

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121523\
 Data File : VD077923.D
 Acq On : 16 Dec 2023 02:17
 Operator : RP/MD
 Sample : 05758-28
 Misc : 3.14G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 16 05:13:03 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	168449	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	311678	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	291662	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	129858	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	81613	41.116	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	82.240%		
35) Dibromofluoromethane	7.810	113	91927	42.107	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	84.220%		
50) Toluene-d8	10.269	98	399206	45.655	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	91.300%		
62) 4-Bromofluorobenzene	12.574	95	110483	42.262	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	84.520%		
Target Compounds						
11) Tert butyl alcohol	4.969	59	64	Below Cal	#	73
16) Acetone	4.016	43	1247	Below Cal	#	32
20) Methylene Chloride	4.804	84	10817	Below Cal	#	76
25) 2-Butanone	7.092	43	559	Below Cal	#	37
31) Cyclohexane	7.875	56	3662	1.037	ug/l	# 1
36) 1,1-Dichloropropene	7.881	75	14412	4.127	ug/l	# 47
38) Carbon Tetrachloride	7.881	117	17043	4.895	ug/l	# 16
49) 1,4-Dioxane	9.504	88	62	4.898	ug/l	# 1
65) Chlorobenzene	11.604	112	183	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.574	75	59816	53.037	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.574	75	59816	107.456	ug/l	# 17
88) 1,4-Dichlorobenzene	13.545	146	67	Below Cal	#	26
92) 1,2-Dibromo-3-Chloropr...	14.551	75	59	Below Cal	#	1

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

Instrument :

MSVOA_D

ClientSampleId :

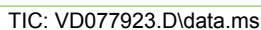
Quant Time: Dec 16 05:13:03 2023

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: VD077923.D

Acq: 16 Dec 2023 02:17

Instrument :

MSVOA_D

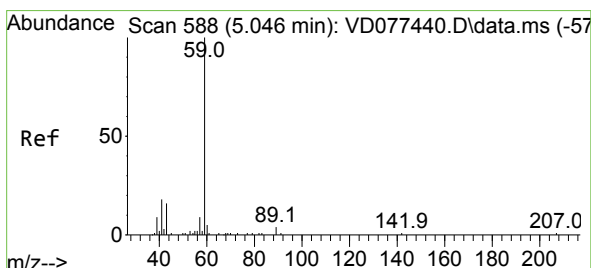
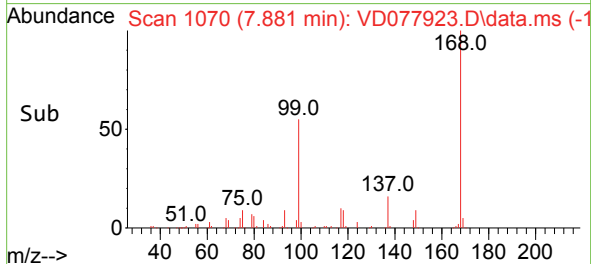
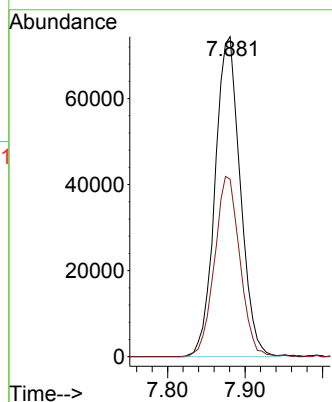
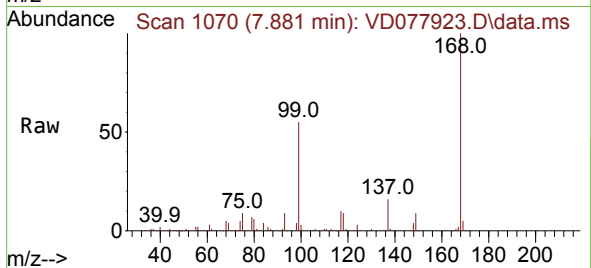
ClientSampleId :

Tgt Ion:168 Resp: 168449

Ion Ratio Lower Upper

168 100

99 55.5 36.7 55.1#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.969 min Scan# 575

Delta R.T. -0.077 min

Lab File: VD077923.D

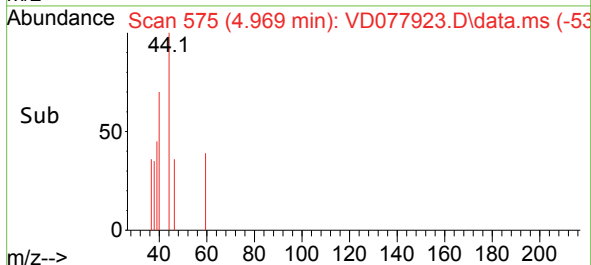
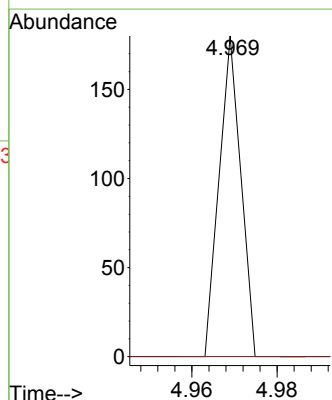
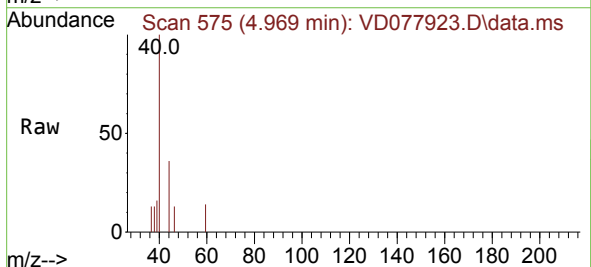
Acq: 16 Dec 2023 02:17

