

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060821\
 Data File : VX022571.D
 Acq On : 08 Jun 2021 18:05
 Operator : JC/MD
 Sample : PB136878ZHE#11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 09 04:01:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 07 14:27:50 2021
 Response via : Initial Calibration

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

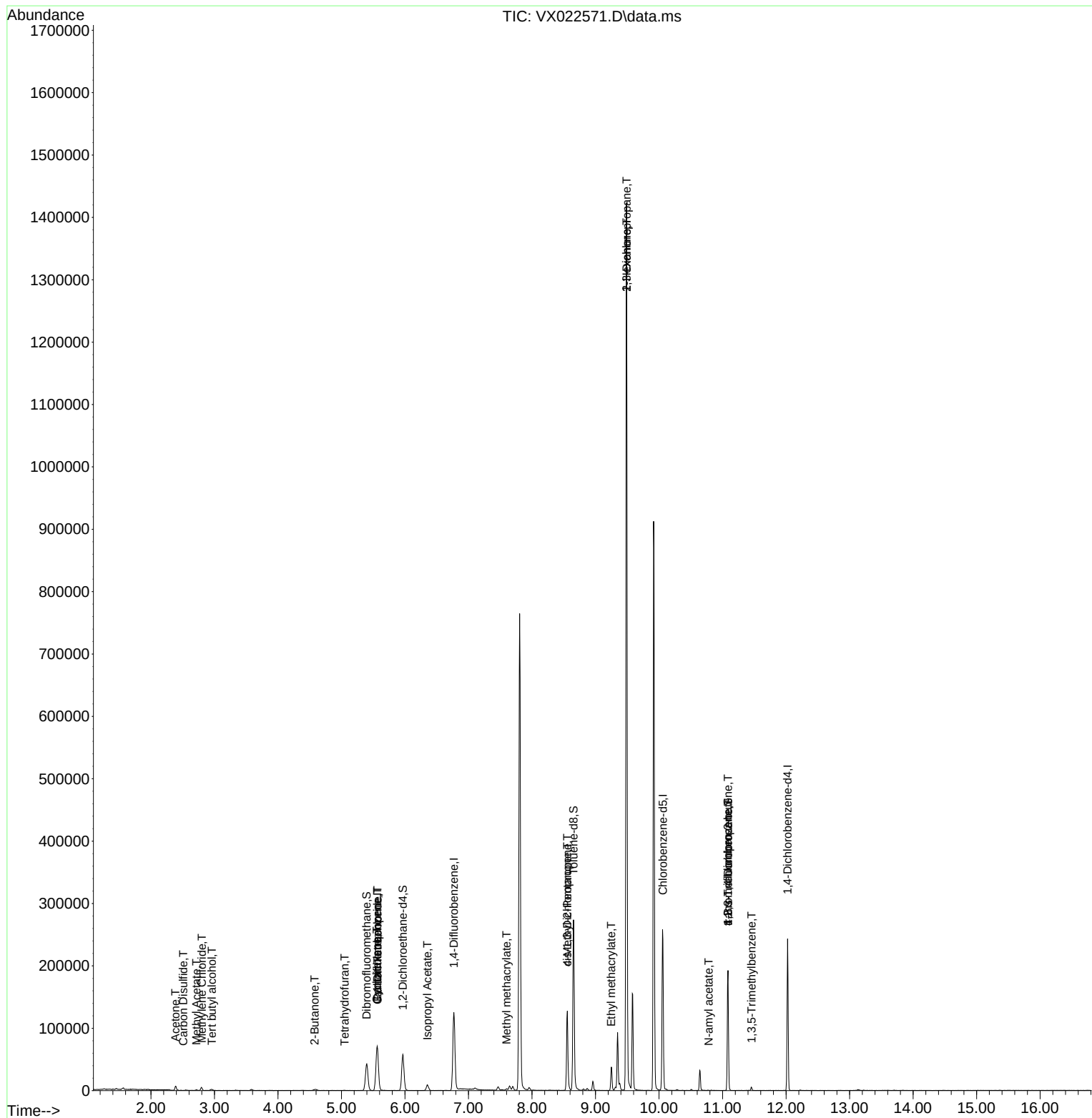
Internal Standards						
1) Pentafluorobenzene	5.562	168	59703	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	122065	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	108592	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	41909	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	51429	48.456	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.920%		
35) Dibromofluoromethane	5.397	113	36575	47.891	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.780%		
50) Toluene-d8	8.653	98	153648	50.421	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.840%		
62) 4-Bromofluorobenzene	11.085	95	52027	45.933	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.860%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.959	59	1281	5.381	ug/l	# 73
16) Acetone	2.386	43	7536	15.801	ug/l	99
17) Carbon Disulfide	2.508	76	21	3.394	ug/l	# 75
18) Methyl Acetate	2.715	43	1434	1.090	ug/l	# 80
20) Methylene Chloride	2.800	84	2013	2.022	ug/l	# 84
25) 2-Butanone	4.574	43	1910	2.423	ug/l	# 81
29) Tetrahydrofuran	5.050	42	259	0.560	ug/l	# 46
31) Cyclohexane	5.556	56	1665	1.326	ug/l	# 7
36) 1,1-Dichloropropene	5.562	75	6130	5.191	ug/l	# 48
38) Carbon Tetrachloride	5.568	117	7178	8.351	ug/l	# 17
43) Isopropyl Acetate	6.355	43	11811	4.807	ug/l	93
48) Methyl methacrylate	7.598	41	3559	3.113	ug/l	# 10
51) 4-Methyl-2-Pentanone	8.555	43	44465	29.050	ug/l	# 45
54) cis-1,3-Dichloropropene	8.555	75	19295	13.946	ug/l	# 63
56) Ethyl methacrylate	9.244	69	80	2.747	ug/l	# 1
57) 1,3-Dichloropropane	9.488	76	12039	7.468	ug/l	# 42
59) 2-Hexanone	9.488	43	166073	142.027	ug/l	# 44
74) N-amyl acetate	10.781	43	444	0.242	ug/l	# 38
76) 1,2,3-Trichloropropane	11.085	75	27770	25.578	ug/l	# 39
80) 1,3,5-Trimethylbenzene	11.457	105	2486	0.852	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.085	75	27770	63.162	ug/l	# 12

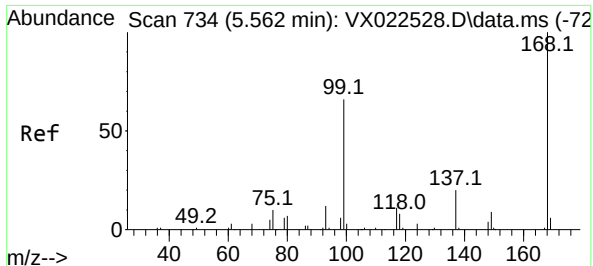
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jun 07 14:27:50 2021
Response via : Initial Calibration

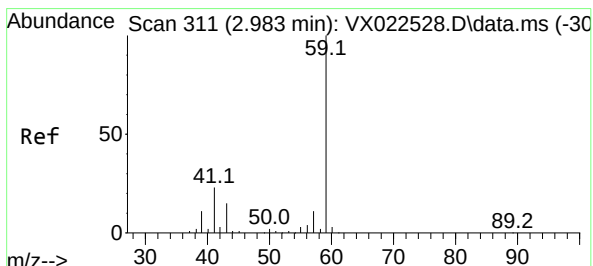
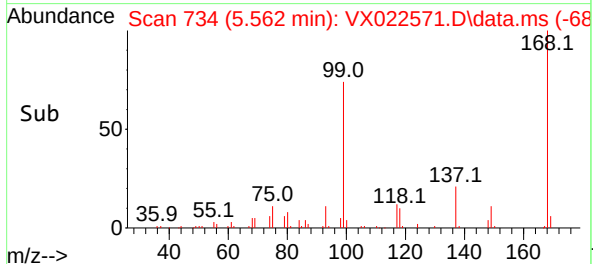
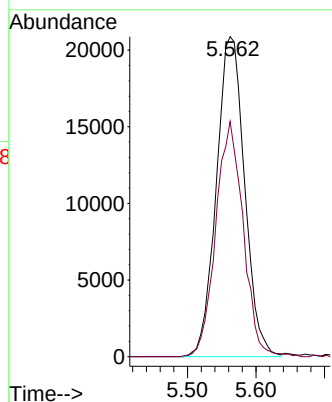
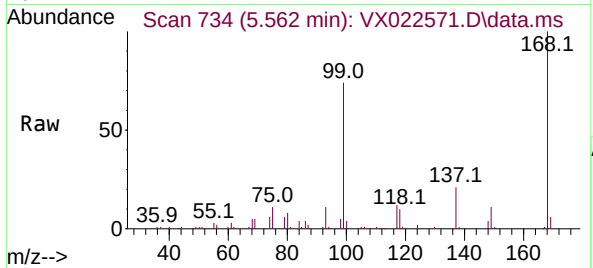




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX022571.D
Acq: 08 Jun 2021 18:05

