

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122023\
 Data File : VD077995.D
 Acq On : 20 Dec 2023 15:02
 Operator : RP/MD
 Sample : 05827-08
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 21 05:24:40 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

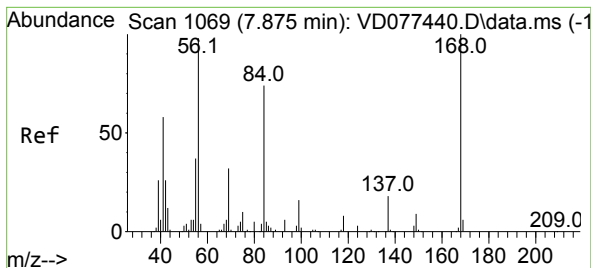
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.881	168	161321	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	302597	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	285386	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	121043	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	76883	40.445	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	80.880%
35) Dibromofluoromethane	7.804	113	89189	42.079	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.160%
50) Toluene-d8	10.269	98	386114	45.483	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.960%
62) 4-Bromofluorobenzene	12.575	95	104276	41.085	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.160%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.063	59	56	Below Cal	#	73
16) Acetone	4.016	43	588	Below Cal		100
20) Methylene Chloride	4.810	84	6711	Below Cal	#	87
25) 2-Butanone	7.075	43	822	Below Cal	#	37
31) Cyclohexane	7.887	56	4075	1.205	ug/l #	65
36) 1,1-Dichloropropene	7.875	75	13460	3.970	ug/l #	50
38) Carbon Tetrachloride	7.875	117	15624	4.622	ug/l #	17
76) 1,2,3-Trichloropropane	12.575	75	57554	54.747	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	57554	110.922	ug/l #	17
88) 1,4-Dichlorobenzene	13.539	146	142	Below Cal	#	44
92) 1,2-Dibromo-3-Chloropr...	14.251	75	63	Below Cal	#	1

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

Quant Time: Dec 21 05:24:40 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: VD077995.D

Acq: 20 Dec 2023 15:02

Instrument :

MSVOA_D

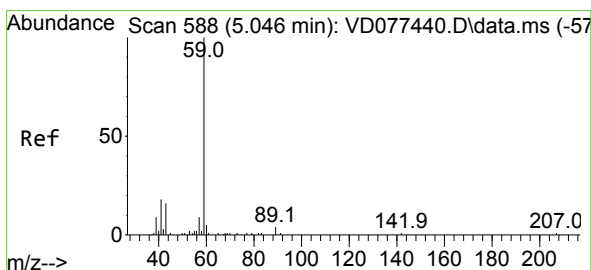
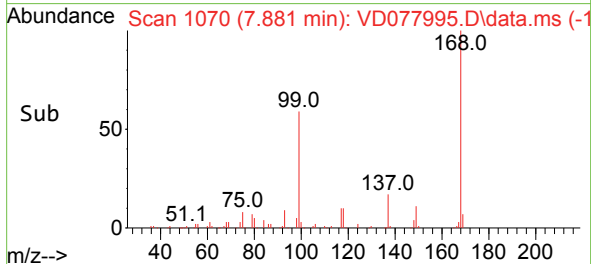
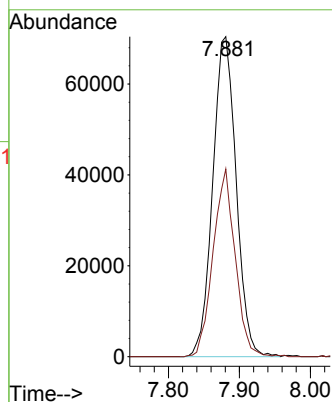
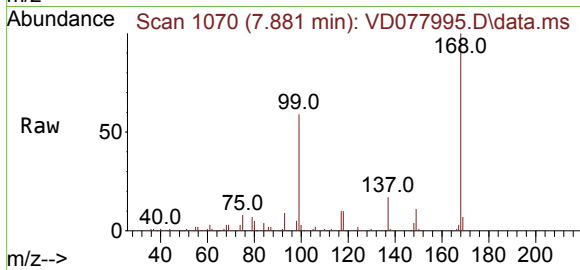
ClientSampleId :

Tgt Ion:168 Resp: 161321

Ion Ratio Lower Upper

168 100

99 58.7 36.7 55.1#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.063 min Scan# 591

