

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060321\
 Data File : VX022398.D
 Acq On : 04 Jun 2021 04:09
 Operator : JC/MD
 Sample : PB36780ZHE#13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB36780ZHE#13

Quant Time: Jun 04 05:42:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 19 14:23:10 2021
 Response via : Initial Calibration

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

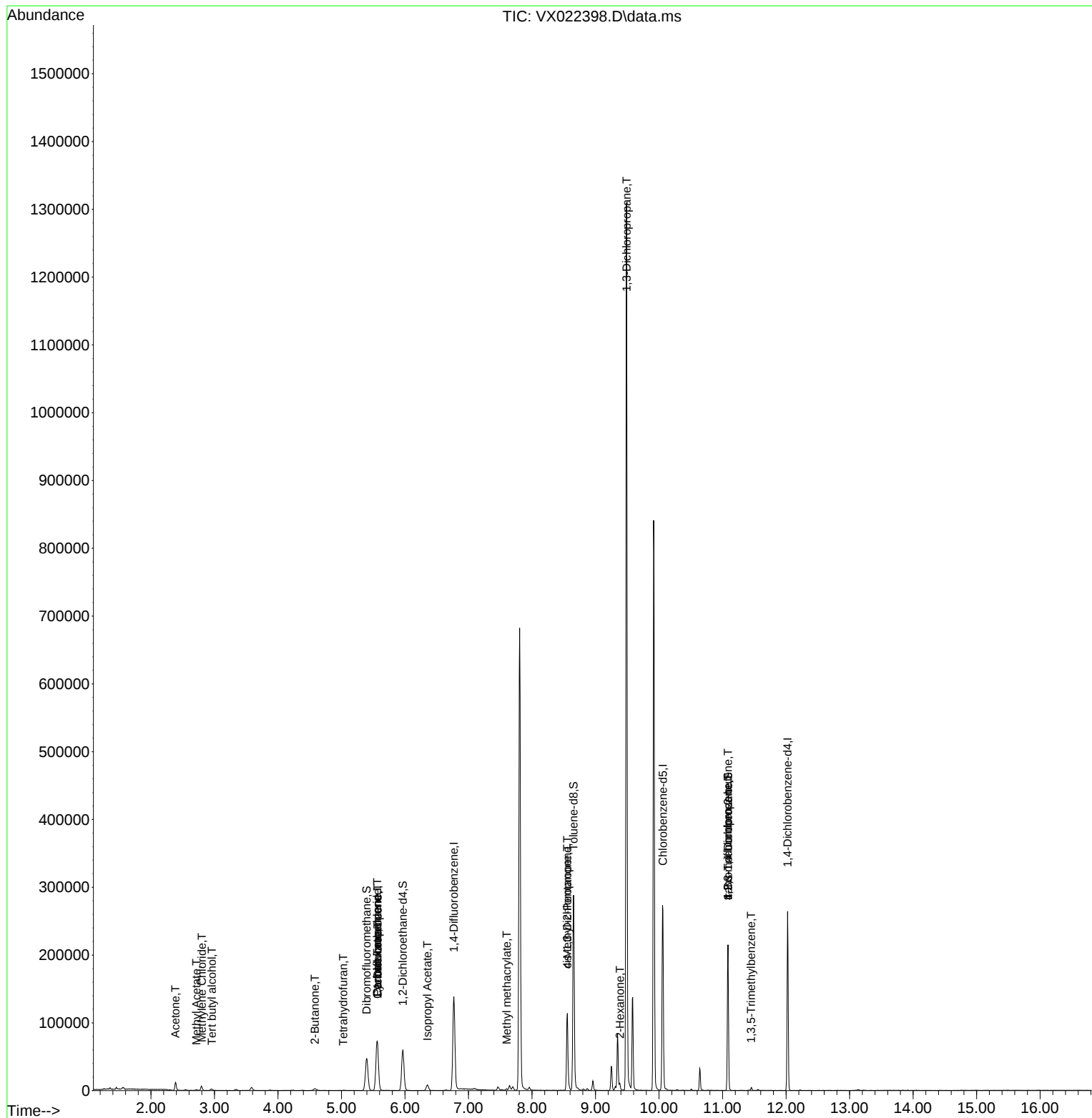
Internal Standards						
1) Pentafluorobenzene	5.562	168	63182	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	134259	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	121572	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	46214	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	55477	56.92	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	113.84%		
35) Dibromofluoromethane	5.397	113	41285	48.49	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.98%		
50) Toluene-d8	8.653	98	168640	51.42	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	102.84%		
62) 4-Bromofluorobenzene	11.085	95	58139	47.96	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.92%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.958	59	1581	7.09	ug/l	# 73
16) Acetone	2.385	43	12300	28.98	ug/l	98
18) Methyl Acetate	2.715	43	1401	1.24	ug/l	# 89
20) Methylene Chloride	2.800	84	2670	2.83	ug/l	# 91
25) 2-Butanone	4.580	43	3061	4.46	ug/l	# 81
29) Tetrahydrofuran	5.025	42	209	0.51	ug/l	# 41
31) Cyclohexane	5.568	56	1722	1.41	ug/l	# 14
36) 1,1-Dichloropropene	5.568	75	6458	5.20	ug/l	# 45
38) Carbon Tetrachloride	5.562	117	7340	6.04	ug/l	# 16
43) Isopropyl Acetate	6.354	43	11305	4.54	ug/l	# 94
48) Methyl methacrylate	7.604	41	3301	2.88	ug/l	# 10
51) 4-Methyl-2-Pentanone	8.555	43	41071	27.54	ug/l	# 46
54) cis-1,3-Dichloropropene	8.555	75	18738	11.41	ug/l	# 66
57) 1,3-Dichloropropane	9.488	76	10707	6.39	ug/l	# 42
59) 2-Hexanone	9.384	43	4746	4.23	ug/l	# 19
76) 1,2,3-Trichloropropane	11.085	75	30851	27.06	ug/l	# 39
80) 1,3,5-Trimethylbenzene	11.451	105	2166	0.67	ug/l	93
81) trans-1,4-Dichloro-2-b...	11.085	75	30851	64.11	ug/l	# 12

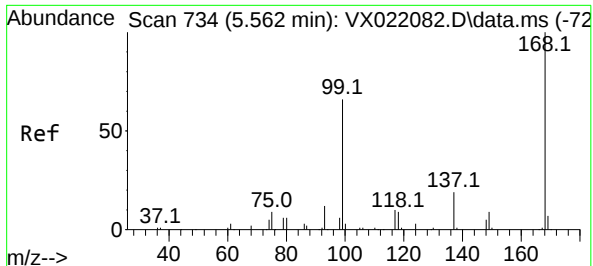
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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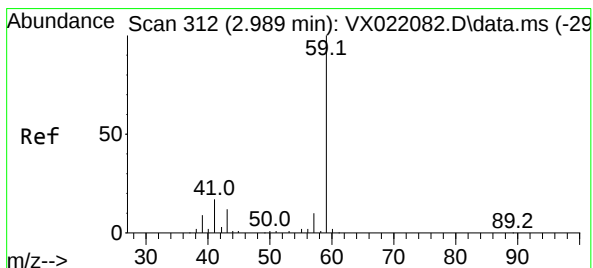
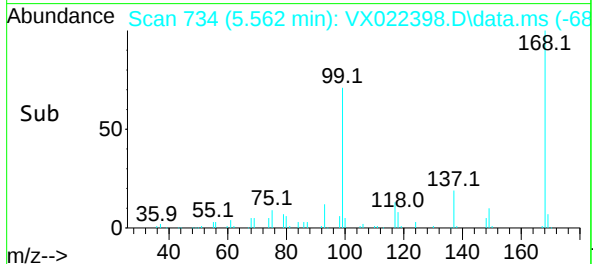
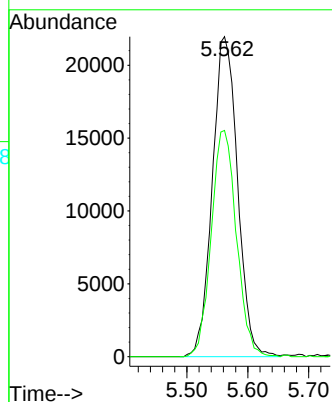
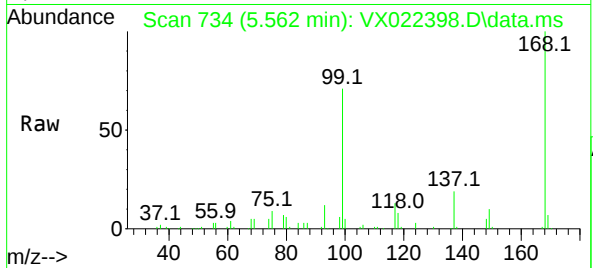




