

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062521\
 Data File : VX022947.D
 Acq On : 26 Jun 2021 01:51
 Operator : JC/MD
 Sample : PB137293ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 26 03:58:59 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)

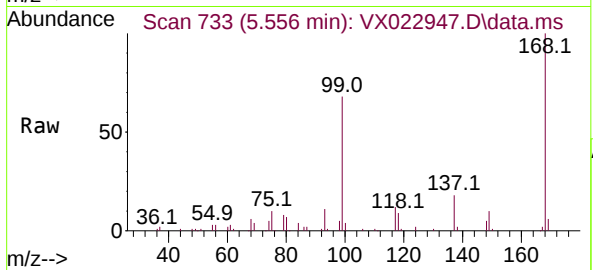
Internal Standards						
1) Pentafluorobenzene	5.556	168	49309	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	104290	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	103482	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	43799	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	46990	52.51	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.02%			
35) Dibromofluoromethane	5.397	113	33054	49.91	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.82%			
50) Toluene-d8	8.653	98	136465	52.58	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.16%			
62) 4-Bromofluorobenzene	11.085	95	51011	52.66	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.32%			
Target Compounds						Qvalue
10) Methyl Iodide	2.465	142	26	3.91	ug/l #	42
11) Tert butyl alcohol	2.965	59	126	0.68	ug/l #	73
16) Acetone	2.386	43	6756	17.03	ug/l	89
17) Carbon Disulfide	2.508	76	164	3.60	ug/l #	75
18) Methyl Acetate	2.715	43	492	0.50	ug/l #	47
20) Methylene Chloride	2.794	84	4989	6.67	ug/l #	85
25) 2-Butanone	4.587	43	1379	2.24	ug/l #	68
29) Tetrahydrofuran	5.032	42	203	0.51	ug/l #	39
31) Cyclohexane	5.550	56	1661	1.31	ug/l #	54
36) 1,1-Dichloropropene	5.556	75	5229	4.72	ug/l #	46
38) Carbon Tetrachloride	5.562	117	5830	6.27	ug/l #	16
43) Isopropyl Acetate	6.355	43	10311	5.00	ug/l #	92
48) Methyl methacrylate	7.610	41	3047	3.19	ug/l #	10
49) 1,4-Dioxane	7.805	88	45	2.19	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	37673	29.34	ug/l #	45
54) cis-1,3-Dichloropropene	8.555	75	16188	13.54	ug/l #	71
56) Ethyl methacrylate	9.250	69	89	2.64	ug/l #	1
57) 1,3-Dichloropropane	9.488	76	10216	7.25	ug/l #	42
59) 2-Hexanone	9.488	43	144256	148.10	ug/l #	43
74) N-amyl acetate	10.768	43	414	2.24	ug/l #	38
76) 1,2,3-Trichloropropane	11.085	75	27794	24.02	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.457	105	634	0.21	ug/l	93
81) trans-1,4-Dichloro-2-b...	11.085	75	27794	62.95	ug/l #	12
95) Naphthalene	13.780	128	291	2.00	ug/l #	69

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

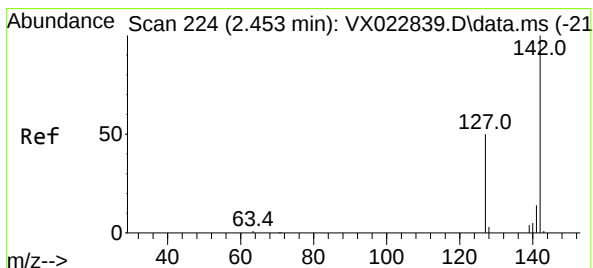
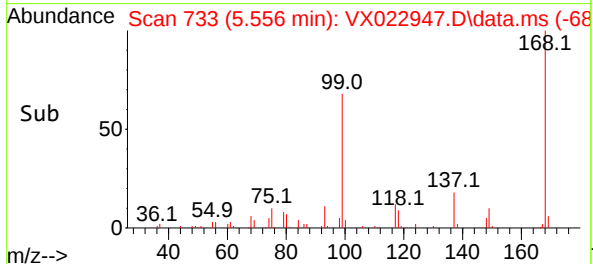
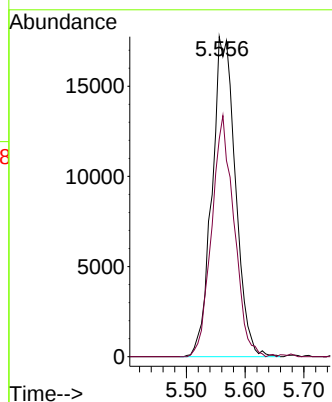


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX022947.D
Acq: 26 Jun 2021 01:51

Instrument :
MSVOA_X
ClientSampleId :

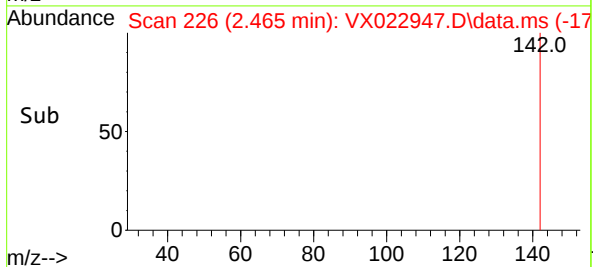
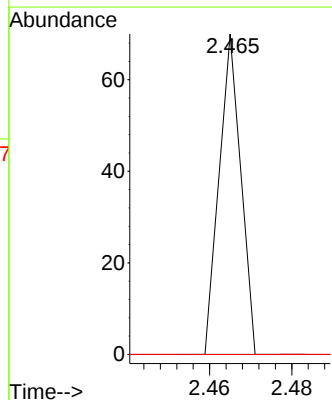
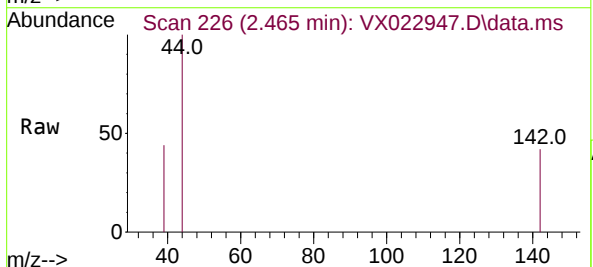


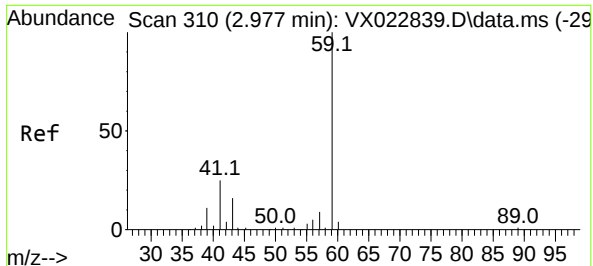
Tgt Ion:168 Resp: 49309
Ion Ratio Lower Upper
168 100
99 68.0 45.8 68.6



#10
Methyl Iodide
Concen: 3.91 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX022947.D
Acq: 26 Jun 2021 01:51

Tgt Ion:142 Resp: 26
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



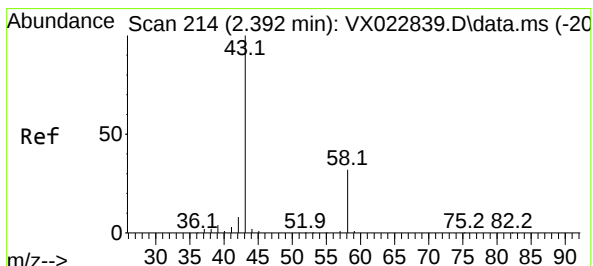
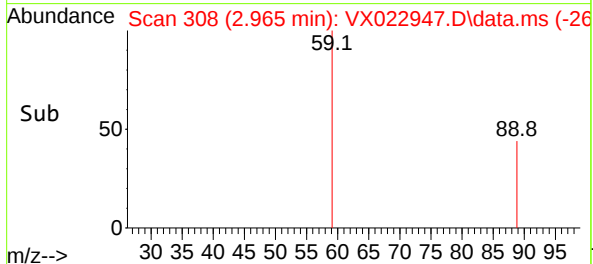
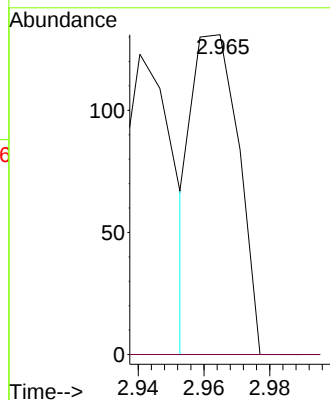
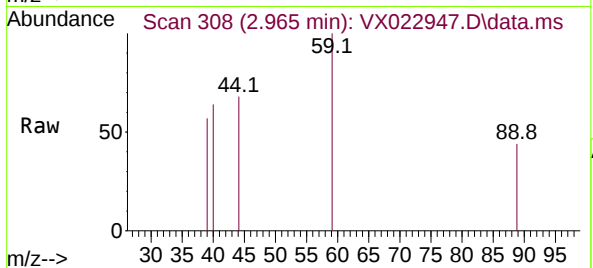


#11

Tert butyl alcohol
Concen: 0.68 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX022947.D
Acq: 26 Jun 2021 01:51

Instrument :
MSVOA_X
ClientSampled :

