

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082621\
 Data File : VX023972.D
 Acq On : 26 Aug 2021 17:54
 Operator : JC/MD
 Sample : M3535-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 27 05:58:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

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

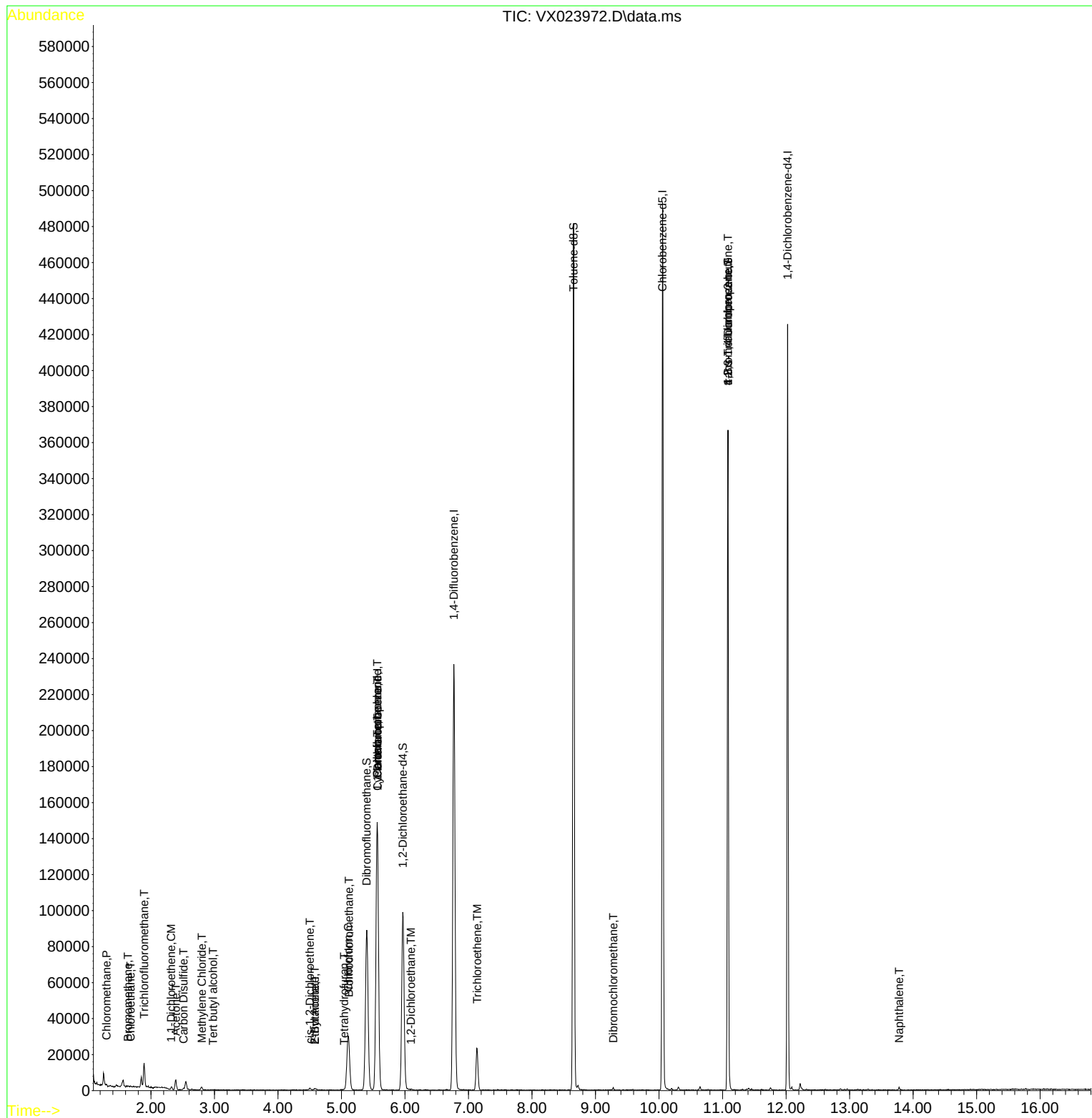
Internal Standards						
1) Pentafluorobenzene	5.562	168	137809	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	235180	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	214032	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	82065	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	98358	51.138	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.280%	
35) Dibromofluoromethane	5.397	113	76143	48.916	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.840%	
50) Toluene-d8	8.653	98	276300	46.637	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 93.280%	
62) 4-Bromofluorobenzene	11.085	95	90884	41.671	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 83.340%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	389	0.244	ug/l	93
5) Bromomethane	1.636	94	445	0.455	ug/l #	42
6) Chloroethane	1.679	64	67	2.267	ug/l #	43
7) Trichlorofluoromethane	1.892	101	8427	3.428	ug/l	98
11) Tert butyl alcohol	2.977	59	550	1.414	ug/l #	73
12) 1,1-Dichloroethene	2.319	96	519	0.392	ug/l	82
16) Acetone	2.392	43	5670	6.593	ug/l	99
17) Carbon Disulfide	2.514	76	1258	0.399	ug/l	95
20) Methylene Chloride	2.800	84	704	0.429	ug/l #	87
25) 2-Butanone	4.580	43	1400	1.075	ug/l #	80
27) cis-1,2-Dichloroethene	4.501	96	572	0.340	ug/l	75
28) Bromochloromethane	5.117	49	3263	2.656	ug/l #	9
29) Tetrahydrofuran	5.044	42	383	0.454	ug/l #	32
30) Chloroform	5.105	83	36058	12.605	ug/l	99
31) Cyclohexane	5.568	56	3161	1.279	ug/l #	32
36) 1,1-Dichloropropene	5.568	75	11141	5.115	ug/l #	44
37) Ethyl Acetate	4.580	43	1400	0.523	ug/l #	64
38) Carbon Tetrachloride	5.562	117	14500	6.385	ug/l #	17
42) 1,2-Dichloroethane	6.092	62	613	0.242	ug/l #	73
44) Trichloroethene	7.135	130	8620	4.845	ug/l	98
60) Dibromochloromethane	9.281	129	246	1.813	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	49467	25.840	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	49467	76.009	ug/l #	12
95) Naphthalene	13.780	128	1051	1.453	ug/l	96

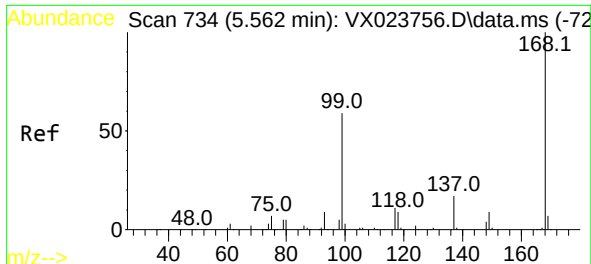
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 17 11:57:51 2021
Response via : Initial Calibration

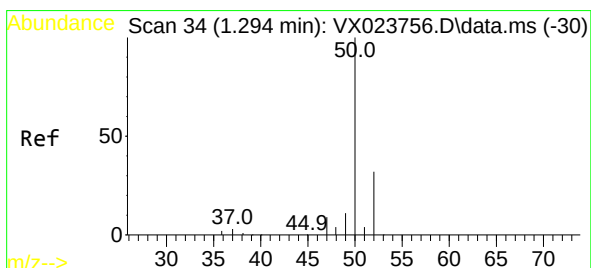
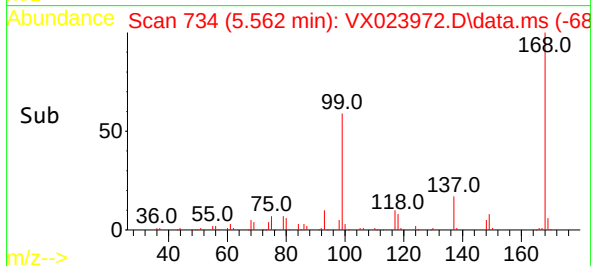
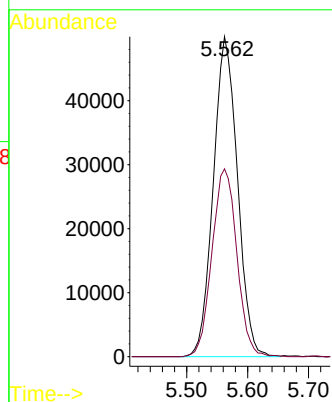
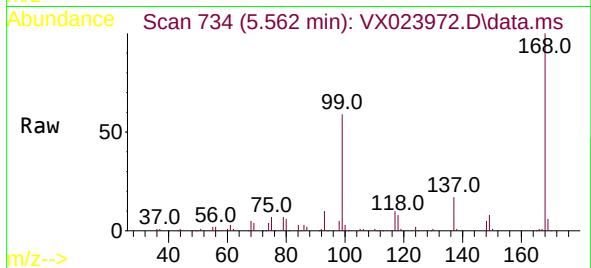




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023972.D
Acq: 26 Aug 2021 17:54

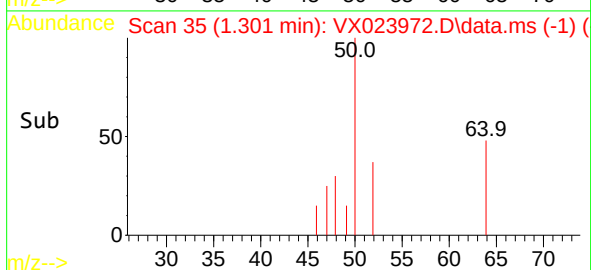
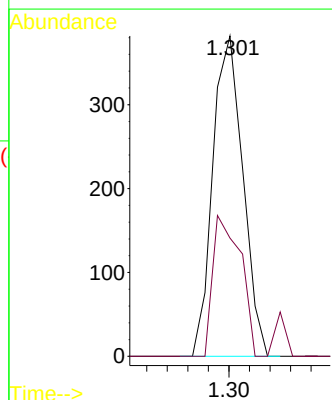
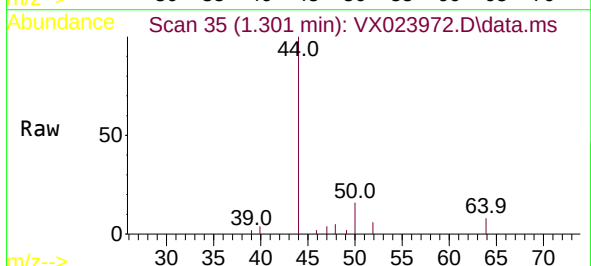
Instrument :
MSVOA_X
ClientSampled :

