

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011423\
 Data File : VX033731.D
 Acq On : 13 Jan 2023 18:38
 Operator : JC/MD
 Sample : PB150223ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 16 05:38:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

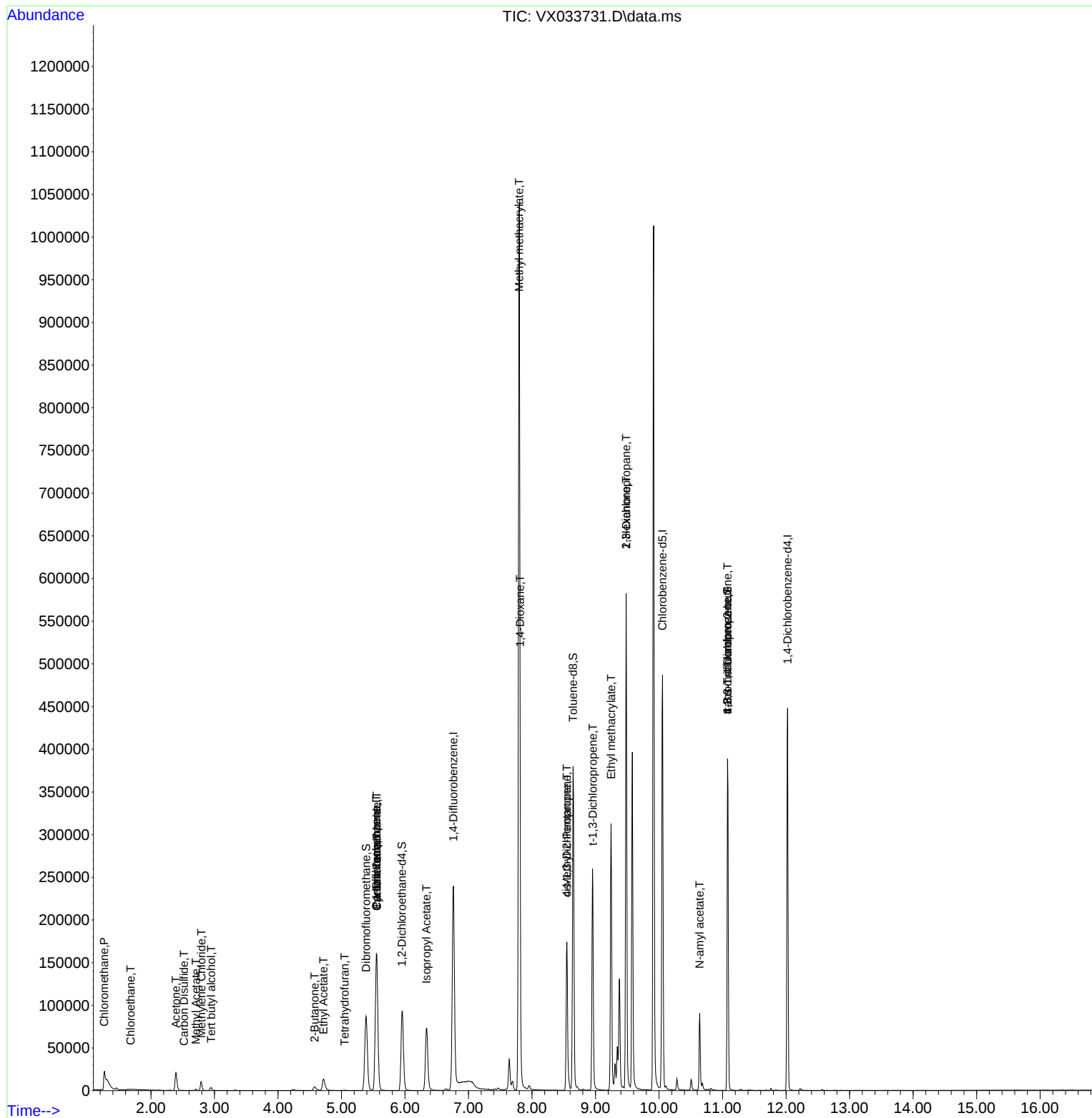
Internal Standards						
1) Pentafluorobenzene	5.550	168	166768	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	249754	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	226777	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100758	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	91445	52.078	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.160%			
35) Dibromofluoromethane	5.385	113	76811	49.529	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.060%			
50) Toluene-d8	8.647	98	217999	38.580	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 77.160%#			
62) 4-Bromofluorobenzene	11.079	95	99996	47.664	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.320%			
Target Compounds					Qvalue	
3) Chloromethane	1.264	50	439	0.298	ug/l #	43
6) Chloroethane	1.678	64	288	0.330	ug/l #	42
11) Tert butyl alcohol	2.946	59	2133	6.993	ug/l #	86
16) Acetone	2.392	43	28357	33.720	ug/l	97
17) Carbon Disulfide	2.520	76	250	1.892	ug/l #	76
18) Methyl Acetate	2.709	43	1902	0.776	ug/l	93
20) Methylene Chloride	2.794	84	4678	0.588	ug/l	93
25) 2-Butanone	4.574	43	8363	7.289	ug/l	100
29) Tetrahydrofuran	5.050	42	509	0.704	ug/l #	45
31) Cyclohexane	5.556	56	3020	1.169	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11146	4.924	ug/l #	49
37) Ethyl Acetate	4.714	43	24604	9.052	ug/l	99
38) Carbon Tetrachloride	5.556	117	15145	6.461	ug/l #	15
43) Isopropyl Acetate	6.336	43	104069	29.125	ug/l	99
48) Methyl methacrylate	7.799	41	92418	51.345	ug/l #	46
49) 1,4-Dioxane	7.811	88	126	3.165	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	66238	30.184	ug/l #	49
53) t-1,3-Dichloropropene	8.958	75	534	0.240	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	26375	10.580	ug/l #	72
56) Ethyl methacrylate	9.244	69	594	0.250	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	5175	1.892	ug/l #	43
59) 2-Hexanone	9.482	43	70439	46.118	ug/l #	50
73) Isopropylbenzene	11.079	105	25	Below Cal	#	48
74) N-amyl acetate	10.640	43	25228	9.535	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	48313	26.097	ug/l #	34
79) 2-Chlorotoluene	11.469	91	27	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	48313	81.107	ug/l #	8
82) 4-Chlorotoluene	11.469	91	27	Below Cal	#	43

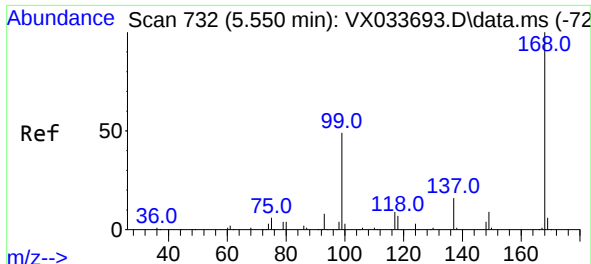
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011423\
Data File : VX033731.D
Acq On : 13 Jan 2023 18:38
Operator : JC/MD
Sample : PB150223ZHE#03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

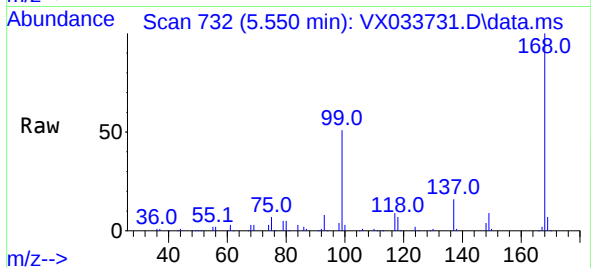
Quant Time: Jan 16 05:38:38 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 11 14:48:42 2023
Response via : Initial Calibration



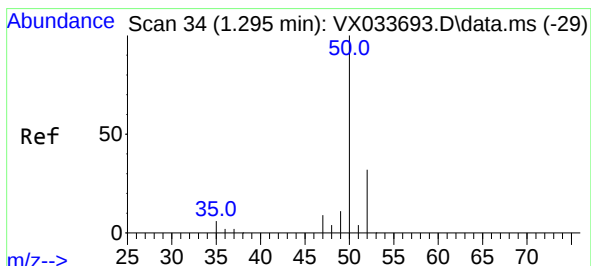
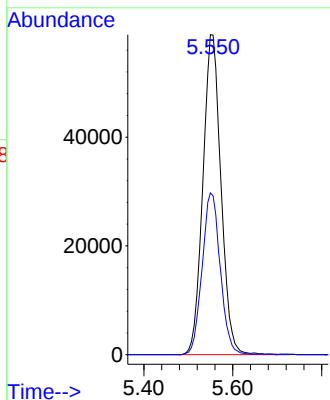
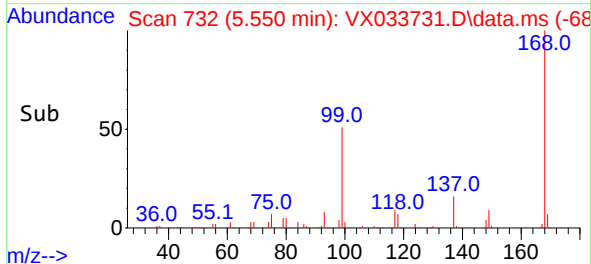


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033731.D
Acq: 13 Jan 2023 18:38

Instrument :
MSVOA_X
ClientSampleId :

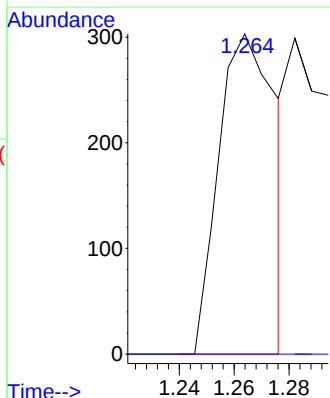
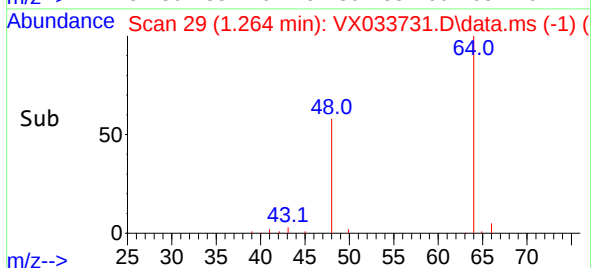
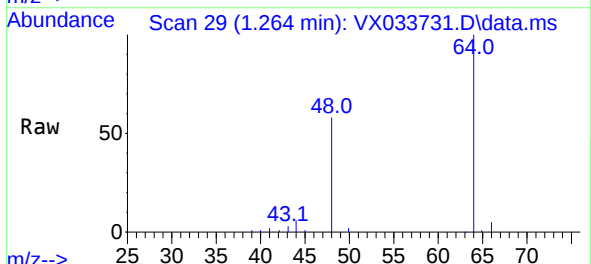


