD078001.D
Acq: 20 Dec 2023 17:43

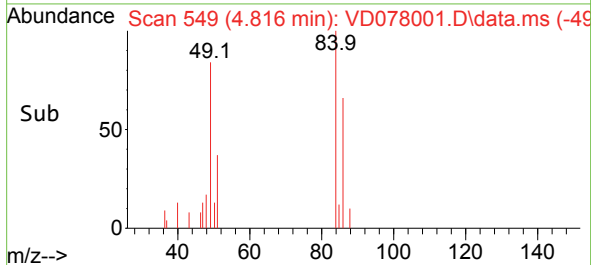
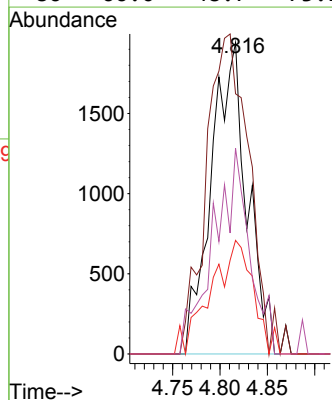
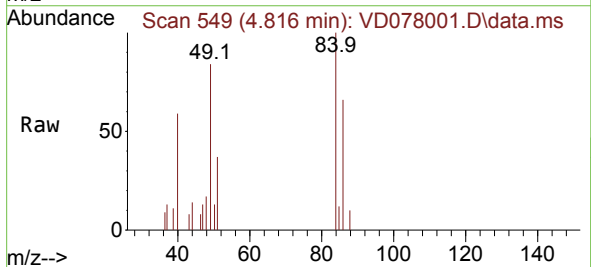
Instrument :
MSVOA_D
ClientSampleId :

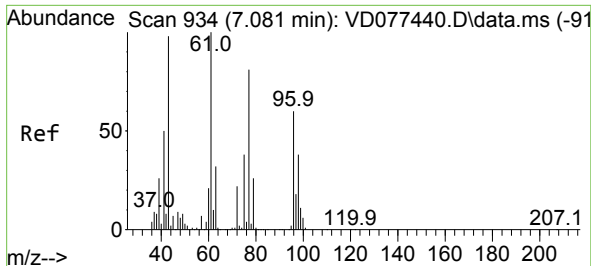
Tgt Ion: 43 Resp: 2748
Ion Ratio Lower Upper
43 100
58 37.6 34.7 52.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.816 min Scan# 549
Delta R.T. 0.011 min
Lab File: VD078001.D
Acq: 20 Dec 2023 17:43

Tgt Ion: 84 Resp: 5139
Ion Ratio Lower Upper
84 100
49 83.6 71.4 107.2
51 36.5 24.5 36.7
86 66.0 48.7 73.1

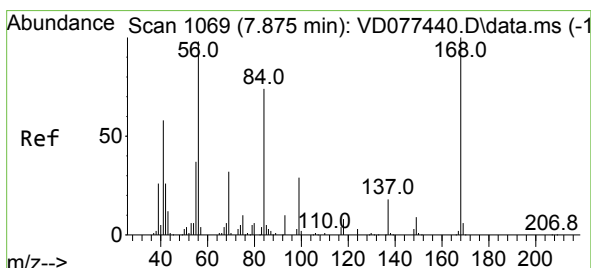
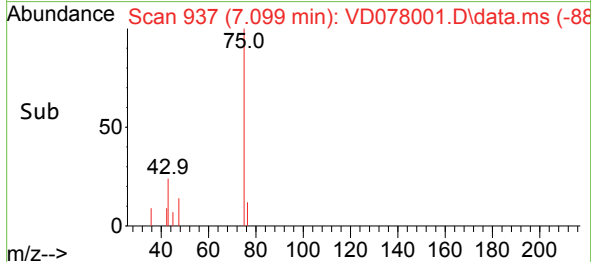
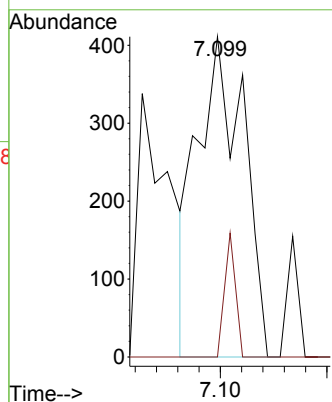
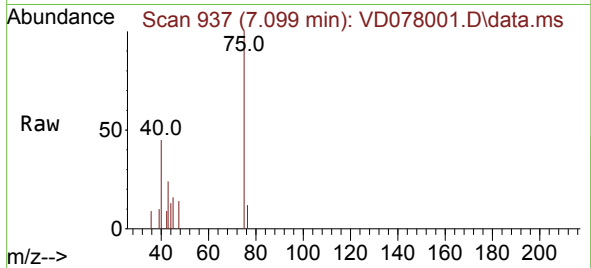