Delta R.T. 0.017 min

Lab File: VD077995.D

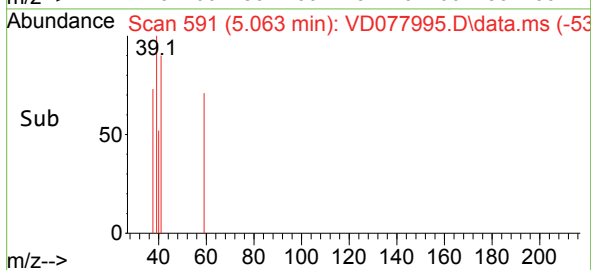
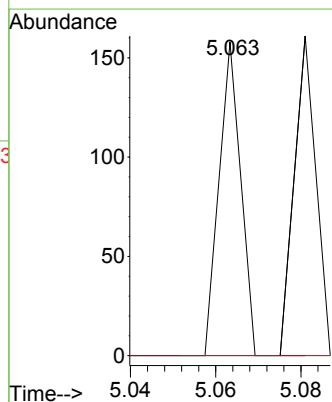
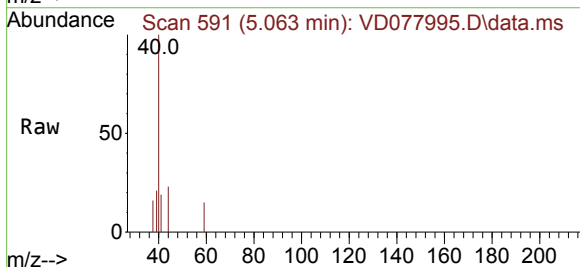
Acq: 20 Dec 2023 15:02

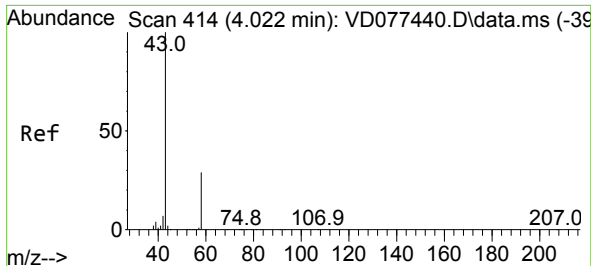
Tgt Ion: 59 Resp: 56

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

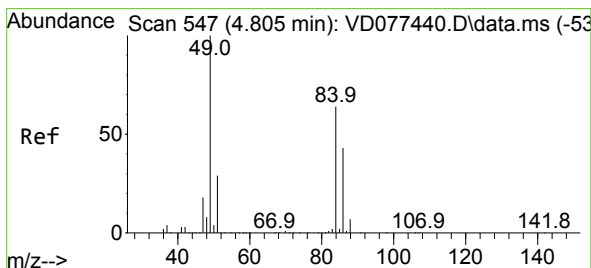
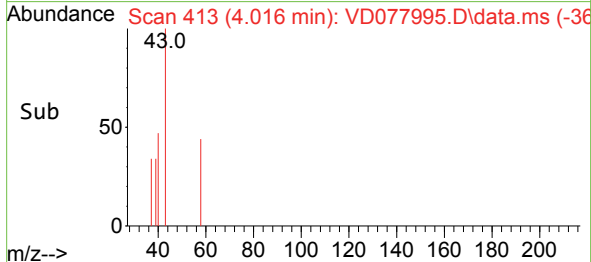
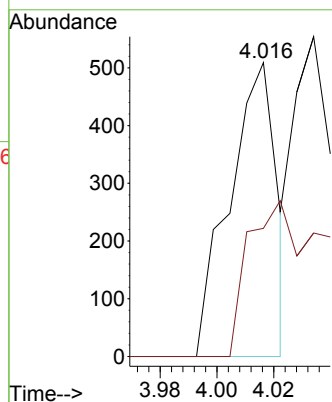
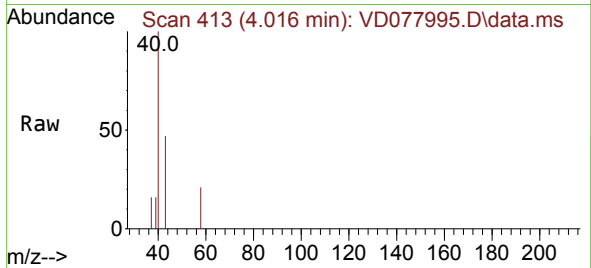




#16
Acetone
Concen: Below Cal
RT: 4.016 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD077995.D
Acq: 20 Dec 2023 15:02

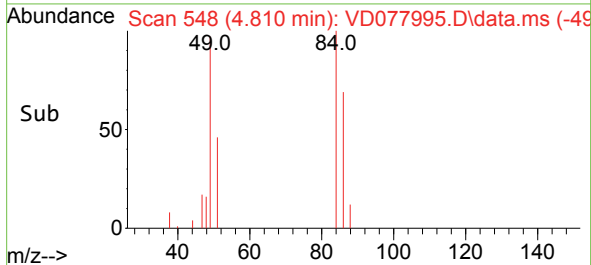
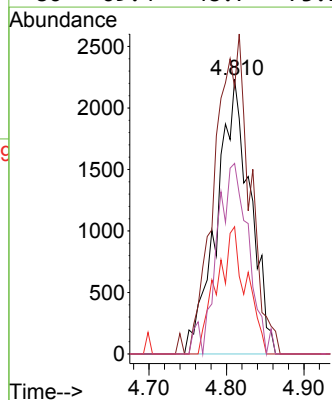
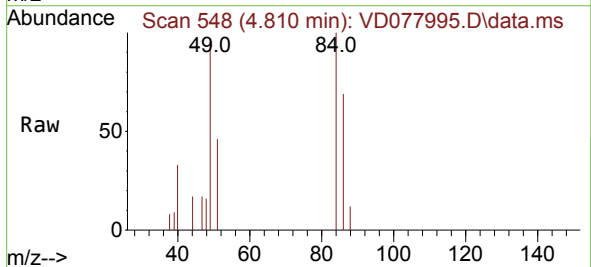
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 588
Ion Ratio Lower Upper
43 100
58 43.6 34.7 52.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.810 min Scan# 548
Delta R.T. 0.005 min
Lab File: VD077995.D
Acq: 20 Dec 2023 15:02

