

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011923\
 Data File : VX033805.D
 Acq On : 19 Jan 2023 16:43
 Operator : JC/MD
 Sample : 01214-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

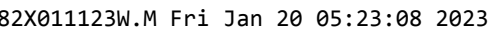
Quant Time: Jan 20 05:23:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	177732	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	258820	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	233050	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	111572	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	88280	47.174	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.340%		
35) Dibromofluoromethane	5.385	113	78301	48.721	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.440%		
50) Toluene-d8	8.647	98	299218	51.099	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	102.200%		
62) 4-Bromofluorobenzene	11.079	95	102981	47.368	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.740%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.989	59	116	0.357	ug/l #	86
16) Acetone	2.392	43	22695	22.076	ug/l	92
17) Carbon Disulfide	2.514	76	175	1.868	ug/l #	76
18) Methyl Acetate	2.703	43	2511	0.961	ug/l	97
20) Methylene Chloride	2.794	84	5699	1.050	ug/l	89
25) 2-Butanone	4.580	43	3267	2.672	ug/l	94
29) Tetrahydrofuran	5.031	42	169	0.219	ug/l #	34
31) Cyclohexane	5.556	56	2717	0.987	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	10779	4.596	ug/l #	49
37) Ethyl Acetate	4.721	43	24101	8.390	ug/l	98
38) Carbon Tetrachloride	5.550	117	15385	6.333	ug/l #	14
43) Isopropyl Acetate	6.336	43	108236	29.230	ug/l	99
48) Methyl methacrylate	7.793	41	89929	48.212	ug/l #	44
49) 1,4-Dioxane	7.787	88	130	3.151	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	81540	35.856	ug/l #	51
53) t-1,3-Dichloropropene	8.958	75	638	0.277	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	39039	15.112	ug/l #	59
56) Ethyl methacrylate	9.244	69	598	0.243	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	5087	1.795	ug/l #	43
59) 2-Hexanone	9.482	43	66790	42.197	ug/l #	50
73) Isopropylbenzene	11.085	105	151	Below Cal	#	48
74) N-amyl acetate	10.640	43	24365	8.316	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	48135	23.481	ug/l #	34
79) 2-Chlorotoluene	11.311	91	20	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	48135	72.976	ug/l #	8
82) 4-Chlorotoluene	11.311	91	20	Below Cal	#	43

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

Quant Time: Jan 20 05:23:02 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

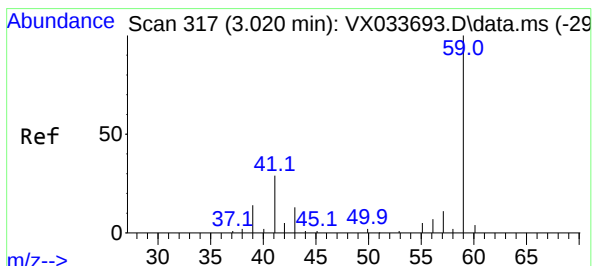
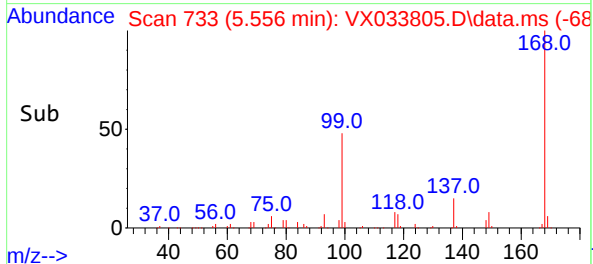
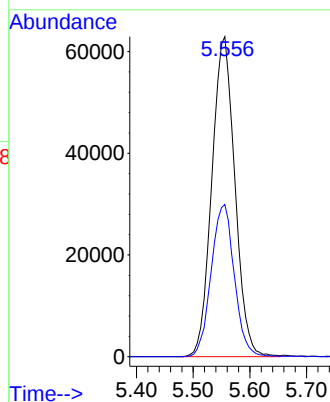
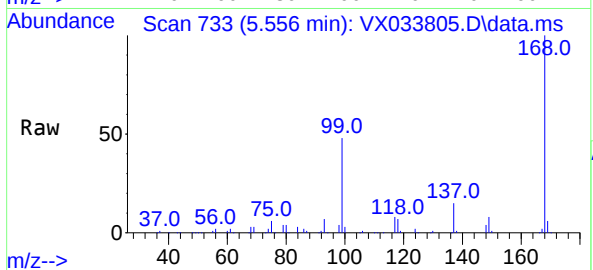




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX033805.D
Acq: 19 Jan 2023 16:43

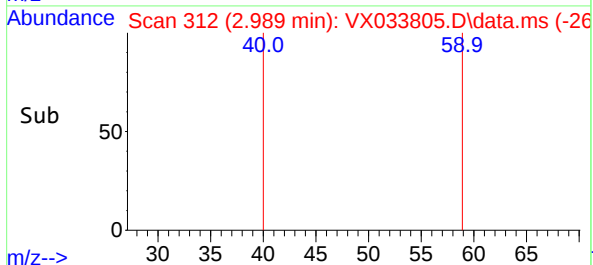
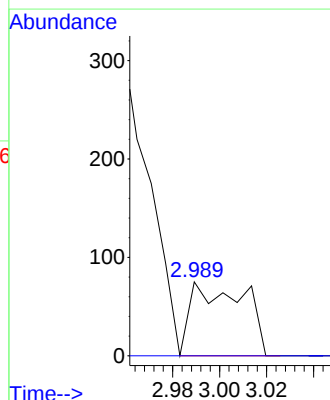
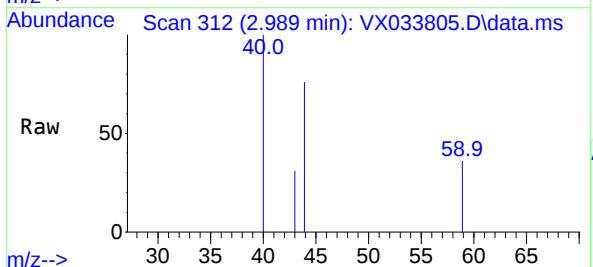
Instrument :
MSVOA_X
ClientSampleId :

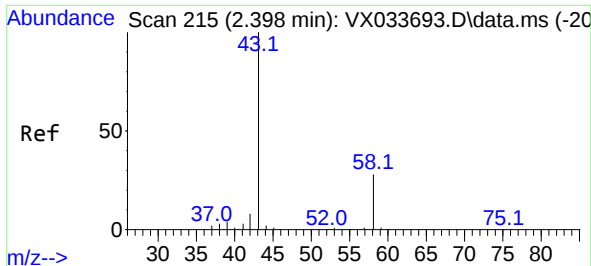
Tgt Ion:168 Resp: 177732
Ion Ratio Lower Upper
168 100
99 47.6 39.6 59.4



#11
Tert butyl alcohol
Concen: 0.357 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.031 min
Lab File: VX033805.D
Acq: 19 Jan 2023 16:43

Tgt Ion: 59 Resp: 116
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#

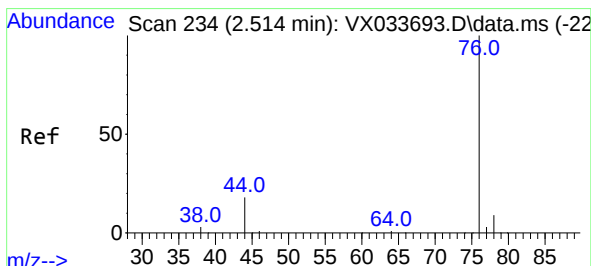
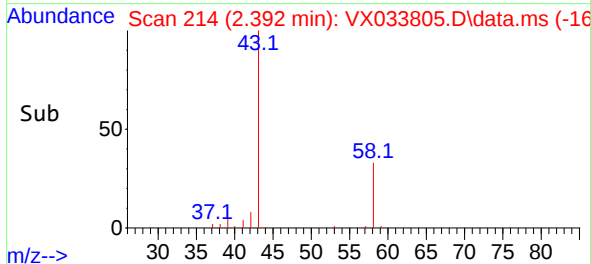
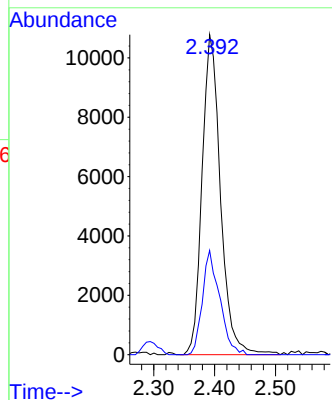
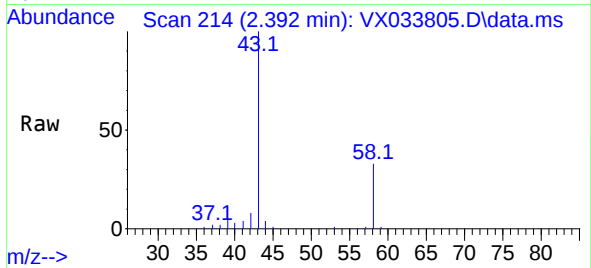




#16
Acetone
Concen: 22.076 ug/l
RT: 2.392 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX033805.D
Acq: 19 Jan 2023 16:43

