

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100821\
 Data File : VX024701.D
 Acq On : 09 Oct 2021 04:30
 Operator : JC/MD
 Sample : PB139768ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 11 06:40:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 18:24:34 2021
 Response via : Initial Calibration

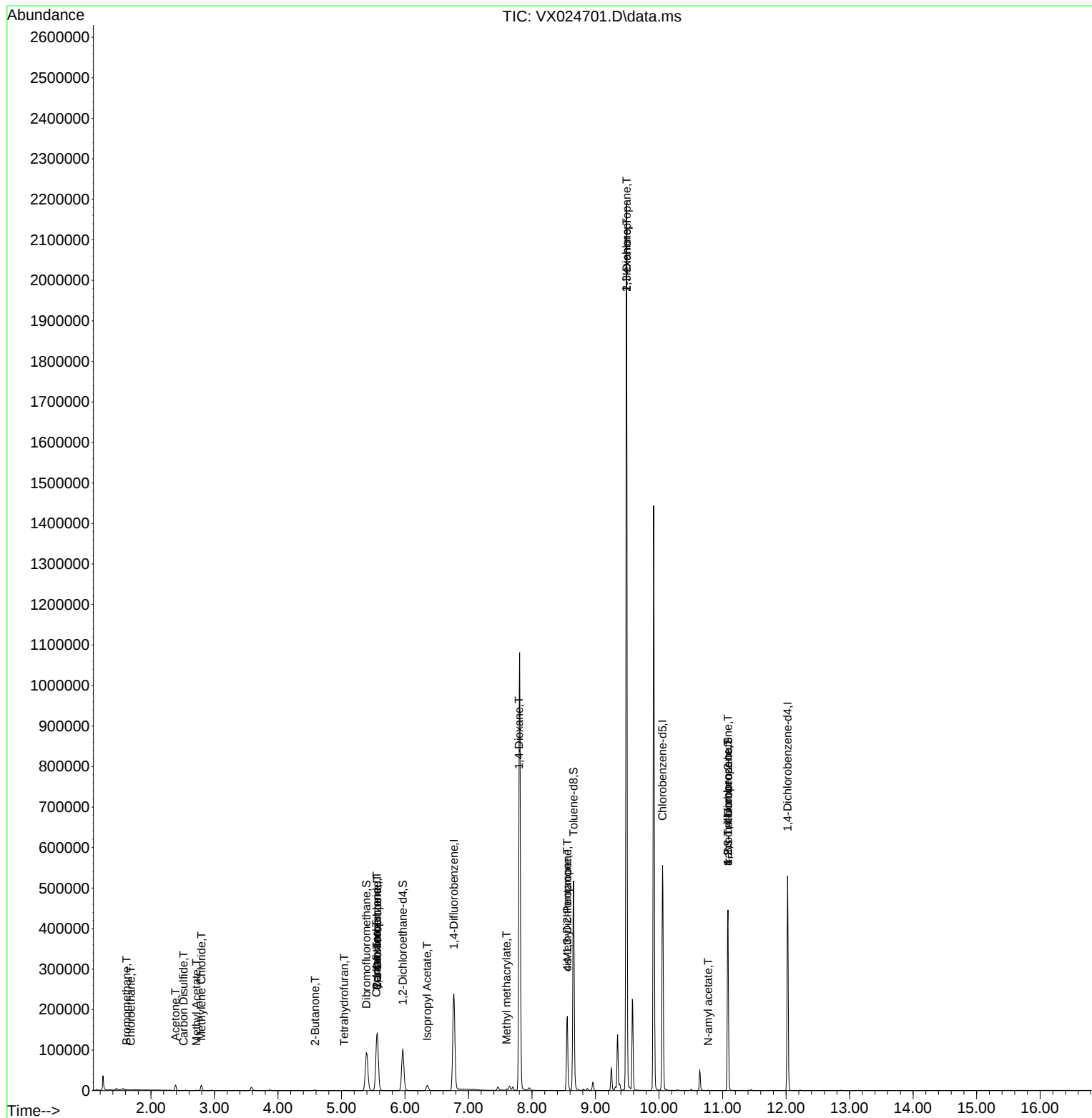
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	134148	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	236158	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	242563	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	104922	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	100386	53.096	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.200%	
35) Dibromofluoromethane	5.391	113	79906	50.933	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.860%	
50) Toluene-d8	8.653	98	296976	51.431	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.860%	
62) 4-Bromofluorobenzene	11.085	95	112436	49.524	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.040%	
Target Compounds						Qvalue
5) Bromomethane	1.618	94	264	0.295	ug/l	100
6) Chloroethane	1.685	64	58	0.323	ug/l #	43
11) Tert butyl alcohol	2.959	59	679	Below Cal	#	73
16) Acetone	2.386	43	14688	8.621	ug/l #	84
17) Carbon Disulfide	2.514	76	223	0.298	ug/l #	75
18) Methyl Acetate	2.715	43	1296	0.458	ug/l #	73
20) Methylene Chloride	2.794	84	5534	2.833	ug/l	89
25) 2-Butanone	4.587	43	2482	1.906	ug/l #	64
29) Tetrahydrofuran	5.044	42	544	0.656	ug/l #	58
31) Cyclohexane	5.550	56	2891	1.277	ug/l #	43
36) 1,1-Dichloropropene	5.562	75	10443	4.613	ug/l #	50
38) Carbon Tetrachloride	5.556	117	13915	5.646	ug/l #	17
43) Isopropyl Acetate	6.348	43	17462	4.064	ug/l	92
48) Methyl methacrylate	7.598	41	5116	2.404	ug/l #	10
49) 1,4-Dioxane	7.793	88	137	2.811	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	66120	23.307	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	27865	10.534	ug/l #	70
57) 1,3-Dichloropropane	9.488	76	16975	5.818	ug/l #	43
59) 2-Hexanone	9.488	43	255392	114.315	ug/l #	43
74) N-amyl acetate	10.775	43	814	0.239	ug/l #	38
76) 1,2,3-Trichloropropane	11.085	75	60588	25.428	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	60588	69.308	ug/l #	12

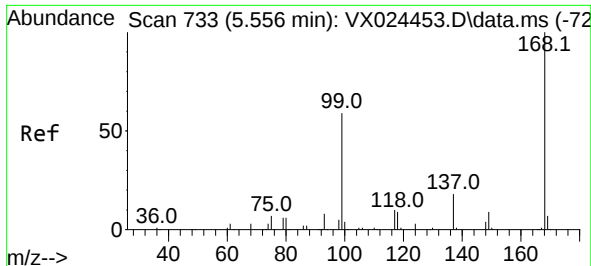
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :

Quant Time: Oct 11 06:40:16 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 23 18:24:34 2021
Response via : Initial Calibration

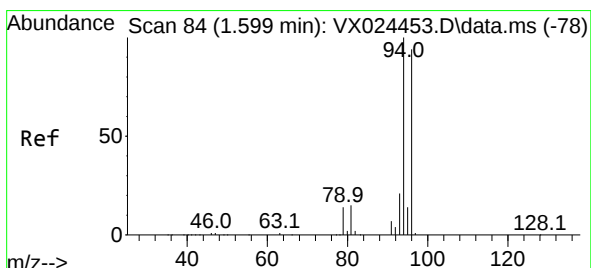
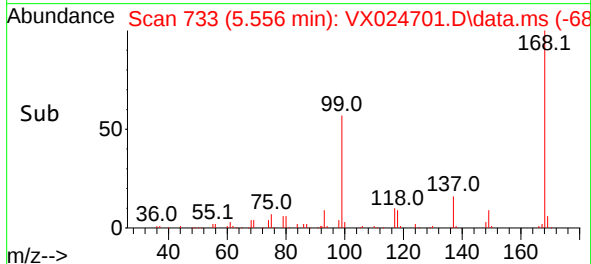
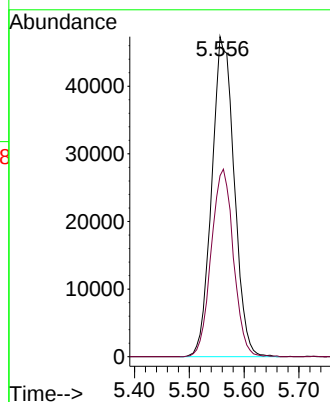
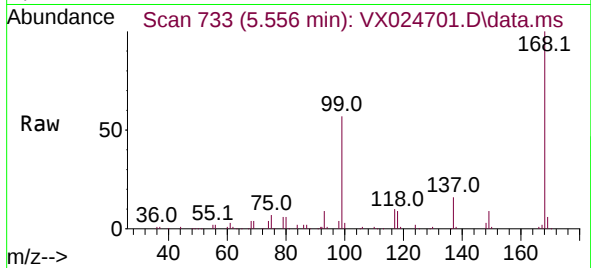




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX024701.D
Acq: 09 Oct 2021 04:30

