

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062521\
 Data File : VX022958.D
 Acq On : 26 Jun 2021 06:10
 Operator : JC/MD
 Sample : PB137293ZHE#14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

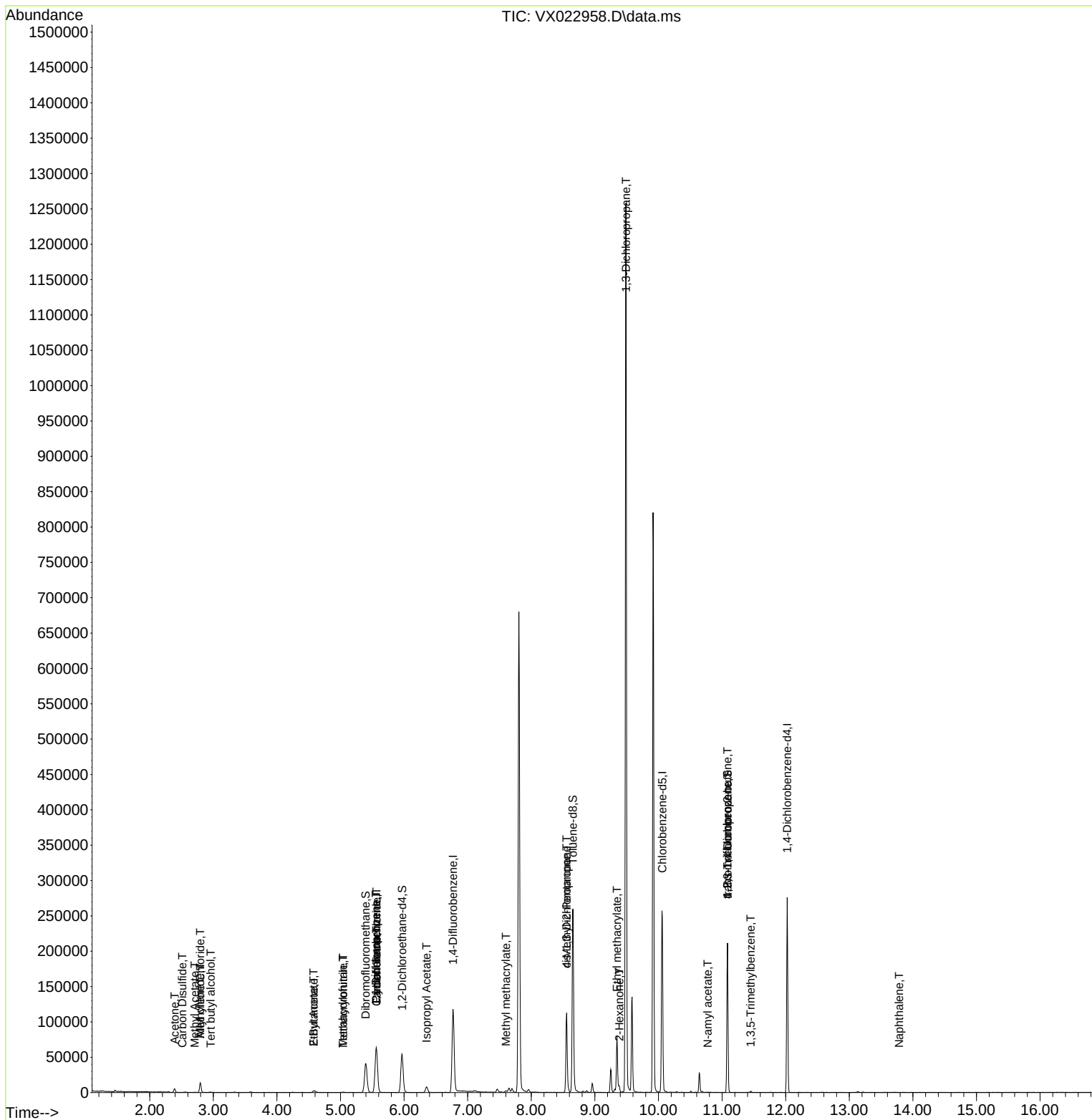
Quant Time: Jun 26 07:38:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 19:12:26 2021
 Response via : Initial Calibration

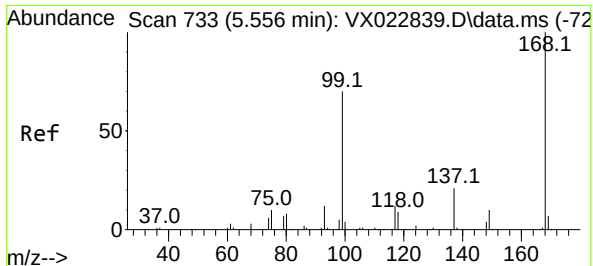
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	51685	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	109123	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	108989	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	46752	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	48635	51.85	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.70%			
35) Dibromofluoromethane	5.397	113	34632	49.98	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.96%			
50) Toluene-d8	8.653	98	143390	52.80	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.60%			
62) 4-Bromofluorobenzene	11.085	95	53557	52.84	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.68%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.959	59	385	1.97	ug/l	# 73
14) Allyl chloride	2.794	41	338	0.27	ug/l	# 25
16) Acetone	2.392	43	5690	13.68	ug/l	93
17) Carbon Disulfide	2.514	76	21	3.53	ug/l	# 75
18) Methyl Acetate	2.709	43	654	0.64	ug/l	# 63
20) Methylene Chloride	2.794	84	5675	7.20	ug/l	92
25) 2-Butanone	4.574	43	1961	3.03	ug/l	89
29) Tetrahydrofuran	5.038	42	292	0.70	ug/l	# 45
31) Cyclohexane	5.562	56	1697	1.28	ug/l	# 31
36) 1,1-Dichloropropene	5.556	75	5788	4.99	ug/l	# 45
37) Ethyl Acetate	4.574	43	1961	1.46	ug/l	# 64
38) Carbon Tetrachloride	5.568	117	6017	6.19	ug/l	# 15
41) Methacrylonitrile	5.044	41	152	0.21	ug/l	# 1
43) Isopropyl Acetate	6.354	43	10637	4.93	ug/l	# 90
48) Methyl methacrylate	7.604	41	2855	2.86	ug/l	# 10
51) 4-Methyl-2-Pentanone	8.555	43	39114	29.12	ug/l	# 44
54) cis-1,3-Dichloropropene	8.555	75	16722	13.40	ug/l	# 71
56) Ethyl methacrylate	9.348	69	476	2.88	ug/l	# 1
57) 1,3-Dichloropropane	9.488	76	10232	6.94	ug/l	# 42
59) 2-Hexanone	9.384	43	4492	4.41	ug/l	# 19
74) N-amyl acetate	10.774	43	424	2.24	ug/l	# 38
76) 1,2,3-Trichloropropane	11.085	75	30391	24.61	ug/l	# 38
80) 1,3,5-Trimethylbenzene	11.451	105	966	0.30	ug/l	84
81) trans-1,4-Dichloro-2-b...	11.085	75	30391	64.33	ug/l	# 12
95) Naphthalene	13.786	128	70	1.94	ug/l	# 69

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

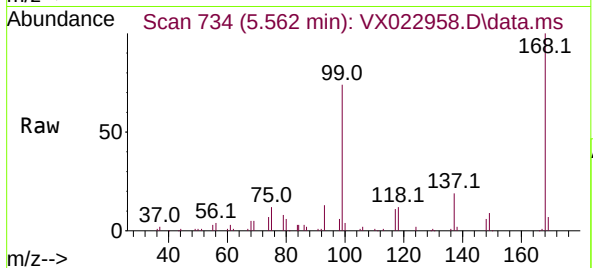
Quant Time: Jun 26 07:38:09 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 23 19:12:26 2021
Response via : Initial Calibration



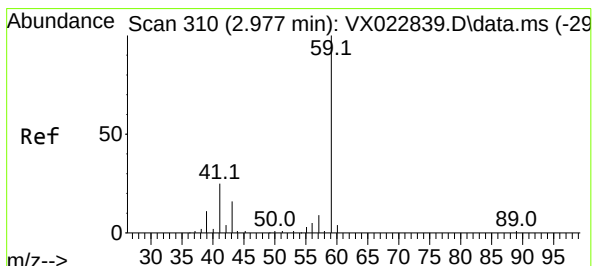
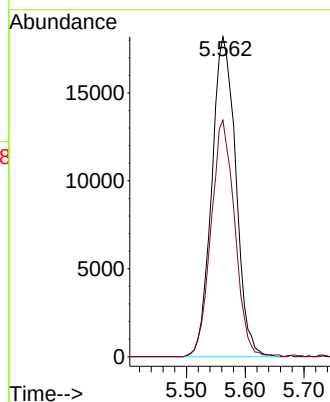
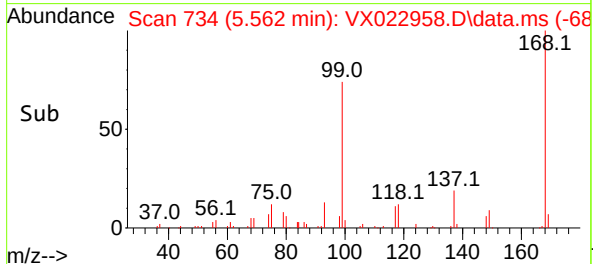


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX022958.D
Acq: 26 Jun 2021 06:10

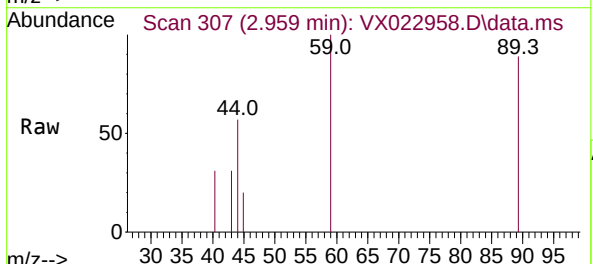
Instrument :
MSVOA_X
ClientSampleId :