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX022398.D
Acq: 04 Jun 2021 04:09

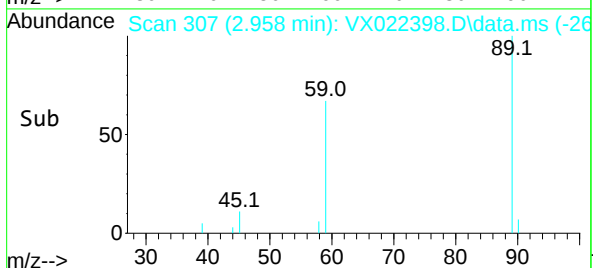
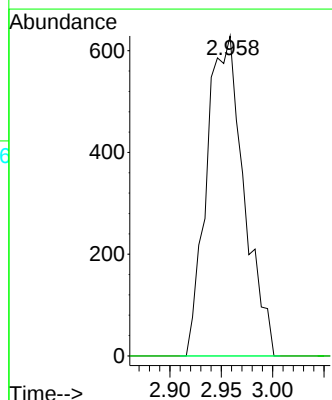
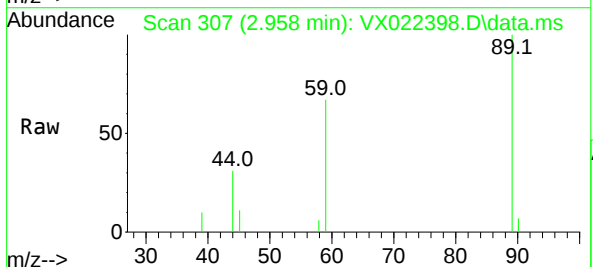
Instrument :
MSVOA_X
ClientSampleId :
PB36780ZHE#13

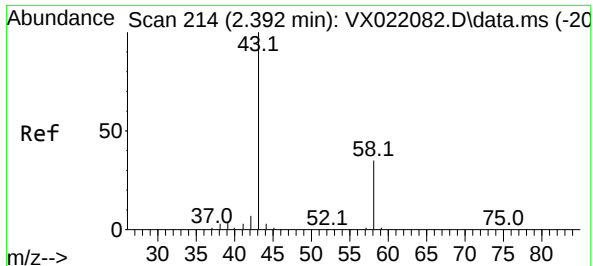
Tgt Ion:168 Resp: 63182
Ion Ratio Lower Upper
168 100
99 70.7 45.8 68.6#



#11
Tert butyl alcohol
Concen: 7.09 ug/l
RT: 2.958 min Scan# 307
Delta R.T. -0.031 min
Lab File: VX022398.D
Acq: 04 Jun 2021 04:09

Tgt Ion: 59 Resp: 1581
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

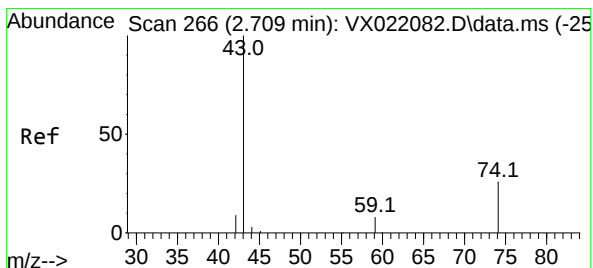
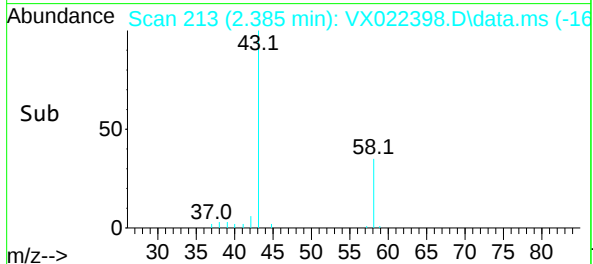
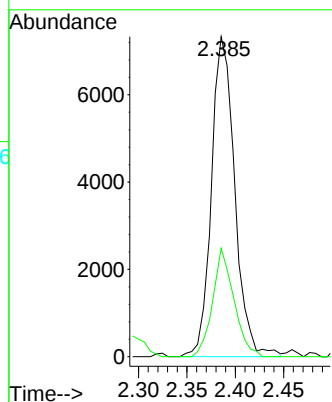
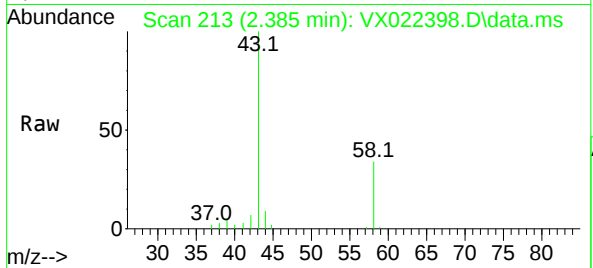




#16
Acetone
Concen: 28.98 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.007 min
Lab File: VX022398.D
Acq: 04 Jun 2021 04:09

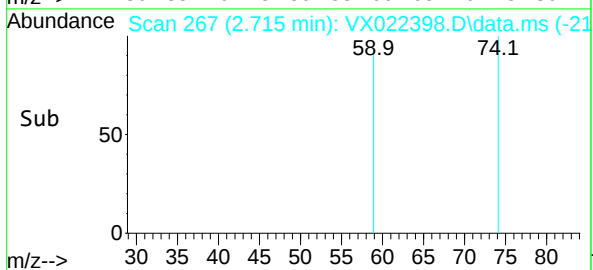
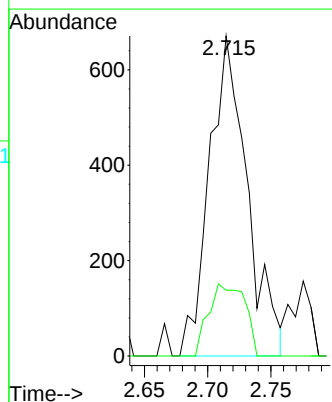
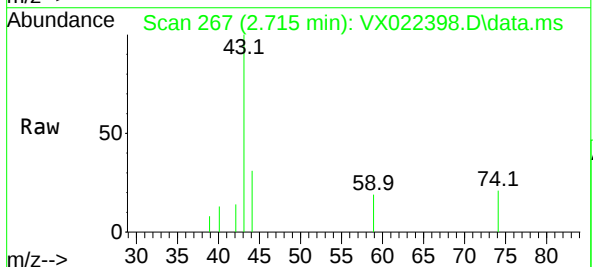
Instrument :
MSVOA_X
ClientSampleId :
PB36780ZHE#13

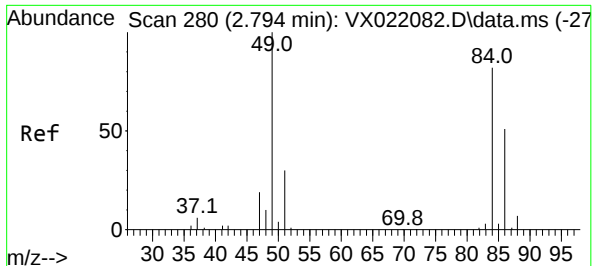
Tgt Ion: 43 Resp: 12300
Ion Ratio Lower Upper
43 100
58 33.9 27.8 41.8



#18
Methyl Acetate
Concen: 1.24 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX022398.D
Acq: 04 Jun 2021 04:09

