

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101121\
 Data File : VX024741.D
 Acq On : 12 Oct 2021 04:10
 Operator : JC/MD
 Sample : M4158-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 12 08:10:06 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)

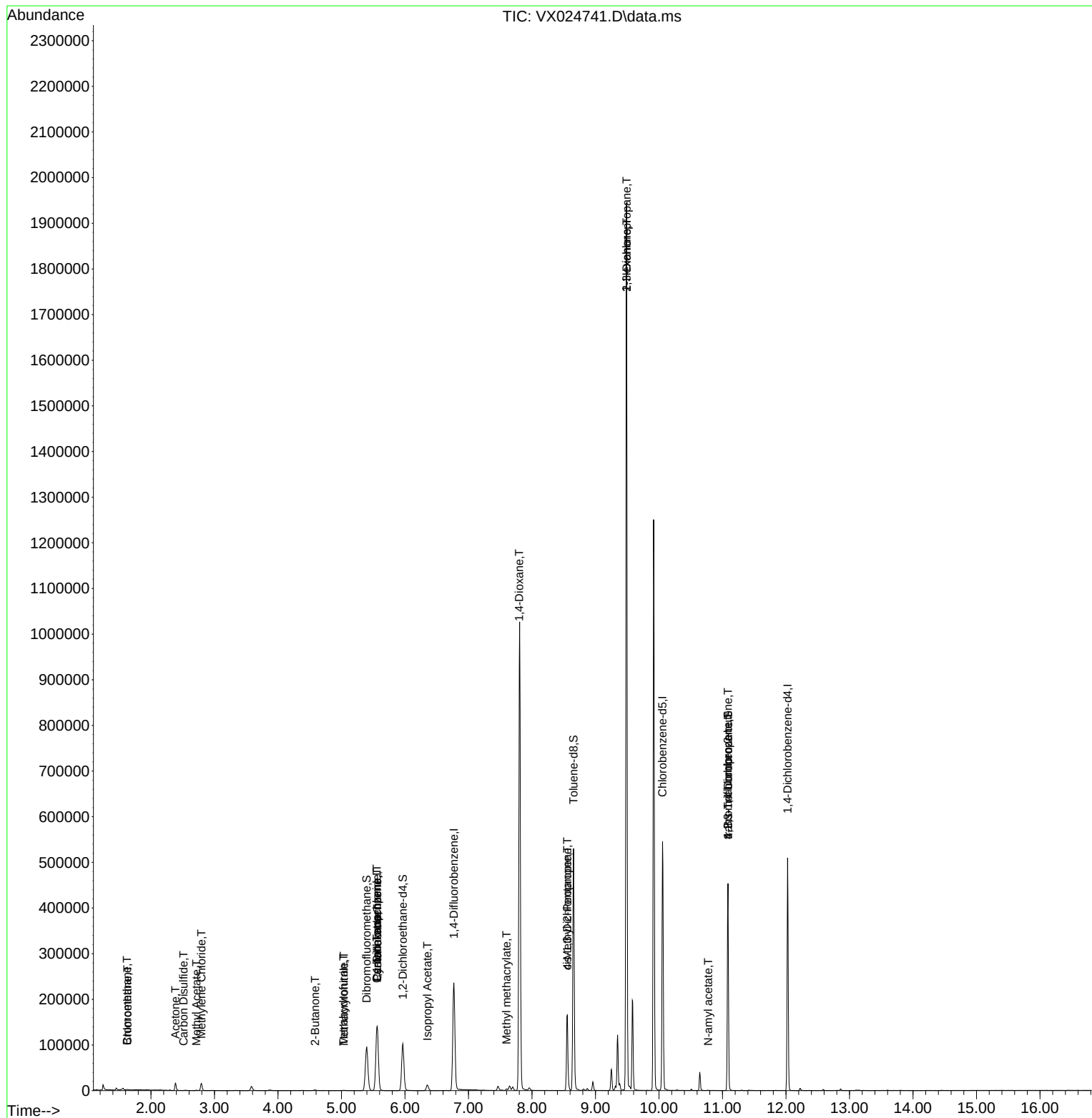
Internal Standards						
1) Pentafluorobenzene	5.562	168	132475	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	233815	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	235797	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99807	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	101291	54.251	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	108.500%
35) Dibromofluoromethane	5.397	113	80603	51.892	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.780%
50) Toluene-d8	8.653	98	294390	51.494	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.980%
62) 4-Bromofluorobenzene	11.085	95	110693	49.245	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.500%
Target Compounds						
						Qvalue
5) Bromomethane	1.624	94	256	0.289	ug/l #	34
6) Chloroethane	1.630	64	400	0.713	ug/l #	43
11) Tert butyl alcohol	2.971	59	536	Below Cal	#	73
16) Acetone	2.386	43	16589	11.378	ug/l	91
17) Carbon Disulfide	2.514	76	204	0.293	ug/l #	75
18) Methyl Acetate	2.715	43	1208	0.432	ug/l	90
20) Methylene Chloride	2.794	84	6691	3.731	ug/l #	79
25) 2-Butanone	4.587	43	2572	2.000	ug/l	91
29) Tetrahydrofuran	5.032	42	357	0.436	ug/l #	37
31) Cyclohexane	5.562	56	2929	1.310	ug/l #	22
36) 1,1-Dichloropropene	5.556	75	10677	4.763	ug/l #	49
38) Carbon Tetrachloride	5.556	117	13928	5.708	ug/l #	16
41) Methacrylonitrile	5.038	41	452	0.313	ug/l #	37
43) Isopropyl Acetate	6.355	43	16288	3.828	ug/l #	92
48) Methyl methacrylate	7.598	41	5116	2.428	ug/l #	10
49) 1,4-Dioxane	7.799	88	63	1.306	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	60533	21.552	ug/l #	45
54) cis-1,3-Dichloropropene	8.555	75	25593	9.772	ug/l #	69
57) 1,3-Dichloropropane	9.488	76	15605	5.402	ug/l #	42
59) 2-Hexanone	9.488	43	232384	105.059	ug/l #	43
74) N-amyl acetate	10.775	43	737	0.227	ug/l #	38
76) 1,2,3-Trichloropropane	11.085	75	59853	26.407	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	59853	71.902	ug/l #	12

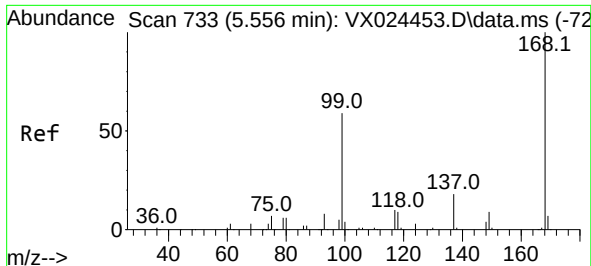
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Sep 23 18:24:34 2021
Response via : Initial Calibration

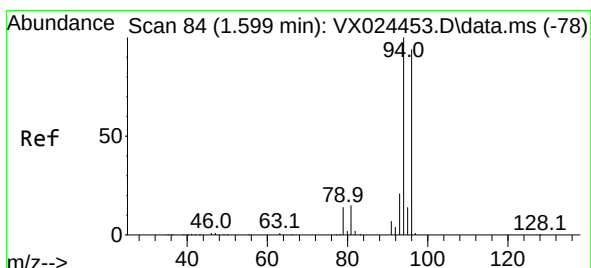
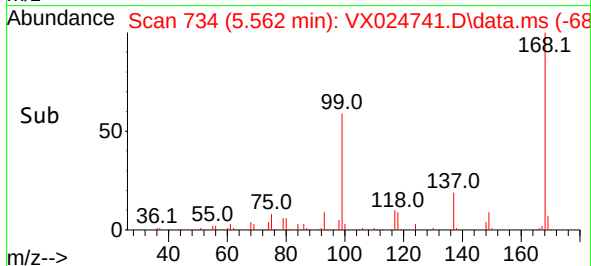
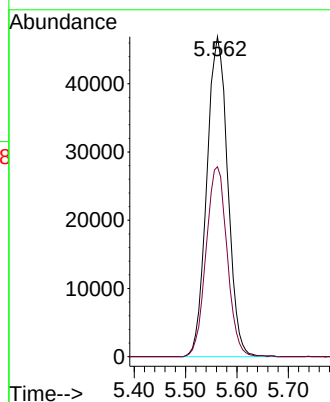
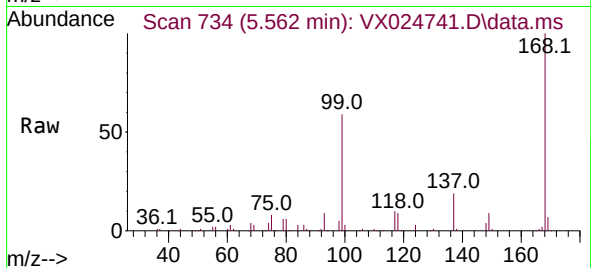




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024741.D
Acq: 12 Oct 2021 04:10