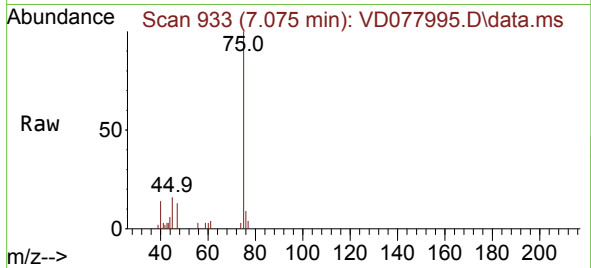
Tgt Ion: 84 Resp: 6711
Ion Ratio Lower Upper
84 100
49 97.1 71.4 107.2
51 46.3 24.5 36.7#
86 69.4 48.7 73.1



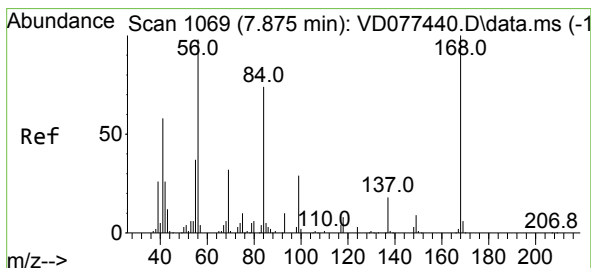
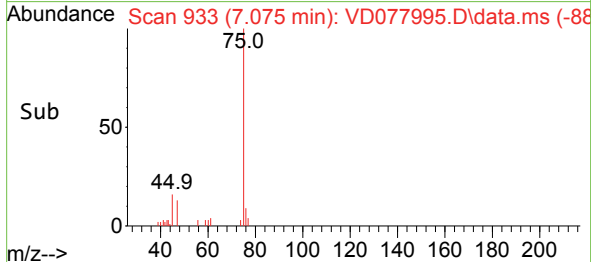
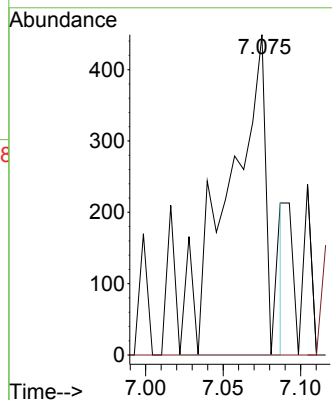


#25
2-Butanone
Concen: Below Cal
RT: 7.075 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD077995.D
Acq: 20 Dec 2023 15:02

Instrument :
MSVOA_D
ClientSampleId :

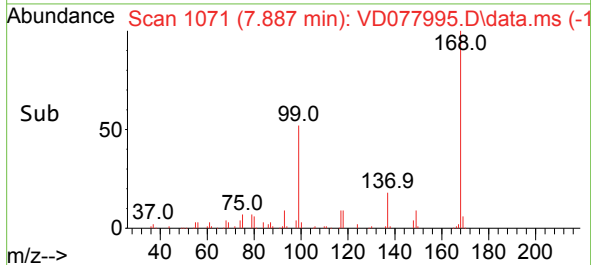
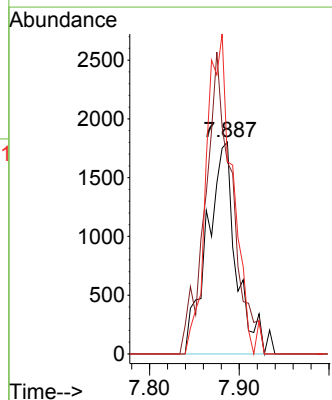
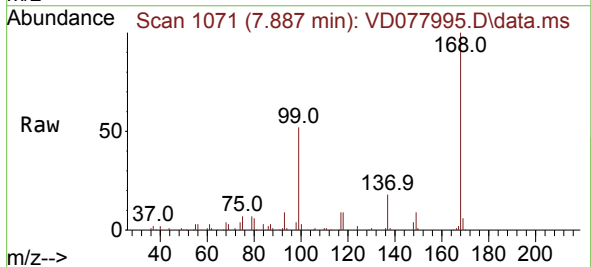


Tgt Ion: 43 Resp: 822
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.205 ug/l
RT: 7.887 min Scan# 1071
Delta R.T. 0.012 min
Lab File: VD077995.D
Acq: 20 Dec 2023 15:02

Tgt Ion: 56 Resp: 4075
Ion Ratio Lower Upper
56 100
69 90.4 28.6 43.0#
84 90.7 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 40.445 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD077995.D

Acq: 20 Dec 2023 15:02

Instrument :