Tgt Ion: 43 Resp: 1401
Ion Ratio Lower Upper
43 100
74 21.4 21.9 32.9#



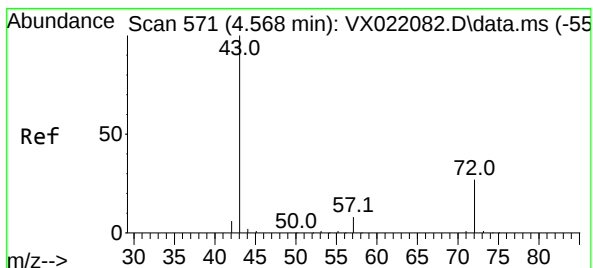
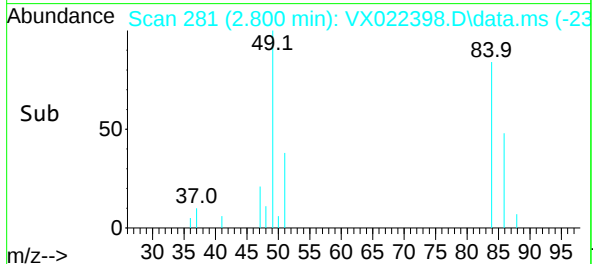
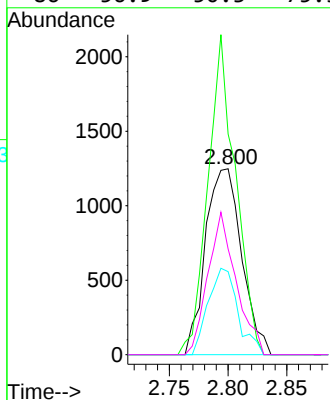
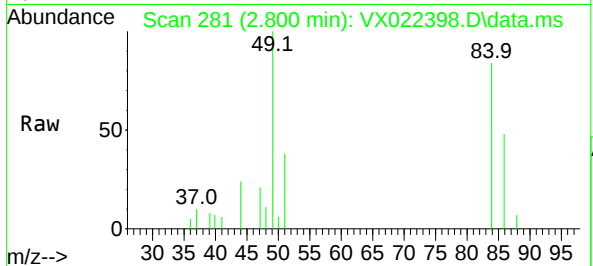


#20
Methylene Chloride
Concen: 2.83 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX022398.D
Acq: 04 Jun 2021 04:09

Instrument :
MSVOA_X
ClientSampleId :
PB36780ZHE#13

Tgt Ion: 84 Resp: 2670

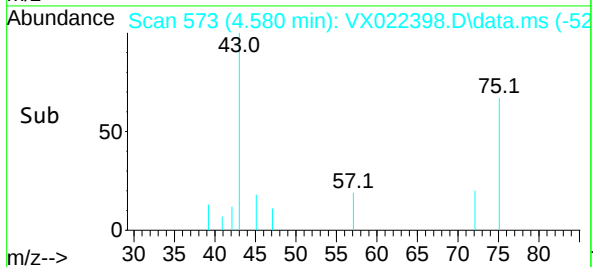
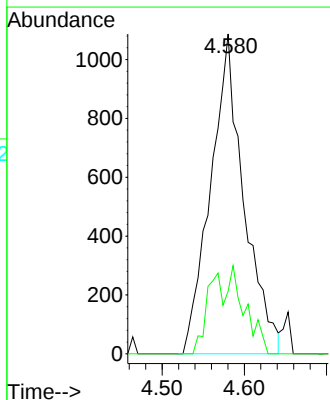
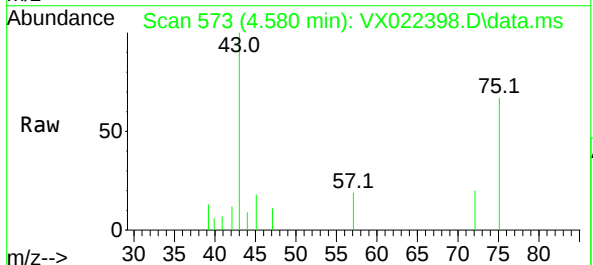
Ion	Ratio	Lower	Upper
84	100		
49	118.7	88.6	132.8
51	44.7	27.0	40.6#
86	56.9	50.3	75.5

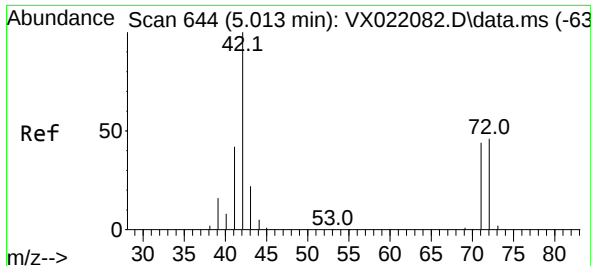


#25
2-Butanone
Concen: 4.46 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX022398.D
Acq: 04 Jun 2021 04:09

Tgt Ion: 43 Resp: 3061

Ion	Ratio	Lower	Upper
43	100		
72	19.6	23.7	35.5#





#29

Tetrahydrofuran

Concen: 0.51 ug/l

RT: 5.025 min Scan# 646

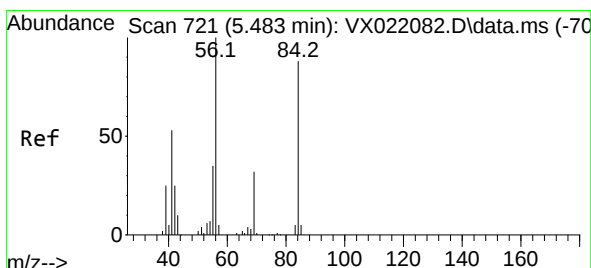
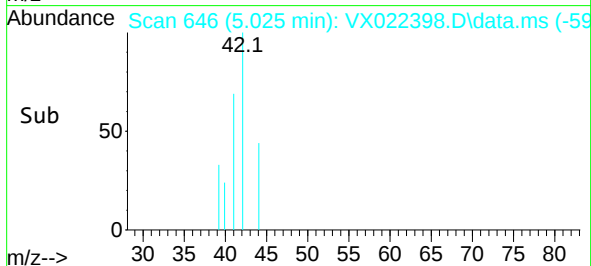
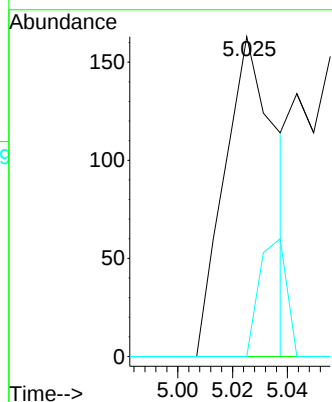
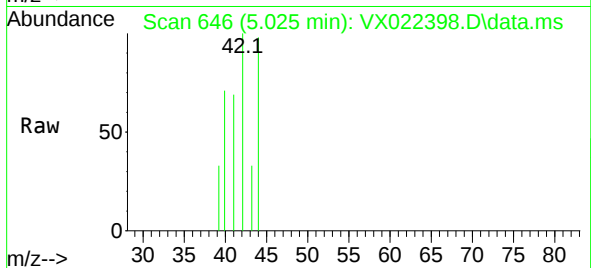
Delta R.T. 0.012 min

Lab File: VX022398.D

Acq: 04 Jun 2021 04:09

Tgt Ion:	42	Resp:	209
Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	19.6	38.4	57.6#

Instrument :
MSVOA_X
ClientSampleId :
PB36780ZHE#13



#31

Cyclohexane

Concen: 1.41 ug/l

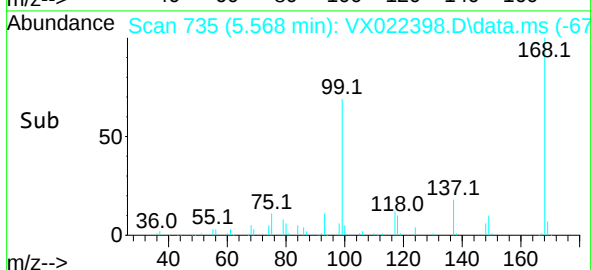
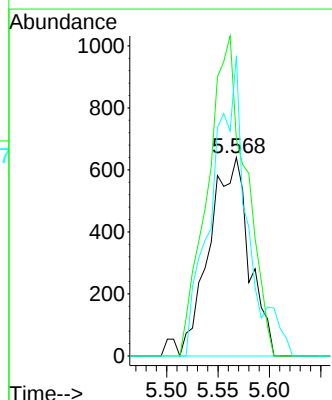
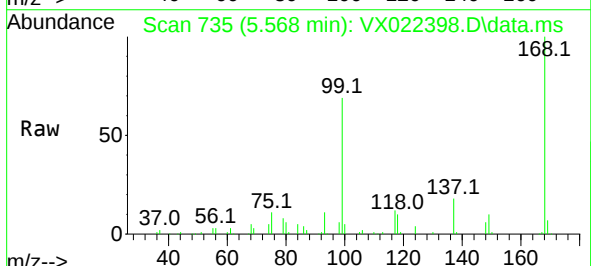
RT: 5.568 min Scan# 735