#25
2-Butanone
Concen: Below Cal
RT: 7.099 min Scan# 91
Delta R.T. 0.018 min
Lab File: VD078001.D
Acq: 20 Dec 2023 17:43

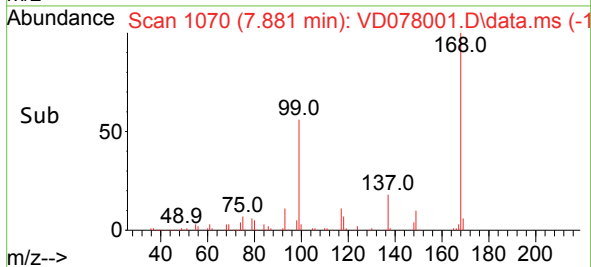
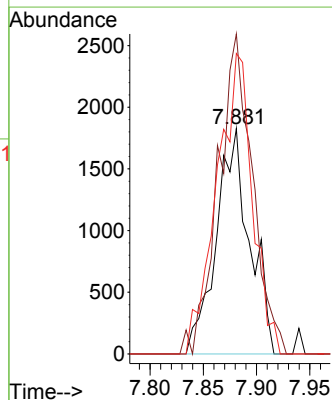
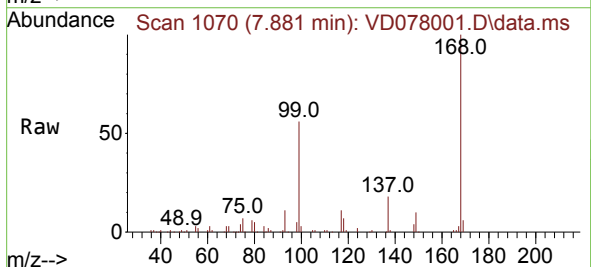
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 613
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.117 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD078001.D
Acq: 20 Dec 2023 17:43

Tgt Ion: 56 Resp: 3991
Ion Ratio Lower Upper
56 100
69 141.9 28.6 43.0#
84 141.9 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 39.441 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD078001.D

Acq: 20 Dec 2023 17:43

Instrument :

MSVOA_D

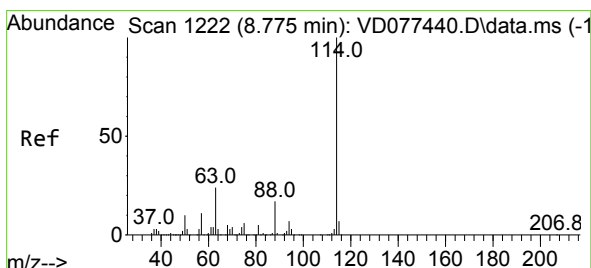
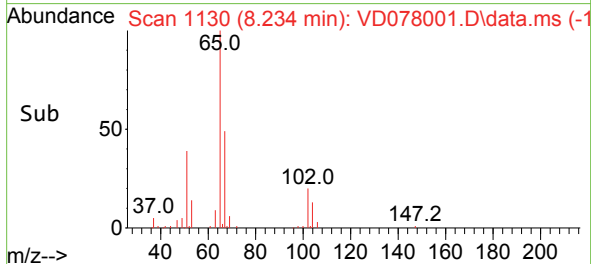
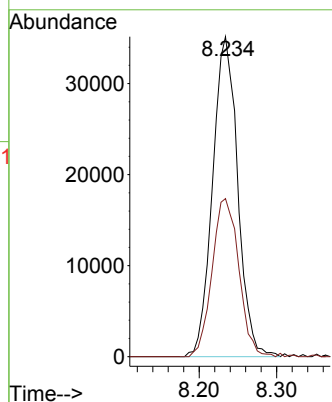
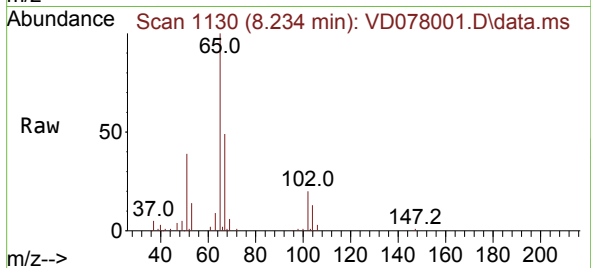
ClientSampleId :