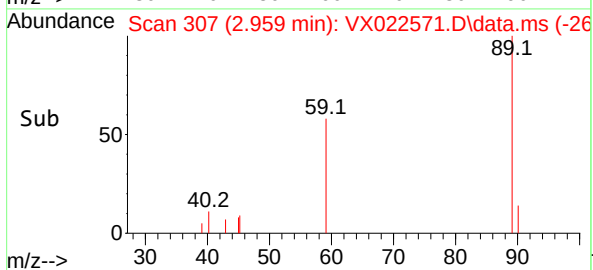
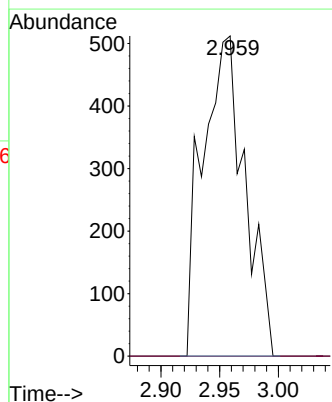
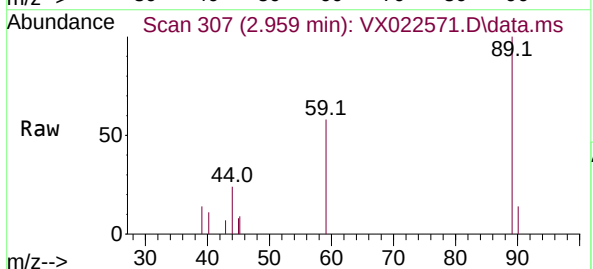
Instrument :
MSVOA_X
ClientSampleId :

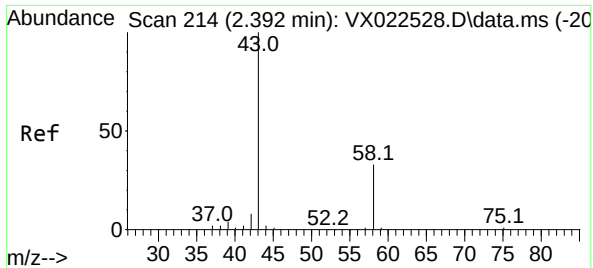
Tgt Ion:168 Resp: 59703
Ion Ratio Lower Upper
168 100
99 73.5 45.8 68.6#



#11
Tert butyl alcohol
Concen: 5.381 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX022571.D
Acq: 08 Jun 2021 18:05

Tgt Ion: 59 Resp: 1281
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

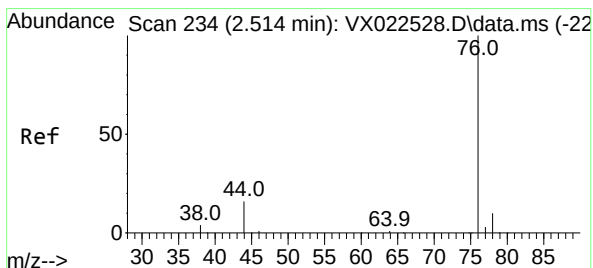
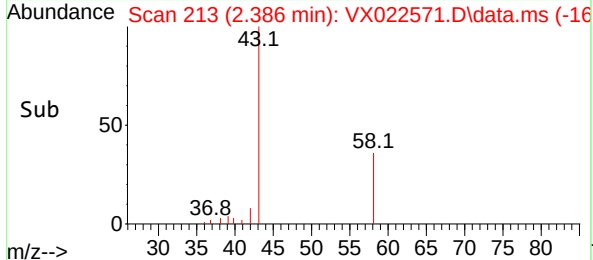
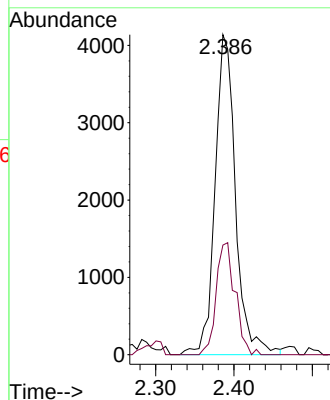
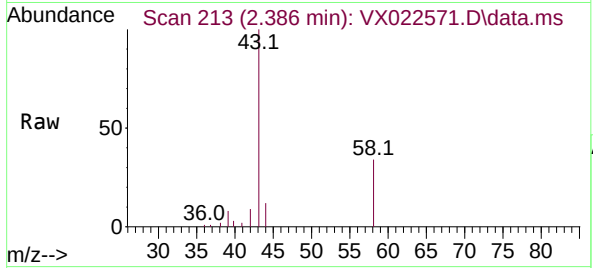




#16
Acetone
Concen: 15.801 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX022571.D
Acq: 08 Jun 2021 18:05

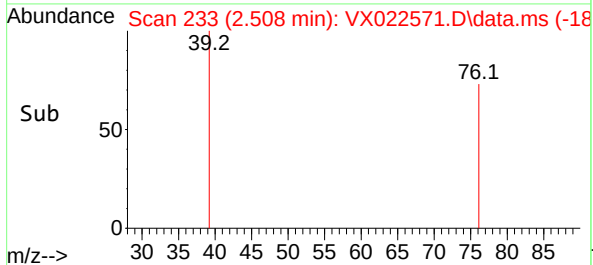
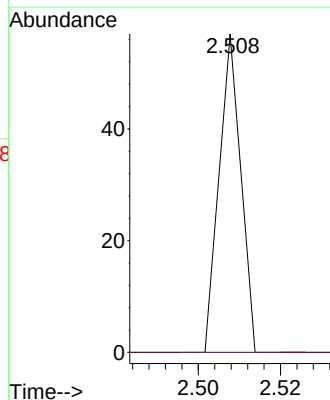
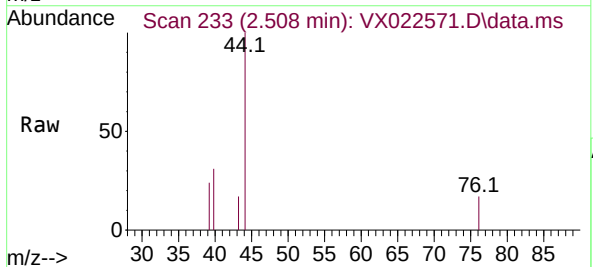
Instrument :
MSVOA_X
ClientSampled :

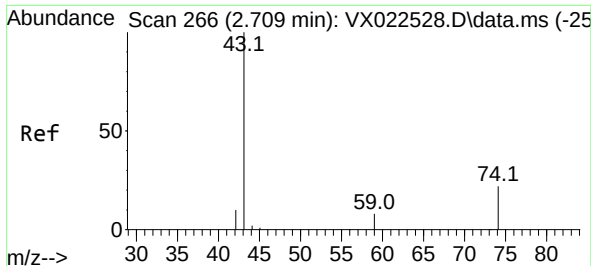
Tgt Ion: 43 Resp: 7536
Ion Ratio Lower Upper
43 100
58 34.3 27.8 41.8



#17
Carbon Disulfide
Concen: 3.394 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX022571.D
Acq: 08 Jun 2021 18:05

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





#18

Methyl Acetate

Concen: 1.090 ug/l

RT: 2.715 min Scan# 267

Delta R.T. 0.006 min

Lab File: VX022571.D

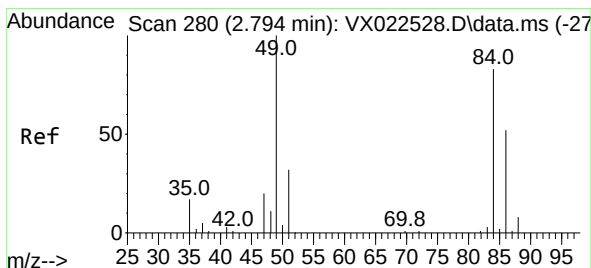
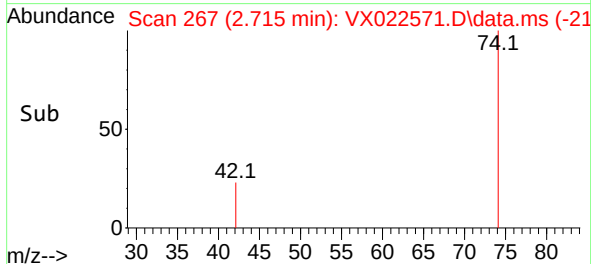
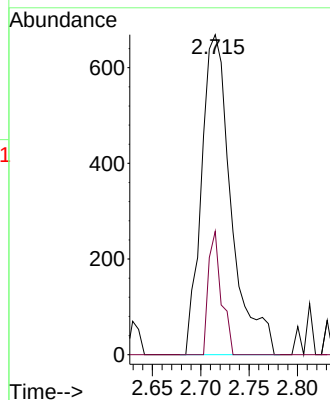
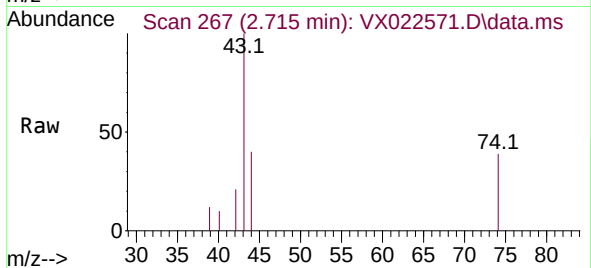
Acq: 08 Jun 2021 18:05