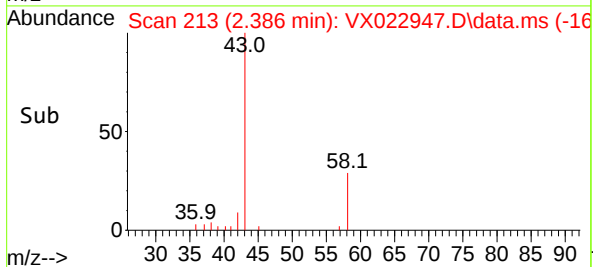
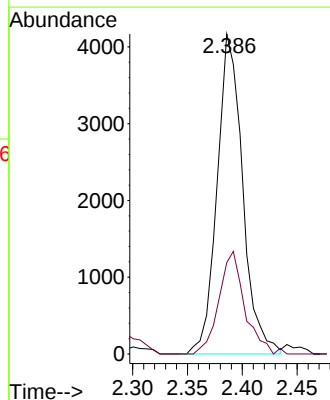
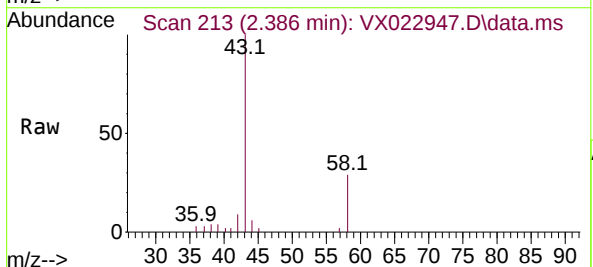
Tgt Ion: 59 Resp: 126
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

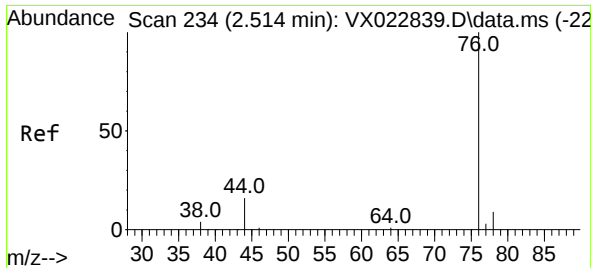


#16

Acetone
Concen: 17.03 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX022947.D
Acq: 26 Jun 2021 01:51

Tgt Ion: 43 Resp: 6756
Ion Ratio Lower Upper
43 100
58 28.6 27.8 41.8

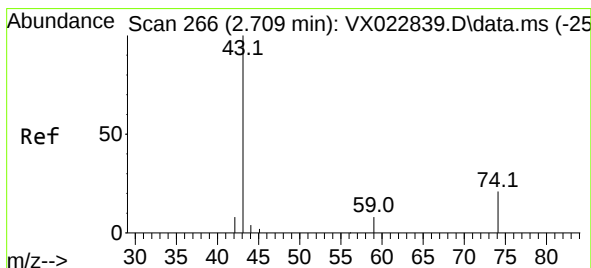
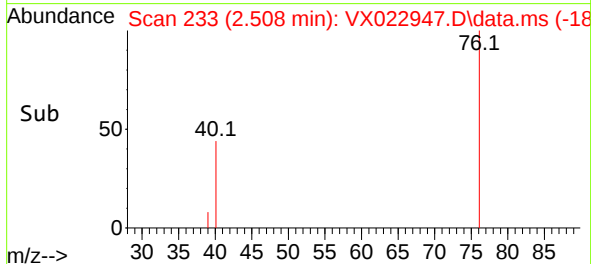
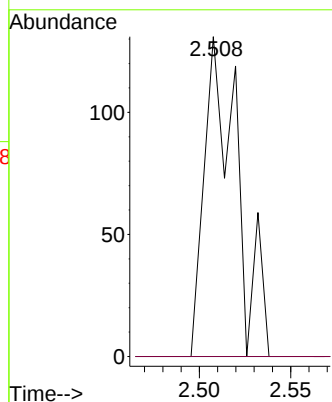
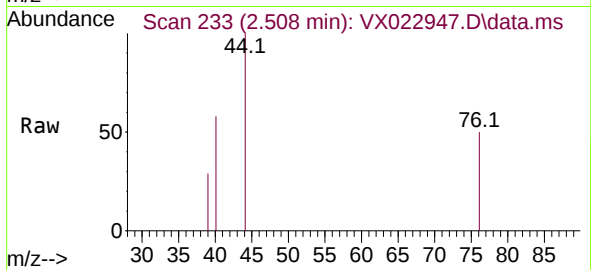




#17
Carbon Disulfide
Concen: 3.60 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX022947.D
Acq: 26 Jun 2021 01:51

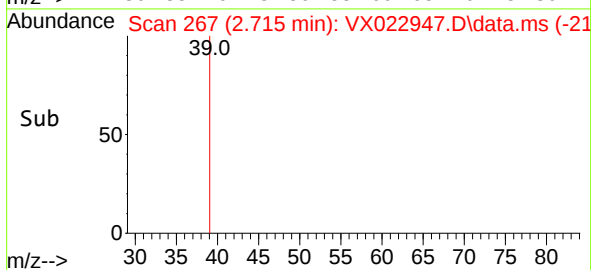
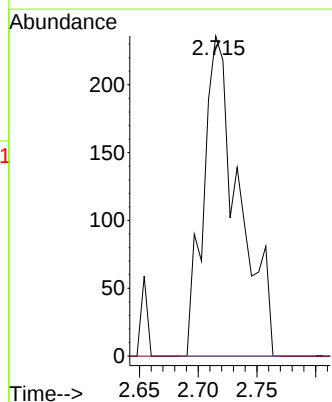
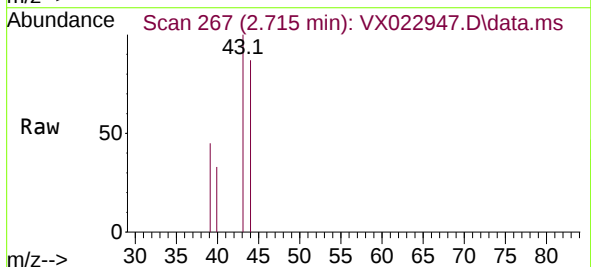
Instrument :
MSVOA_X
ClientSampleId :

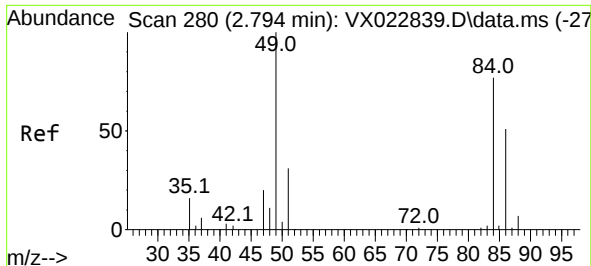
Tgt Ion: 76 Resp: 164
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.50 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX022947.D
Acq: 26 Jun 2021 01:51

Tgt Ion: 43 Resp: 492
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#





#20

Methylene Chloride

Concen: 6.67 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX022947.D

Acq: 26 Jun 2021 01:51

Tgt Ion: 84 Resp: 4989

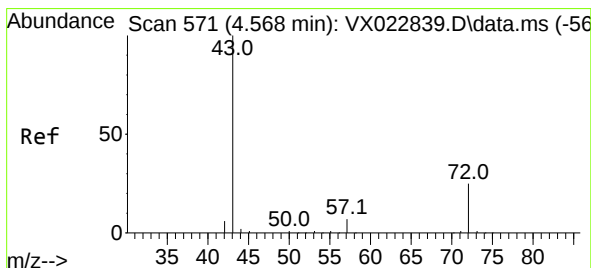
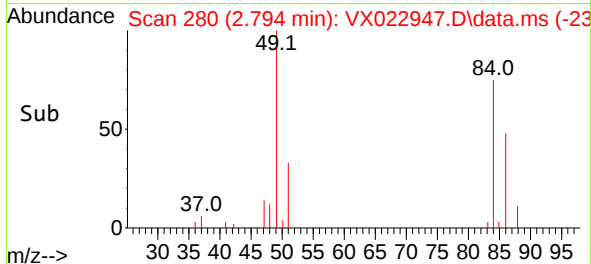
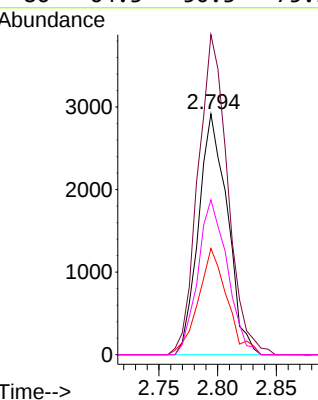
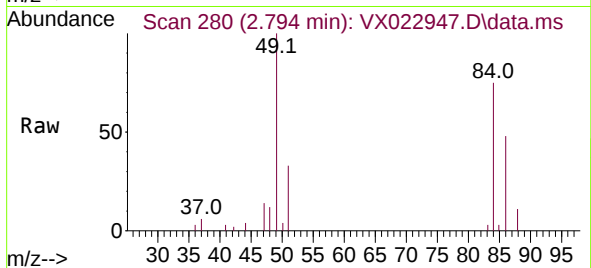
Ion Ratio Lower Upper