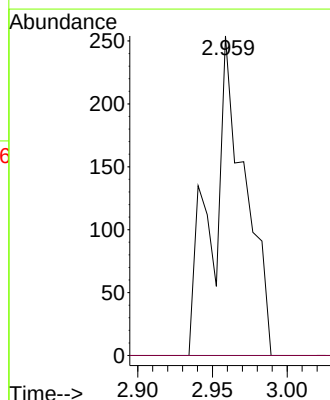
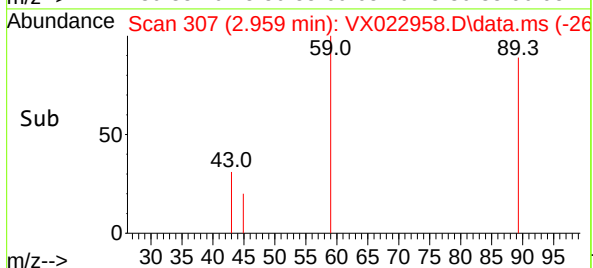
Tgt Ion:168 Resp: 51685
Ion Ratio Lower Upper
168 100
99 73.9 45.8 68.6#

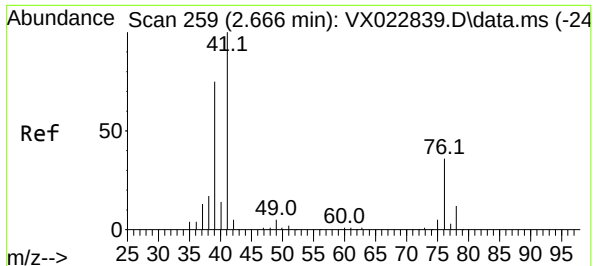


#11
Tert butyl alcohol
Concen: 1.97 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.018 min
Lab File: VX022958.D
Acq: 26 Jun 2021 06:10



Tgt Ion: 59 Resp: 385
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#14

Allyl chloride

Concen: 0.27 ug/l

RT: 2.794 min Scan# 280

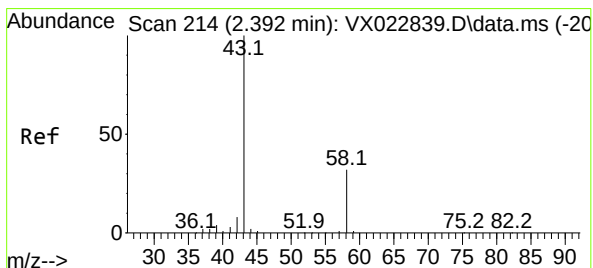
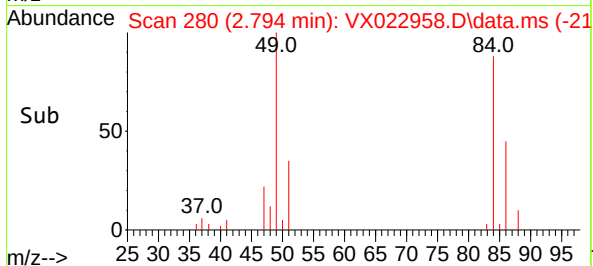
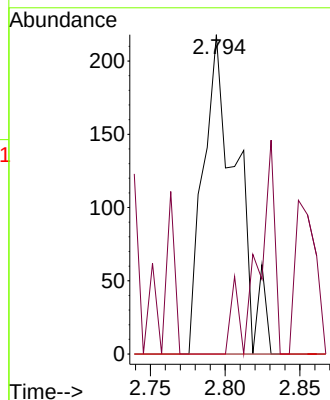
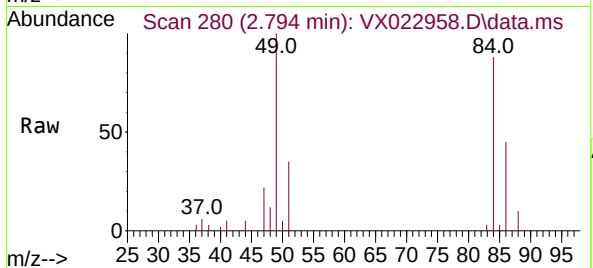
Delta R.T. 0.128 min

Lab File: VX022958.D

Acq: 26 Jun 2021 06:10

Tgt Ion: 41	Resp: 338
Ion Ratio	Lower Upper
41 100	
39 0.0	51.6 77.4#
76 0.0	30.5 45.7#

Instrument :
MSVOA_X
ClientSampled :



#16

Acetone

Concen: 13.68 ug/l

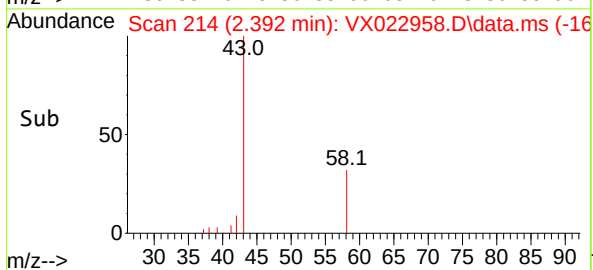
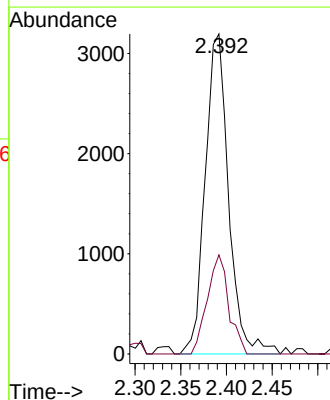
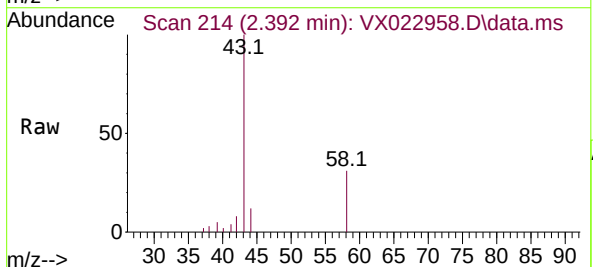
RT: 2.392 min Scan# 214

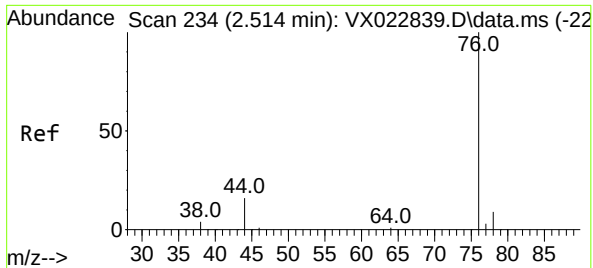
Delta R.T. -0.000 min

Lab File: VX022958.D

Acq: 26 Jun 2021 06:10

Tgt Ion: 43	Resp: 5690
Ion Ratio	Lower Upper
43 100	
58 30.9	27.8 41.8

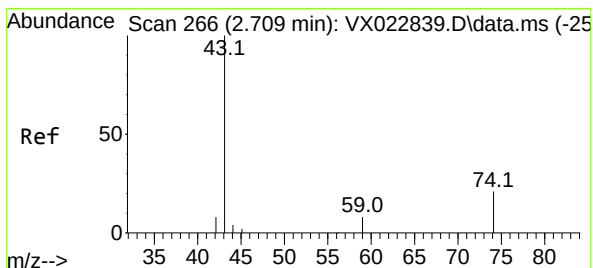
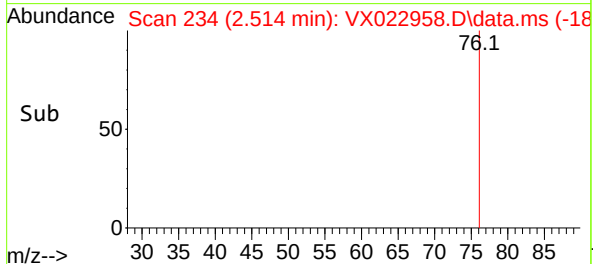
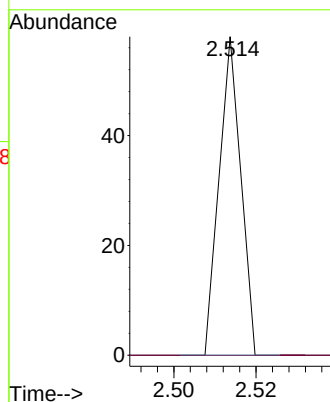
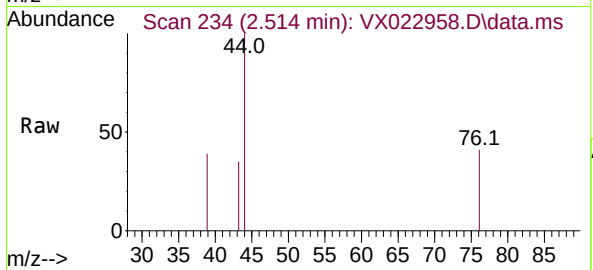




#17
Carbon Disulfide
Concen: 3.53 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX022958.D
Acq: 26 Jun 2021 06:10

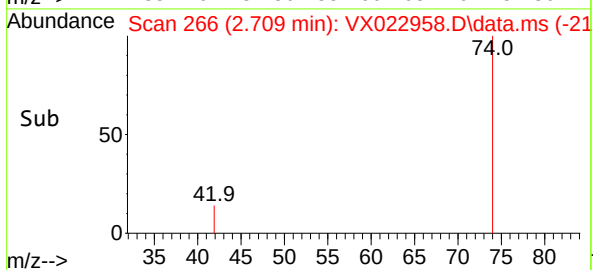
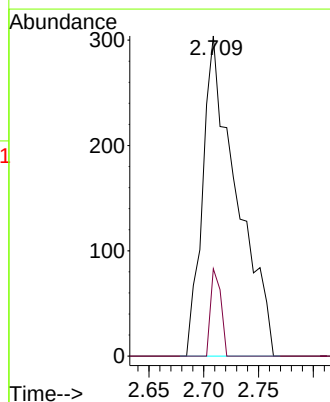
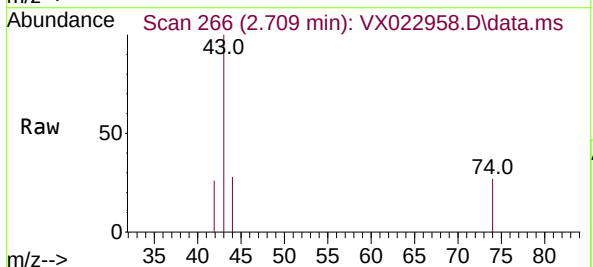
Instrument :
MSVOA_X
ClientSampled :