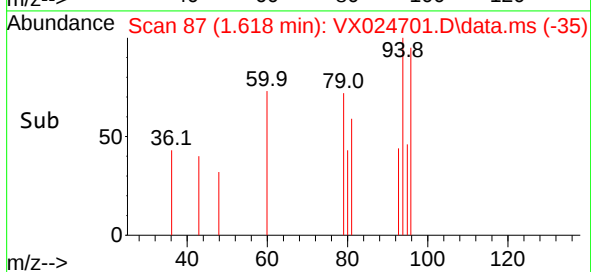
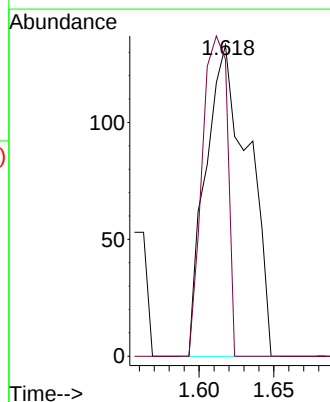
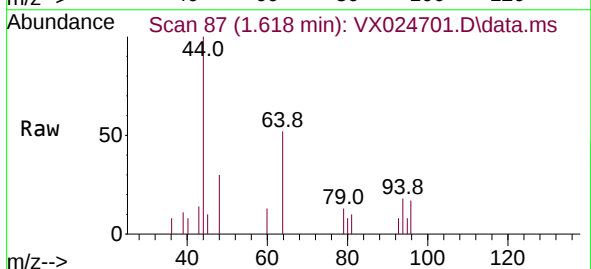
Instrument :
MSVOA_X
ClientSampled :

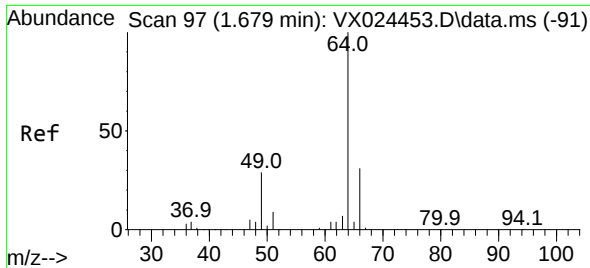
Tgt Ion:168 Resp: 134148
Ion Ratio Lower Upper
168 100
99 56.5 45.8 68.6



#5
Bromomethane
Concen: 0.295 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX024701.D
Acq: 09 Oct 2021 04:30

Tgt Ion: 94 Resp: 264
Ion Ratio Lower Upper
94 100
96 95.5 76.4 114.6

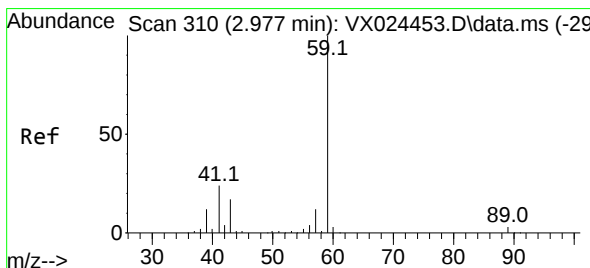
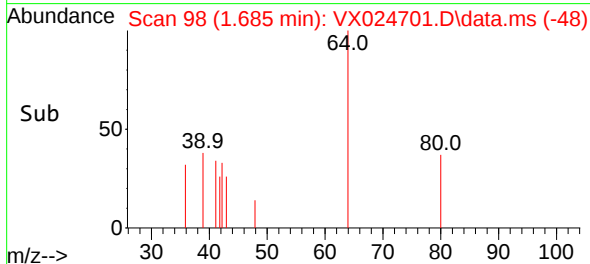
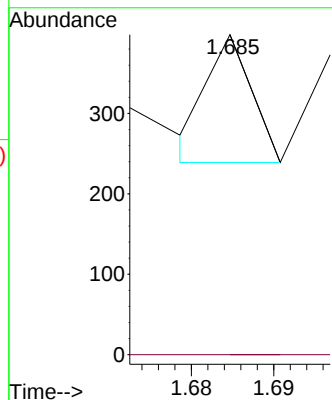
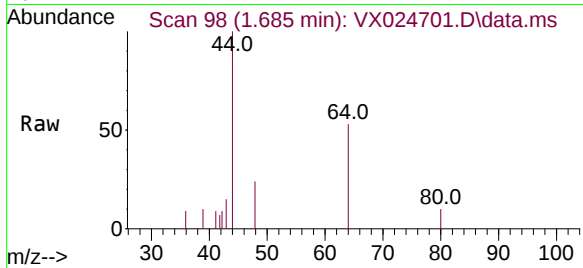




#6
Chloroethane
Concen: 0.323 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX024701.D
Acq: 09 Oct 2021 04:30

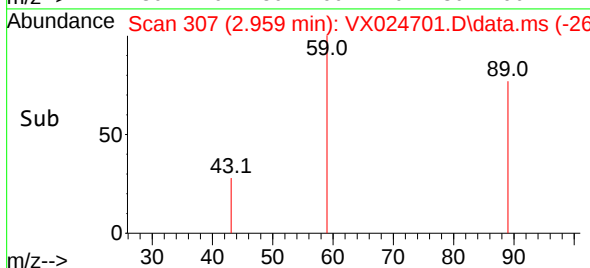
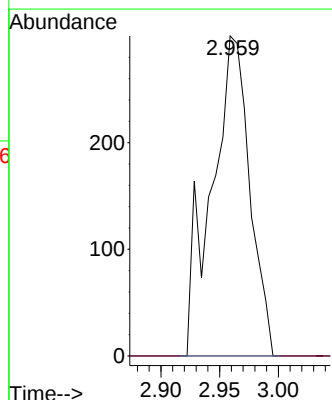
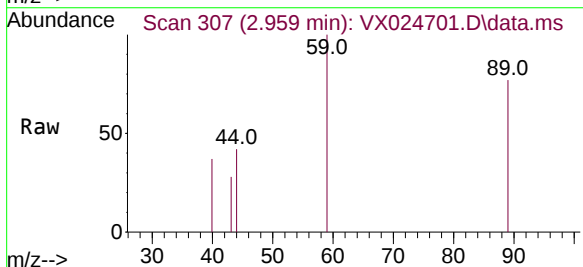
Instrument :
MSVOA_X
ClientSampled :

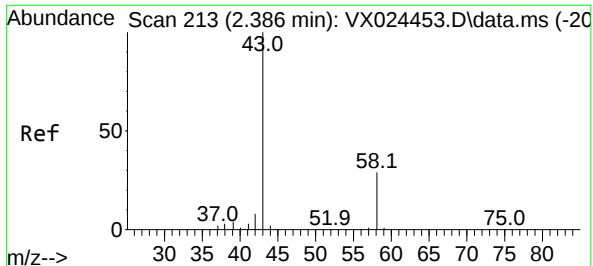
Tgt Ion: 64 Resp: 58
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. -0.018 min
Lab File: VX024701.D
Acq: 09 Oct 2021 04:30

Tgt Ion: 59 Resp: 679
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

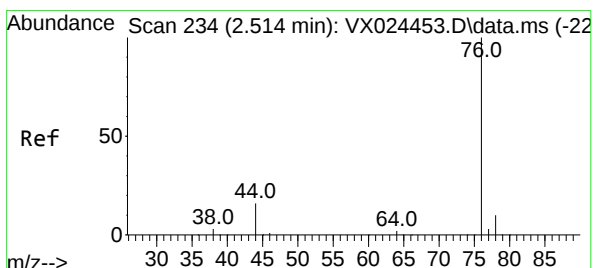
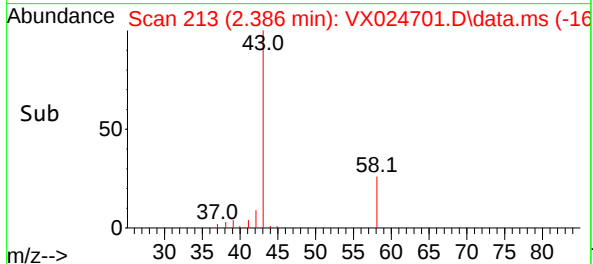
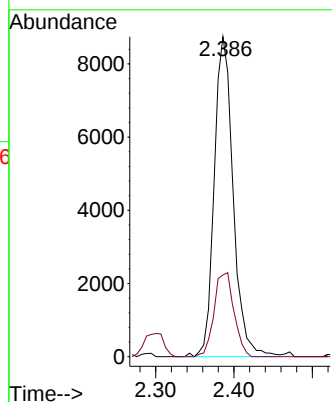
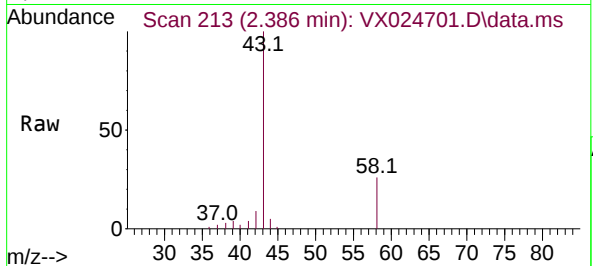




#16
Acetone
Concen: 8.621 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024701.D
Acq: 09 Oct 2021 04:30