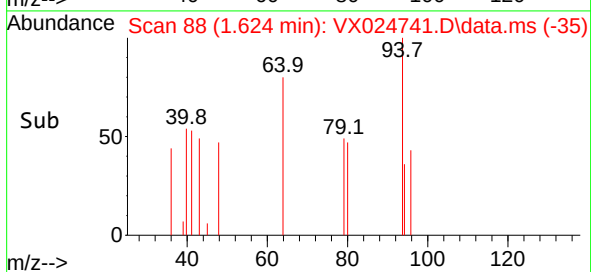
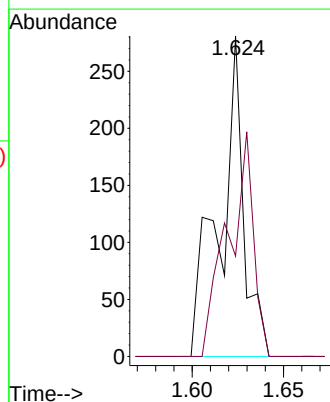
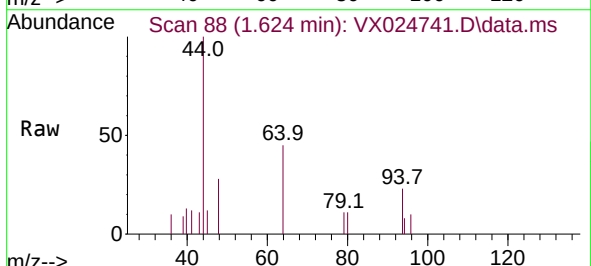
Instrument :
MSVOA_X
ClientSampled :

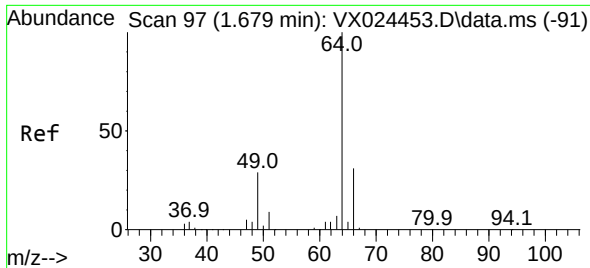
Tgt Ion:168 Resp: 132475
Ion Ratio Lower Upper
168 100
99 59.3 45.8 68.6



#5
Bromomethane
Concen: 0.289 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX024741.D
Acq: 12 Oct 2021 04:10

Tgt Ion: 94 Resp: 256
Ion Ratio Lower Upper
94 100
96 31.3 76.4 114.6#

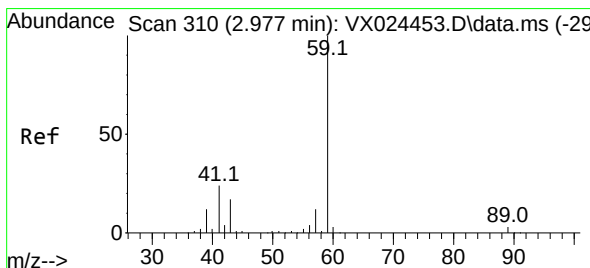
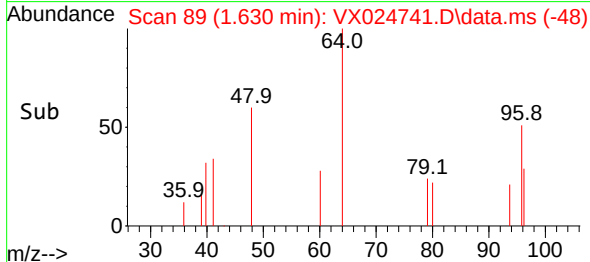
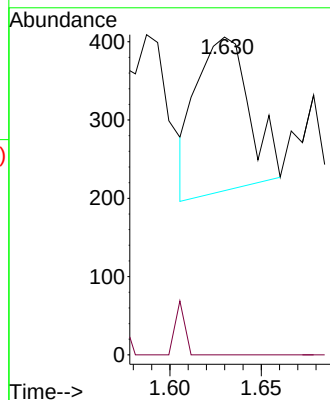
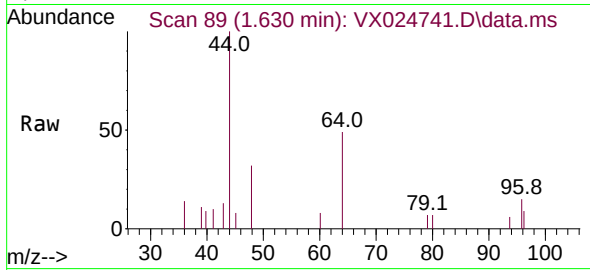




#6
Chloroethane
Concen: 0.713 ug/l
RT: 1.630 min Scan# 89
Delta R.T. -0.049 min
Lab File: VX024741.D
Acq: 12 Oct 2021 04:10

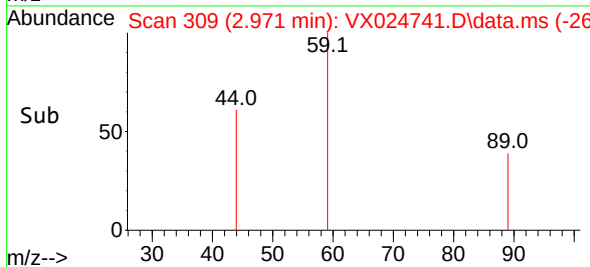
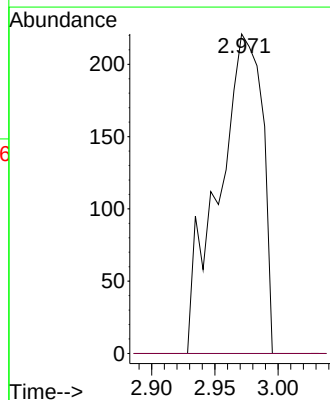
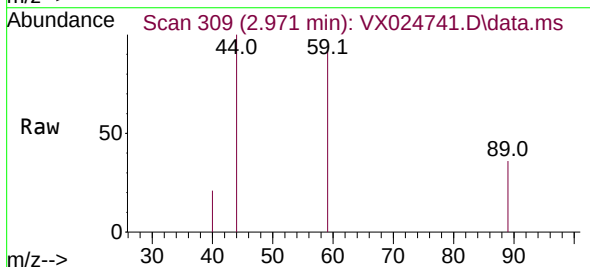
Instrument :
MSVOA_X
ClientSampled :

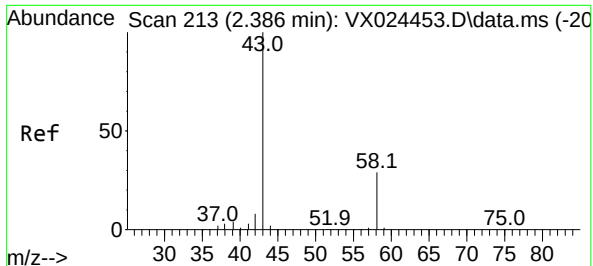
Tgt Ion: 64 Resp: 400
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX024741.D
Acq: 12 Oct 2021 04:10

Tgt Ion: 59 Resp: 536
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

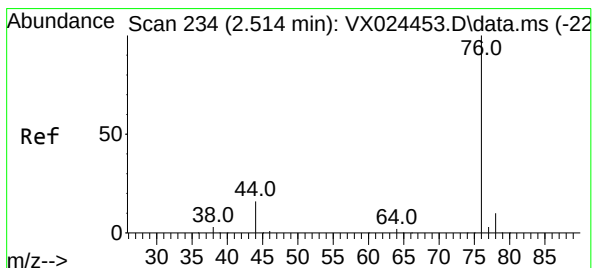
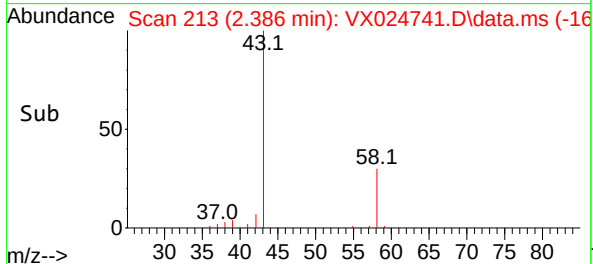
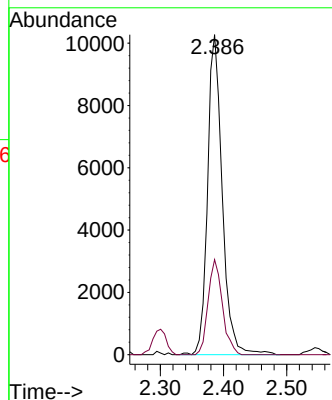
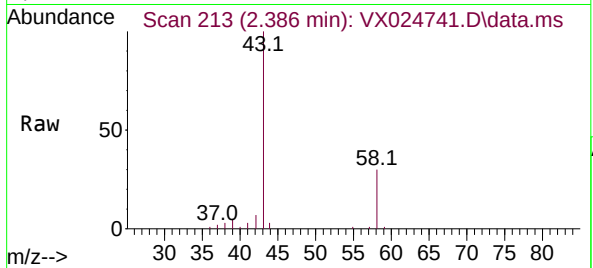




#16
Acetone
Concen: 11.378 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024741.D
Acq: 12 Oct 2021 04:10

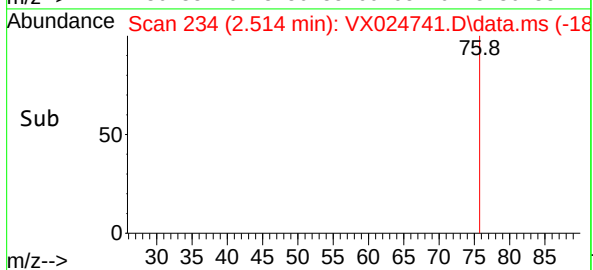
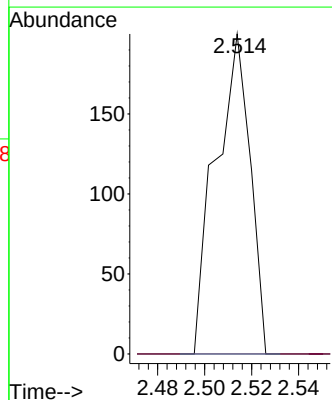
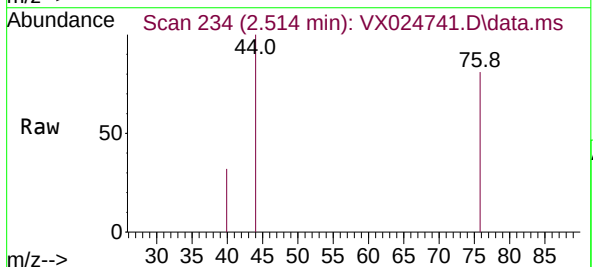
Instrument :
MSVOA_X
ClientSampled :