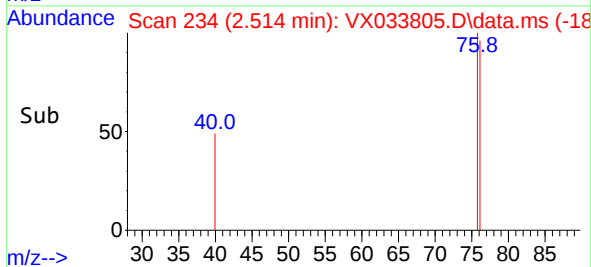
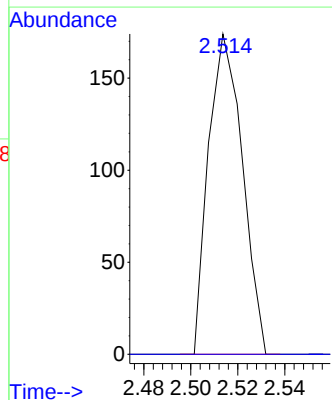
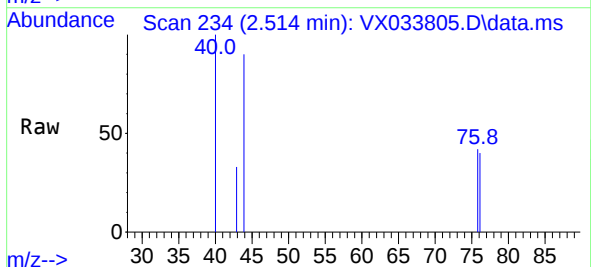
Instrument :
MSVOA_X
ClientSampleId :

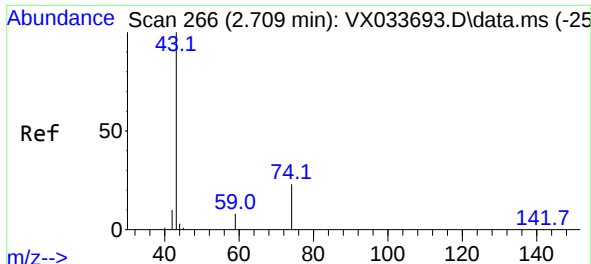
Tgt Ion: 43 Resp: 22695
Ion Ratio Lower Upper
43 100
58 32.6 22.6 33.8



#17
Carbon Disulfide
Concen: 1.868 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX033805.D
Acq: 19 Jan 2023 16:43

Tgt Ion: 76 Resp: 175
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

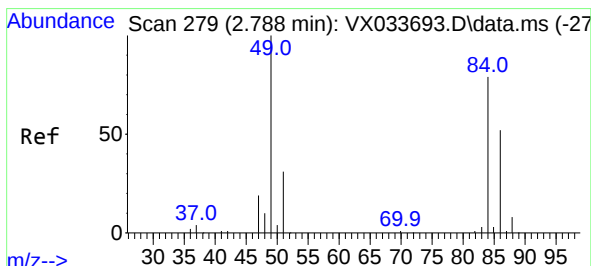
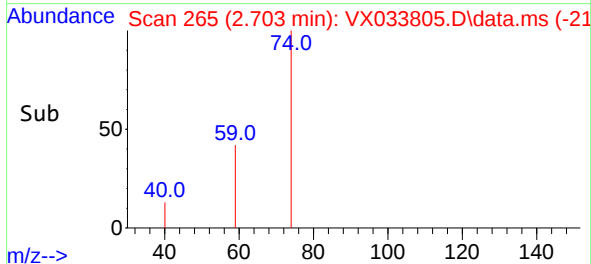
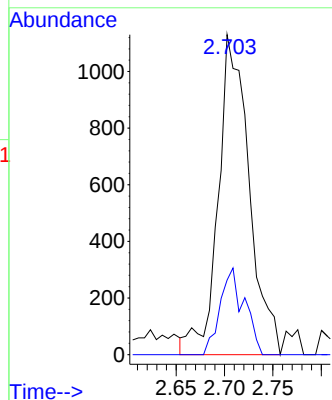
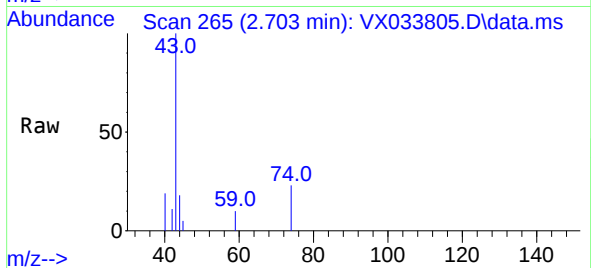




#18
Methyl Acetate
Concen: 0.961 ug/l
RT: 2.703 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX033805.D
Acq: 19 Jan 2023 16:43

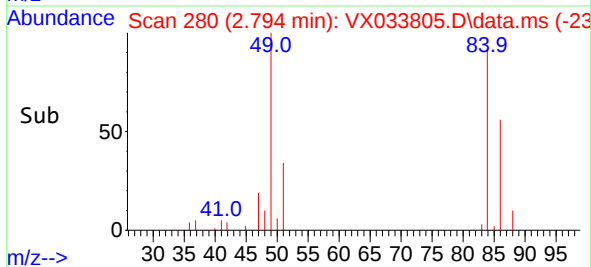
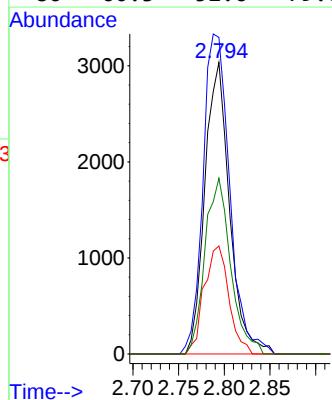
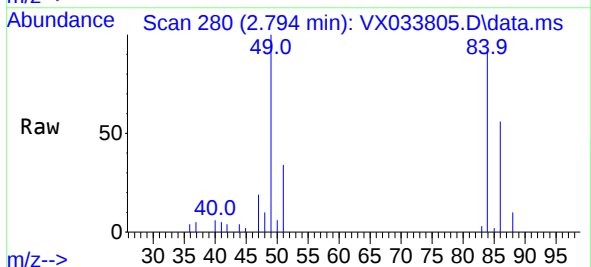
Instrument :
MSVOA_X
ClientSampleId :

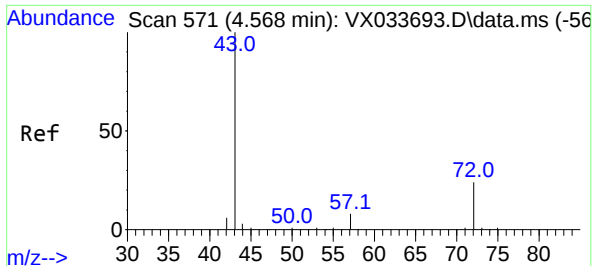
Tgt Ion: 43 Resp: 2511
Ion Ratio Lower Upper
43 100
74 21.2 18.2 27.4



#20
Methylene Chloride
Concen: 1.050 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX033805.D
Acq: 19 Jan 2023 16:43

Tgt Ion: 84 Resp: 5699
Ion Ratio Lower Upper
84 100
49 108.6 101.1 151.7
51 37.1 31.0 46.6
86 60.3 52.6 79.0

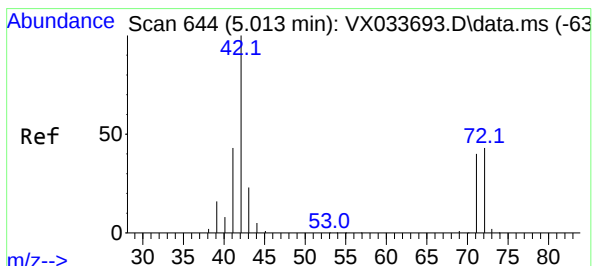
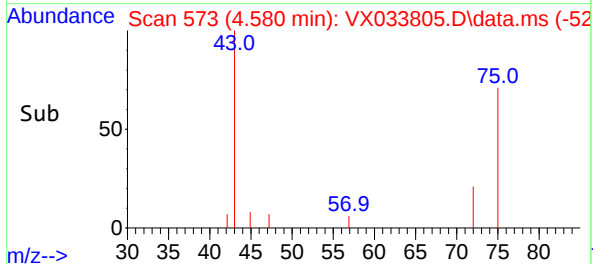
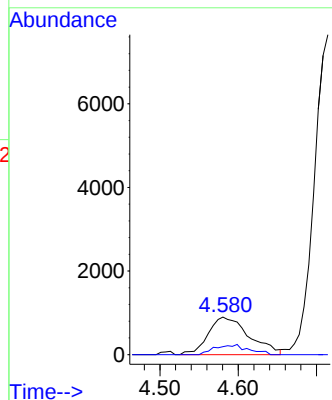
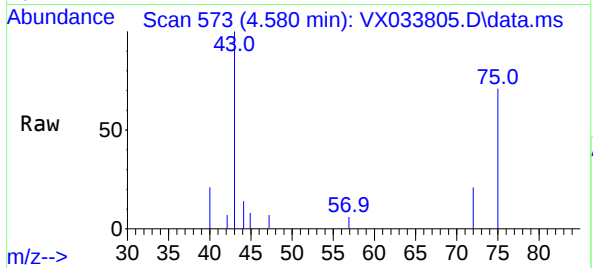




#25
2-Butanone
Concen: 2.672 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX033805.D
Acq: 19 Jan 2023 16:43

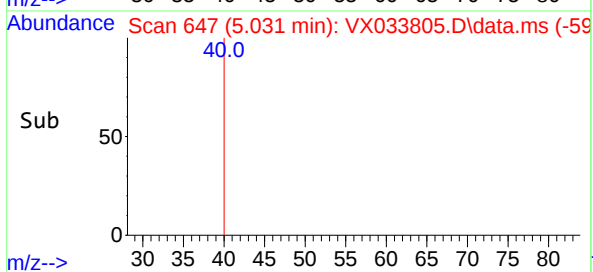
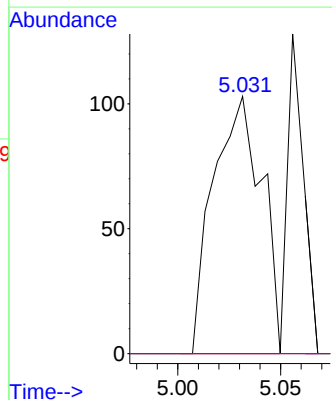
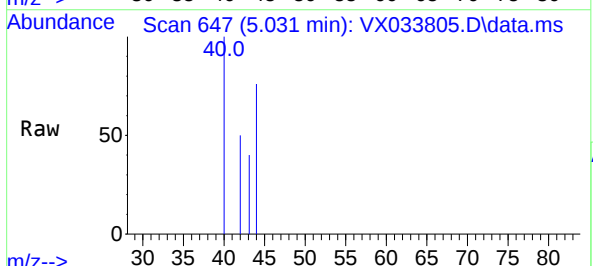
Instrument :
MSVOA_X
ClientSampleId :