Tgt Ion: 65 Resp: 79210

Ion Ratio Lower Upper

65 100

67 52.5 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: VD078001.D

Acq: 20 Dec 2023 17:43

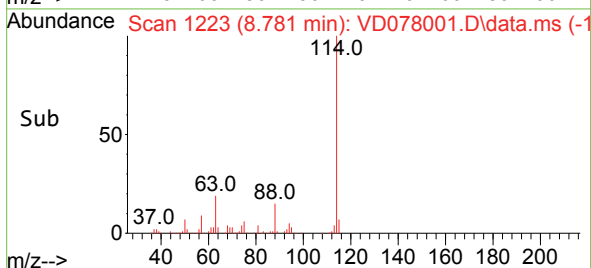
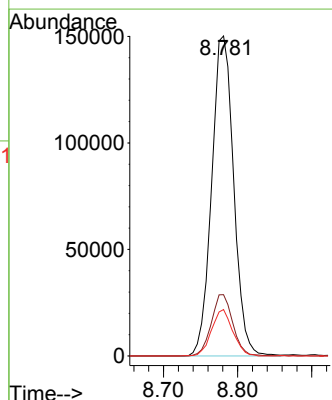
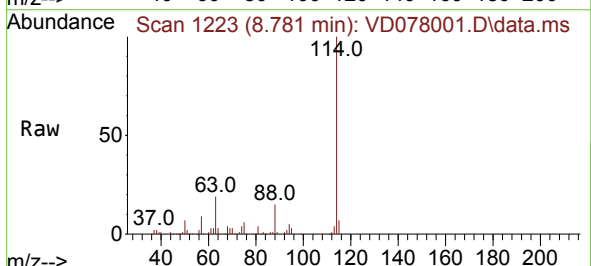
Tgt Ion: 114 Resp: 309743

Ion Ratio Lower Upper

114 100

63 19.2 0.0 33.4

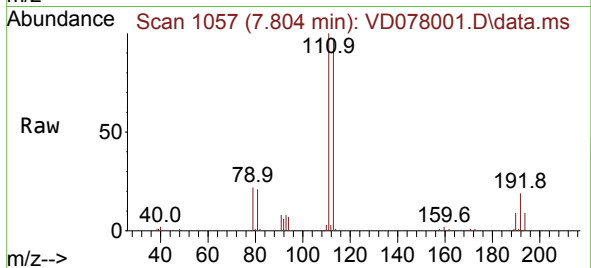
88 14.5 0.0 26.2



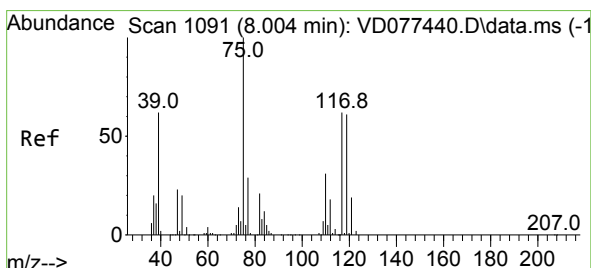
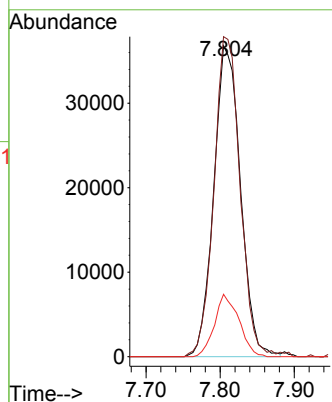
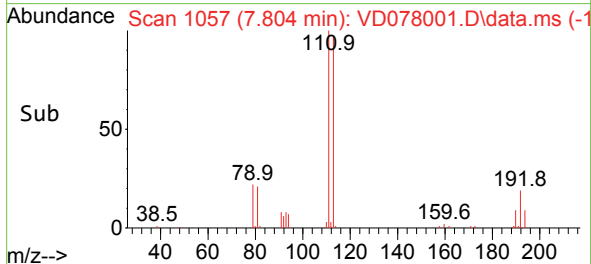


#35
Dibromofluoromethane
Concen: 42.397 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD078001.D
Acq: 20 Dec 2023 17:43

Instrument :
MSVOA_D
ClientSampleId :

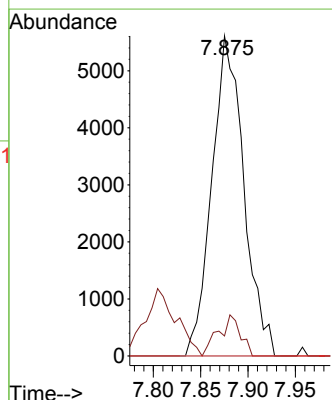
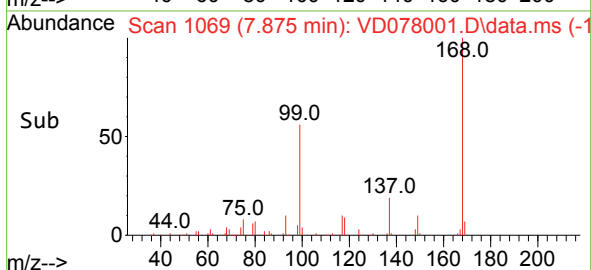
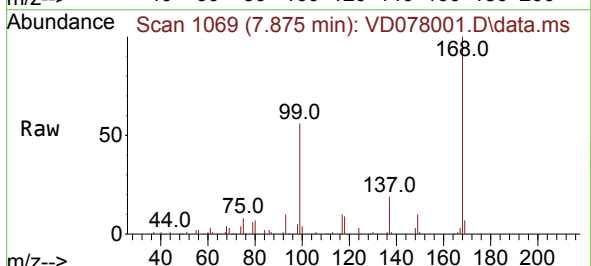