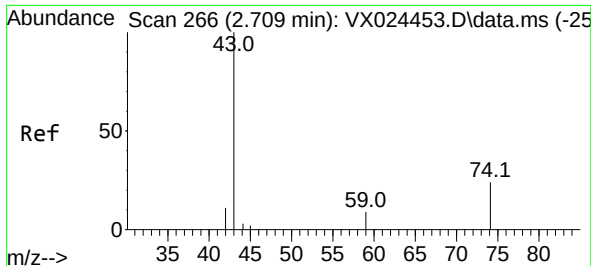
Tgt Ion: 43 Resp: 16589
Ion Ratio Lower Upper
43 100
58 29.7 27.8 41.8



#17
Carbon Disulfide
Concen: 0.293 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024741.D
Acq: 12 Oct 2021 04:10

Tgt Ion: 76 Resp: 204
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

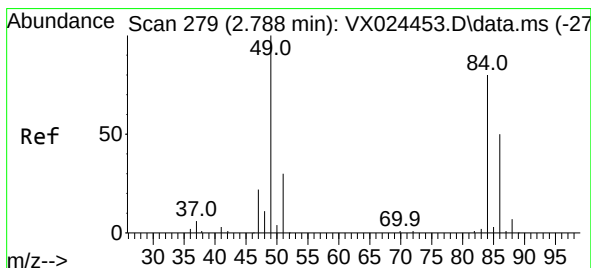
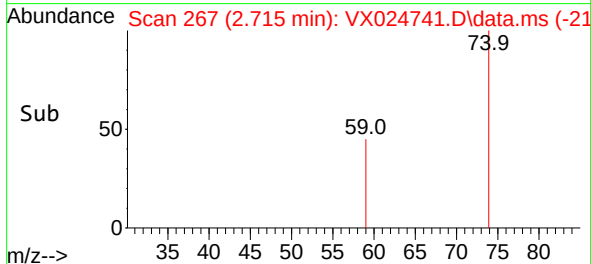
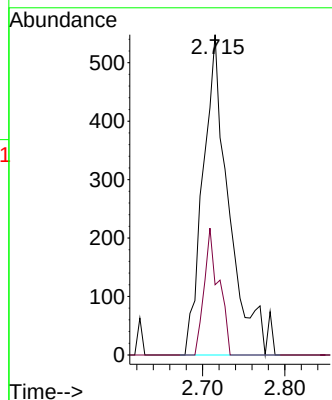
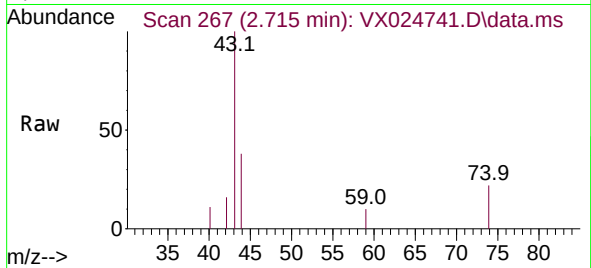




#18
Methyl Acetate
Concen: 0.432 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX024741.D
Acq: 12 Oct 2021 04:10

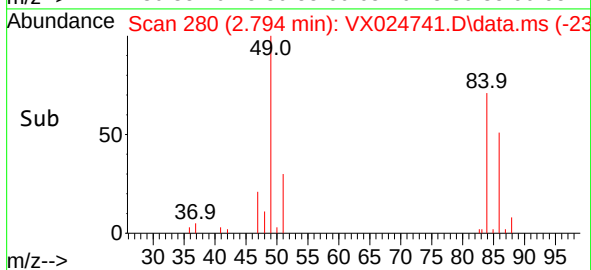
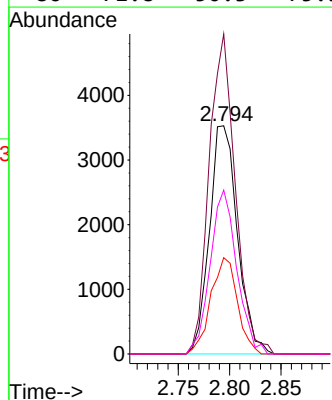
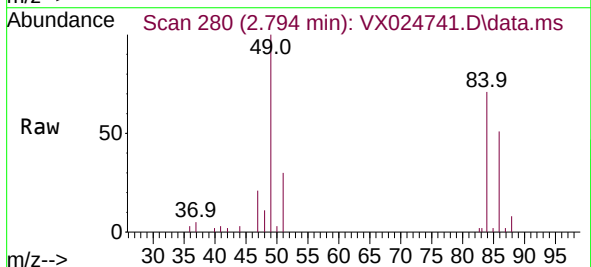
Instrument :
MSVOA_X
ClientSampled :

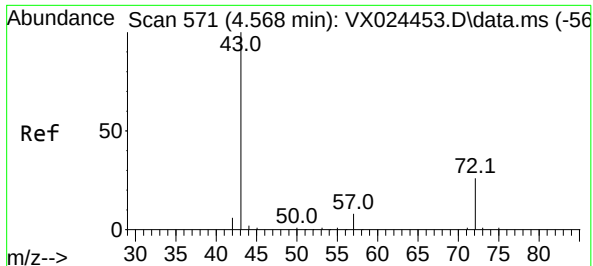
Tgt Ion: 43 Resp: 1208
Ion Ratio Lower Upper
43 100
74 22.2 21.9 32.9



#20
Methylene Chloride
Concen: 3.731 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX024741.D
Acq: 12 Oct 2021 04:10

Tgt Ion: 84 Resp: 6691
Ion Ratio Lower Upper
84 100
49 140.2 88.6 132.8#
51 42.2 27.0 40.6#
86 71.8 50.3 75.5

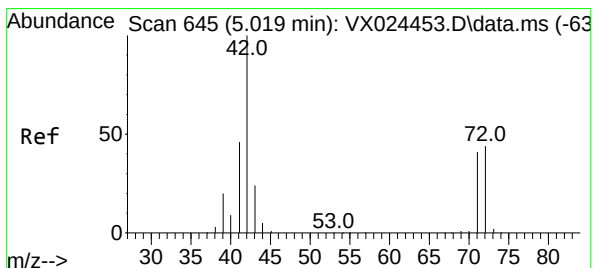
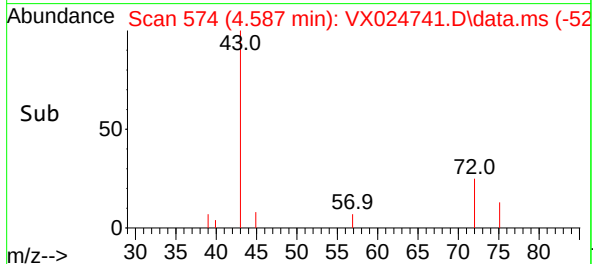
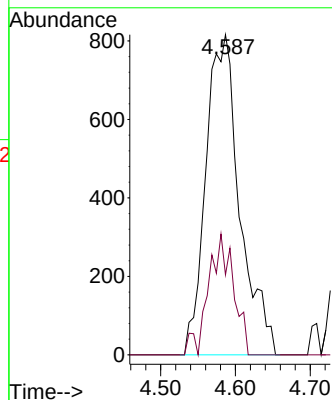
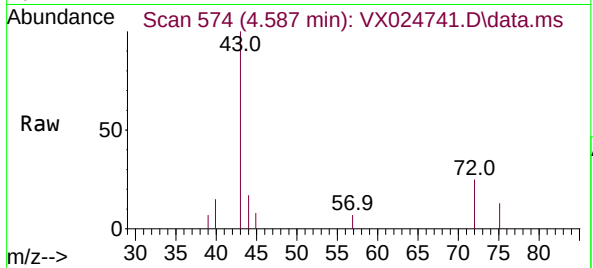




#25
2-Butanone
Concen: 2.000 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.019 min
Lab File: VX024741.D
Acq: 12 Oct 2021 04:10

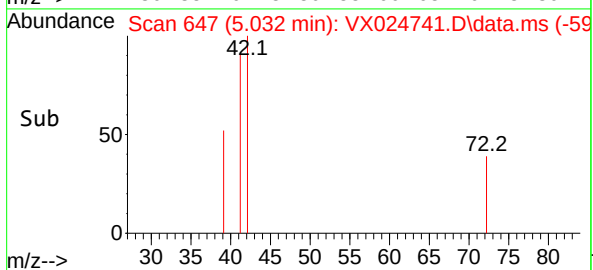
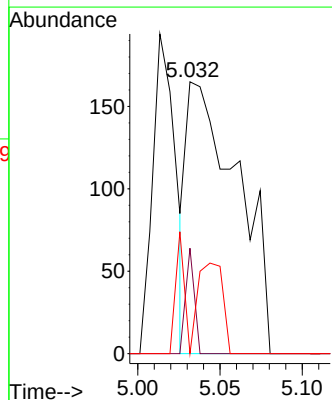
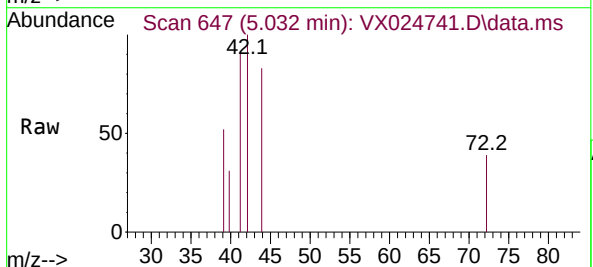
Instrument :
MSVOA_X
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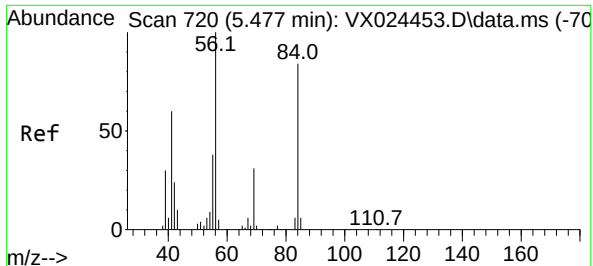
Tgt Ion: 43 Resp: 2572
Ion Ratio Lower Upper
43 100
72 25.0 23.7 35.5



