

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062921\
 Data File : VX023013.D
 Acq On : 29 Jun 2021 19:04
 Operator : JC/MD
 Sample : M2889-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-3

Quant Time: Jun 30 01:45:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 19:12:26 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	54493	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	112336	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	97791	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	36214	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	53521	54.120	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	108.240%
35) Dibromofluoromethane	5.391	113	35019	49.090	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.180%
50) Toluene-d8	8.653	98	141729	50.694	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.380%
62) 4-Bromofluorobenzene	11.085	95	48076	46.076	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.160%

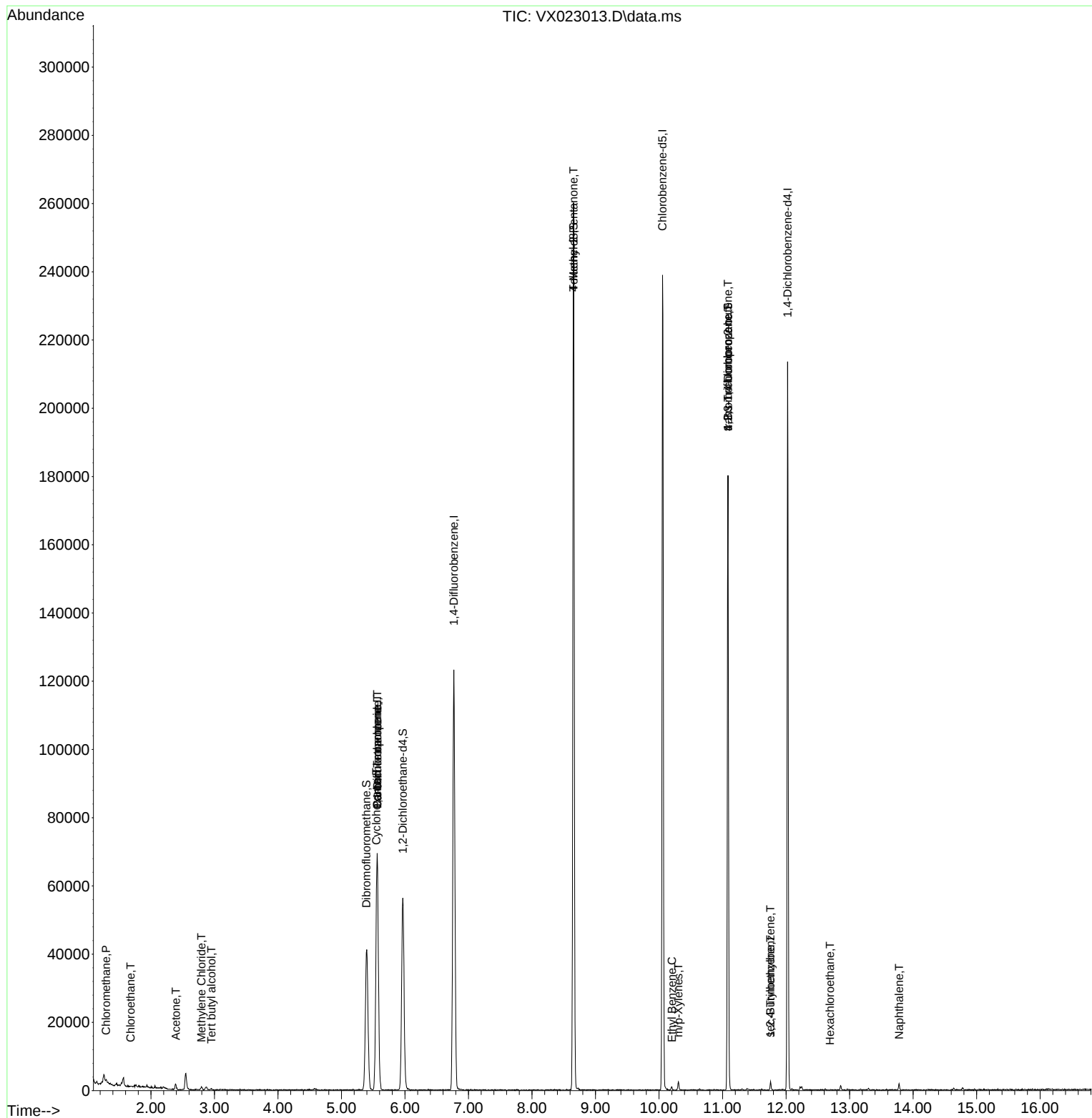
Target Compounds						Qvalue
3) Chloromethane	1.294	50	312	0.370	ug/l	98
6) Chloroethane	1.678	64	120	0.249	ug/l	# 43
11) Tert butyl alcohol	2.952	59	78	0.378	ug/l	# 73
16) Acetone	2.392	43	1651	3.766	ug/l	94
20) Methylene Chloride	2.794	84	287	0.700	ug/l	# 55
31) Cyclohexane	5.550	56	1907	1.366	ug/l	# 52
36) 1,1-Dichloropropene	5.562	75	6184	5.183	ug/l	# 48
38) Carbon Tetrachloride	5.562	117	6804	6.799	ug/l	# 17
51) 4-Methyl-2-Pentanone	8.653	43	763	0.552	ug/l	# 1
67) Ethyl Benzene	10.201	91	861	0.227	ug/l	89
68) m/p-Xylenes	10.305	106	555	0.394	ug/l	83
76) 1,2,3-Trichloropropane	11.085	75	27190	28.425	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.085	75	27190	73.290	ug/l	# 12
84) 1,2,4-Trimethylbenzene	11.756	105	1245	0.492	ug/l	99
85) sec-Butylbenzene	11.756	105	1245	0.389	ug/l	# 57
90) Hexachloroethane	12.695	117	95	3.897	ug/l	# 9
95) Naphthalene	13.780	128	1357	2.365	ug/l	# 88

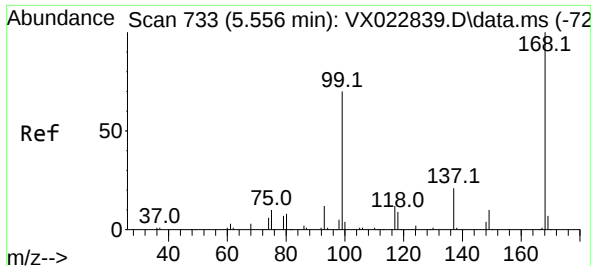
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

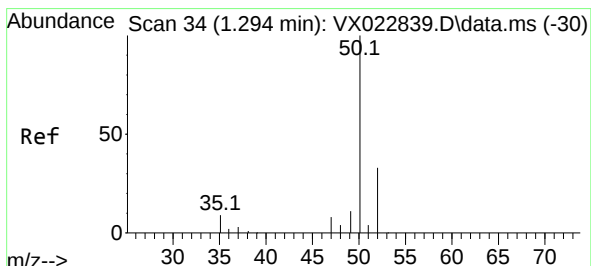
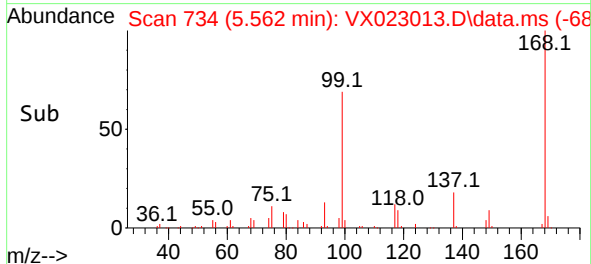
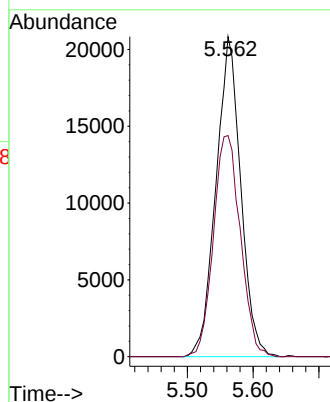
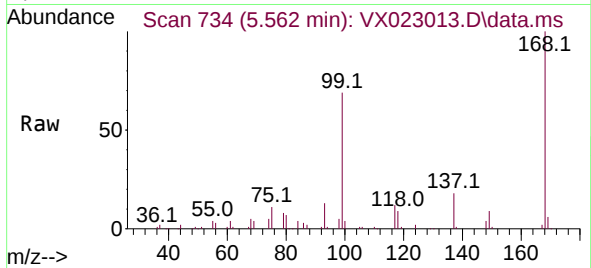