Tgt Ion:168 Resp: 166768
Ion Ratio Lower Upper
168 100
99 50.5 39.6 59.4

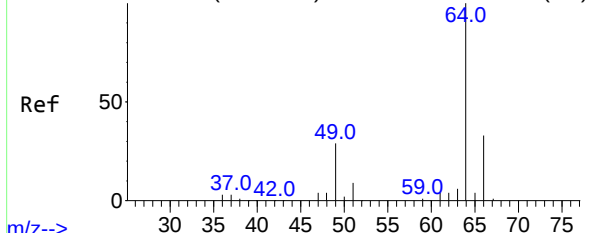


#3
Chloromethane
Concen: 0.298 ug/l
RT: 1.264 min Scan# 29
Delta R.T. -0.031 min
Lab File: VX033731.D
Acq: 13 Jan 2023 18:38

Tgt Ion: 50 Resp: 439
Ion Ratio Lower Upper
50 100
52 0.0 25.2 37.8#

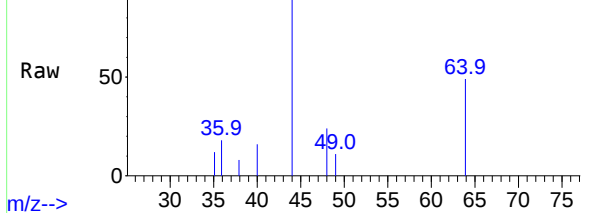


Abundance Scan 99 (1.691 min): VX033693.D\data.ms (-90)



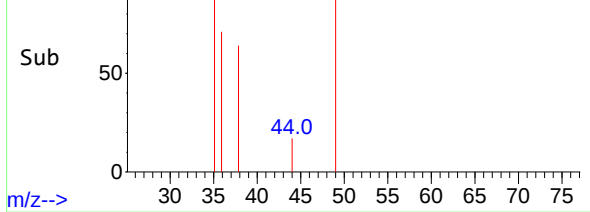
m/z-->

Abundance Scan 97 (1.678 min): VX033731.D\data.ms



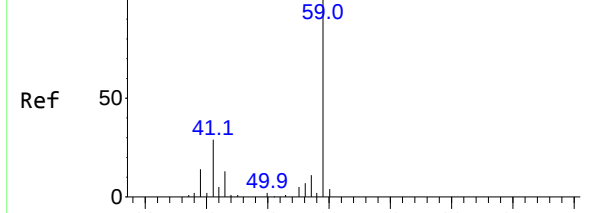
m/z-->

Abundance Scan 97 (1.678 min): VX033731.D\data.ms (-50)



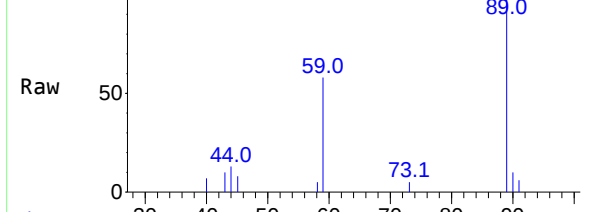
m/z-->

Abundance Scan 317 (3.020 min): VX033693.D\data.ms (-29)



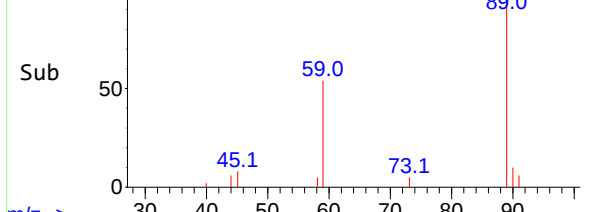
m/z-->

Abundance Scan 305 (2.946 min): VX033731.D\data.ms



m/z-->

Abundance Scan 305 (2.946 min): VX033731.D\data.ms (-26)



m/z-->

#6

Chloroethane

Concen: 0.330 ug/l

RT: 1.678 min Scan# 91

Delta R.T. -0.012 min

Lab File: VX033731.D

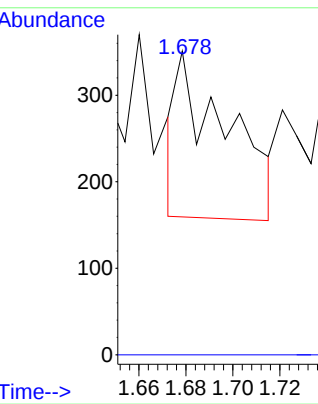
Acq: 13 Jan 2023 18:38

Tgt Ion: 64 Resp: 288

Ion Ratio Lower Upper

64 100

66 0.0 26.1 39.1#



#11

Tert butyl alcohol

Concen: 6.993 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.073 min

Lab File: VX033731.D

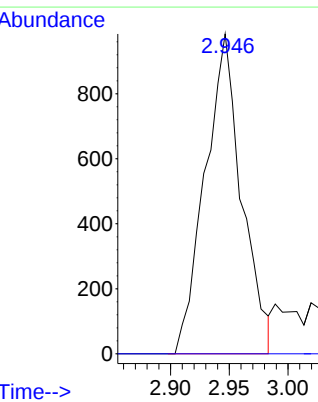
Acq: 13 Jan 2023 18:38

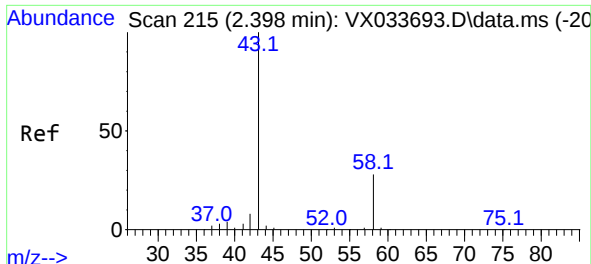
Tgt Ion: 59 Resp: 2133

Ion Ratio Lower Upper

59 100

57 0.0 3.7 5.5#

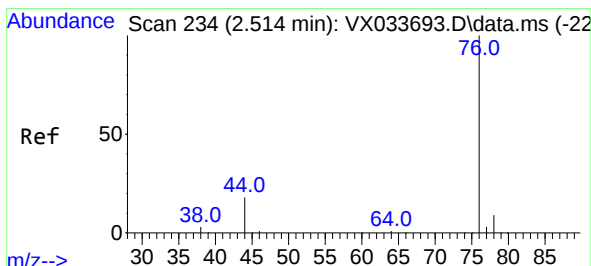
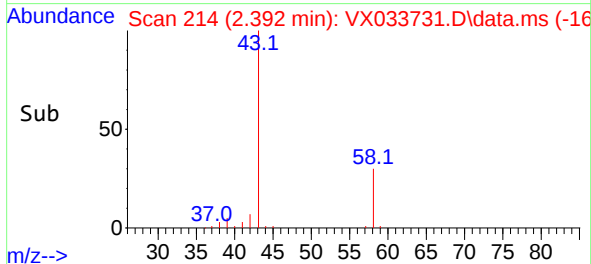
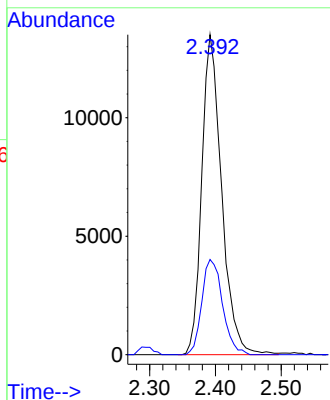
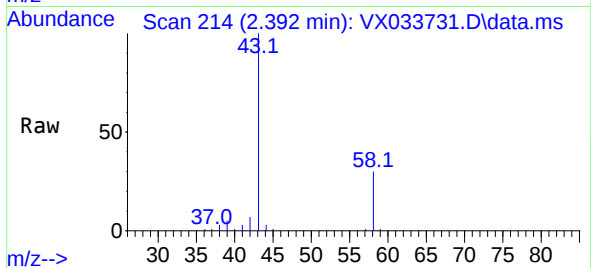




#16
Acetone
Concen: 33.720 ug/l
RT: 2.392 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX033731.D
Acq: 13 Jan 2023 18:38

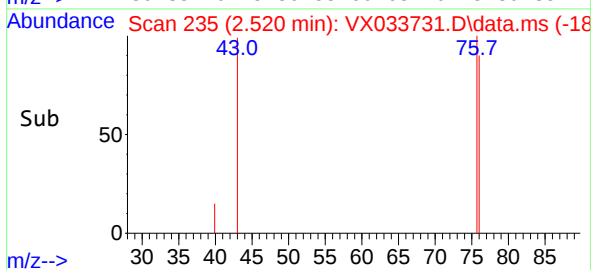
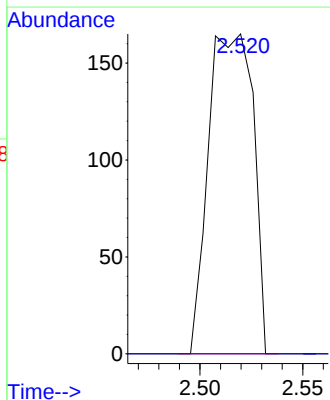
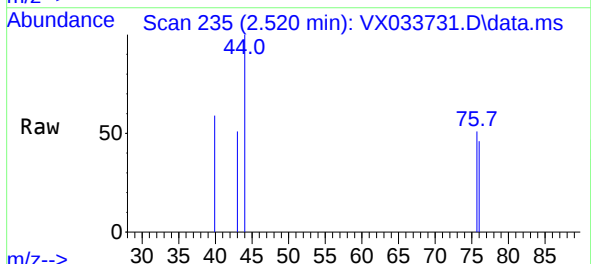
Instrument :
MSVOA_X
ClientSampleId :

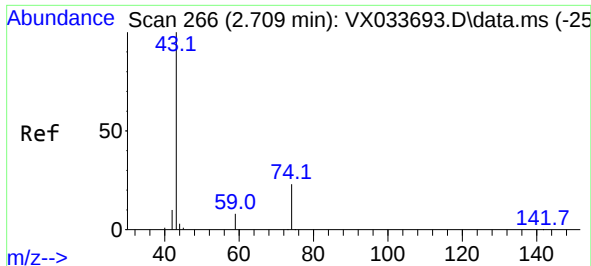
Tgt Ion: 43 Resp: 28357
Ion Ratio Lower Upper
43 100
58 29.7 22.6 33.8



#17
Carbon Disulfide
Concen: 1.892 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX033731.D
Acq: 13 Jan 2023 18:38

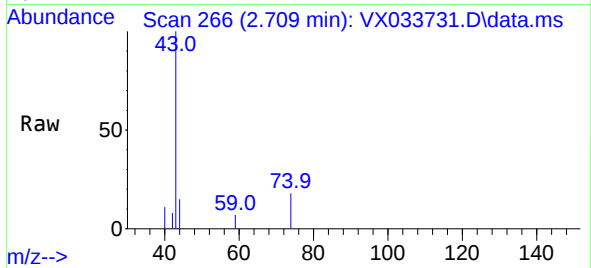
Tgt Ion: 76 Resp: 250
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