84 100

49 132.9 88.6 132.8#

51 44.2 27.0 40.6#

86 64.3 50.3 75.5



#25

2-Butanone

Concen: 2.24 ug/l

RT: 4.587 min Scan# 574

Delta R.T. 0.019 min

Lab File: VX022947.D

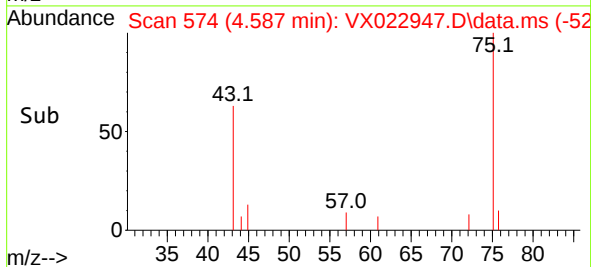
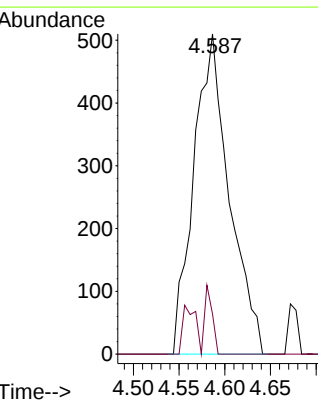
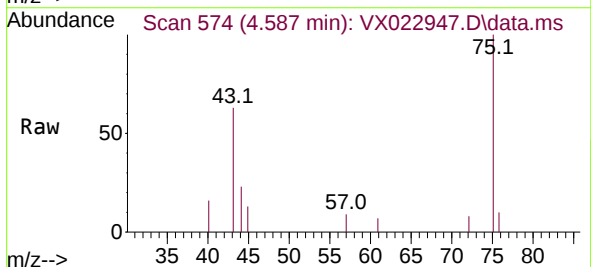
Acq: 26 Jun 2021 01:51

Tgt Ion: 43 Resp: 1379

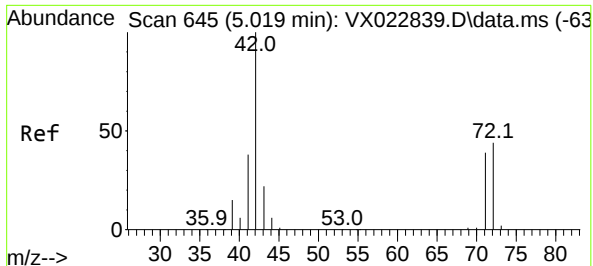
Ion Ratio Lower Upper

43 100

72 12.5 23.7 35.5#



Instrument :
MSVOA_X
ClientSampleId :



#29

Tetrahydrofuran

Concen: 0.51 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.013 min

Lab File: VX022947.D

Acq: 26 Jun 2021 01:51

Tgt Ion: 42 Resp: 203

Ion Ratio Lower Upper

42 100

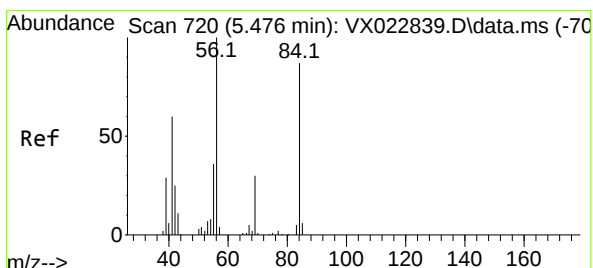
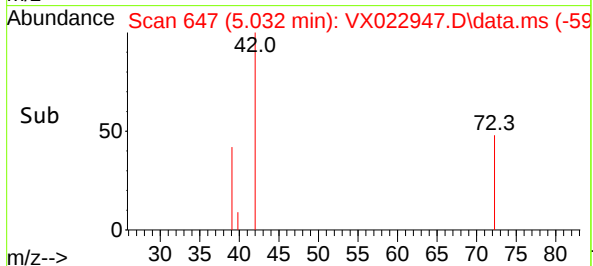
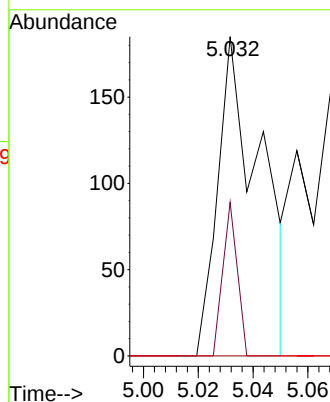
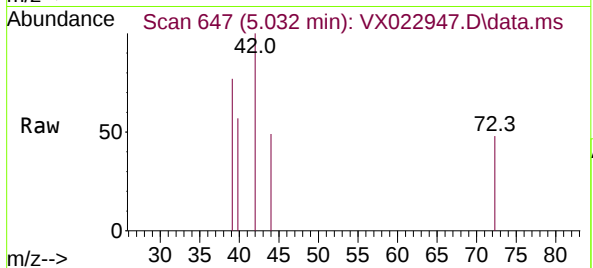
72 16.3 41.7 62.5#

71 0.0 38.4 57.6#

Instrument :

MSVOA_X

ClientSampled :



#31

Cyclohexane

Concen: 1.31 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.074 min

Lab File: VX022947.D

Acq: 26 Jun 2021 01:51

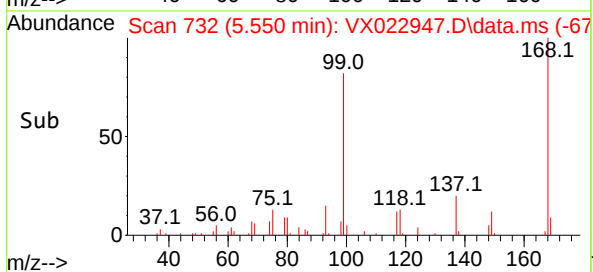
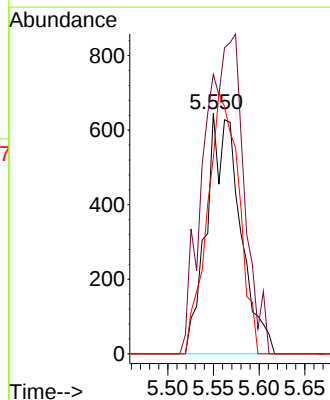
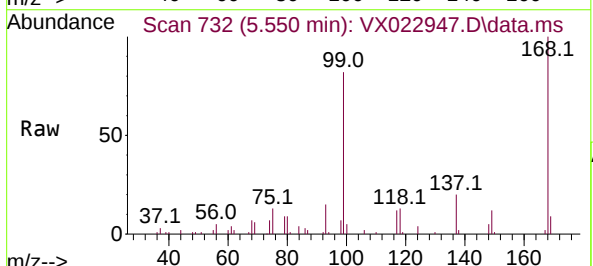
Tgt Ion: 56 Resp: 1661

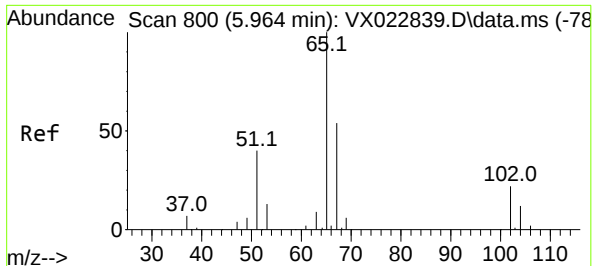
Ion Ratio Lower Upper

56 100

69 116.3 25.3 37.9#

84 81.4 71.4 107.0





#33

1,2-Dichloroethane-d4

Concen: 52.51 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX022947.D

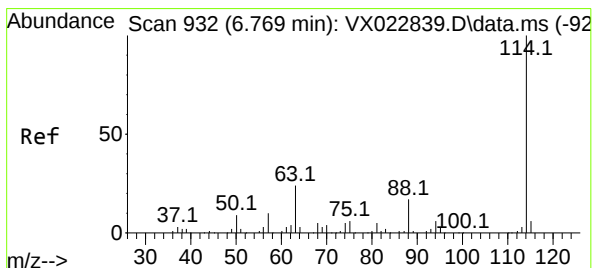
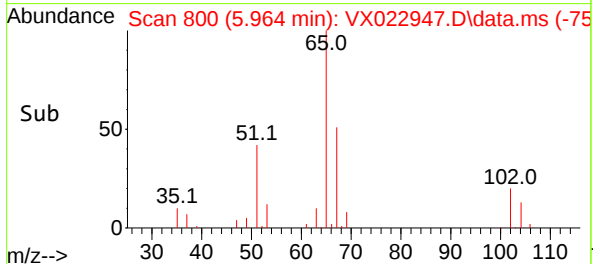
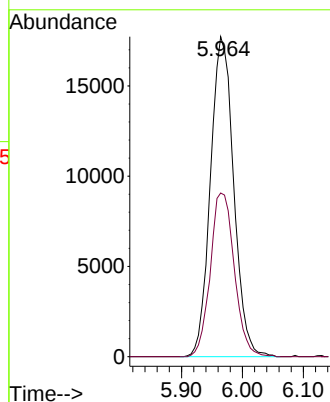
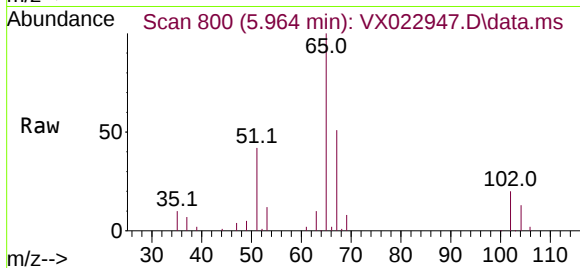
Acq: 26 Jun 2021 01:51