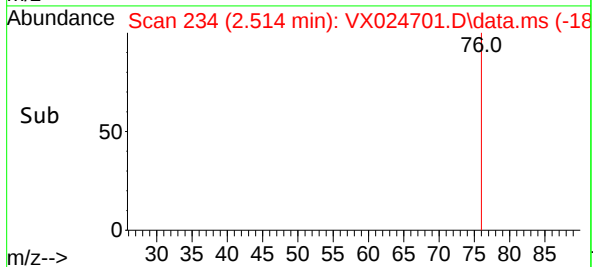
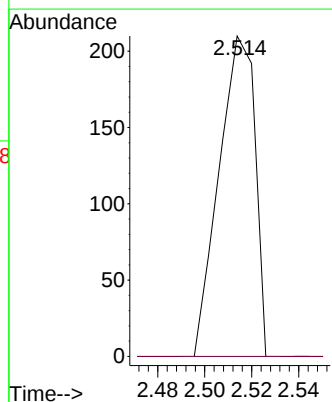
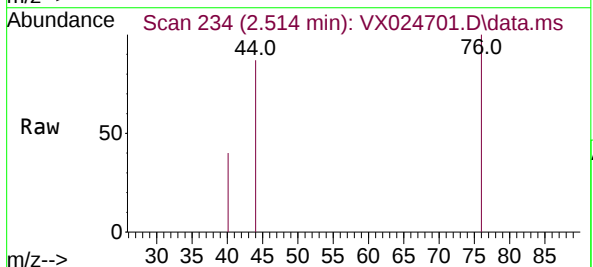
Instrument :
MSVOA_X
ClientSampleId :

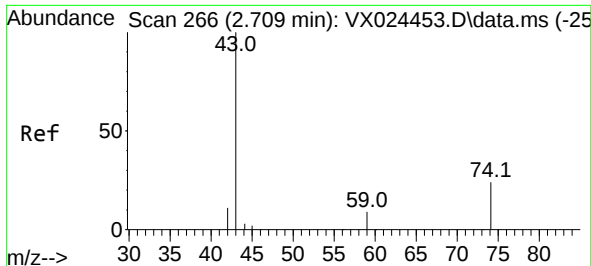
Tgt Ion: 43 Resp: 14688
Ion Ratio Lower Upper
43 100
58 25.6 27.8 41.8#



#17
Carbon Disulfide
Concen: 0.298 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024701.D
Acq: 09 Oct 2021 04:30

Tgt Ion: 76 Resp: 223
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

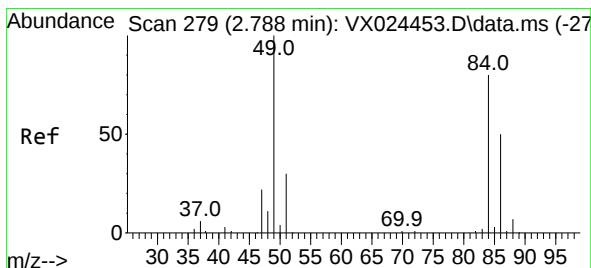
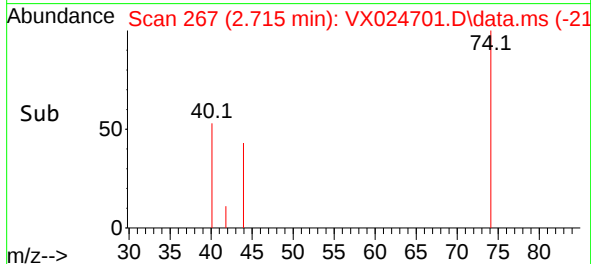
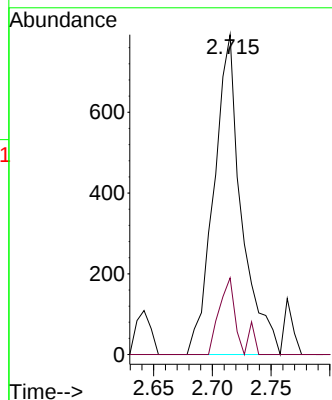
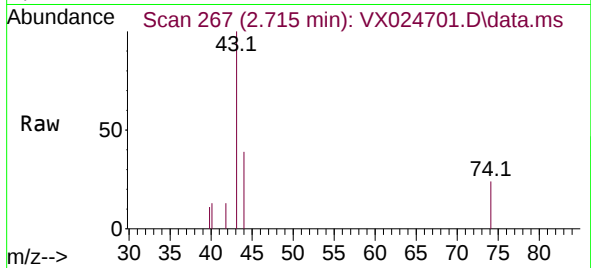




#18
Methyl Acetate
Concen: 0.458 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX024701.D
Acq: 09 Oct 2021 04:30

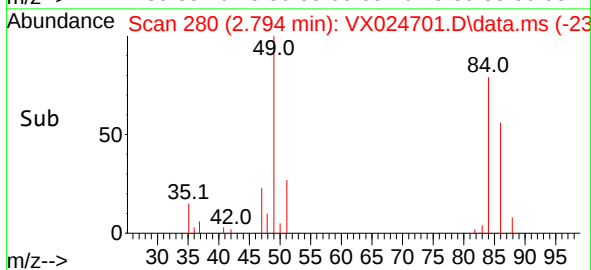
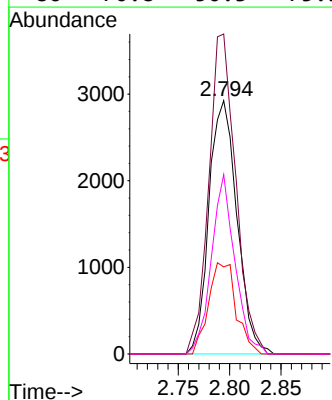
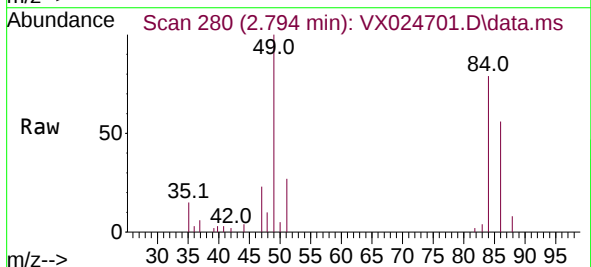
Instrument :
MSVOA_X
ClientSampled :

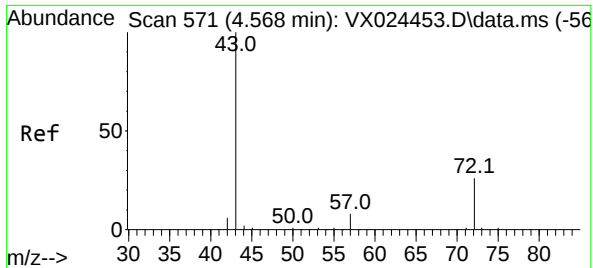
Tgt Ion: 43 Resp: 1296
Ion Ratio Lower Upper
43 100
74 13.3 21.9 32.9#



#20
Methylene Chloride
Concen: 2.833 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX024701.D
Acq: 09 Oct 2021 04:30

Tgt Ion: 84 Resp: 5534
Ion Ratio Lower Upper
84 100
49 126.4 88.6 132.8
51 34.4 27.0 40.6
86 70.8 50.3 75.5

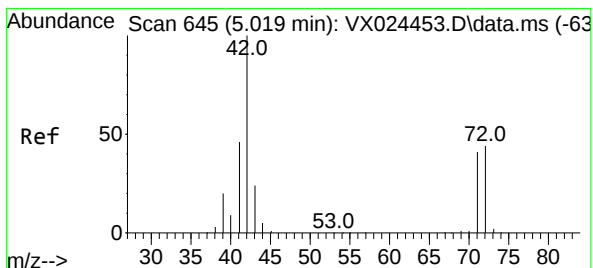
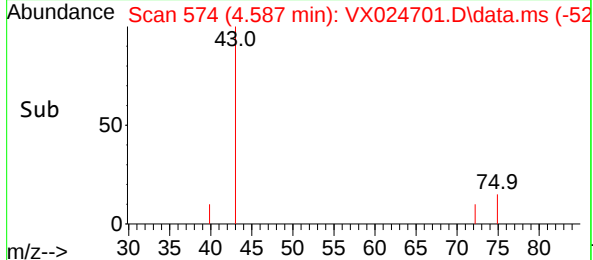
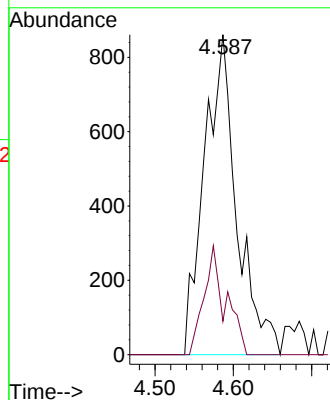
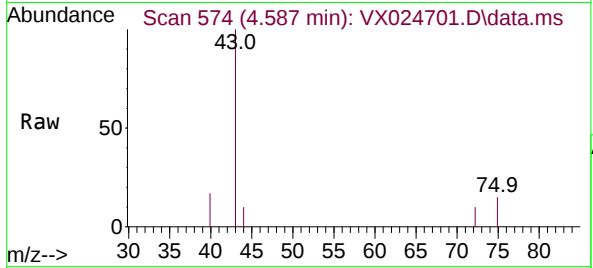




#25
2-Butanone
Concen: 1.906 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.019 min
Lab File: VX024701.D
Acq: 09 Oct 2021 04:30