MSVOA_D

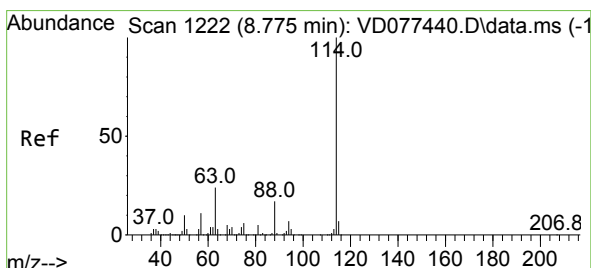
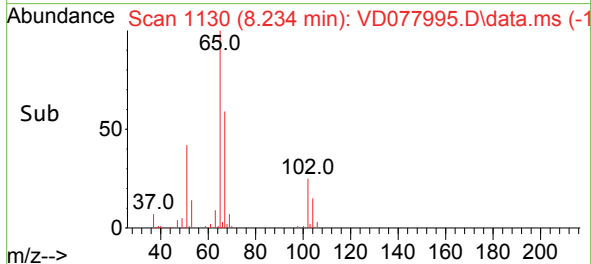
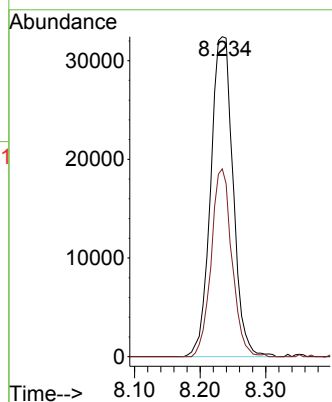
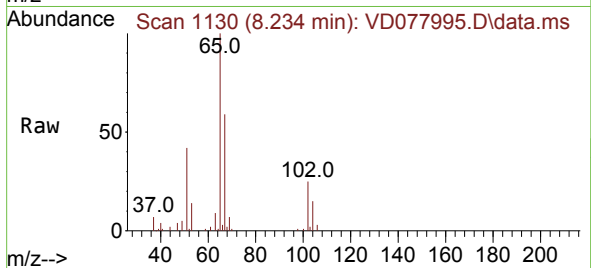
ClientSampleId :

Tgt Ion: 65 Resp: 76883

Ion Ratio Lower Upper

65 100

67 54.3 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: VD077995.D

Acq: 20 Dec 2023 15:02

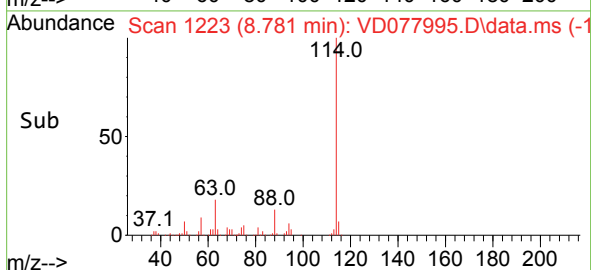
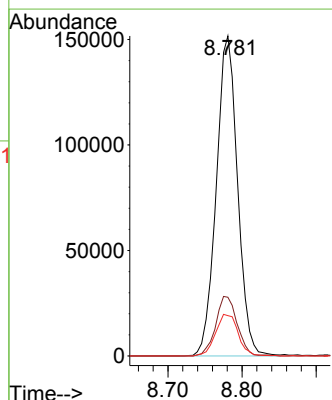
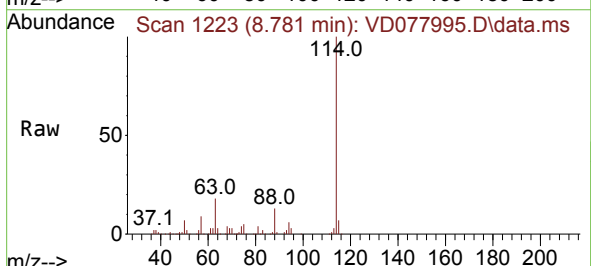
Tgt Ion: 114 Resp: 302597

Ion Ratio Lower Upper

114 100

63 18.3 0.0 33.4

88 12.6 0.0 26.2

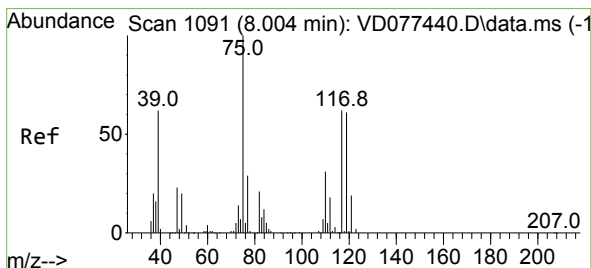
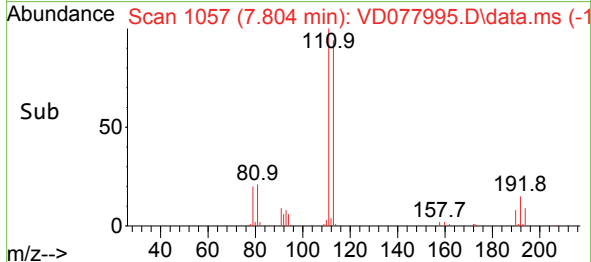
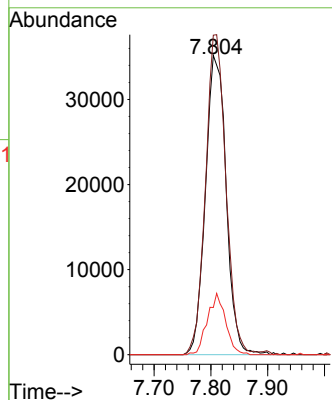
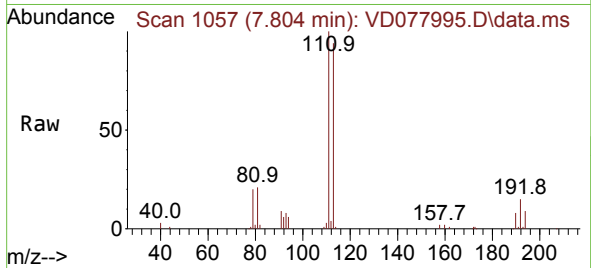