Tgt Ion: 65 Resp: 46990

Ion Ratio Lower Upper

65 100

67 52.9 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: VX022947.D

Acq: 26 Jun 2021 01:51

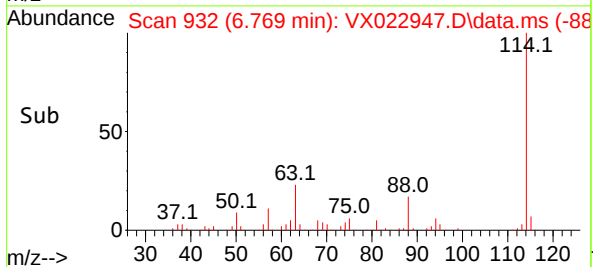
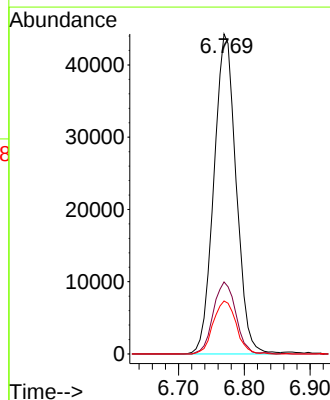
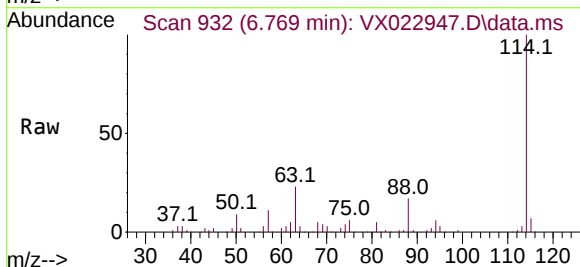
Tgt Ion: 114 Resp: 104290

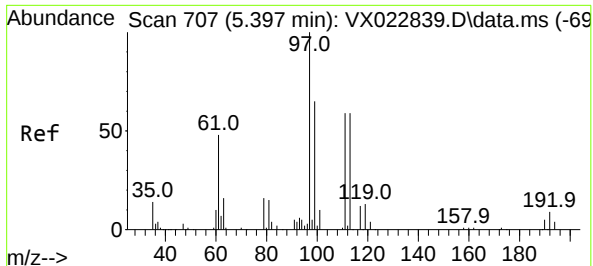
Ion Ratio Lower Upper

114 100

63 22.5 0.0 40.8

88 16.5 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.91 ug/l

RT: 5.397 min Scan# 707

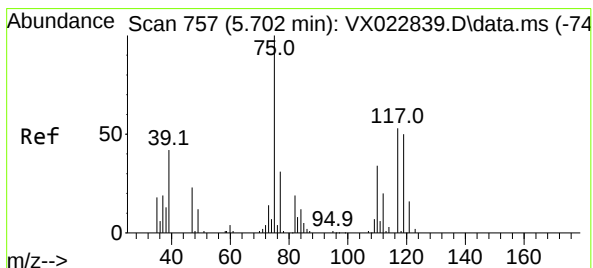
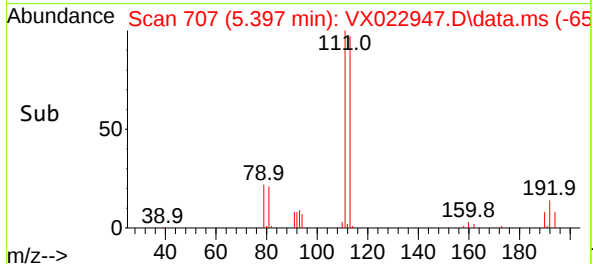
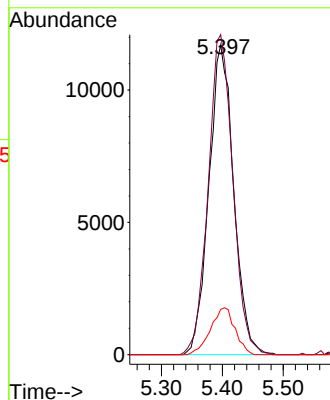
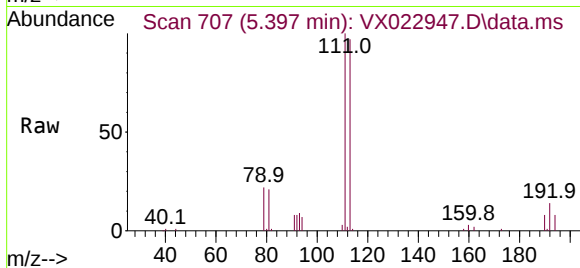
Delta R.T. 0.000 min

Lab File: VX022947.D

Acq: 26 Jun 2021 01:51

Tgt Ion:	113	Resp:	33054
Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.9	122.9
192	15.0	16.7	25.1#

Instrument :
MSVOA_X
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 4.72 ug/l

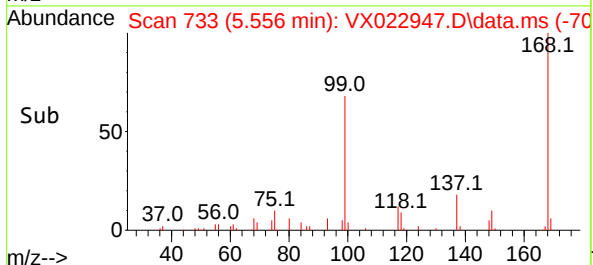
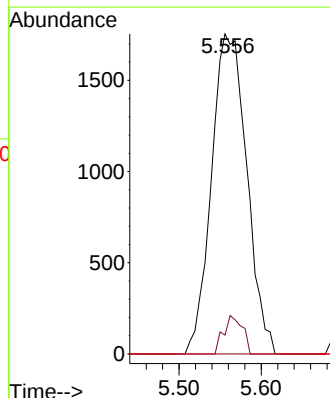
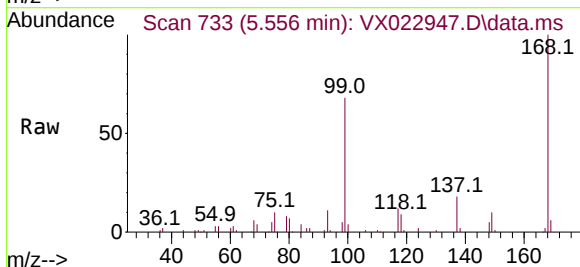
RT: 5.556 min Scan# 733

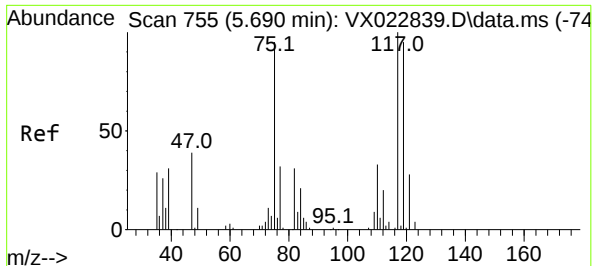
Delta R.T. -0.146 min

Lab File: VX022947.D

Acq: 26 Jun 2021 01:51

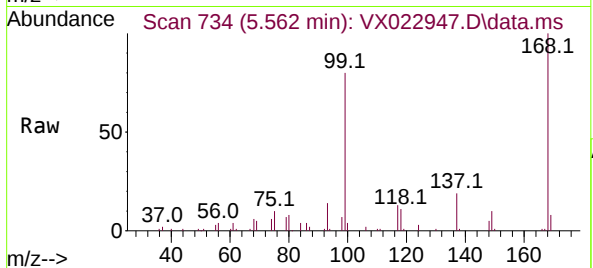
Tgt Ion:	75	Resp:	5229
Ion	Ratio	Lower	Upper
75	100		
110	6.4	18.1	54.4#
77	0.0	25.3	37.9#



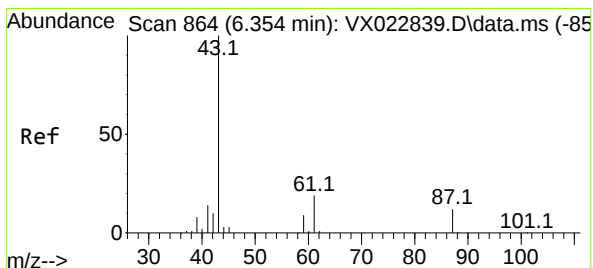
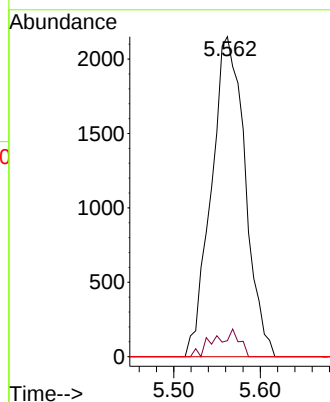
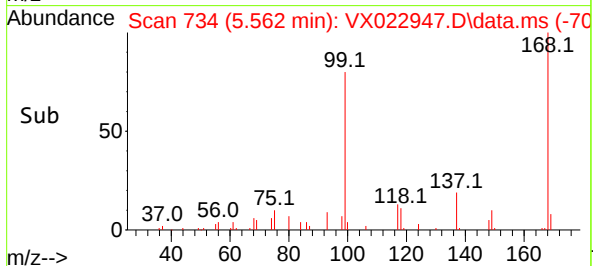


#38
Carbon Tetrachloride
Concen: 6.27 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX022947.D
Acq: 26 Jun 2021 01:51