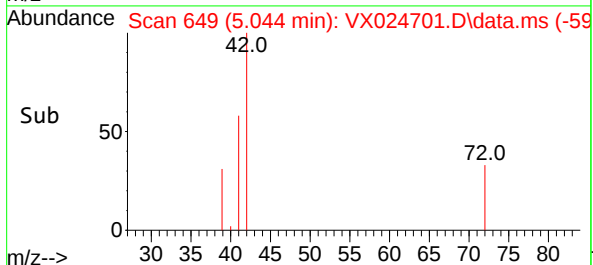
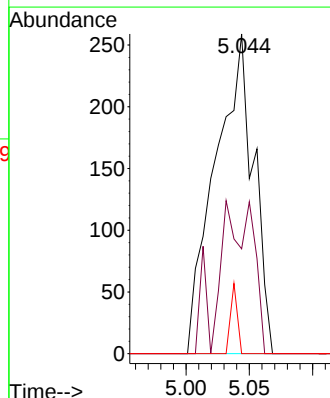
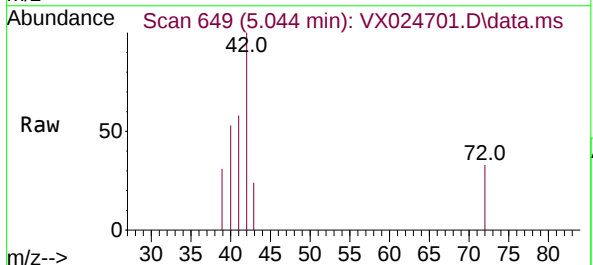
Instrument :
MSVOA_X
ClientSampled :

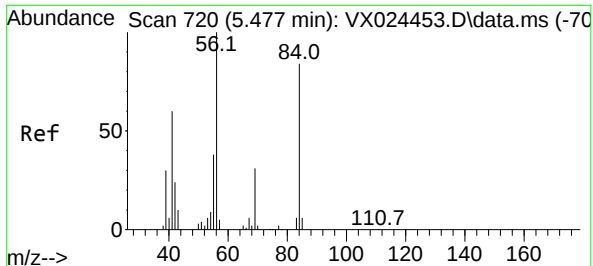
Tgt Ion: 43 Resp: 2482
Ion Ratio Lower Upper
43 100
72 10.5 23.7 35.5#



#29
Tetrahydrofuran
Concen: 0.656 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.025 min
Lab File: VX024701.D
Acq: 09 Oct 2021 04:30

Tgt Ion: 42 Resp: 544
Ion Ratio Lower Upper
42 100
72 37.1 41.7 62.5#
71 3.9 38.4 57.6#

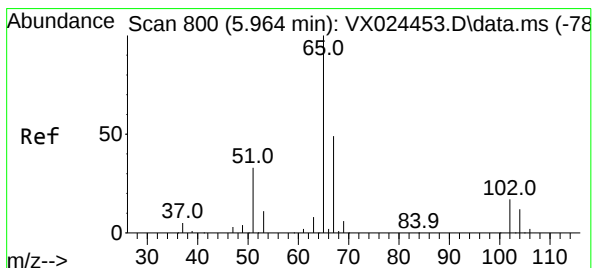
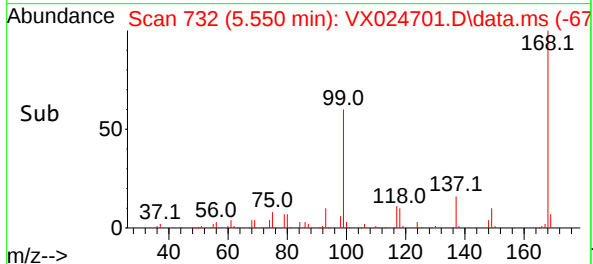
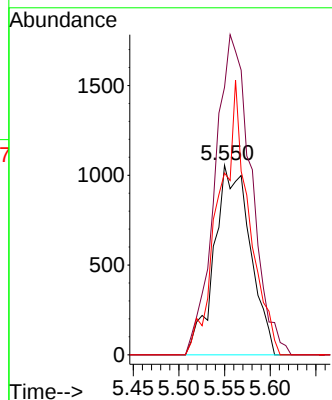
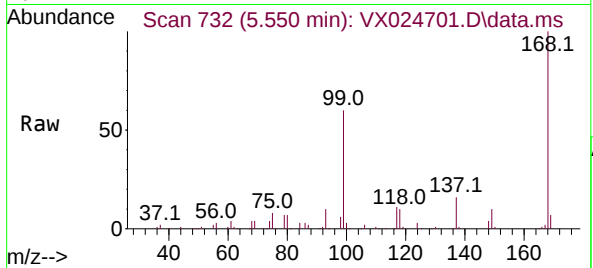




#31
Cyclohexane
Concen: 1.277 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.073 min
Lab File: VX024701.D
Acq: 09 Oct 2021 04:30

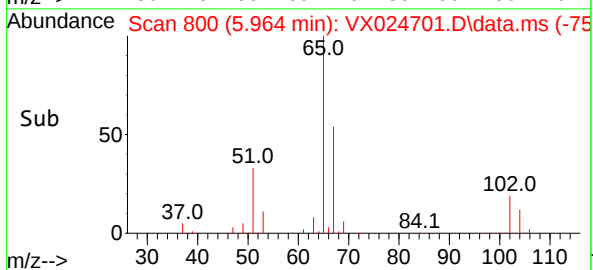
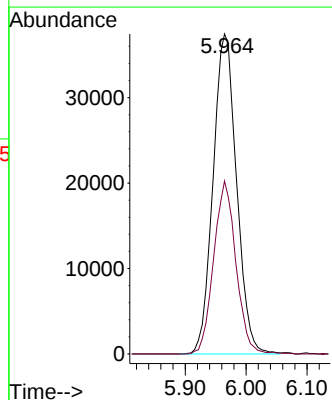
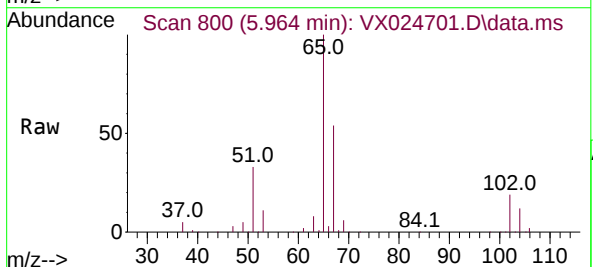
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ClientSampleId :

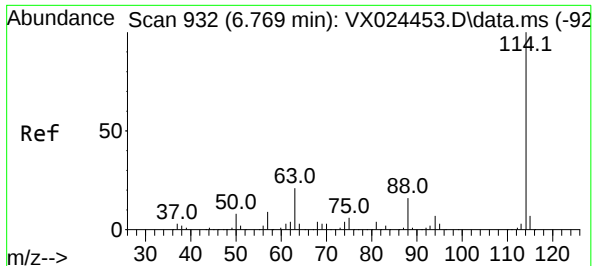
Tgt Ion: 56 Resp: 2891
Ion Ratio Lower Upper
56 100
69 141.1 25.3 37.9#
84 95.8 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 53.096 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024701.D
Acq: 09 Oct 2021 04:30

Tgt Ion: 65 Resp: 100386
Ion Ratio Lower Upper
65 100
67 51.2 0.0 105.4

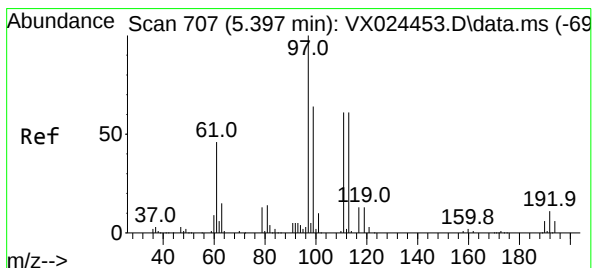
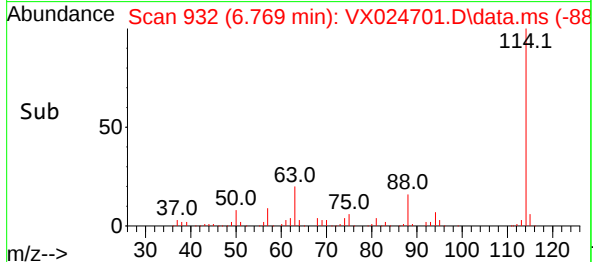
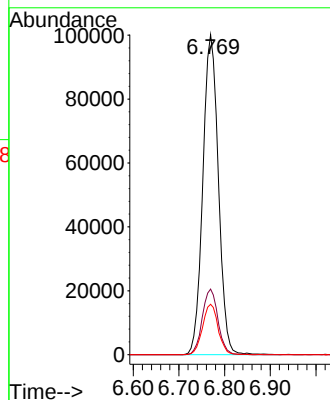
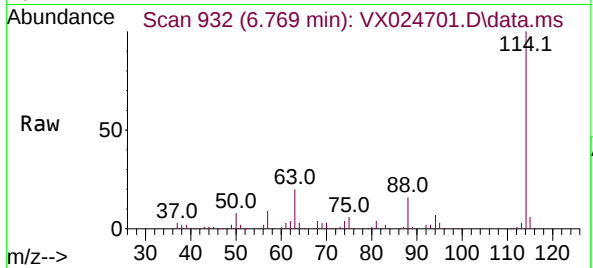




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024701.D
Acq: 09 Oct 2021 04:30