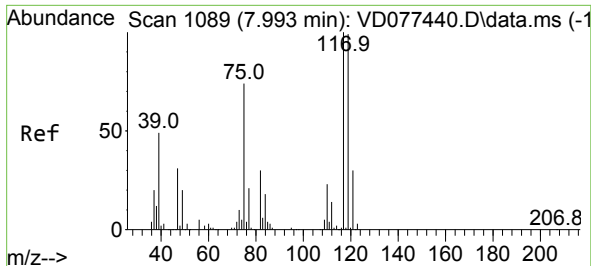
Tgt Ion:113 Resp: 91986
Ion Ratio Lower Upper
113 100
111 101.0 84.7 127.1
192 18.3 16.8 25.2



#36
1,1-Dichloropropene
Concen: 3.794 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD078001.D
Acq: 20 Dec 2023 17:43

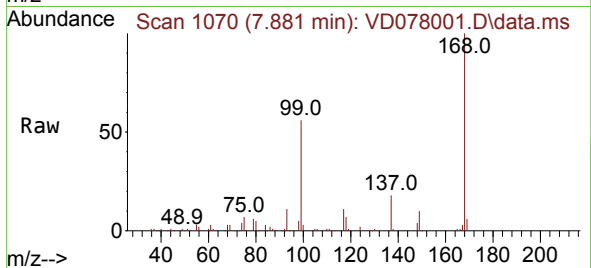
Tgt Ion: 75 Resp: 13168
Ion Ratio Lower Upper
75 100
110 8.8 19.9 59.6#
77 0.0 24.7 37.1#



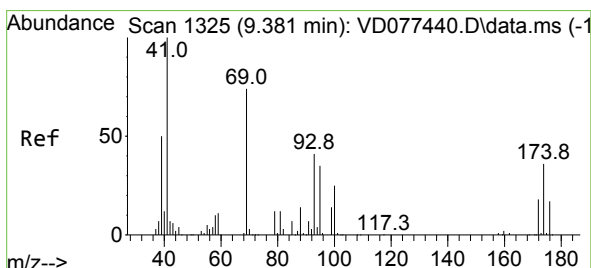
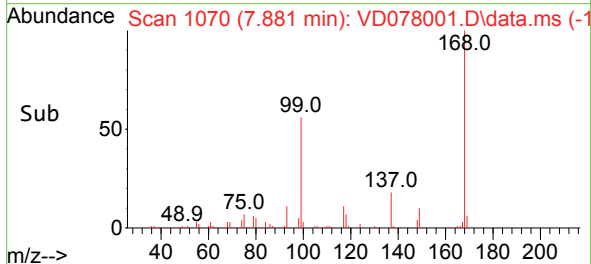
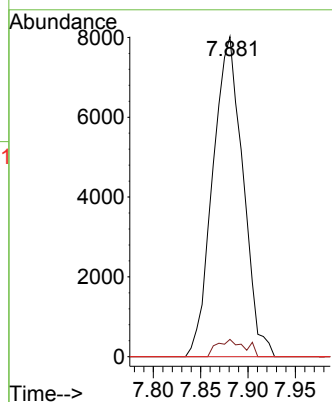


#38
Carbon Tetrachloride
Concen: 5.140 ug/l
RT: 7.881 min Scan# 1089
Delta R.T. -0.112 min
Lab File: VD078001.D
Acq: 20 Dec 2023 17:43

Instrument :
MSVOA_D
ClientSampleId :