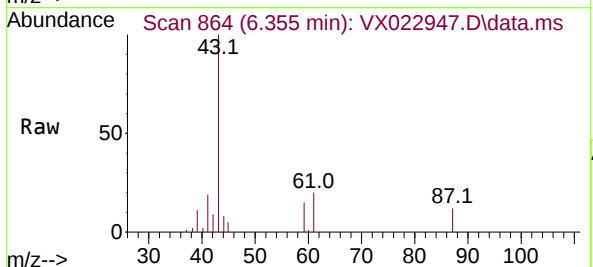
Instrument :
MSVOA_X
ClientSampleId :



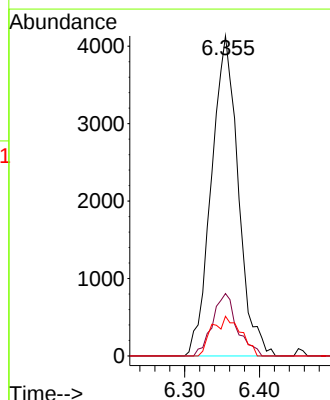
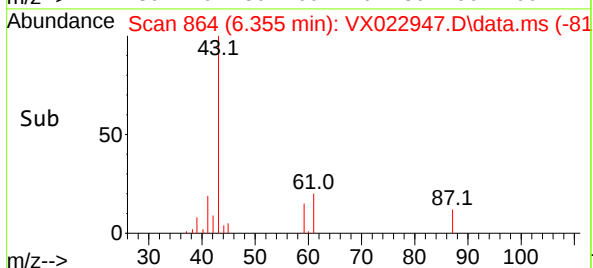
Tgt Ion:117 Resp: 5830
Ion Ratio Lower Upper
117 100
119 5.0 76.2 114.2#
121 0.0 24.8 37.2#

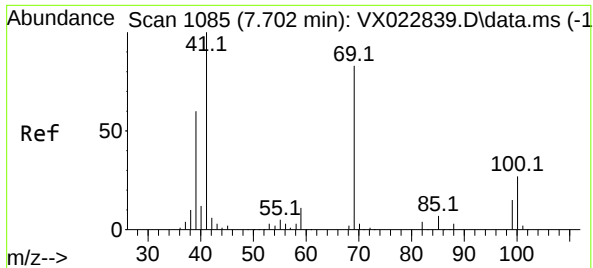


#43
Isopropyl Acetate
Concen: 5.00 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.001 min
Lab File: VX022947.D
Acq: 26 Jun 2021 01:51



Tgt Ion: 43 Resp: 10311
Ion Ratio Lower Upper
43 100
61 17.9 18.2 27.4#
87 13.2 12.5 18.7

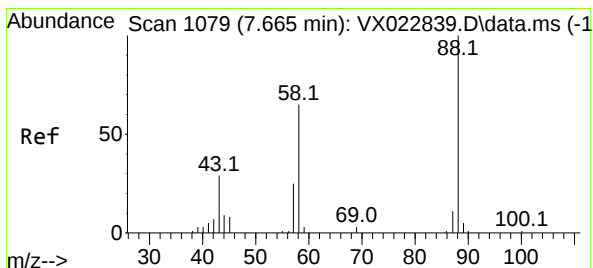
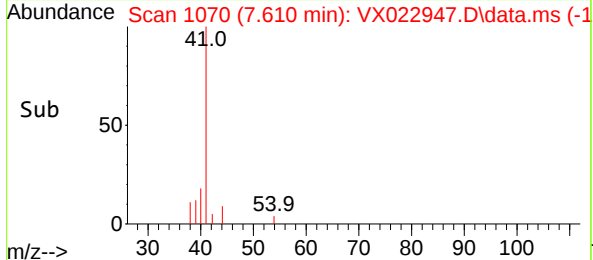
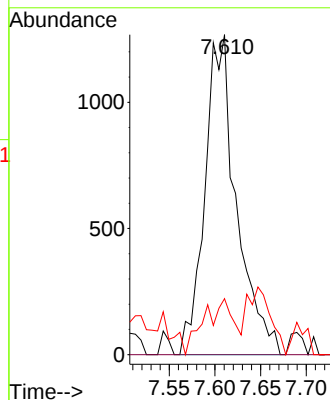
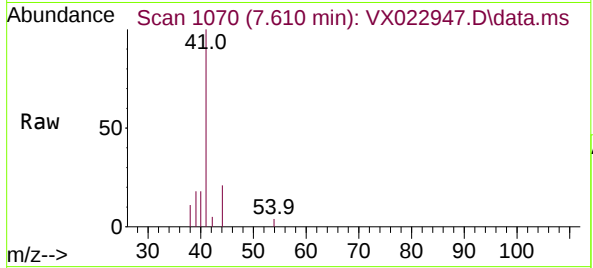




#48
Methyl methacrylate
Concen: 3.19 ug/l
RT: 7.610 min Scan# 1070
Delta R.T. -0.092 min
Lab File: VX022947.D
Acq: 26 Jun 2021 01:51

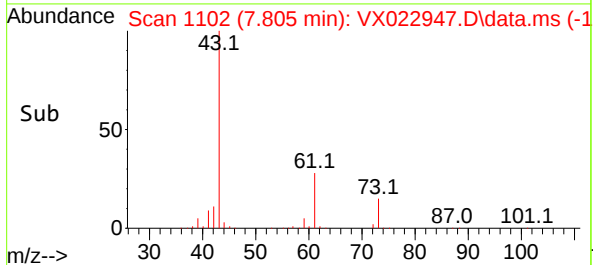
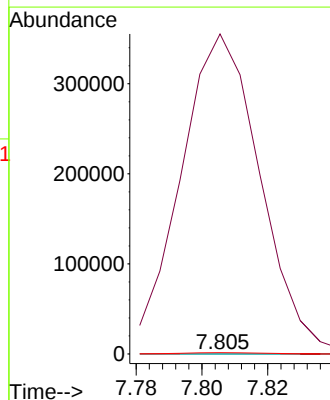
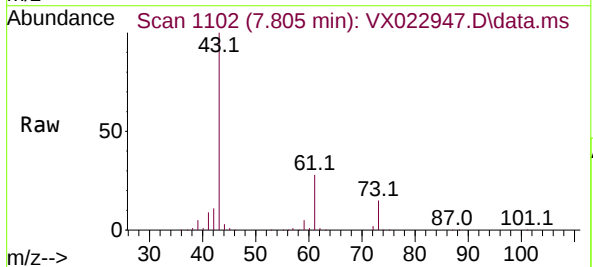
Instrument :
MSVOA_X
ClientSampled :

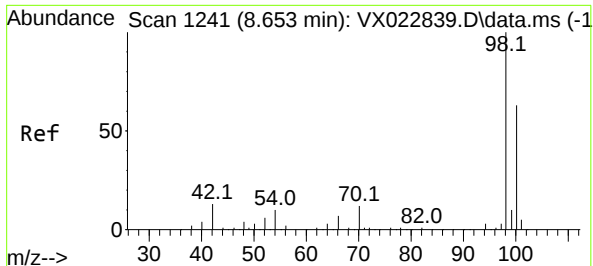
Tgt Ion: 41 Resp: 3047
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 2.19 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.140 min
Lab File: VX022947.D
Acq: 26 Jun 2021 01:51

Tgt Ion: 88 Resp: 45
Ion Ratio Lower Upper
88 100
43 1358573.3 23.2 34.8#
58 5906.7 55.0 82.4#

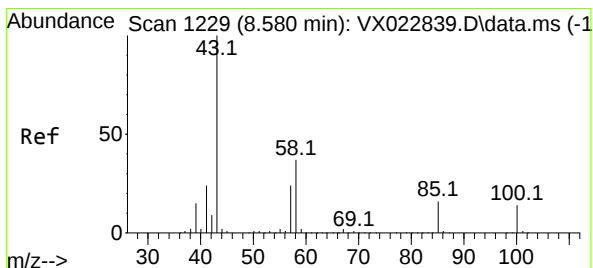
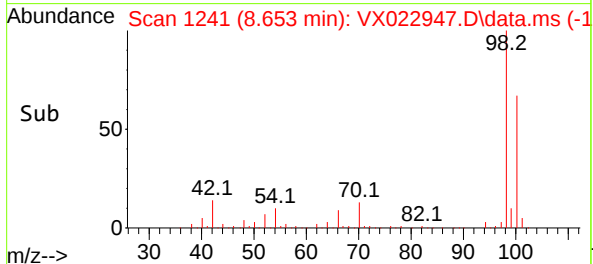
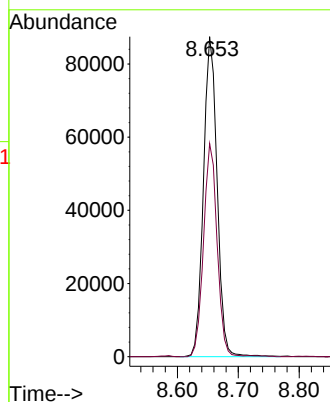
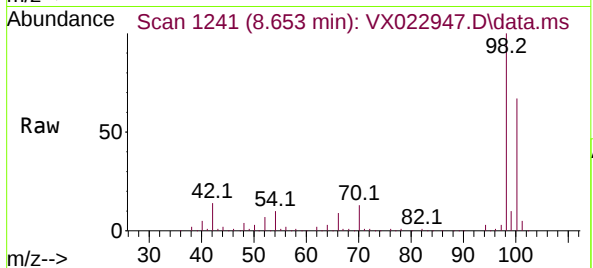