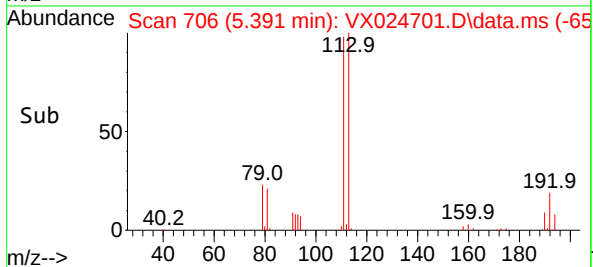
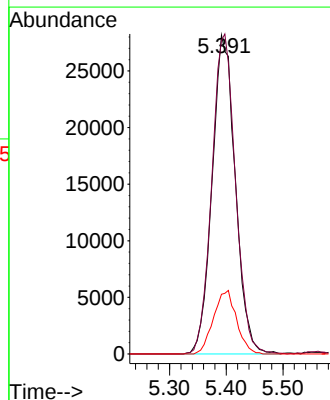
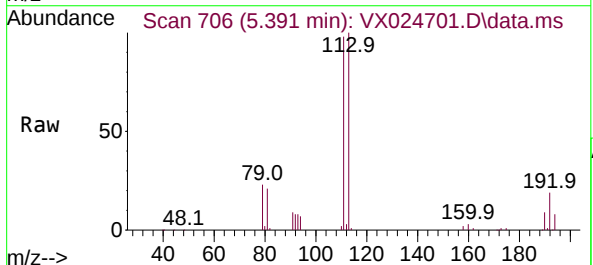
Instrument :
MSVOA_X
ClientSampleId :

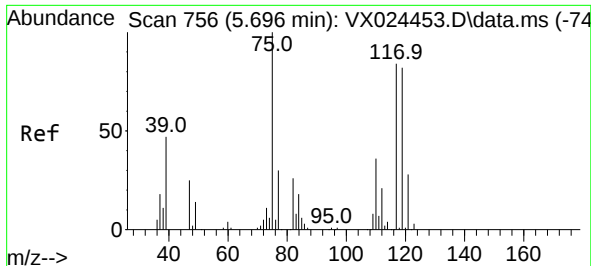
Tgt Ion:114 Resp: 236158
Ion Ratio Lower Upper
114 100
63 20.5 0.0 40.8
88 15.8 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.933 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX024701.D
Acq: 09 Oct 2021 04:30

Tgt Ion:113 Resp: 79906
Ion Ratio Lower Upper
113 100
111 102.2 81.9 122.9
192 19.8 16.7 25.1

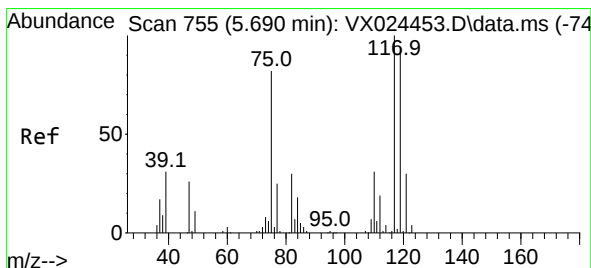
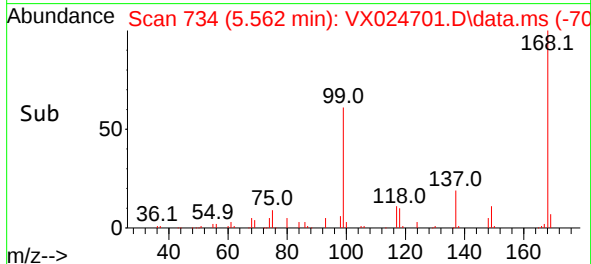
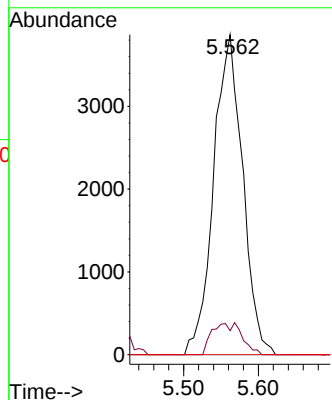
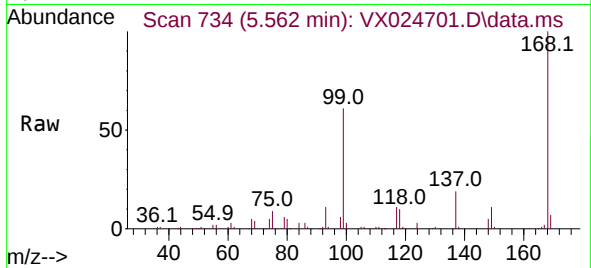




#36
1,1-Dichloropropene
Concen: 4.613 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX024701.D
Acq: 09 Oct 2021 04:30

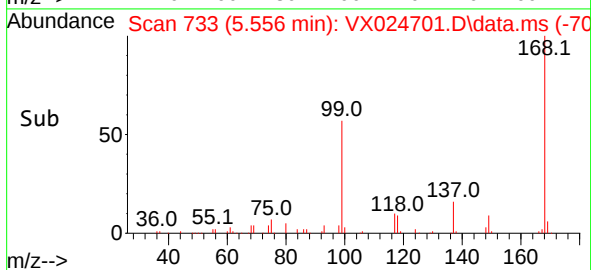
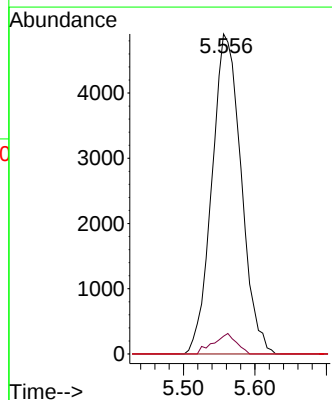
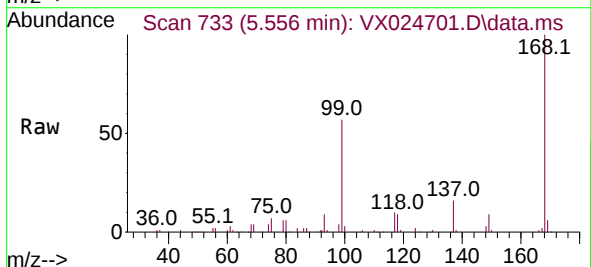
Instrument :
MSVOA_X
ClientSampled :

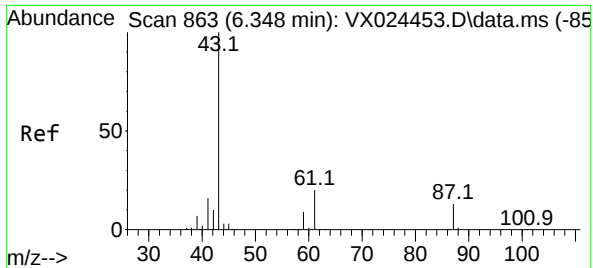
Tgt Ion: 75 Resp: 10443
Ion Ratio Lower Upper
75 100
110 10.2 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.646 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX024701.D
Acq: 09 Oct 2021 04:30

Tgt Ion:117 Resp: 13915
Ion Ratio Lower Upper
117 100
119 5.5 76.2 114.2#
121 0.0 24.8 37.2#

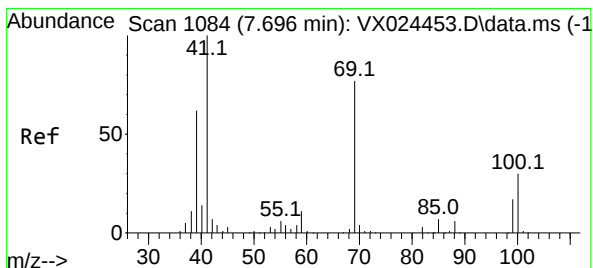
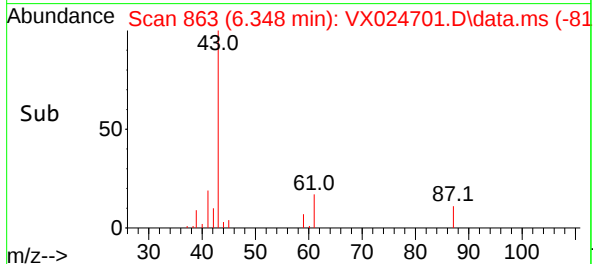
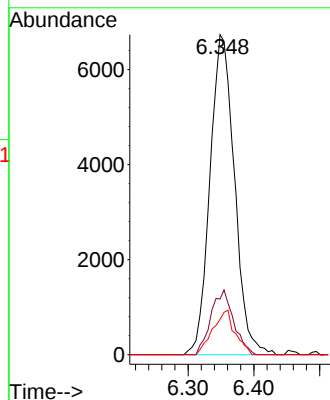
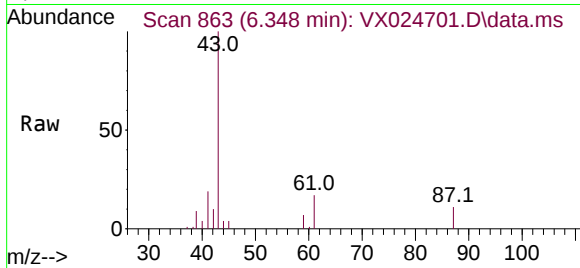




#43
Isopropyl Acetate
Concen: 4.064 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX024701.D
Acq: 09 Oct 2021 04:30