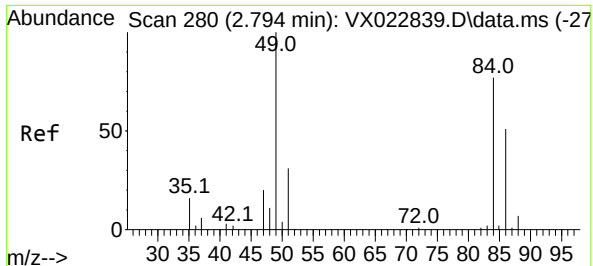
Tgt Ion: 76 Resp: 21
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.64 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX022958.D
Acq: 26 Jun 2021 06:10

Tgt Ion: 43 Resp: 654
Ion Ratio Lower Upper
43 100
74 8.1 21.9 32.9#





#20

Methylene Chloride

Concen: 7.20 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX022958.D

Acq: 26 Jun 2021 06:10

Tgt Ion: 84 Resp: 5675

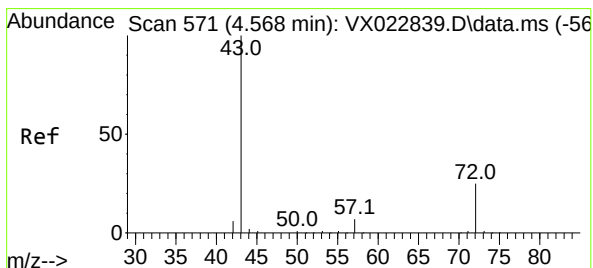
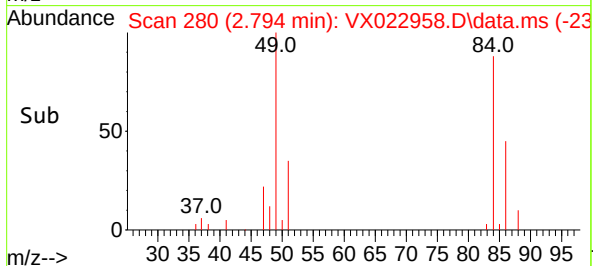
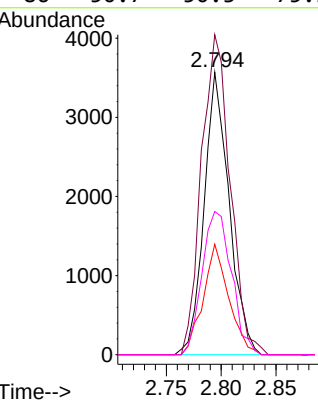
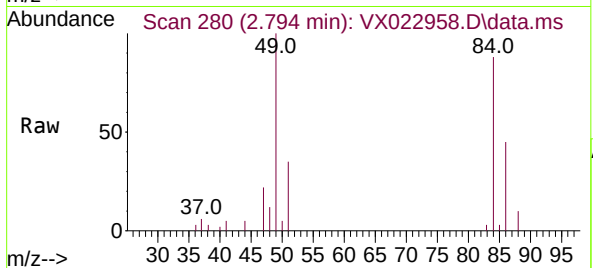
Ion Ratio Lower Upper

84 100

49 113.3 88.6 132.8

51 39.1 27.0 40.6

86 50.7 50.3 75.5



#25

2-Butanone

Concen: 3.03 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.006 min

Lab File: VX022958.D

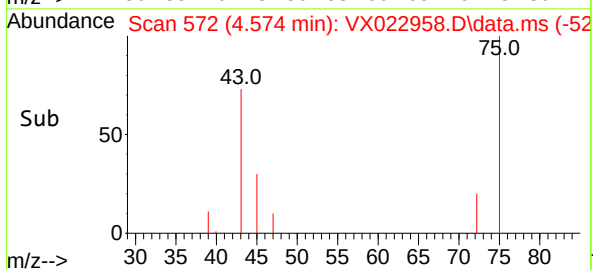
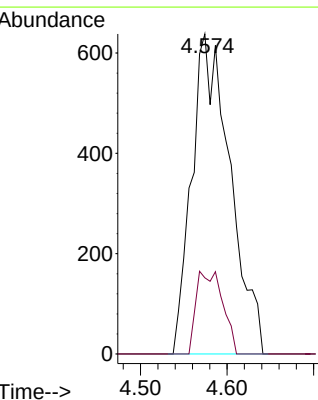
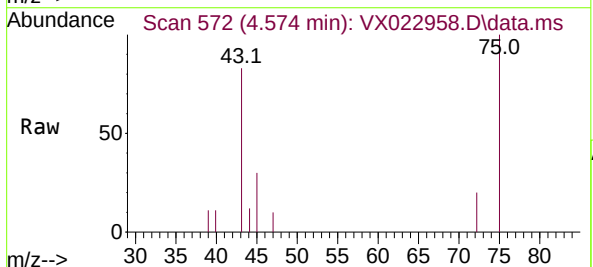
Acq: 26 Jun 2021 06:10

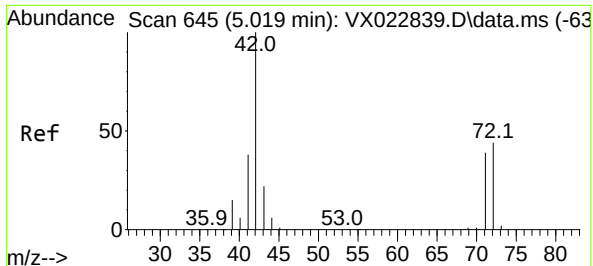
Tgt Ion: 43 Resp: 1961

Ion Ratio Lower Upper

43 100

72 23.8 23.7 35.5





#29

Tetrahydrofuran

Concen: 0.70 ug/l

RT: 5.038 min Scan# 648

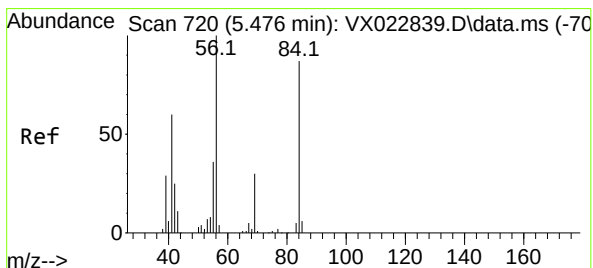
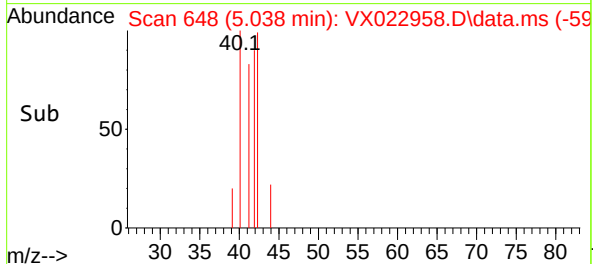
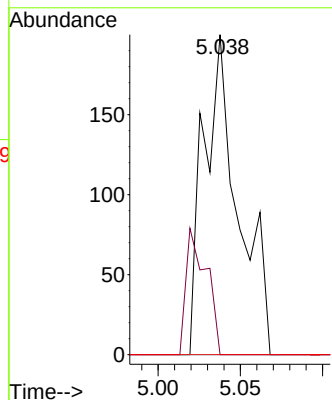
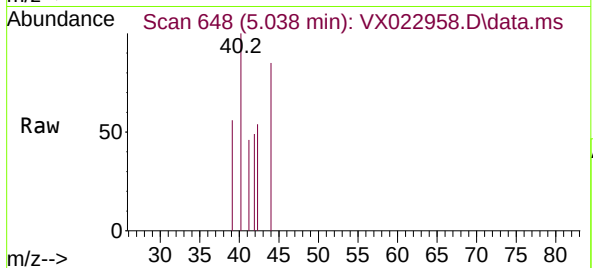
Delta R.T. 0.019 min

Lab File: VX022958.D

Acq: 26 Jun 2021 06:10

Tgt Ion:	42	Resp:	292
Ion	Ratio	Lower	Upper
42	100		
72	23.3	41.7	62.5#
71	0.0	38.4	57.6#

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 1.28 ug/l

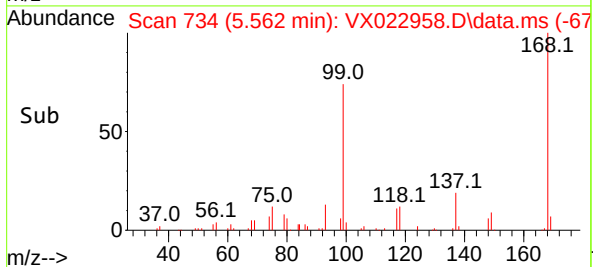
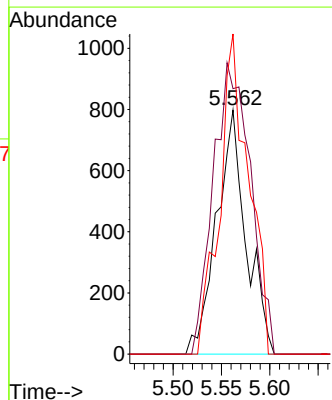
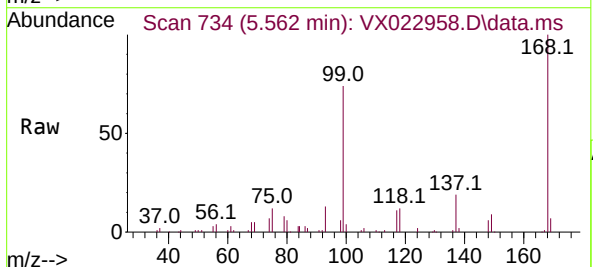
RT: 5.562 min Scan# 734

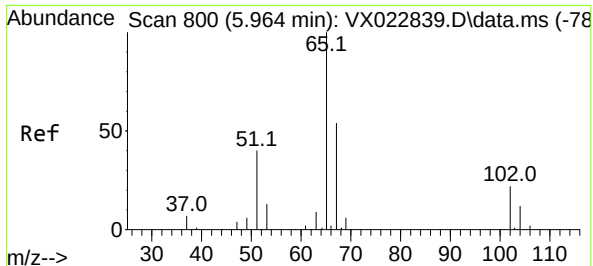
Delta R.T. 0.086 min

Lab File: VX022958.D

Acq: 26 Jun 2021 06:10

Tgt Ion:	56	Resp:	1697
Ion	Ratio	Lower	Upper
56	100		
69	108.8	25.3	37.9#
84	131.2	71.4	107.0#