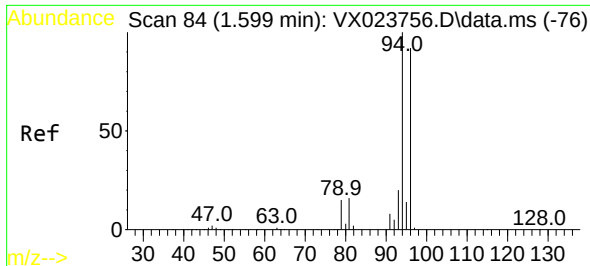
Tgt Ion:168 Resp: 137809
Ion Ratio Lower Upper
168 100
99 58.7 45.8 68.6



#3
Chloromethane
Concen: 0.244 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.007 min
Lab File: VX023972.D
Acq: 26 Aug 2021 17:54

Tgt Ion: 50 Resp: 389
Ion Ratio Lower Upper
50 100
52 36.9 26.4 39.6

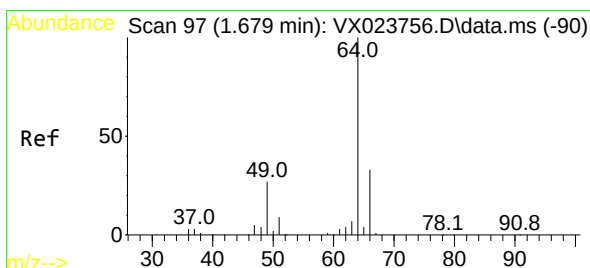
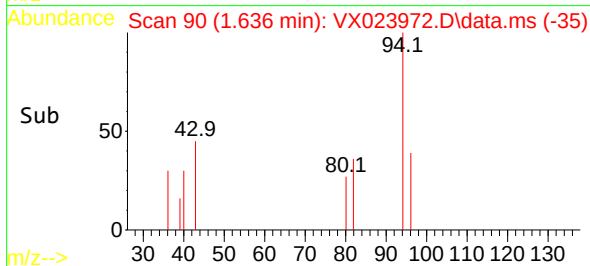
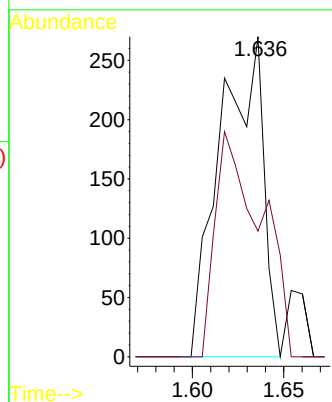
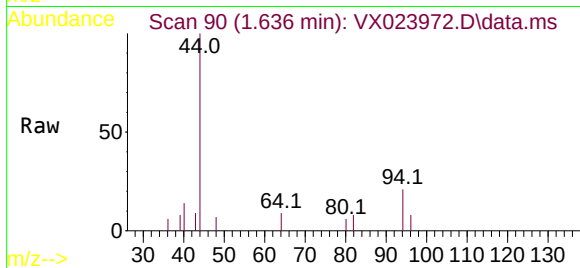




#5
Bromomethane
Concen: 0.455 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.037 min
Lab File: VX023972.D
Acq: 26 Aug 2021 17:54

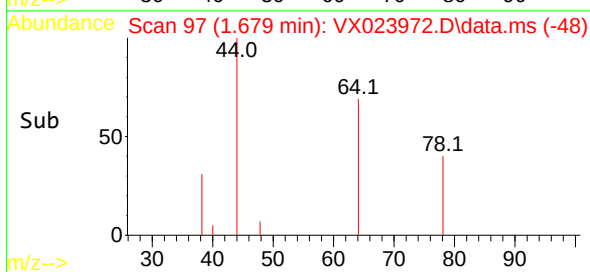
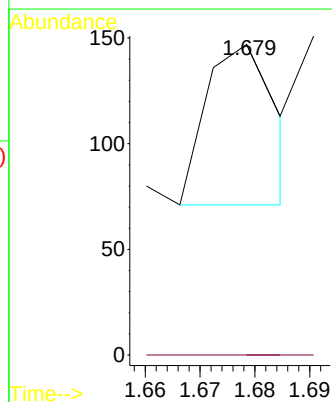
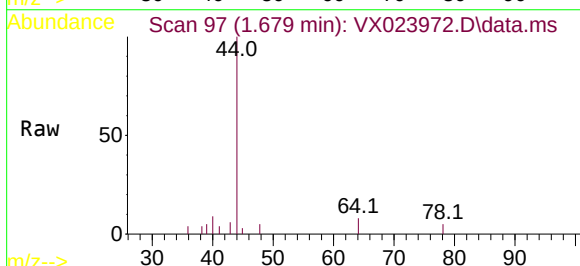
Instrument :
MSVOA_X
ClientSampleId :

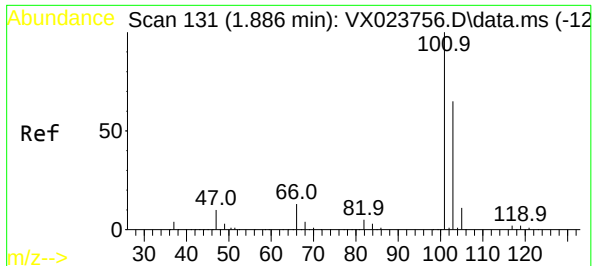
Tgt Ion: 94 Resp: 445
Ion Ratio Lower Upper
94 100
96 39.3 76.4 114.6#



#6
Chloroethane
Concen: 2.267 ug/l
RT: 1.679 min Scan# 97
Delta R.T. -0.000 min
Lab File: VX023972.D
Acq: 26 Aug 2021 17:54

Tgt Ion: 64 Resp: 67
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

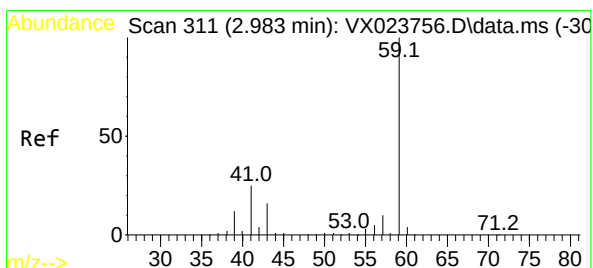
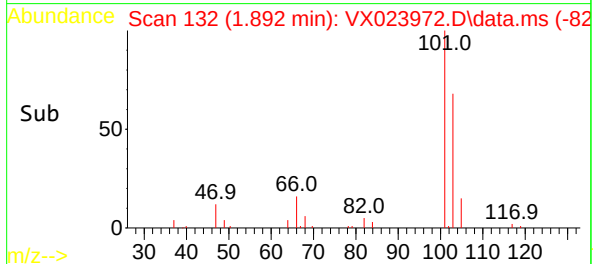
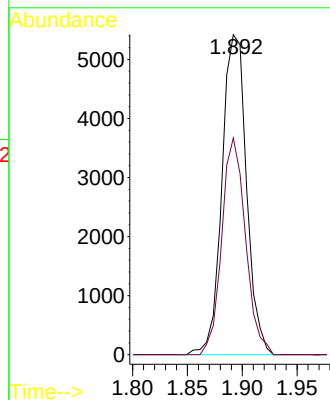
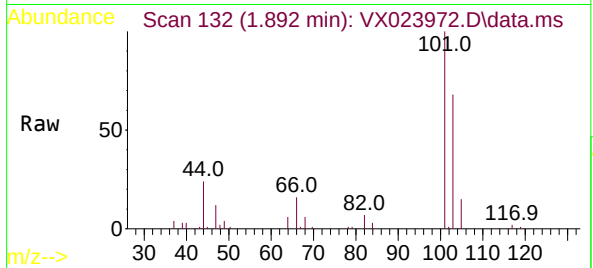




#7
Trichlorofluoromethane
Concen: 3.428 ug/l
RT: 1.892 min Scan# 132
Delta R.T. 0.006 min
Lab File: VX023972.D
Acq: 26 Aug 2021 17:54

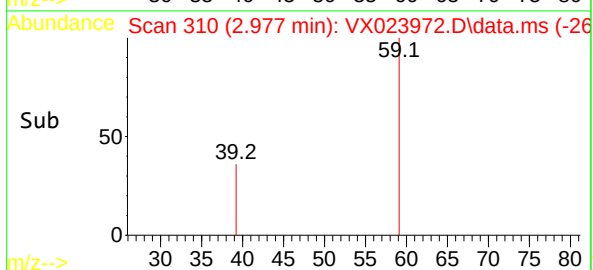
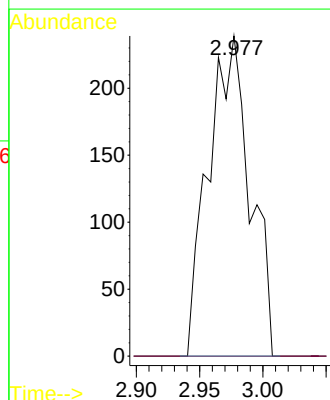
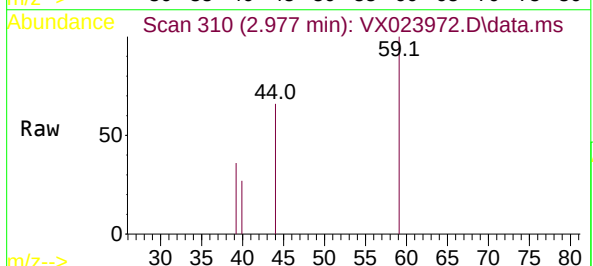
Instrument :
MSVOA_X
ClientSampled :