Tgt Ion: 59 Resp: 64

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

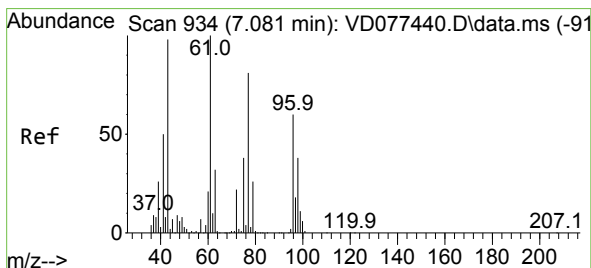
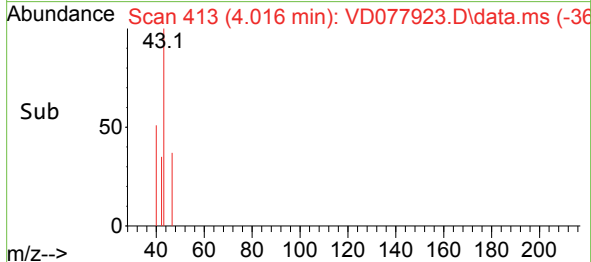
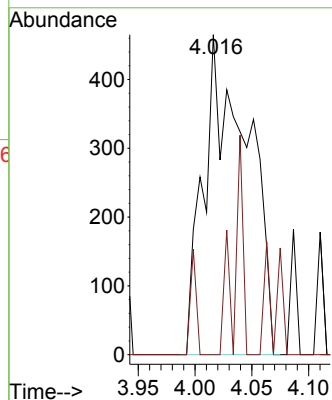
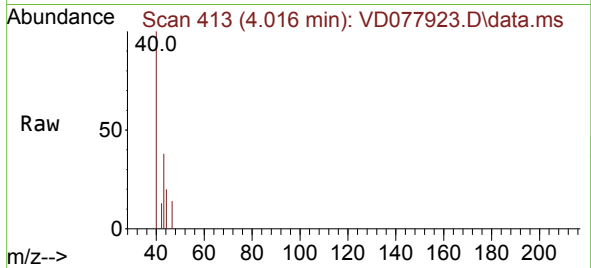




#16
Acetone
Concen: Below Cal
RT: 4.016 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD077923.D
Acq: 16 Dec 2023 02:17

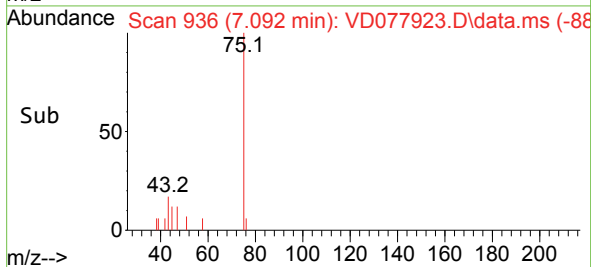
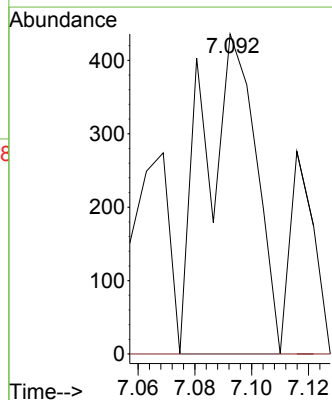
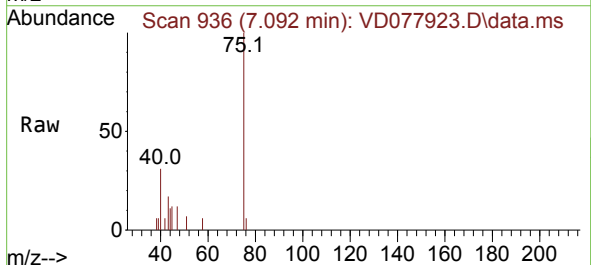
Instrument :
MSVOA_D
ClientSampleId :

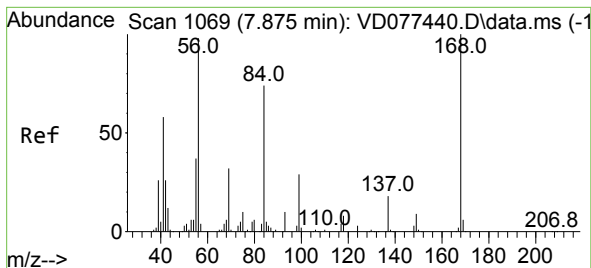
Tgt Ion: 43 Resp: 1247
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#25
2-Butanone
Concen: Below Cal
RT: 7.092 min Scan# 936
Delta R.T. 0.011 min
Lab File: VD077923.D
Acq: 16 Dec 2023 02:17

Tgt Ion: 43 Resp: 559
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#





#31

Cyclohexane

Concen: 1.037 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.000 min

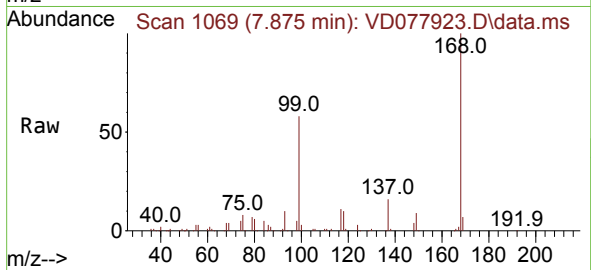
Lab File: VD077923.D

Acq: 16 Dec 2023 02:17

Instrument :