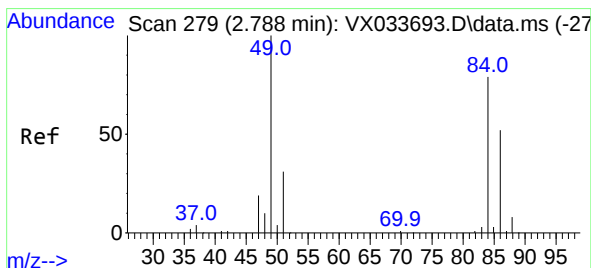
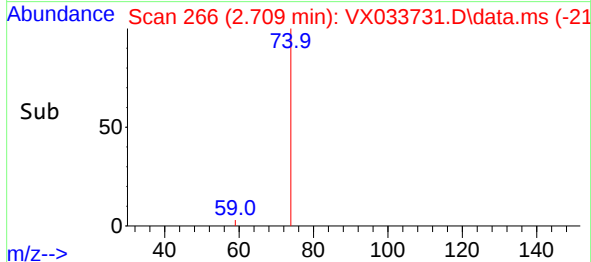
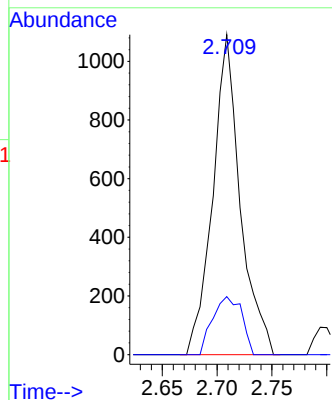


#18
Methyl Acetate
Concen: 0.776 ug/l
RT: 2.709 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX033731.D
Acq: 13 Jan 2023 18:38

Instrument :
MSVOA_X
ClientSampleId :

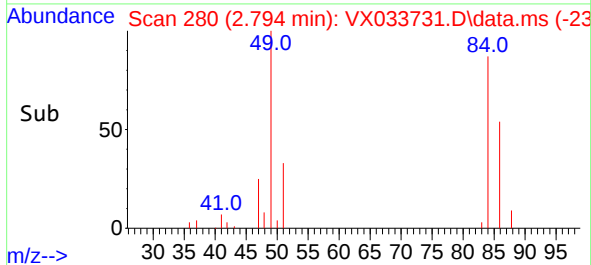
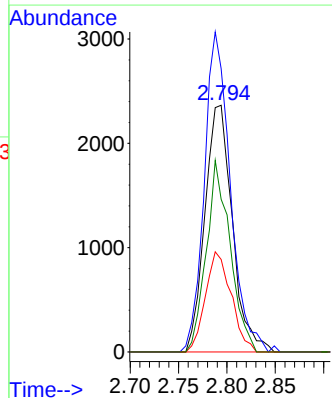
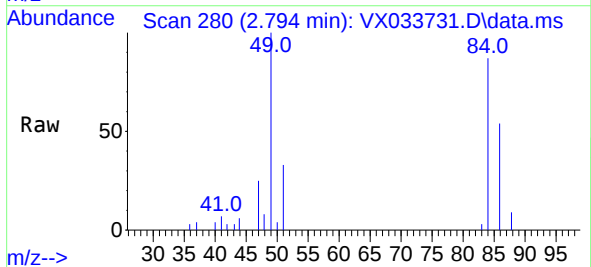


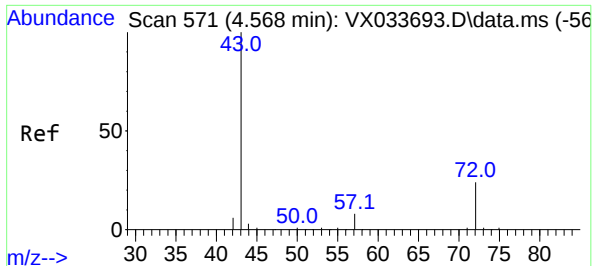
Tgt Ion: 43 Resp: 1902
Ion Ratio Lower Upper
43 100
74 19.2 18.2 27.4



#20
Methylene Chloride
Concen: 0.588 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX033731.D
Acq: 13 Jan 2023 18:38

Tgt Ion: 84 Resp: 4678
Ion Ratio Lower Upper
84 100
49 114.8 101.1 151.7
51 37.5 31.0 46.6
86 61.9 52.6 79.0





#25

2-Butanone

Concen: 7.289 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX033731.D

Acq: 13 Jan 2023 18:38

Instrument :

MSVOA_X

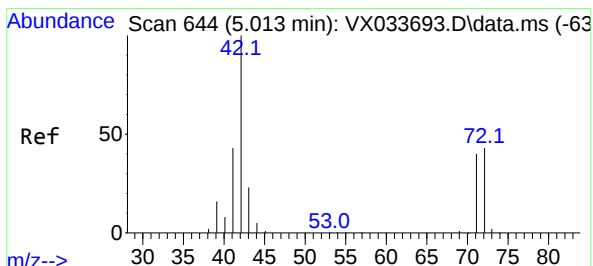
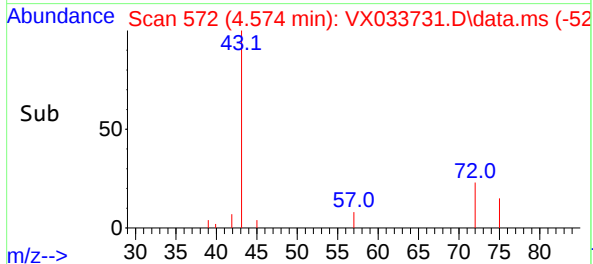
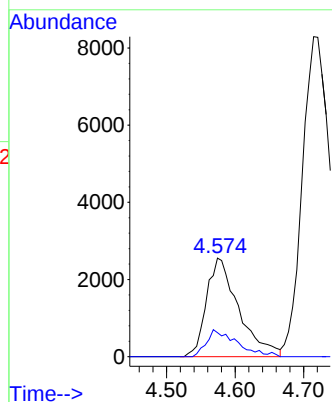
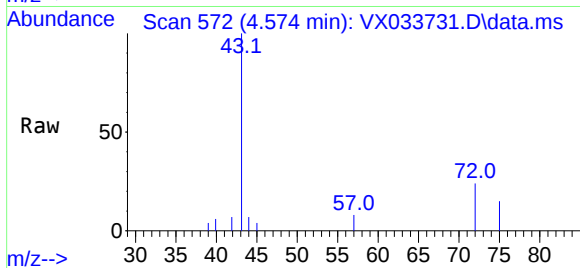
ClientSampleId :

Tgt Ion: 43 Resp: 8363

Ion Ratio Lower Upper

43 100

72 24.3 19.4 29.2



#29

Tetrahydrofuran

Concen: 0.704 ug/l

RT: 5.050 min Scan# 650

Delta R.T. 0.036 min

Lab File: VX033731.D

Acq: 13 Jan 2023 18:38

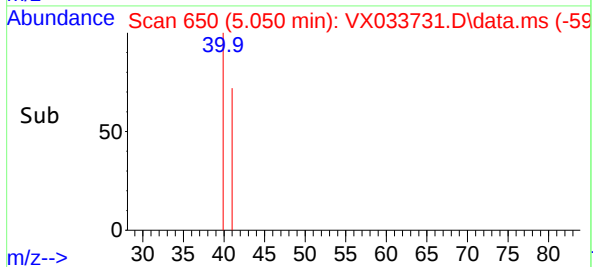
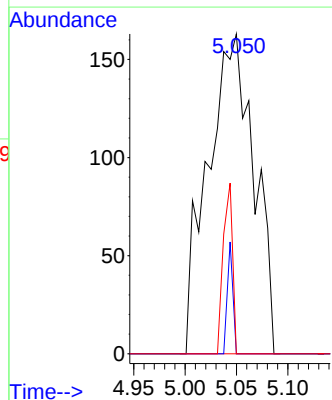
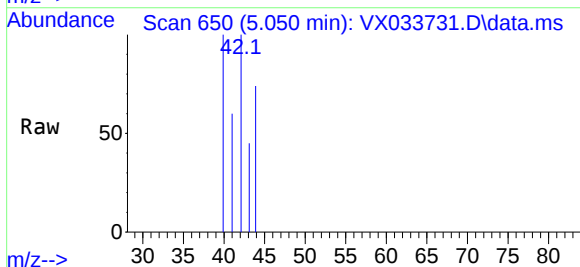
Tgt Ion: 42 Resp: 509

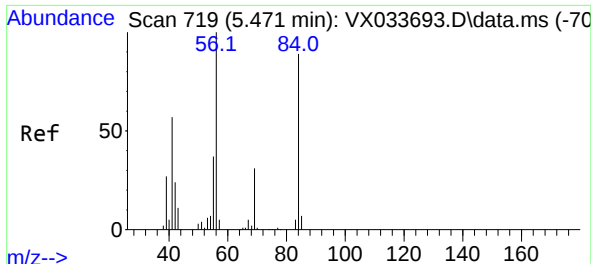
Ion Ratio Lower Upper

42 100

72 4.1 34.8 52.2#

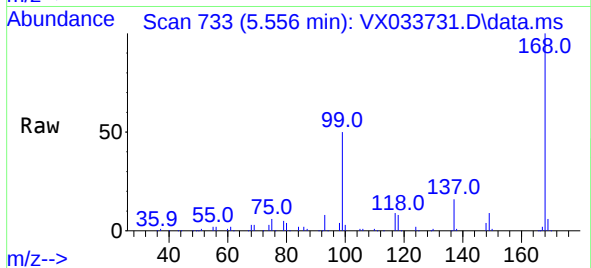
71 10.6 32.2 48.2#



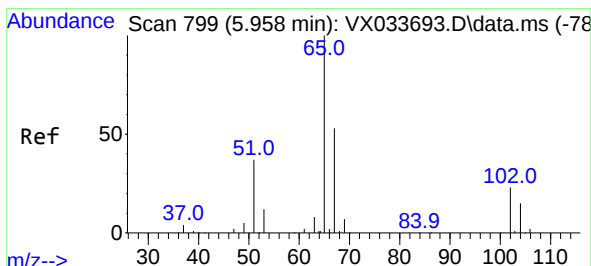
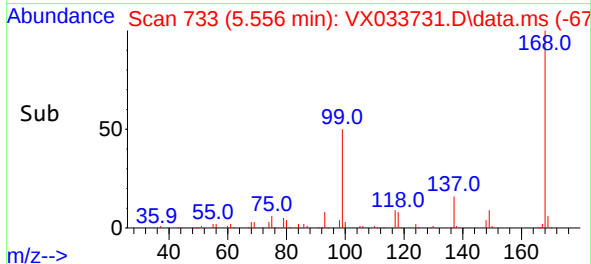
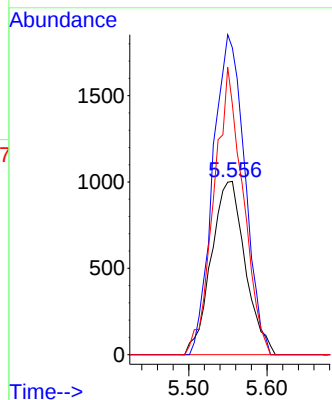


#31
Cyclohexane
Concen: 1.169 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX033731.D
Acq: 13 Jan 2023 18:38

Instrument :
MSVOA_X
ClientSampleId :