#29
Tetrahydrofuran
Concen: 0.436 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.013 min
Lab File: VX024741.D
Acq: 12 Oct 2021 04:10

Tgt Ion: 42 Resp: 357
Ion Ratio Lower Upper
42 100
72 6.4 41.7 62.5#
71 7.6 38.4 57.6#

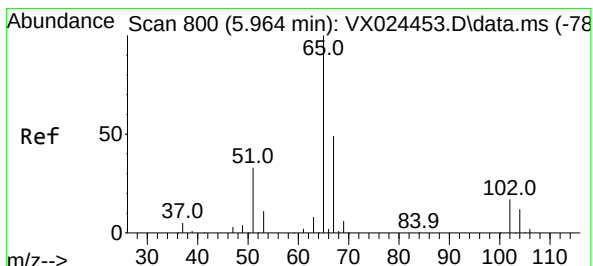
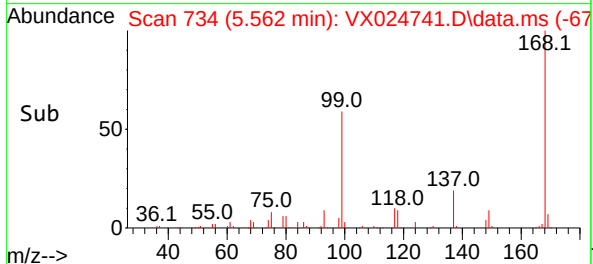
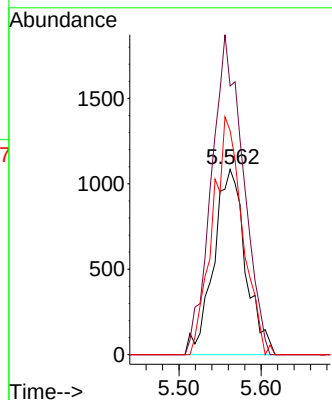
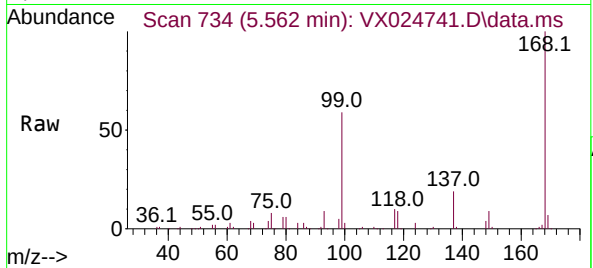




#31
Cyclohexane
Concen: 1.310 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX024741.D
Acq: 12 Oct 2021 04:10

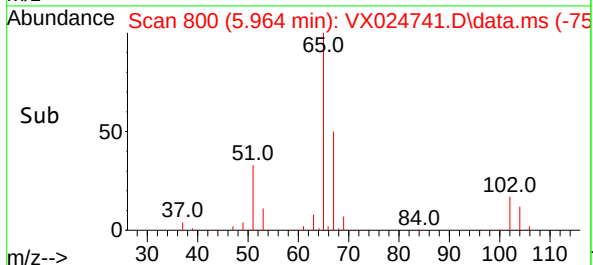
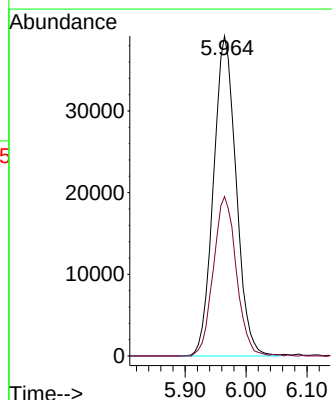
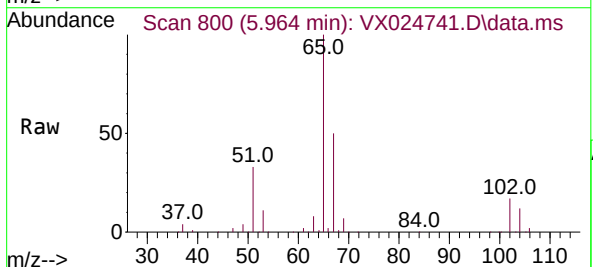
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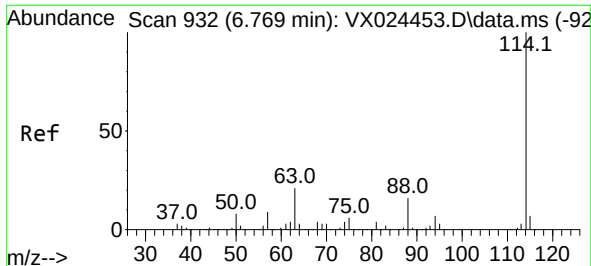
Tgt Ion: 56 Resp: 2929
Ion Ratio Lower Upper
56 100
69 144.9 25.3 37.9#
84 120.7 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 54.251 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024741.D
Acq: 12 Oct 2021 04:10

Tgt Ion: 65 Resp: 101291
Ion Ratio Lower Upper
65 100
67 50.4 0.0 105.4

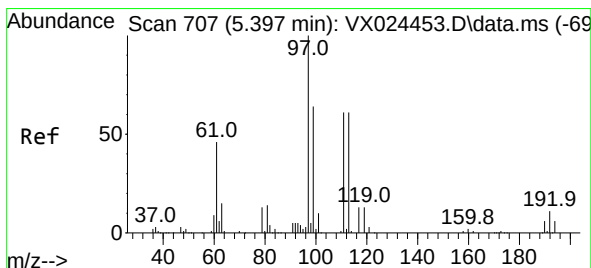
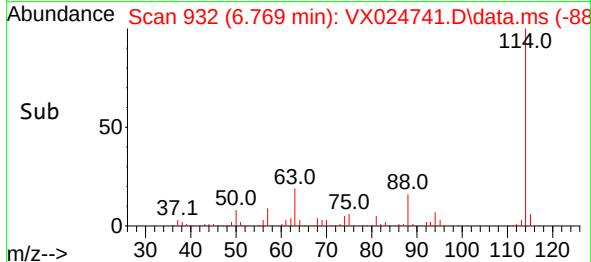
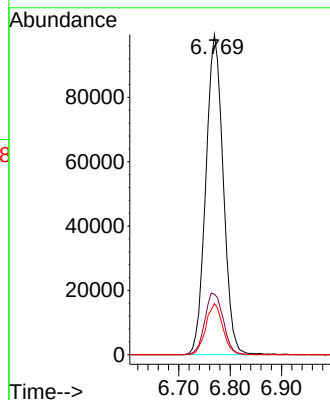
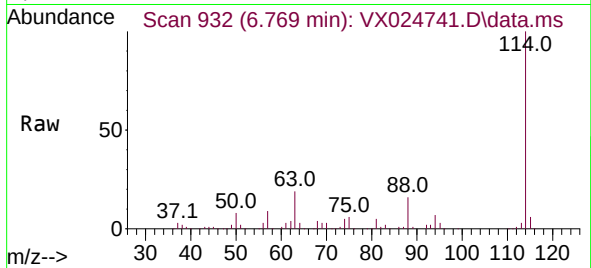




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024741.D
Acq: 12 Oct 2021 04:10

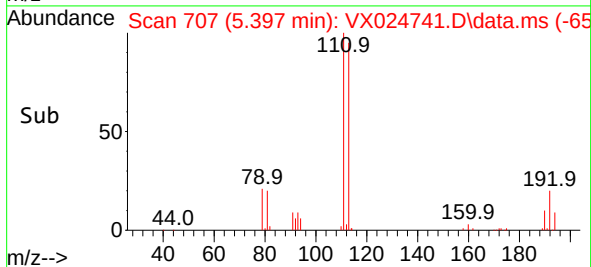
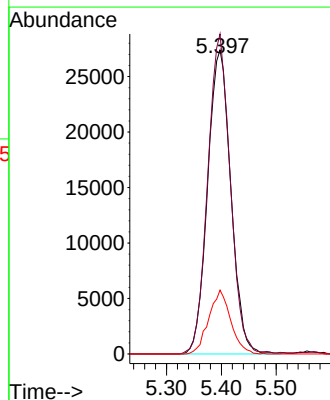
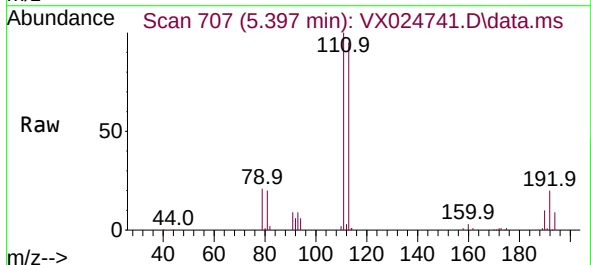
Instrument :
MSVOA_X
ClientSampleId :