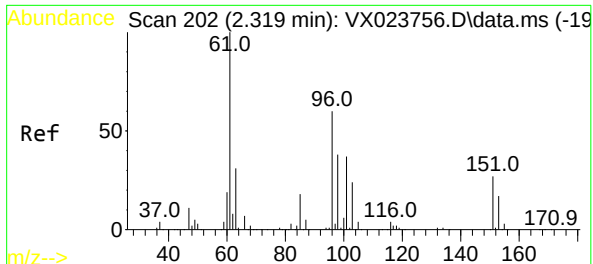
Tgt Ion:101 Resp: 8427
Ion Ratio Lower Upper
101 100
103 67.7 53.2 79.8



#11
Tert butyl alcohol
Concen: 1.414 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX023972.D
Acq: 26 Aug 2021 17:54

Tgt Ion: 59 Resp: 550
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 0.392 ug/l

RT: 2.319 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX023972.D

Acq: 26 Aug 2021 17:54

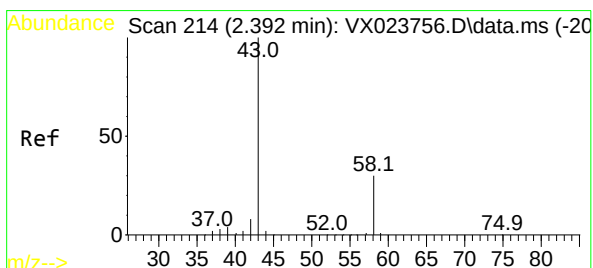
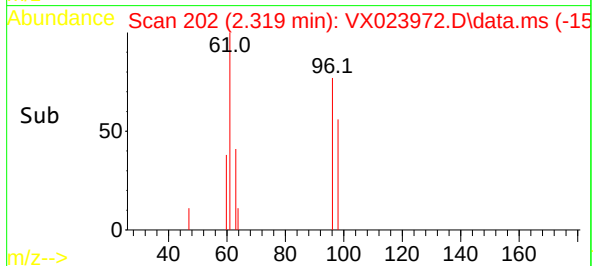
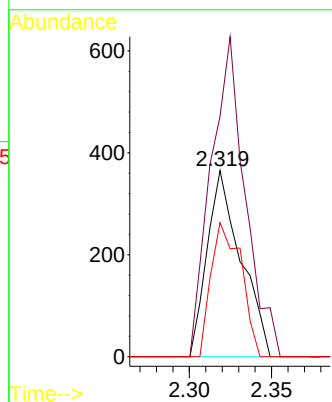
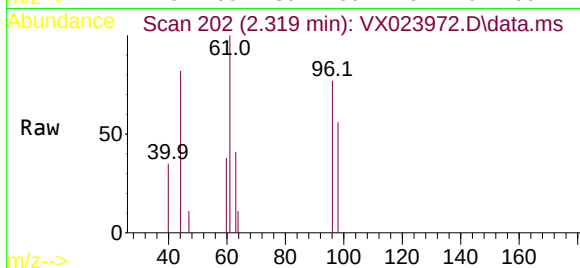
Tgt Ion: 96 Resp: 519

Ion Ratio Lower Upper

96 100

61 129.3 124.6 187.0

98 72.1 50.6 76.0



#16

Acetone

Concen: 6.593 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX023972.D

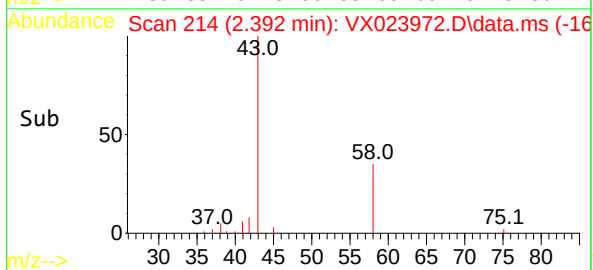
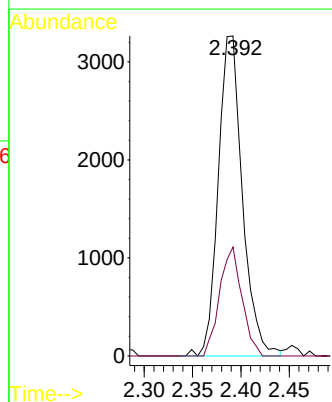
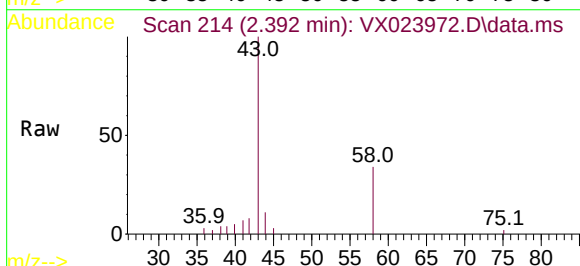
Acq: 26 Aug 2021 17:54

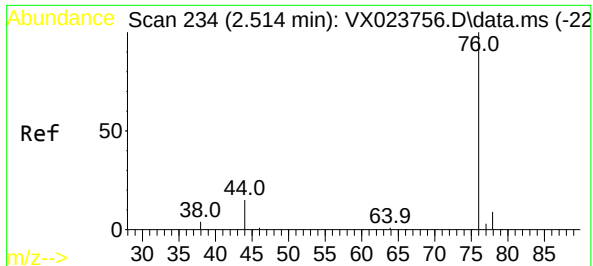
Tgt Ion: 43 Resp: 5670

Ion Ratio Lower Upper

43 100

58 34.1 27.8 41.8

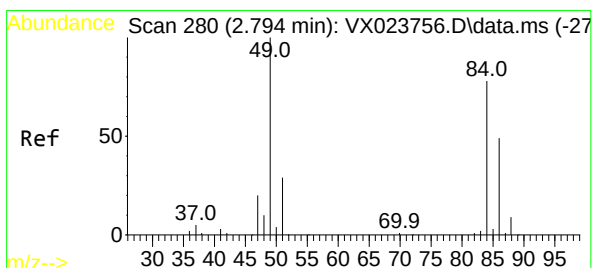
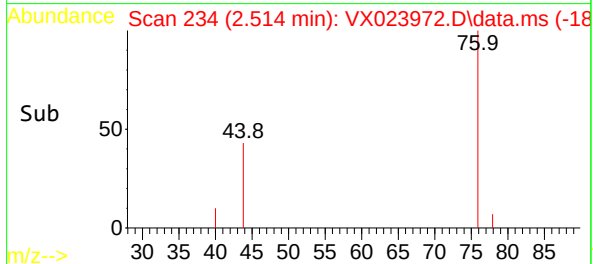
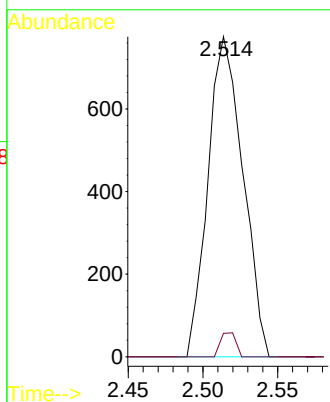
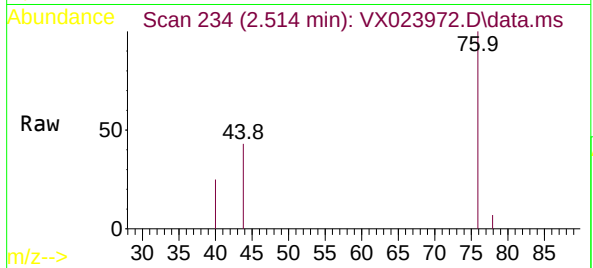




#17
Carbon Disulfide
Concen: 0.399 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023972.D
Acq: 26 Aug 2021 17:54

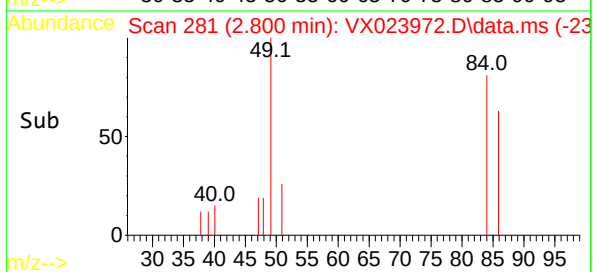
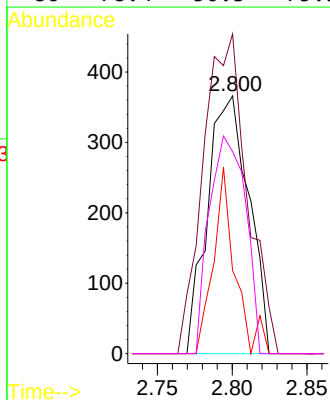
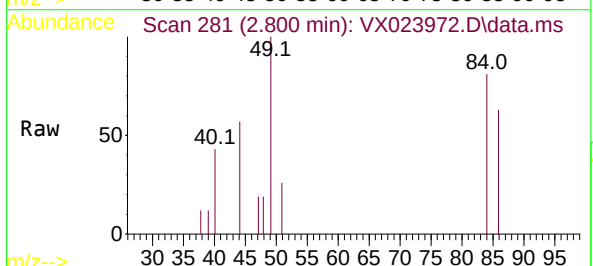
Instrument :
MSVOA_X
ClientSampled :

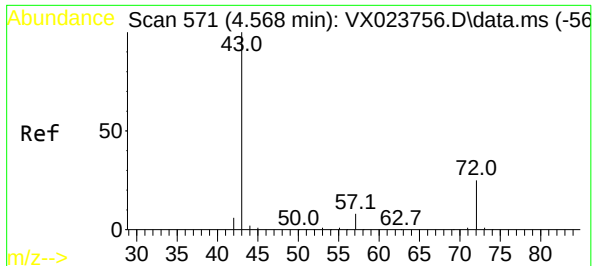
Tgt Ion: 76 Resp: 1258
Ion Ratio Lower Upper
76 100
78 7.4 7.2 10.8