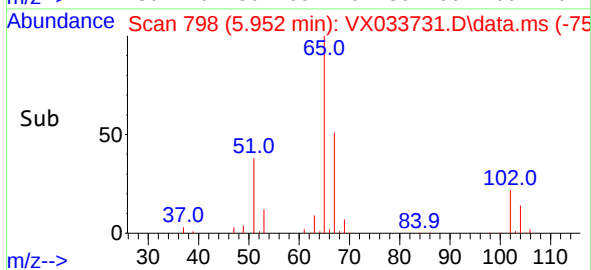
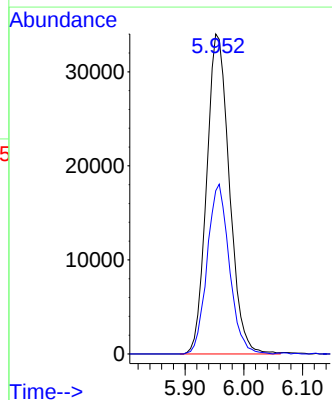
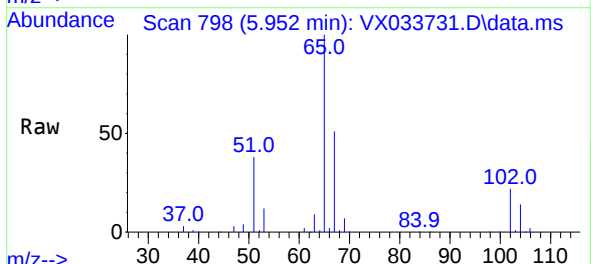


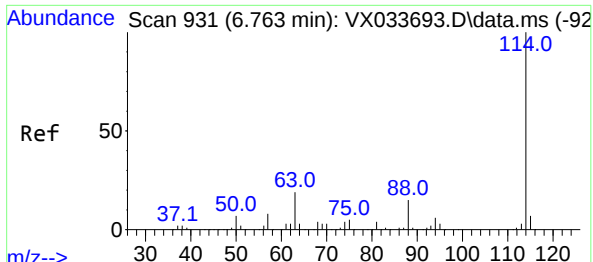
Tgt Ion: 56 Resp: 3020
Ion Ratio Lower Upper
56 100
69 177.2 24.6 37.0#
84 144.6 71.0 106.6#



#33
1,2-Dichloroethane-d4
Concen: 52.078 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX033731.D
Acq: 13 Jan 2023 18:38

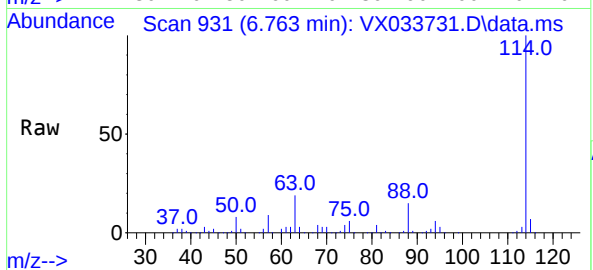
Tgt Ion: 65 Resp: 91445
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.8



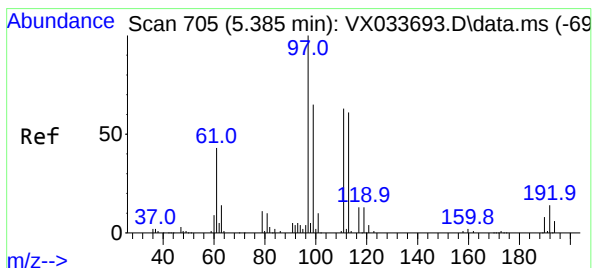
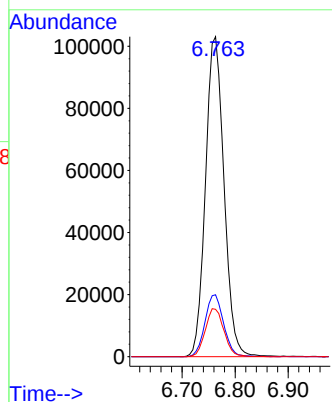


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX033731.D
Acq: 13 Jan 2023 18:38

Instrument :
MSVOA_X
ClientSampleId :

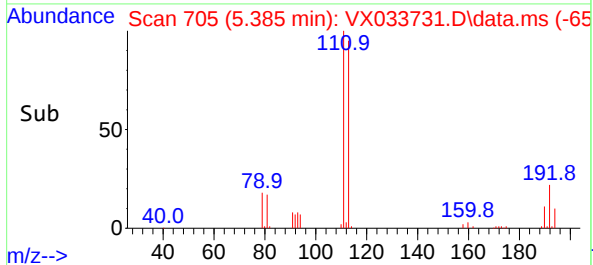
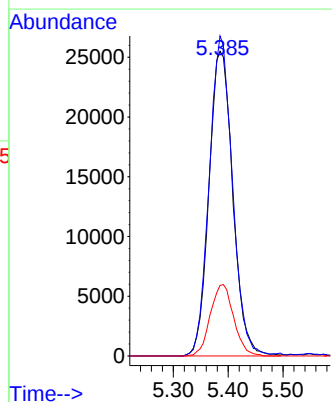
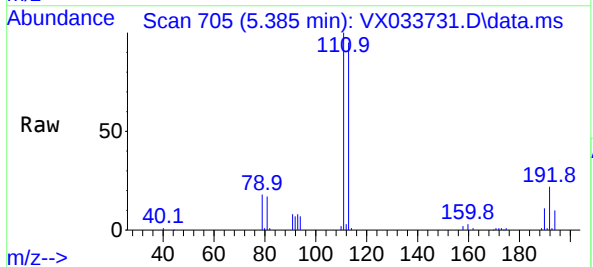


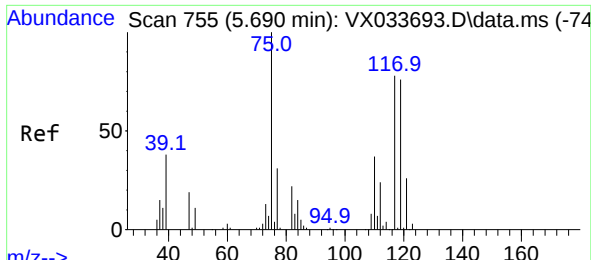
Tgt Ion:114 Resp: 249754
Ion Ratio Lower Upper
114 100
63 19.4 0.0 37.4
88 14.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.529 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033731.D
Acq: 13 Jan 2023 18:38

Tgt Ion:113 Resp: 76811
Ion Ratio Lower Upper
113 100
111 102.2 83.0 124.6
192 23.0 19.0 28.4





#36

1,1-Dichloropropene

Concen: 4.924 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

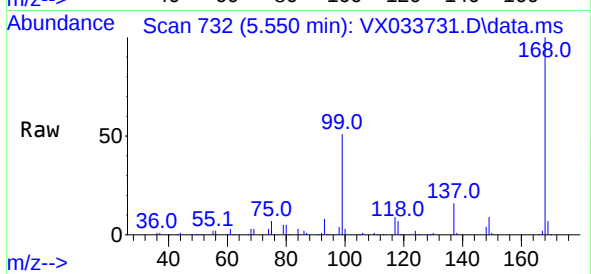
Lab File: VX033731.D

Acq: 13 Jan 2023 18:38

Instrument :

MSVOA_X

ClientSampleId :



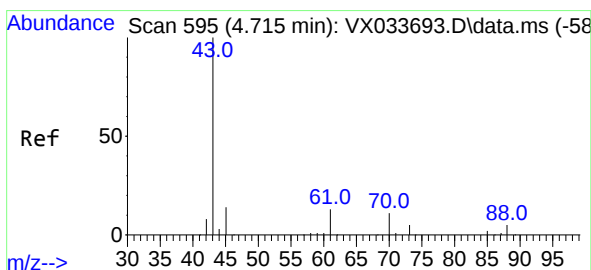
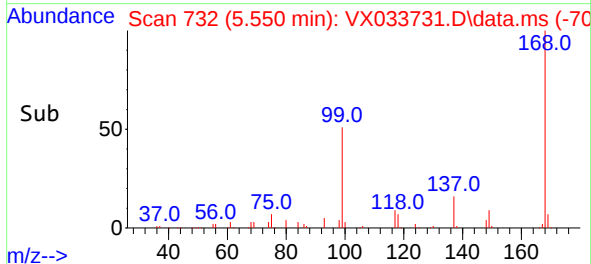
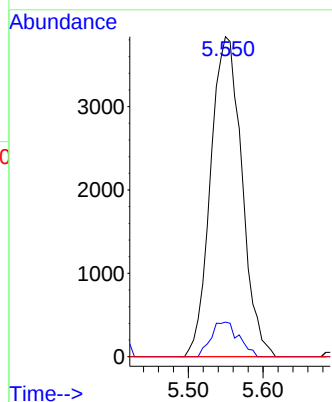
Tgt Ion: 75 Resp: 11146

Ion Ratio Lower Upper

75 100

110 9.6 18.8 56.4#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 9.052 ug/l

RT: 4.714 min Scan# 595

Delta R.T. -0.001 min

Lab File: VX033731.D

Acq: 13 Jan 2023 18:38

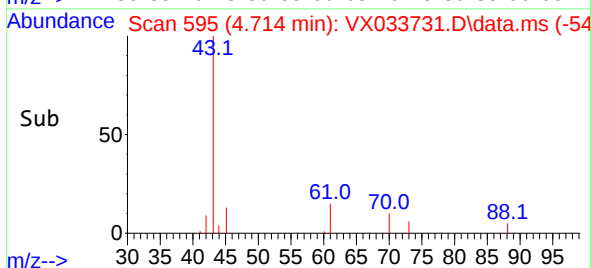
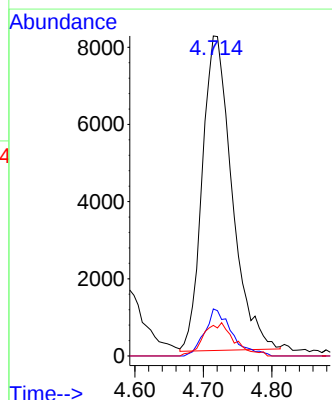
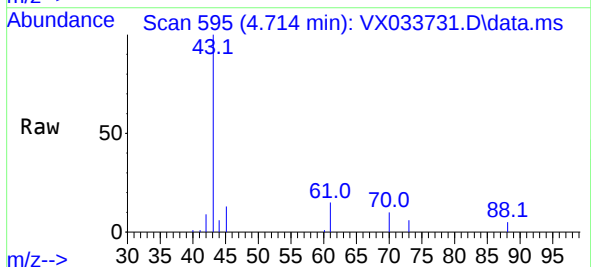
Tgt Ion: 43 Resp: 24604