#35
Dibromofluoromethane
Concen: 42.079 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD077995.D
Acq: 20 Dec 2023 15:02

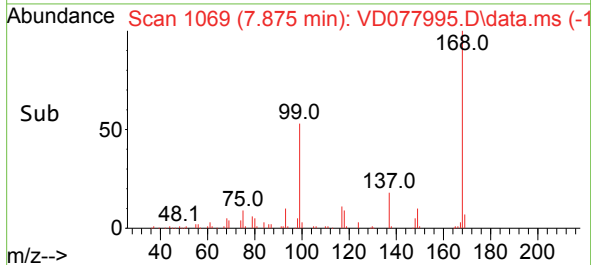
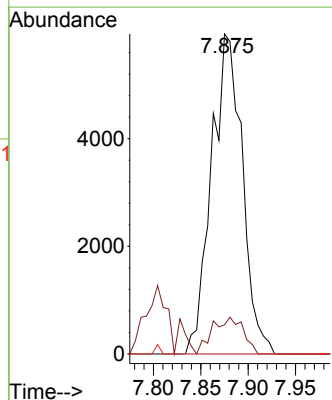
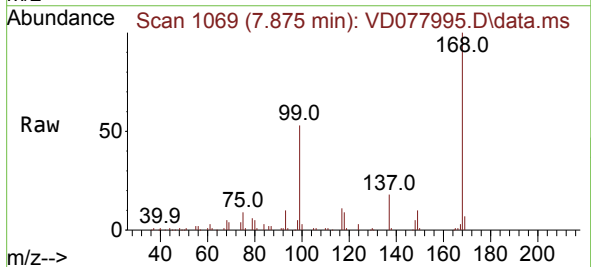
Instrument :
MSVOA_D
ClientSampleId :

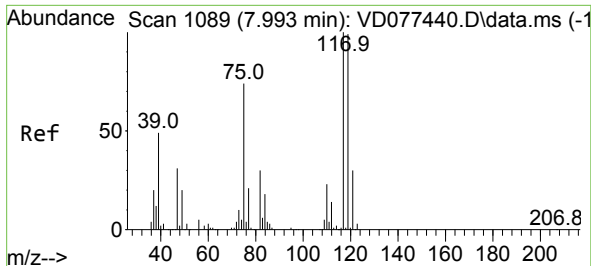
Tgt Ion:113 Resp: 89189
Ion Ratio Lower Upper
113 100
111 105.1 84.7 127.1
192 18.1 16.8 25.2



#36
1,1-Dichloropropene
Concen: 3.970 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD077995.D
Acq: 20 Dec 2023 15:02

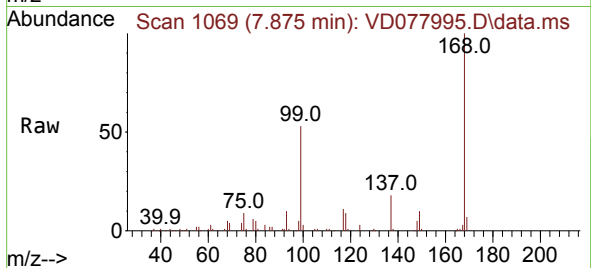
Tgt Ion: 75 Resp: 13460
Ion Ratio Lower Upper
75 100
110 11.5 19.9 59.6#
77 0.0 24.7 37.1#