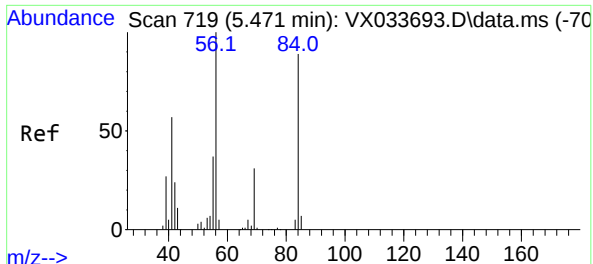
Tgt Ion: 43 Resp: 3267
Ion Ratio Lower Upper
43 100
72 21.4 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.219 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.018 min
Lab File: VX033805.D
Acq: 19 Jan 2023 16:43

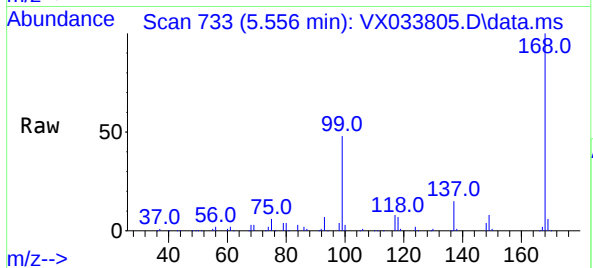
Tgt Ion: 42 Resp: 169
Ion Ratio Lower Upper
42 100
72 0.0 34.8 52.2#
71 0.0 32.2 48.2#



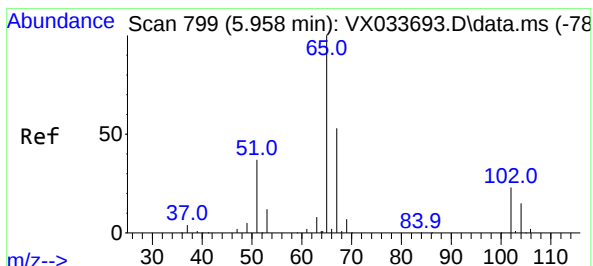
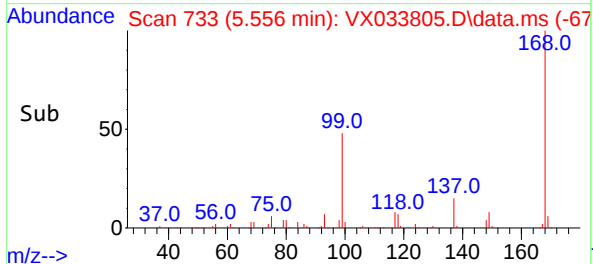
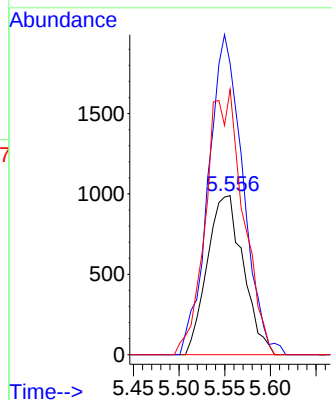


#31
Cyclohexane
Concen: 0.987 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX033805.D
Acq: 19 Jan 2023 16:43

Instrument :
MSVOA_X
ClientSampleId :

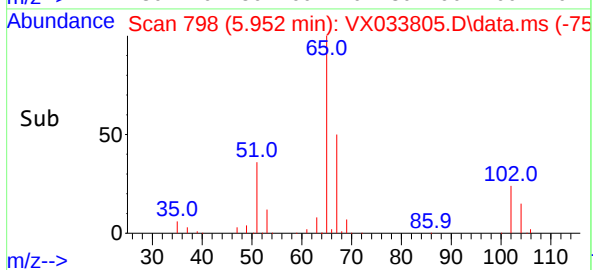
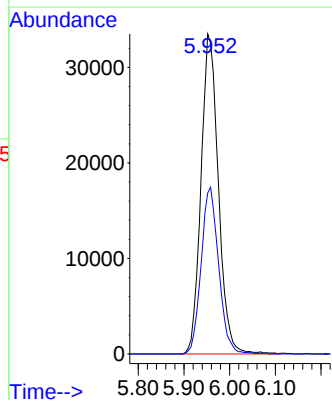
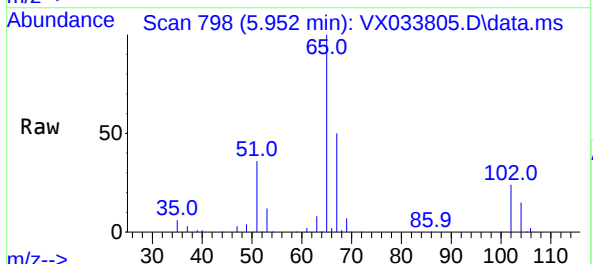


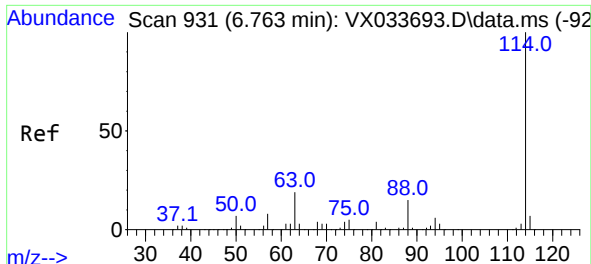
Tgt Ion: 56 Resp: 2717
Ion Ratio Lower Upper
56 100
69 183.1 24.6 37.0#
84 166.9 71.0 106.6#



#33
1,2-Dichloroethane-d4
Concen: 47.174 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX033805.D
Acq: 19 Jan 2023 16:43

Tgt Ion: 65 Resp: 88280
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.8

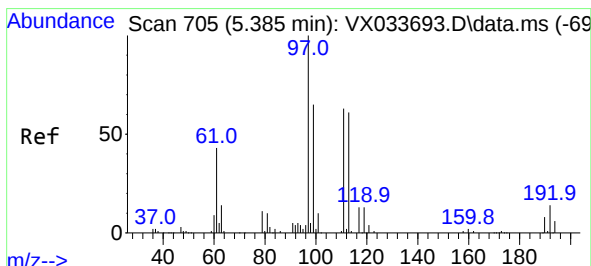
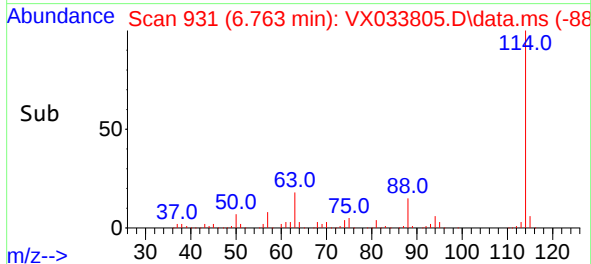
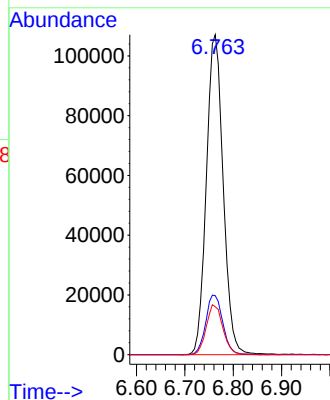
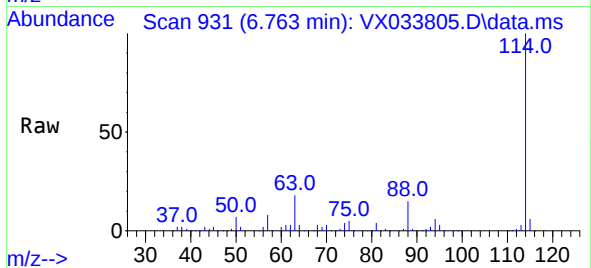




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX033805.D
Acq: 19 Jan 2023 16:43

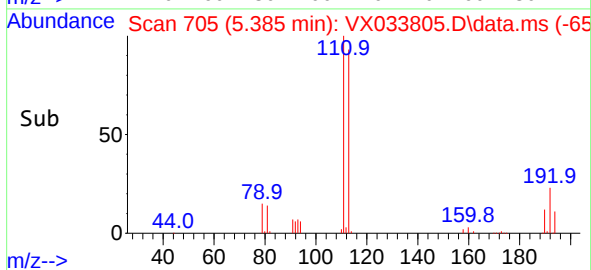
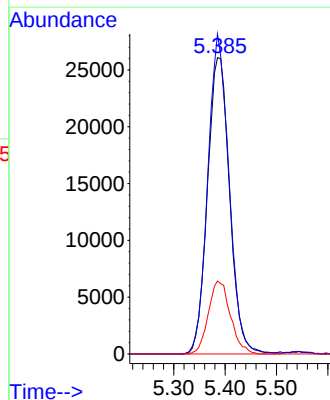
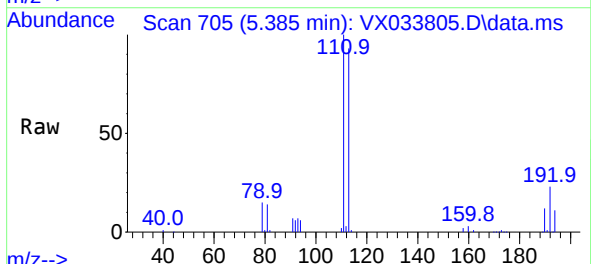
Instrument :
MSVOA_X
ClientSampleId :