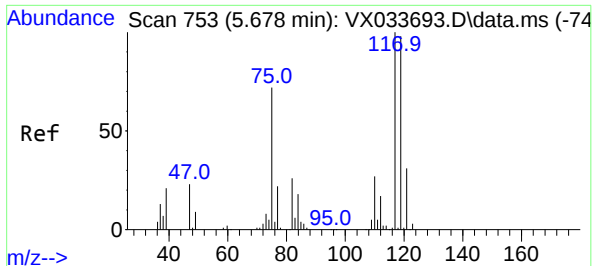
Ion Ratio Lower Upper

43 100

61 13.7 11.1 16.7

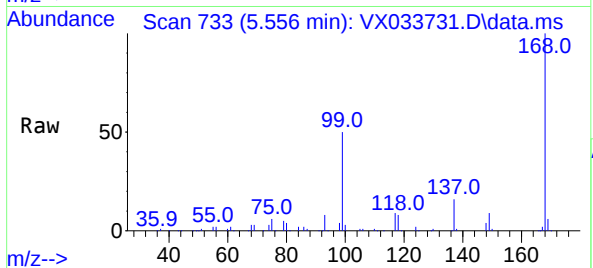
70 10.9 8.5 12.7



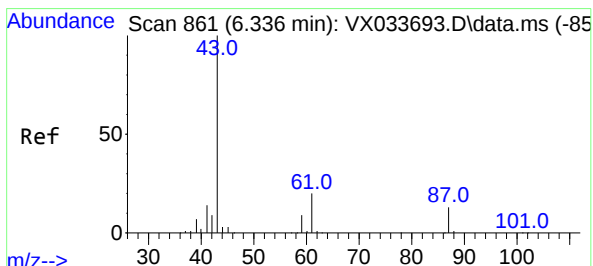
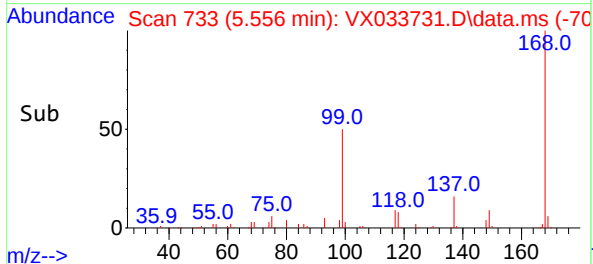
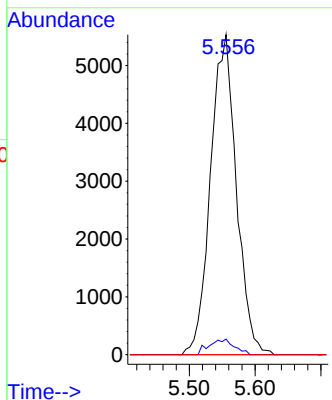


#38
Carbon Tetrachloride
Concen: 6.461 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX033731.D
Acq: 13 Jan 2023 18:38

Instrument :
MSVOA_X
ClientSampleId :

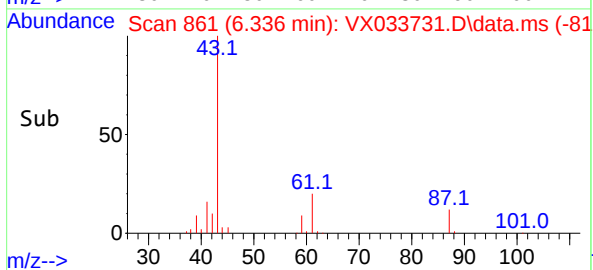
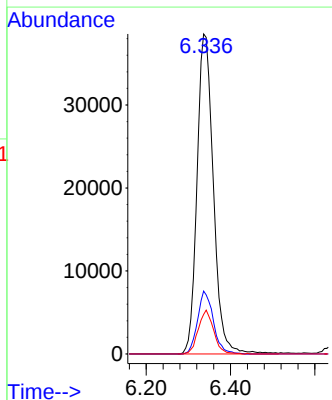
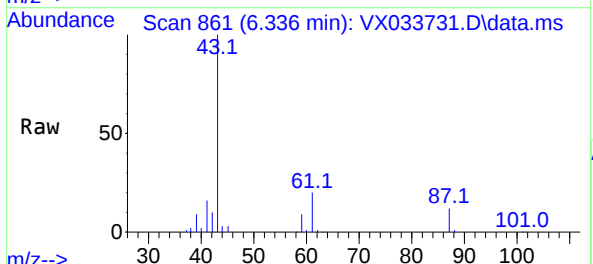


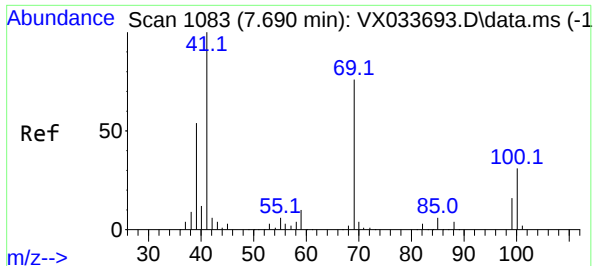
Tgt Ion:117 Resp: 15145
Ion Ratio Lower Upper
117 100
119 4.9 78.0 117.0#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 29.125 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX033731.D
Acq: 13 Jan 2023 18:38

Tgt Ion: 43 Resp: 104069
Ion Ratio Lower Upper
43 100
61 18.9 15.7 23.5
87 12.9 10.6 15.8





#48

Methyl methacrylate

Concen: 51.345 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.110 min

Lab File: VX033731.D

Acq: 13 Jan 2023 18:38

Instrument :

MSVOA_X

ClientSampleId :

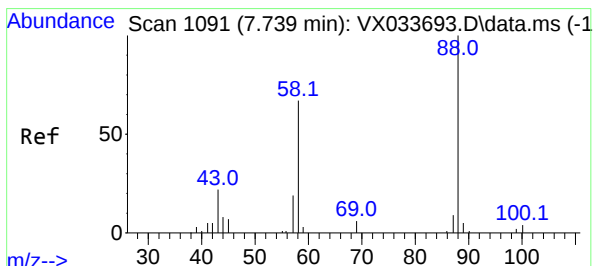
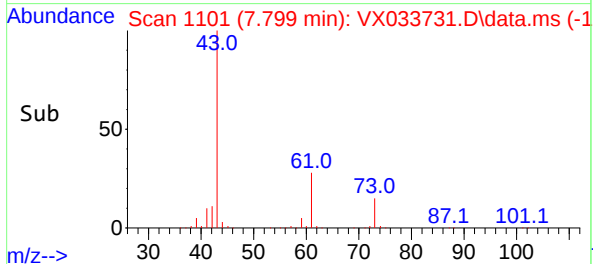
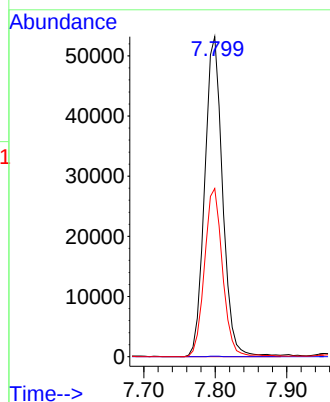
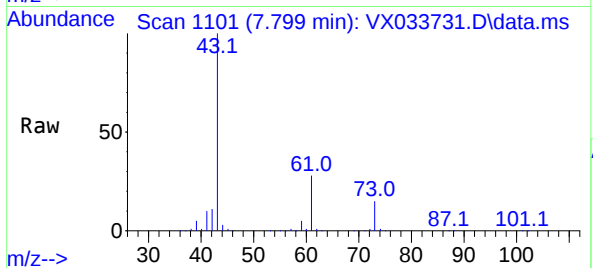
Tgt Ion: 41 Resp: 92418

Ion Ratio Lower Upper

41 100

69 0.1 63.1 94.7#

39 53.2 43.2 64.8



#49

1,4-Dioxane

Concen: 3.165 ug/l

RT: 7.811 min Scan# 1103

Delta R.T. 0.073 min

Lab File: VX033731.D

Acq: 13 Jan 2023 18:38

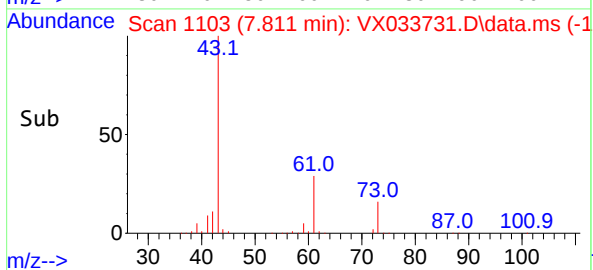
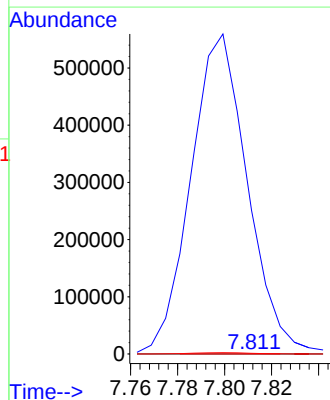
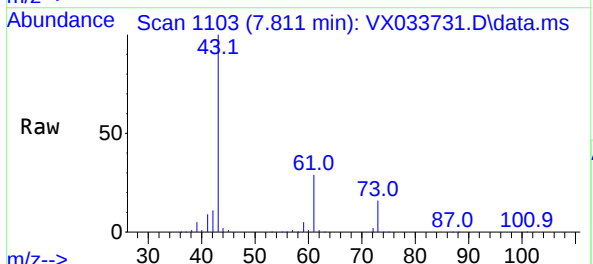
Tgt Ion: 88 Resp: 126

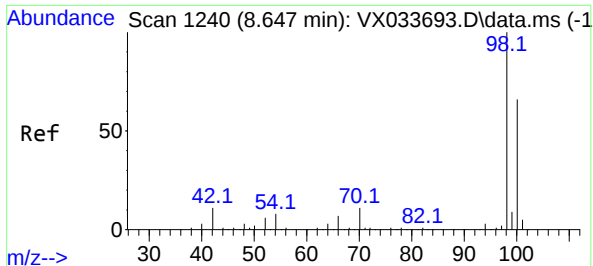
Ion Ratio Lower Upper

88 100

43 753648.4 0.0 0.0#

58 3106.3 56.5 84.7#

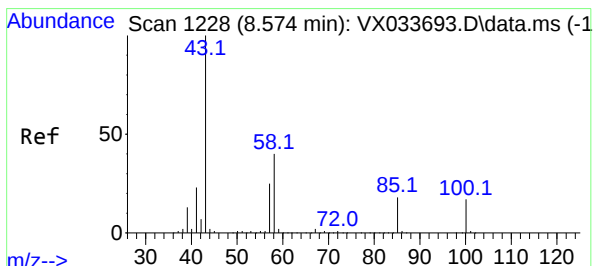
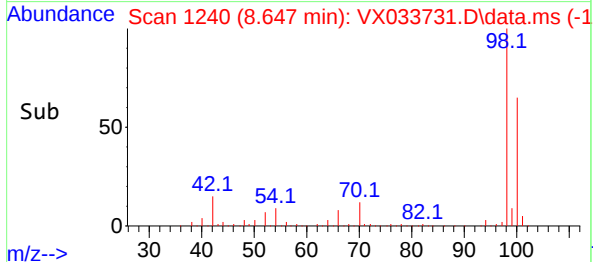
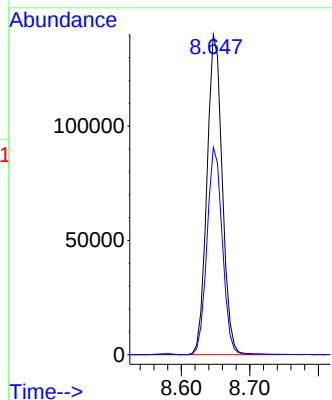
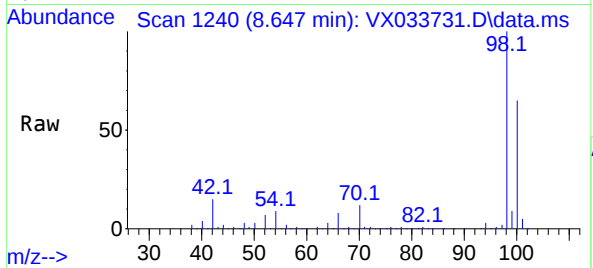