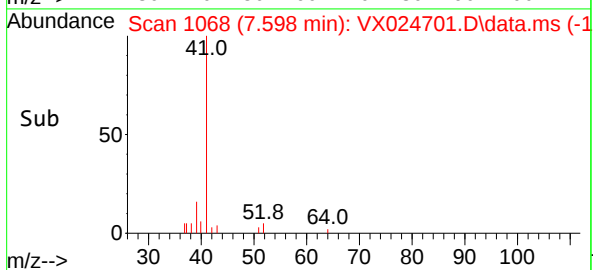
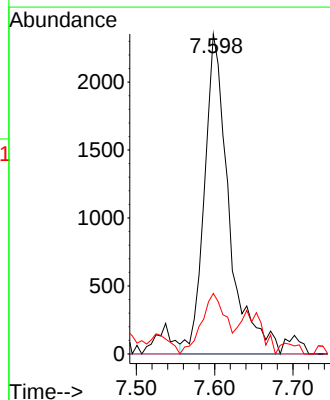
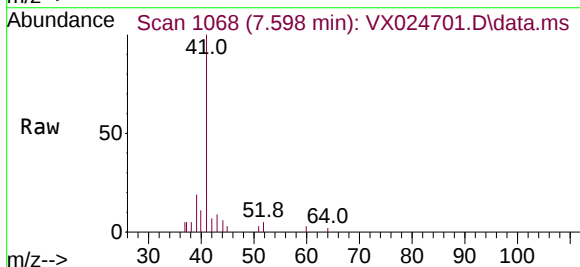
Instrument :
MSVOA_X
ClientSampled :

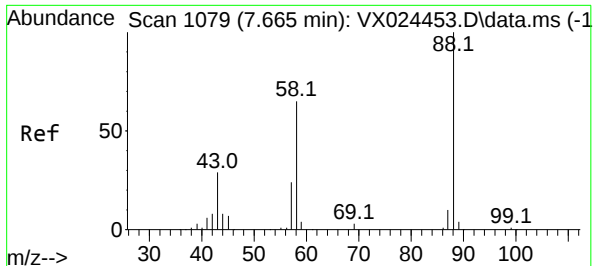
Tgt Ion:	43	Resp:	17462
Ion	Ratio	Lower	Upper
43	100		
61	18.8	18.2	27.4
87	12.6	12.5	18.7



#48
Methyl methacrylate
Concen: 2.404 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX024701.D
Acq: 09 Oct 2021 04:30

Tgt Ion:	41	Resp:	5116
Ion	Ratio	Lower	Upper
41	100		
69	0.0	76.0	114.0#
39	0.0	44.6	67.0#





#49

1,4-Dioxane

Concen: 2.811 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.128 min

Lab File: VX024701.D

Acq: 09 Oct 2021 04:30

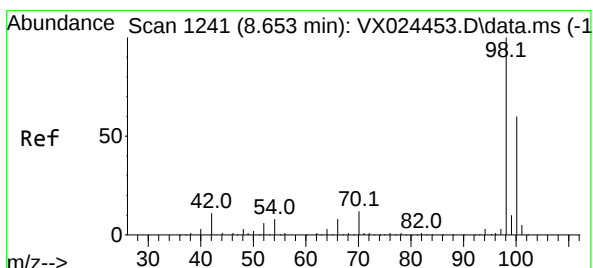
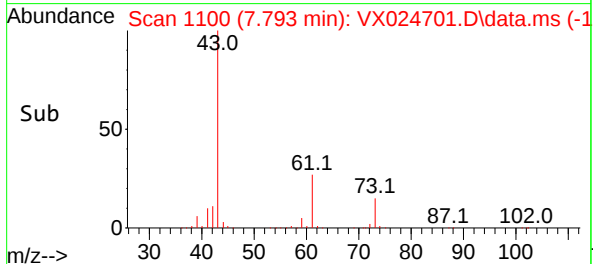
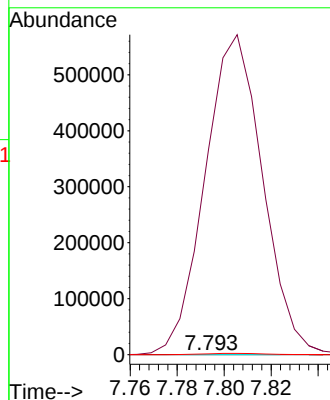
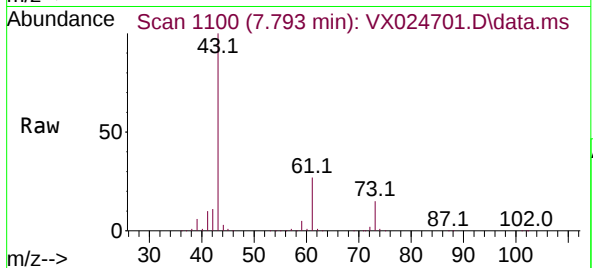
Tgt Ion: 88 Resp: 137

Ion Ratio Lower Upper

88 100

43 716826.3 23.2 34.8#

58 3143.8 55.0 82.4#



#50

Toluene-d8

Concen: 51.431 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX024701.D

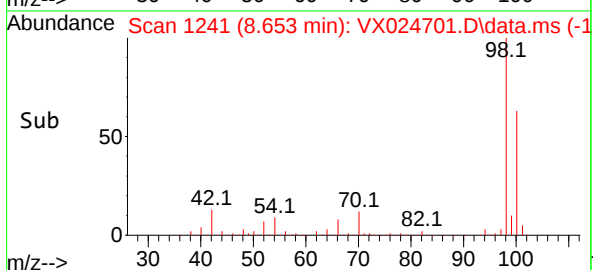
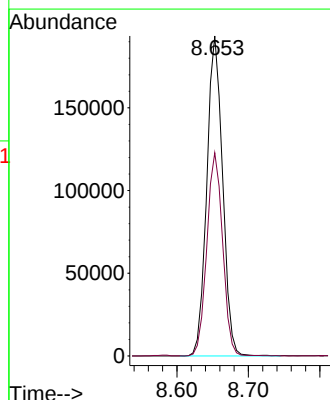
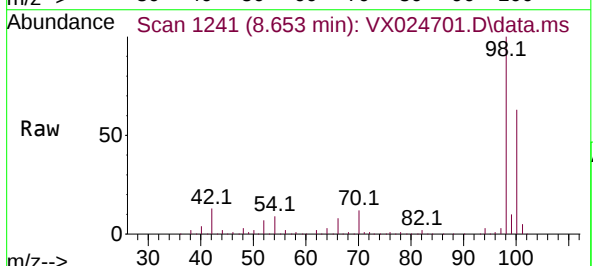
Acq: 09 Oct 2021 04:30

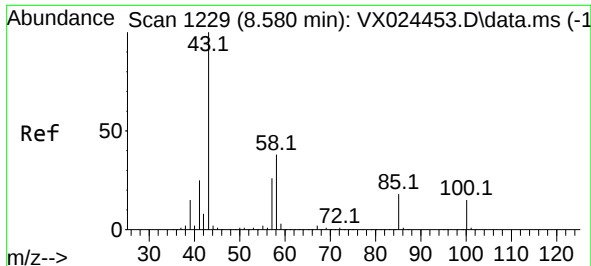
Tgt Ion: 98 Resp: 296976

Ion Ratio Lower Upper

98 100

100 63.4 51.9 77.9

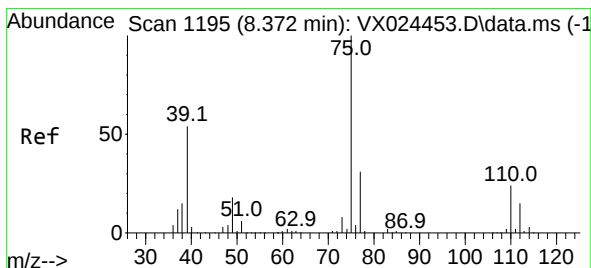
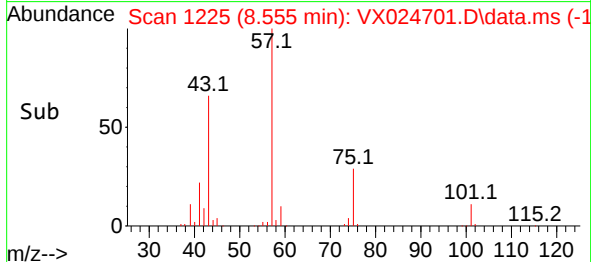
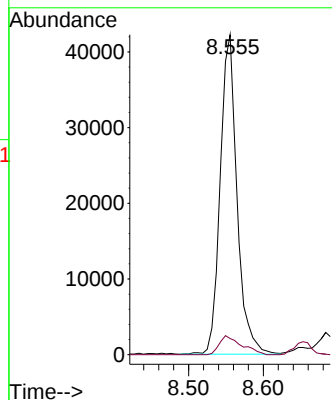
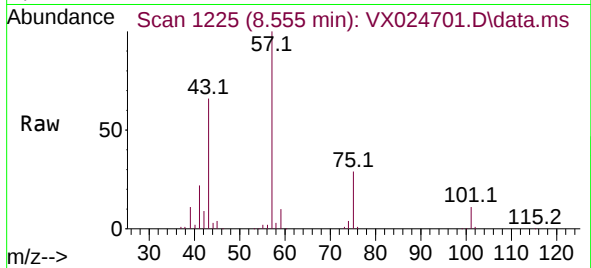




#51
4-Methyl-2-Pentanone
Concen: 23.307 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX024701.D
Acq: 09 Oct 2021 04:30