#50
Toluene-d8
Concen: 52.58 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022947.D
Acq: 26 Jun 2021 01:51

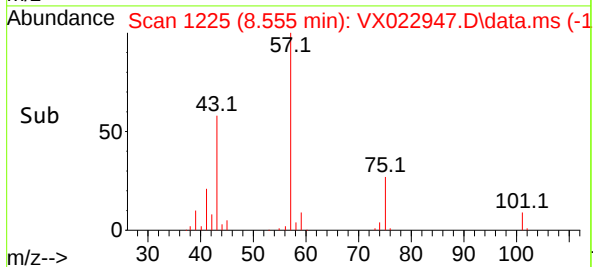
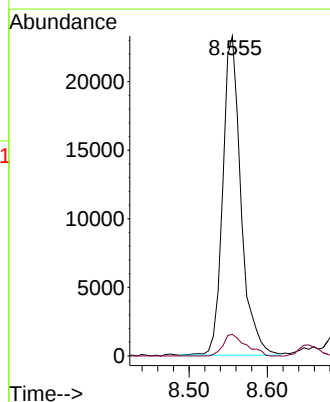
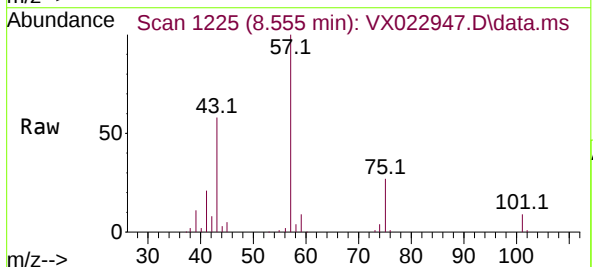
Instrument :
MSVOA_X
ClientSampled :

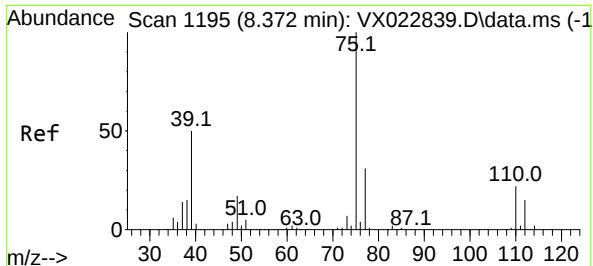
Tgt Ion: 98 Resp: 136465
Ion Ratio Lower Upper
98 100
100 66.4 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 29.34 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX022947.D
Acq: 26 Jun 2021 01:51

Tgt Ion: 43 Resp: 37673
Ion Ratio Lower Upper
43 100
58 8.5 35.4 53.0#

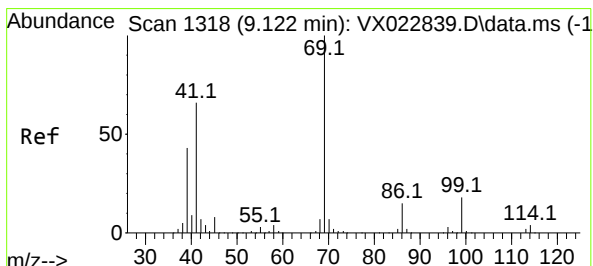
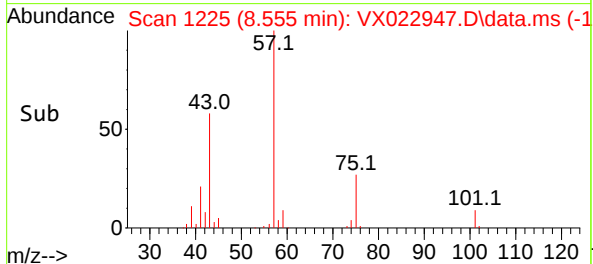
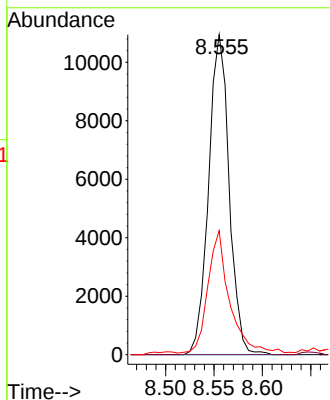
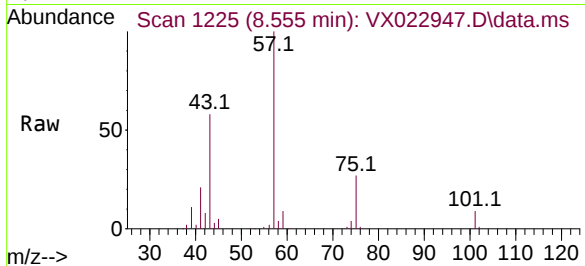




#54
cis-1,3-Dichloropropene
Concen: 13.54 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX022947.D
Acq: 26 Jun 2021 01:51

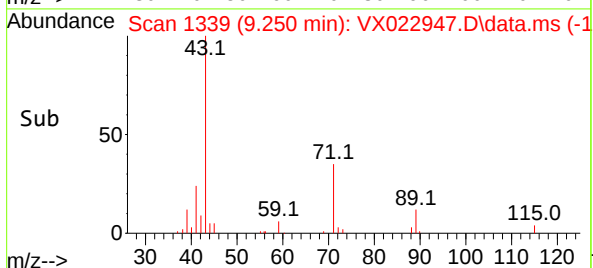
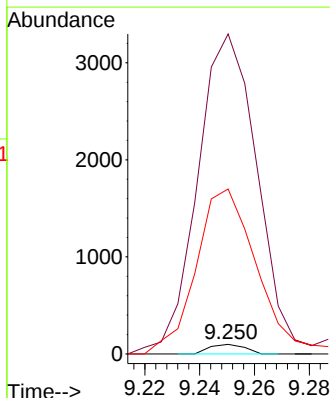
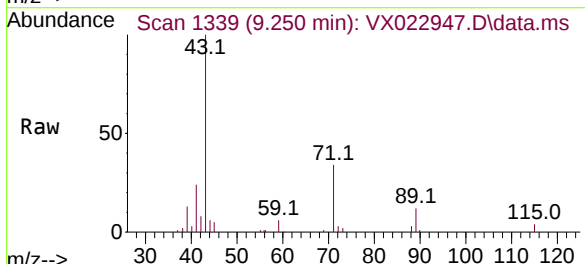
Instrument :
MSVOA_X
ClientSampled :

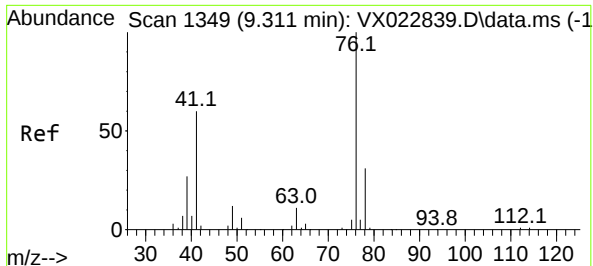
Tgt Ion: 75 Resp: 16188
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 38.3 35.1 52.7



#56
Ethyl methacrylate
Concen: 2.64 ug/l
RT: 9.250 min Scan# 1339
Delta R.T. 0.128 min
Lab File: VX022947.D
Acq: 26 Jun 2021 01:51

Tgt Ion: 69 Resp: 89
Ion Ratio Lower Upper
69 100
41 5607.9 46.8 70.2#
39 2948.3 24.7 37.1#



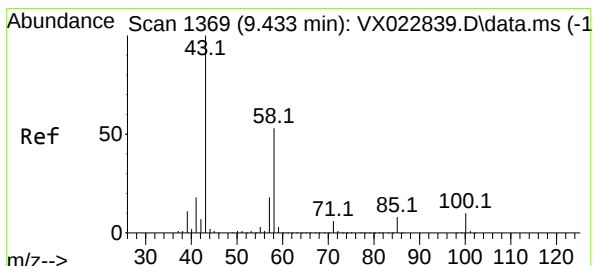
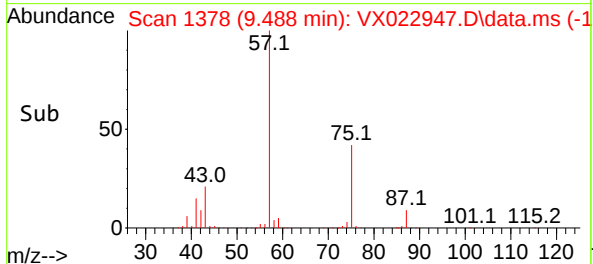
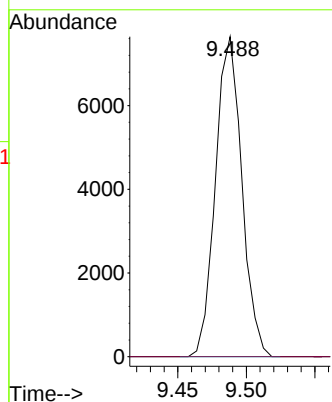
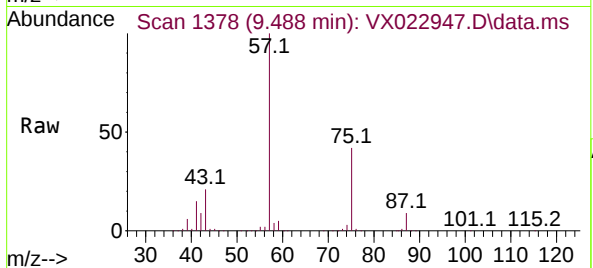