#50
Toluene-d8
Concen: 38.580 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033731.D
Acq: 13 Jan 2023 18:38

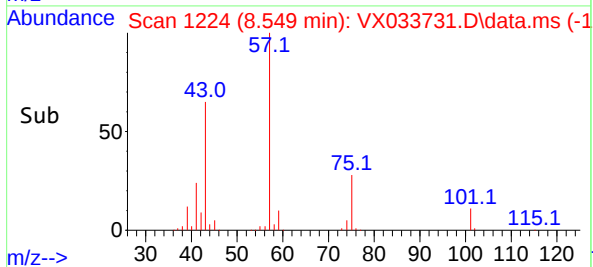
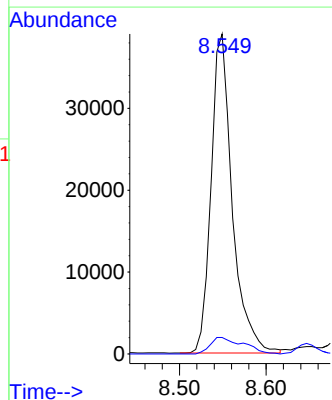
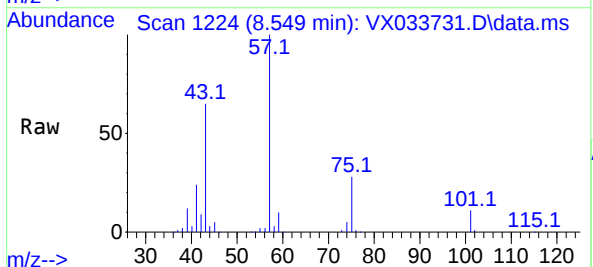
Instrument :
MSVOA_X
ClientSampleId :

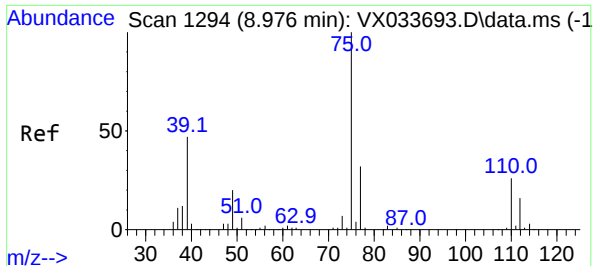
Tgt Ion: 98 Resp: 217999
Ion Ratio Lower Upper
98 100
100 64.7 53.6 80.4



#51
4-Methyl-2-Pentanone
Concen: 30.184 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX033731.D
Acq: 13 Jan 2023 18:38

Tgt Ion: 43 Resp: 66238
Ion Ratio Lower Upper
43 100
58 8.1 31.2 46.8#

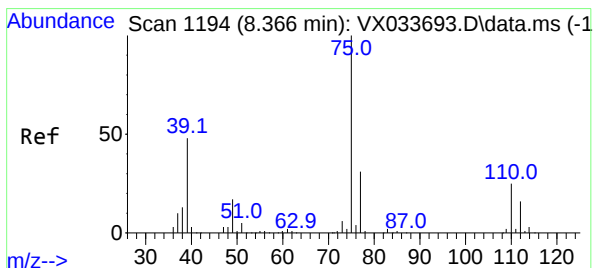
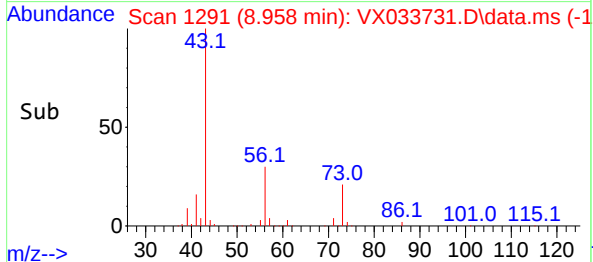
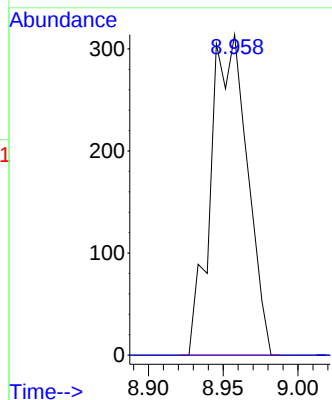
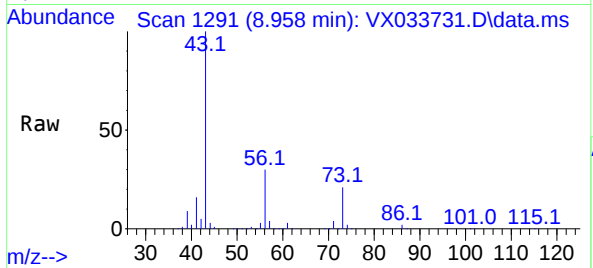




#53
t-1,3-Dichloropropene
Concen: 0.240 ug/l
RT: 8.958 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX033731.D
Acq: 13 Jan 2023 18:38

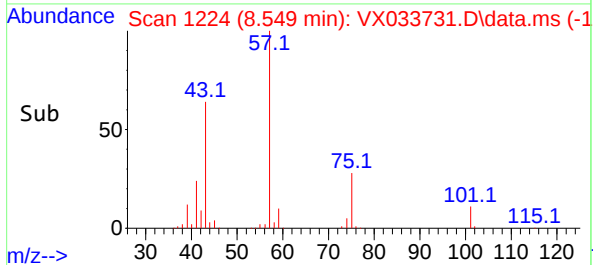
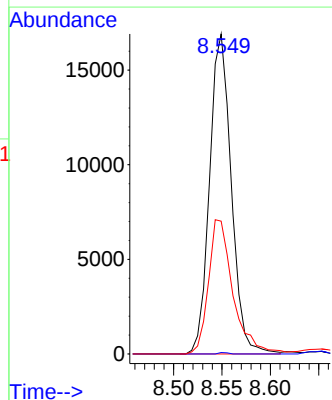
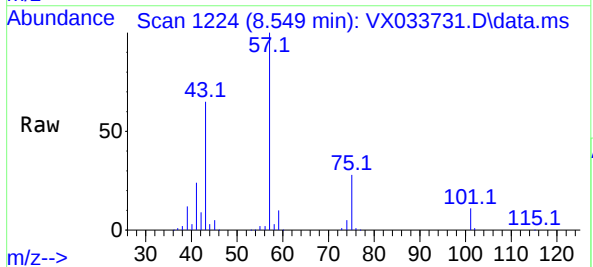
Instrument :
MSVOA_X
ClientSampleId :

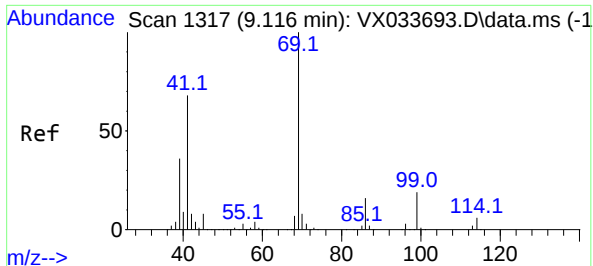
Tgt Ion: 75 Resp: 534
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#



#54
cis-1,3-Dichloropropene
Concen: 10.580 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX033731.D
Acq: 13 Jan 2023 18:38

Tgt Ion: 75 Resp: 26375
Ion Ratio Lower Upper
75 100
77 0.5 25.0 37.6#
39 41.5 38.6 58.0





#56

Ethyl methacrylate

Concen: 0.250 ug/l

RT: 9.244 min Scan# 11

Delta R.T. 0.128 min

Lab File: VX033731.D

Acq: 13 Jan 2023 18:38

Instrument :

MSVOA_X

ClientSampleId :

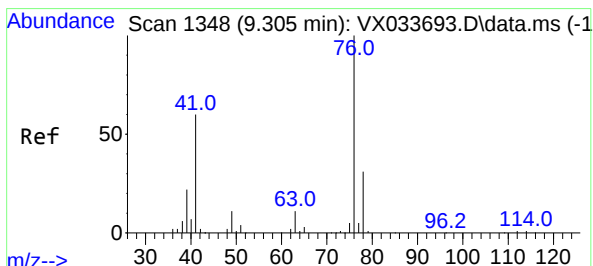
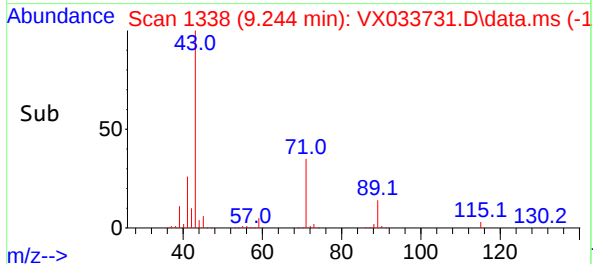
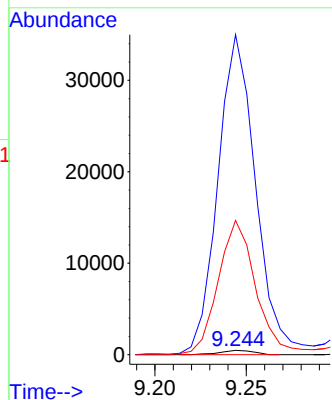
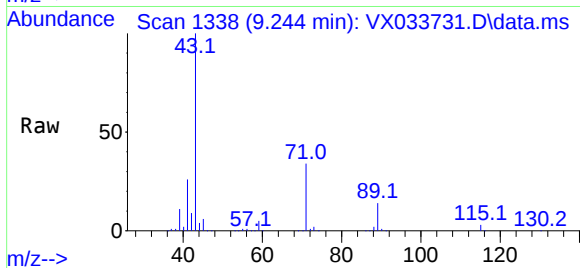
Tgt Ion: 69 Resp: 594

Ion Ratio Lower Upper

69 100

41 8554.5 55.1 82.7#

39 3571.9 28.5 42.7#



#57

1,3-Dichloropropane

Concen: 1.892 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX033731.D

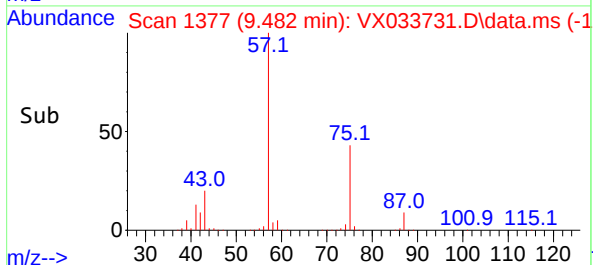
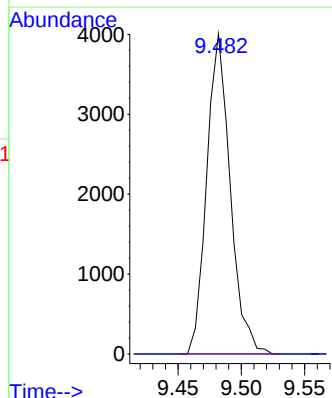
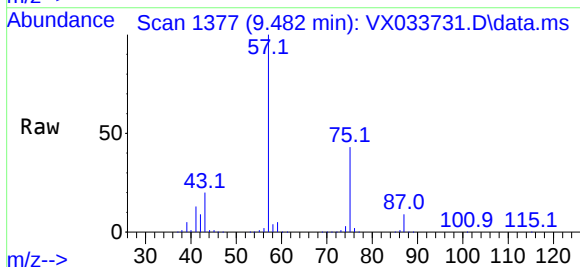
Acq: 13 Jan 2023 18:38