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX023013.D
Acq: 29 Jun 2021 19:04

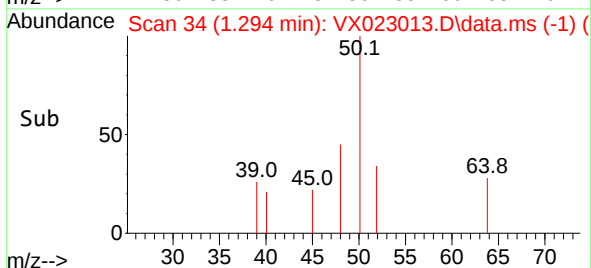
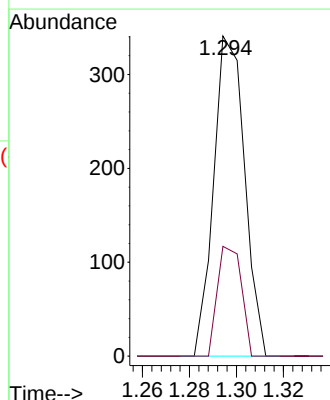
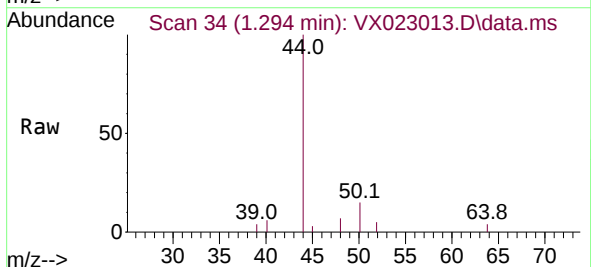
Instrument :
MSVOA_X
ClientSampled :
TW-3

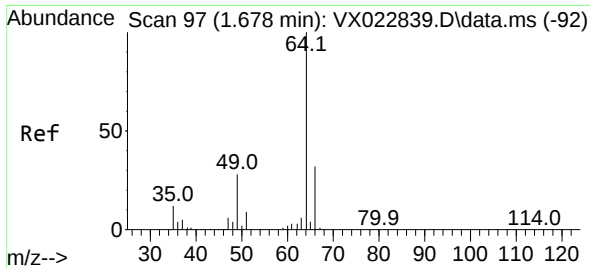
Tgt Ion:168 Resp: 54493
Ion Ratio Lower Upper
168 100
99 69.1 45.8 68.6#



#3
Chloromethane
Concen: 0.370 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX023013.D
Acq: 29 Jun 2021 19:04

Tgt Ion: 50 Resp: 312
Ion Ratio Lower Upper
50 100
52 34.3 26.4 39.6

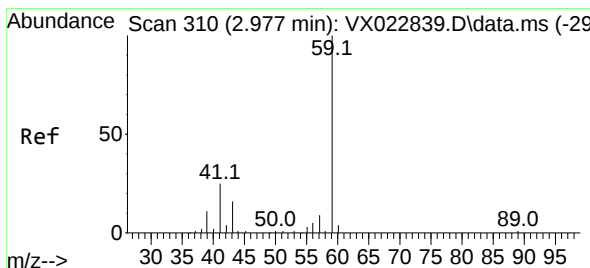
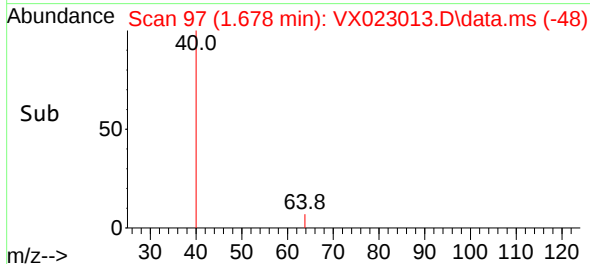
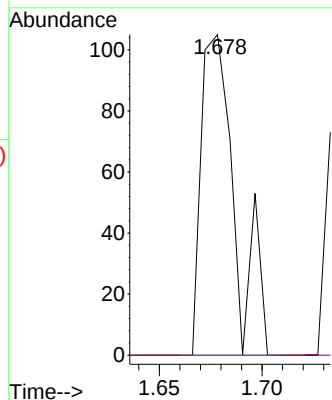
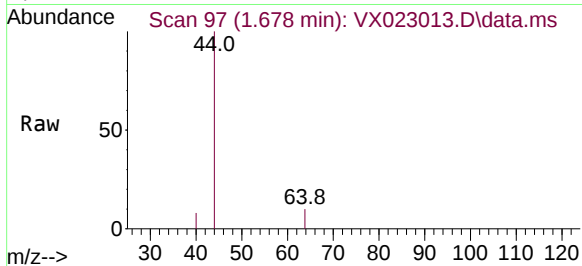




#6
Chloroethane
Concen: 0.249 ug/l
RT: 1.678 min Scan# 97
Delta R.T. 0.000 min
Lab File: VX023013.D
Acq: 29 Jun 2021 19:04

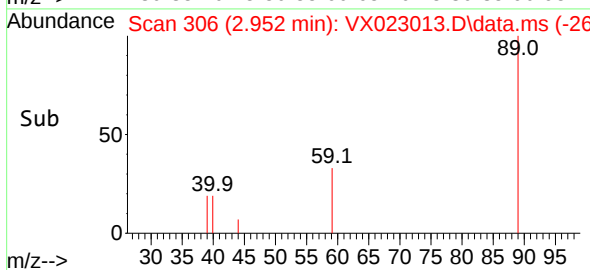
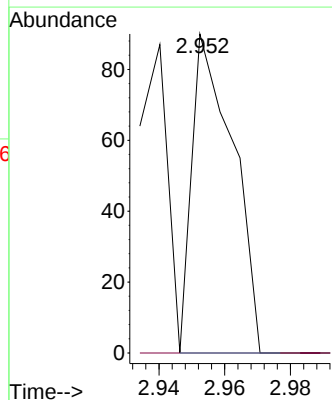
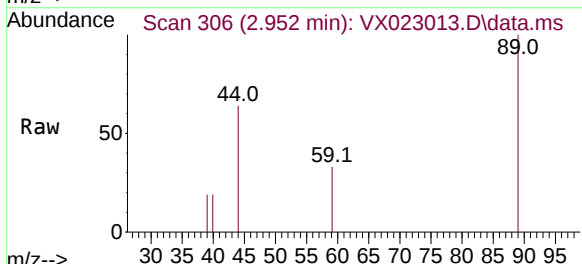
Instrument :
MSVOA_X
ClientSampled :
TW-3

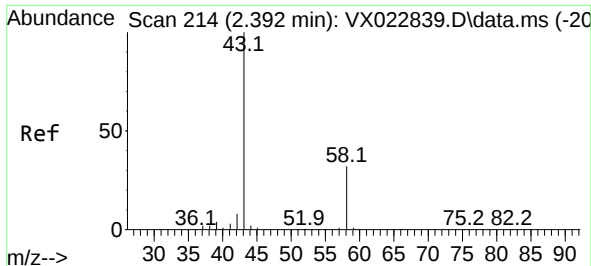
Tgt Ion: 64 Resp: 120
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 0.378 ug/l
RT: 2.952 min Scan# 306
Delta R.T. -0.025 min
Lab File: VX023013.D
Acq: 29 Jun 2021 19:04