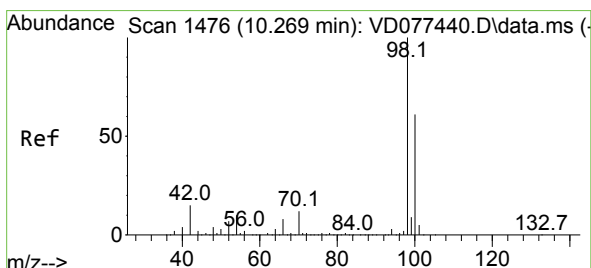
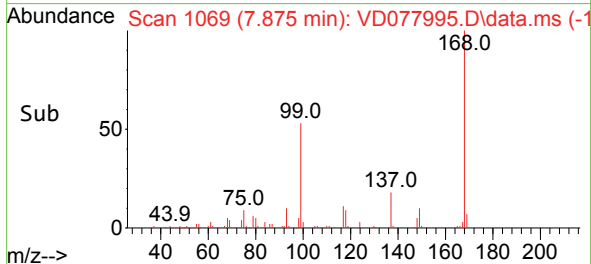
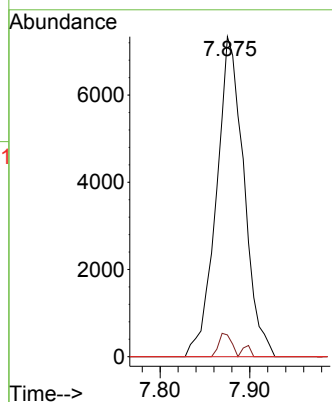


#38
Carbon Tetrachloride
Concen: 4.622 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD077995.D
Acq: 20 Dec 2023 15:02

Instrument :
MSVOA_D
ClientSampleId :

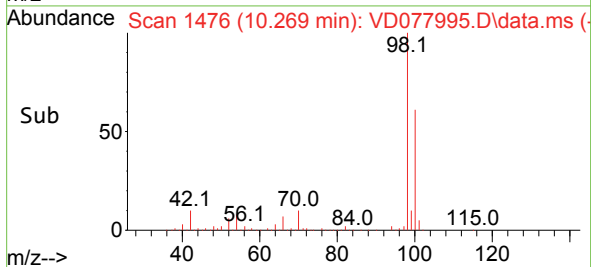
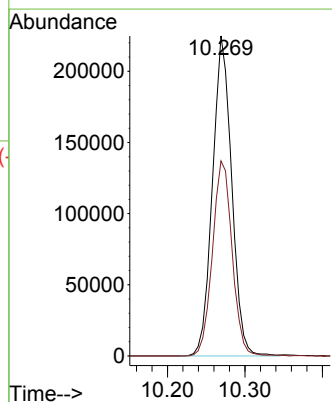
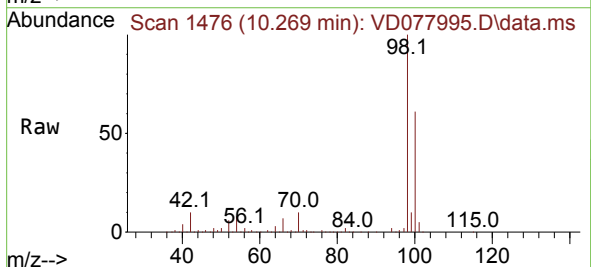


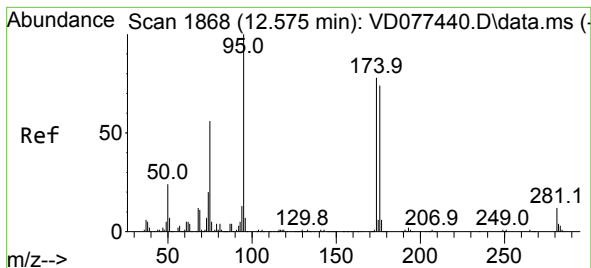
Tgt Ion:117 Resp: 15624
Ion Ratio Lower Upper
117 100
119 6.8 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 45.483 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD077995.D
Acq: 20 Dec 2023 15:02

Tgt Ion: 98 Resp: 386114
Ion Ratio Lower Upper
98 100
100 62.5 50.3 75.5

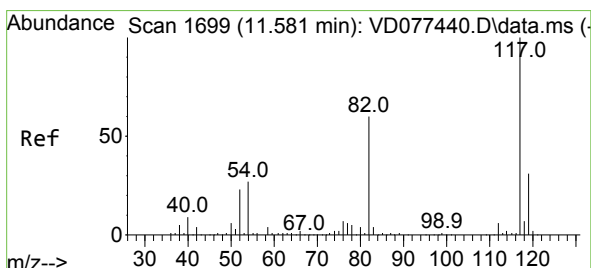
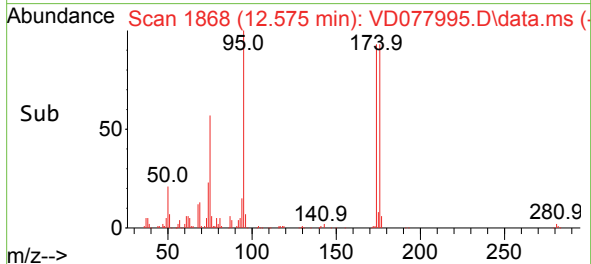
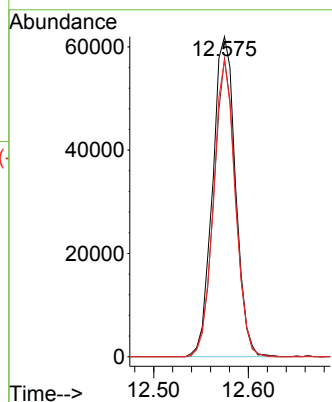
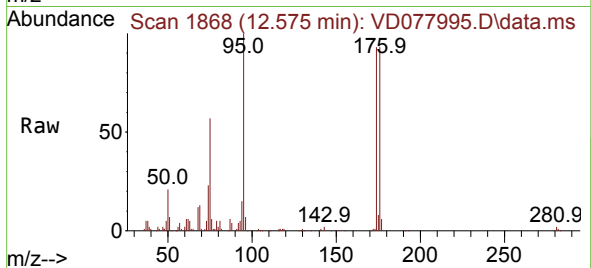