#57

1,3-Dichloropropane
Concen: 7.25 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX022947.D
Acq: 26 Jun 2021 01:51

Instrument :
MSVOA_X
ClientSampleId :

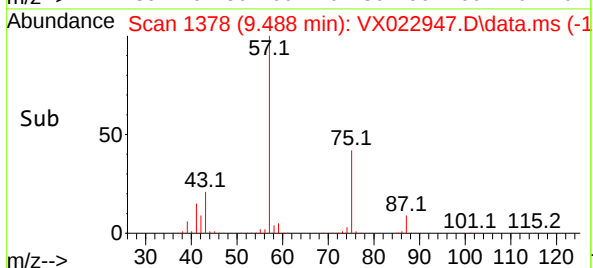
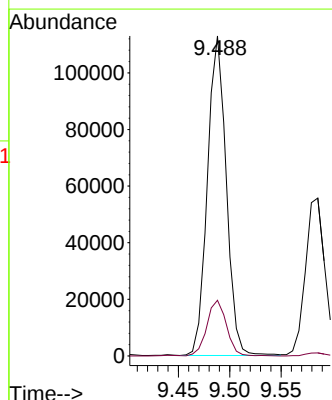
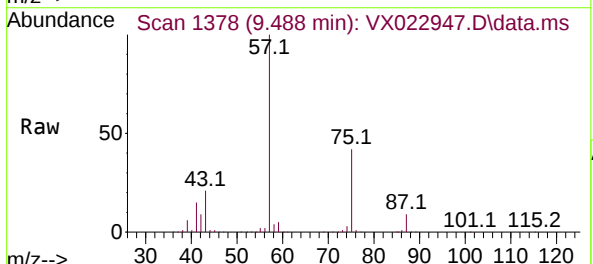
Tgt Ion: 76 Resp: 10216
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

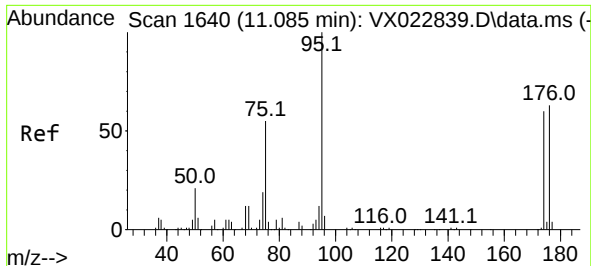


#59

2-Hexanone
Concen: 148.10 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX022947.D
Acq: 26 Jun 2021 01:51

Tgt Ion: 43 Resp: 144256
Ion Ratio Lower Upper
43 100
58 18.2 30.9 92.8#

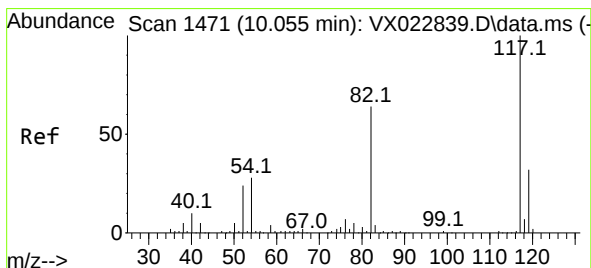
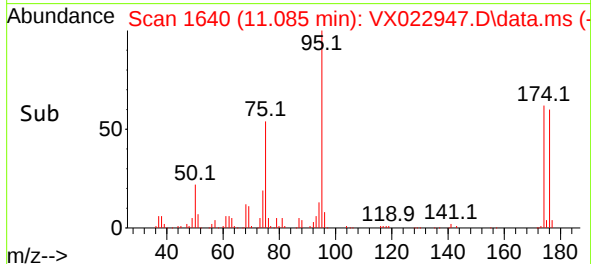
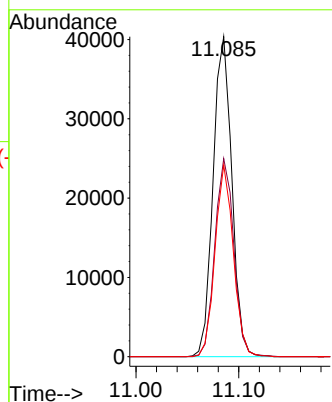
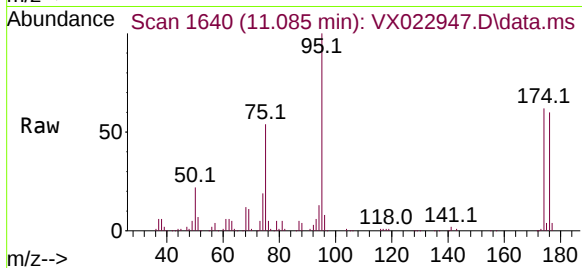




#62
4-Bromofluorobenzene
Concen: 52.66 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022947.D
Acq: 26 Jun 2021 01:51

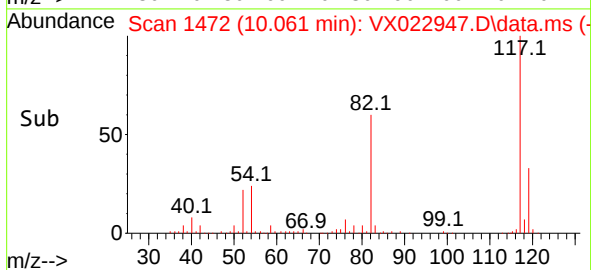
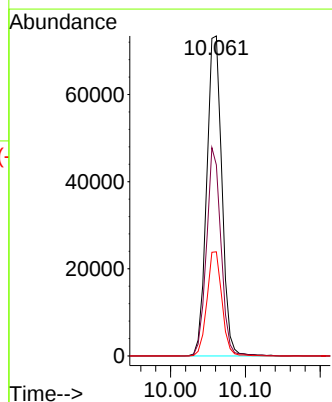
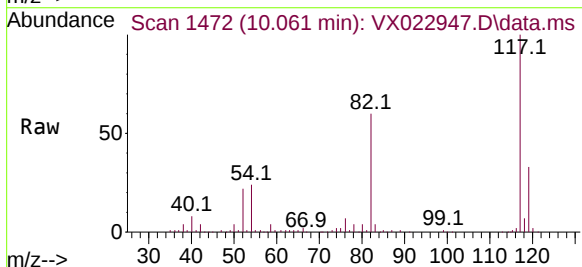
Instrument :
MSVOA_X
ClientSampled :

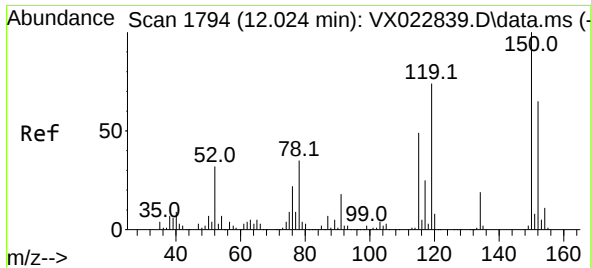
Tgt Ion: 95 Resp: 51011
Ion Ratio Lower Upper
95 100
174 62.7 0.0 154.6
176 58.6 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX022947.D
Acq: 26 Jun 2021 01:51

Tgt Ion: 117 Resp: 103482
Ion Ratio Lower Upper
117 100
82 59.7 47.4 71.2
119 32.6 26.6 39.8

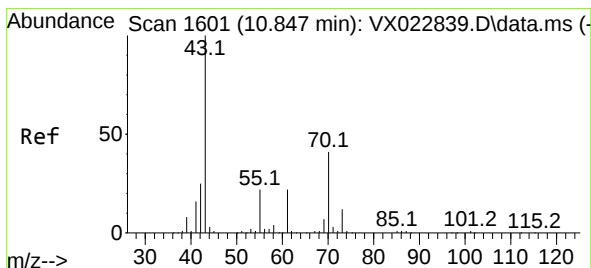
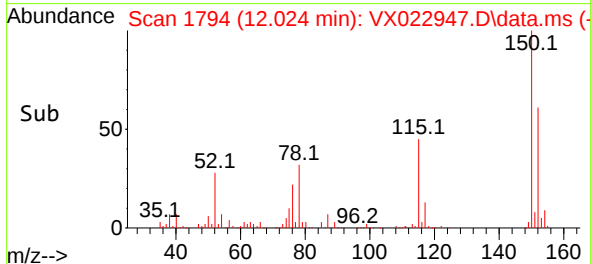
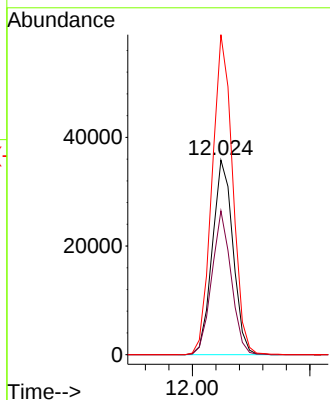
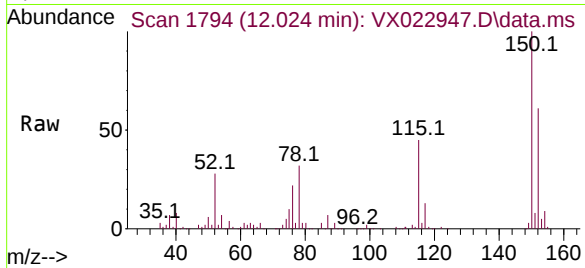




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022947.D
Acq: 26 Jun 2021 01:51