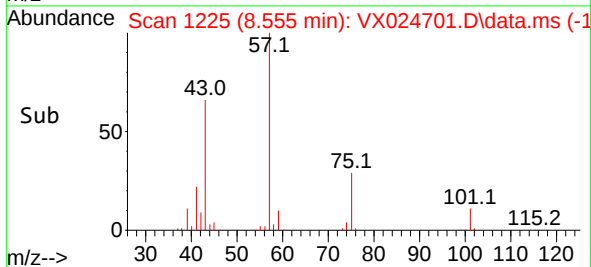
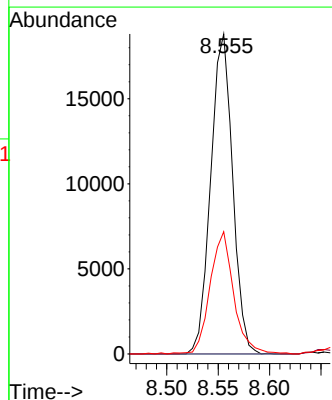
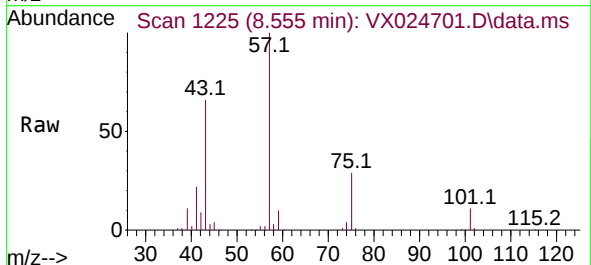
Instrument :
MSVOA_X
ClientSampled :

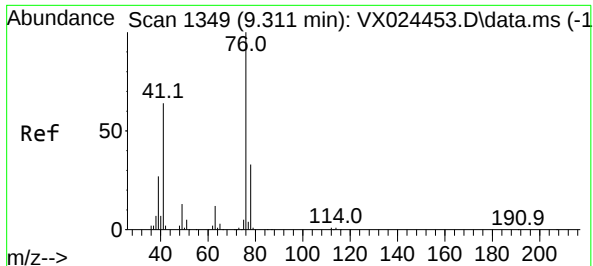
Tgt Ion: 43 Resp: 66120
Ion Ratio Lower Upper
43 100
58 7.8 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 10.534 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX024701.D
Acq: 09 Oct 2021 04:30

Tgt Ion: 75 Resp: 27865
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 37.9 35.1 52.7



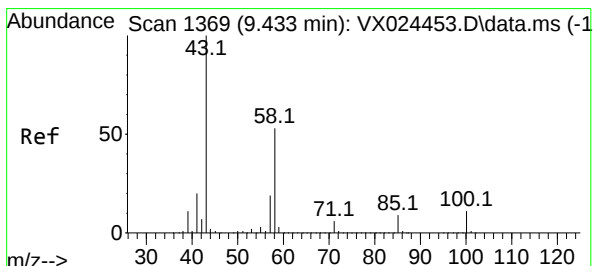
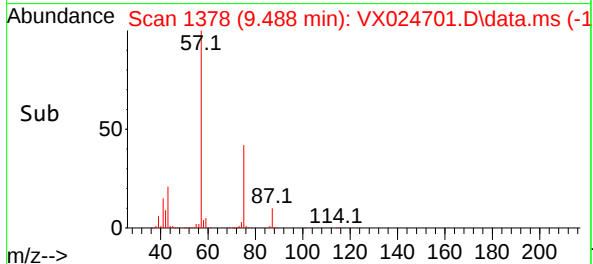
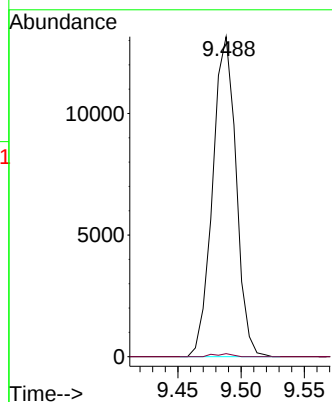
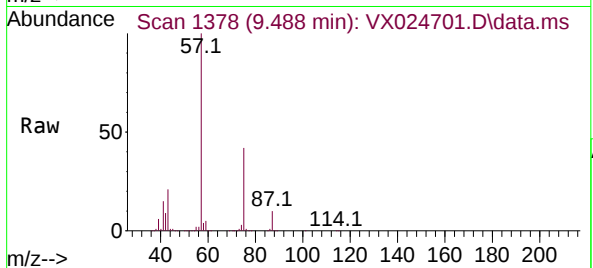


#57

1,3-Dichloropropane
Concen: 5.818 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX024701.D
Acq: 09 Oct 2021 04:30

Instrument :
MSVOA_X
ClientSampled :

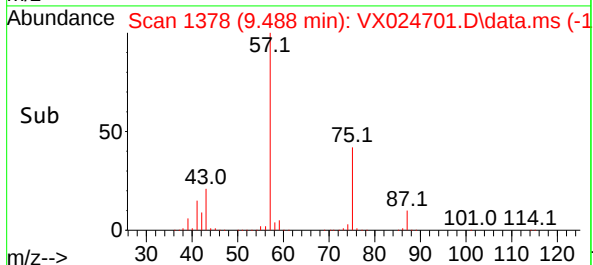
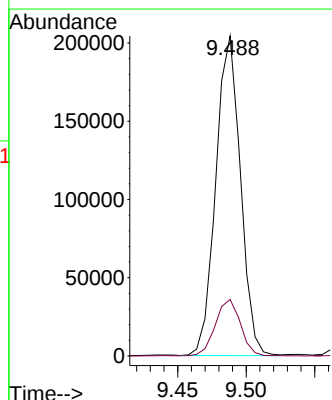
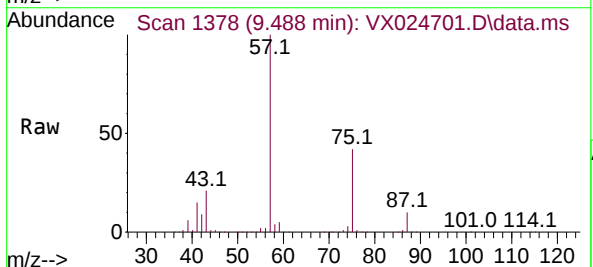
Tgt Ion: 76 Resp: 16975
Ion Ratio Lower Upper
76 100
78 0.7 26.2 39.2#

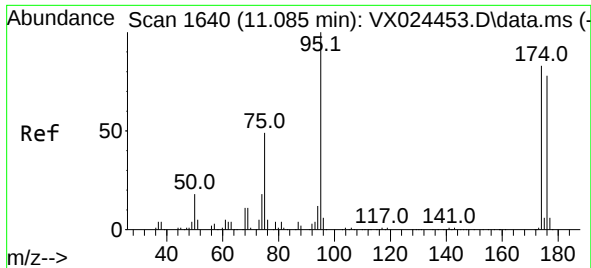


#59

2-Hexanone
Concen: 114.315 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX024701.D
Acq: 09 Oct 2021 04:30

Tgt Ion: 43 Resp: 255392
Ion Ratio Lower Upper
43 100
58 18.0 30.9 92.8#

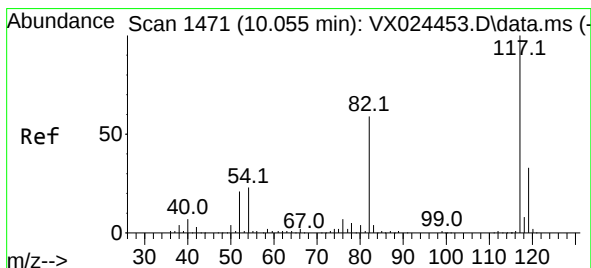
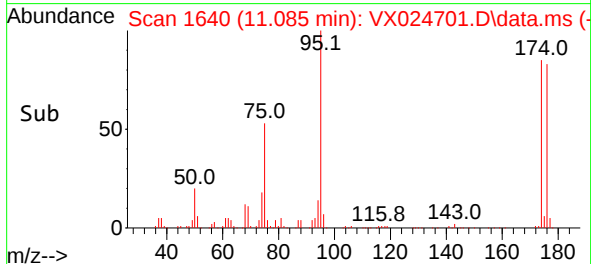
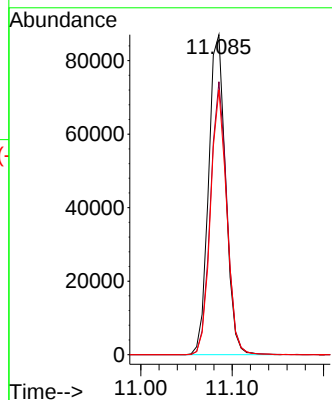
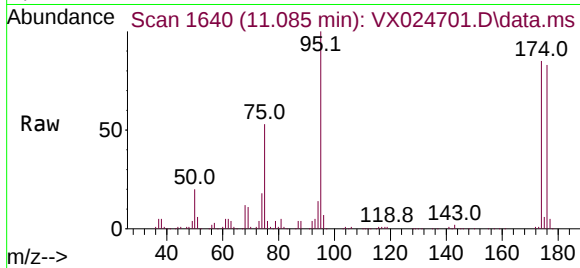




#62
4-Bromofluorobenzene
Concen: 49.524 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024701.D
Acq: 09 Oct 2021 04:30