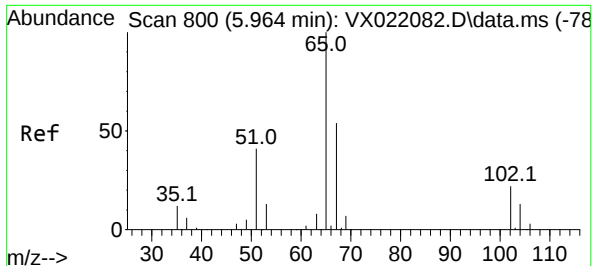
Delta R.T. 0.085 min

Lab File: VX022398.D

Acq: 04 Jun 2021 04:09

Tgt Ion:	56	Resp:	1722
Ion	Ratio	Lower	Upper
56	100		
69	109.2	25.3	37.9#
84	151.2	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 56.92 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX022398.D

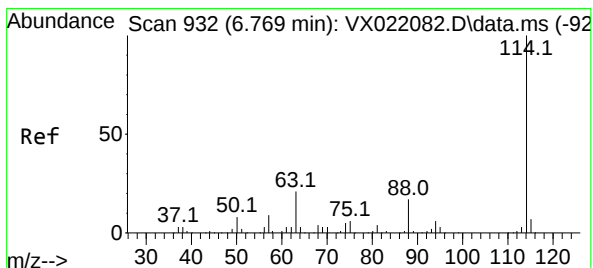
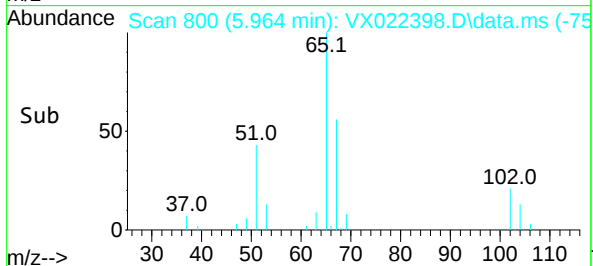
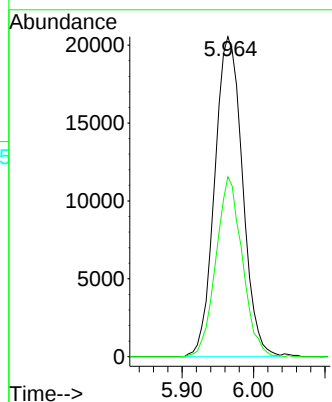
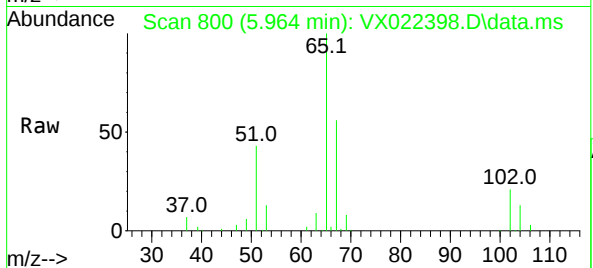
Acq: 04 Jun 2021 04:09

Tgt Ion: 65 Resp: 55477

Ion Ratio Lower Upper

65 100

67 53.3 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: VX022398.D

Acq: 04 Jun 2021 04:09

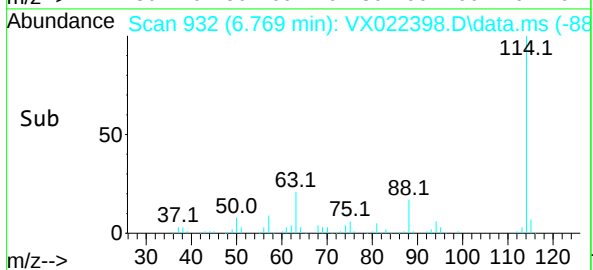
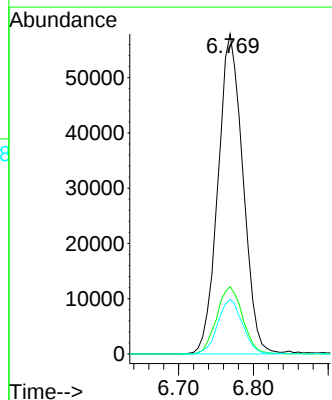
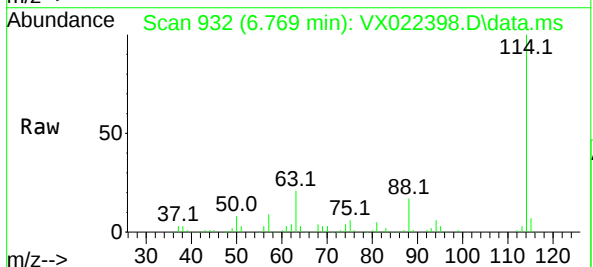
Tgt Ion: 114 Resp: 134259

Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.8

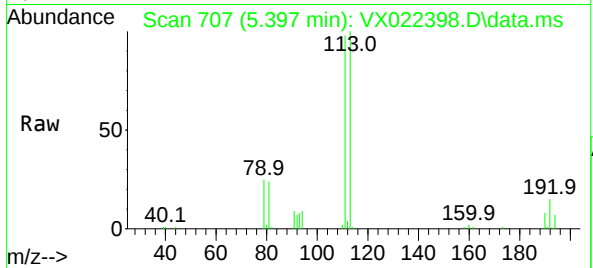
88 17.1 0.0 32.8



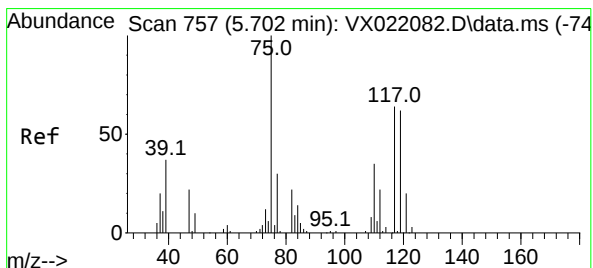
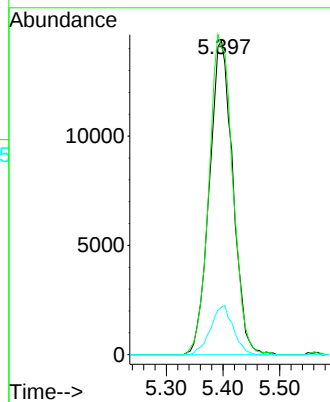
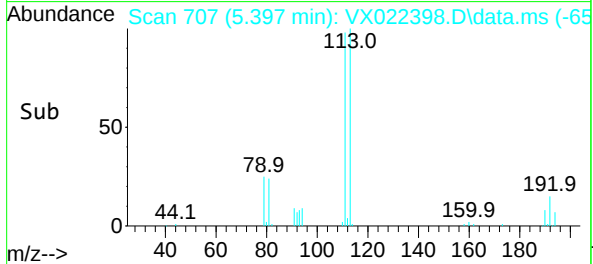


#35
Dibromofluoromethane
Concen: 48.49 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX022398.D
Acq: 04 Jun 2021 04:09

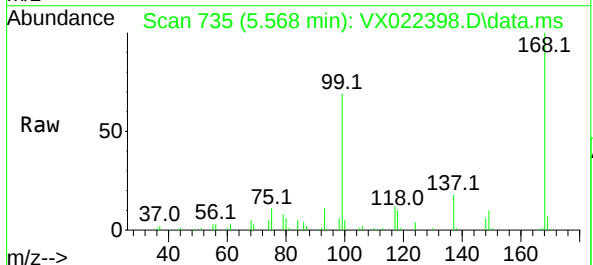
Instrument :
MSVOA_X
ClientSampleId :
PB36780ZHE#13