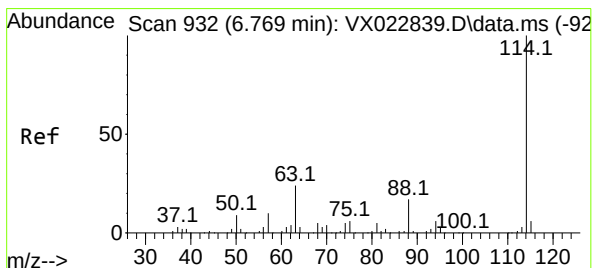
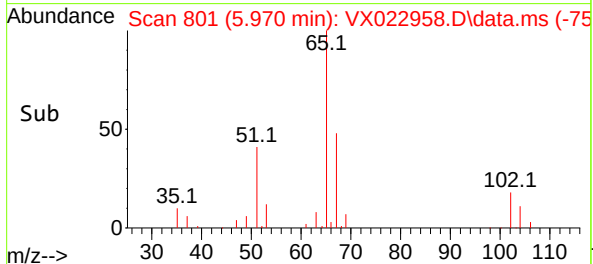
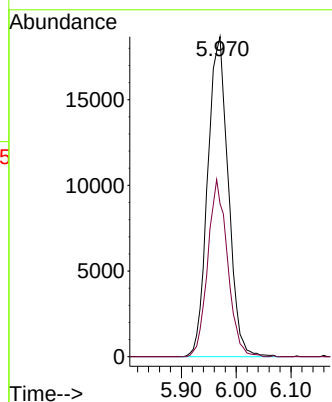
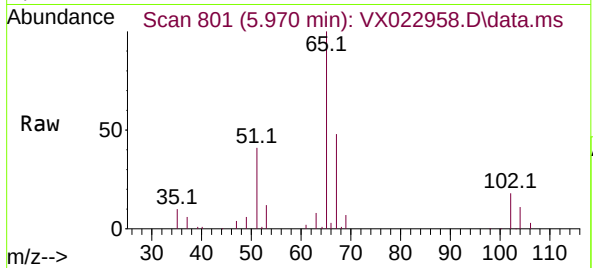




#33
 1,2-Dichloroethane-d4
 Concen: 51.85 ug/l
 RT: 5.970 min Scan# 801
 Delta R.T. 0.006 min
 Lab File: VX022958.D
 Acq: 26 Jun 2021 06:10

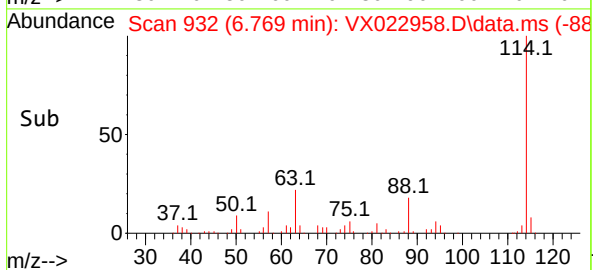
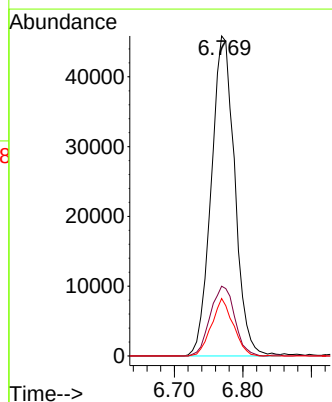
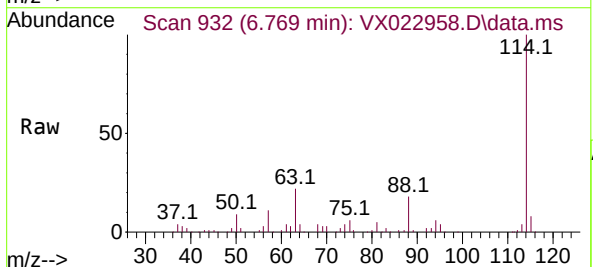
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 MSVOA_X
 ClientSampled :

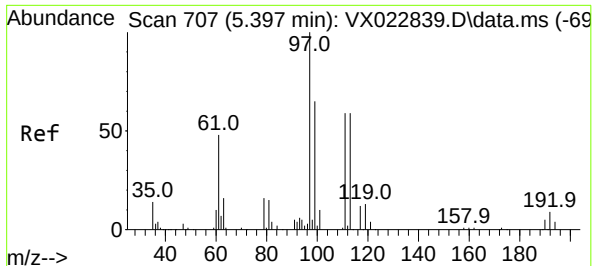
Tgt Ion: 65 Resp: 48635
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX022958.D
 Acq: 26 Jun 2021 06:10

Tgt Ion: 114 Resp: 109123
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 40.8
 88 17.9 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.98 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX022958.D

Acq: 26 Jun 2021 06:10

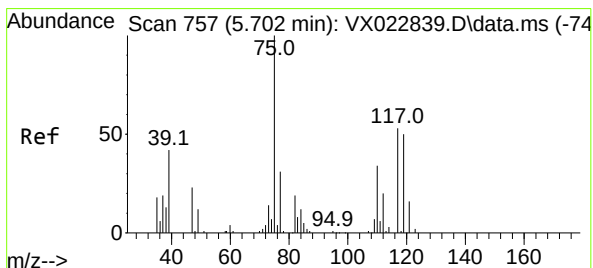
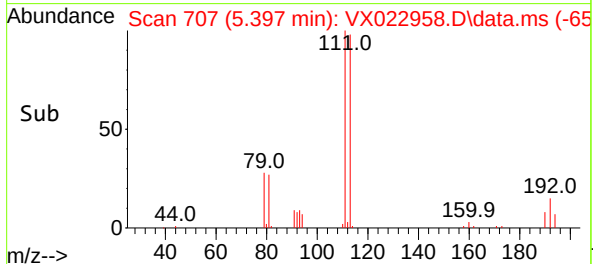
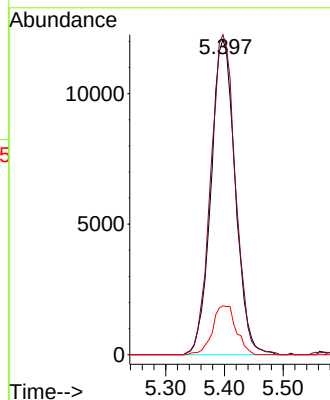
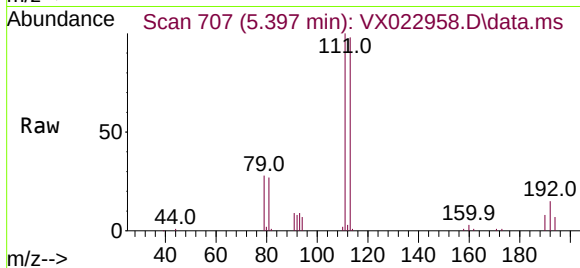
Tgt Ion:113 Resp: 34632

Ion Ratio Lower Upper

113 100

111 103.6 81.9 122.9

192 15.1 16.7 25.1#



#36

1,1-Dichloropropene

Concen: 4.99 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX022958.D

Acq: 26 Jun 2021 06:10

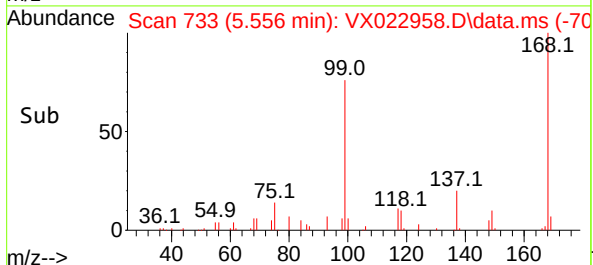
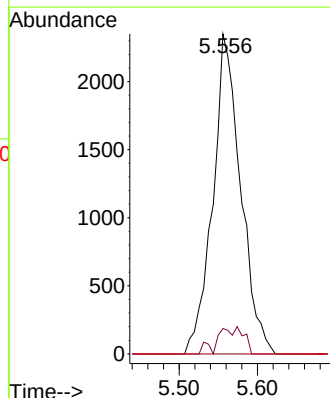
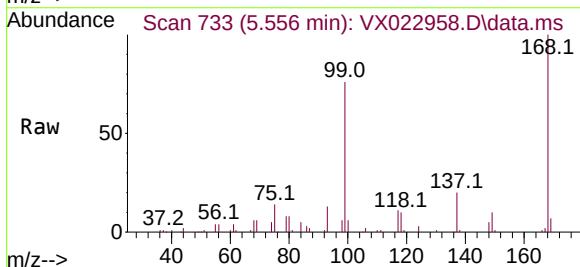
Tgt Ion: 75 Resp: 5788

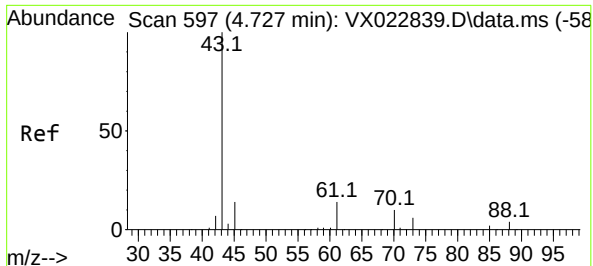
Ion Ratio Lower Upper

75 100

110 5.0 18.1 54.4#

77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 1.46 ug/l

RT: 4.574 min Scan# 572

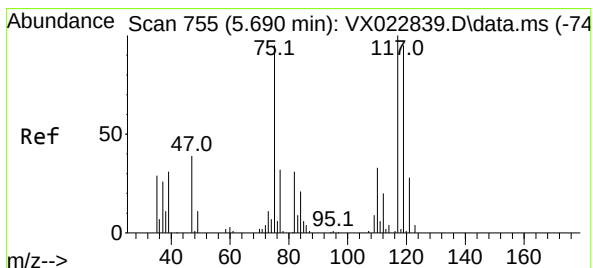
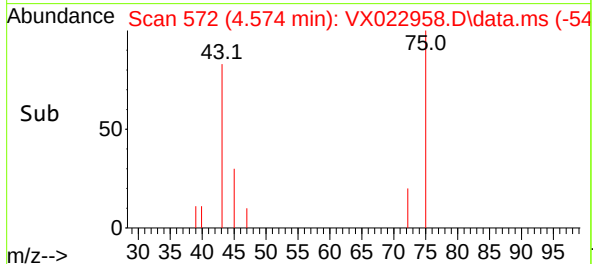
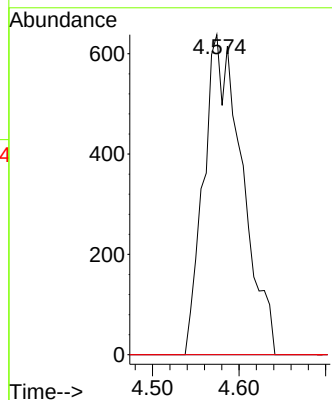
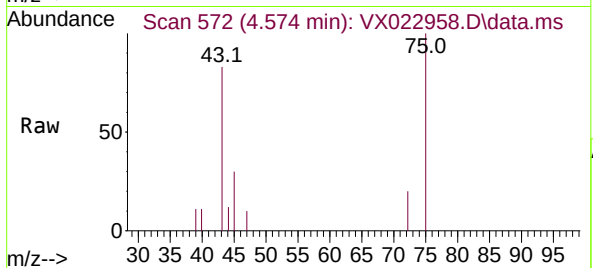
Delta R.T. -0.153 min