MSVOA_D

ClientSampleId :



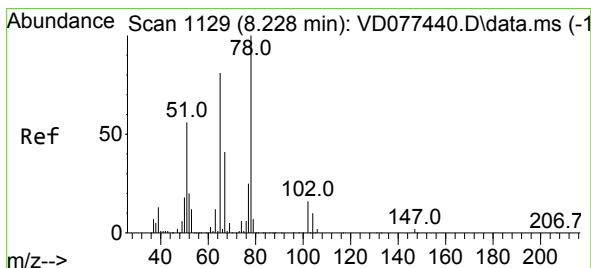
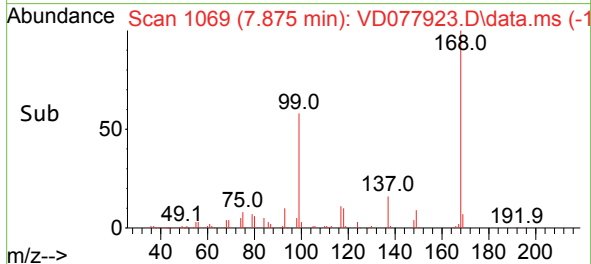
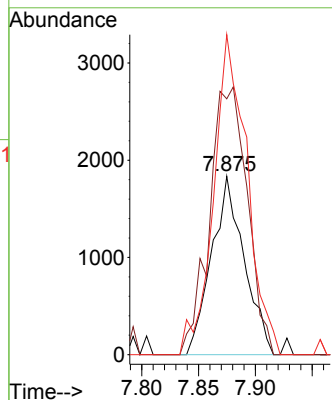
Tgt Ion: 56 Resp: 3662

Ion Ratio Lower Upper

56 100

69 143.4 28.6 43.0#

84 179.3 84.8 127.2#



#33

1,2-Dichloroethane-d4

Concen: 41.116 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD077923.D

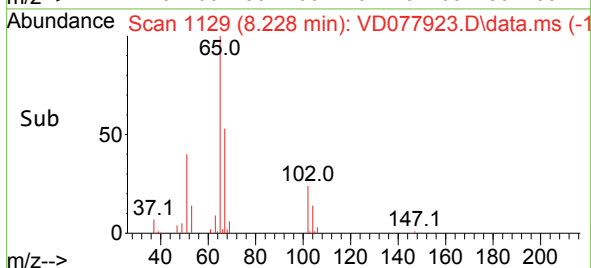
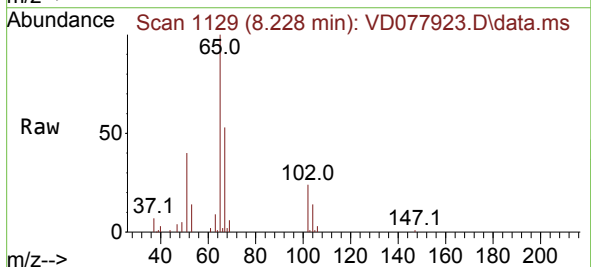
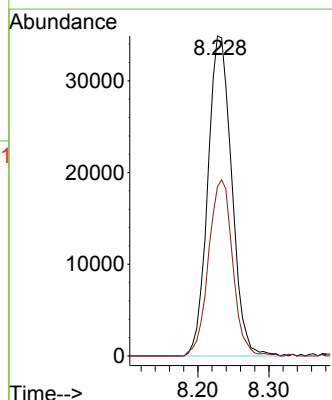
Acq: 16 Dec 2023 02:17

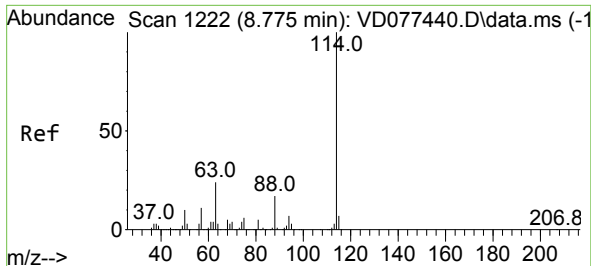
Tgt Ion: 65 Resp: 81613

Ion Ratio Lower Upper

65 100

67 55.5 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: VD077923.D

Acq: 16 Dec 2023 02:17

Instrument :

MSVOA_D

ClientSampleId :

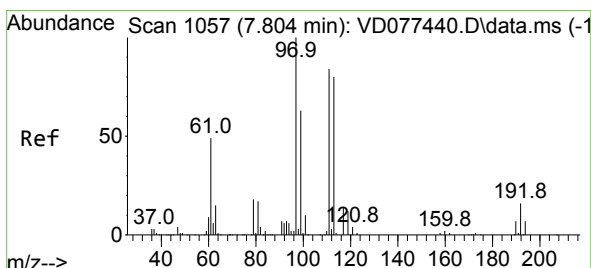
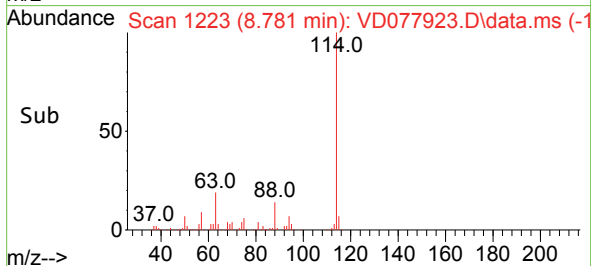
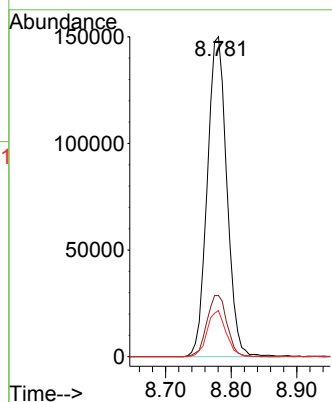
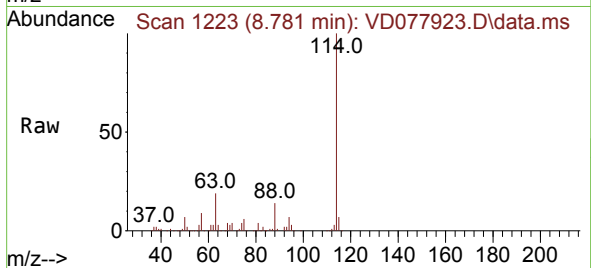
Tgt Ion:114 Resp: 311678