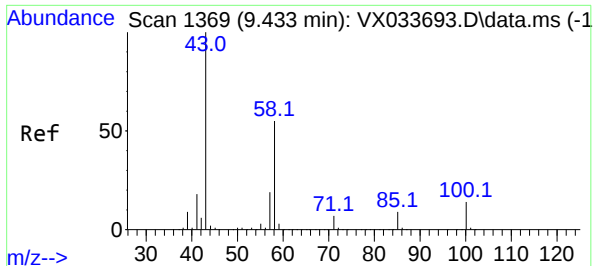
Tgt Ion: 76 Resp: 5175

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#





#59

2-Hexanone

Concen: 46.118 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX033731.D

Acq: 13 Jan 2023 18:38

Instrument :

MSVOA_X

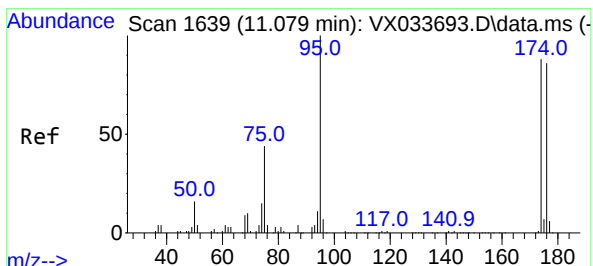
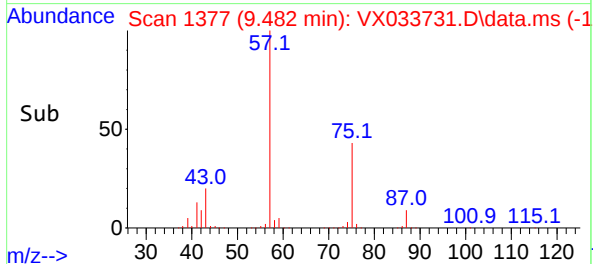
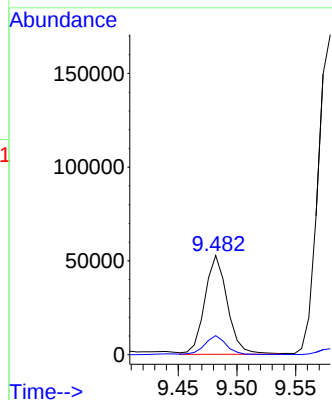
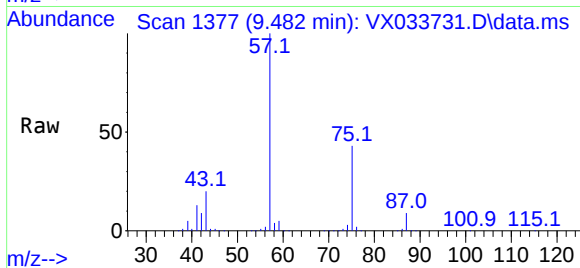
ClientSampleId :

Tgt Ion: 43 Resp: 70439

Ion Ratio Lower Upper

43 100

58 18.8 27.4 82.0#



#62

4-Bromofluorobenzene

Concen: 47.664 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX033731.D

Acq: 13 Jan 2023 18:38

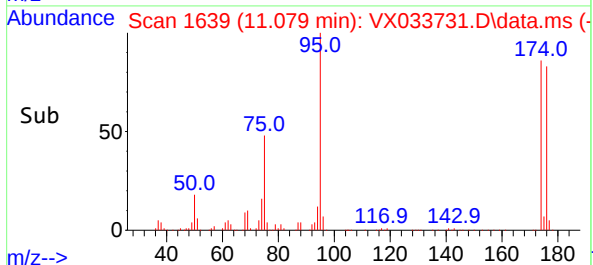
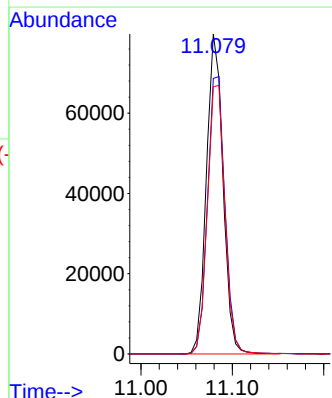
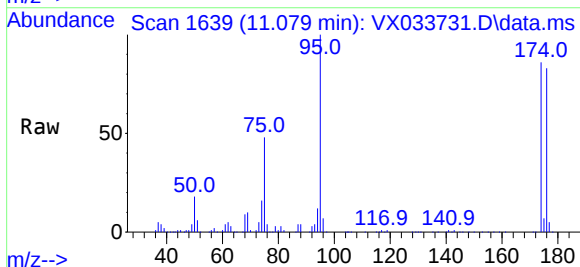
Tgt Ion: 95 Resp: 99996

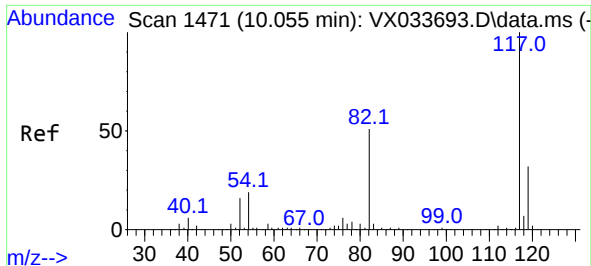
Ion Ratio Lower Upper

95 100

174 91.7 0.0 184.4

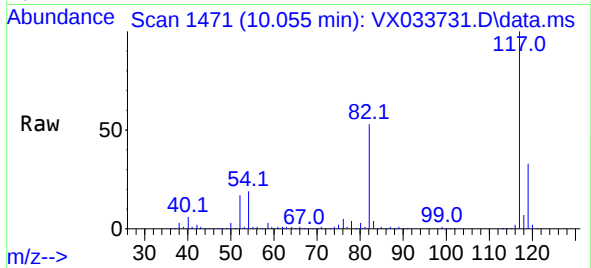
176 88.8 0.0 178.8



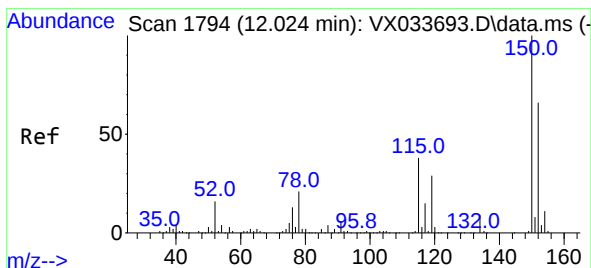
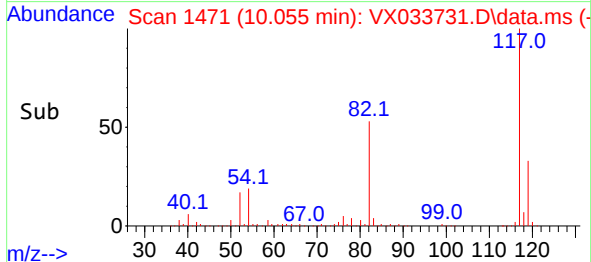
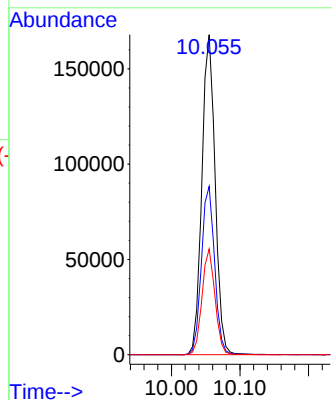


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033731.D
Acq: 13 Jan 2023 18:38

Instrument :
MSVOA_X
ClientSampleId :

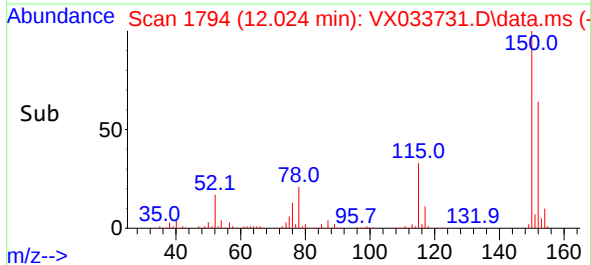
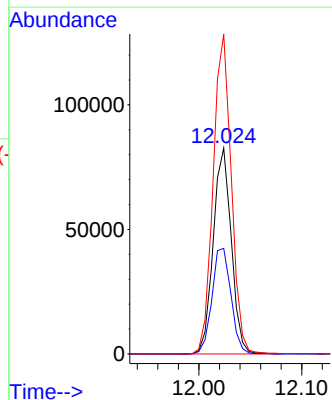
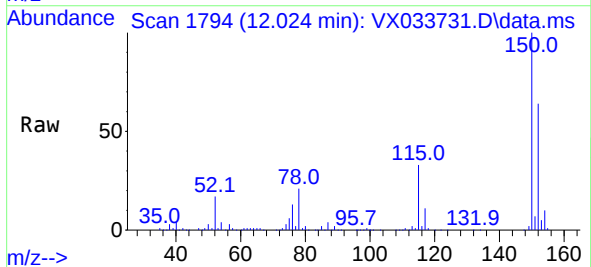


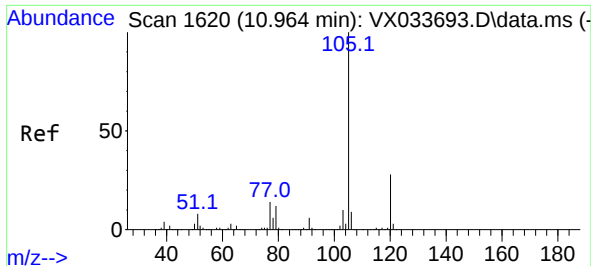
Tgt Ion:117 Resp: 226777
Ion Ratio Lower Upper
117 100
82 52.6 40.6 60.8
119 33.1 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX033731.D
Acq: 13 Jan 2023 18:38

Tgt Ion:152 Resp: 100758
Ion Ratio Lower Upper
152 100
115 54.1 38.7 116.1
150 156.3 0.0 348.2