Lab File: VX022958.D

Acq: 26 Jun 2021 06:10

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:	43	Resp:	1961
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.0	10.5	15.7#



#38

Carbon Tetrachloride

Concen: 6.19 ug/l

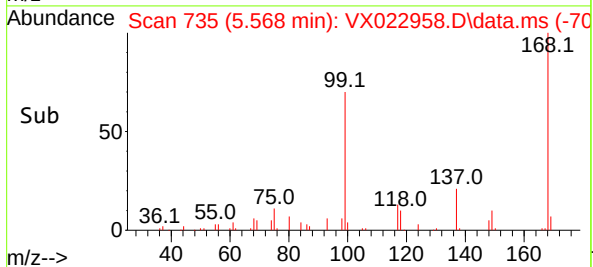
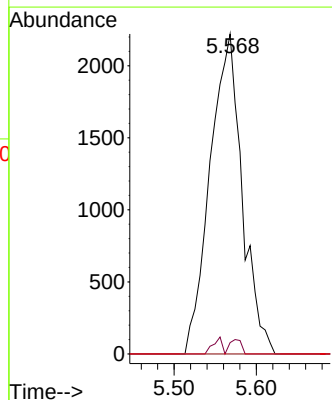
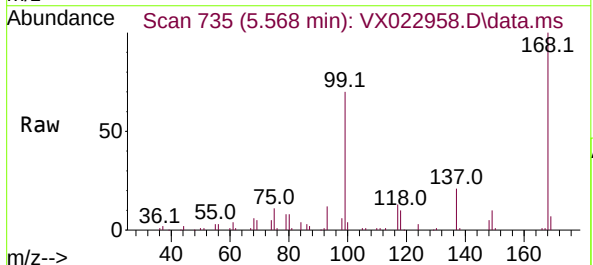
RT: 5.568 min Scan# 735

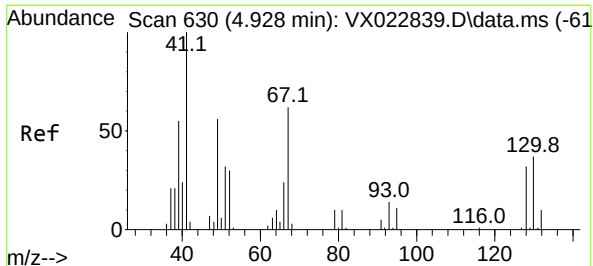
Delta R.T. -0.122 min

Lab File: VX022958.D

Acq: 26 Jun 2021 06:10

Tgt Ion:	117	Resp:	6017
Ion	Ratio	Lower	Upper
117	100		
119	3.6	76.2	114.2#
121	0.0	24.8	37.2#

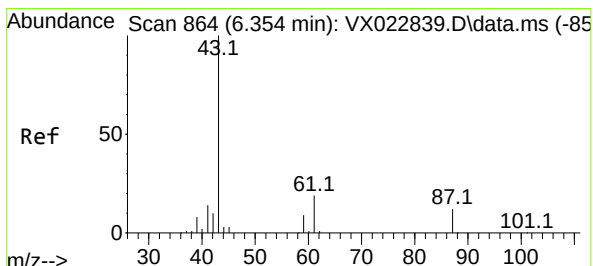
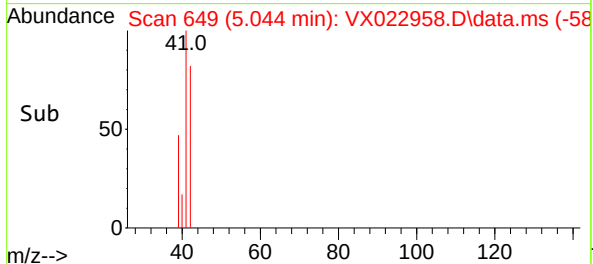
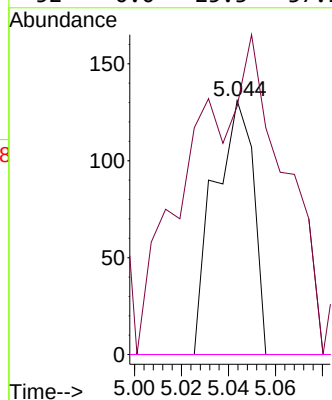
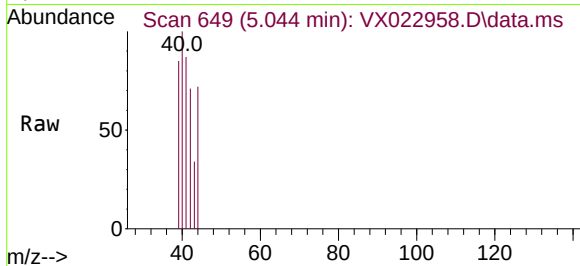




#41
Methacrylonitrile
Concen: 0.21 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.116 min
Lab File: VX022958.D
Acq: 26 Jun 2021 06:10

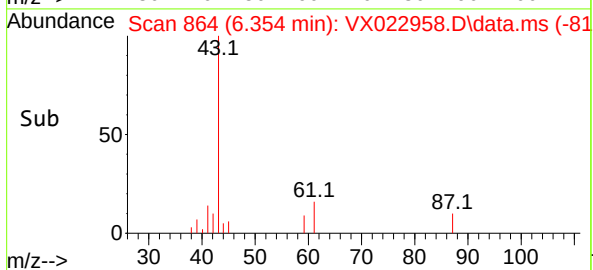
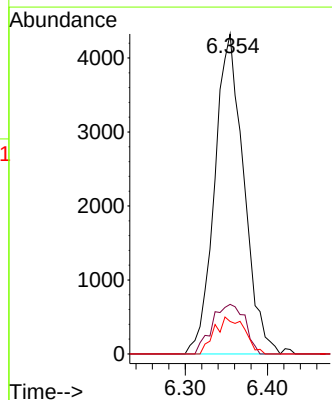
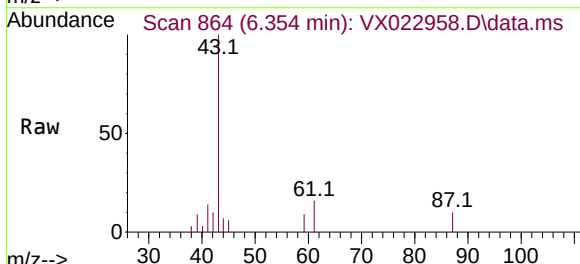
Instrument :
MSVOA_X
ClientSampled :

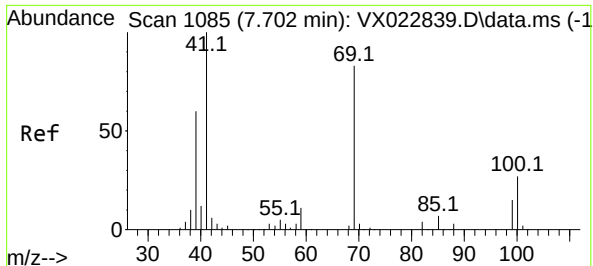
Tgt Ion:	41	Resp:	152
Ion	Ratio	Lower	Upper
41	100		
39	308.6	42.5	63.7#
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#43
Isopropyl Acetate
Concen: 4.93 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.000 min
Lab File: VX022958.D
Acq: 26 Jun 2021 06:10

Tgt Ion:	43	Resp:	10637
Ion	Ratio	Lower	Upper
43	100		
61	17.5	18.2	27.4#
87	11.8	12.5	18.7#





#48

Methyl methacrylate

Concen: 2.86 ug/l

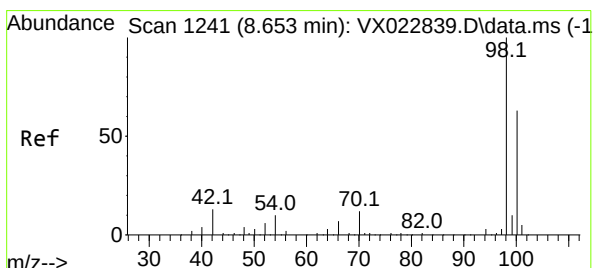
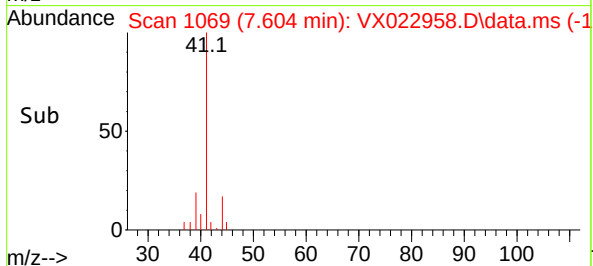
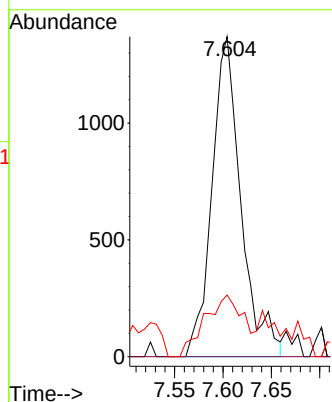
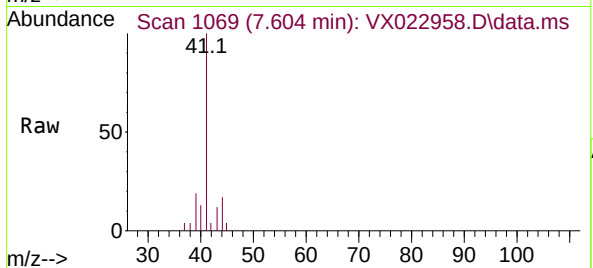
RT: 7.604 min Scan# 1069