Tgt Ion: 59 Resp: 78
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

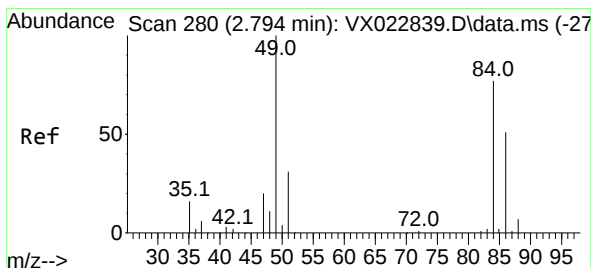
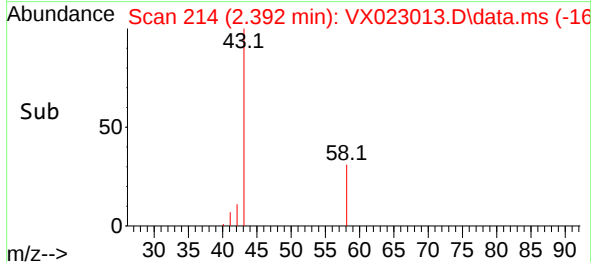
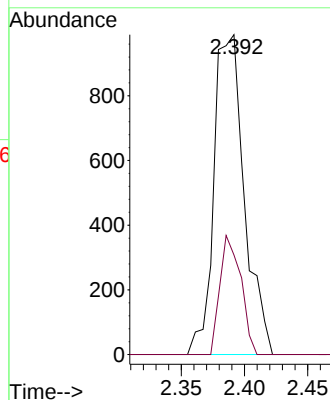
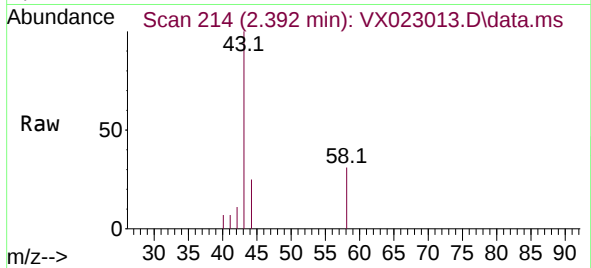




#16
Acetone
Concen: 3.766 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023013.D
Acq: 29 Jun 2021 19:04

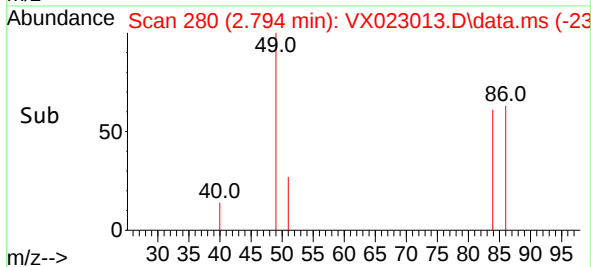
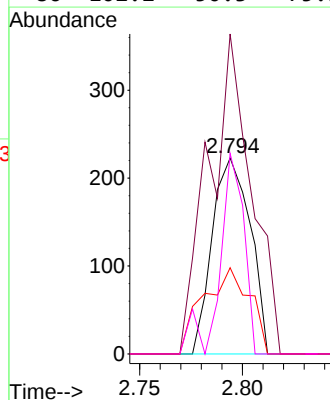
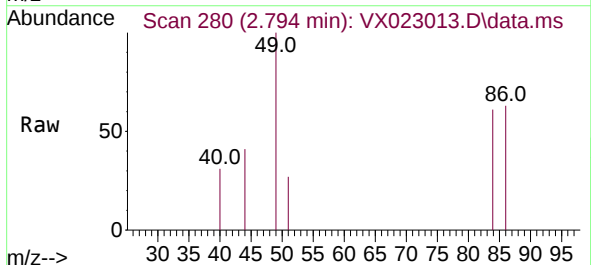
Instrument :
MSVOA_X
ClientSampleId :
TW-3

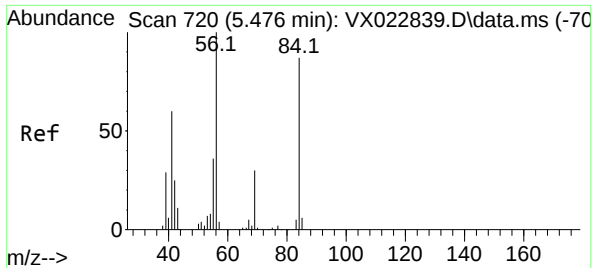
Tgt Ion: 43 Resp: 1651
Ion Ratio Lower Upper
43 100
58 31.1 27.8 41.8



#20
Methylene Chloride
Concen: 0.700 ug/l
RT: 2.794 min Scan# 280
Delta R.T. -0.000 min
Lab File: VX023013.D
Acq: 29 Jun 2021 19:04

Tgt Ion: 84 Resp: 287
Ion Ratio Lower Upper
84 100
49 163.2 88.6 132.8#
51 43.9 27.0 40.6#
86 102.2 50.3 75.5#

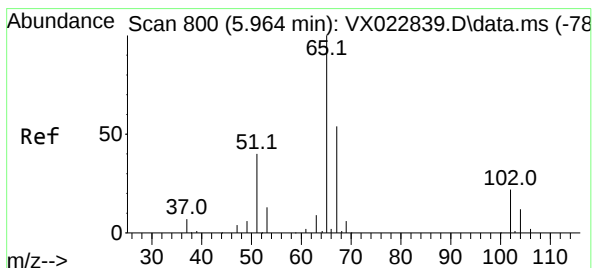
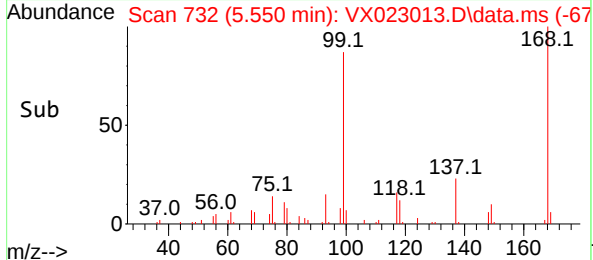
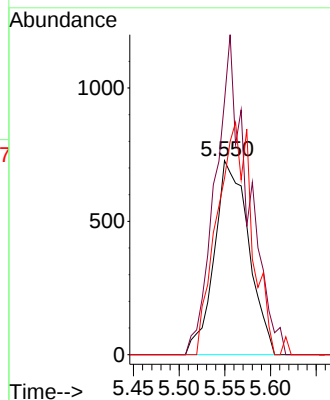
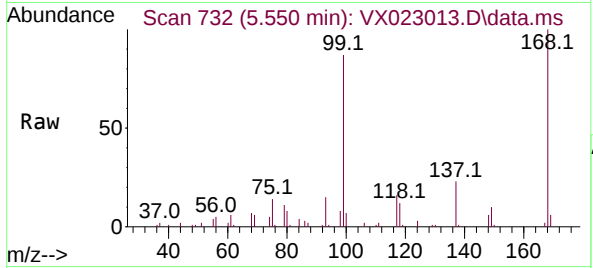




#31
Cyclohexane
Concen: 1.366 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.074 min
Lab File: VX023013.D
Acq: 29 Jun 2021 19:04

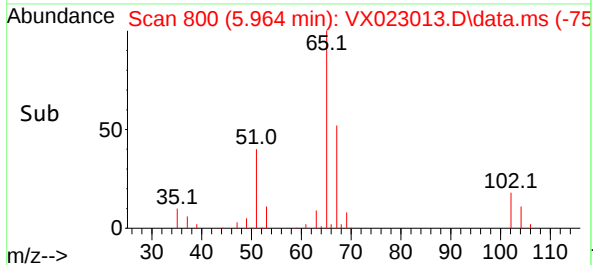
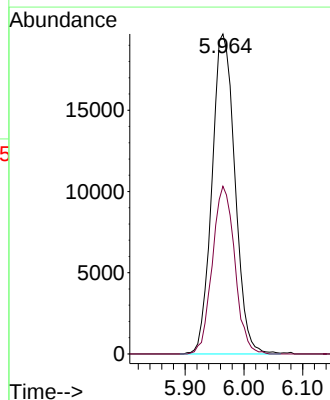
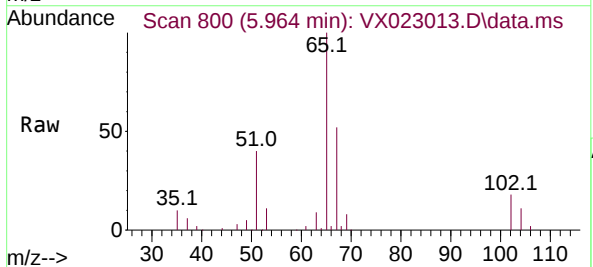
Instrument :
MSVOA_X
ClientSampled :
TW-3