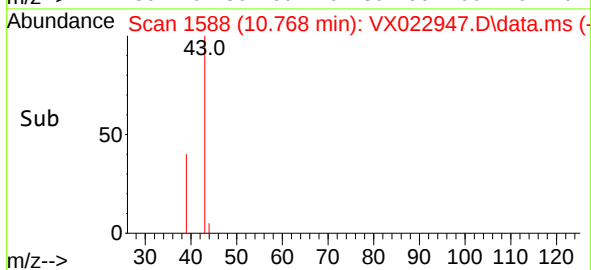
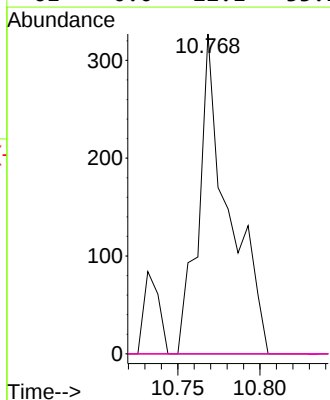
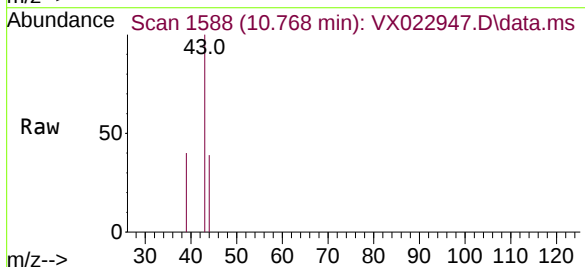
Instrument :
MSVOA_X
ClientSampleId :

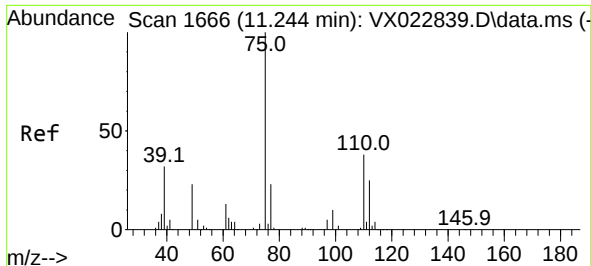
Tgt Ion:152 Resp: 43799
Ion Ratio Lower Upper
152 100
115 69.3 41.1 123.3
150 163.6 0.0 349.0



#74
N-ethyl acetate
Concen: 2.24 ug/l
RT: 10.768 min Scan# 1588
Delta R.T. -0.079 min
Lab File: VX022947.D
Acq: 26 Jun 2021 01:51

Tgt Ion: 43 Resp: 414
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#

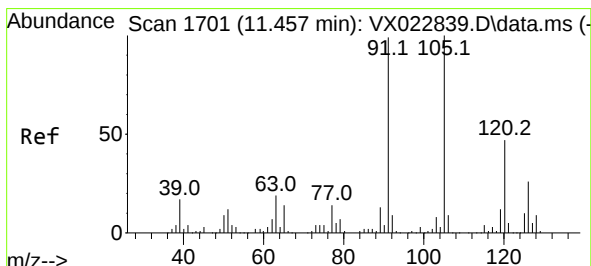
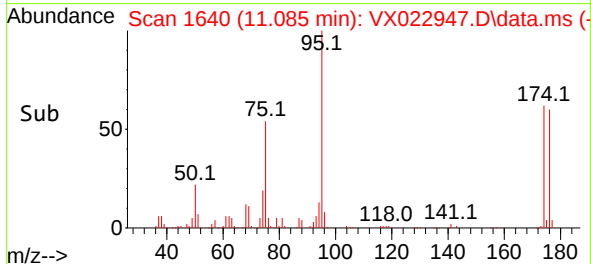
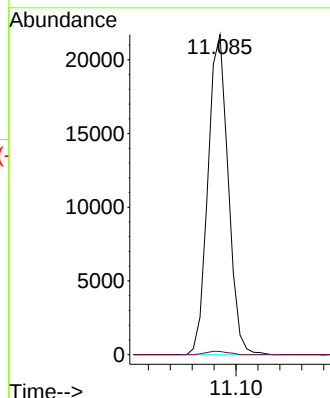
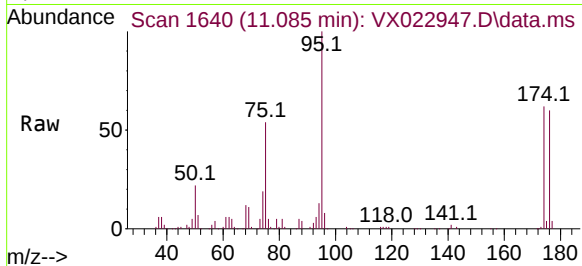




#76
1,2,3-Trichloropropane
Concen: 24.02 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022947.D
Acq: 26 Jun 2021 01:51

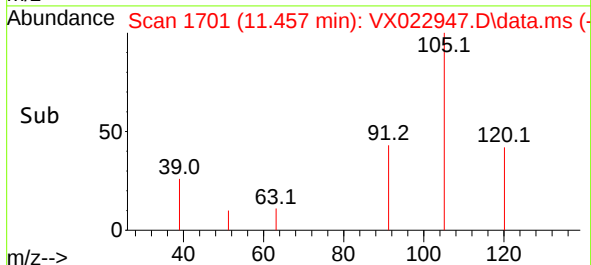
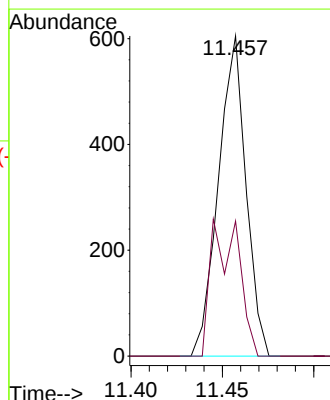
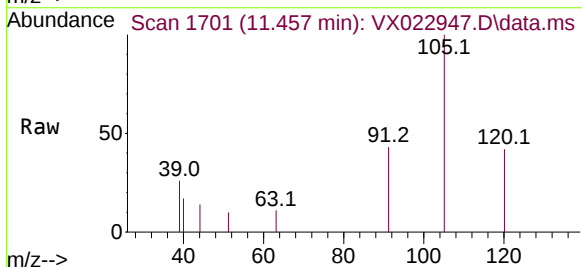
Instrument :
MSVOA_X
ClientSampled :

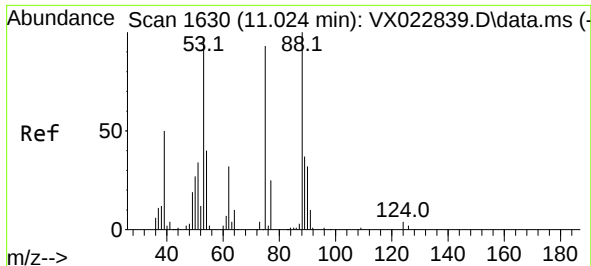
Tgt Ion: 75 Resp: 27794
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.21 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX022947.D
Acq: 26 Jun 2021 01:51

Tgt Ion:105 Resp: 634
Ion Ratio Lower Upper
105 100
120 42.9 23.8 71.5

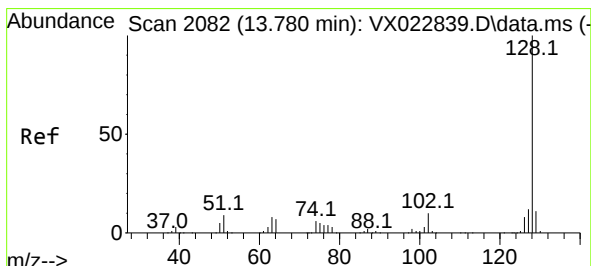
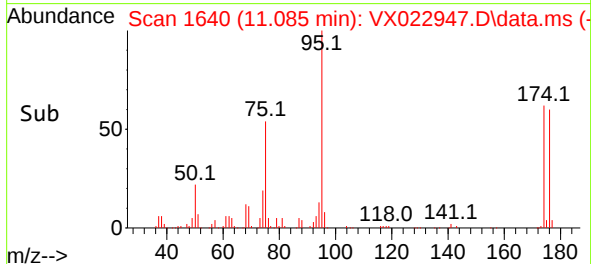
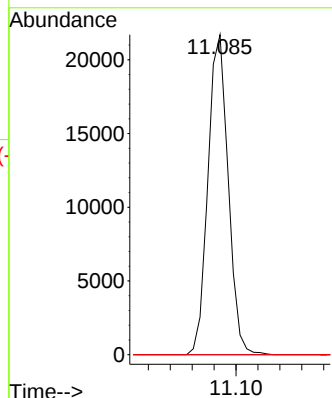
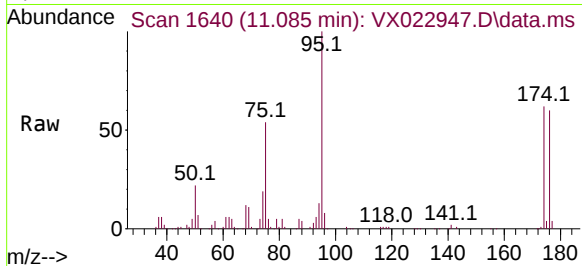




#81
trans-1,4-Dichloro-2-butene
Concen: 62.95 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX022947.D
Acq: 26 Jun 2021 01:51

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 27794
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 2.00 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX022947.D
Acq: 26 Jun 2021 01:51

Tgt Ion:128 Resp: 291
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