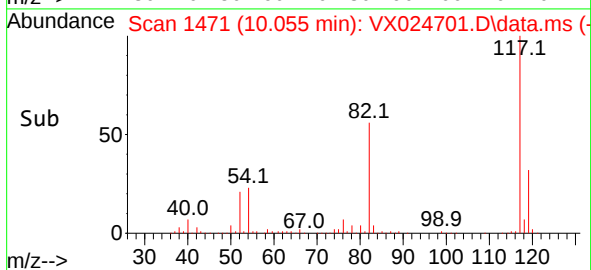
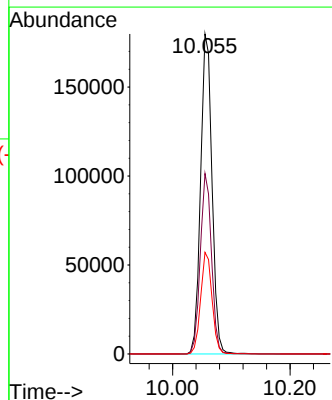
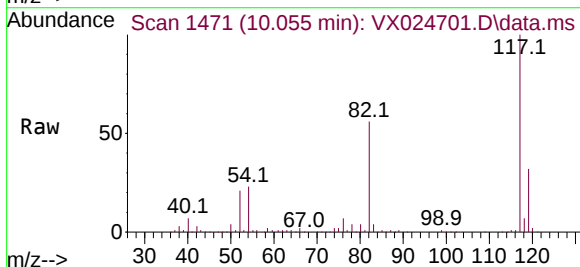
Instrument :
MSVOA_X
ClientSampleId :

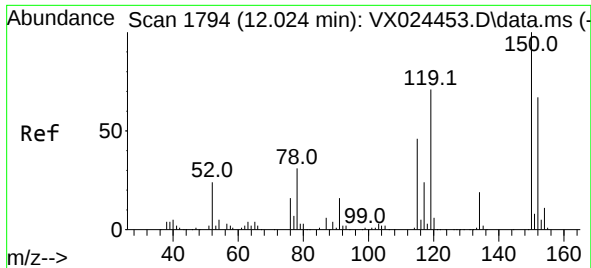
Tgt Ion: 95 Resp: 112436
Ion Ratio Lower Upper
95 100
174 82.6 0.0 154.6
176 79.2 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024701.D
Acq: 09 Oct 2021 04:30

Tgt Ion: 117 Resp: 242563
Ion Ratio Lower Upper
117 100
82 56.4 47.4 71.2
119 31.8 26.6 39.8

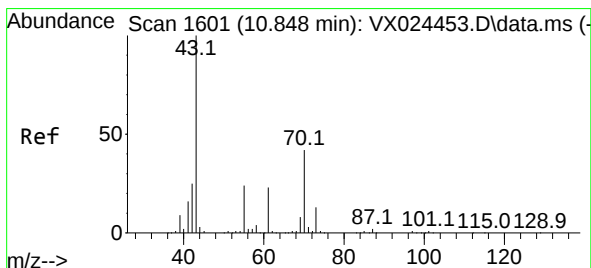
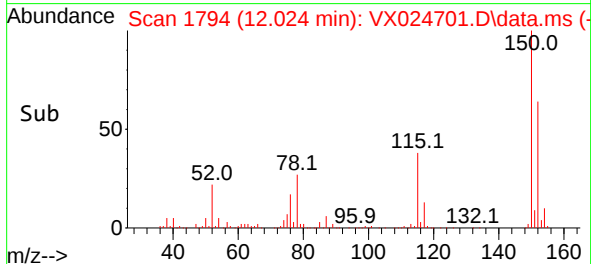
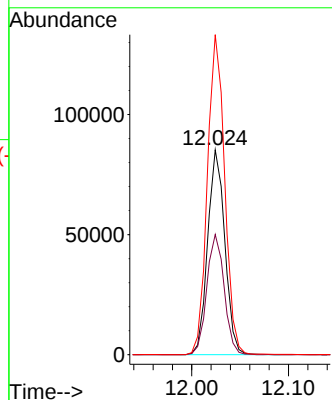
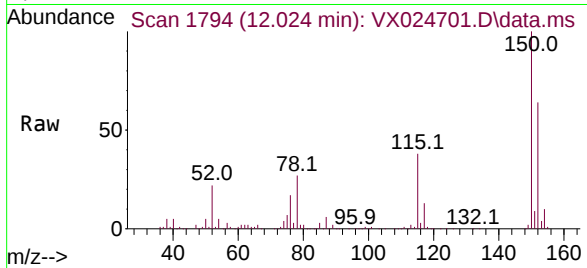




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024701.D
Acq: 09 Oct 2021 04:30

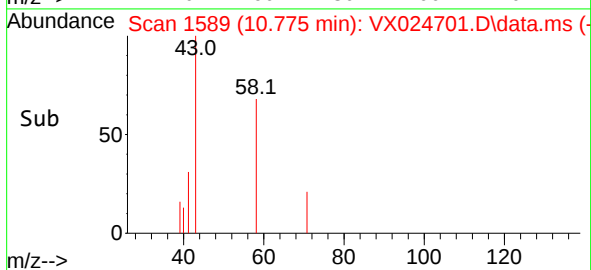
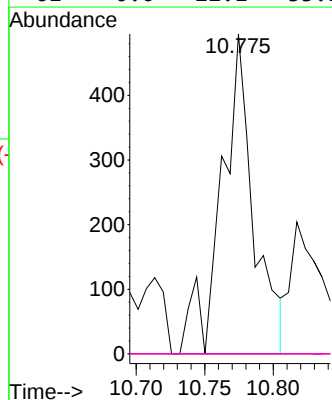
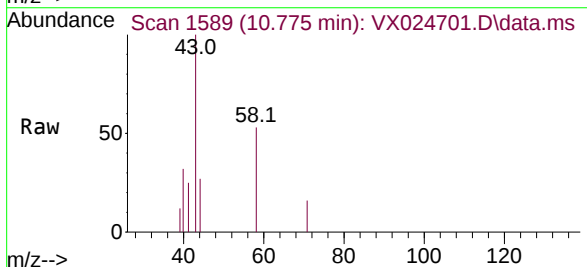
Instrument :
MSVOA_X
ClientSampled :

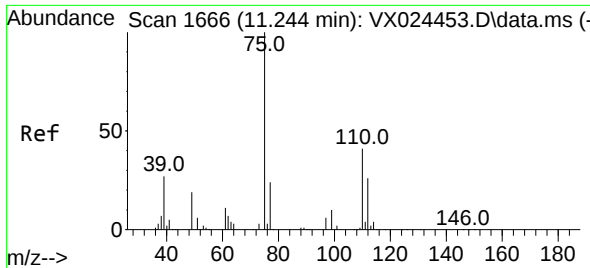
Tgt Ion:152 Resp: 104922
Ion Ratio Lower Upper
152 100
115 59.5 41.1 123.3
150 157.6 0.0 349.0



#74
N-ethyl acetate
Concen: 0.239 ug/l
RT: 10.775 min Scan# 1589
Delta R.T. -0.073 min
Lab File: VX024701.D
Acq: 09 Oct 2021 04:30

Tgt Ion: 43 Resp: 814
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 0.0 21.5 32.3#
61 0.0 22.1 33.1#

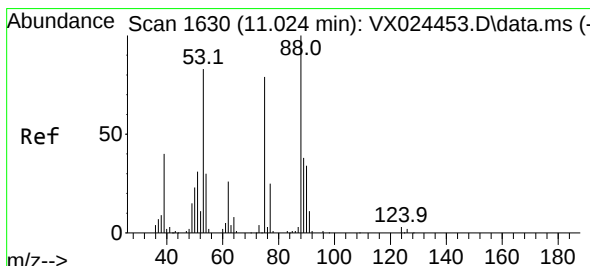
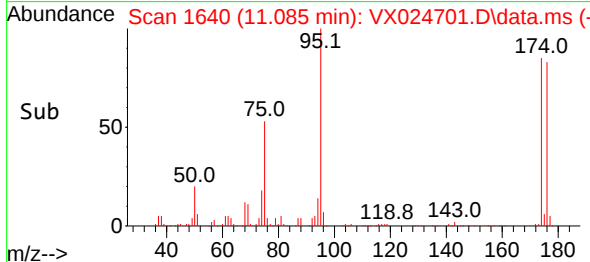
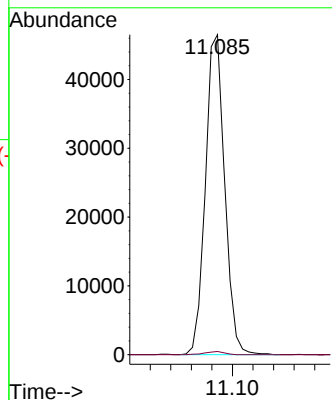
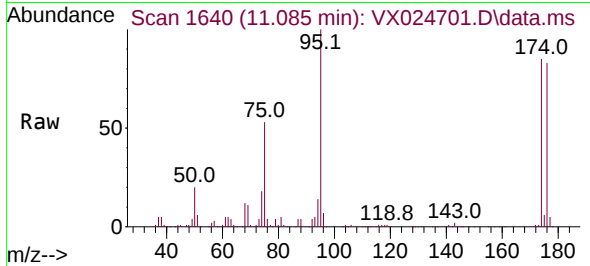




#76
1,2,3-Trichloropropane
Concen: 25.428 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024701.D
Acq: 09 Oct 2021 04:30

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 60588
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.308 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024701.D
Acq: 09 Oct 2021 04:30

Tgt Ion: 75 Resp: 60588
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