Ion Ratio Lower Upper

114 100

63 19.1 0.0 33.4

88 14.4 0.0 26.2



#35

Dibromofluoromethane

Concen: 42.107 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077923.D

Acq: 16 Dec 2023 02:17

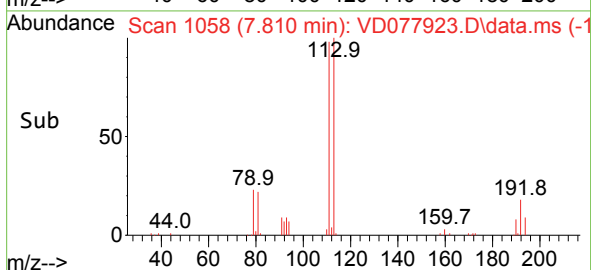
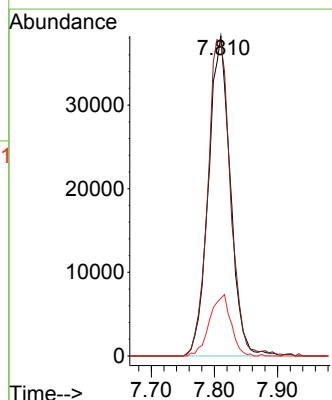
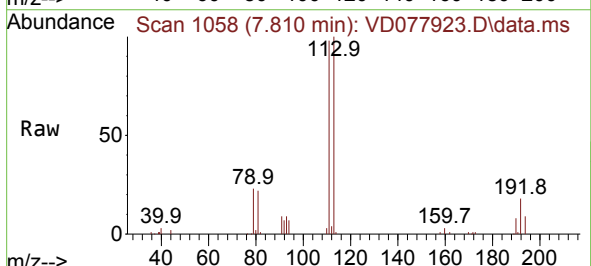
Tgt Ion:113 Resp: 91927

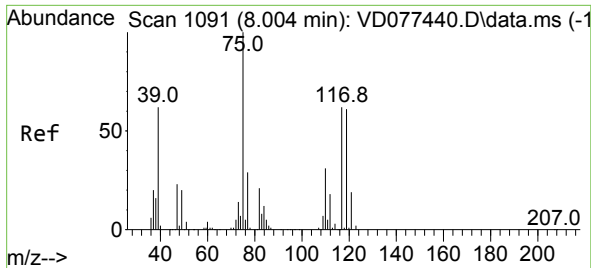
Ion Ratio Lower Upper

113 100

111 103.5 84.7 127.1

192 18.7 16.8 25.2

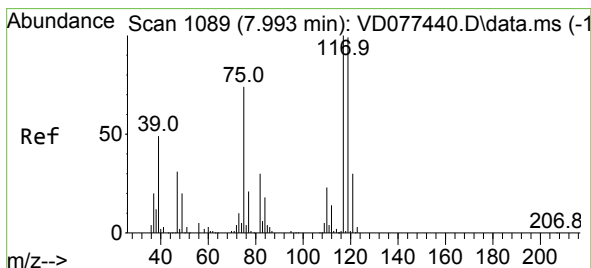
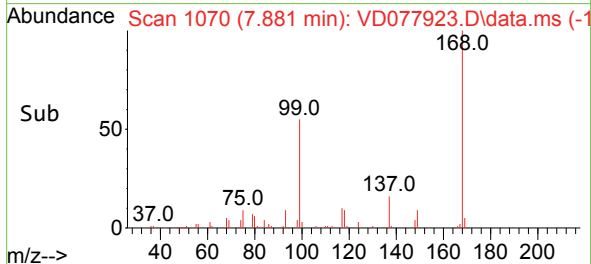
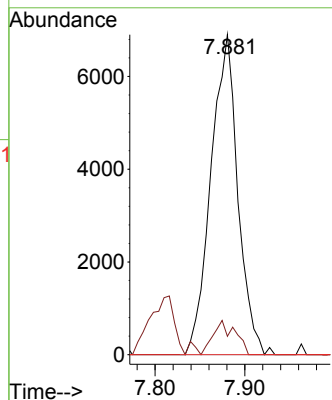
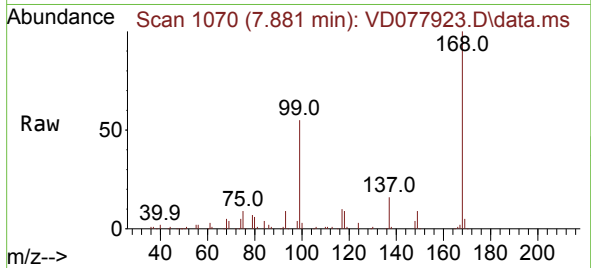




#36
1,1-Dichloropropene
Concen: 4.127 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.123 min
Lab File: VD077923.D
Acq: 16 Dec 2023 02:17