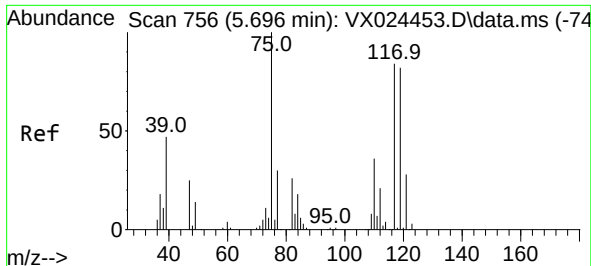
Tgt Ion:114 Resp: 233815
Ion Ratio Lower Upper
114 100
63 18.9 0.0 40.8
88 16.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.892 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024741.D
Acq: 12 Oct 2021 04:10

Tgt Ion:113 Resp: 80603
Ion Ratio Lower Upper
113 100
111 101.9 81.9 122.9
192 19.8 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.763 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX024741.D

Acq: 12 Oct 2021 04:10

Tgt Ion: 75 Resp: 10677

Ion Ratio Lower Upper

75 100

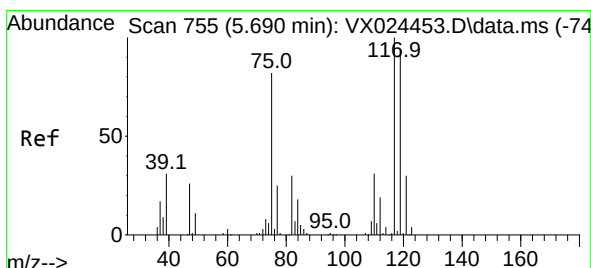
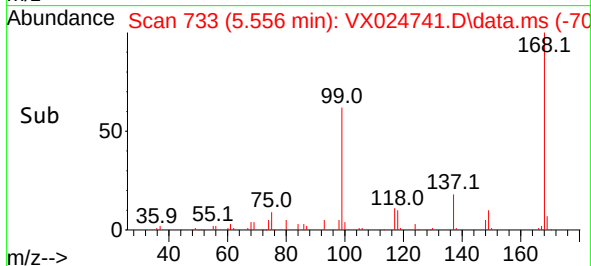
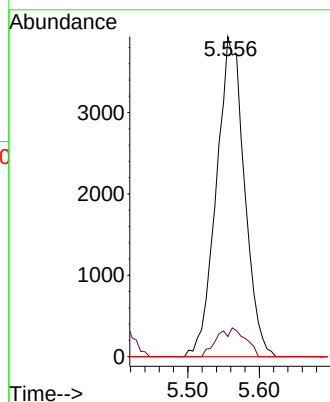
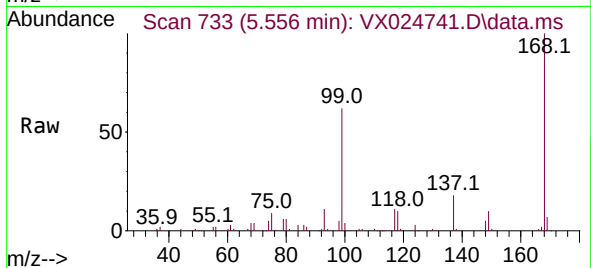
110 9.2 18.1 54.4#

77 0.0 25.3 37.9#

Instrument :

MSVOA_X

ClientSampleId :



#38

Carbon Tetrachloride

Concen: 5.708 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX024741.D

Acq: 12 Oct 2021 04:10

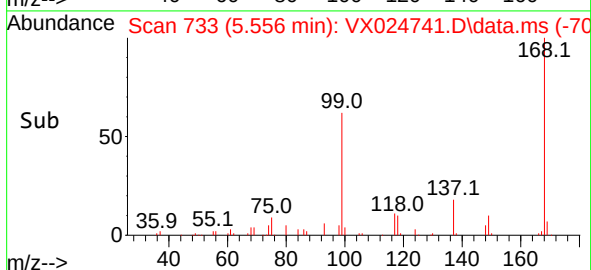
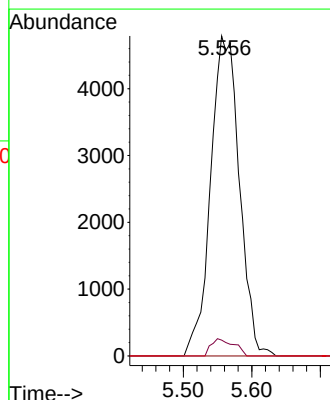
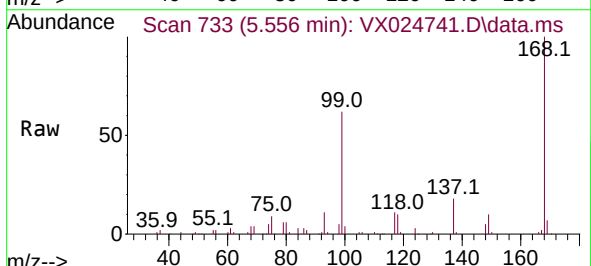
Tgt Ion:117 Resp: 13928

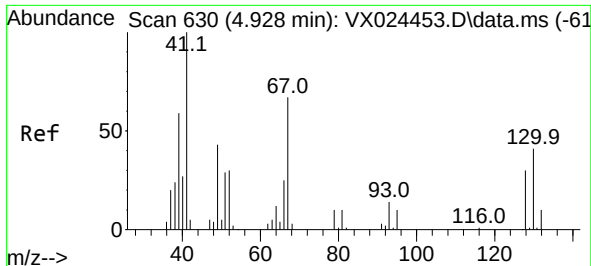
Ion Ratio Lower Upper

117 100

119 4.9 76.2 114.2#

121 0.0 24.8 37.2#

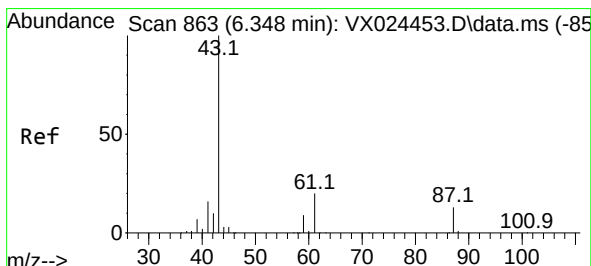
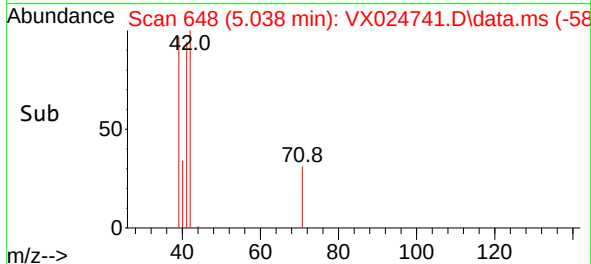
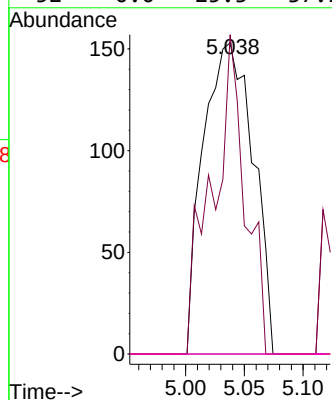
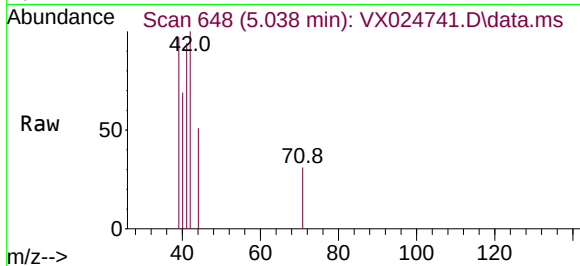




#41
Methacrylonitrile
Concen: 0.313 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.110 min
Lab File: VX024741.D
Acq: 12 Oct 2021 04:10

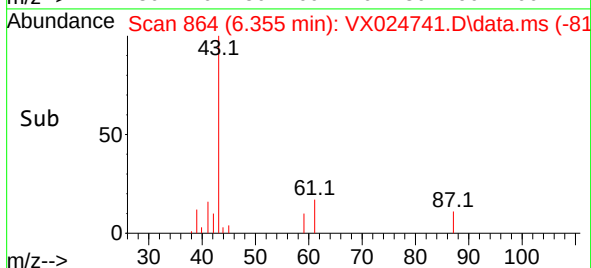
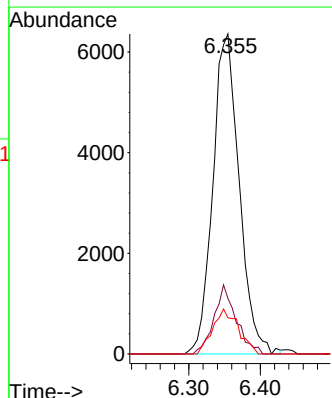
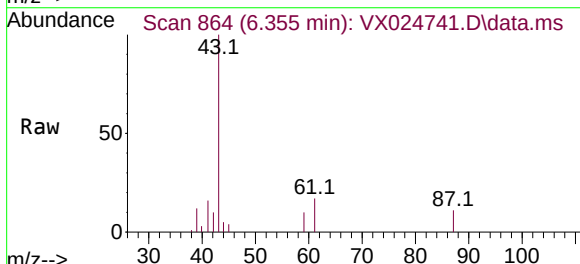
Instrument :
MSVOA_X
ClientSampled :

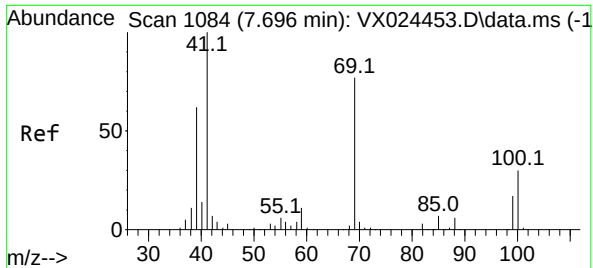
Tgt Ion:	41	Resp:	452
Ion	Ratio	Lower	Upper
41	100		
39	68.6	42.5	63.7#
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#43
Isopropyl Acetate
Concen: 3.828 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.007 min
Lab File: VX024741.D
Acq: 12 Oct 2021 04:10