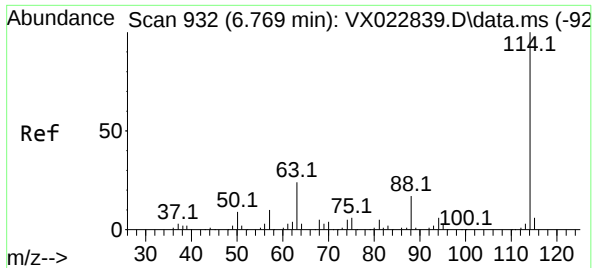
Tgt Ion: 56 Resp: 1907
Ion Ratio Lower Upper
56 100
69 130.8 25.3 37.9#
84 90.9 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 54.120 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023013.D
Acq: 29 Jun 2021 19:04

Tgt Ion: 65 Resp: 53521
Ion Ratio Lower Upper
65 100
67 51.2 0.0 105.4

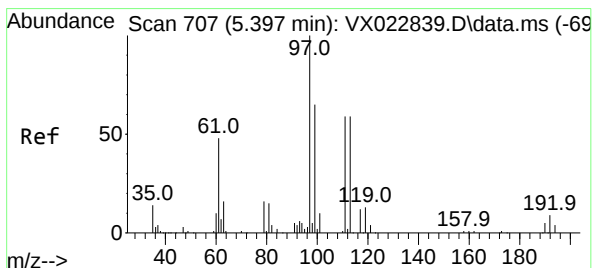
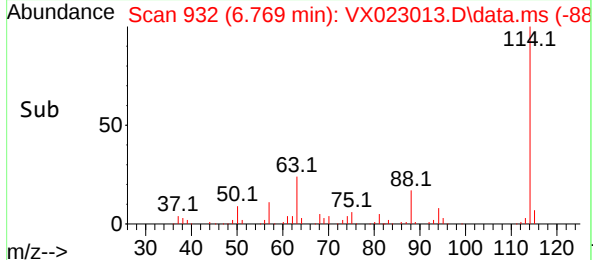
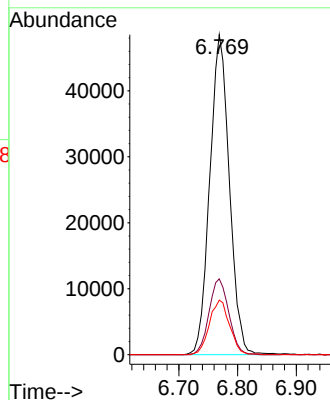
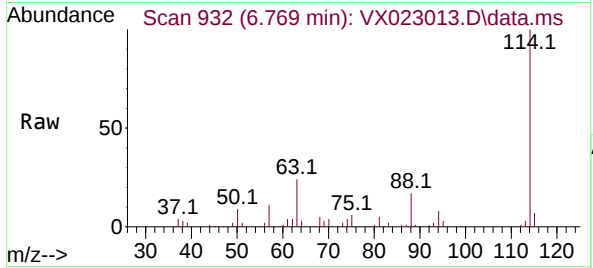




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023013.D
Acq: 29 Jun 2021 19:04

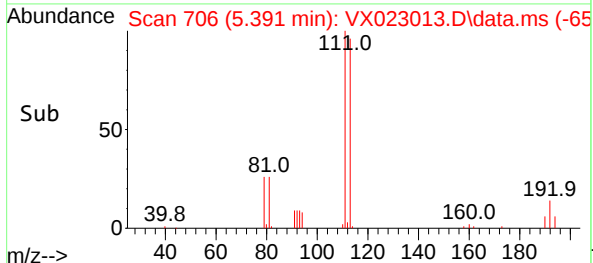
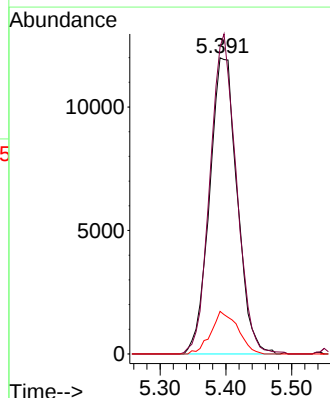
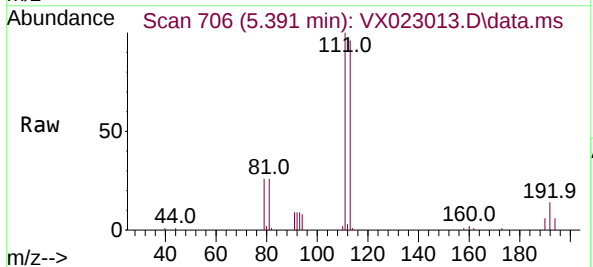
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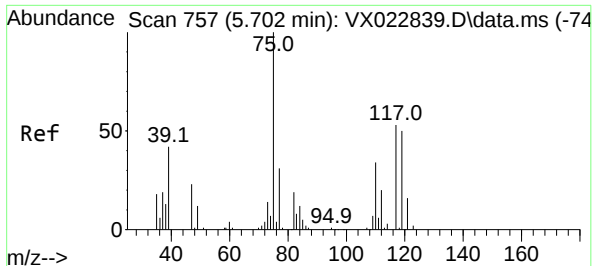
Tgt Ion:114 Resp: 112336
Ion Ratio Lower Upper
114 100
63 23.7 0.0 40.8
88 17.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.090 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX023013.D
Acq: 29 Jun 2021 19:04

Tgt Ion:113 Resp: 35019
Ion Ratio Lower Upper
113 100
111 103.1 81.9 122.9
192 14.0 16.7 25.1#





#36

1,1-Dichloropropene

Concen: 5.183 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX023013.D

Acq: 29 Jun 2021 19:04

Tgt Ion: 75 Resp: 6184

Ion Ratio Lower Upper

75 100

110 7.7 18.1 54.4#

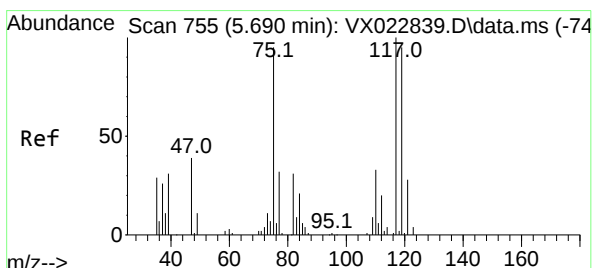
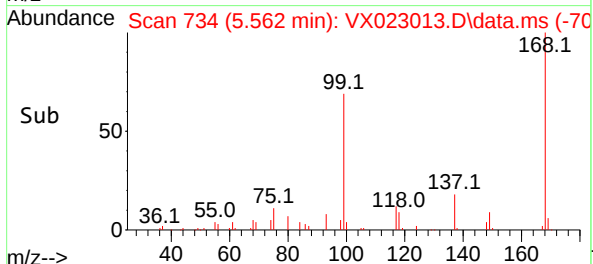
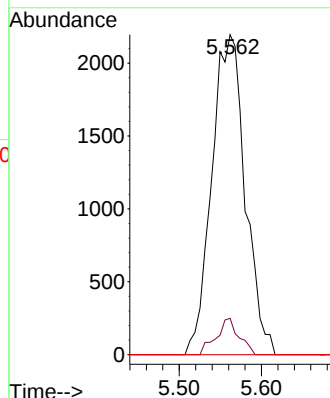
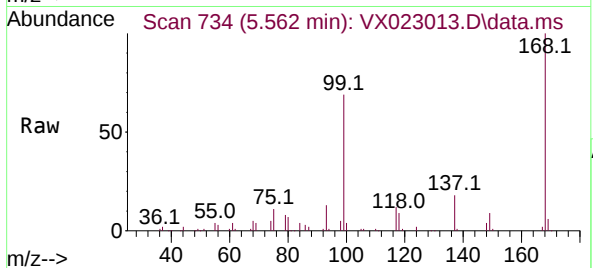
77 0.0 25.3 37.9#