Delta R.T. -0.098 min

Lab File: VX022958.D

Acq: 26 Jun 2021 06:10

Tgt Ion:	41	Resp:	2855
Ion	Ratio	Lower	Upper
41	100		
69	0.0	76.0	114.0#
39	0.0	44.6	67.0#



#50

Toluene-d8

Concen: 52.80 ug/l

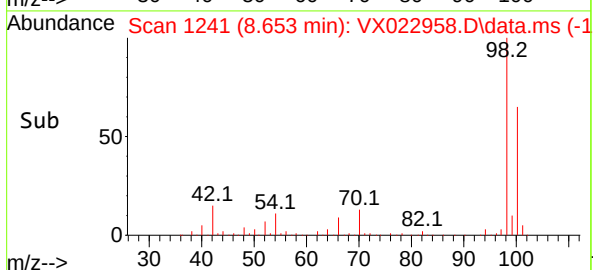
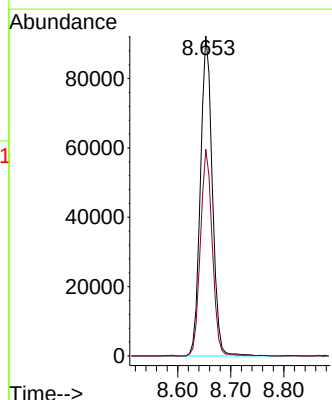
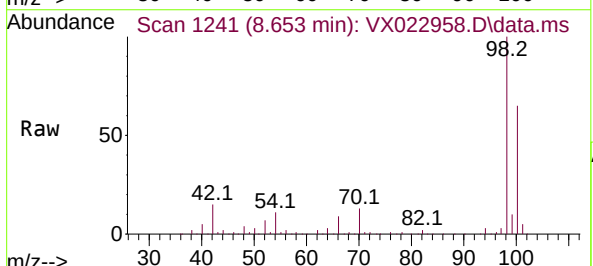
RT: 8.653 min Scan# 1241

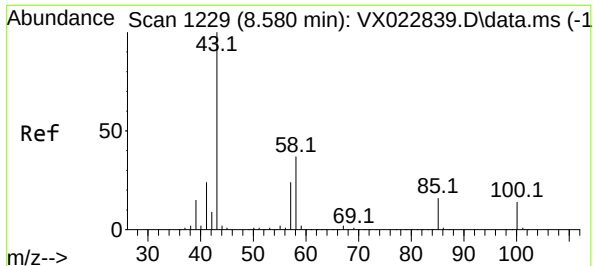
Delta R.T. -0.000 min

Lab File: VX022958.D

Acq: 26 Jun 2021 06:10

Tgt Ion:	98	Resp:	143390
Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.9	77.9

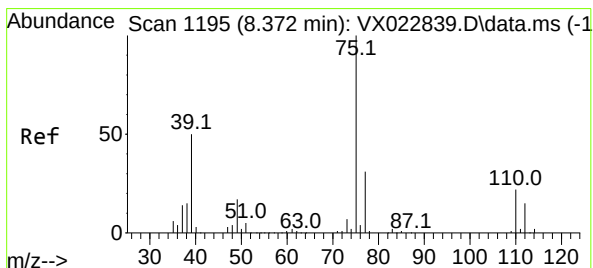
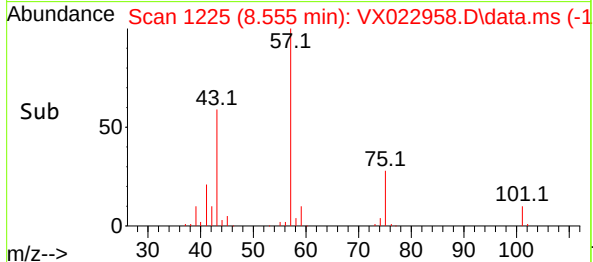
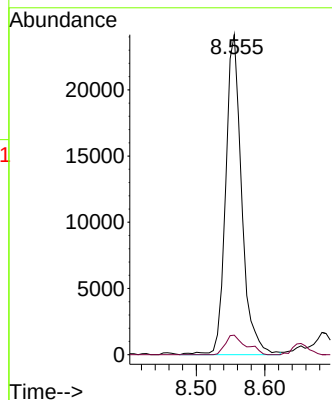
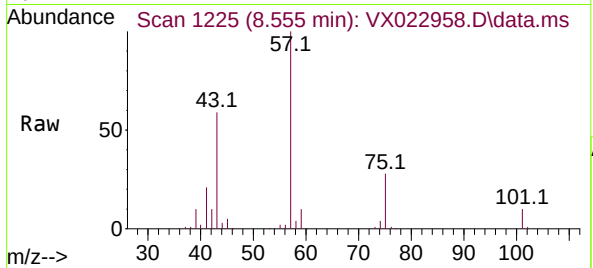




#51
4-Methyl-2-Pentanone
Concen: 29.12 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX022958.D
Acq: 26 Jun 2021 06:10

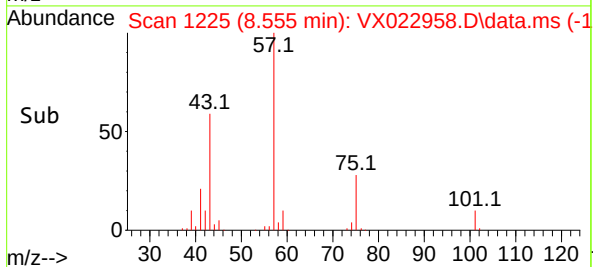
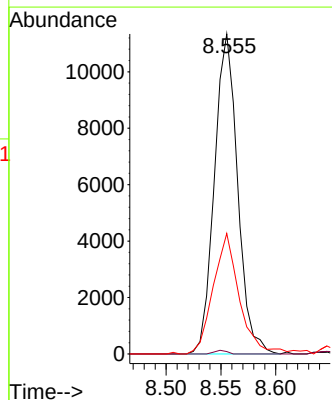
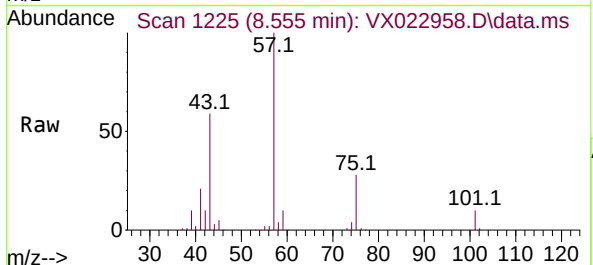
Instrument :
MSVOA_X
ClientSampled :

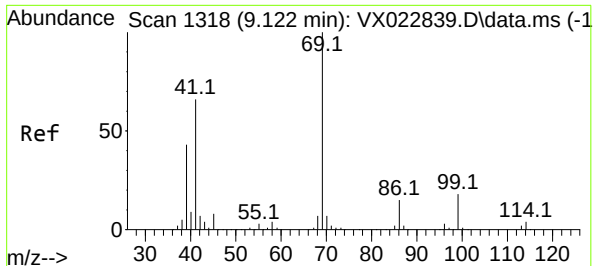
Tgt Ion: 43 Resp: 39114
Ion Ratio Lower Upper
43 100
58 7.9 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 13.40 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX022958.D
Acq: 26 Jun 2021 06:10

Tgt Ion: 75 Resp: 16722
Ion Ratio Lower Upper
75 100
77 0.8 25.7 38.5#
39 37.6 35.1 52.7

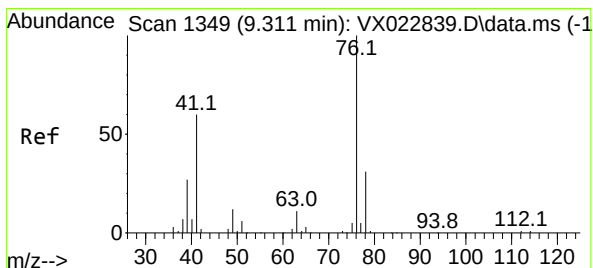
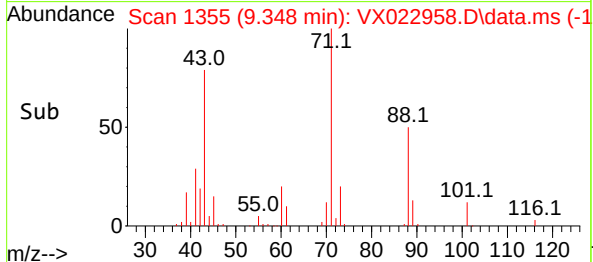
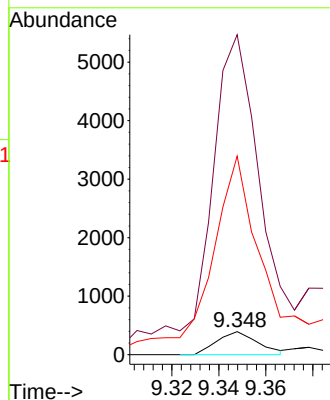
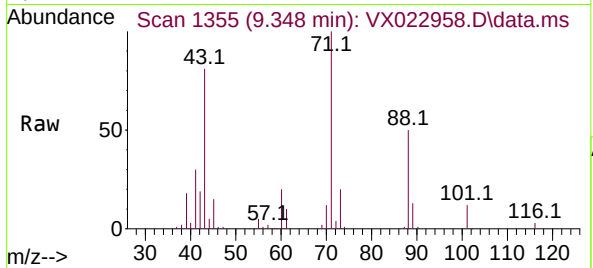




#56
Ethyl methacrylate
Concen: 2.88 ug/l
RT: 9.348 min Scan# 1355
Delta R.T. 0.226 min
Lab File: VX022958.D
Acq: 26 Jun 2021 06:10