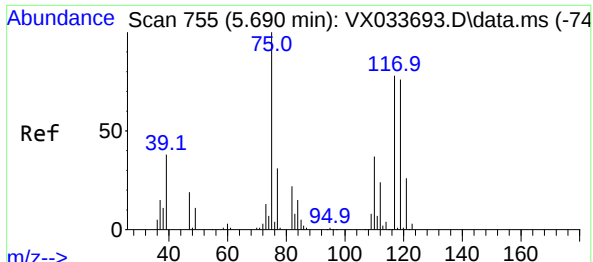
Tgt Ion:114 Resp: 258820
Ion Ratio Lower Upper
114 100
63 18.5 0.0 37.4
88 15.0 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.721 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033805.D
Acq: 19 Jan 2023 16:43

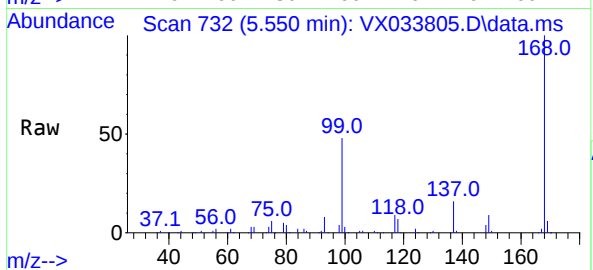
Tgt Ion:113 Resp: 78301
Ion Ratio Lower Upper
113 100
111 103.0 83.0 124.6
192 24.4 19.0 28.4



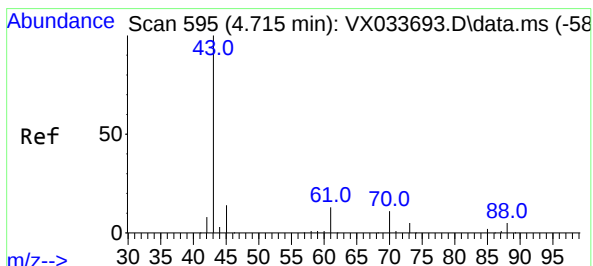
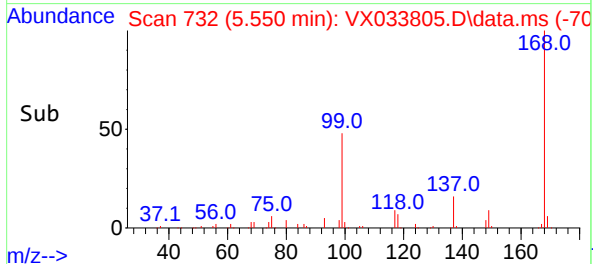
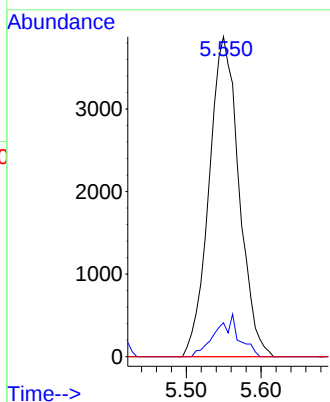


#36
1,1-Dichloropropene
Concen: 4.596 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX033805.D
Acq: 19 Jan 2023 16:43

Instrument :
MSVOA_X
ClientSampleId :

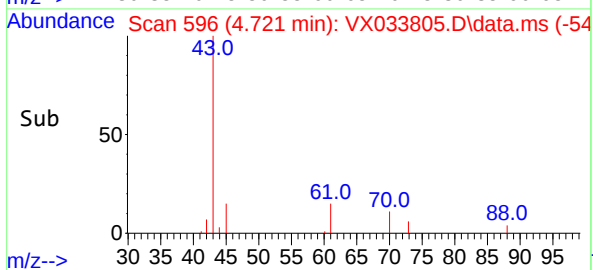
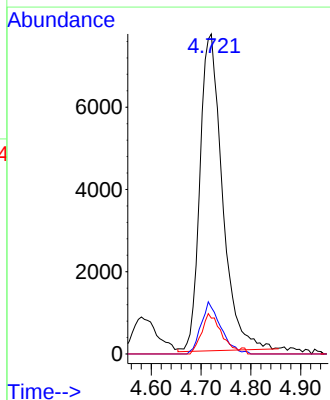
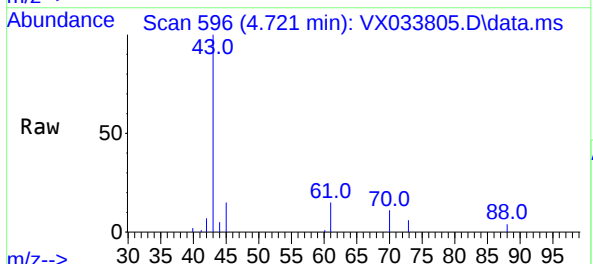


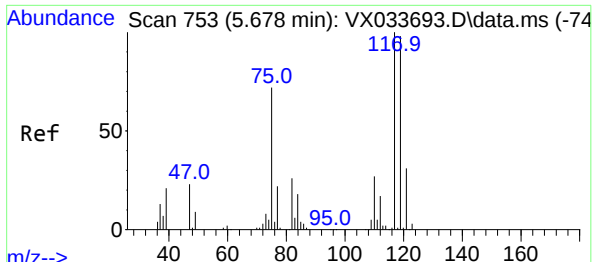
Tgt Ion: 75 Resp: 10779
Ion Ratio Lower Upper
75 100
110 10.4 18.8 56.4#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 8.390 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.006 min
Lab File: VX033805.D
Acq: 19 Jan 2023 16:43

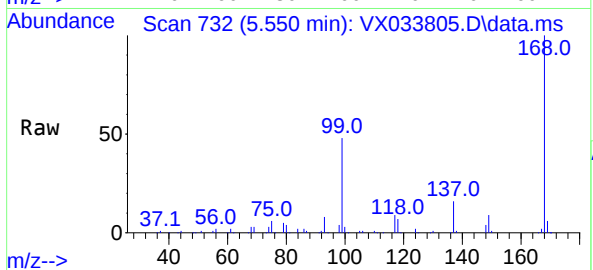
Tgt Ion: 43 Resp: 24101
Ion Ratio Lower Upper
43 100
61 14.5 11.1 16.7
70 11.2 8.5 12.7



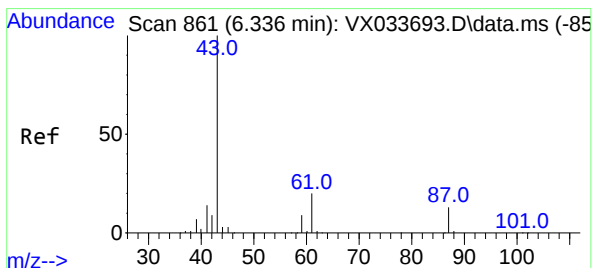
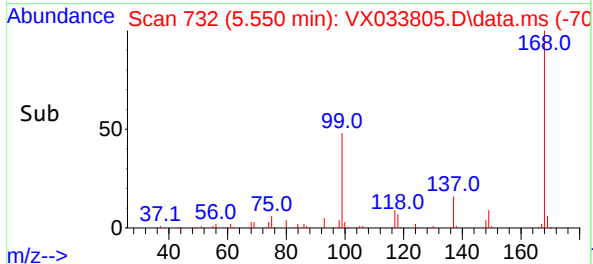
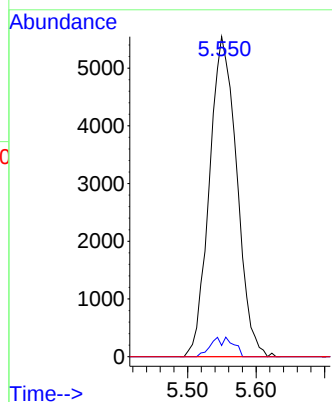


#38
Carbon Tetrachloride
Concen: 6.333 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX033805.D
Acq: 19 Jan 2023 16:43

Instrument :
MSVOA_X
ClientSampleId :

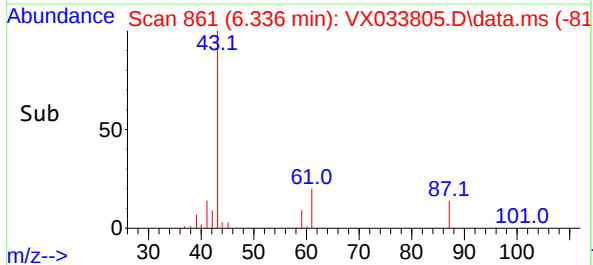
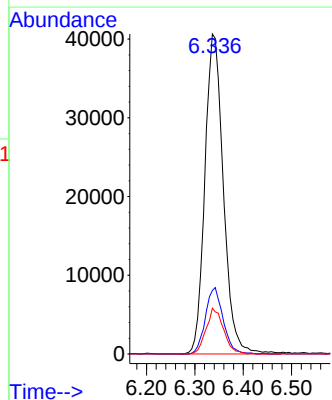
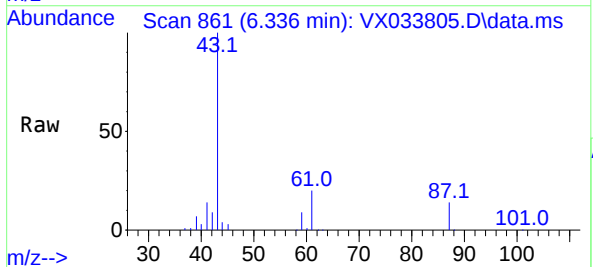