#20
Methylene Chloride
Concen: 0.429 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX023972.D
Acq: 26 Aug 2021 17:54

Tgt Ion: 84 Resp: 704
Ion Ratio Lower Upper
84 100
49 124.0 88.6 132.8
51 32.2 27.0 40.6
86 78.4 50.3 75.5#

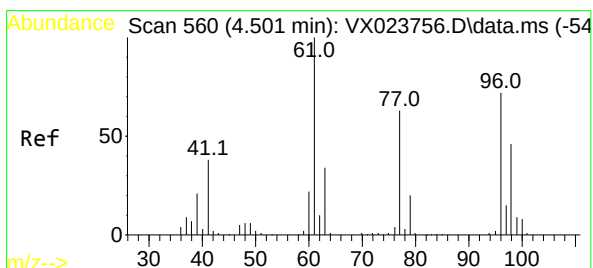
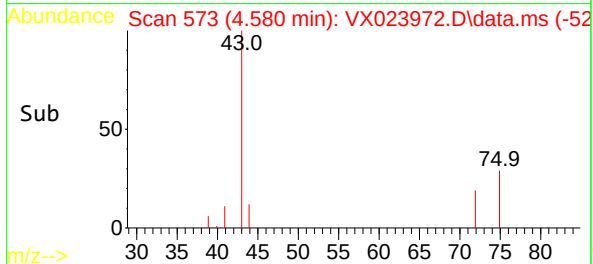
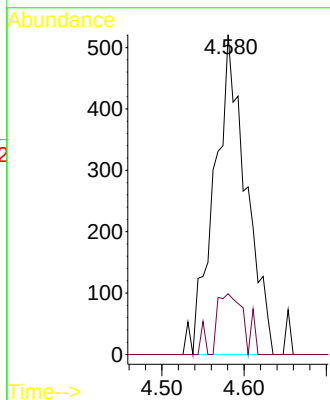
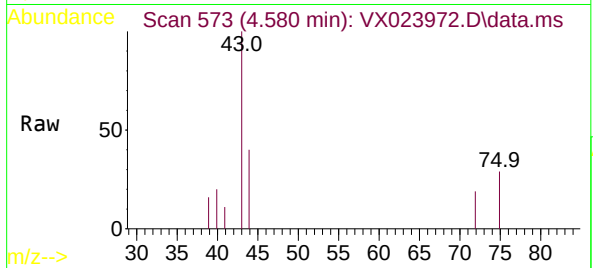




#25
2-Butanone
Concen: 1.075 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX023972.D
Acq: 26 Aug 2021 17:54

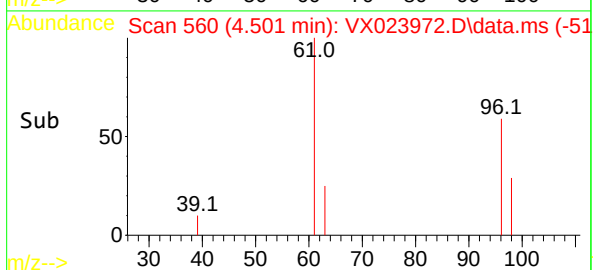
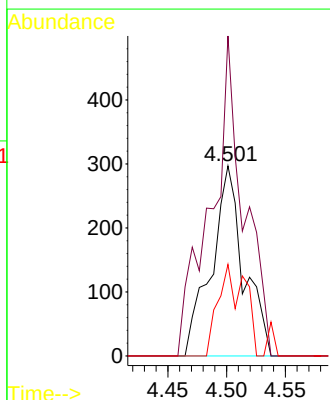
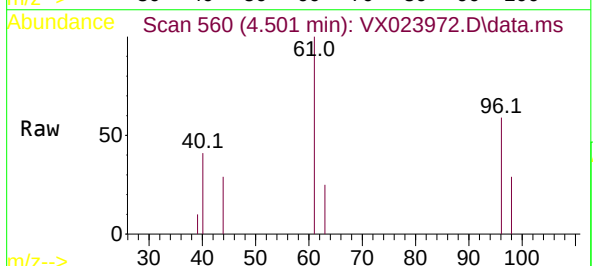
Instrument :
MSVOA_X
ClientSampled :

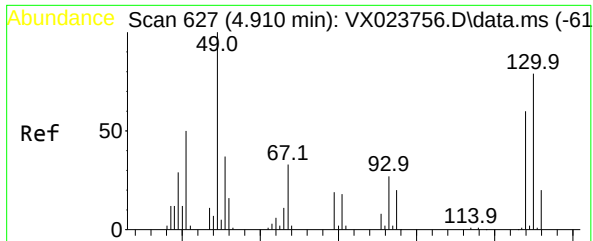
Tgt Ion: 43 Resp: 1400
Ion Ratio Lower Upper
43 100
72 19.0 23.7 35.5#



#27
cis-1,2-Dichloroethene
Concen: 0.340 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.000 min
Lab File: VX023972.D
Acq: 26 Aug 2021 17:54

Tgt Ion: 96 Resp: 572
Ion Ratio Lower Upper
96 100
61 169.6 0.0 285.6
98 39.3 0.0 129.6

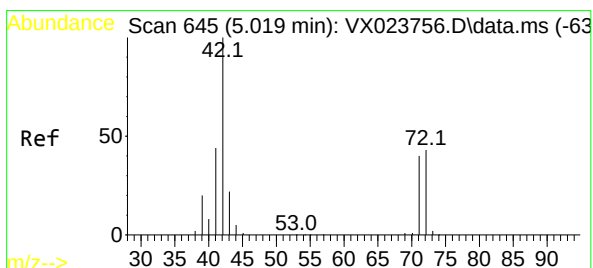
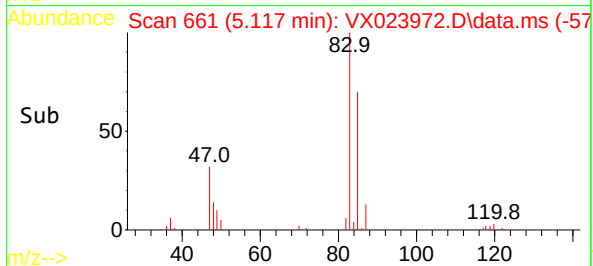
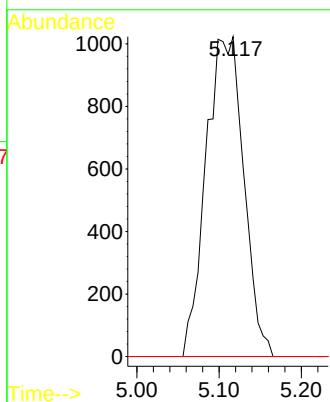
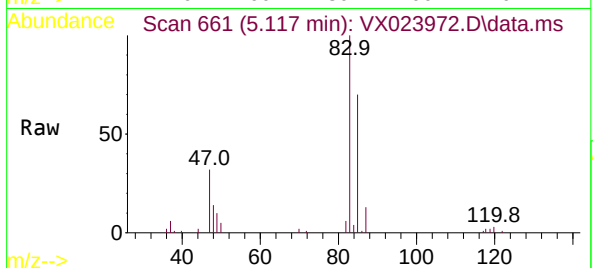




#28
Bromochloromethane
Concen: 2.656 ug/l
RT: 5.117 min Scan# 661
Delta R.T. 0.207 min
Lab File: VX023972.D
Acq: 26 Aug 2021 17:54

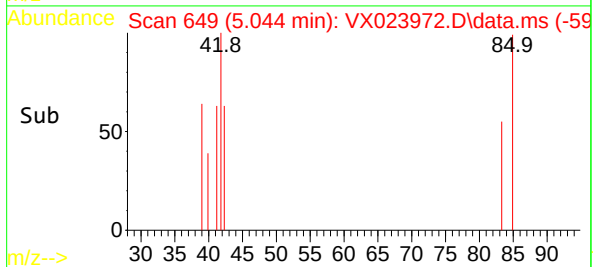
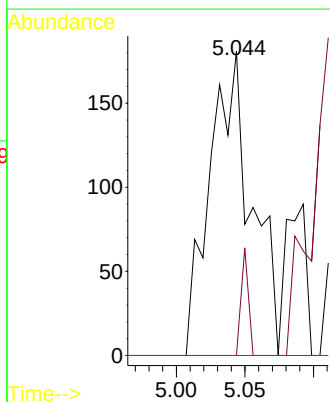
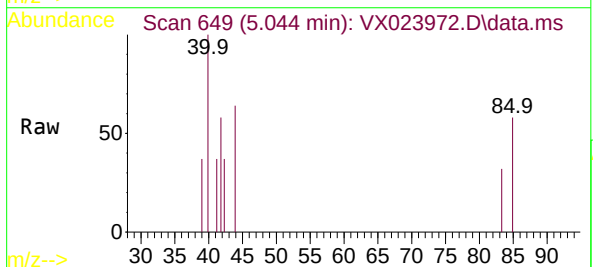
Instrument :
MSVOA_X
ClientSampled :

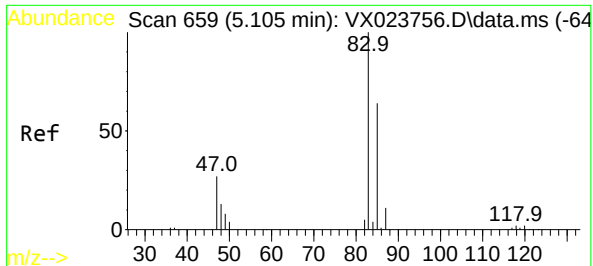
Tgt Ion: 49 Resp: 3263
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 68.2 102.2#



#29
Tetrahydrofuran
Concen: 0.454 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.025 min
Lab File: VX023972.D
Acq: 26 Aug 2021 17:54

Tgt Ion: 42 Resp: 383
Ion Ratio Lower Upper
42 100
72 6.0 41.7 62.5#
71 0.0 38.4 57.6#