Tgt Ion: 43 Resp: 1434

Ion Ratio Lower Upper

43 100

74 16.7 21.9 32.9#



#20

Methylene Chloride

Concen: 2.022 ug/l

RT: 2.800 min Scan# 281

Delta R.T. 0.006 min

Lab File: VX022571.D

Acq: 08 Jun 2021 18:05

Tgt Ion: 84 Resp: 2013

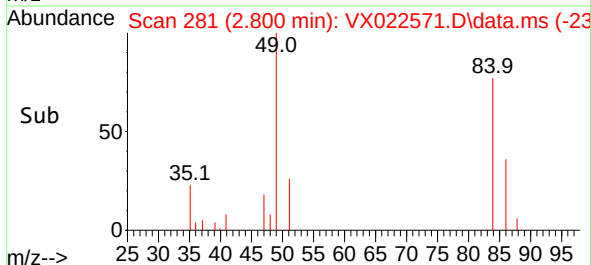
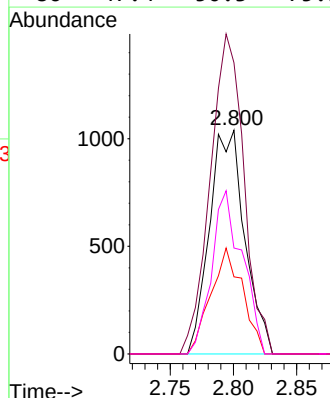
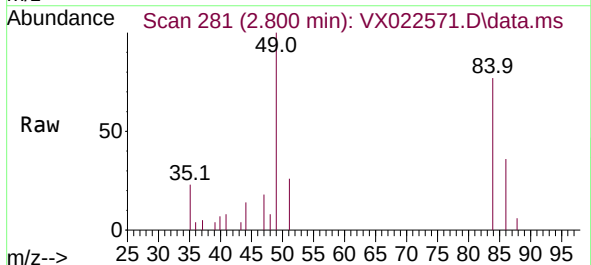
Ion Ratio Lower Upper

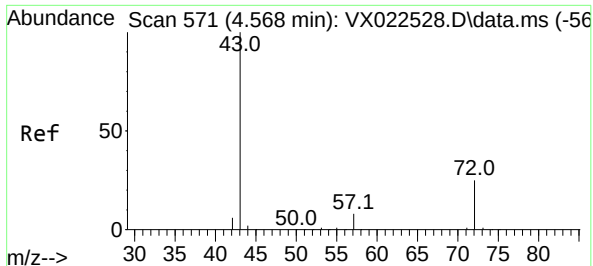
84 100

49 130.2 88.6 132.8

51 34.5 27.0 40.6

86 47.4 50.3 75.5#





#25

2-Butanone

Concen: 2.423 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.006 min

Lab File: VX022571.D

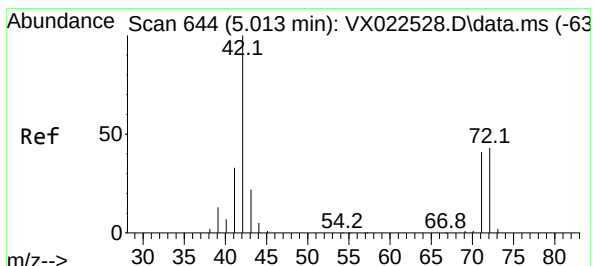
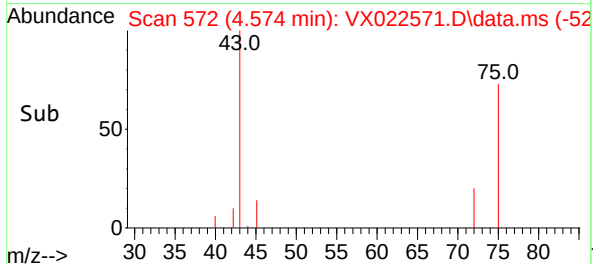
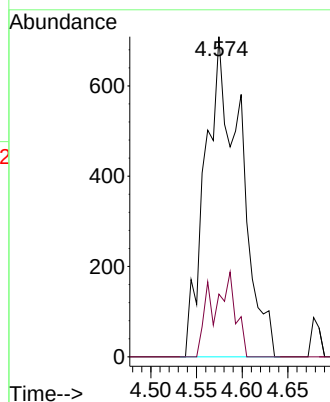
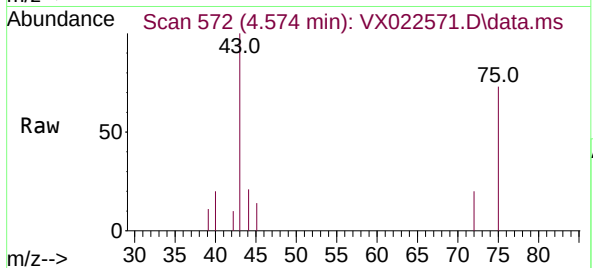
Acq: 08 Jun 2021 18:05

Tgt Ion: 43 Resp: 1910

Ion Ratio Lower Upper

43 100

72 19.6 23.7 35.5#



#29

Tetrahydrofuran

Concen: 0.560 ug/l

RT: 5.050 min Scan# 650

Delta R.T. 0.037 min

Lab File: VX022571.D

Acq: 08 Jun 2021 18:05

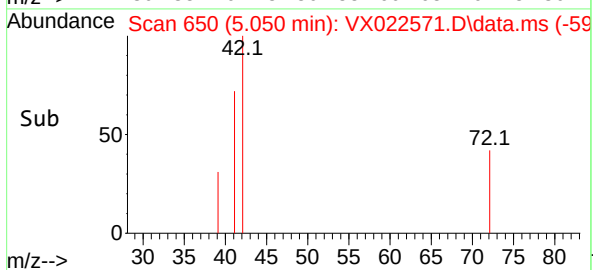
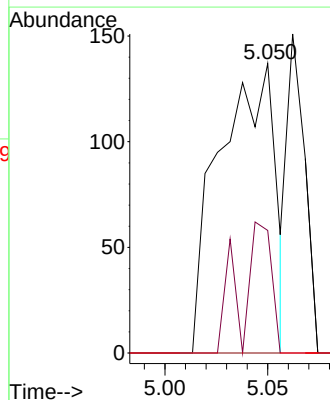
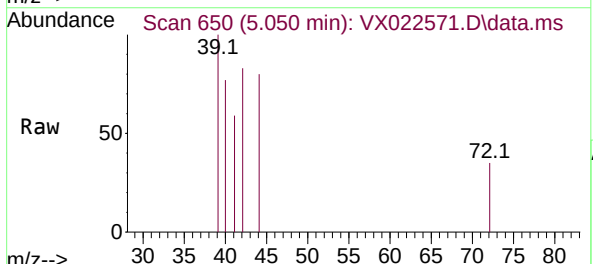
Tgt Ion: 42 Resp: 259

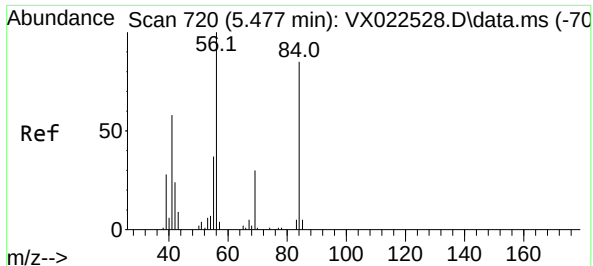
Ion Ratio Lower Upper

42 100

72 24.7 41.7 62.5#

71 0.0 38.4 57.6#

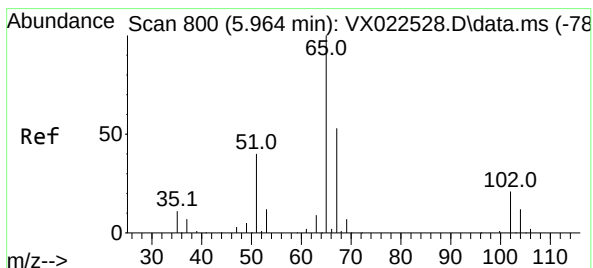
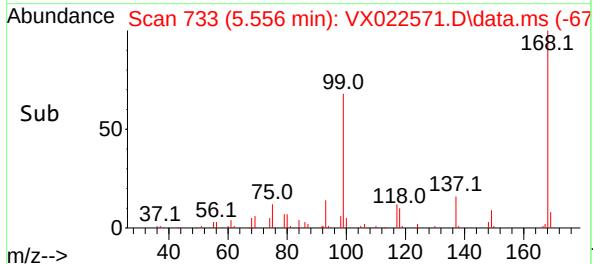
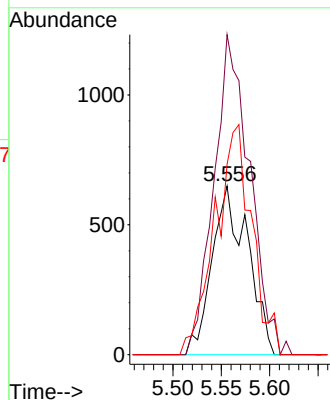
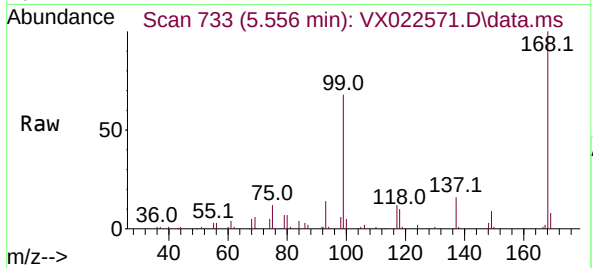




#31
Cyclohexane
Concen: 1.326 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX022571.D
Acq: 08 Jun 2021 18:05