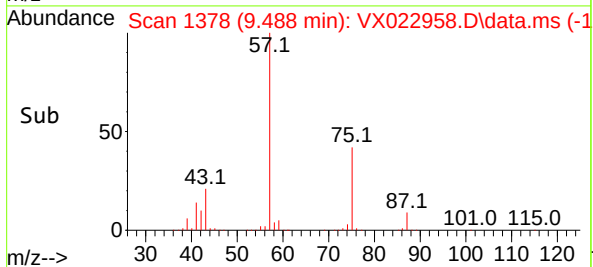
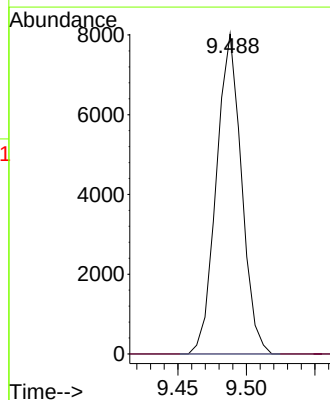
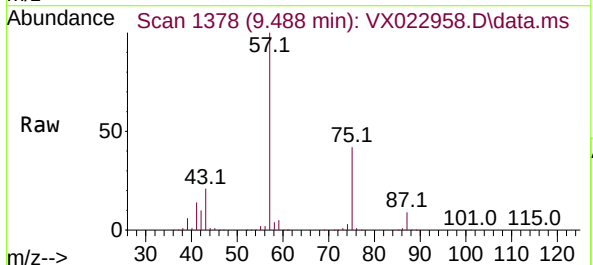
Instrument :
MSVOA_X
ClientSampled :

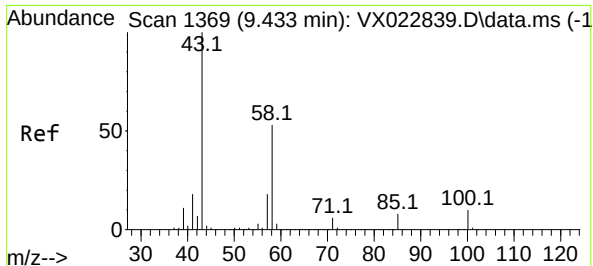
Tgt Ion: 69 Resp: 476
Ion Ratio Lower Upper
69 100
41 1788.0 46.8 70.2#
39 1118.7 24.7 37.1#



#57
1,3-Dichloropropane
Concen: 6.94 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX022958.D
Acq: 26 Jun 2021 06:10

Tgt Ion: 76 Resp: 10232
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

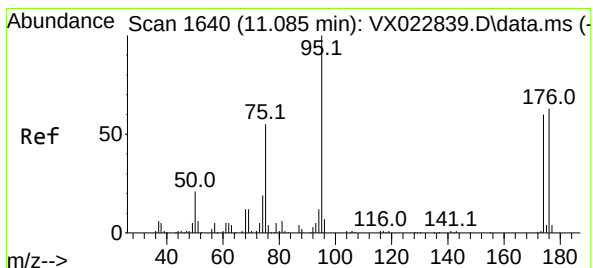
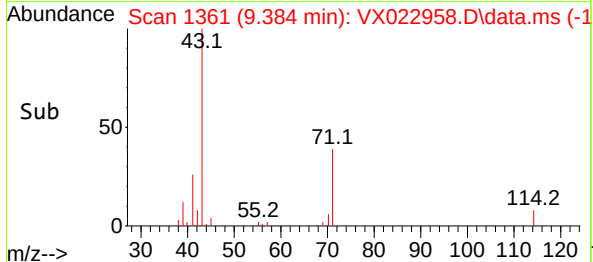
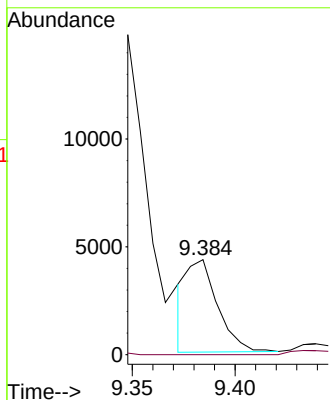
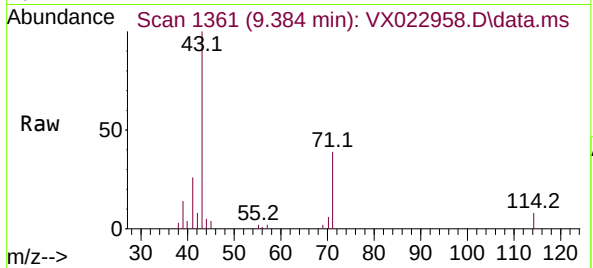




#59
2-Hexanone
Concen: 4.41 ug/l
RT: 9.384 min Scan# 1361
Delta R.T. -0.049 min
Lab File: VX022958.D
Acq: 26 Jun 2021 06:10

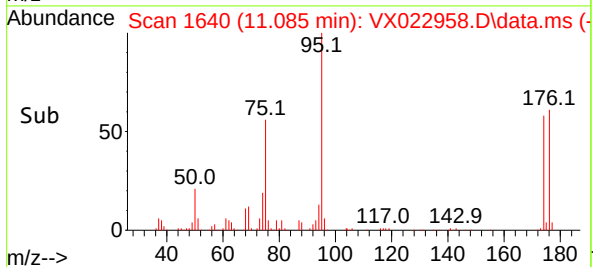
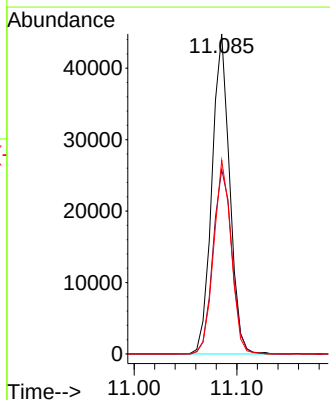
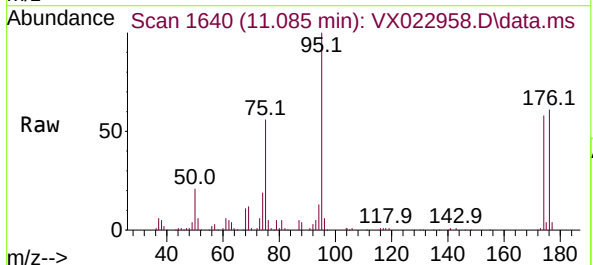
Instrument :
MSVOA_X
ClientSampled :

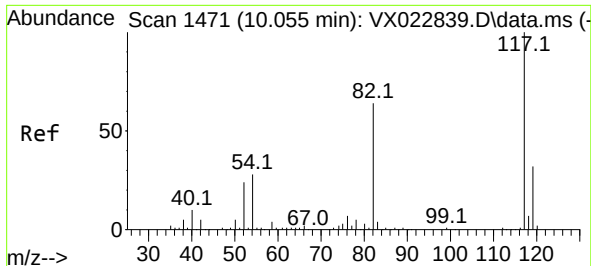
Tgt Ion: 43 Resp: 4492
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 52.84 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022958.D
Acq: 26 Jun 2021 06:10

Tgt Ion: 95 Resp: 53557
Ion Ratio Lower Upper
95 100
174 61.6 0.0 154.6
176 60.0 0.0 155.8

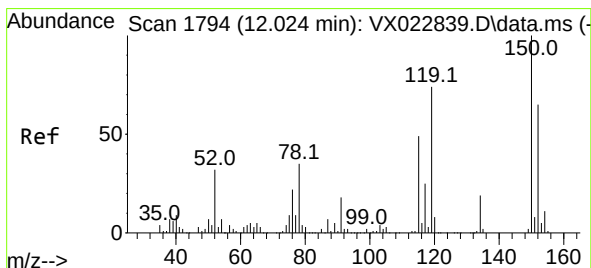
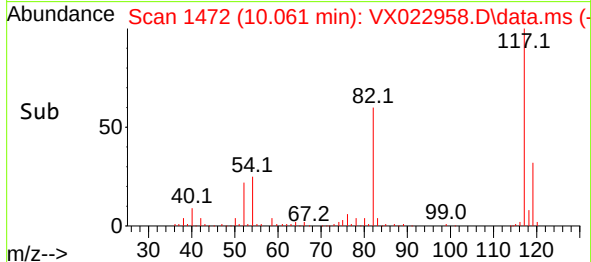
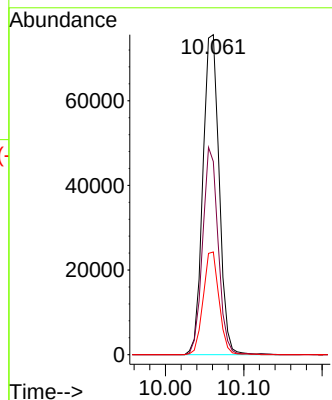
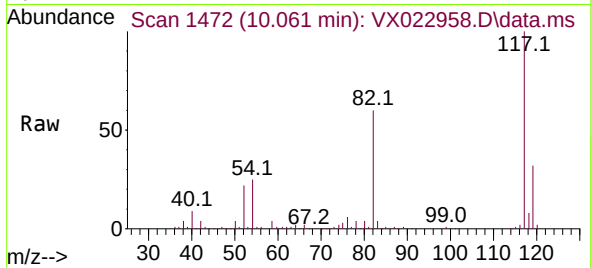




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX022958.D
Acq: 26 Jun 2021 06:10

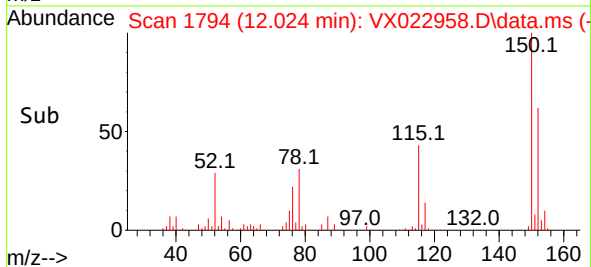
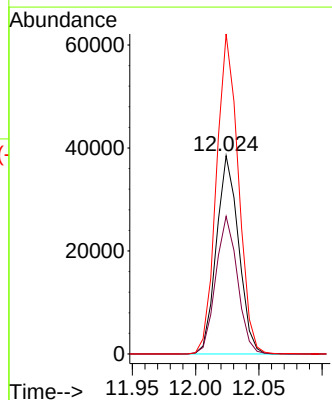
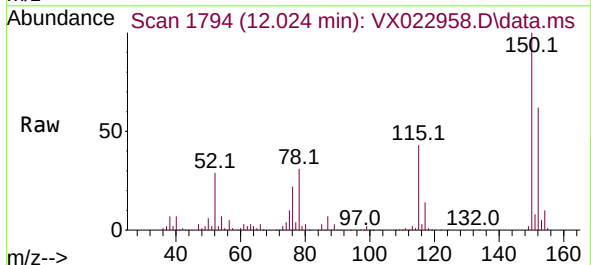
Instrument :
MSVOA_X
ClientSampled :