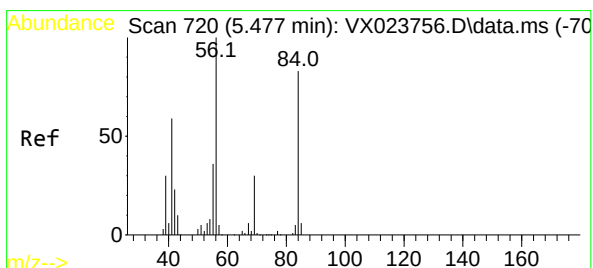
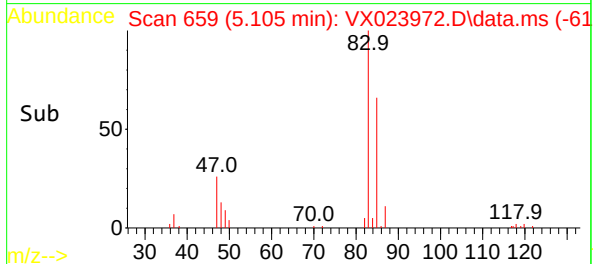
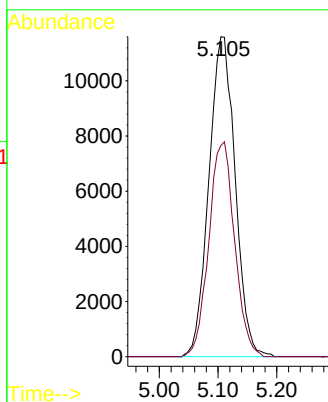
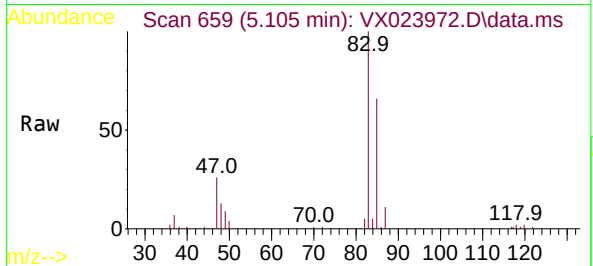




#30
Chloroform
Concen: 12.605 ug/l
RT: 5.105 min Scan# 659
Delta R.T. -0.000 min
Lab File: VX023972.D
Acq: 26 Aug 2021 17:54

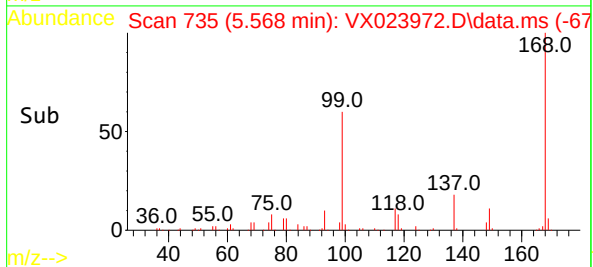
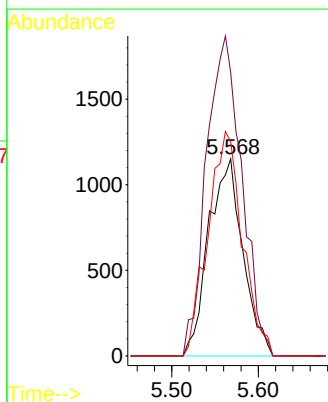
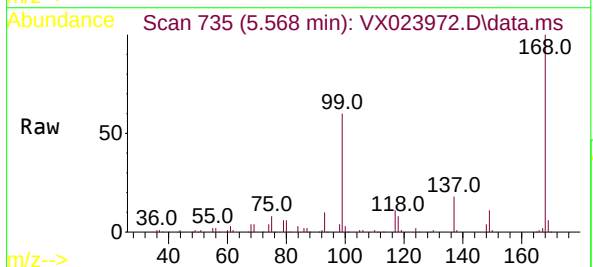
Instrument :
MSVOA_X
ClientSampled :

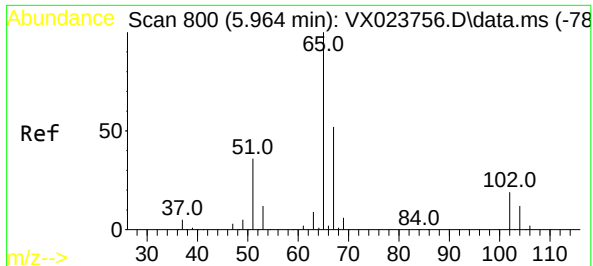
Tgt Ion: 83 Resp: 36058
Ion Ratio Lower Upper
83 100
85 66.0 52.0 78.0



#31
Cyclohexane
Concen: 1.279 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.091 min
Lab File: VX023972.D
Acq: 26 Aug 2021 17:54

Tgt Ion: 56 Resp: 3161
Ion Ratio Lower Upper
56 100
69 143.9 25.3 37.9#
84 108.7 71.4 107.0#



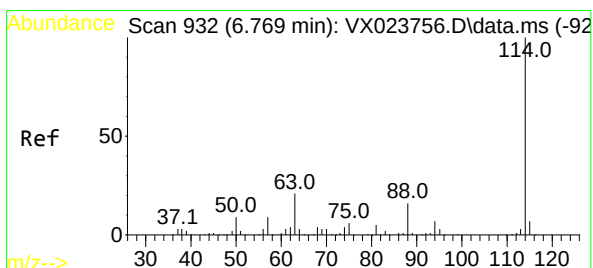
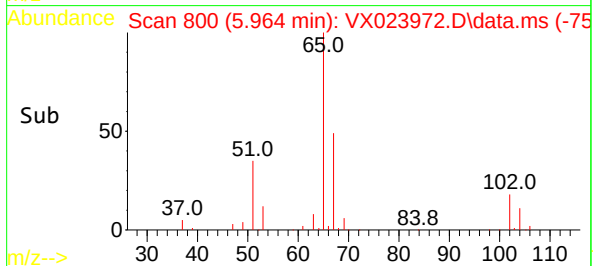
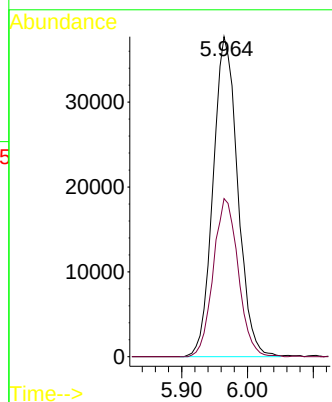
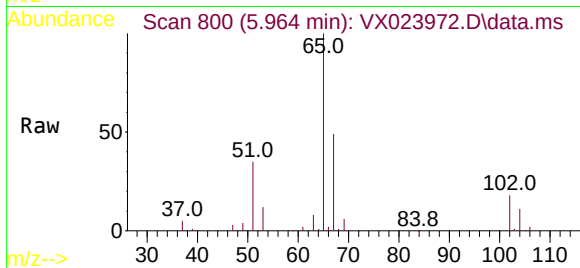


#33

1,2-Dichloroethane-d4
Concen: 51.138 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023972.D
Acq: 26 Aug 2021 17:54

Instrument :
MSVOA_X
ClientSampled :

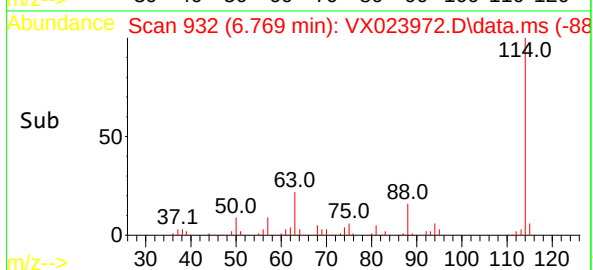
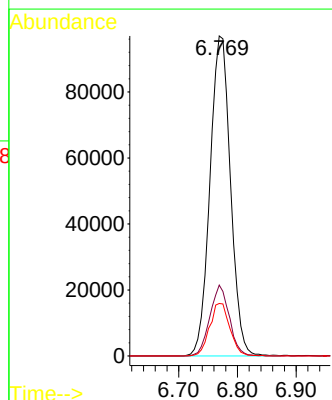
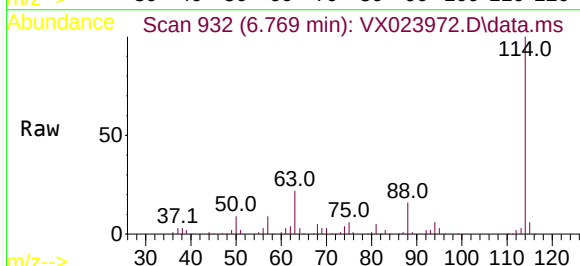
Tgt Ion: 65 Resp: 98358
Ion Ratio Lower Upper
65 100
67 50.0 0.0 105.4

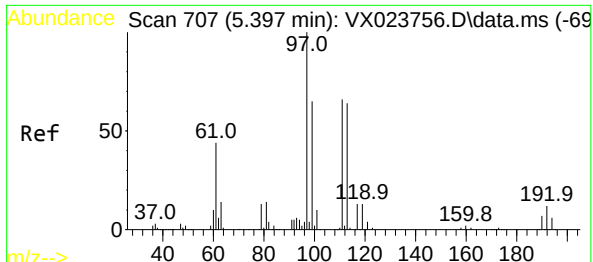


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023972.D
Acq: 26 Aug 2021 17:54

Tgt Ion: 114 Resp: 235180
Ion Ratio Lower Upper
114 100
63 22.2 0.0 40.8
88 16.4 0.0 32.8