Instrument :

MSVOA_X

ClientSampled :

TW-3



#38

Carbon Tetrachloride

Concen: 6.799 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.128 min

Lab File: VX023013.D

Acq: 29 Jun 2021 19:04

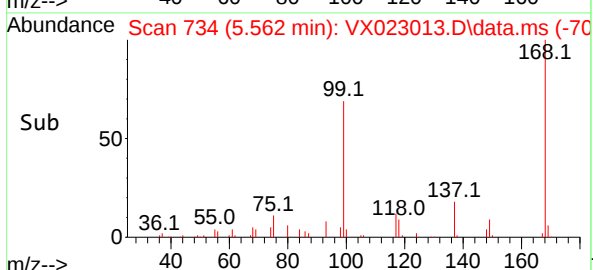
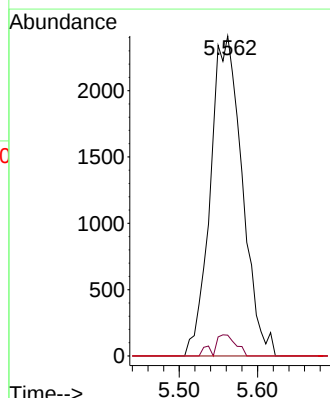
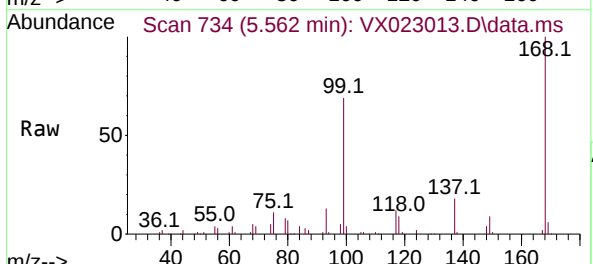
Tgt Ion: 117 Resp: 6804

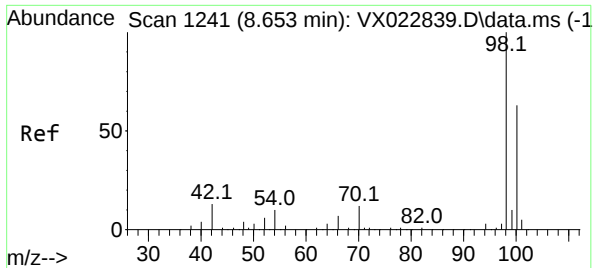
Ion Ratio Lower Upper

117 100

119 6.5 76.2 114.2#

121 0.0 24.8 37.2#

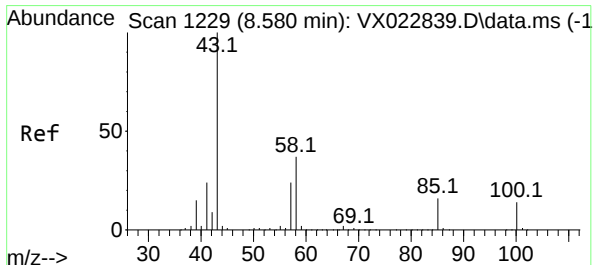
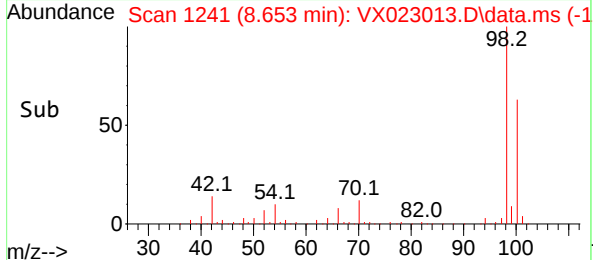
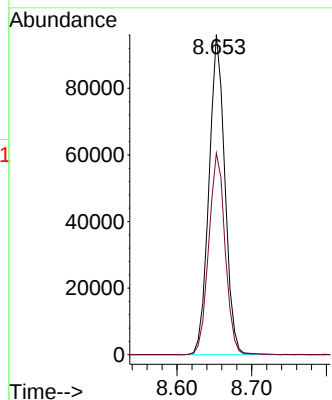
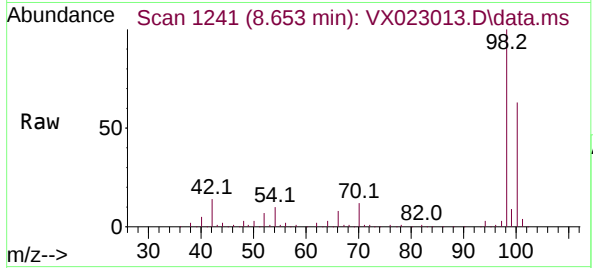




#50
Toluene-d8
Concen: 50.694 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023013.D
Acq: 29 Jun 2021 19:04

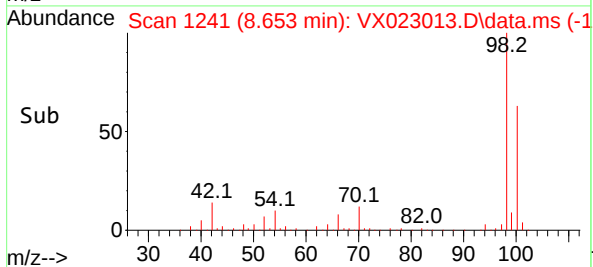
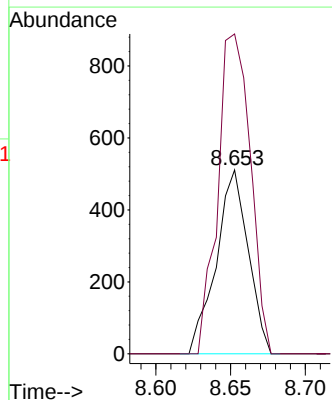
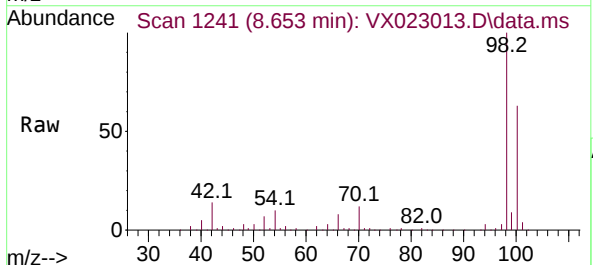
Instrument :
MSVOA_X
ClientSampled :
TW-3

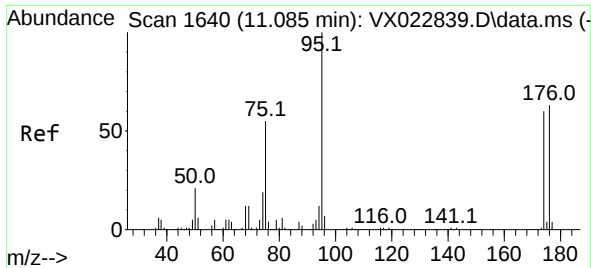
Tgt Ion: 98 Resp: 141729
Ion Ratio Lower Upper
98 100
100 65.0 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.552 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX023013.D
Acq: 29 Jun 2021 19:04