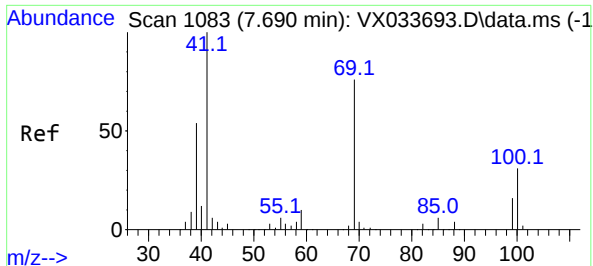
Tgt Ion:117 Resp: 15385
Ion Ratio Lower Upper
117 100
119 3.5 78.0 117.0#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 29.230 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX033805.D
Acq: 19 Jan 2023 16:43

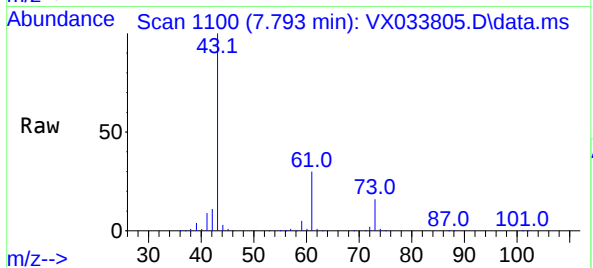
Tgt Ion: 43 Resp: 108236
Ion Ratio Lower Upper
43 100
61 19.9 15.7 23.5
87 13.5 10.6 15.8



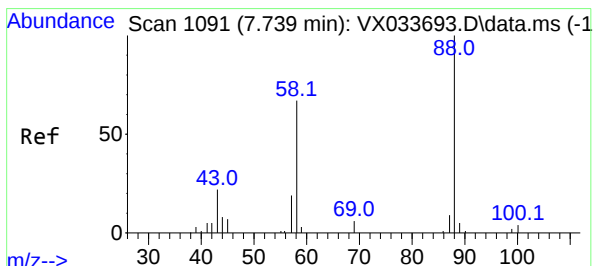
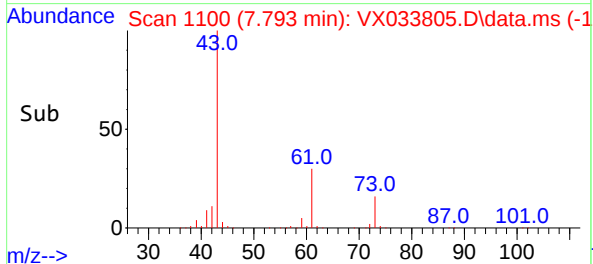
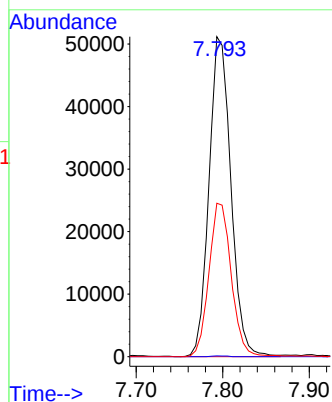


#48
Methyl methacrylate
Concen: 48.212 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX033805.D
Acq: 19 Jan 2023 16:43

Instrument :
MSVOA_X
ClientSampleId :

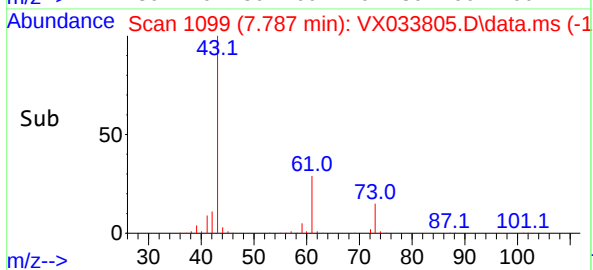
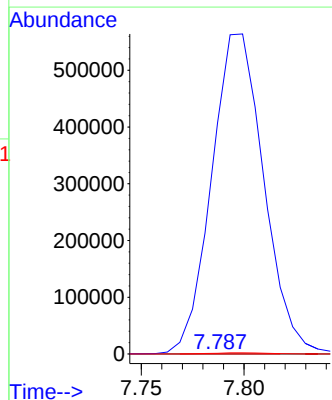
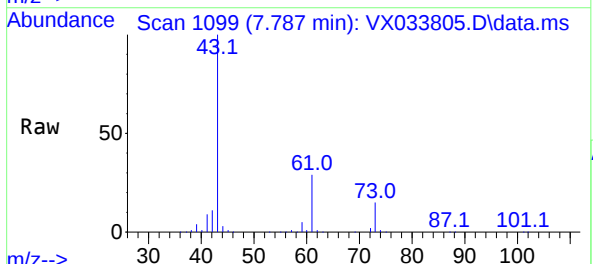


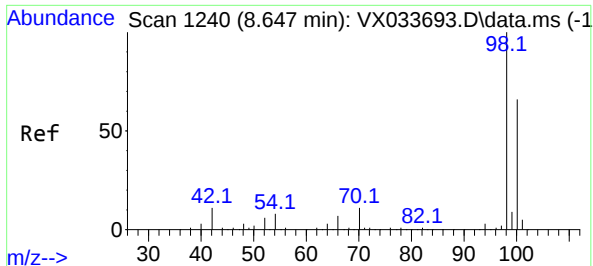
Tgt Ion: 41 Resp: 89929
Ion Ratio Lower Upper
41 100
69 0.2 63.1 94.7#
39 49.2 43.2 64.8



#49
1,4-Dioxane
Concen: 3.151 ug/l
RT: 7.787 min Scan# 1099
Delta R.T. 0.049 min
Lab File: VX033805.D
Acq: 19 Jan 2023 16:43

Tgt Ion: 88 Resp: 130
Ion Ratio Lower Upper
88 100
43 774194.6 0.0 0.0#
58 3007.7 56.5 84.7#

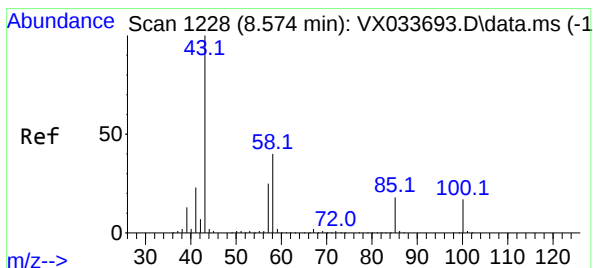
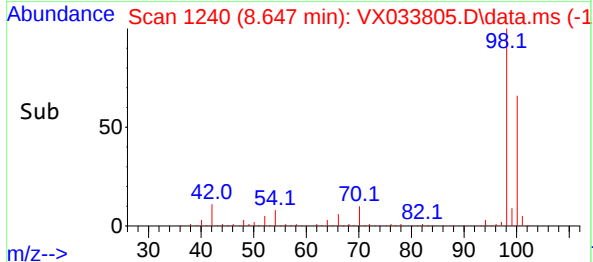
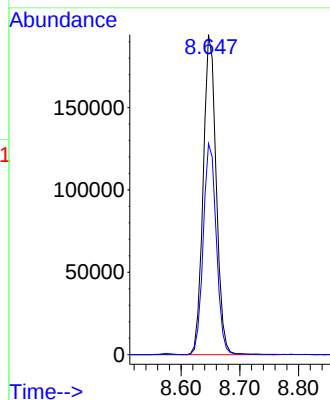
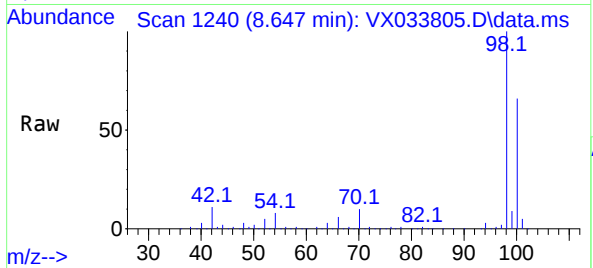




#50
Toluene-d8
Concen: 51.099 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033805.D
Acq: 19 Jan 2023 16:43

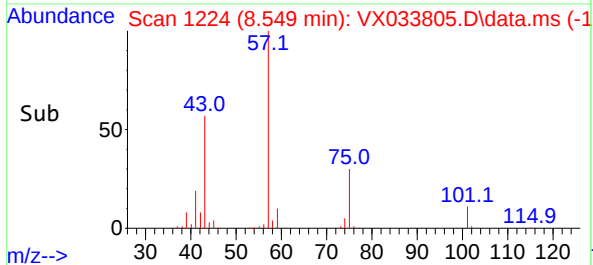
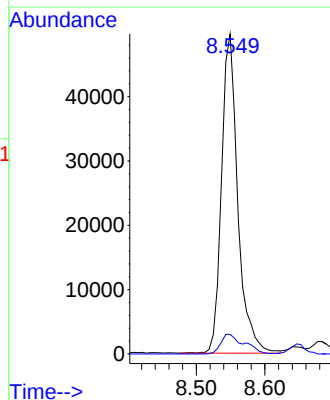
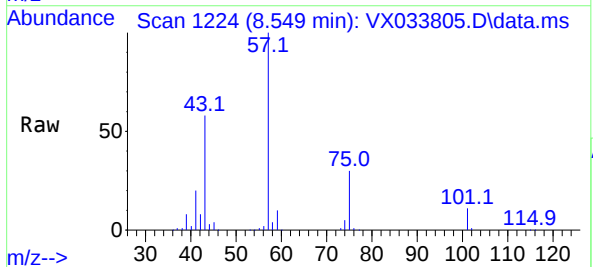
Instrument :
MSVOA_X
ClientSampleId :

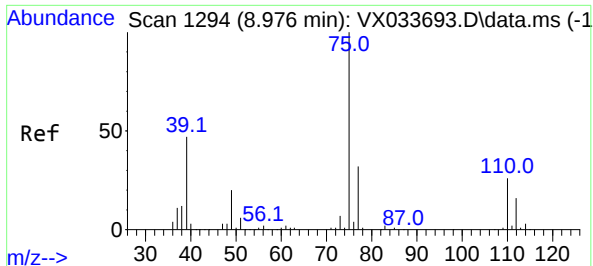
Tgt Ion: 98 Resp: 299218
Ion Ratio Lower Upper
98 100
100 66.7 53.6 80.4