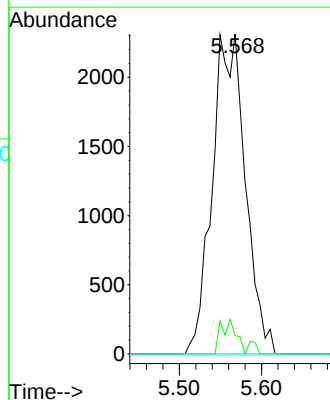
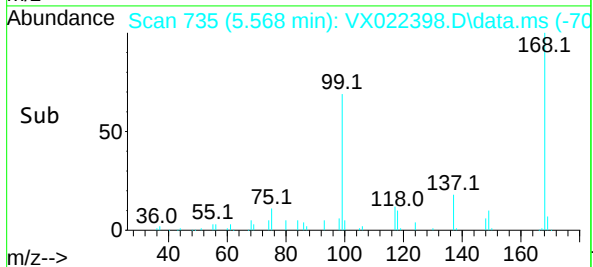
Tgt Ion:113 Resp: 41285
Ion Ratio Lower Upper
113 100
111 103.1 81.9 122.9
192 15.1 16.7 25.1#

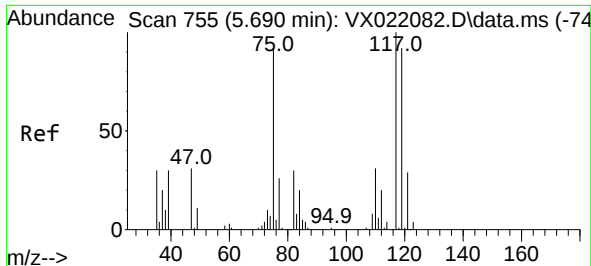


#36
1,1-Dichloropropene
Concen: 5.20 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.134 min
Lab File: VX022398.D
Acq: 04 Jun 2021 04:09



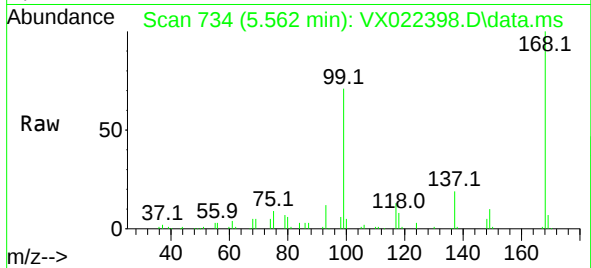
Tgt Ion: 75 Resp: 6458
Ion Ratio Lower Upper
75 100
110 5.0 18.1 54.4#
77 0.0 25.3 37.9#



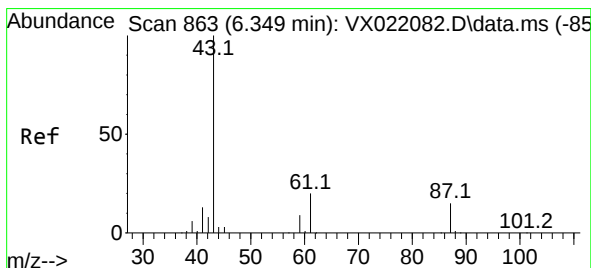
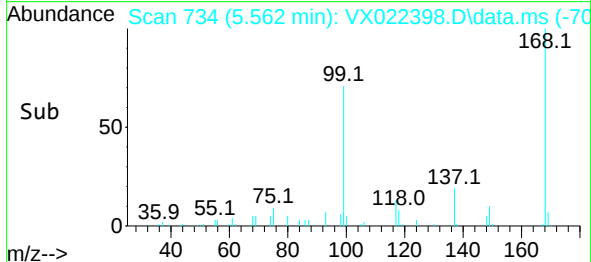
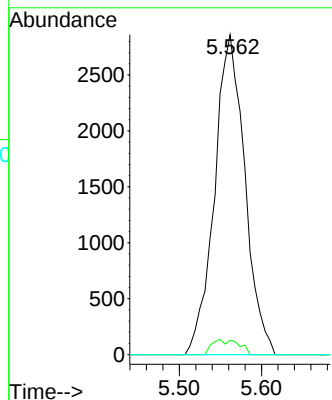


#38
Carbon Tetrachloride
Concen: 6.04 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX022398.D
Acq: 04 Jun 2021 04:09

Instrument :
MSVOA_X
ClientSampleId :
PB36780ZHE#13

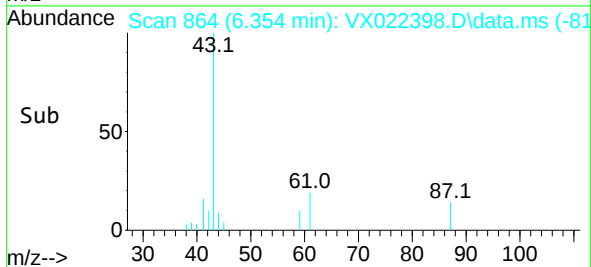
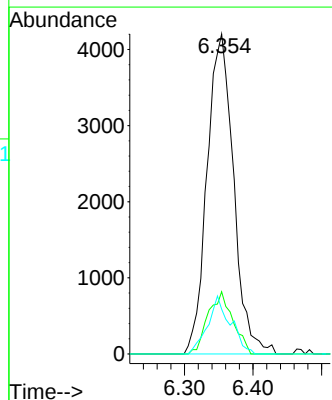
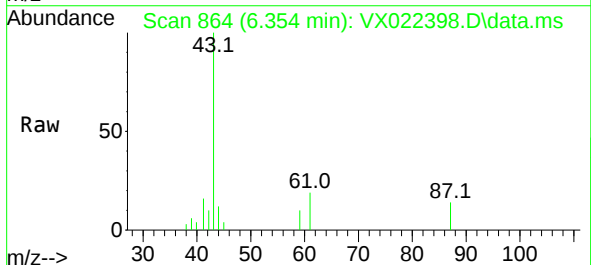


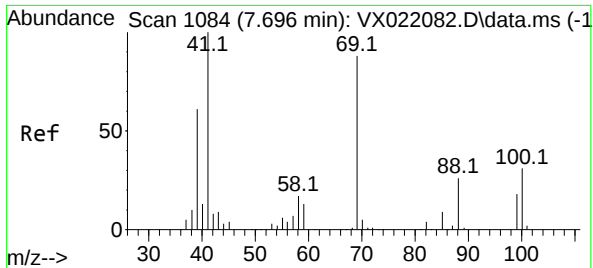
Tgt Ion:117 Resp: 7340
Ion Ratio Lower Upper
117 100
119 4.5 76.2 114.2#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 4.54 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.005 min
Lab File: VX022398.D
Acq: 04 Jun 2021 04:09

Tgt Ion: 43 Resp: 11305
Ion Ratio Lower Upper
43 100
61 18.2 18.2 27.4#
87 15.6 12.5 18.7

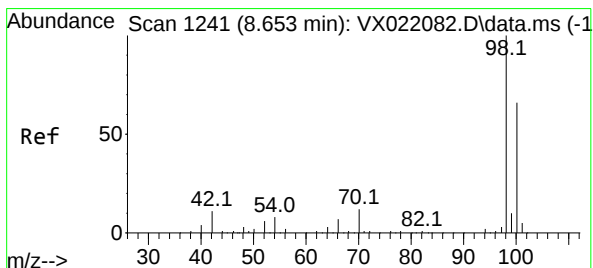
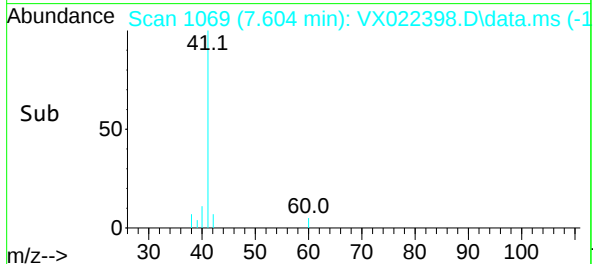
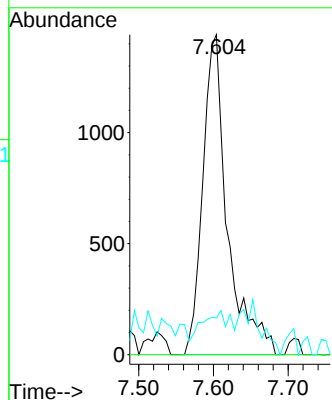
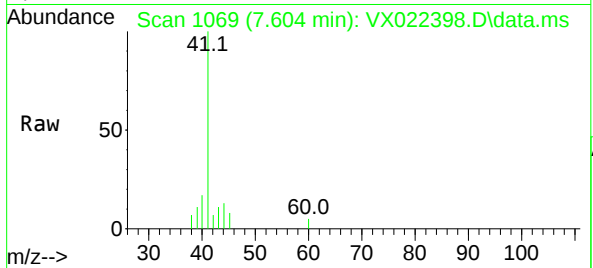