#62
4-Bromofluorobenzene
Concen: 41.085 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077995.D
Acq: 20 Dec 2023 15:02

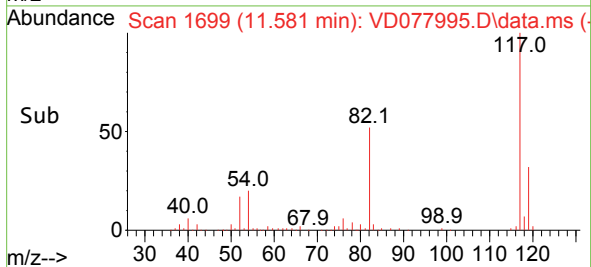
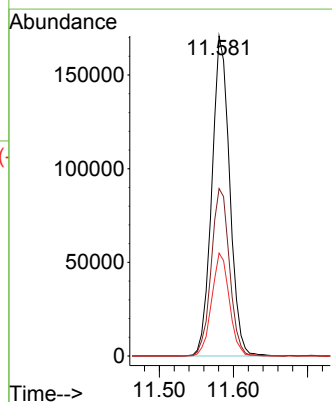
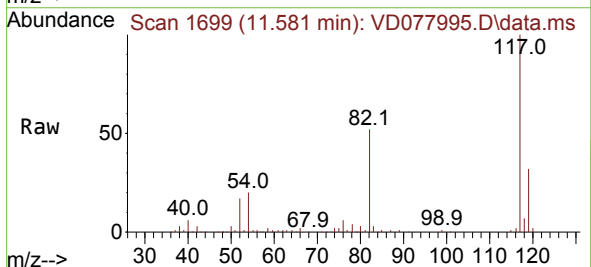
Instrument :
MSVOA_D
ClientSampleId :

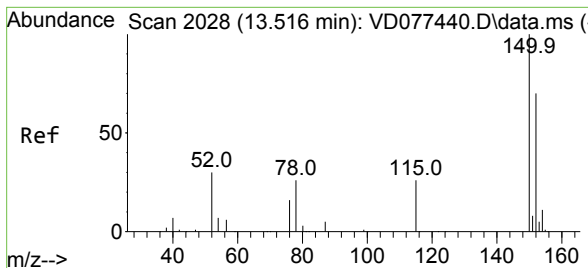
Tgt Ion: 95 Resp: 104276
Ion Ratio Lower Upper
95 100
174 88.1 0.0 201.8
176 87.6 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077995.D
Acq: 20 Dec 2023 15:02

Tgt Ion: 117 Resp: 285386
Ion Ratio Lower Upper
117 100
82 52.3 38.3 57.5
119 32.1 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2028

Delta R.T. 0.006 min

Lab File: VD077995.D

Acq: 20 Dec 2023 15:02

Instrument :

MSVOA_D

ClientSampleId :

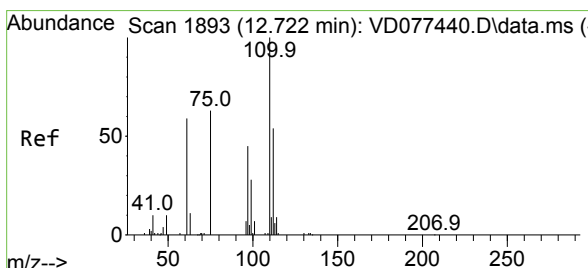
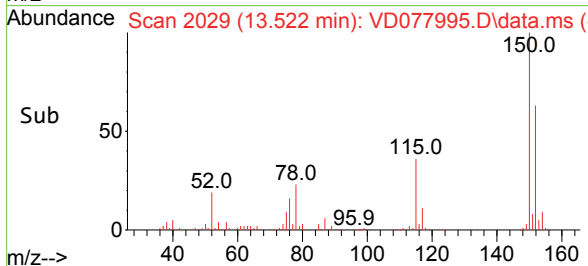
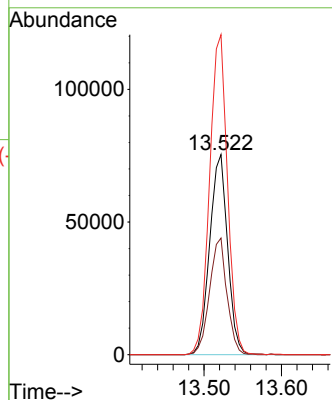
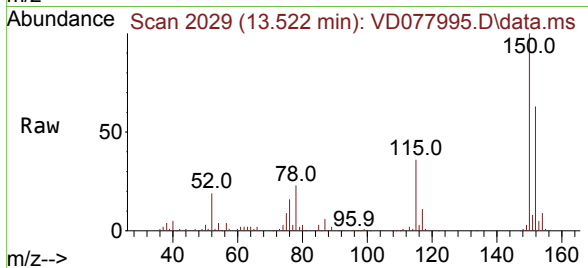
Tgt Ion:152 Resp: 121043