Tgt Ion:	43	Resp:	16288
Ion	Ratio	Lower	Upper
43	100		
61	18.1	18.2	27.4#
87	13.6	12.5	18.7

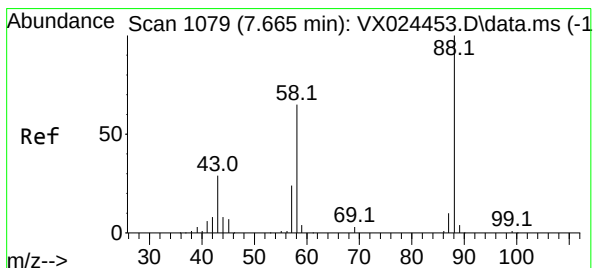
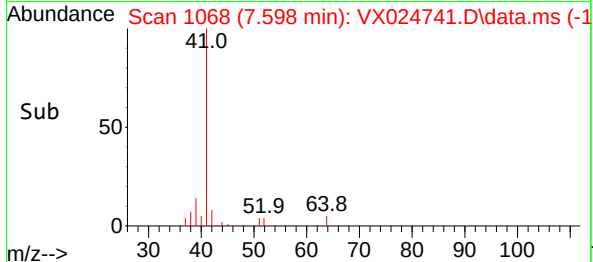
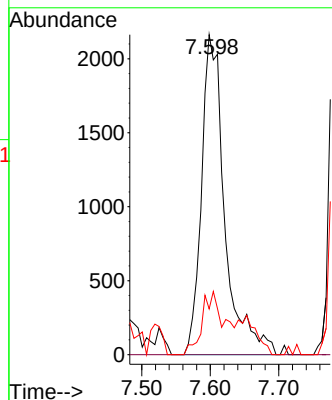
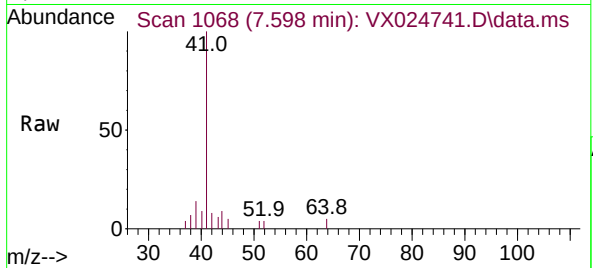




#48
Methyl methacrylate
Concen: 2.428 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX024741.D
Acq: 12 Oct 2021 04:10

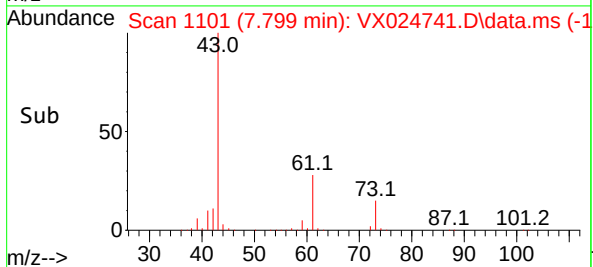
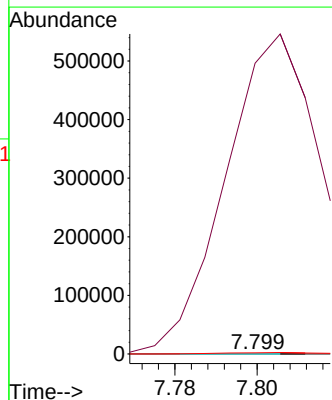
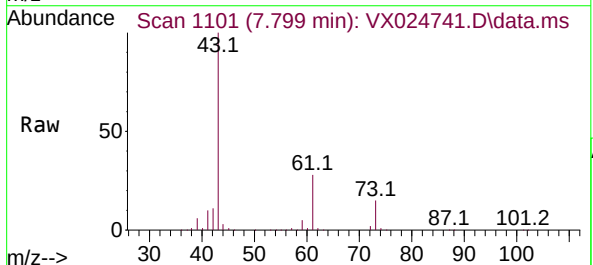
Instrument :
MSVOA_X
ClientSampled :

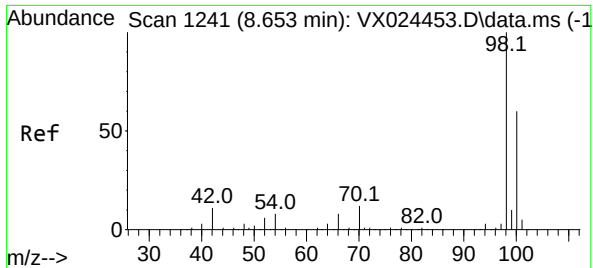
Tgt Ion: 41 Resp: 5116
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 1.306 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.134 min
Lab File: VX024741.D
Acq: 12 Oct 2021 04:10

Tgt Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
43 1460573.0 23.2 34.8#
58 6439.7 55.0 82.4#

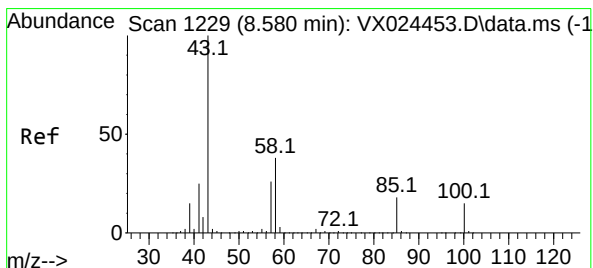
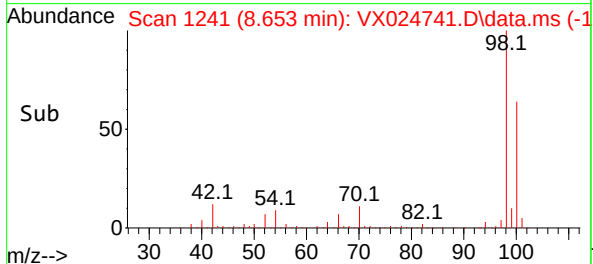
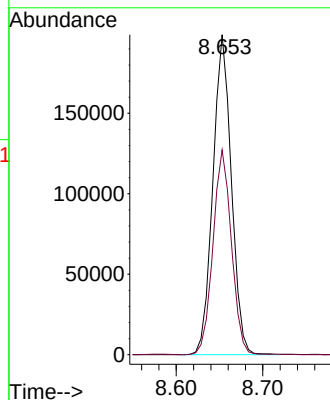
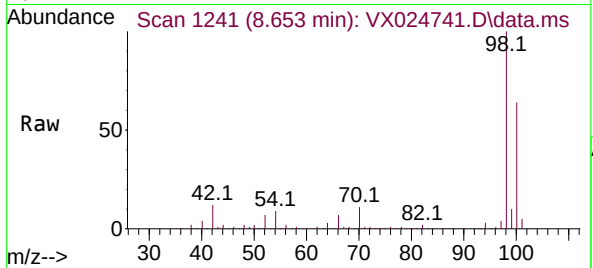




#50
Toluene-d8
Concen: 51.494 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024741.D
Acq: 12 Oct 2021 04:10

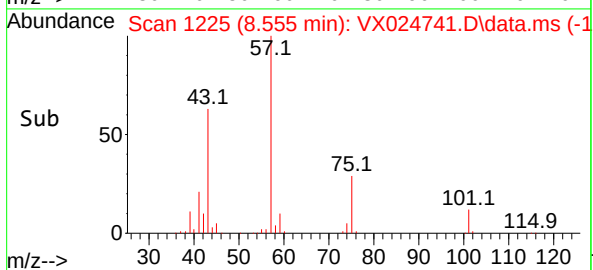
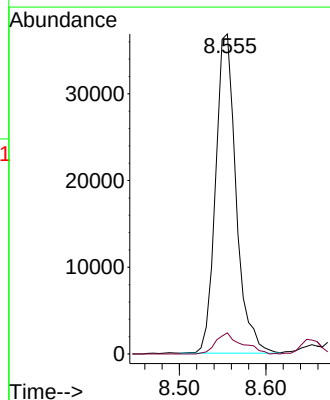
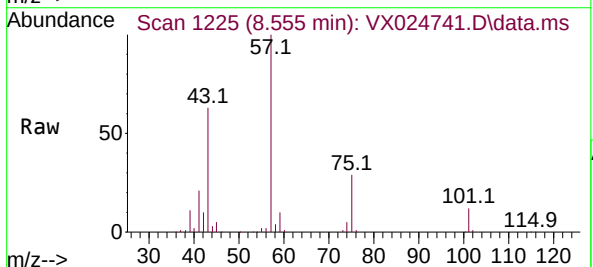
Instrument :
MSVOA_X
ClientSampled :

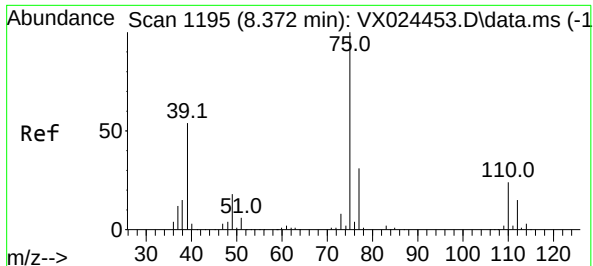
Tgt Ion: 98 Resp: 294390
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 21.552 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX024741.D
Acq: 12 Oct 2021 04:10