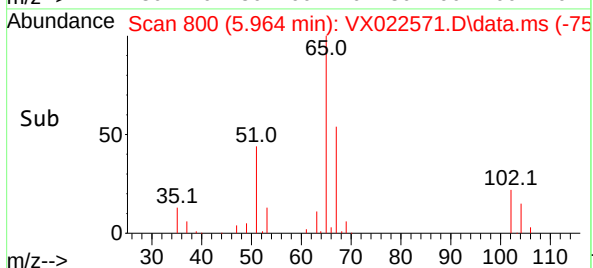
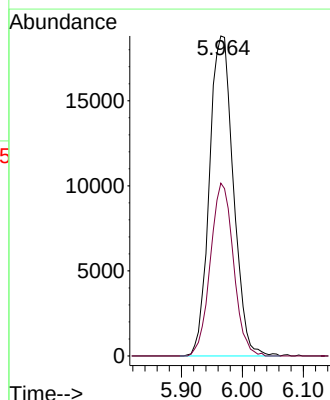
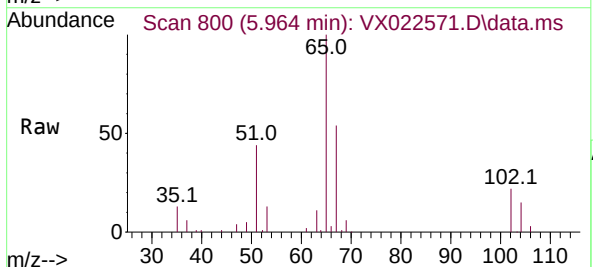
Instrument :
MSVOA_X
ClientSampleId :

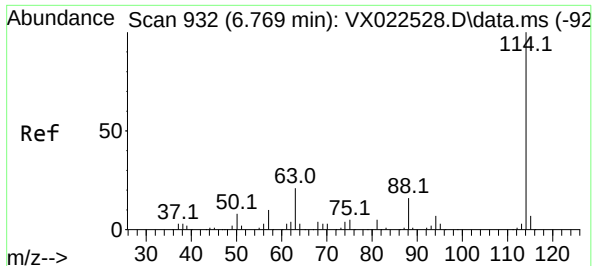
Tgt Ion: 56 Resp: 1665
Ion Ratio Lower Upper
56 100
69 189.8 25.3 37.9#
84 112.9 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 48.456 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX022571.D
Acq: 08 Jun 2021 18:05

Tgt Ion: 65 Resp: 51429
Ion Ratio Lower Upper
65 100
67 52.0 0.0 105.4

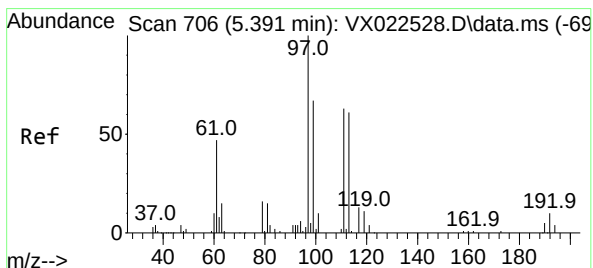
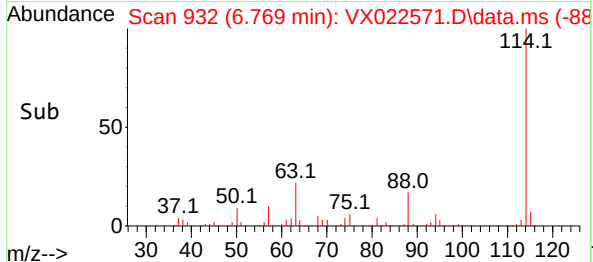
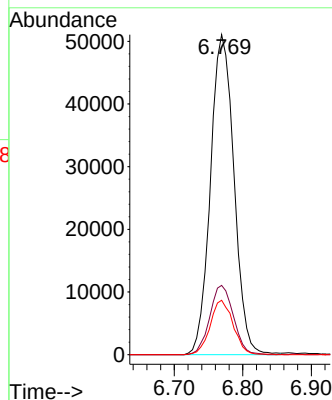
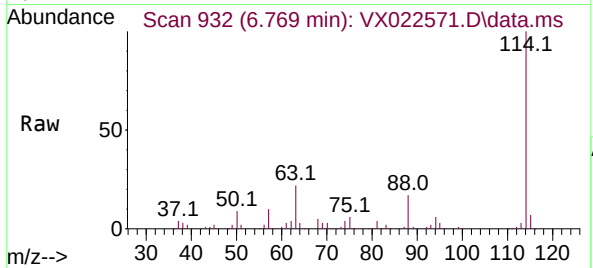




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX022571.D
Acq: 08 Jun 2021 18:05

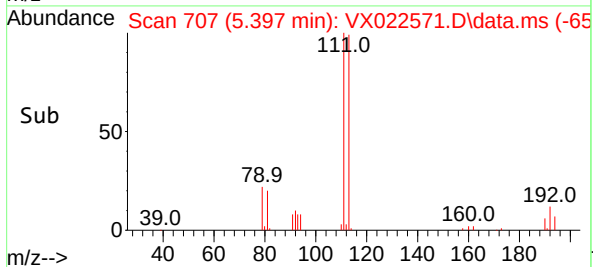
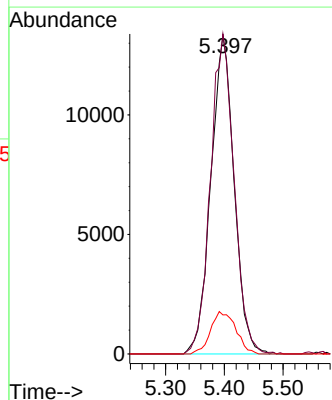
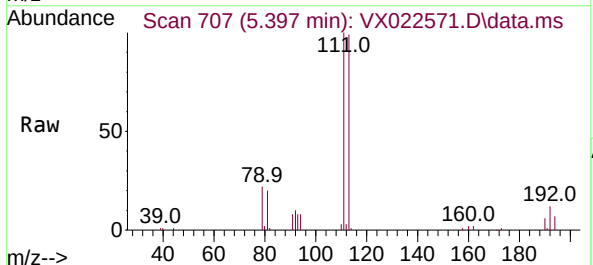
Instrument :
MSVOA_X
ClientSampleId :

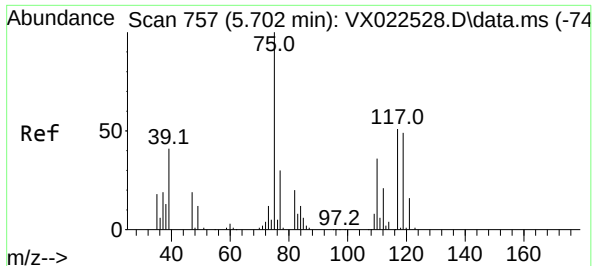
Tgt Ion:114 Resp: 122065
Ion Ratio Lower Upper
114 100
63 21.6 0.0 40.8
88 17.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 47.891 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX022571.D
Acq: 08 Jun 2021 18:05

Tgt Ion:113 Resp: 36575
Ion Ratio Lower Upper
113 100
111 102.1 81.9 122.9
192 14.5 16.7 25.1#





#36

1,1-Dichloropropene

Concen: 5.191 ug/l

RT: 5.562 min Scan# 734

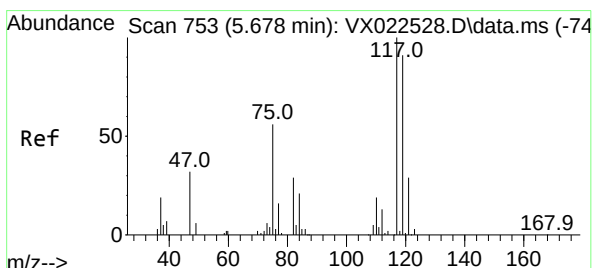
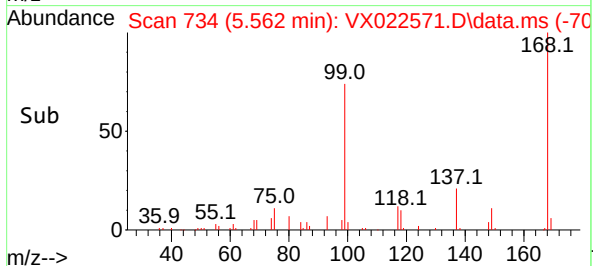
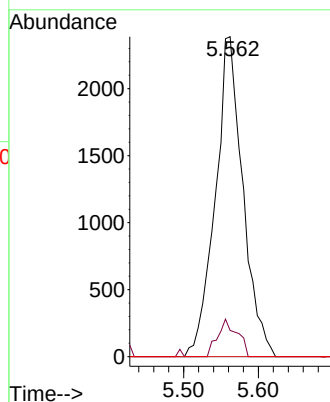
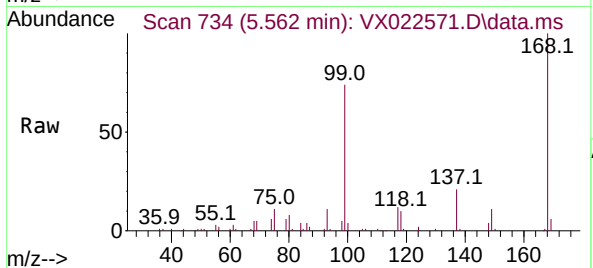
Delta R.T. -0.140 min