Ion Ratio Lower Upper

152 100

115 56.7 27.1 81.3

150 159.2 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 54.747 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD077995.D

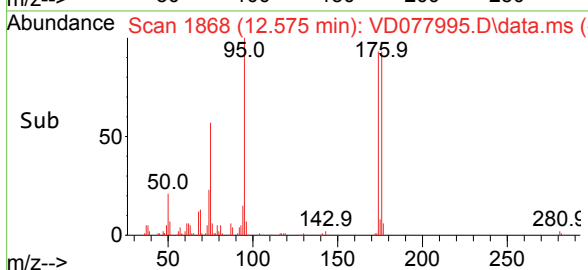
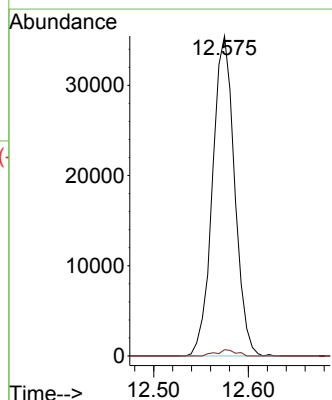
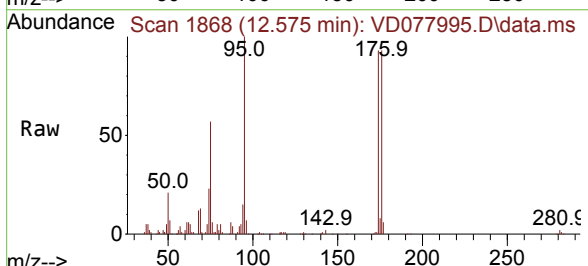
Acq: 20 Dec 2023 15:02

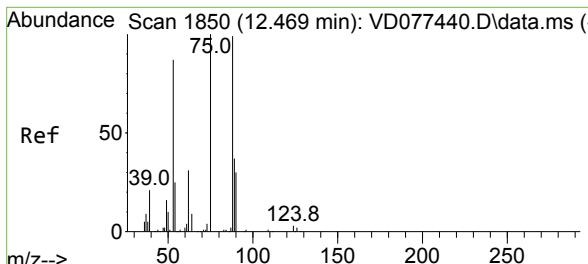
Tgt Ion: 75 Resp: 57554

Ion Ratio Lower Upper

75 100

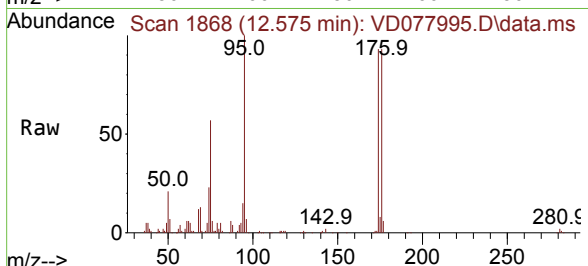
77 1.8 0.0 0.0#



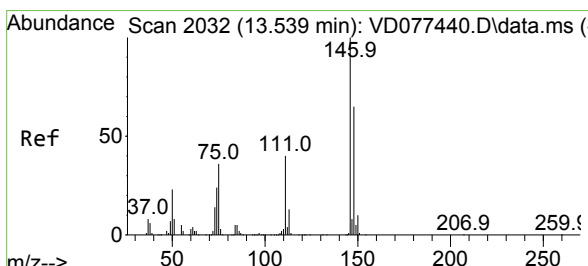
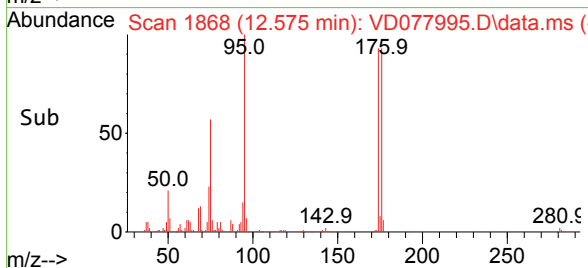
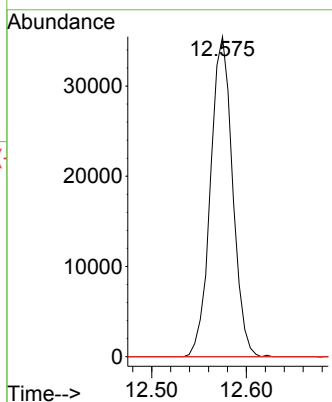


#81
trans-1,4-Dichloro-2-butene
Concen: 110.922 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077995.D
Acq: 20 Dec 2023 15:02

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 57554
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: 13.539 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD077995.D
Acq: 20 Dec 2023 15:02

Tgt Ion:146 Resp: 142
Ion Ratio Lower Upper
146 100
111 40.1 17.4 52.3
148 0.0 31.7 95.1#