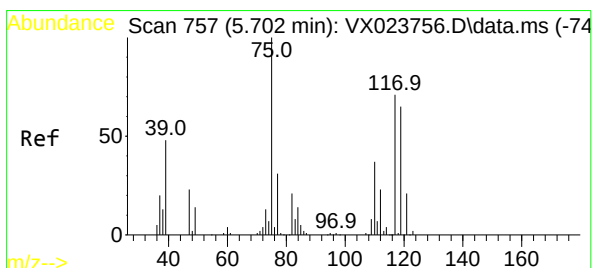
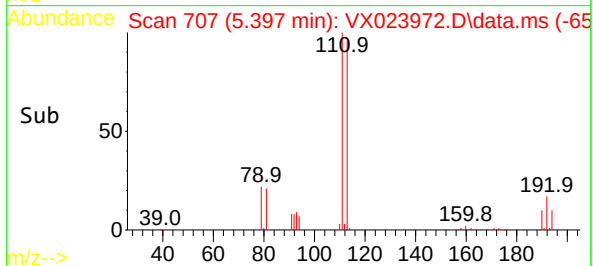
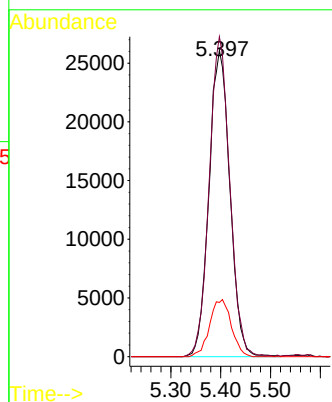
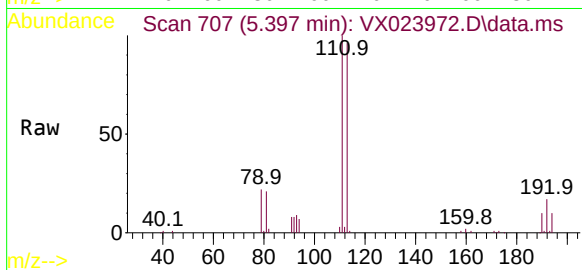




#35
Dibromofluoromethane
Concen: 48.916 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023972.D
Acq: 26 Aug 2021 17:54

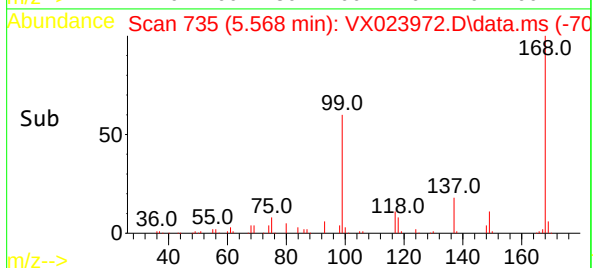
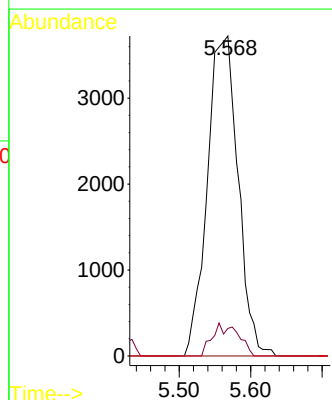
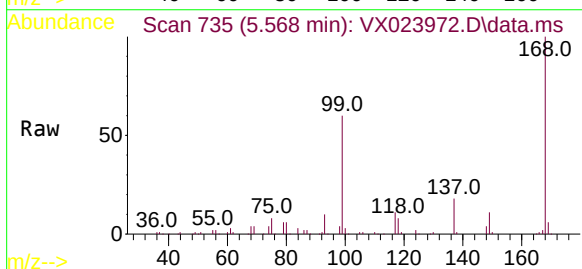
Instrument :
MSVOA_X
ClientSampled :

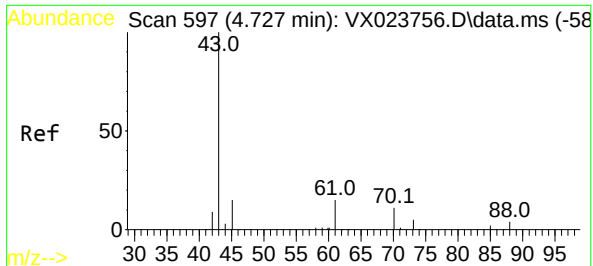
Tgt Ion:113 Resp: 76143
Ion Ratio Lower Upper
113 100
111 102.4 81.9 122.9
192 19.3 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.115 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.134 min
Lab File: VX023972.D
Acq: 26 Aug 2021 17:54

Tgt Ion: 75 Resp: 11141
Ion Ratio Lower Upper
75 100
110 4.0 18.1 54.4#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 0.523 ug/l

RT: 4.580 min Scan# 573

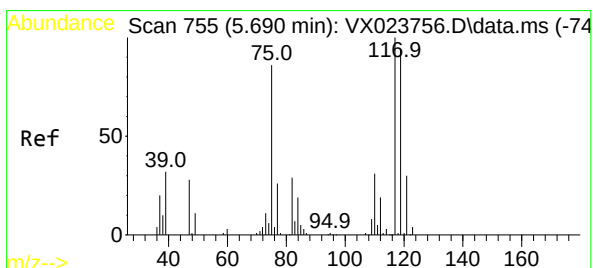
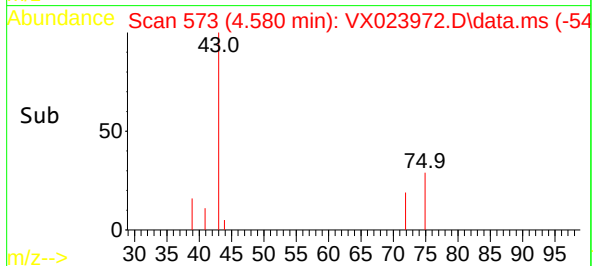
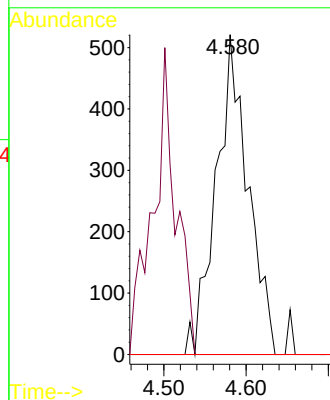
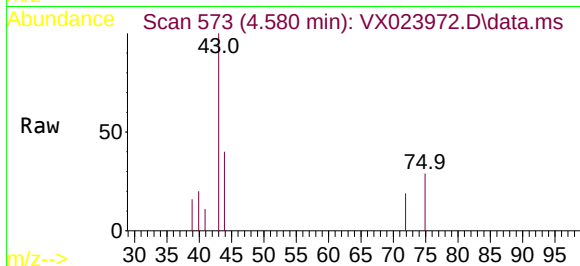
Delta R.T. -0.147 min

Lab File: VX023972.D

Acq: 26 Aug 2021 17:54

Tgt Ion:	43	Resp:	1400
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.0	10.5	15.7#

Instrument :
MSVOA_X
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.385 ug/l

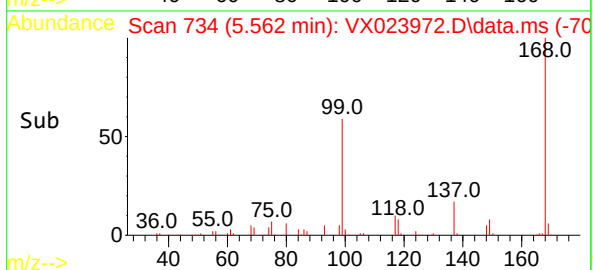
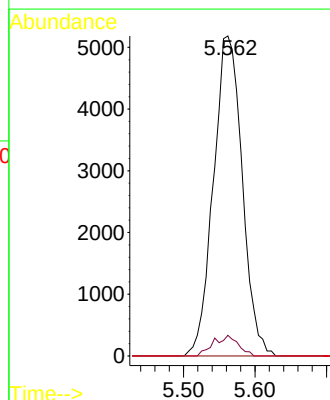
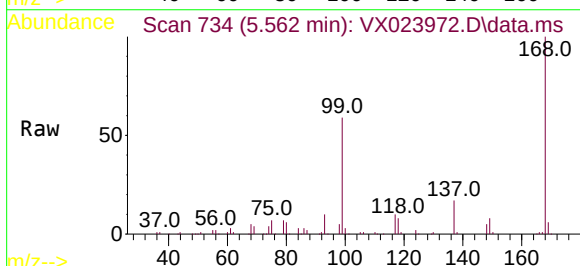
RT: 5.562 min Scan# 734

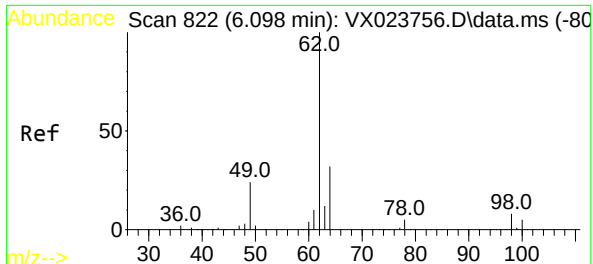
Delta R.T. -0.128 min

Lab File: VX023972.D

Acq: 26 Aug 2021 17:54

Tgt Ion:	117	Resp:	14500
Ion	Ratio	Lower	Upper
117	100		
119	6.4	76.2	114.2#
121	0.0	24.8	37.2#