Lab File: VX022571.D

Acq: 08 Jun 2021 18:05

Tgt Ion:	75	Resp:	6130
Ion	Ratio	Lower	Upper
75	100		
110	8.4	18.1	54.4#
77	0.0	25.3	37.9#

Instrument :
MSVOA_X
ClientSampled :



#38

Carbon Tetrachloride

Concen: 8.351 ug/l

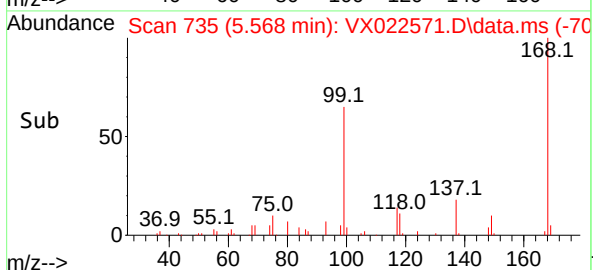
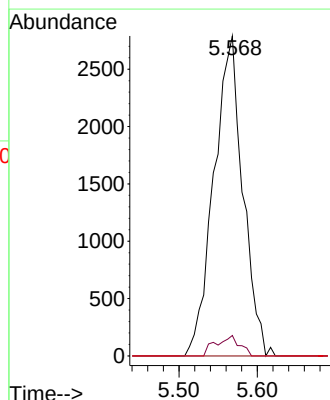
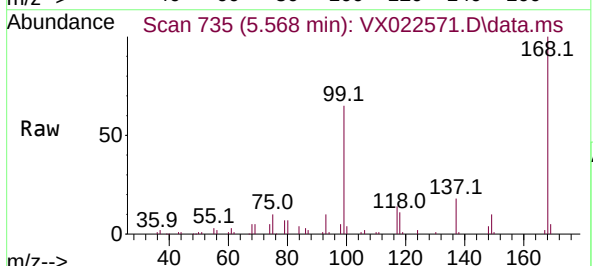
RT: 5.568 min Scan# 735

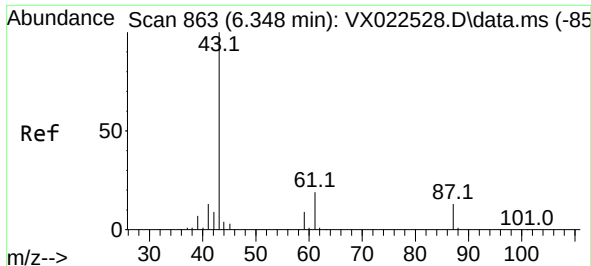
Delta R.T. -0.110 min

Lab File: VX022571.D

Acq: 08 Jun 2021 18:05

Tgt Ion:	117	Resp:	7178
Ion	Ratio	Lower	Upper
117	100		
119	6.4	76.2	114.2#
121	0.0	24.8	37.2#

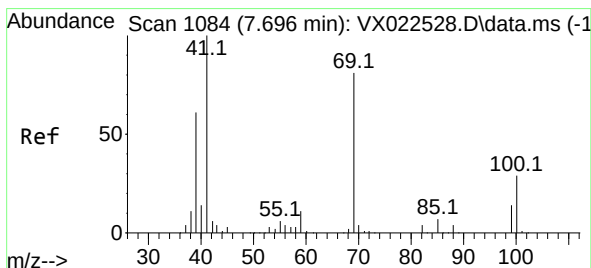
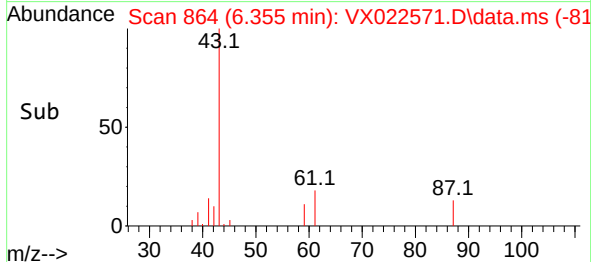
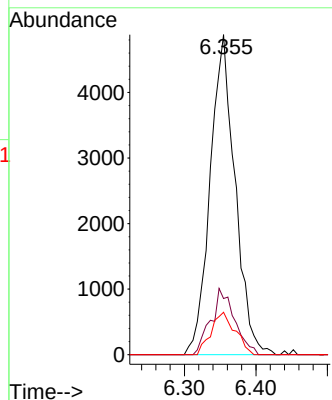
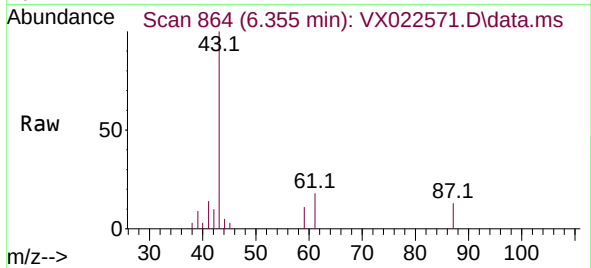




#43
Isopropyl Acetate
Concen: 4.807 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.007 min
Lab File: VX022571.D
Acq: 08 Jun 2021 18:05

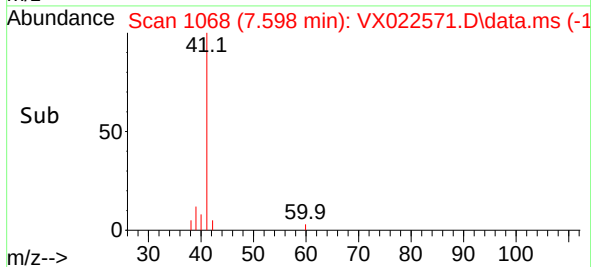
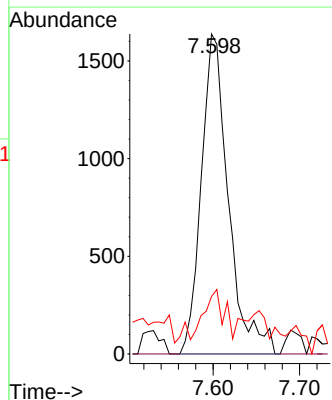
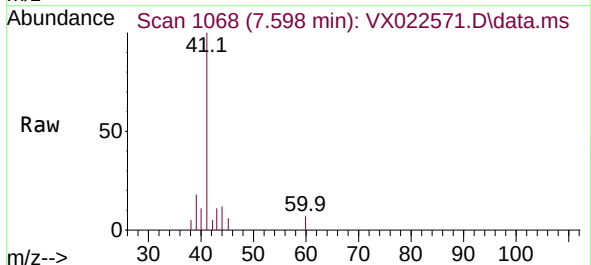
Instrument :
MSVOA_X
ClientSampleId :

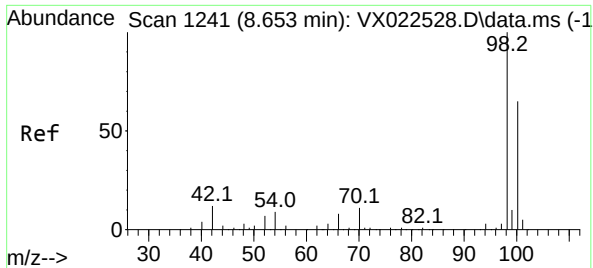
Tgt Ion: 43 Resp: 11811
Ion Ratio Lower Upper
43 100
61 19.7 18.2 27.4
87 12.8 12.5 18.7



#48
Methyl methacrylate
Concen: 3.113 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX022571.D
Acq: 08 Jun 2021 18:05

Tgt Ion: 41 Resp: 3559
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#

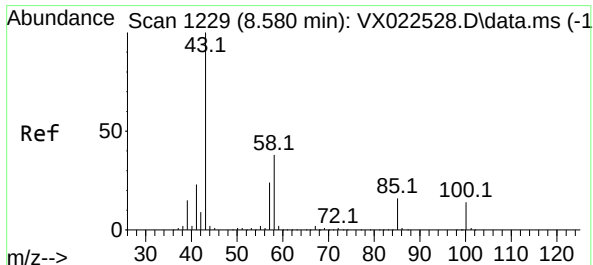
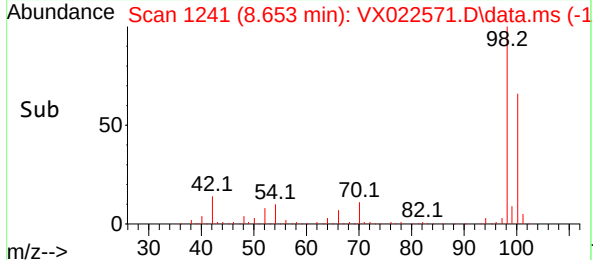
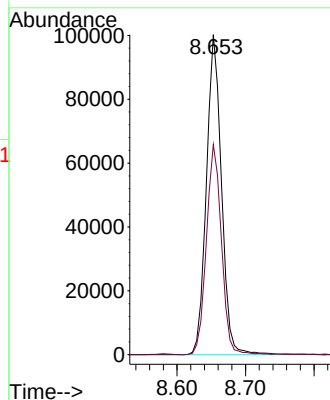
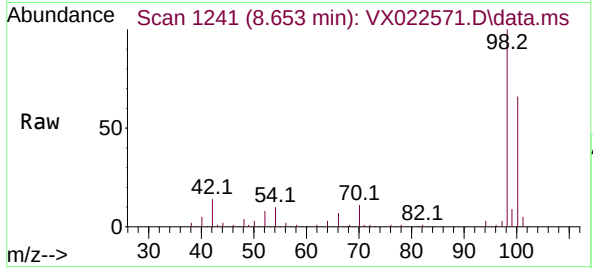