Tgt Ion: 43 Resp: 60533
Ion Ratio Lower Upper
43 100
58 8.4 35.4 53.0#

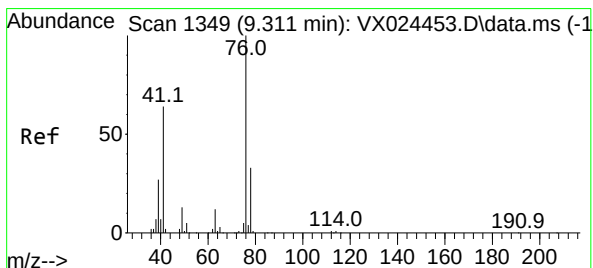
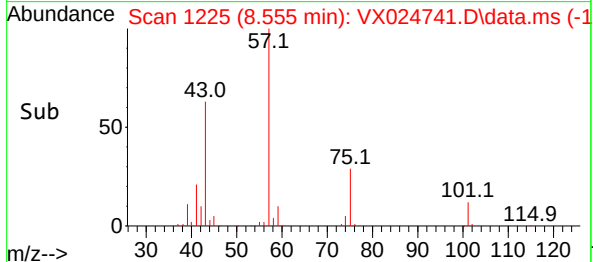
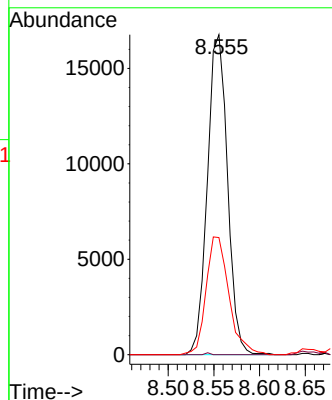
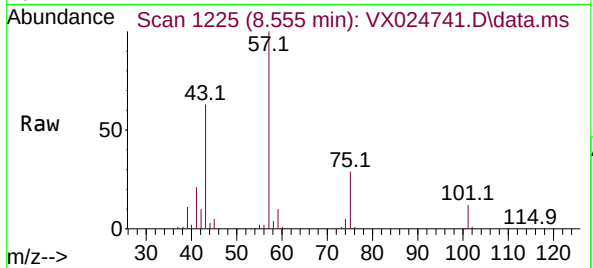




#54
cis-1,3-Dichloropropene
Concen: 9.772 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX024741.D
Acq: 12 Oct 2021 04:10

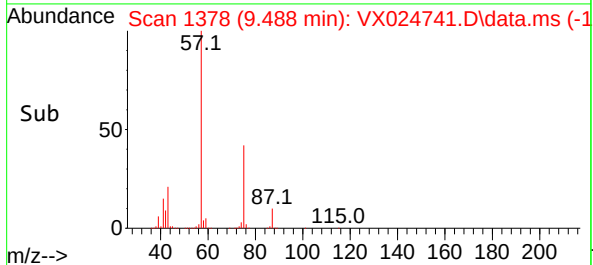
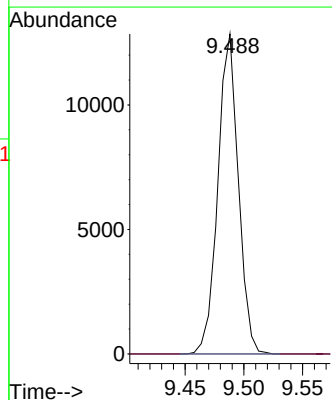
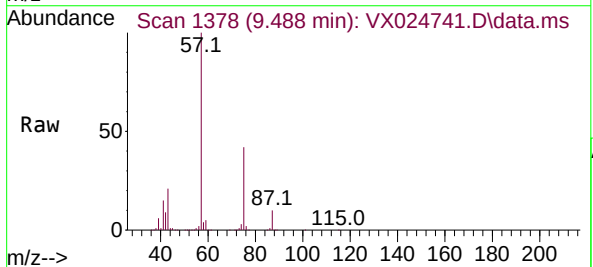
Instrument :
MSVOA_X
ClientSampled :

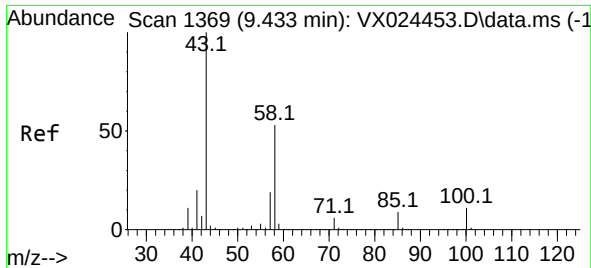
Tgt Ion: 75 Resp: 25593
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 36.6 35.1 52.7



#57
1,3-Dichloropropane
Concen: 5.402 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX024741.D
Acq: 12 Oct 2021 04:10

Tgt Ion: 76 Resp: 15605
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

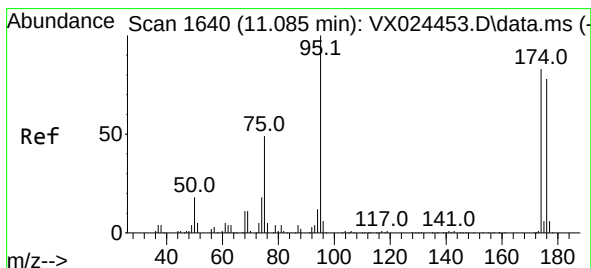
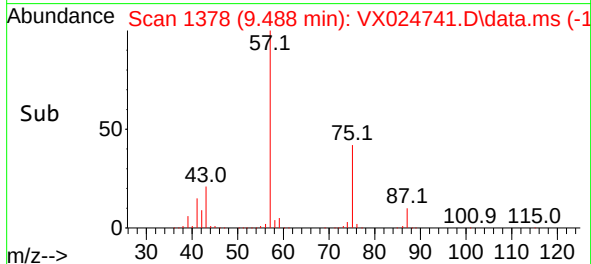
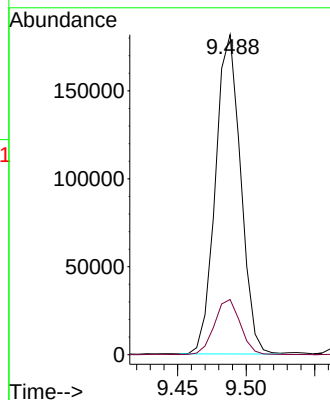
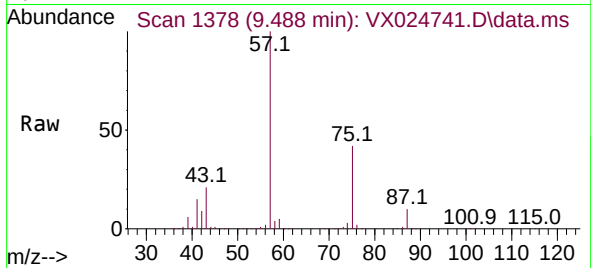




#59
2-Hexanone
Concen: 105.059 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX024741.D
Acq: 12 Oct 2021 04:10

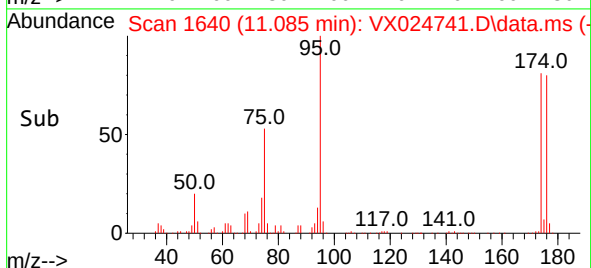
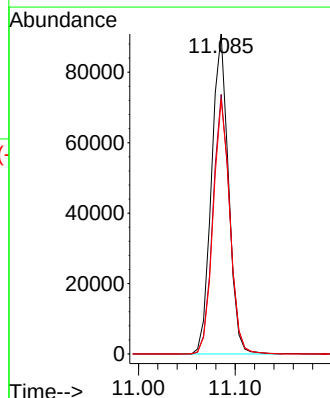
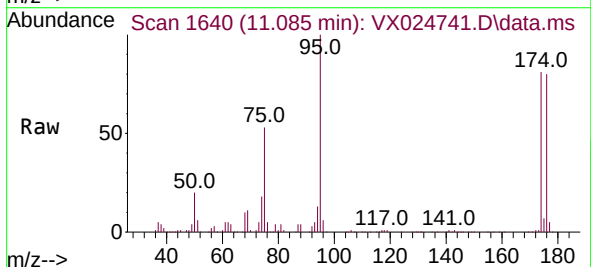
Instrument :
MSVOA_X
ClientSampled :

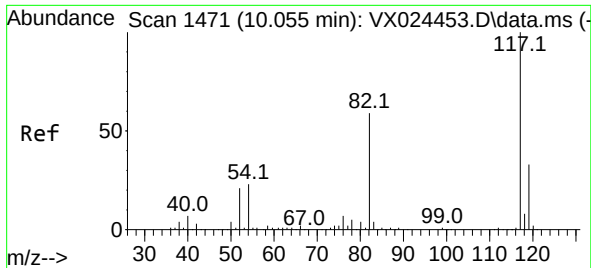
Tgt Ion: 43 Resp: 232384
Ion Ratio Lower Upper
43 100
58 17.8 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 49.245 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024741.D
Acq: 12 Oct 2021 04:10

Tgt Ion: 95 Resp: 110693
Ion Ratio Lower Upper
95 100
174 80.3 0.0 154.6
176 78.6 0.0 155.8