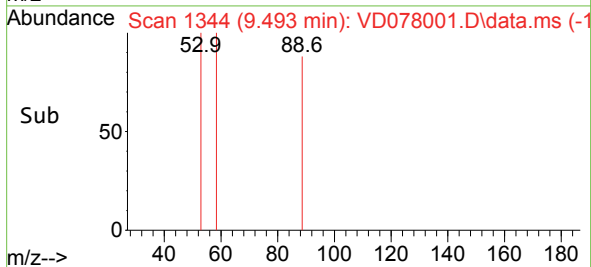
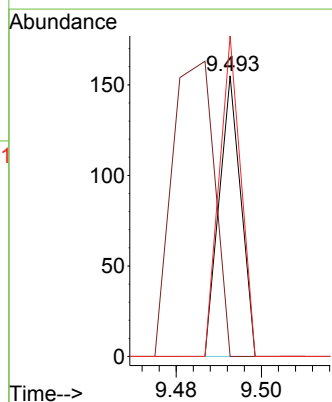
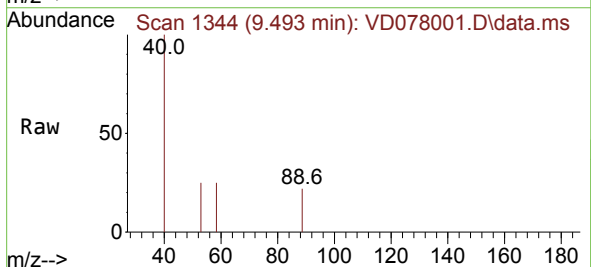


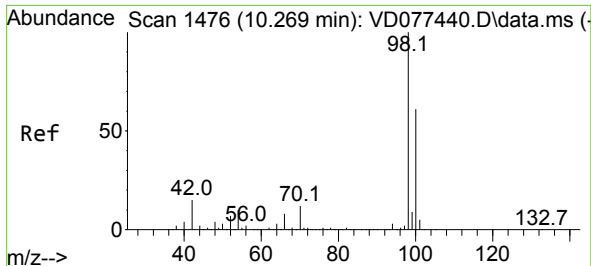
Tgt Ion:117 Resp: 17782
Ion Ratio Lower Upper
117 100
119 5.4 78.0 117.0#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 4.372 ug/l
RT: 9.493 min Scan# 1344
Delta R.T. 0.112 min
Lab File: VD078001.D
Acq: 20 Dec 2023 17:43

Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 203.6 19.0 28.6#
58 112.7 43.5 65.3#

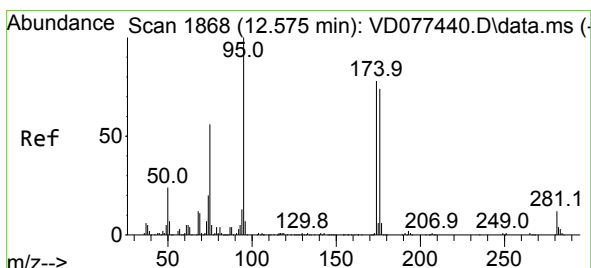
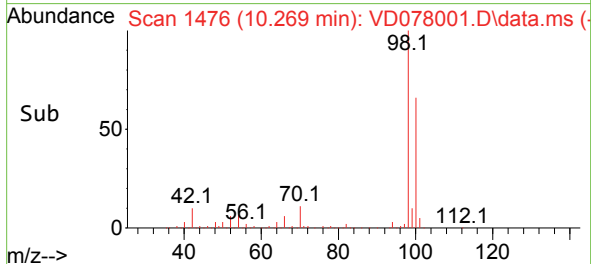
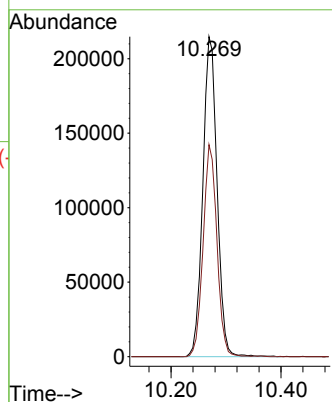
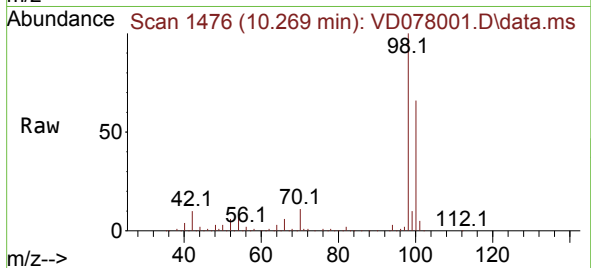




#50
Toluene-d8
Concen: 44.423 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078001.D
Acq: 20 Dec 2023 17:43