#48
Methyl methacrylate
Concen: 2.88 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX022398.D
Acq: 04 Jun 2021 04:09

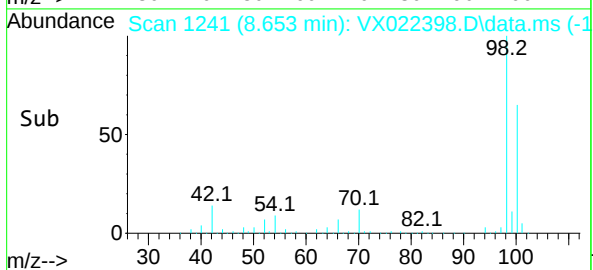
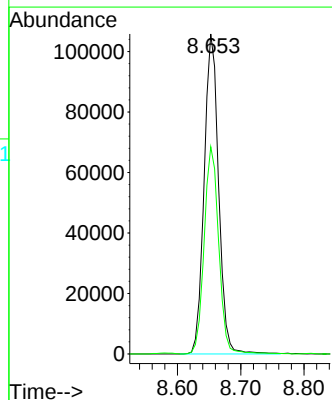
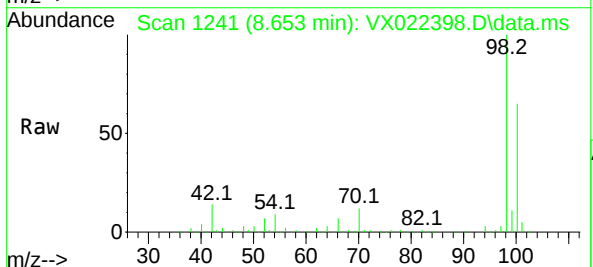
Instrument :
MSVOA_X
ClientSampleId :
PB36780ZHE#13

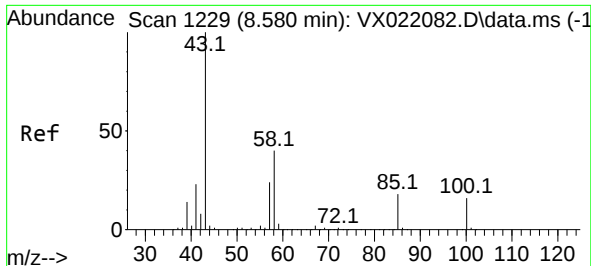
Tgt Ion: 41 Resp: 3301
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#50
Toluene-d8
Concen: 51.42 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022398.D
Acq: 04 Jun 2021 04:09

Tgt Ion: 98 Resp: 168640
Ion Ratio Lower Upper
98 100
100 65.2 51.9 77.9

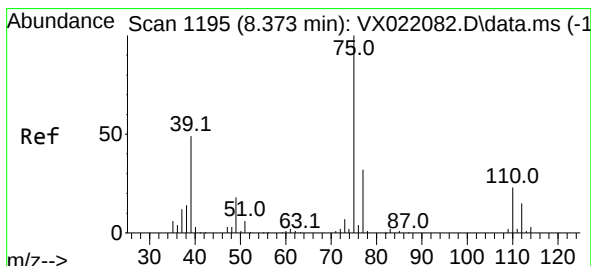
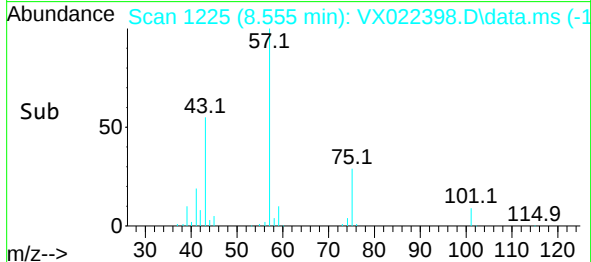
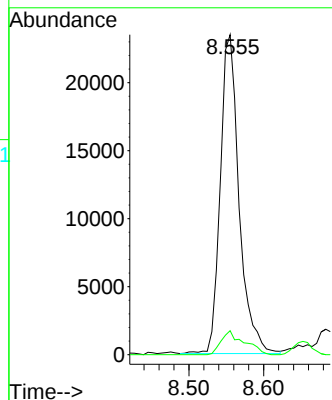
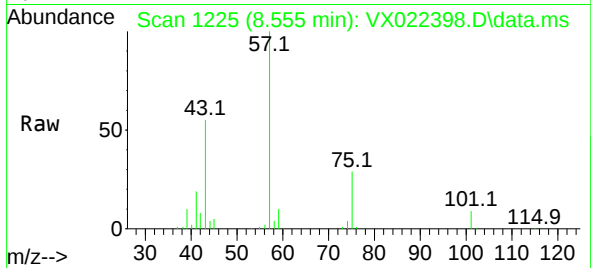




#51
4-Methyl-2-Pentanone
Concen: 27.54 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX022398.D
Acq: 04 Jun 2021 04:09

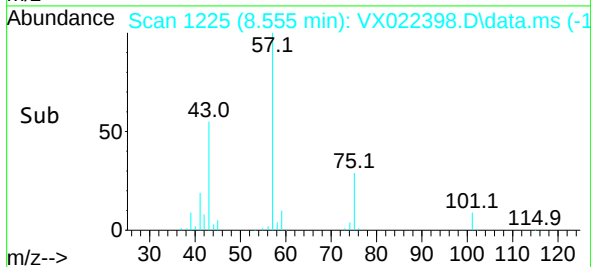
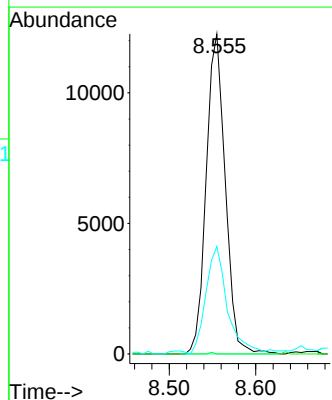
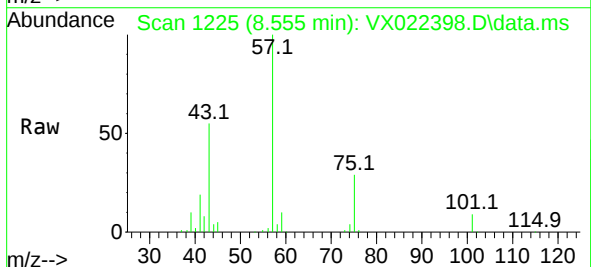
Instrument :
MSVOA_X
ClientSampleId :
PB36780ZHE#13

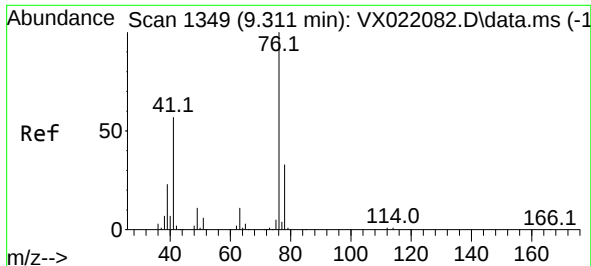
Tgt Ion: 43 Resp: 41071
Ion Ratio Lower Upper
43 100
58 9.2 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 11.41 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.182 min
Lab File: VX022398.D
Acq: 04 Jun 2021 04:09

Tgt Ion: 75 Resp: 18738
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 32.6 35.1 52.7#