#50
Toluene-d8
Concen: 50.421 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022571.D
Acq: 08 Jun 2021 18:05

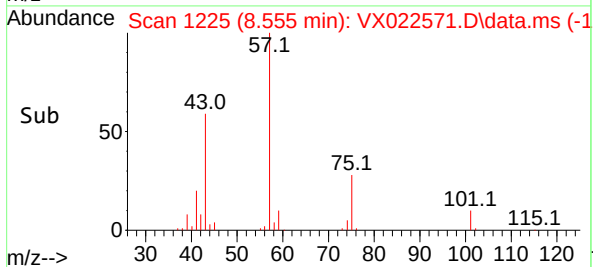
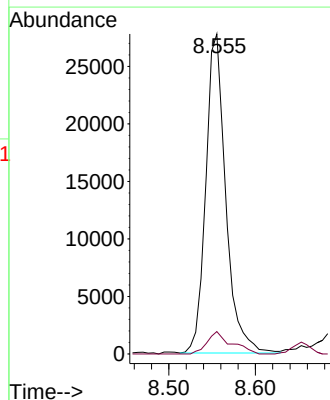
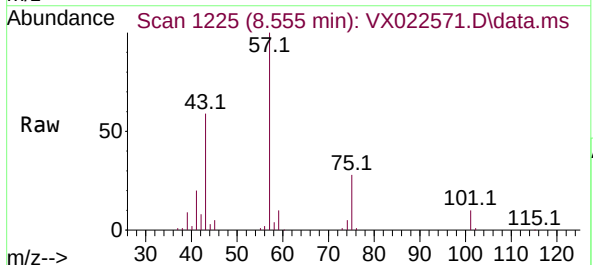
Instrument :
MSVOA_X
ClientSampled :

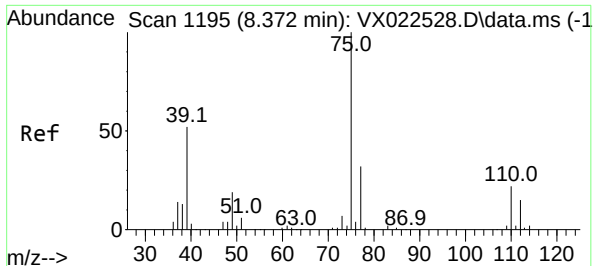
Tgt Ion: 98 Resp: 153648
Ion Ratio Lower Upper
98 100
100 65.8 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 29.050 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX022571.D
Acq: 08 Jun 2021 18:05

Tgt Ion: 43 Resp: 44465
Ion Ratio Lower Upper
43 100
58 8.5 35.4 53.0#

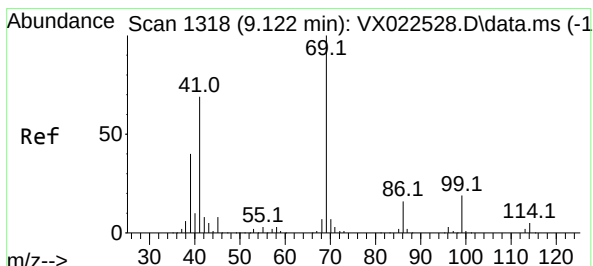
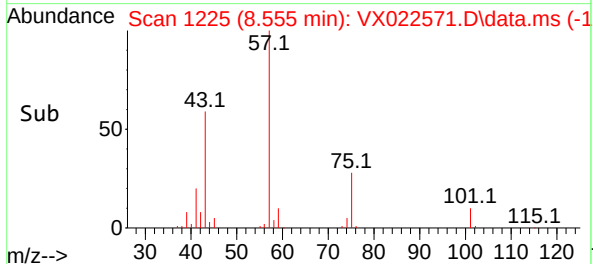
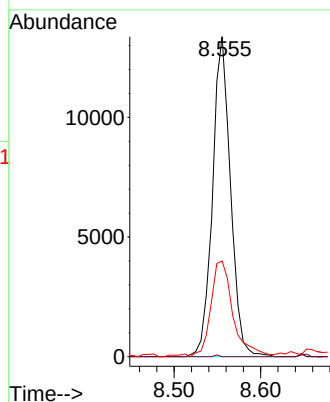
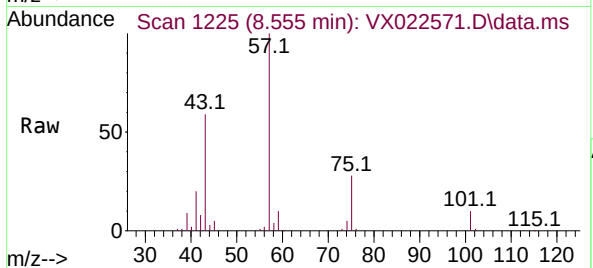




#54
cis-1,3-Dichloropropene
Concen: 13.946 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX022571.D
Acq: 08 Jun 2021 18:05

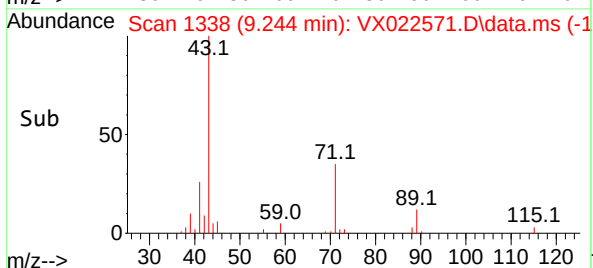
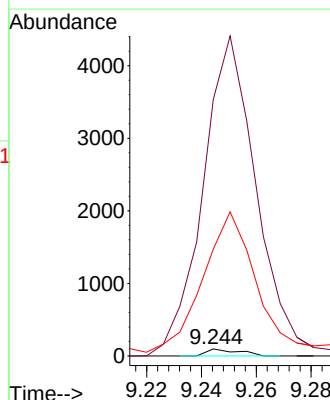
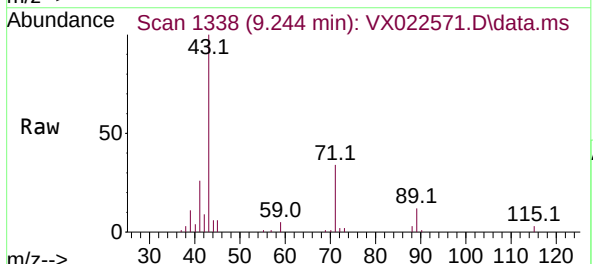
Instrument :
MSVOA_X
ClientSampleId :

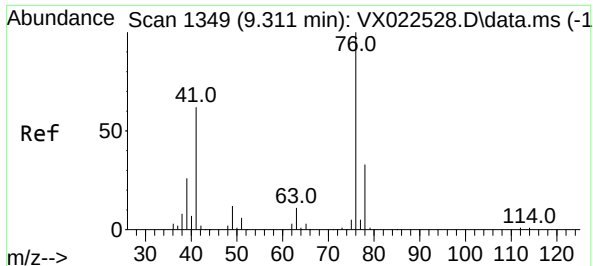
Tgt Ion: 75 Resp: 19295
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 29.4 35.1 52.7#



#56
Ethyl methacrylate
Concen: 2.747 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.122 min
Lab File: VX022571.D
Acq: 08 Jun 2021 18:05

Tgt Ion: 69 Resp: 80
Ion Ratio Lower Upper
69 100
41 7512.5 46.8 70.2#
39 3597.5 24.7 37.1#



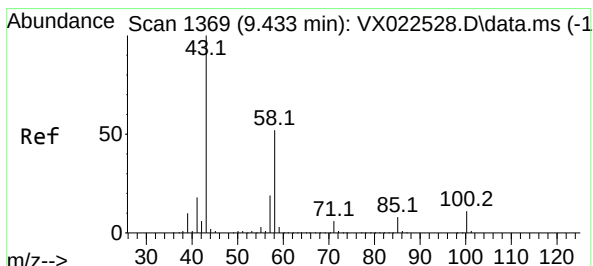
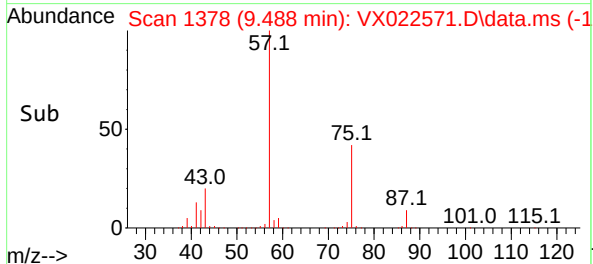
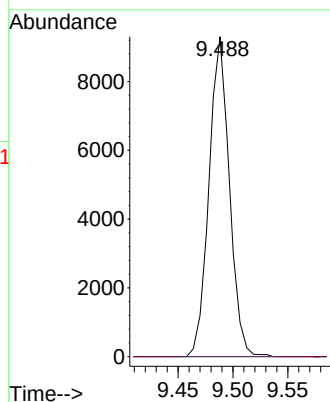
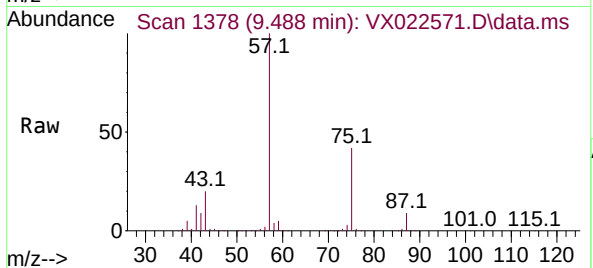