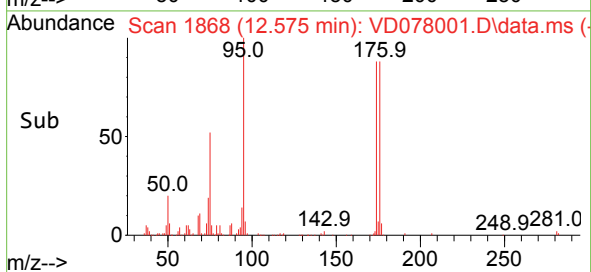
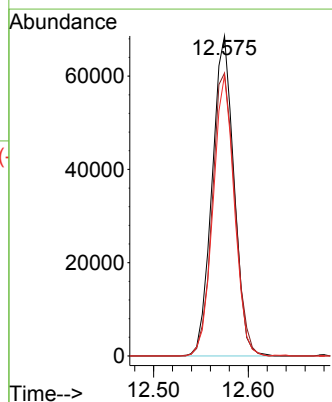
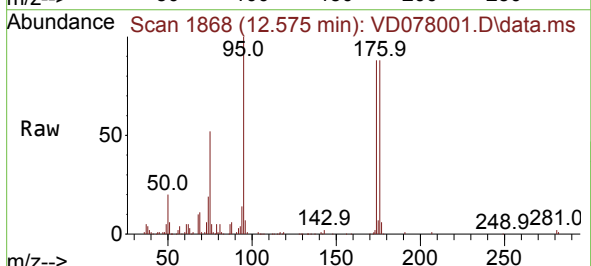
Instrument :
MSVOA_D
ClientSampleId :

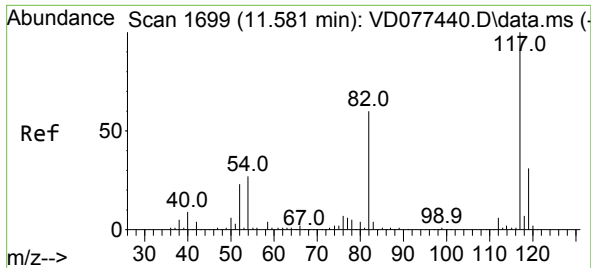
Tgt Ion: 98 Resp: 386026
Ion Ratio Lower Upper
98 100
100 64.3 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 42.493 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078001.D
Acq: 20 Dec 2023 17:43

Tgt Ion: 95 Resp: 110397
Ion Ratio Lower Upper
95 100
174 91.0 0.0 201.8
176 85.2 0.0 191.8

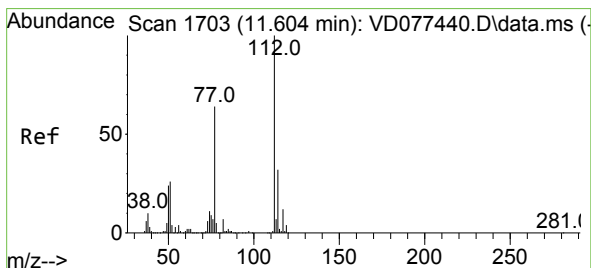
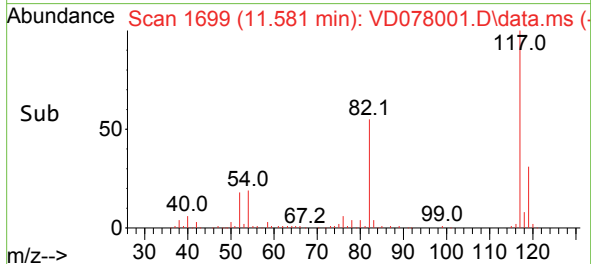
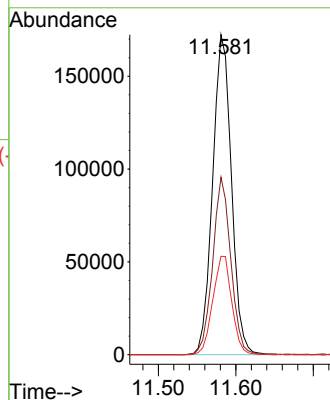
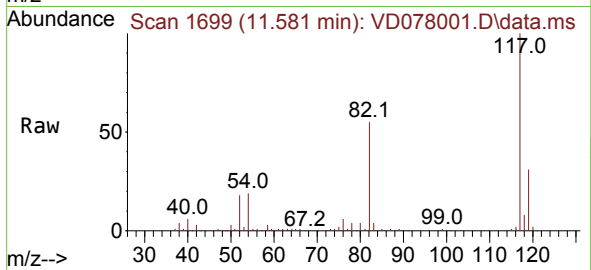




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD078001.D
Acq: 20 Dec 2023 17:43