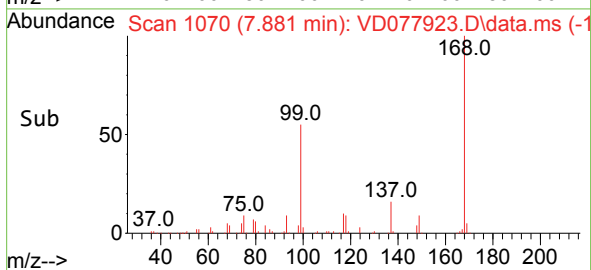
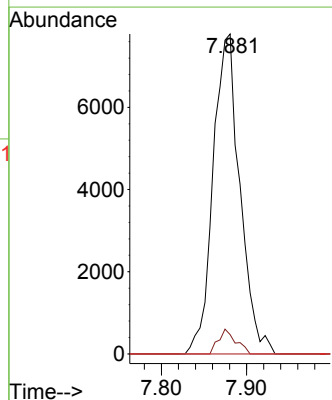
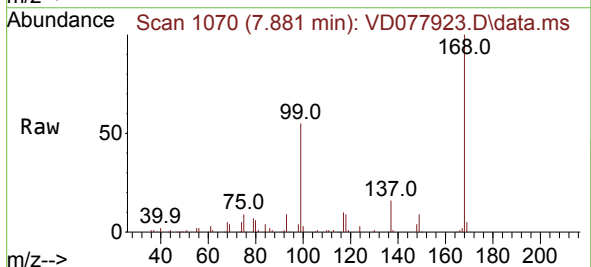
Instrument :
MSVOA_D
ClientSampleId :

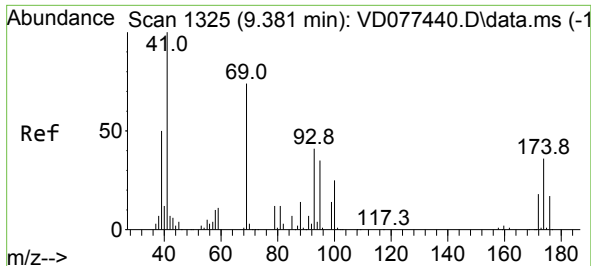
Tgt Ion: 75 Resp: 14412
Ion Ratio Lower Upper
75 100
110 8.7 19.9 59.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 4.895 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.112 min
Lab File: VD077923.D
Acq: 16 Dec 2023 02:17

Tgt Ion: 117 Resp: 17043
Ion Ratio Lower Upper
117 100
119 6.0 78.0 117.0#
121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 4.898 ug/l

RT: 9.504 min Scan# 1

Delta R.T. 0.123 min

Lab File: VD077923.D

Acq: 16 Dec 2023 02:17

Instrument :

MSVOA_D

ClientSampleId :

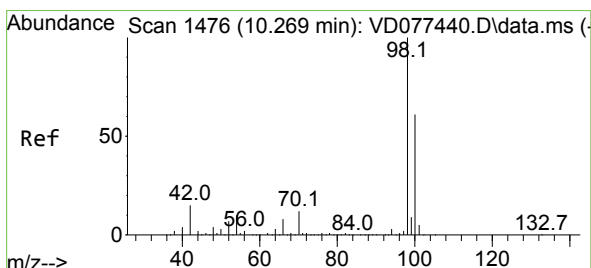
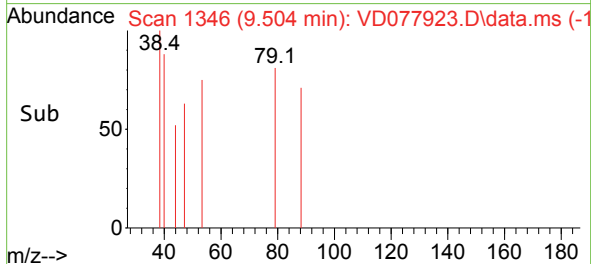
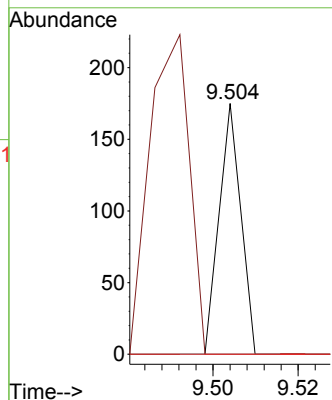
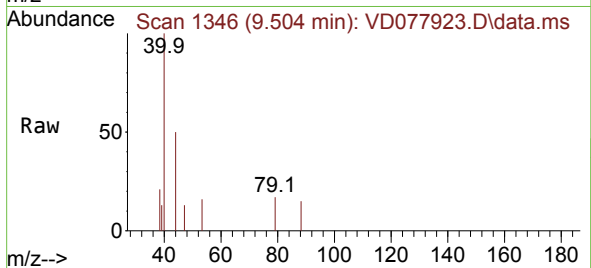
Tgt Ion: 88 Resp: 62