Tgt Ion: 43 Resp: 763
Ion Ratio Lower Upper
43 100
58 177.2 35.4 53.0#

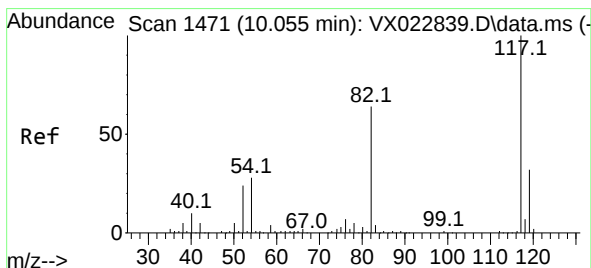
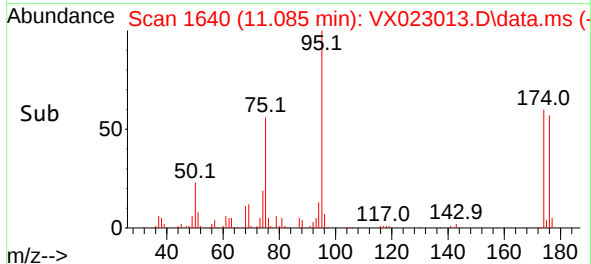
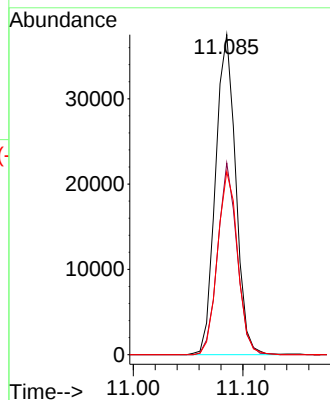
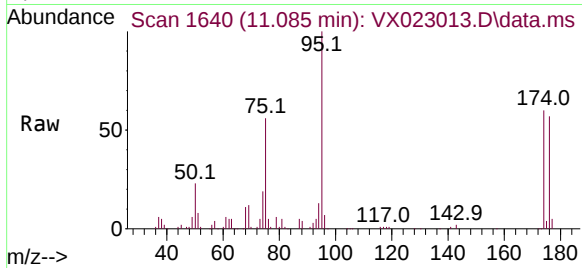




#62
4-Bromofluorobenzene
Concen: 46.076 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023013.D
Acq: 29 Jun 2021 19:04

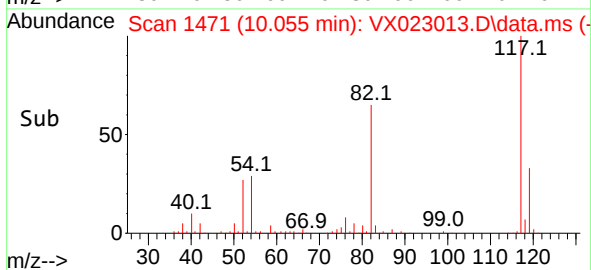
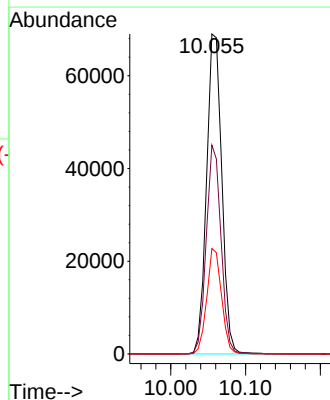
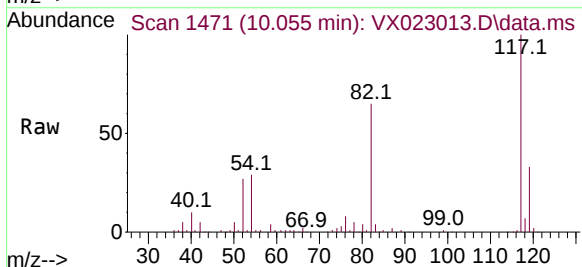
Instrument :
MSVOA_X
ClientSampleId :
TW-3

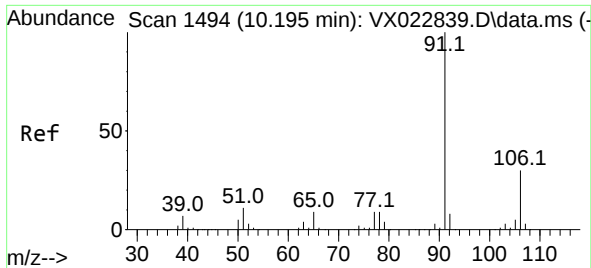
Tgt Ion: 95 Resp: 48076
Ion Ratio Lower Upper
95 100
174 57.4 0.0 154.6
176 57.2 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX023013.D
Acq: 29 Jun 2021 19:04

Tgt Ion: 117 Resp: 97791
Ion Ratio Lower Upper
117 100
82 65.3 47.4 71.2
119 33.0 26.6 39.8

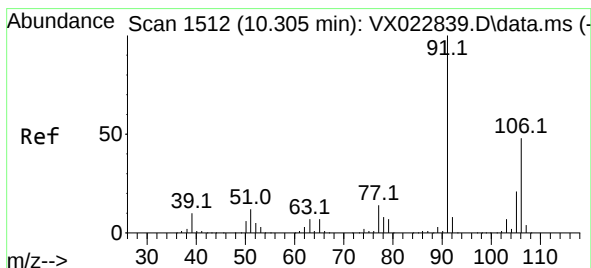
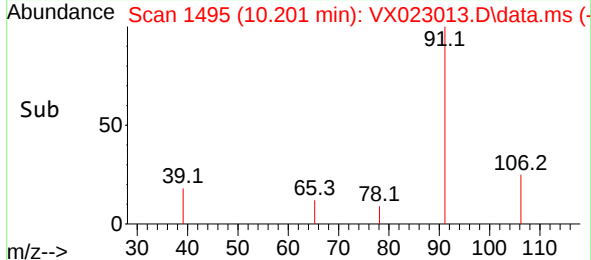
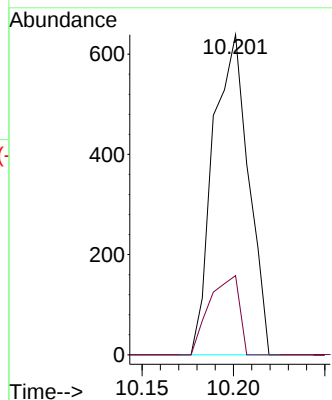
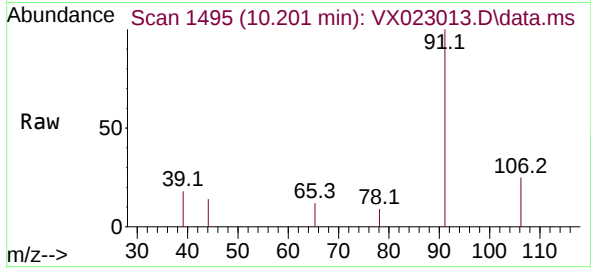




#67
Ethyl Benzene
Concen: 0.227 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX023013.D
Acq: 29 Jun 2021 19:04

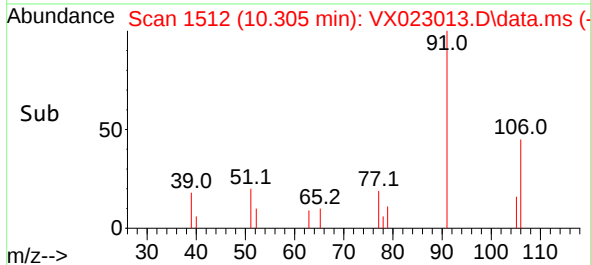
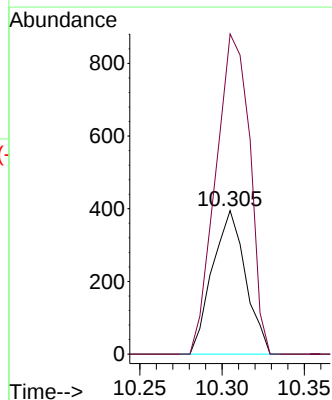
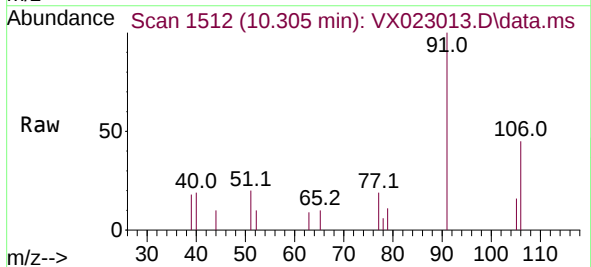
Instrument :
MSVOA_X
ClientSampled :
TW-3