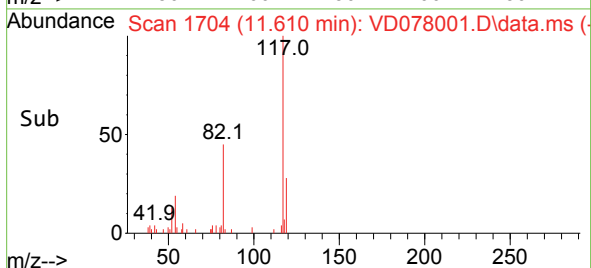
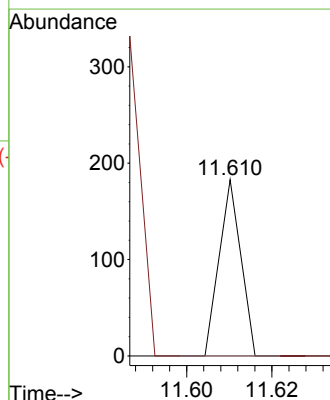
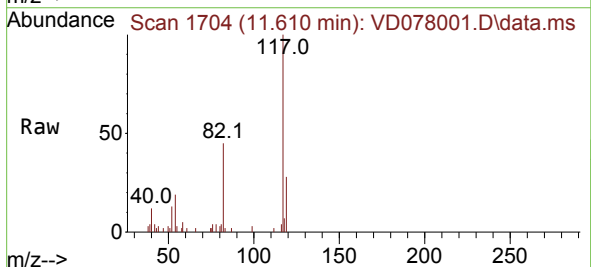
Instrument :
MSVOA_D
ClientSampleId :

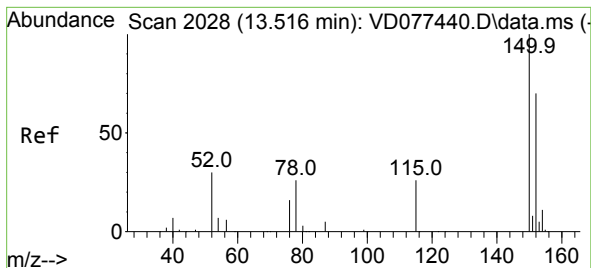
Tgt Ion:117 Resp: 291744
Ion Ratio Lower Upper
117 100
82 55.4 38.3 57.5
119 30.7 25.0 37.4



#65
Chlorobenzene
Concen: Below Cal
RT: 11.610 min Scan# 1704
Delta R.T. 0.006 min
Lab File: VD078001.D
Acq: 20 Dec 2023 17:43

Tgt Ion:112 Resp: 65
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#

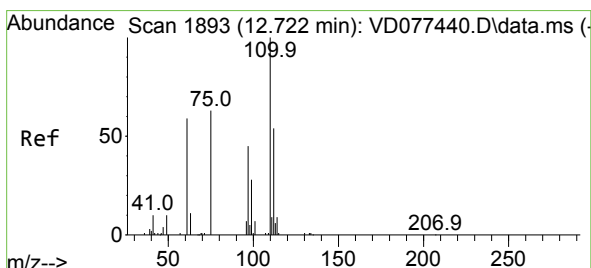
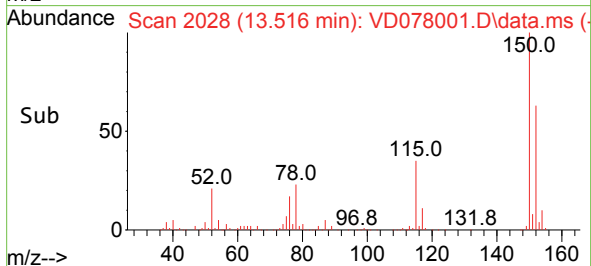
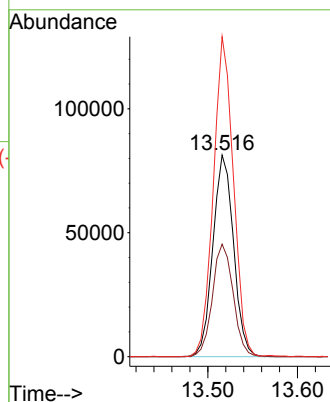
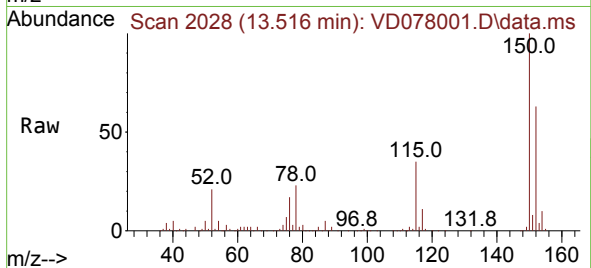




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VD078001.D
 Acq: 20 Dec 2023 17:43