Ion Ratio Lower Upper

88 100

43 232.3 19.0 28.6#

58 0.0 43.5 65.3#



#50

Toluene-d8

Concen: 45.655 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD077923.D

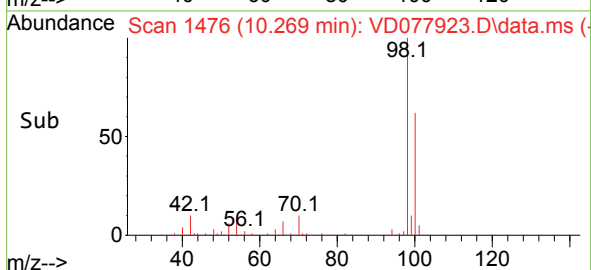
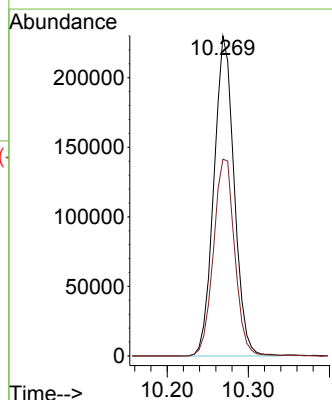
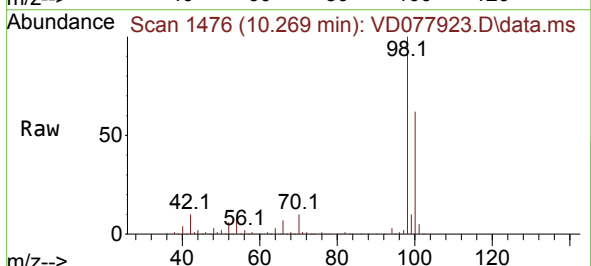
Acq: 16 Dec 2023 02:17

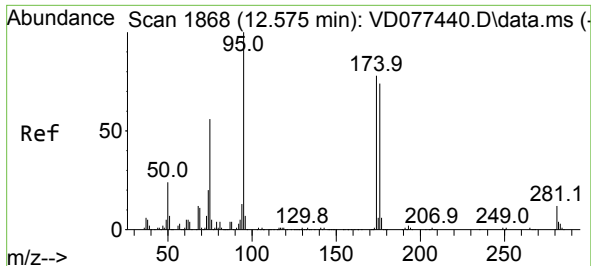
Tgt Ion: 98 Resp: 399206

Ion Ratio Lower Upper

98 100

100 64.5 50.3 75.5

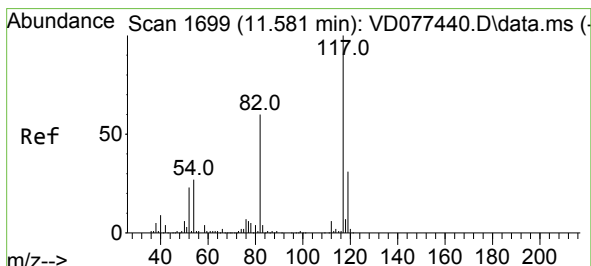
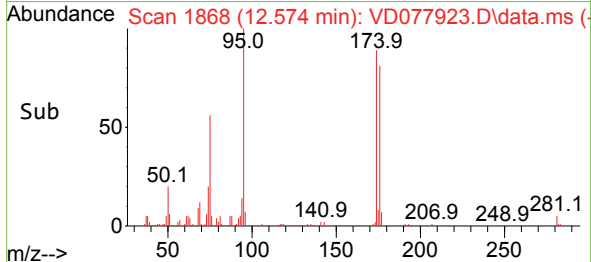
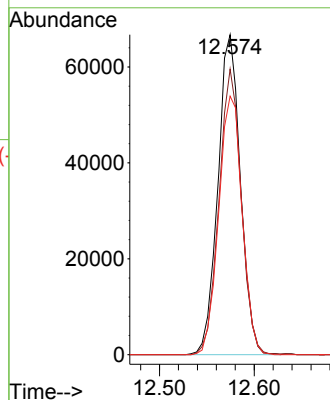
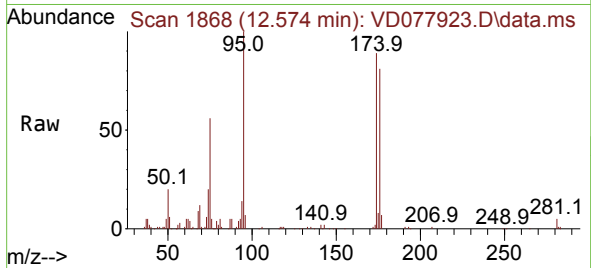




#62
4-Bromofluorobenzene
Concen: 42.262 ug/l
RT: 12.574 min Scan# 1868
Delta R.T. -0.001 min
Lab File: VD077923.D
Acq: 16 Dec 2023 02:17

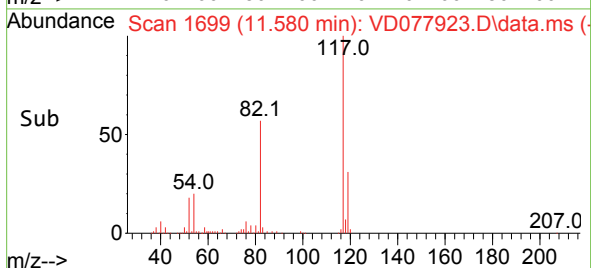
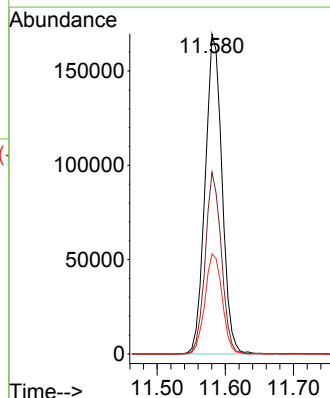
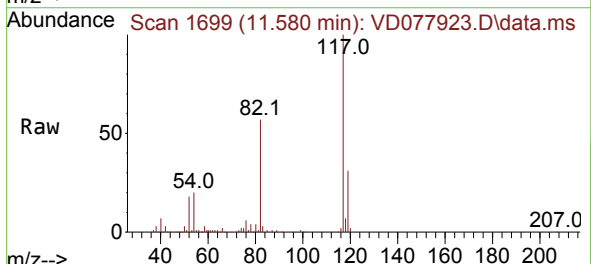
Instrument :
MSVOA_D
ClientSampleId :