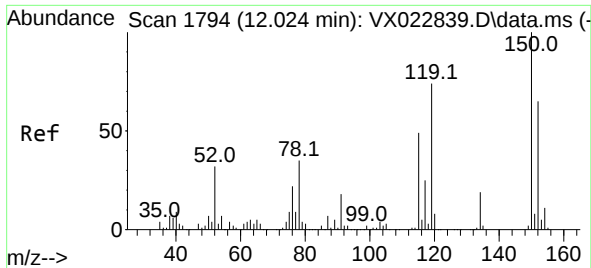
Tgt Ion: 91 Resp: 861
Ion Ratio Lower Upper
91 100
106 24.7 24.6 37.0



#68
m/p-Xylenes
Concen: 0.394 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX023013.D
Acq: 29 Jun 2021 19:04

Tgt Ion: 106 Resp: 555
Ion Ratio Lower Upper
106 100
91 229.0 162.8 244.2

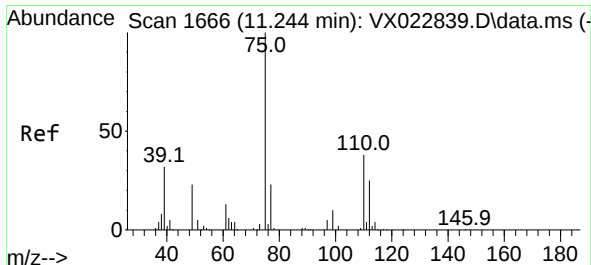
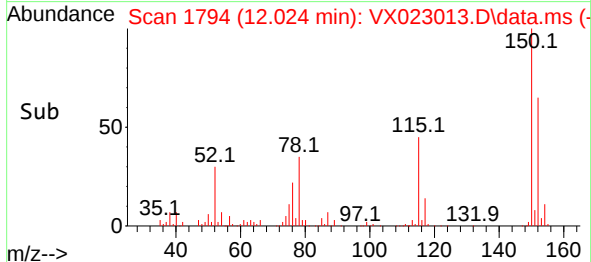
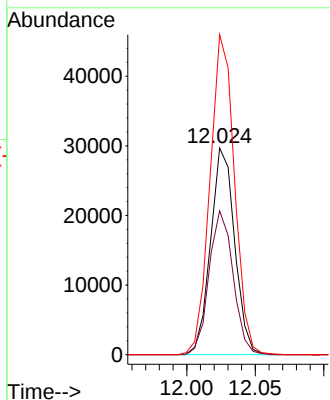
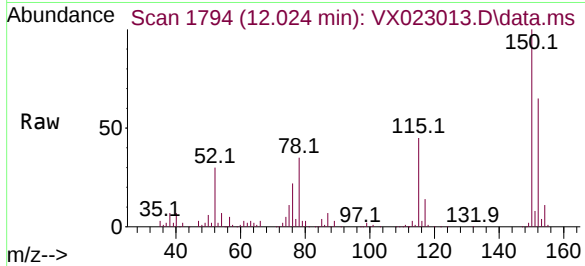




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023013.D
 Acq: 29 Jun 2021 19:04

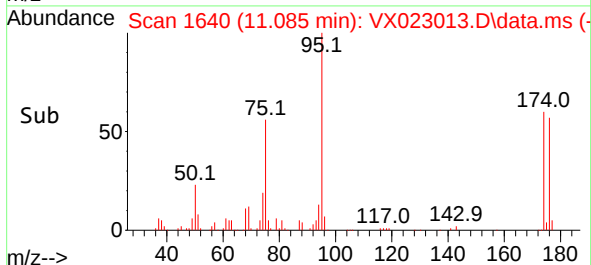
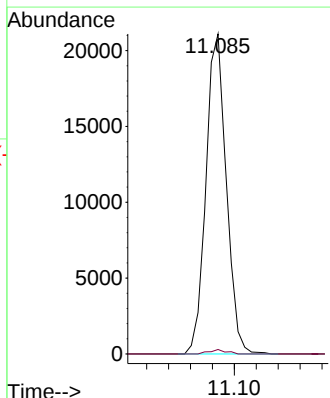
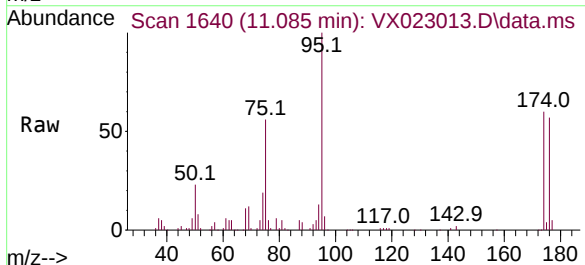
Instrument :
 MSVOA_X
 ClientSampled :
 TW-3

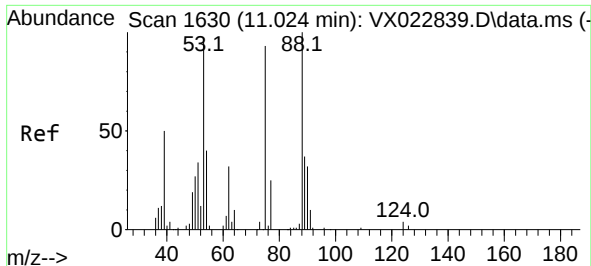
Tgt Ion:152 Resp: 36214
 Ion Ratio Lower Upper
 152 100
 115 69.7 41.1 123.3
 150 157.3 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 28.425 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023013.D
 Acq: 29 Jun 2021 19:04

Tgt Ion: 75 Resp: 27190
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#

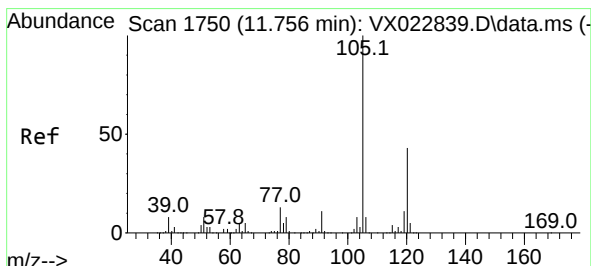
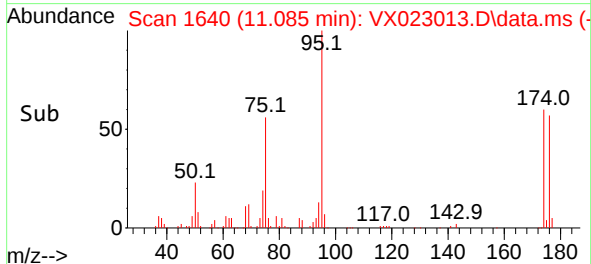
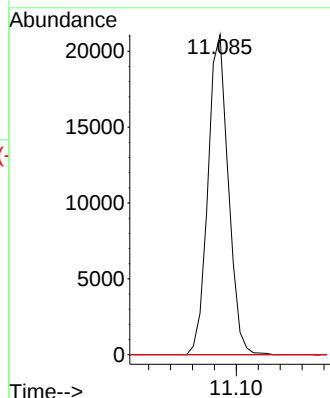
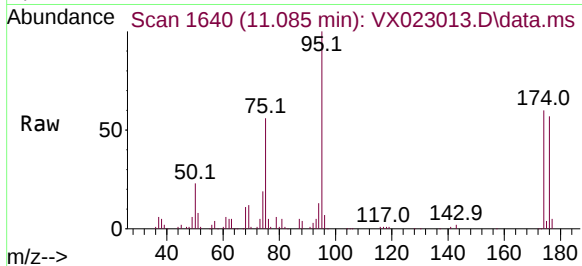




#81
trans-1,4-Dichloro-2-butene
Concen: 73.290 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023013.D
Acq: 29 Jun 2021 19:04