#51
4-Methyl-2-Pentanone
Concen: 35.856 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX033805.D
Acq: 19 Jan 2023 16:43

Tgt Ion: 43 Resp: 81540
Ion Ratio Lower Upper
43 100
58 8.9 31.2 46.8#





#53

t-1,3-Dichloropropene

Concen: 0.277 ug/l

RT: 8.958 min Scan# 11

Delta R.T. -0.018 min

Lab File: VX033805.D

Acq: 19 Jan 2023 16:43

Instrument :

MSVOA_X

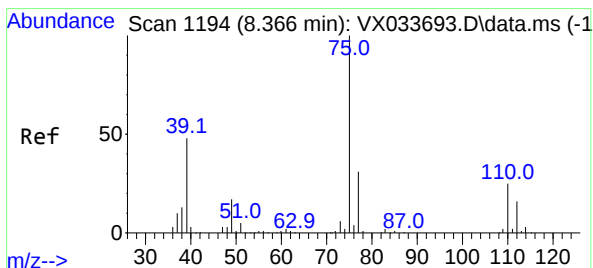
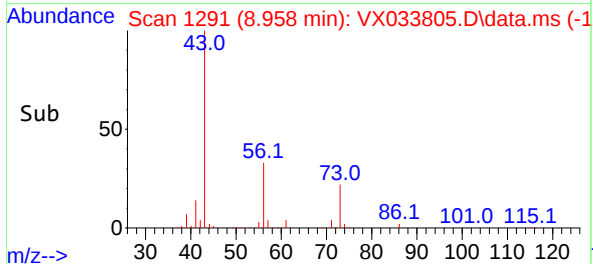
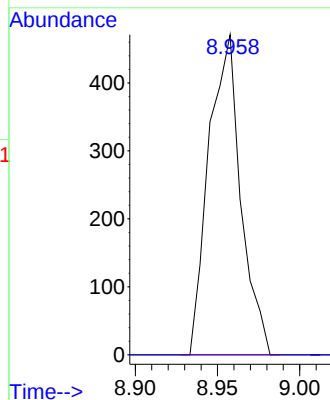
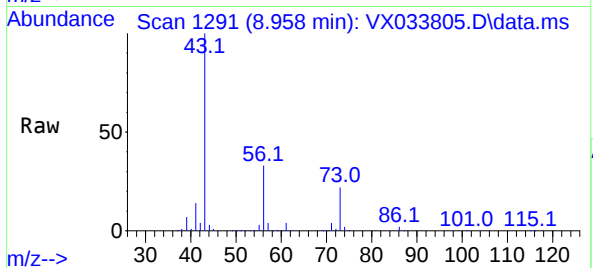
ClientSampleId :

Tgt Ion: 75 Resp: 638

Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#



#54

cis-1,3-Dichloropropene

Concen: 15.112 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX033805.D

Acq: 19 Jan 2023 16:43

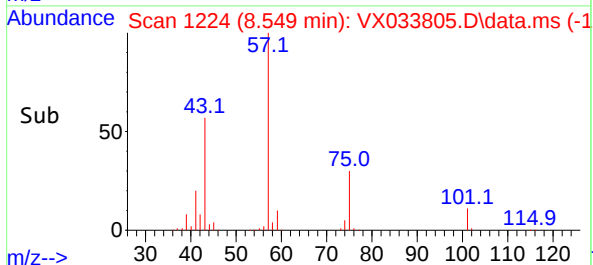
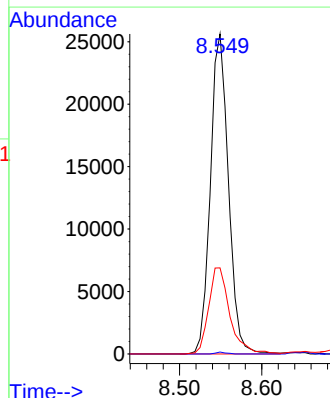
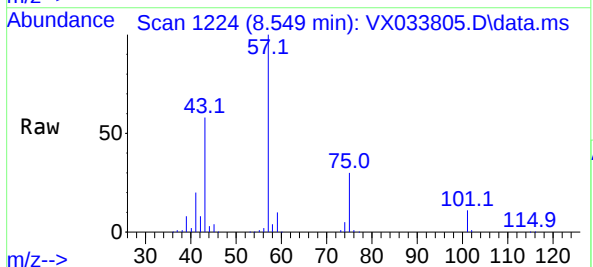
Tgt Ion: 75 Resp: 39039

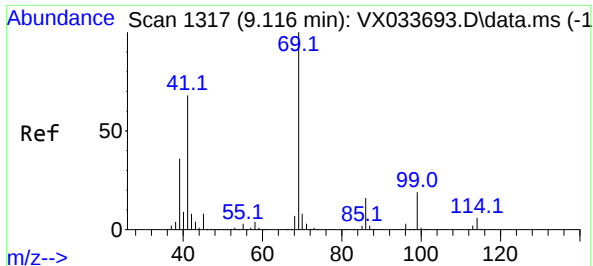
Ion Ratio Lower Upper

75 100

77 0.6 25.0 37.6#

39 26.9 38.6 58.0#





#56

Ethyl methacrylate

Concen: 0.243 ug/l

RT: 9.244 min Scan# 1

Delta R.T. 0.128 min

Lab File: VX033805.D

Acq: 19 Jan 2023 16:43

Instrument :

MSVOA_X

ClientSampleId :

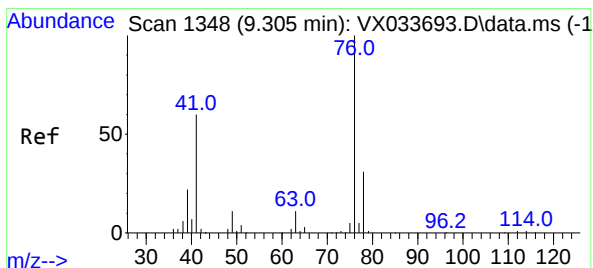
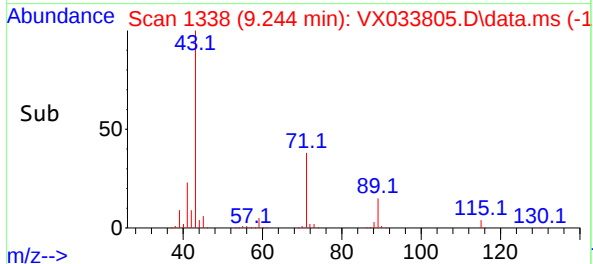
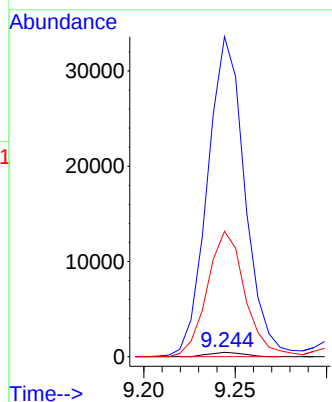
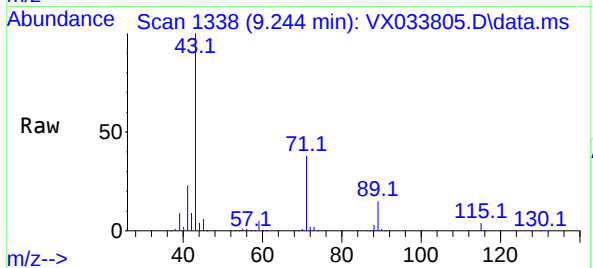
Tgt Ion: 69 Resp: 598

Ion Ratio Lower Upper

69 100

41 8075.8 55.1 82.7#

39 3183.9 28.5 42.7#



#57

1,3-Dichloropropane

Concen: 1.795 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX033805.D

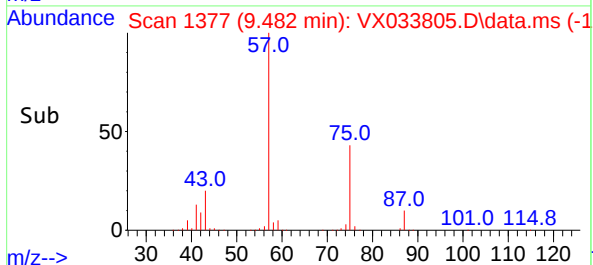
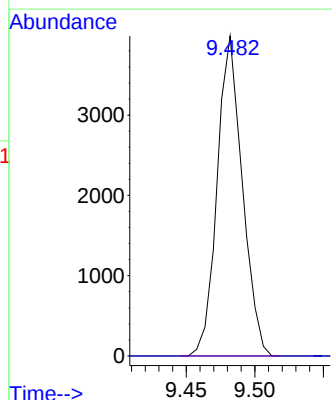
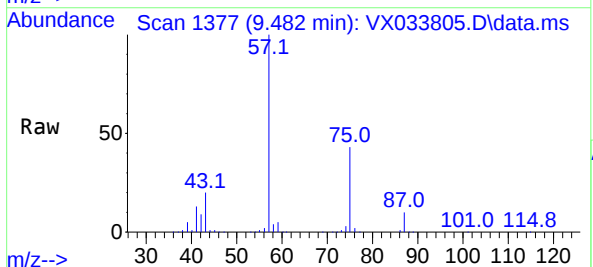
Acq: 19 Jan 2023 16:43