#57

1,3-Dichloropropane

Concen: 6.39 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.177 min

Lab File: VX022398.D

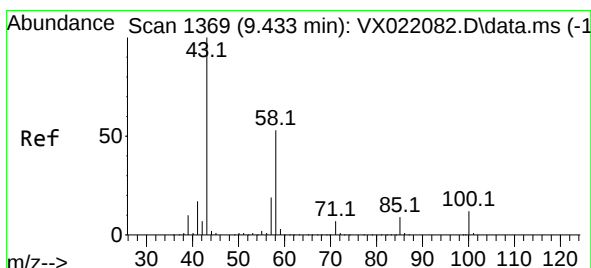
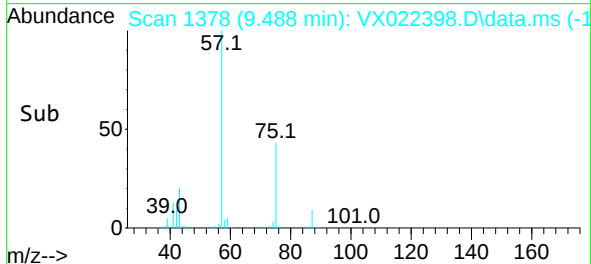
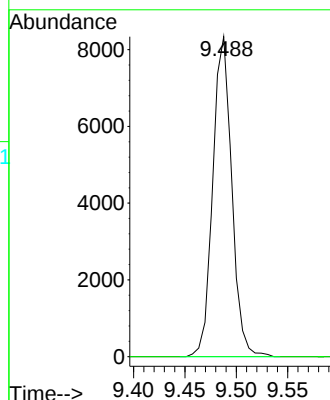
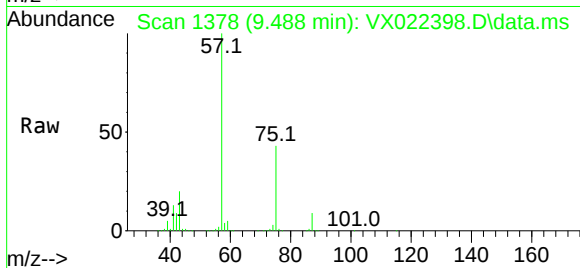
Acq: 04 Jun 2021 04:09

Tgt Ion: 76 Resp: 10707

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 4.23 ug/l

RT: 9.384 min Scan# 1361

Delta R.T. -0.049 min

Lab File: VX022398.D

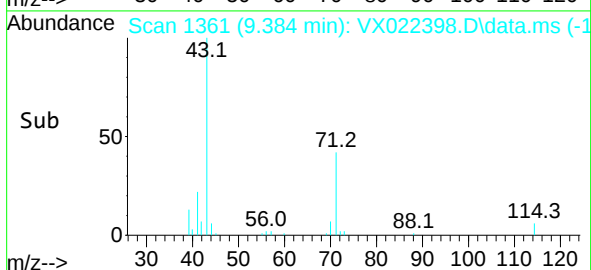
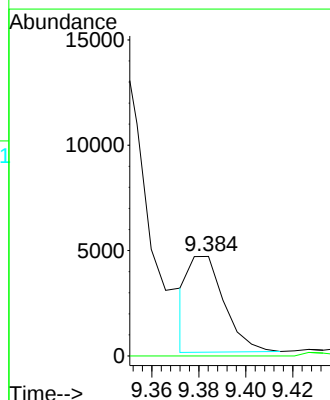
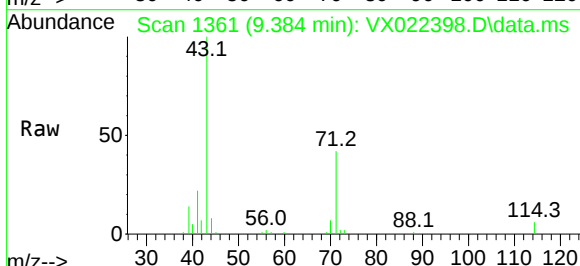
Acq: 04 Jun 2021 04:09

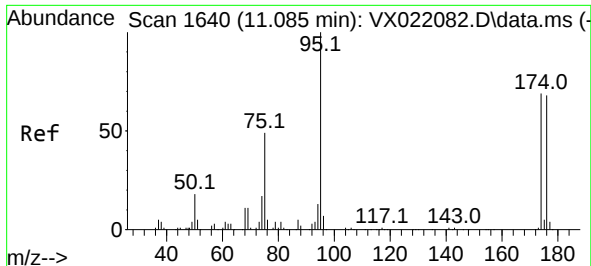
Tgt Ion: 43 Resp: 4746

Ion Ratio Lower Upper

43 100

58 0.0 30.9 92.8#

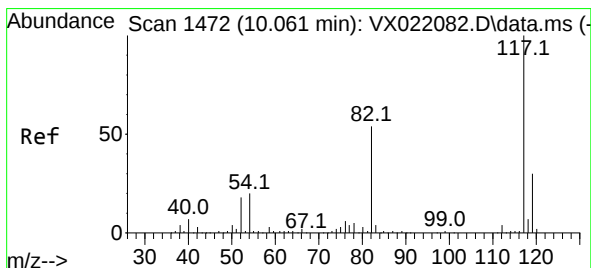
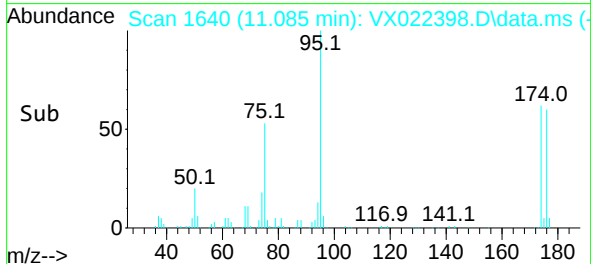
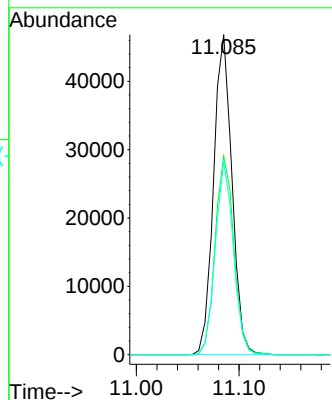
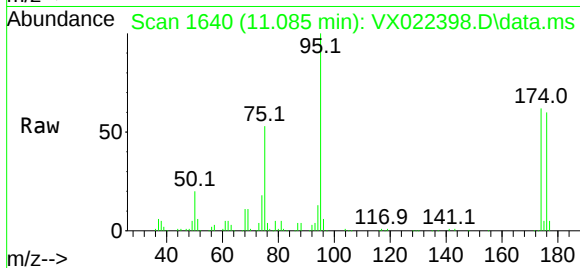




#62
4-Bromofluorobenzene
Concen: 47.96 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022398.D
Acq: 04 Jun 2021 04:09

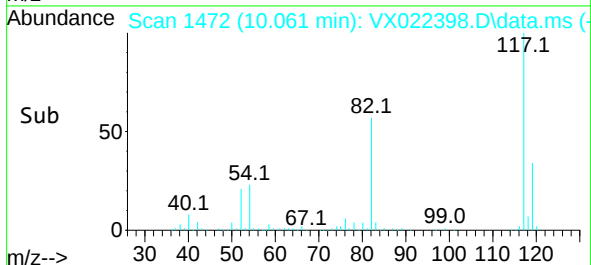
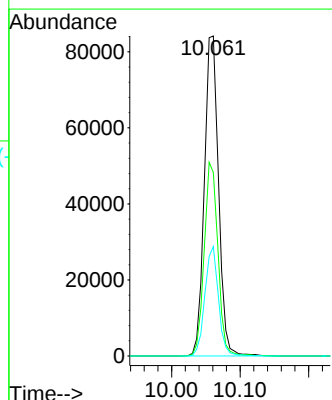
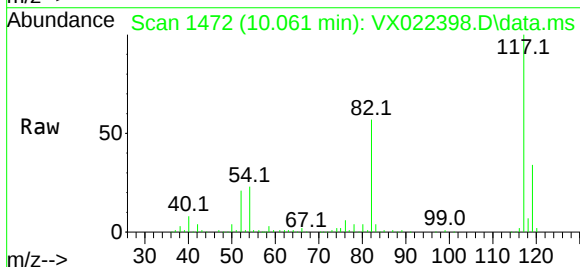
Instrument :
MSVOA_X
ClientSampleId :
PB36780ZHE#13