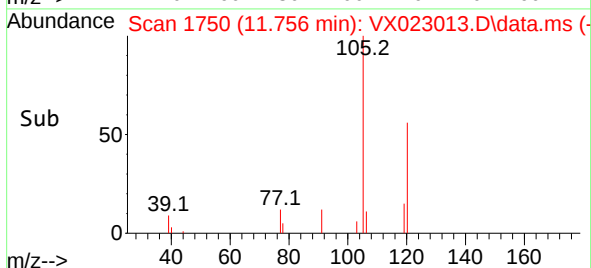
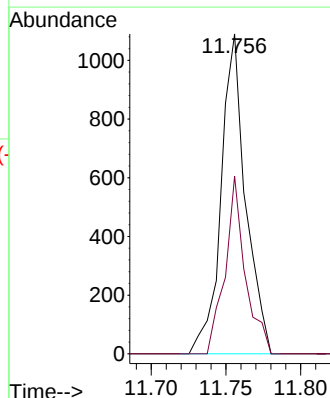
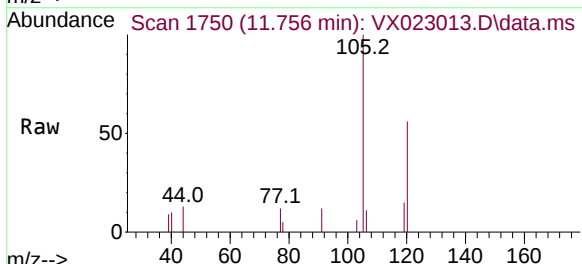
Instrument :
MSVOA_X
ClientSampled :
TW-3

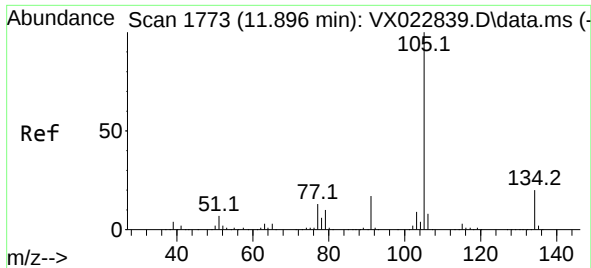
Tgt Ion: 75 Resp: 27190
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#84
1,2,4-Trimethylbenzene
Concen: 0.492 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX023013.D
Acq: 29 Jun 2021 19:04

Tgt Ion: 105 Resp: 1245
Ion Ratio Lower Upper
105 100
120 45.5 22.4 67.3

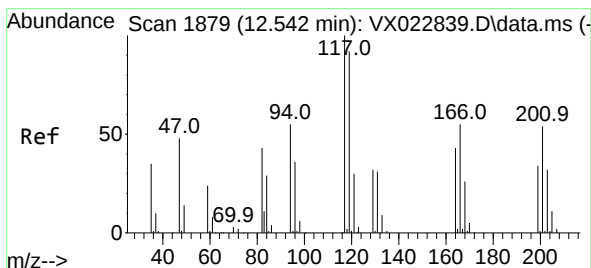
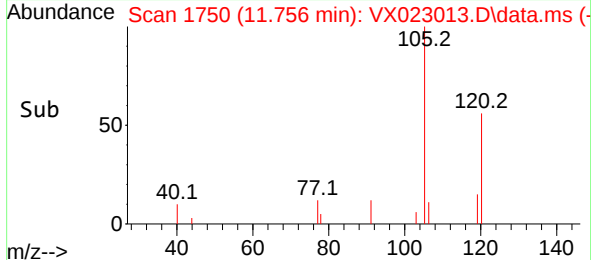
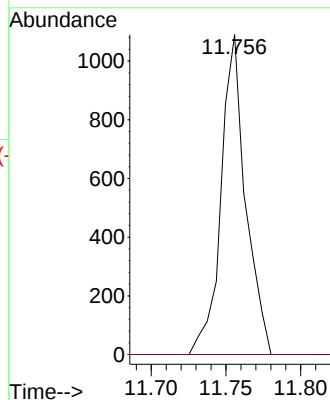
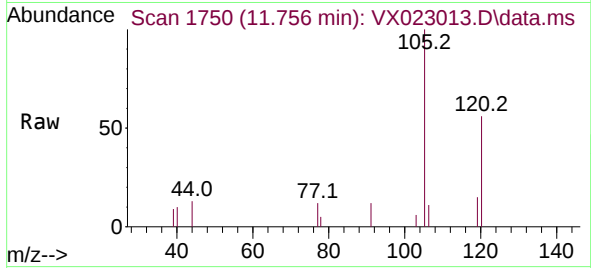




#85
 sec-Butylbenzene
 Concen: 0.389 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. -0.140 min
 Lab File: VX023013.D
 Acq: 29 Jun 2021 19:04

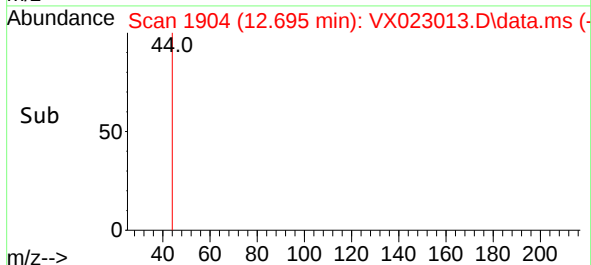
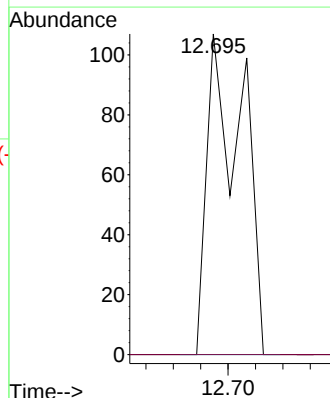
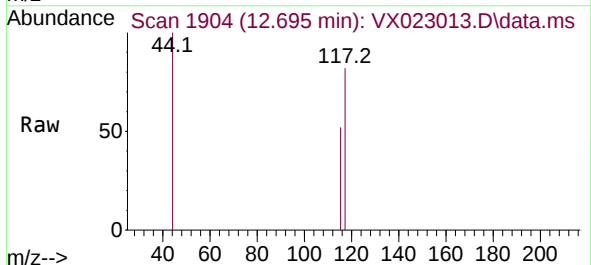
Instrument :
 MSVOA_X
 ClientSampleId :
 TW-3

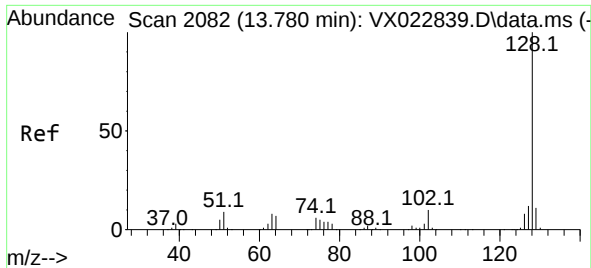
Tgt Ion:105 Resp: 1245
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.0 29.8#



#90
 Hexachloroethane
 Concen: 3.897 ug/l
 RT: 12.695 min Scan# 1904
 Delta R.T. 0.153 min
 Lab File: VX023013.D
 Acq: 29 Jun 2021 19:04

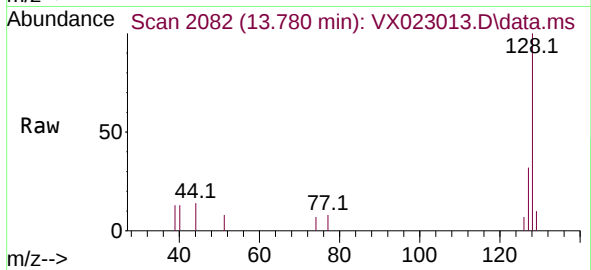
Tgt Ion:117 Resp: 95
 Ion Ratio Lower Upper
 117 100
 201 0.0 40.4 121.2#





#95
Naphthalene
Concen: 2.365 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023013.D
Acq: 29 Jun 2021 19:04

Instrument :
MSVOA_X
ClientSampleId :
TW-3



Tgt Ion:	128	Resp:	1357
Ion	Ratio	Lower	Upper
128	100		
127	18.4	10.3	15.5#
129	7.2	8.8	13.2#