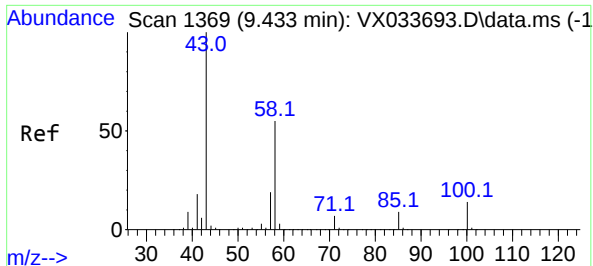
Tgt Ion: 76 Resp: 5087

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#





#59

2-Hexanone

Concen: 42.197 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX033805.D

Acq: 19 Jan 2023 16:43

Instrument :

MSVOA_X

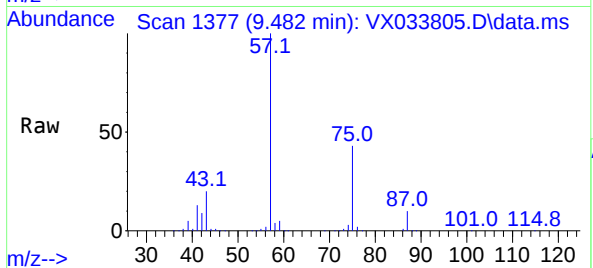
ClientSampleId :

Tgt Ion: 43 Resp: 66790

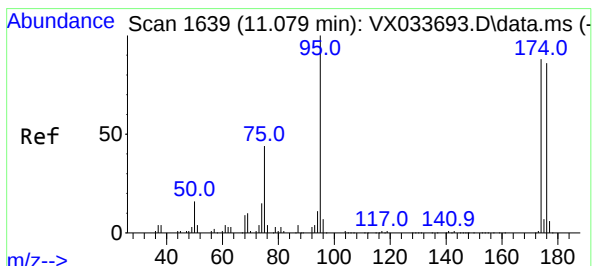
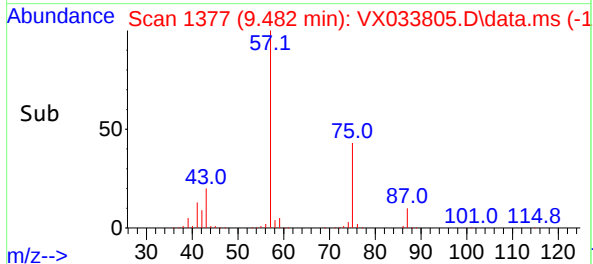
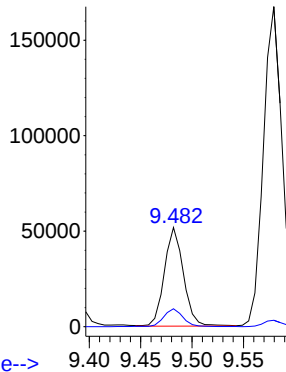
Ion Ratio Lower Upper

43 100

58 18.7 27.4 82.0#



Abundance



#62

4-Bromofluorobenzene

Concen: 47.368 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX033805.D

Acq: 19 Jan 2023 16:43

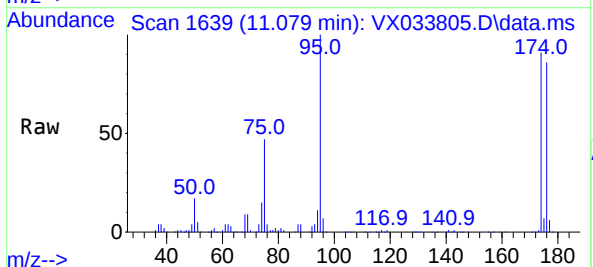
Tgt Ion: 95 Resp: 102981

Ion Ratio Lower Upper

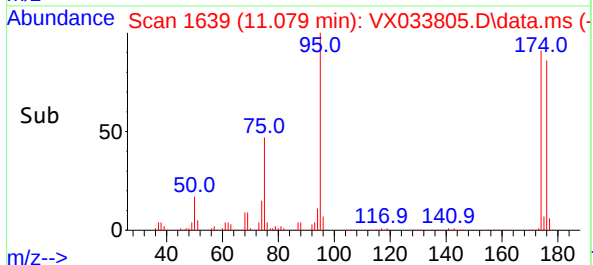
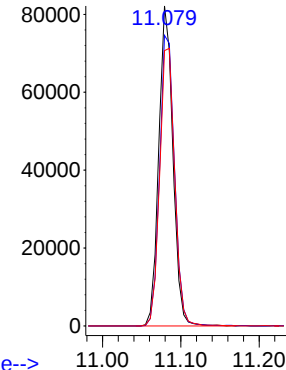
95 100

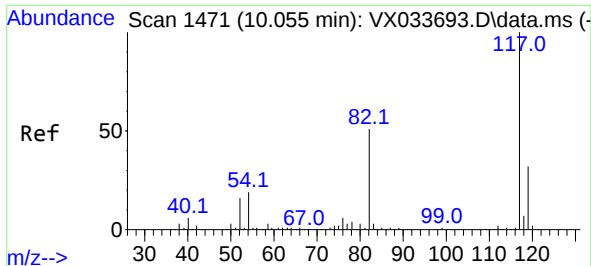
174 95.5 0.0 184.4

176 92.7 0.0 178.8



Abundance

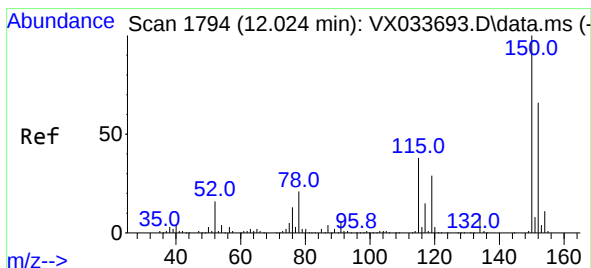
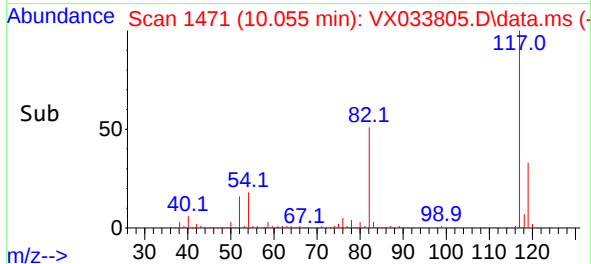
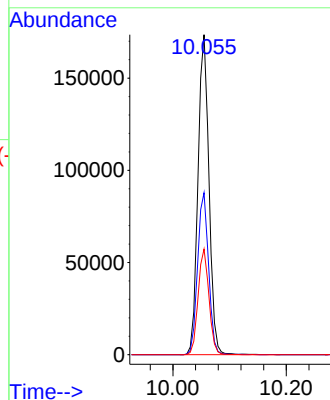
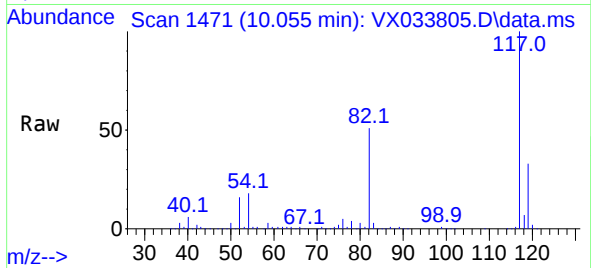




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033805.D
Acq: 19 Jan 2023 16:43

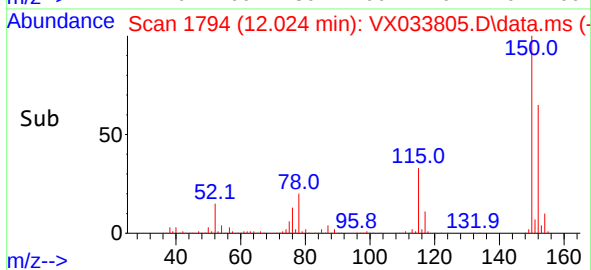
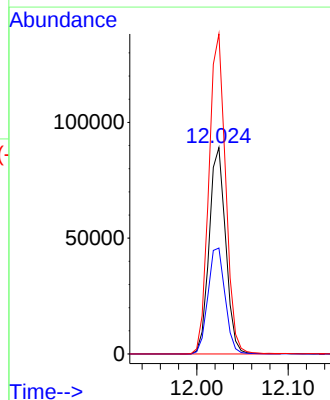
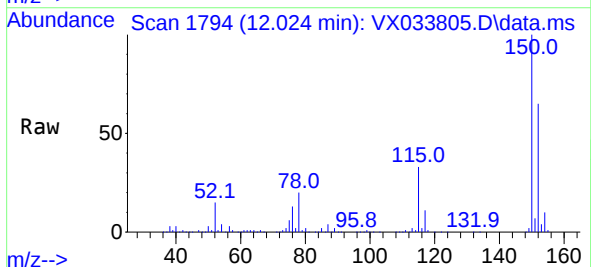
Instrument :
MSVOA_X
ClientSampleId :

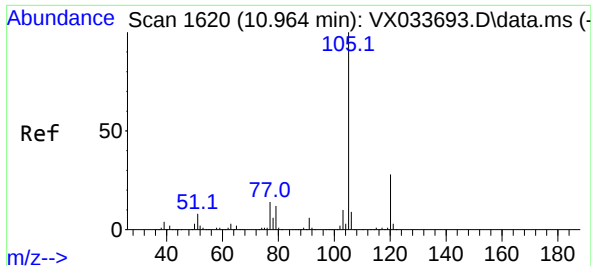
Tgt Ion:117 Resp: 233050
Ion Ratio Lower Upper
117 100
82 50.6 40.6 60.8
119 33.0 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX033805.D
Acq: 19 Jan 2023 16:43

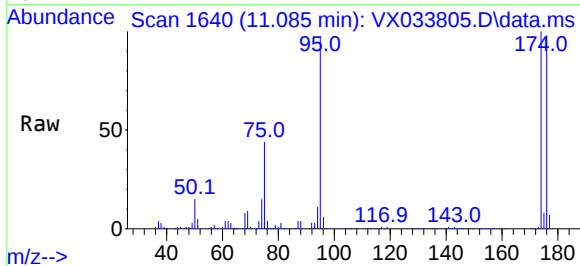
Tgt Ion:152 Resp: 111572
Ion Ratio Lower Upper
152 100
115 53.5 38.7 116.1
150 157.5 0.0 348.2