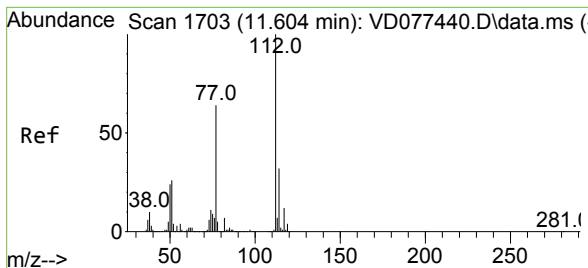
Tgt Ion: 95 Resp: 110483
Ion Ratio Lower Upper
95 100
174 88.3 0.0 201.8
176 83.9 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 1699
Delta R.T. -0.001 min
Lab File: VD077923.D
Acq: 16 Dec 2023 02:17

Tgt Ion: 117 Resp: 291662
Ion Ratio Lower Upper
117 100
82 56.8 38.3 57.5
119 31.2 25.0 37.4

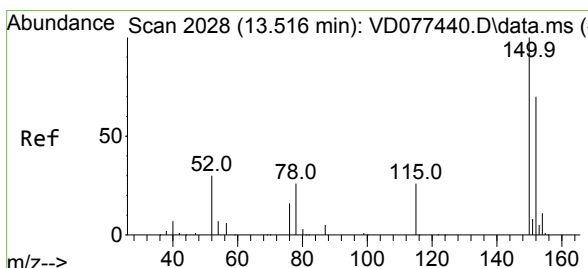
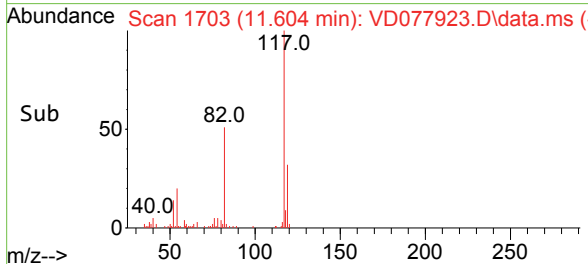
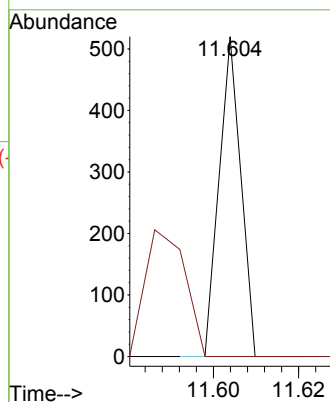
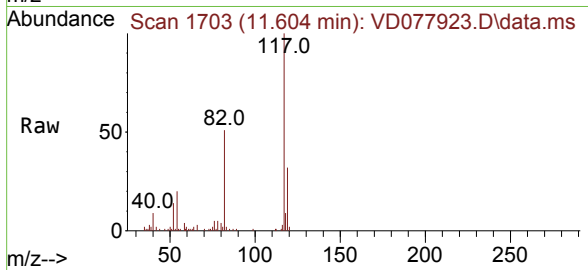




#65
Chlorobenzene
Concen: Below Cal
RT: 11.604 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077923.D
Acq: 16 Dec 2023 02:17

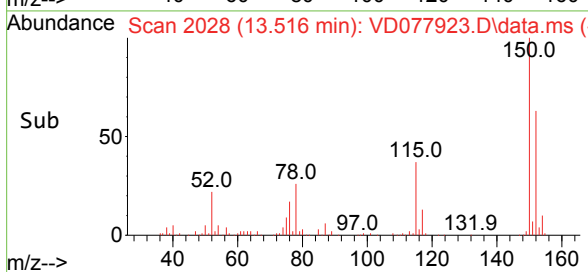
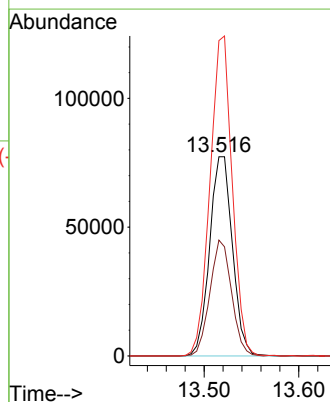
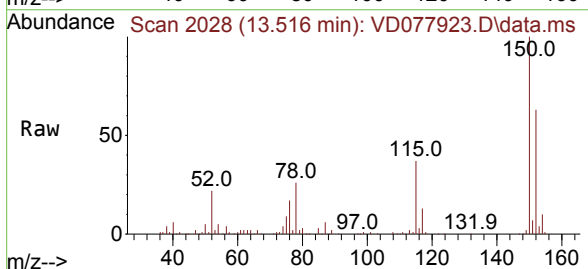
Instrument :
MSVOA_D
ClientSampleId :

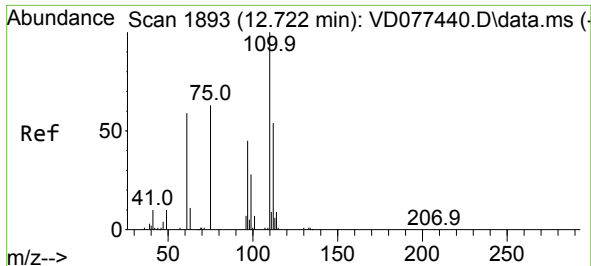
Tgt Ion:112 Resp: 183
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD077923.D
Acq: 16 Dec 2023 02:17

Tgt Ion:152 Resp: 129858
Ion Ratio Lower Upper
152 100
115 55.1 27.1 81.3
150 155.8 0.0 353.6