#42

1,2-Dichloroethane

Concen: 0.242 ug/l

RT: 6.092 min Scan# 821

Delta R.T. -0.006 min

Lab File: VX023972.D

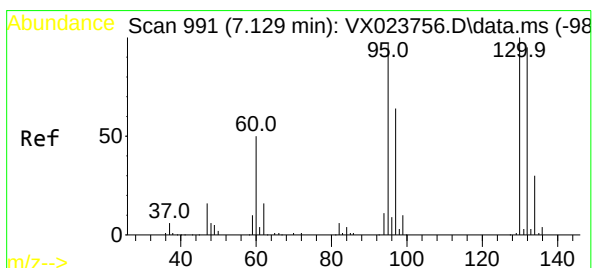
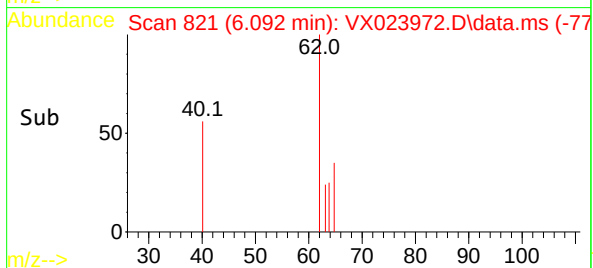
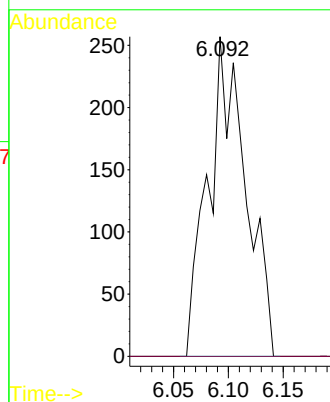
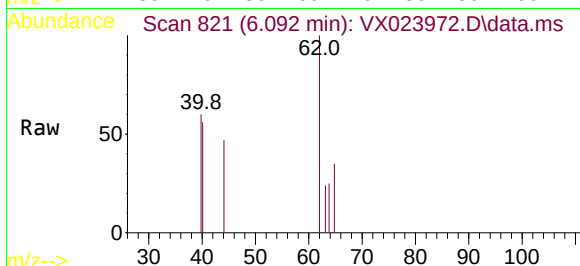
Acq: 26 Aug 2021 17:54

Tgt Ion: 62 Resp: 613

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2



#44

Trichloroethene

Concen: 4.845 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.006 min

Lab File: VX023972.D

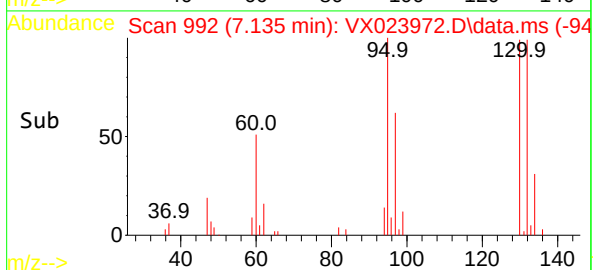
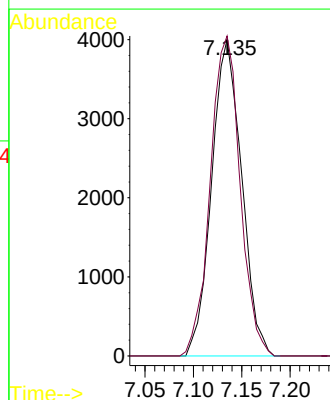
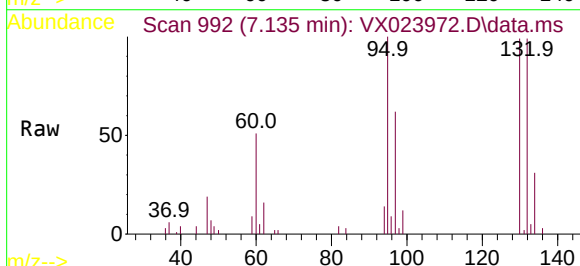
Acq: 26 Aug 2021 17:54

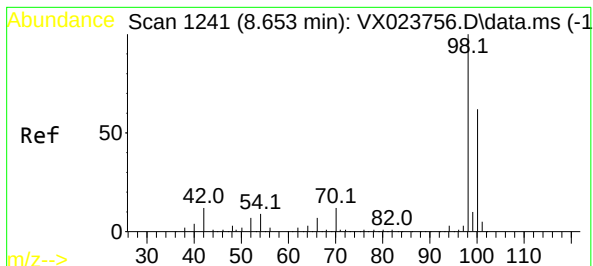
Tgt Ion:130 Resp: 8620

Ion Ratio Lower Upper

130 100

95 101.0 0.0 198.0

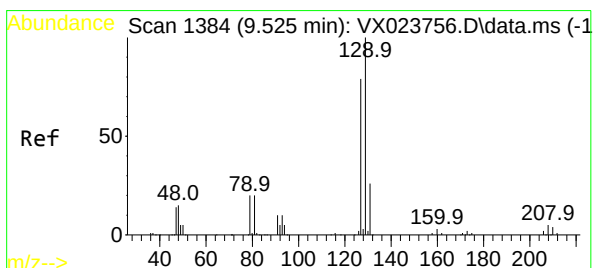
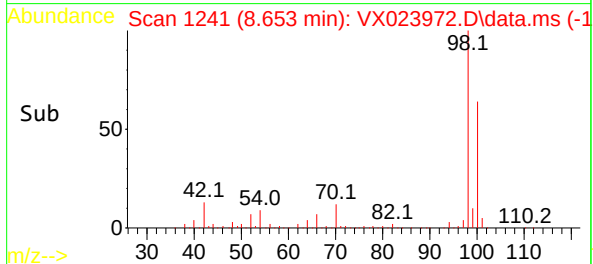
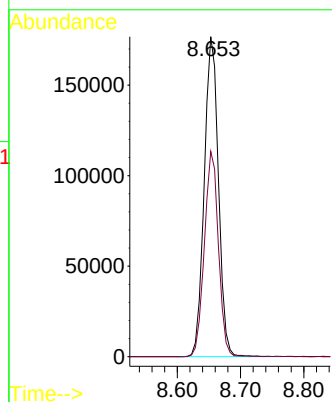
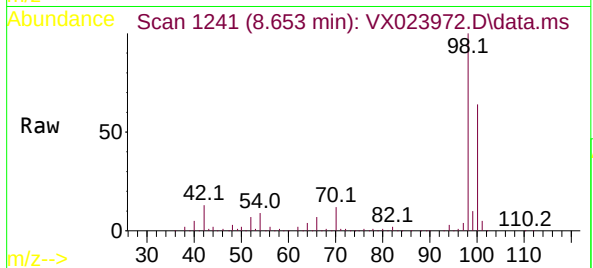




#50
Toluene-d8
Concen: 46.637 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023972.D
Acq: 26 Aug 2021 17:54

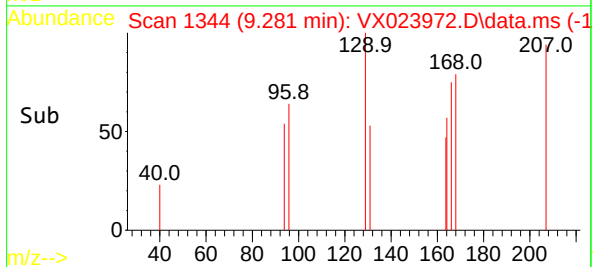
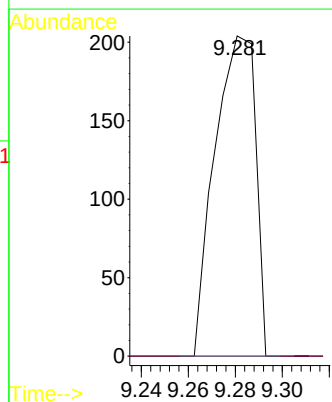
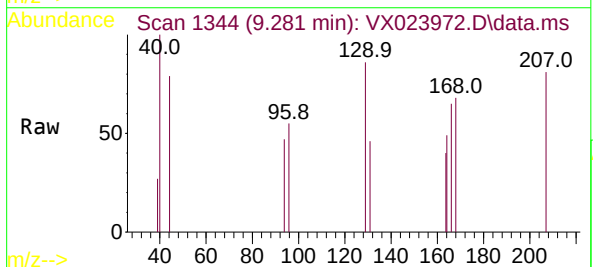
Instrument :
MSVOA_X
ClientSampled :

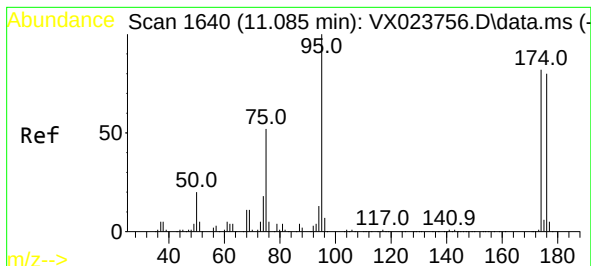
Tgt Ion: 98 Resp: 276300
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9



#60
Dibromochloromethane
Concen: 1.813 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX023972.D
Acq: 26 Aug 2021 17:54

Tgt Ion:129 Resp: 246
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

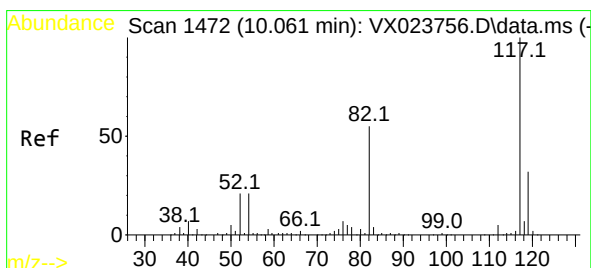
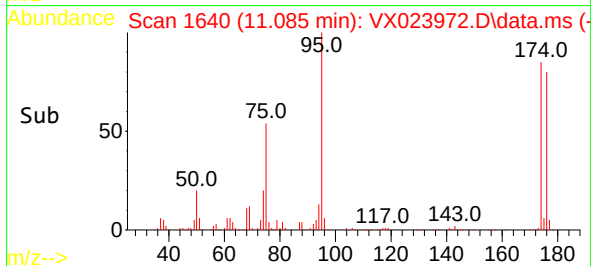
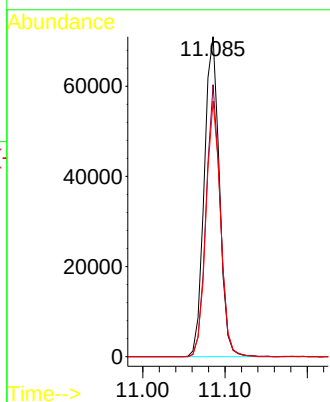
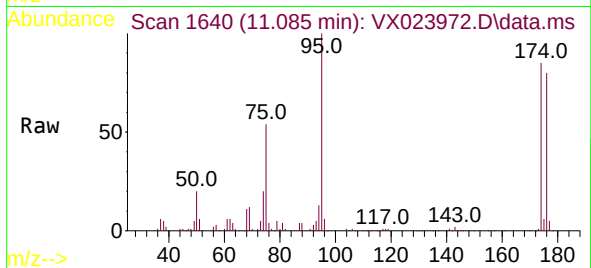