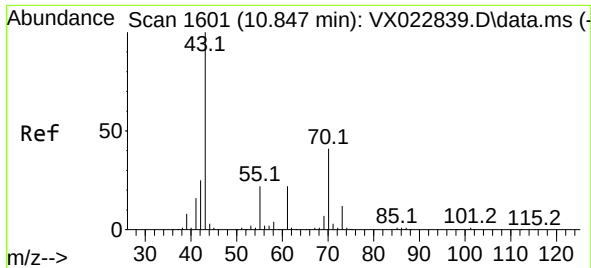
Tgt Ion:117 Resp: 108989
Ion Ratio Lower Upper
117 100
82 60.4 47.4 71.2
119 32.1 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022958.D
Acq: 26 Jun 2021 06:10

Tgt Ion:152 Resp: 46752
Ion Ratio Lower Upper
152 100
115 68.3 41.1 123.3
150 159.9 0.0 349.0

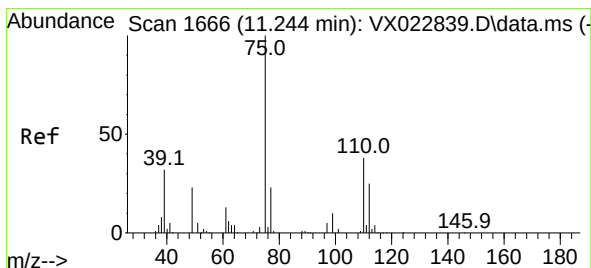
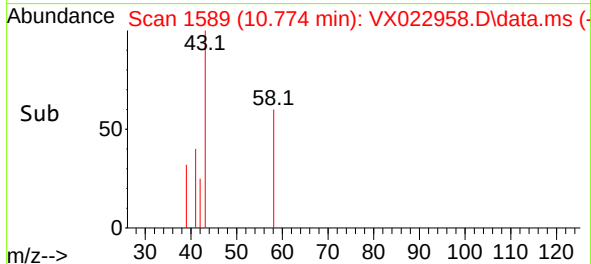
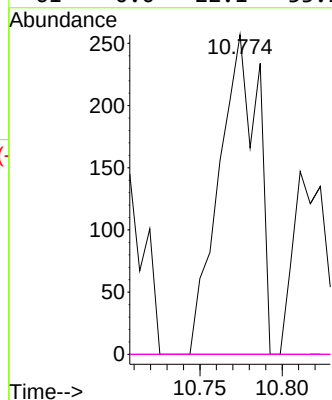
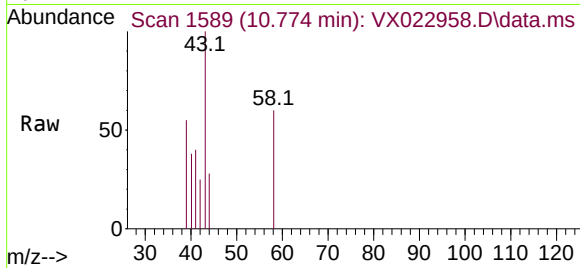




#74
N-amy1 acetate
Concen: 2.24 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.073 min
Lab File: VX022958.D
Acq: 26 Jun 2021 06:10

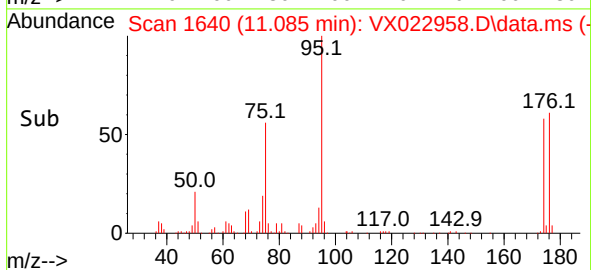
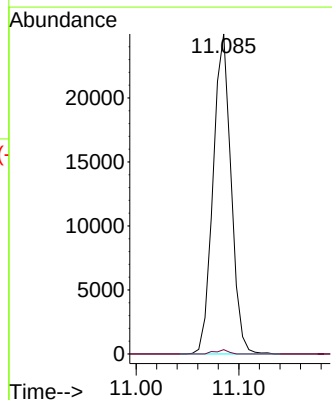
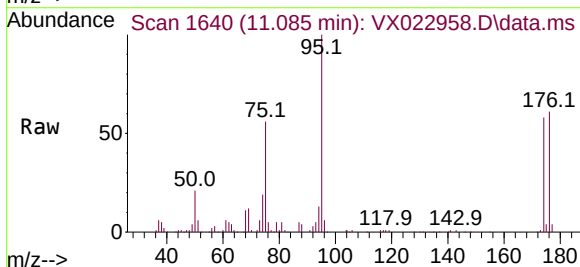
Instrument :
MSVOA_X
ClientSampled :

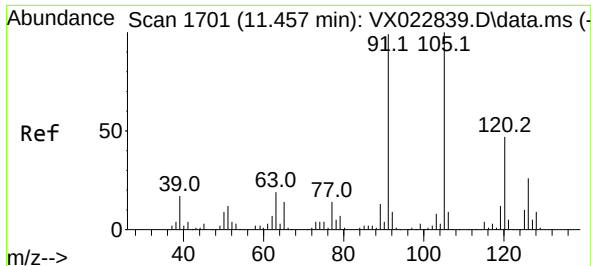
Tgt Ion: 43	Resp:	424	
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.0	58.6#
55	0.0	21.5	32.3#
61	0.0	22.1	33.1#



#76
1,2,3-Trichloropropane
Concen: 24.61 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022958.D
Acq: 26 Jun 2021 06:10

Tgt Ion: 75	Resp:	30391	
Ion Ratio	Lower	Upper	
75 100			
77 1.0	19.1	57.5#	

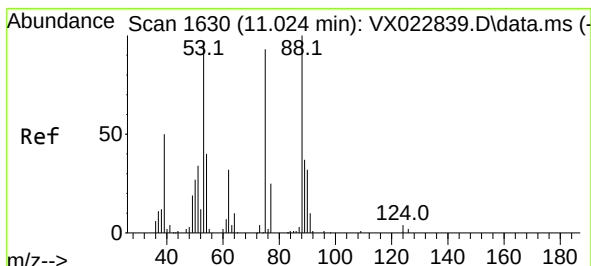
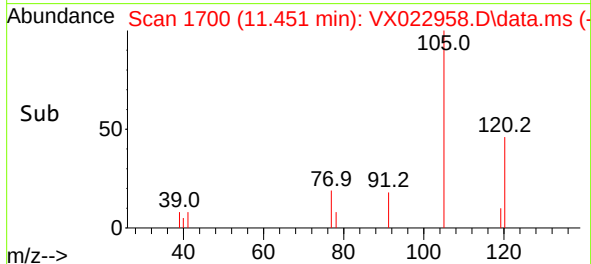
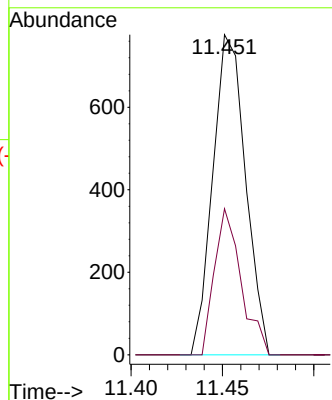
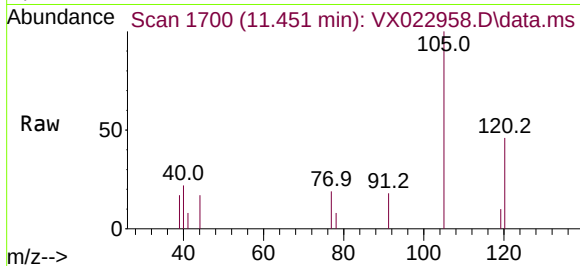




#80
1,3,5-Trimethylbenzene
Concen: 0.30 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VX022958.D
Acq: 26 Jun 2021 06:10

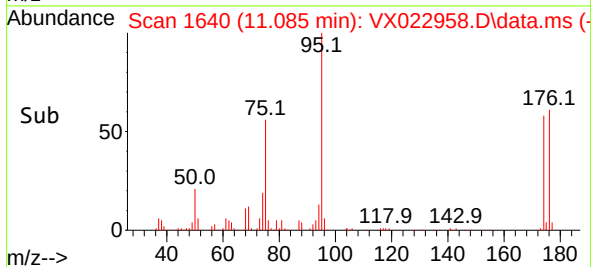
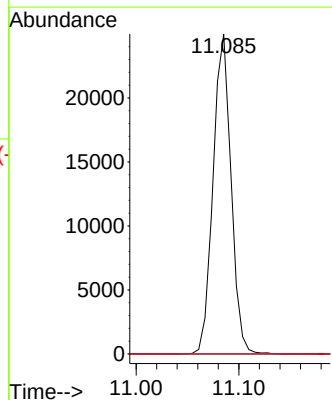
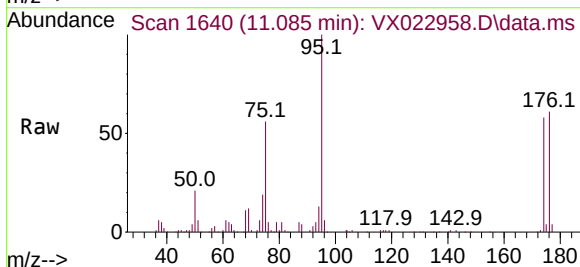
Instrument :
MSVOA_X
ClientSampleId :

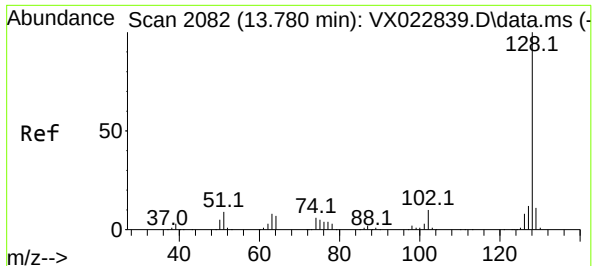
Tgt Ion:105 Resp: 966
Ion Ratio Lower Upper
105 100
120 37.2 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 64.33 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX022958.D
Acq: 26 Jun 2021 06:10

Tgt Ion: 75 Resp: 30391
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.94 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX022958.D
Acq: 26 Jun 2021 06:10

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128	Resp:	70
Ion	Ratio	Lower Upper
128	100	
127	0.0	10.3 15.5#
129	0.0	8.8 13.2#