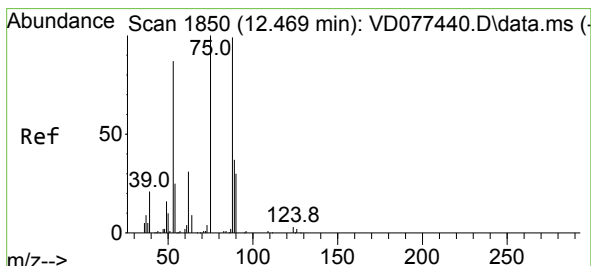
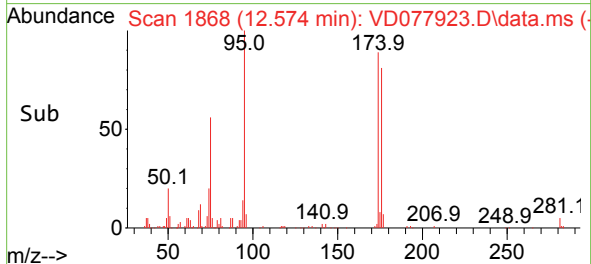
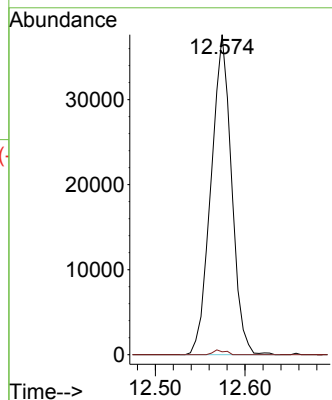
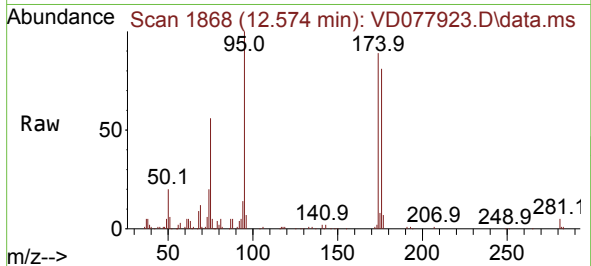




#76
1,2,3-Trichloropropane
Concen: 53.037 ug/l
RT: 12.574 min Scan# 1868
Delta R.T. -0.148 min
Lab File: VD077923.D
Acq: 16 Dec 2023 02:17

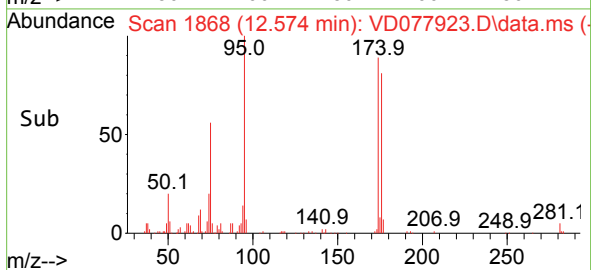
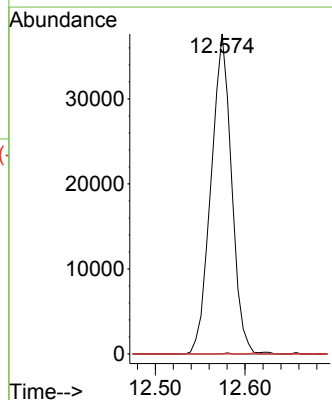
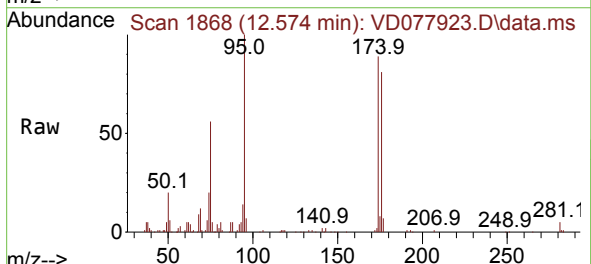
Instrument :
MSVOA_D
ClientSampleId :

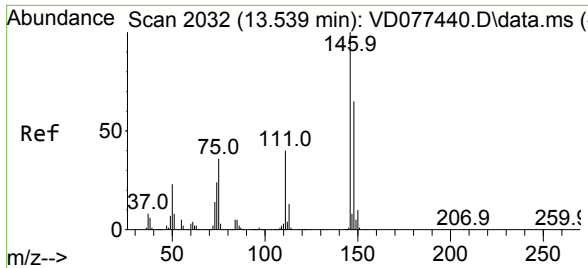
Tgt Ion: 75 Resp: 59816
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.456 ug/l
RT: 12.574 min Scan# 1868
Delta R.T. 0.105 min
Lab File: VD077923.D
Acq: 16 Dec 2023 02:17

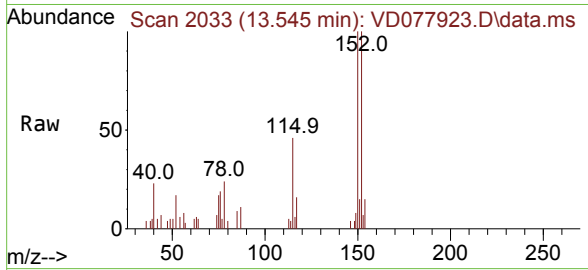
Tgt Ion: 75 Resp: 59816
Ion Ratio Lower Upper
75 100
53 0.1 63.0 94.4#
89 0.0 37.9 56.9#





#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.545 min Scan# 2033
 Delta R.T. 0.006 min
 Lab File: VD077923.D
 Acq: 16 Dec 2023 02:17

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	146	Resp:	67
Ion	Ratio	Lower	Upper
146	100		
111	0.0	17.4	52.3#
148	0.0	31.7	95.1#