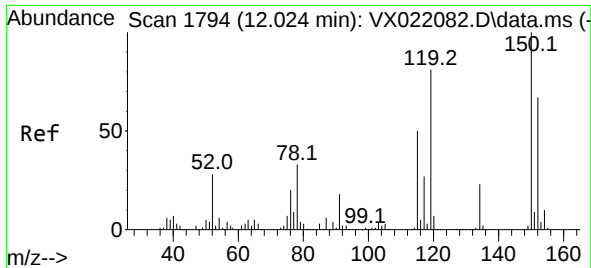
Tgt Ion: 95 Resp: 58139
Ion Ratio Lower Upper
95 100
174 63.0 0.0 154.6
176 59.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX022398.D
Acq: 04 Jun 2021 04:09

Tgt Ion: 117 Resp: 121572
Ion Ratio Lower Upper
117 100
82 57.3 47.4 71.2
119 34.2 26.6 39.8

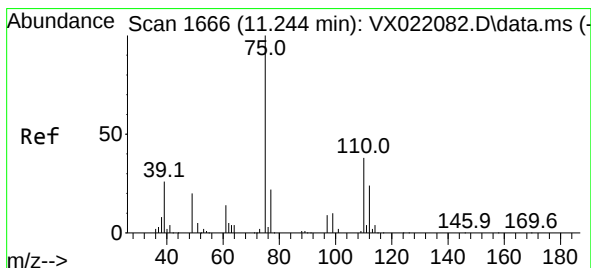
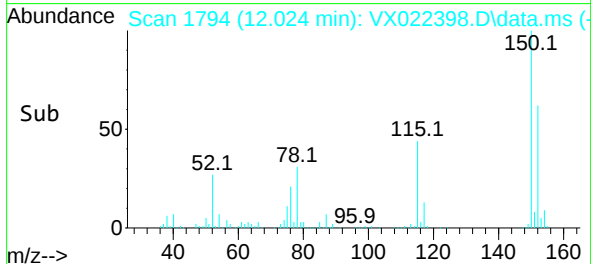
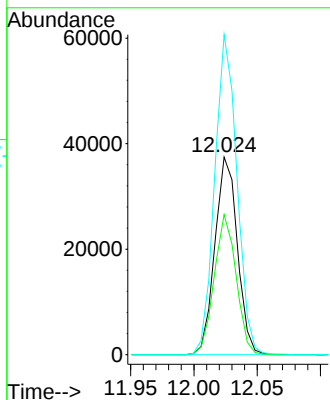
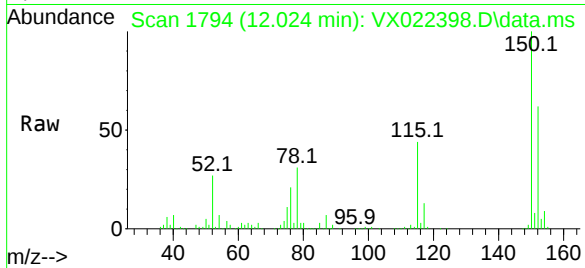




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX022398.D
Acq: 04 Jun 2021 04:09

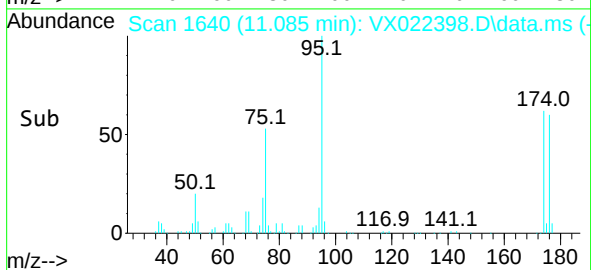
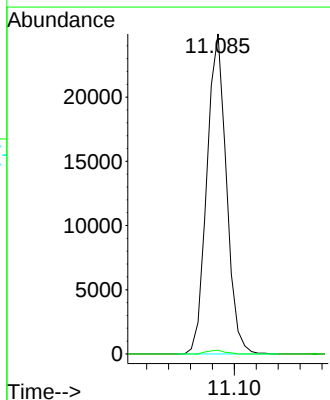
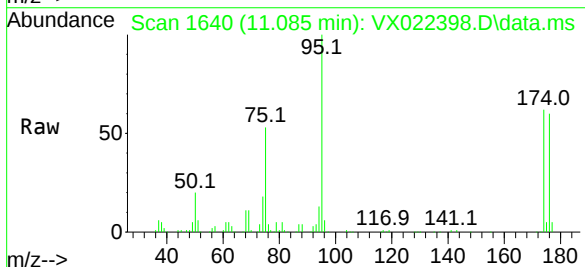
Instrument :
MSVOA_X
ClientSampleId :
PB36780ZHE#13

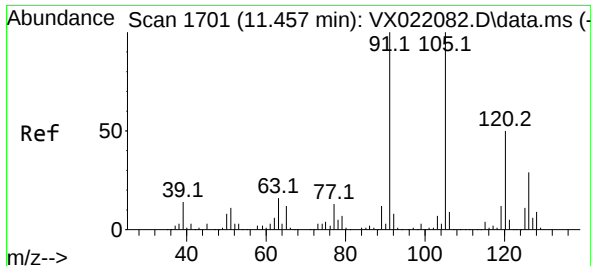
Tgt Ion:152 Resp: 46214
Ion Ratio Lower Upper
152 100
115 69.2 41.1 123.3
150 160.1 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 27.06 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022398.D
Acq: 04 Jun 2021 04:09

Tgt Ion: 75 Resp: 30851
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#

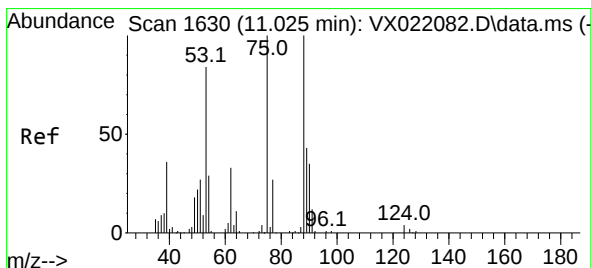
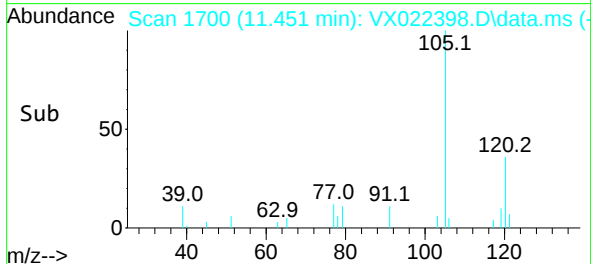
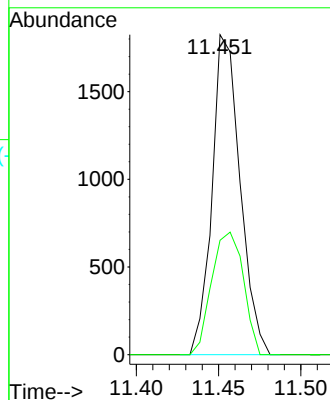
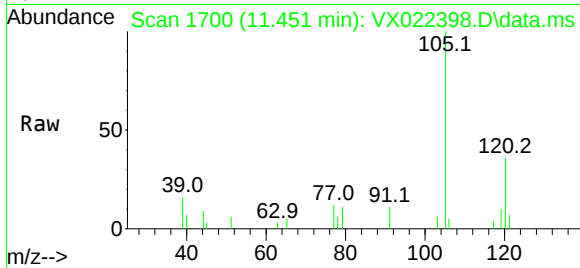




#80
1,3,5-Trimethylbenzene
Concen: 0.67 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VX022398.D
Acq: 04 Jun 2021 04:09

Instrument :
MSVOA_X
ClientSampleId :
PB36780ZHE#13

Tgt Ion:105 Resp: 2166
Ion Ratio Lower Upper
105 100
120 43.2 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 64.11 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX022398.D
Acq: 04 Jun 2021 04:09

Tgt Ion: 75 Resp: 30851
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