#57

1,3-Dichloropropane
Concen: 7.468 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX022571.D
Acq: 08 Jun 2021 18:05

Instrument :
MSVOA_X
ClientSampled :

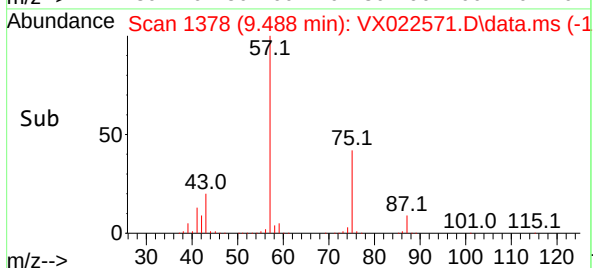
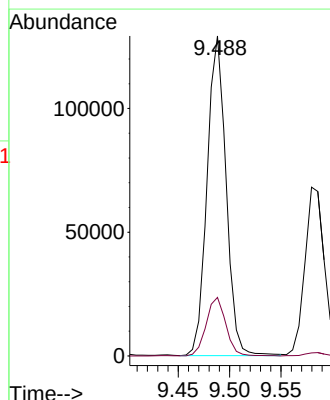
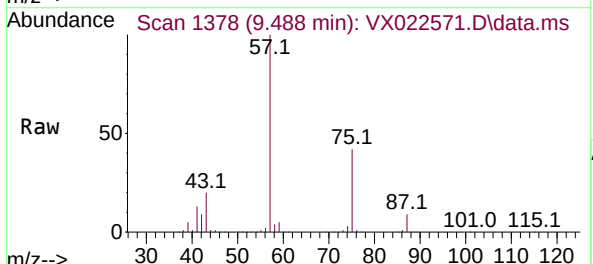
Tgt Ion: 76 Resp: 12039
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

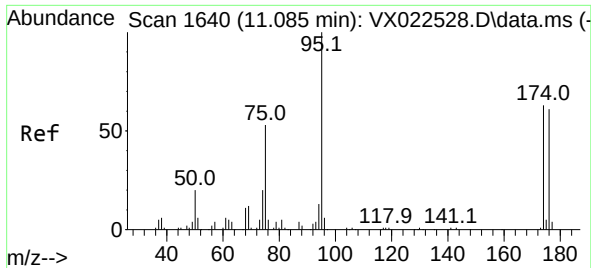


#59

2-Hexanone
Concen: 142.027 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX022571.D
Acq: 08 Jun 2021 18:05

Tgt Ion: 43 Resp: 166073
Ion Ratio Lower Upper
43 100
58 19.0 30.9 92.8#

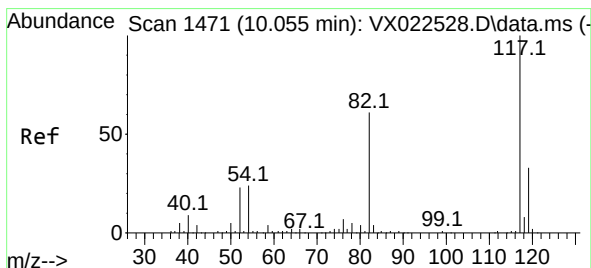
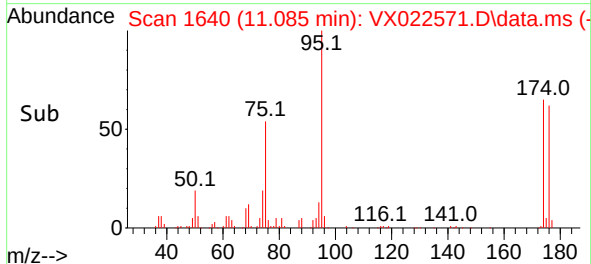
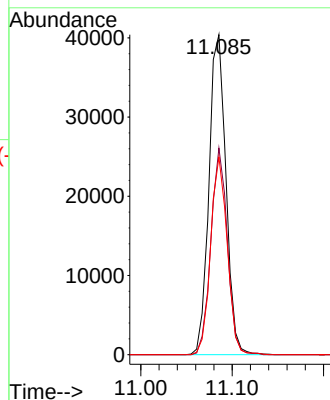
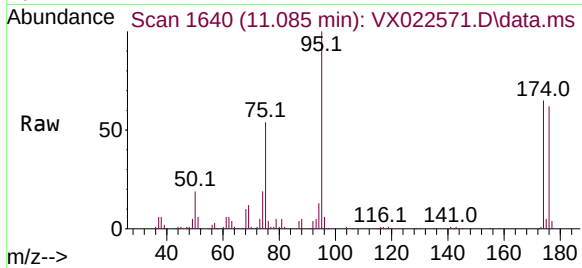




#62
4-Bromofluorobenzene
Concen: 45.933 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022571.D
Acq: 08 Jun 2021 18:05

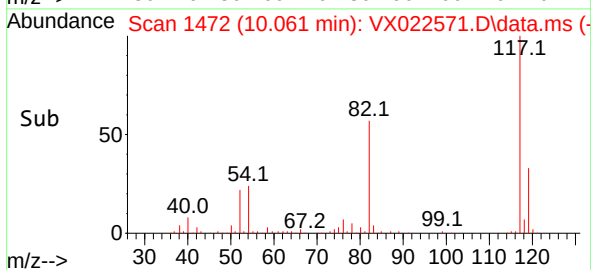
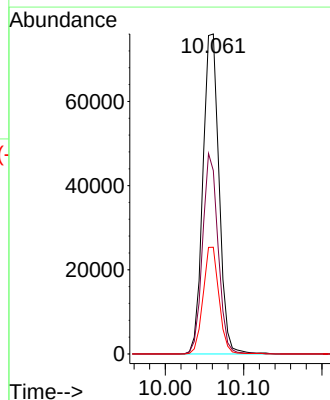
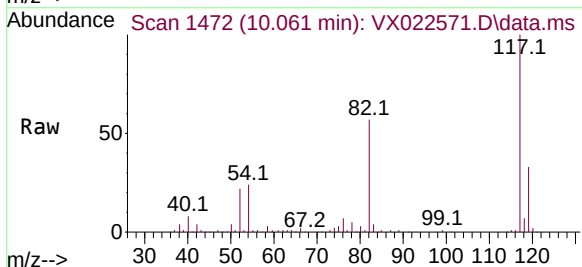
Instrument :
MSVOA_X
ClientSampleId :

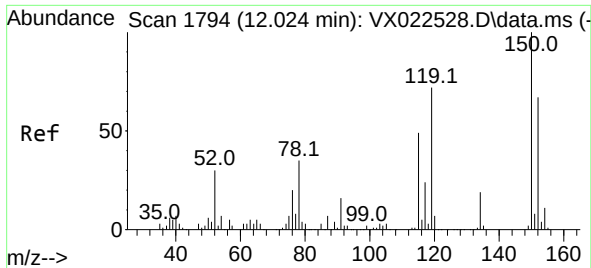
Tgt Ion: 95	Resp: 52027
Ion Ratio	Lower Upper
95 100	
174 62.4	0.0 154.6
176 60.3	0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX022571.D
Acq: 08 Jun 2021 18:05

Tgt Ion: 117	Resp: 108592
Ion Ratio	Lower Upper
117 100	
82 57.3	47.4 71.2
119 33.4	26.6 39.8

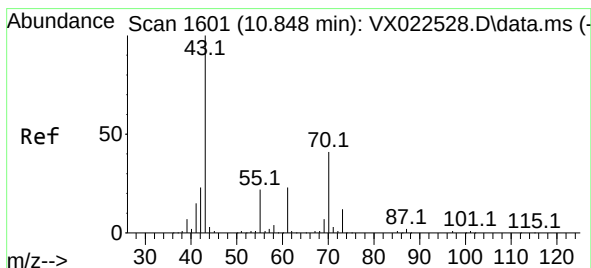
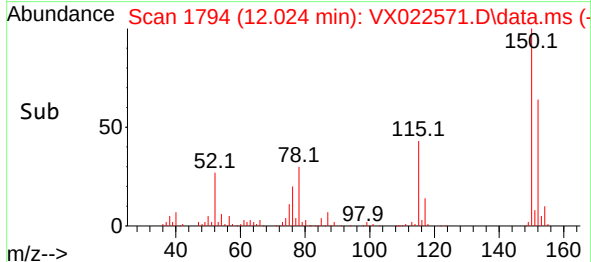
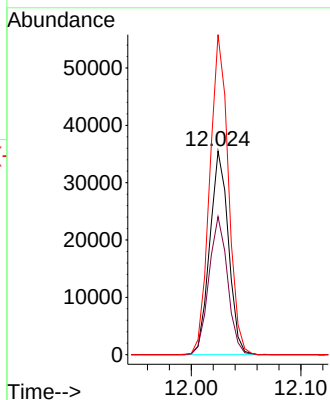
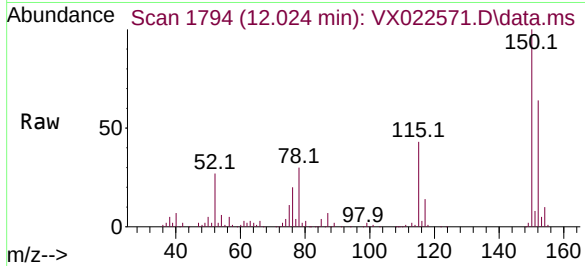