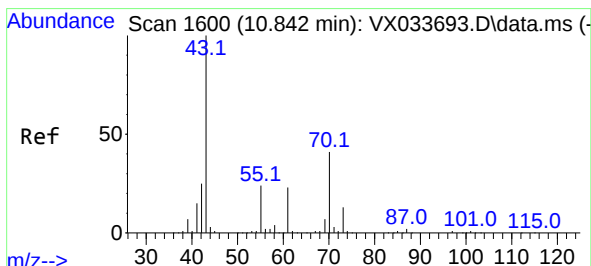
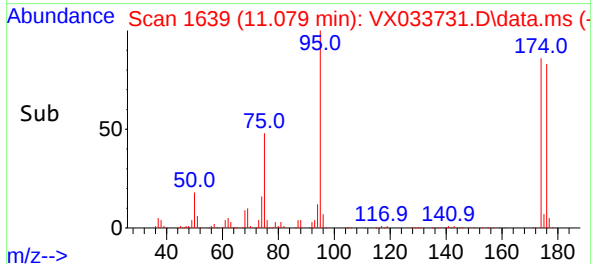
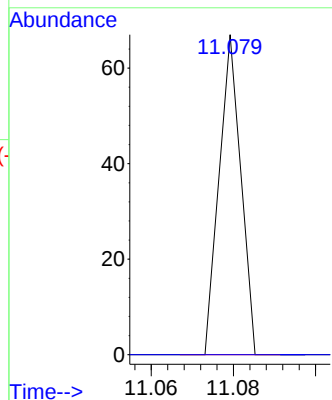
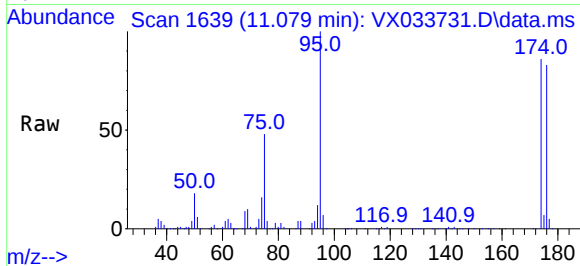




#73
Isopropylbenzene
Concen: Below Cal
RT: 11.079 min Scan# 1
Delta R.T. 0.115 min
Lab File: VX033731.D
Acq: 13 Jan 2023 18:38

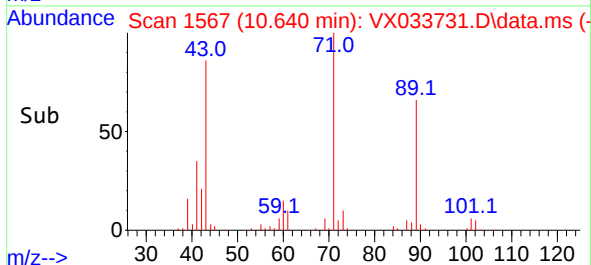
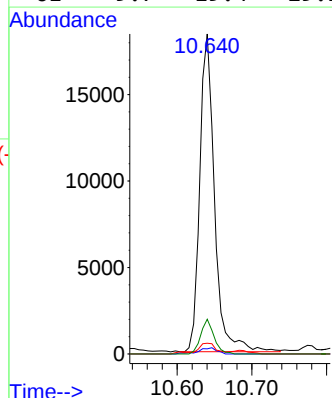
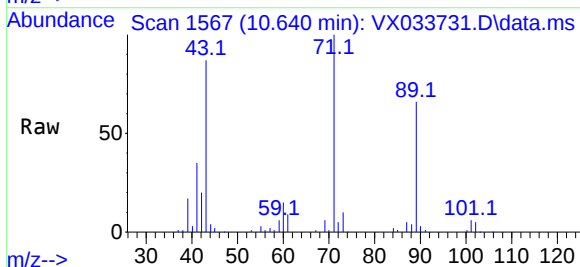
Instrument :
MSVOA_X
ClientSampleId :

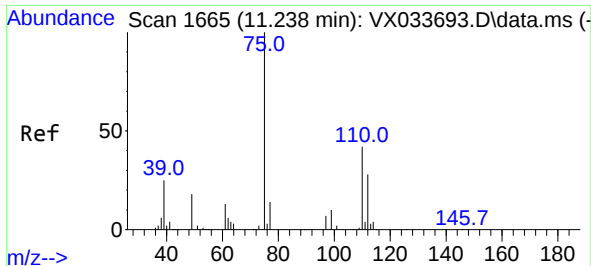
Tgt Ion:105 Resp: 25
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.8#



#74
N-ethyl acetate
Concen: 9.535 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX033731.D
Acq: 13 Jan 2023 18:38

Tgt Ion: 43 Resp: 25228
Ion Ratio Lower Upper
43 100
70 2.4 34.8 52.2#
55 4.0 19.4 29.0#
61 9.7 19.4 29.2#

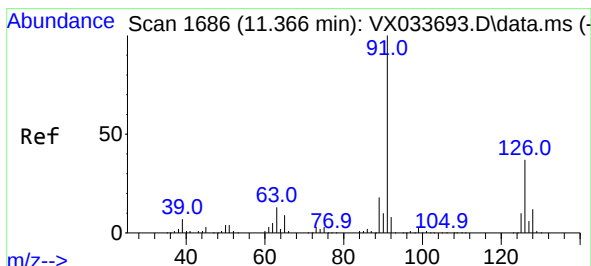
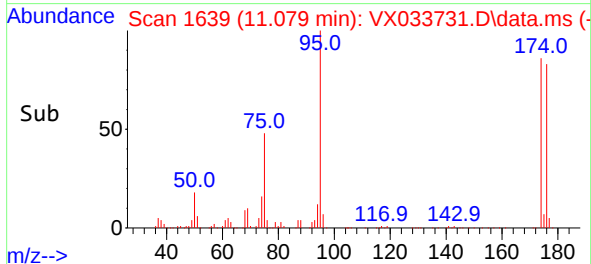
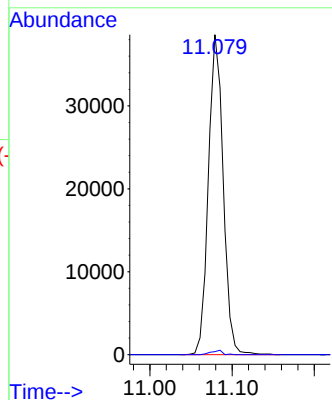
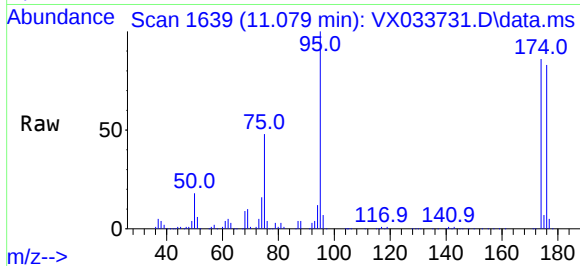




#76
1,2,3-Trichloropropane
Concen: 26.097 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.159 min
Lab File: VX033731.D
Acq: 13 Jan 2023 18:38

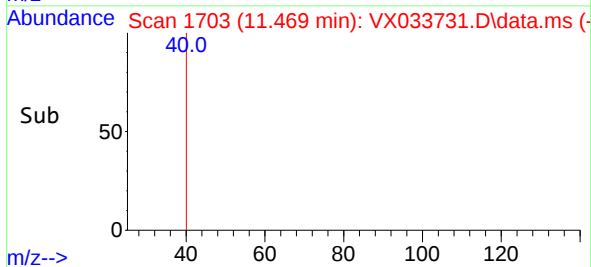
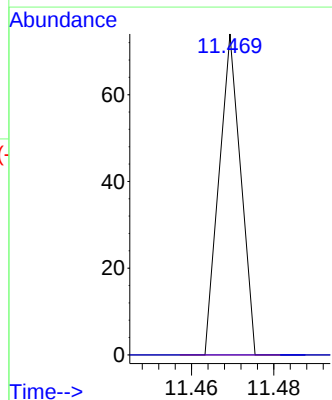
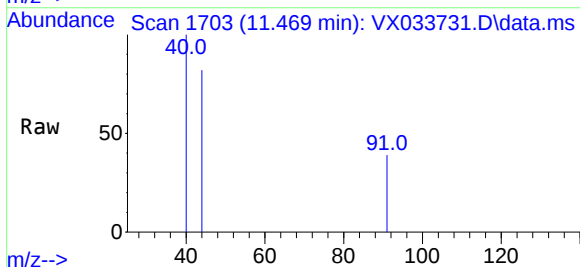
Instrument :
MSVOA_X
ClientSampleId :

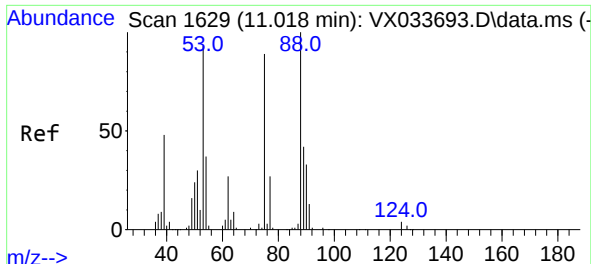
Tgt Ion: 75 Resp: 48313
Ion Ratio Lower Upper
75 100
77 1.1 21.8 65.4#



#79
2-Chlorotoluene
Concen: Below Cal
RT: 11.469 min Scan# 1703
Delta R.T. 0.103 min
Lab File: VX033731.D
Acq: 13 Jan 2023 18:38

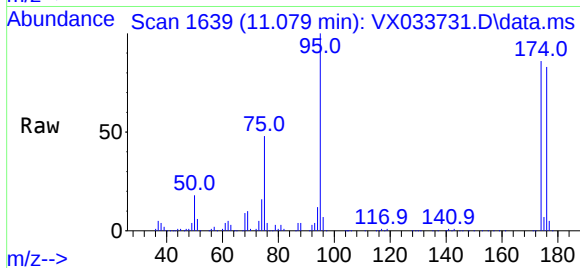
Tgt Ion: 91 Resp: 27
Ion Ratio Lower Upper
91 100
126 0.0 18.1 54.1#



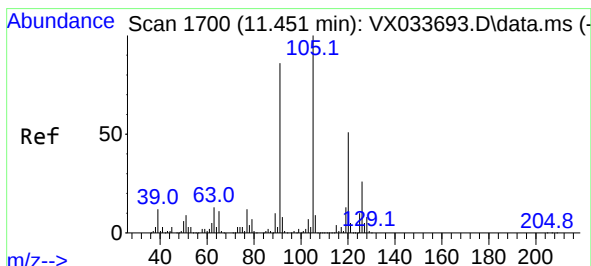
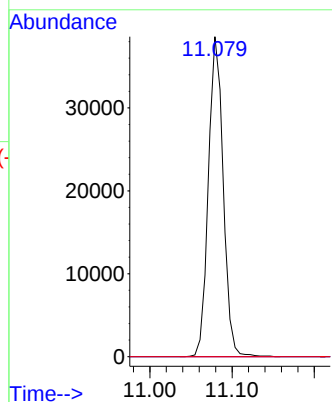
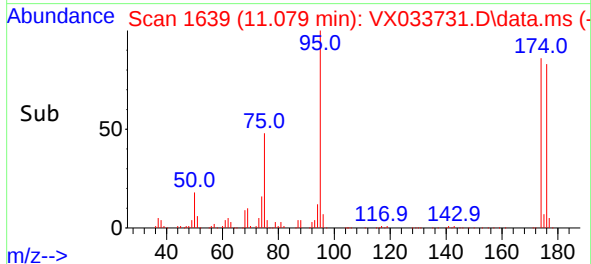


#81
trans-1,4-Dichloro-2-butene
Concen: 81.107 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033731.D
Acq: 13 Jan 2023 18:38

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 48313
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#



#82
4-Chlorotoluene
Concen: Below Cal
RT: 11.469 min Scan# 1703
Delta R.T. 0.018 min
Lab File: VX033731.D
Acq: 13 Jan 2023 18:38

Tgt Ion: 91 Resp: 27
Ion Ratio Lower Upper
91 100
126 0.0 15.8 47.4#