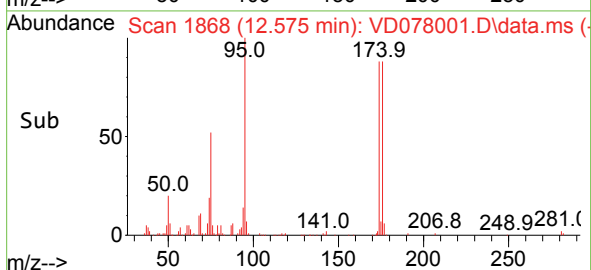
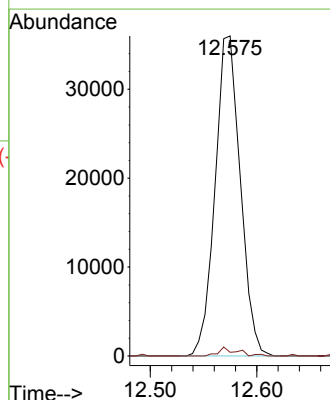
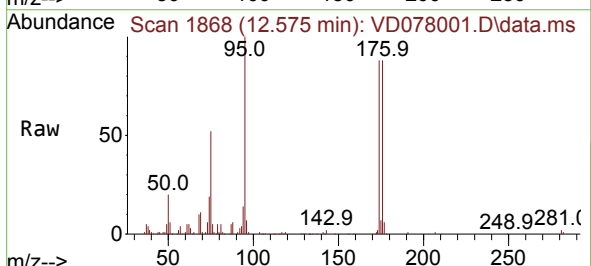
Instrument :
 MSVOA_D
 ClientSampleId :

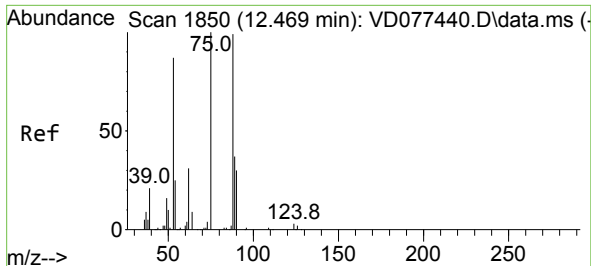
Tgt Ion:152 Resp: 130131
 Ion Ratio Lower Upper
 152 100
 115 56.0 27.1 81.3
 150 153.8 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 52.325 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD078001.D
 Acq: 20 Dec 2023 17:43

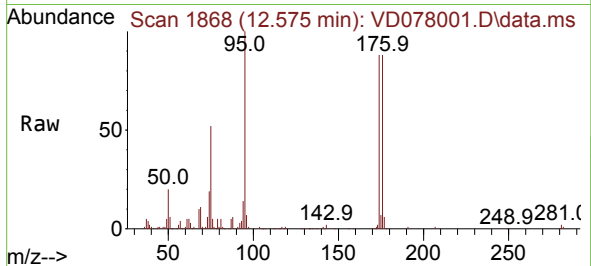
Tgt Ion: 75 Resp: 59137
 Ion Ratio Lower Upper
 75 100
 77 2.0 0.0 0.0#



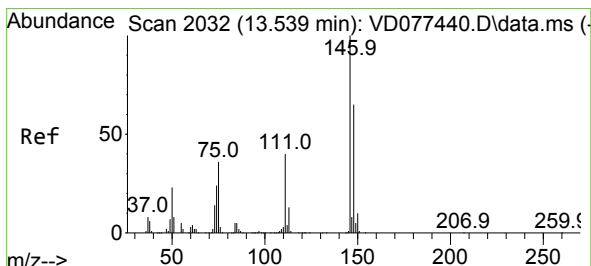
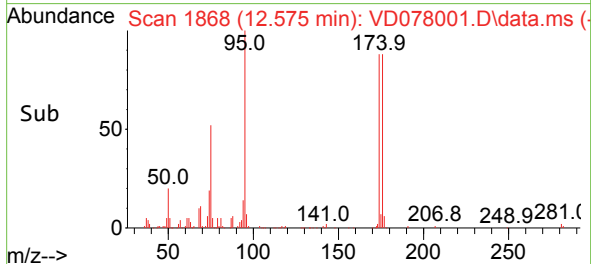
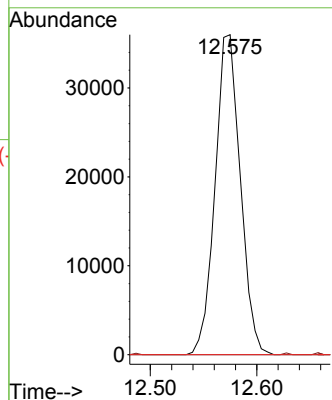


#81
trans-1,4-Dichloro-2-butene
Concen: 106.013 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078001.D
Acq: 20 Dec 2023 17:43

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 59137
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: VD078001.D
Acq: 20 Dec 2023 17:43

Tgt Ion: 146 Resp: 58
Ion Ratio Lower Upper
146 100
111 3267.2 17.4 52.3#
148 1808.6 31.7 95.1#