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022571.D
Acq: 08 Jun 2021 18:05

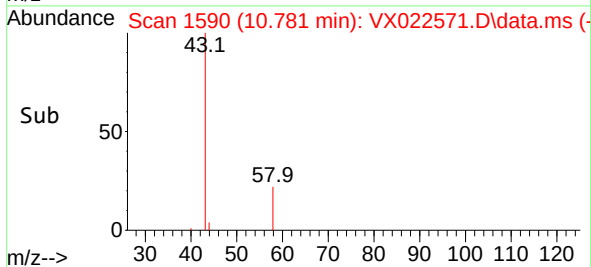
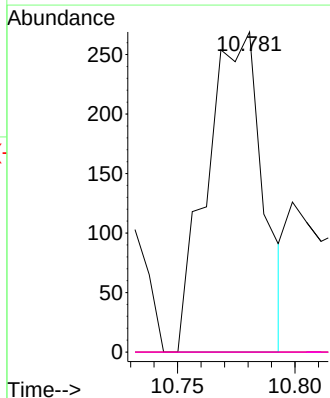
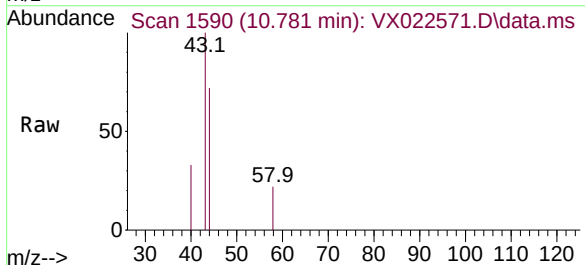
Instrument :
MSVOA_X
ClientSampled :

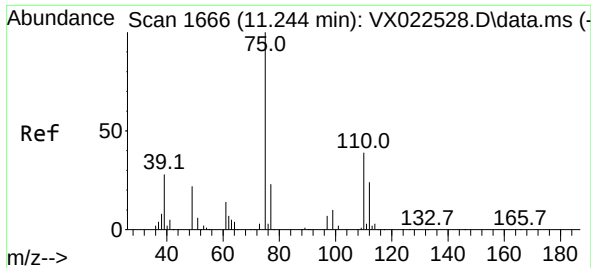
Tgt Ion:152 Resp: 41909
Ion Ratio Lower Upper
152 100
115 68.1 41.1 123.3
150 157.2 0.0 349.0



#74
N-ethyl acetate
Concen: 0.242 ug/l
RT: 10.781 min Scan# 1590
Delta R.T. -0.067 min
Lab File: VX022571.D
Acq: 08 Jun 2021 18:05

Tgt Ion: 43 Resp: 444
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 0.0 21.5 32.3#
61 0.0 22.1 33.1#

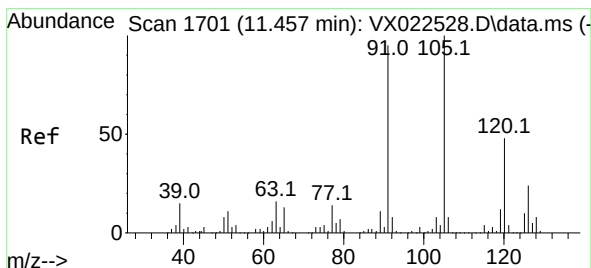
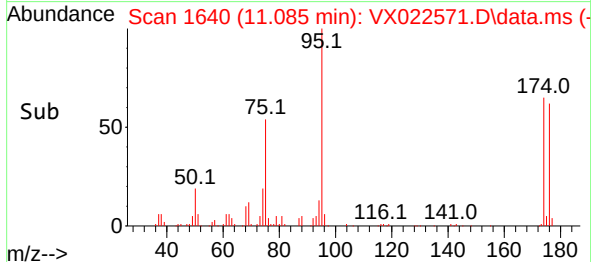
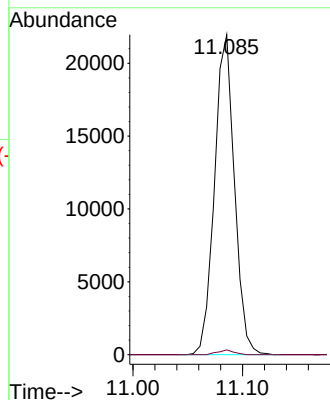
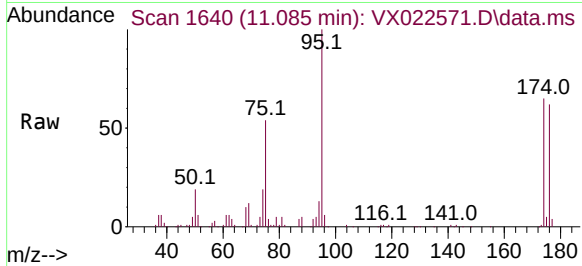




#76
1,2,3-Trichloropropane
Concen: 25.578 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022571.D
Acq: 08 Jun 2021 18:05

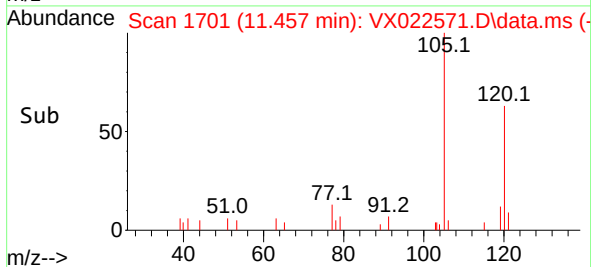
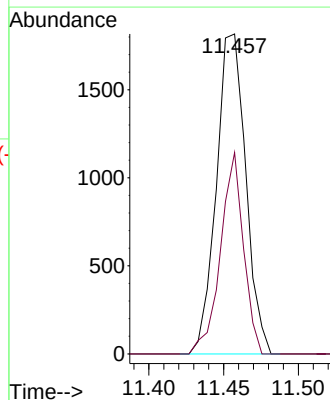
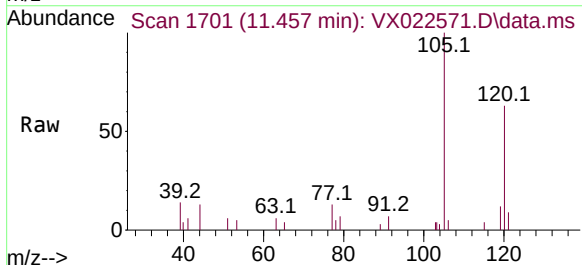
Instrument :
MSVOA_X
ClientSampled :

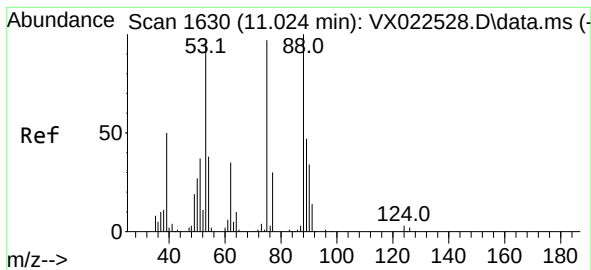
Tgt Ion: 75 Resp: 27770
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.852 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX022571.D
Acq: 08 Jun 2021 18:05

Tgt Ion: 105 Resp: 2486
Ion Ratio Lower Upper
105 100
120 49.1 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 63.162 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.061 min

Lab File: VX022571.D

Acq: 08 Jun 2021 18:05

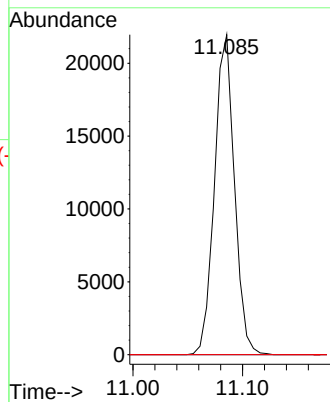
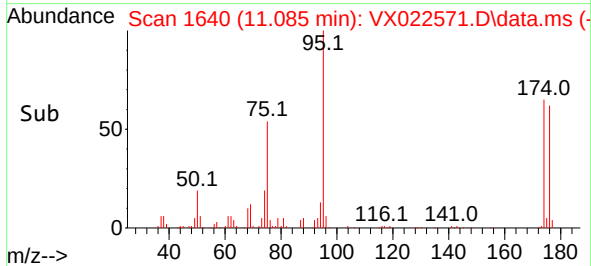
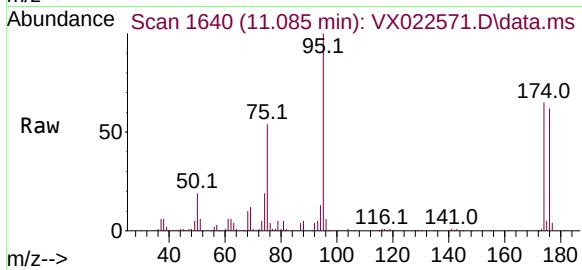
Tgt Ion: 75 Resp: 27770

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

89 0.0 37.9 56.9#



Instrument :
MSVOA_X
ClientSampleId :