#62
4-Bromofluorobenzene
Concen: 41.671 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023972.D
Acq: 26 Aug 2021 17:54

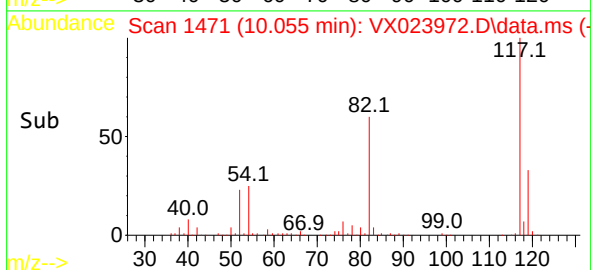
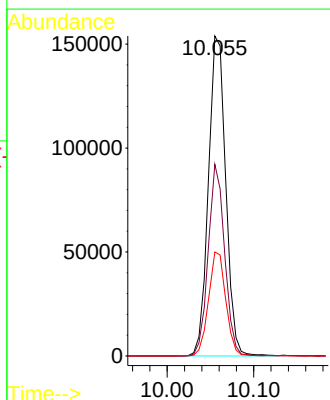
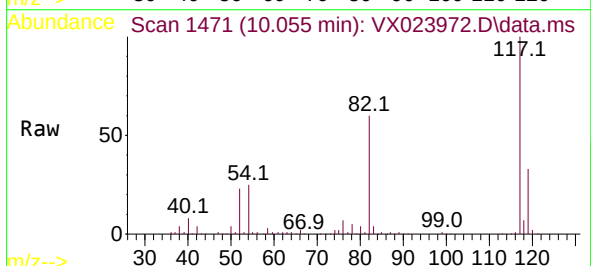
Instrument :
MSVOA_X
ClientSampleId :

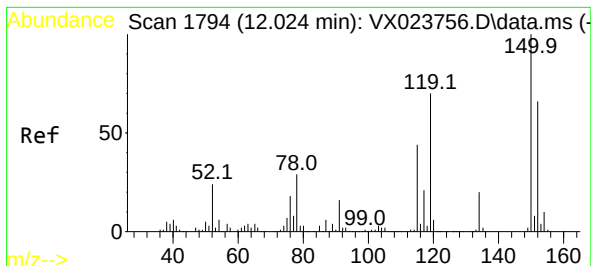
Tgt Ion: 95 Resp: 90884
Ion Ratio Lower Upper
95 100
174 79.4 0.0 154.6
176 76.9 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023972.D
Acq: 26 Aug 2021 17:54

Tgt Ion: 117 Resp: 214032
Ion Ratio Lower Upper
117 100
82 59.9 47.4 71.2
119 32.5 26.6 39.8

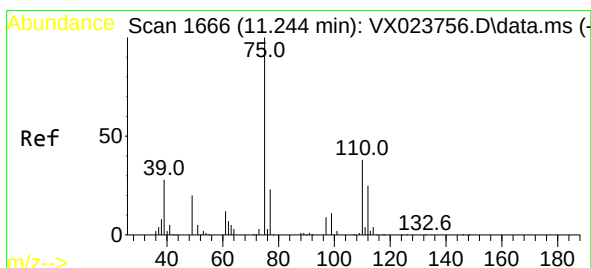
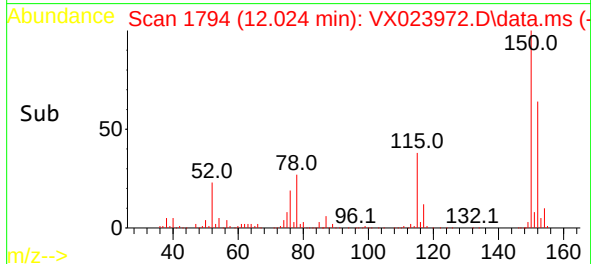
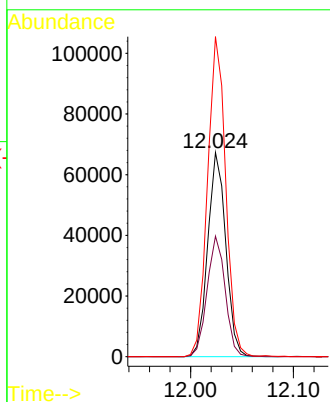
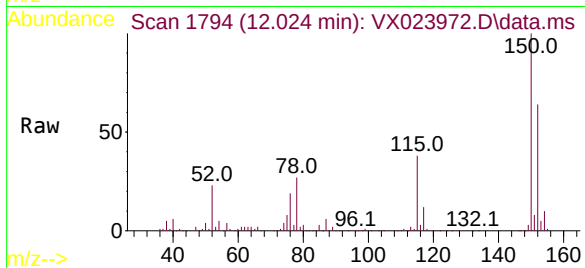




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023972.D
 Acq: 26 Aug 2021 17:54

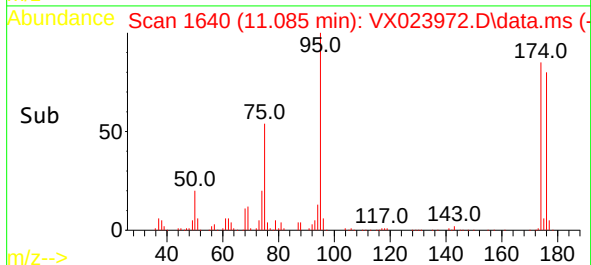
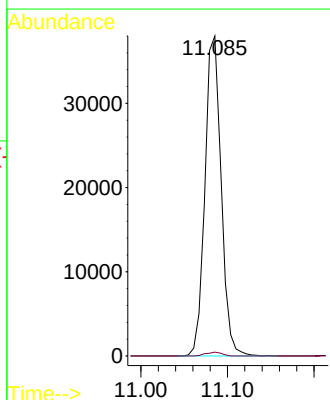
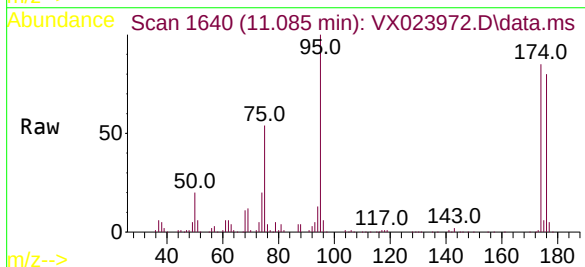
Instrument :
 MSVOA_X
 ClientSampled :

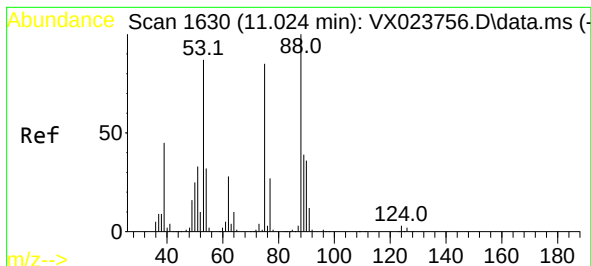
Tgt Ion:152 Resp: 82065
 Ion Ratio Lower Upper
 152 100
 115 59.1 41.1 123.3
 150 157.7 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.840 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023972.D
 Acq: 26 Aug 2021 17:54

Tgt Ion: 75 Resp: 49467
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#

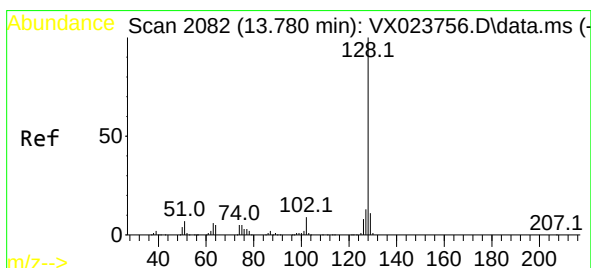
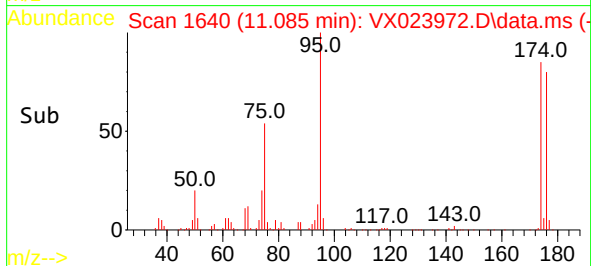
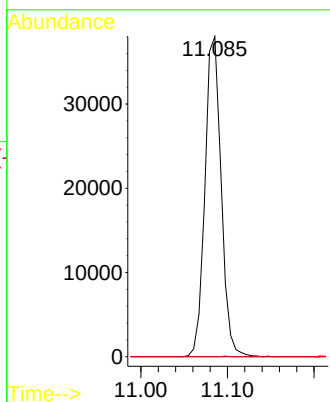
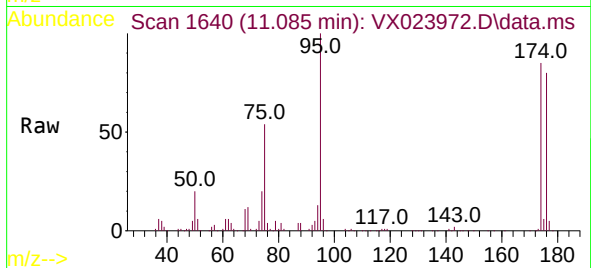




#81
trans-1,4-Dichloro-2-butene
Concen: 76.009 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023972.D
Acq: 26 Aug 2021 17:54

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 49467
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#



#95
Naphthalene
Concen: 1.453 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023972.D
Acq: 26 Aug 2021 17:54

Tgt Ion: 128 Resp: 1051
Ion Ratio Lower Upper
128 100
127 11.7 10.3 15.5
129 8.9 8.8 13.2