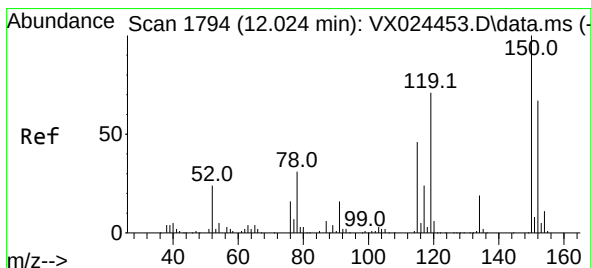
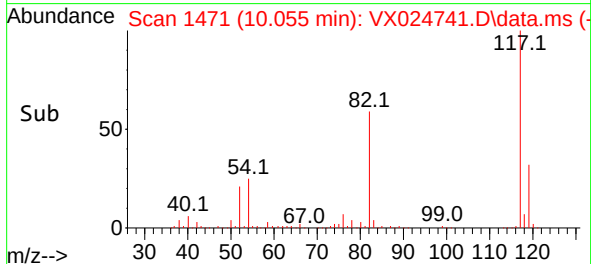
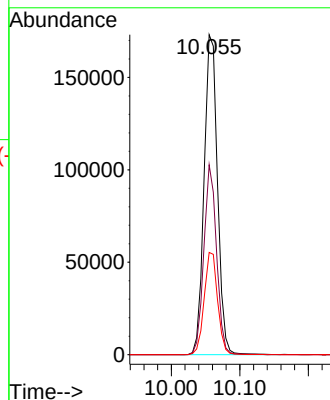
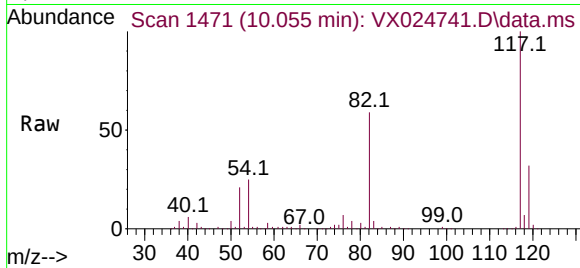




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024741.D
Acq: 12 Oct 2021 04:10

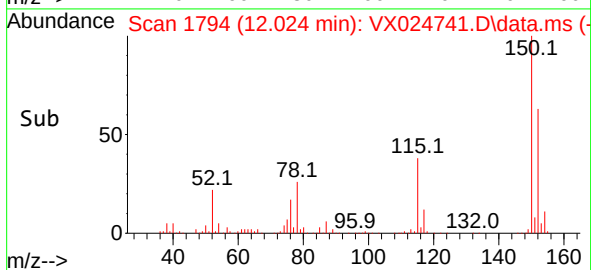
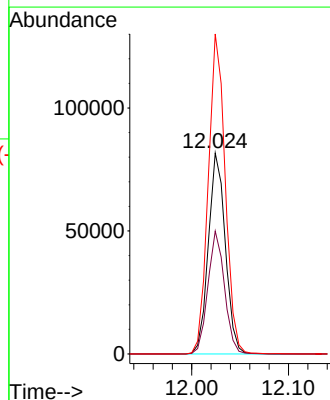
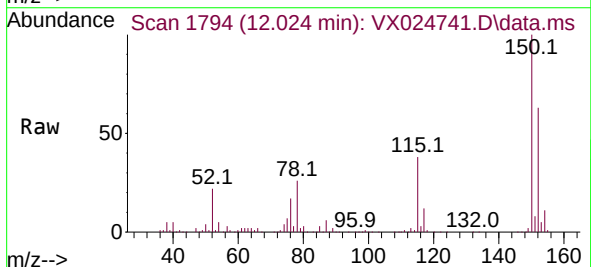
Instrument :
MSVOA_X
ClientSampled :

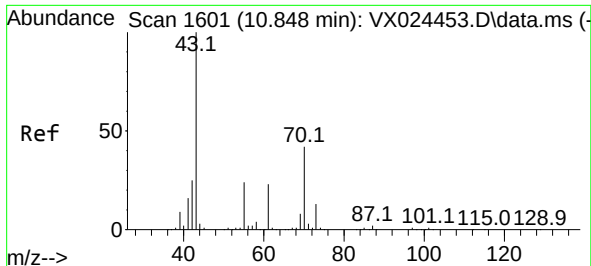
Tgt Ion:117 Resp: 235797
Ion Ratio Lower Upper
117 100
82 59.4 47.4 71.2
119 32.0 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024741.D
Acq: 12 Oct 2021 04:10

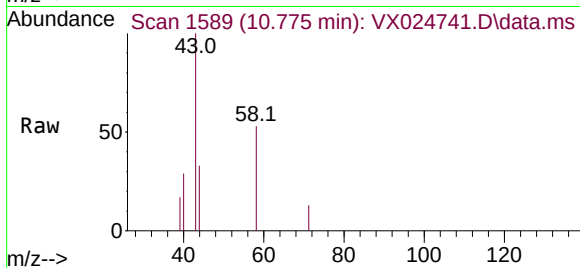
Tgt Ion:152 Resp: 99807
Ion Ratio Lower Upper
152 100
115 59.9 41.1 123.3
150 158.9 0.0 349.0



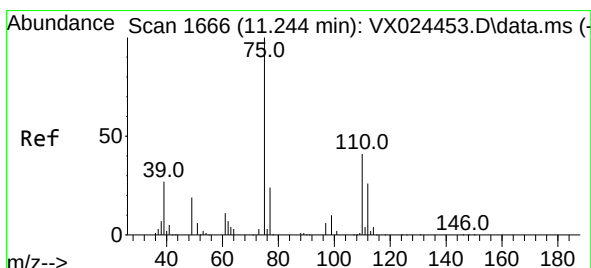
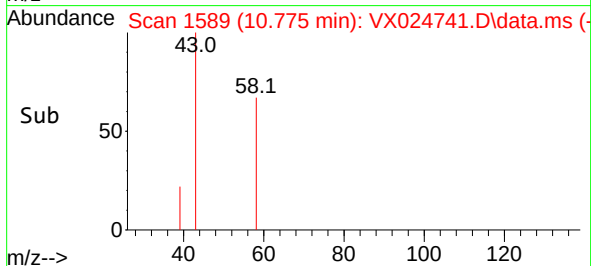
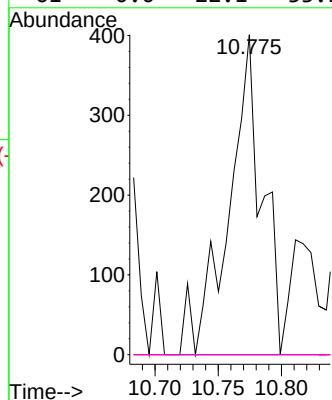


#74
N-amy1 acetate
Concen: 0.227 ug/l
RT: 10.775 min Scan# 1589
Delta R.T. -0.073 min
Lab File: VX024741.D
Acq: 12 Oct 2021 04:10

Instrument :
MSVOA_X
ClientSampled :

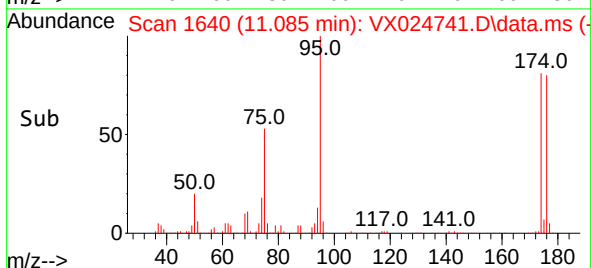
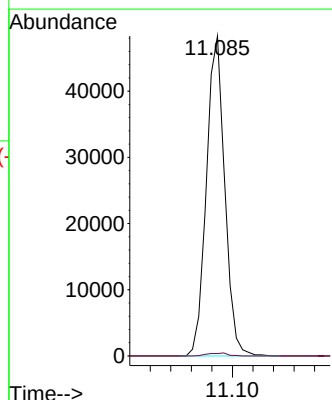
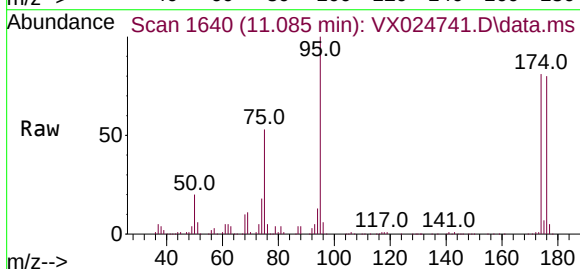


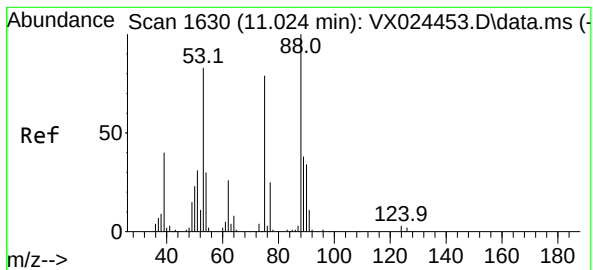
Tgt Ion: 43	Resp: 737
Ion Ratio	Lower Upper
43 100	
70 0.0	39.0 58.6#
55 0.0	21.5 32.3#
61 0.0	22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 26.407 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024741.D
Acq: 12 Oct 2021 04:10

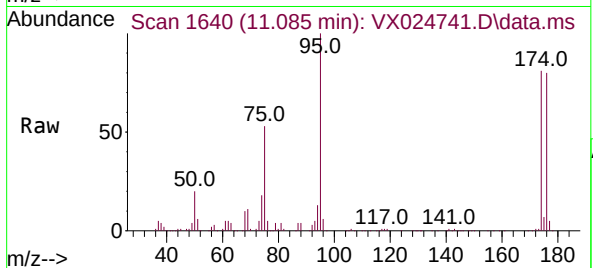
Tgt Ion: 75	Resp: 59853
Ion Ratio	Lower Upper
75 100	
77 1.0	19.1 57.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 71.902 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024741.D
Acq: 12 Oct 2021 04:10

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 59853
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