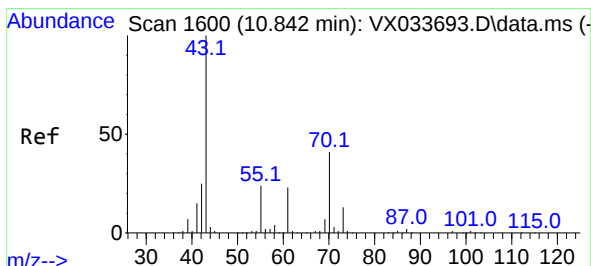
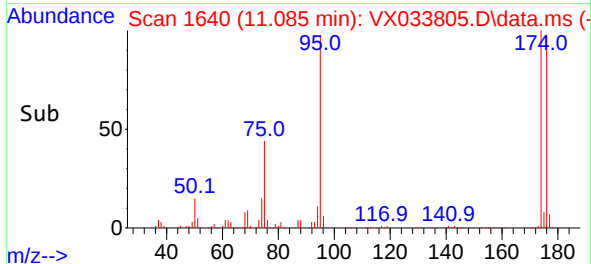
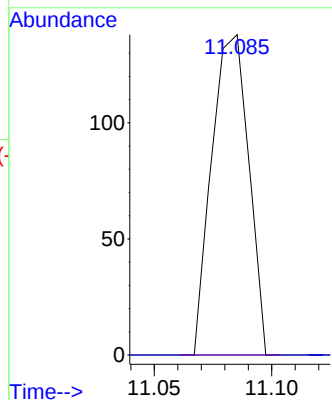


#73
Isopropylbenzene
Concen: Below Cal
RT: 11.085 min Scan# 1
Delta R.T. 0.121 min
Lab File: VX033805.D
Acq: 19 Jan 2023 16:43

Instrument :
MSVOA_X
ClientSampleId :

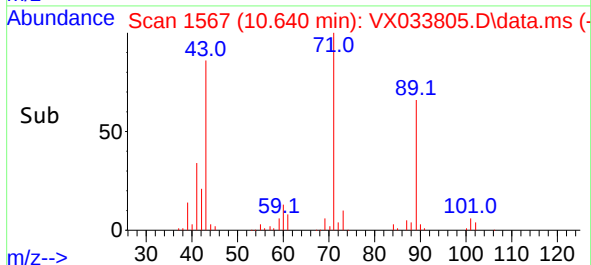
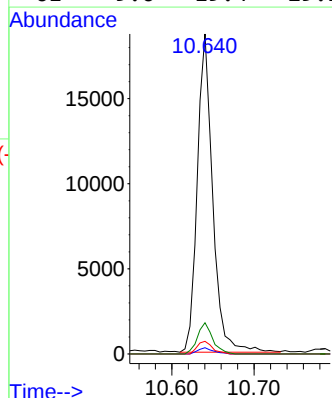
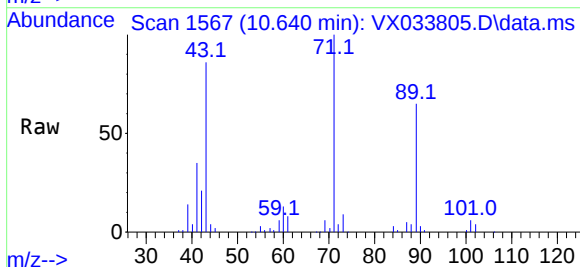


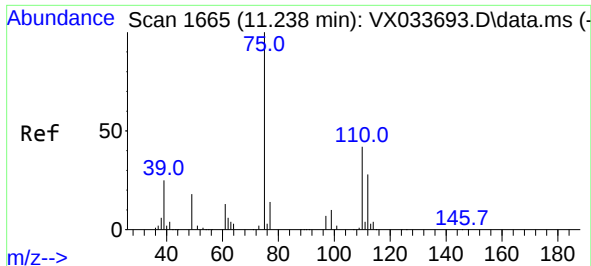
Tgt Ion:105 Resp: 151
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.8#



#74
N-ethyl acetate
Concen: 8.316 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX033805.D
Acq: 19 Jan 2023 16:43

Tgt Ion: 43 Resp: 24365
Ion Ratio Lower Upper
43 100
70 1.9 34.8 52.2#
55 3.9 19.4 29.0#
61 9.6 19.4 29.2#

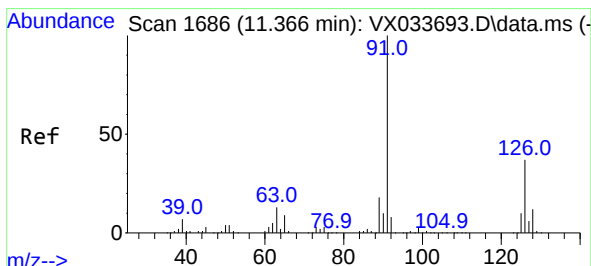
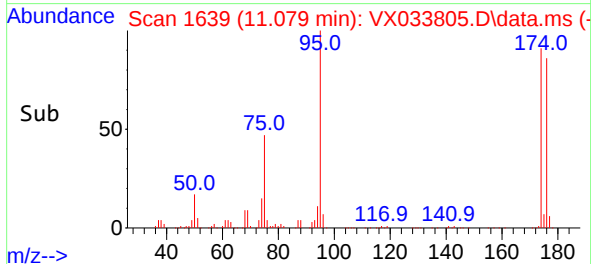
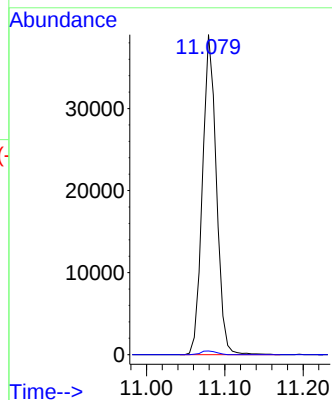
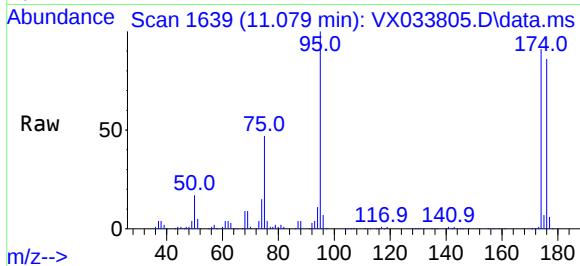




#76
1,2,3-Trichloropropane
Concen: 23.481 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.159 min
Lab File: VX033805.D
Acq: 19 Jan 2023 16:43

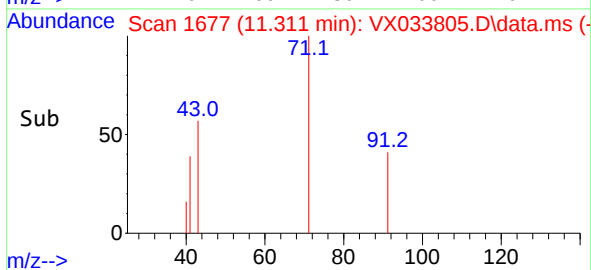
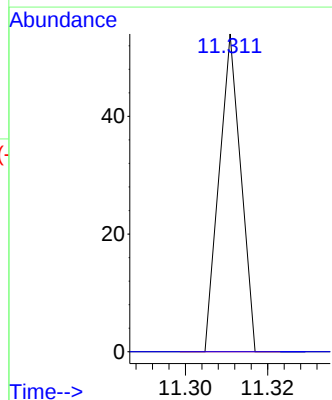
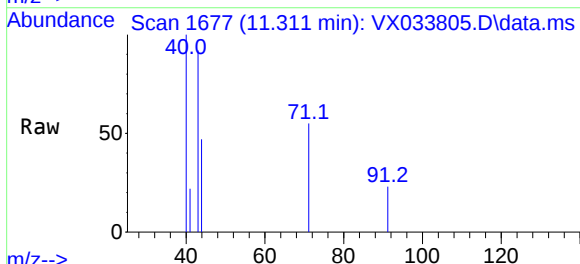
Instrument :
MSVOA_X
ClientSampleId :

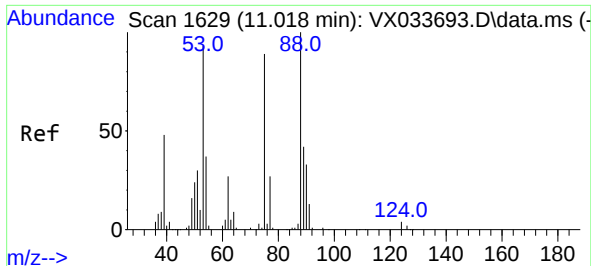
Tgt Ion: 75 Resp: 48135
Ion Ratio Lower Upper
75 100
77 1.3 21.8 65.4#



#79
2-Chlorotoluene
Concen: Below Cal
RT: 11.311 min Scan# 1677
Delta R.T. -0.055 min
Lab File: VX033805.D
Acq: 19 Jan 2023 16:43

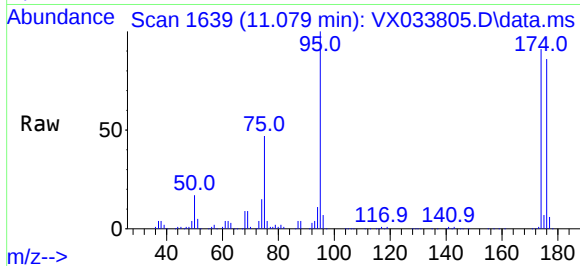
Tgt Ion: 91 Resp: 20
Ion Ratio Lower Upper
91 100
126 0.0 18.1 54.1#



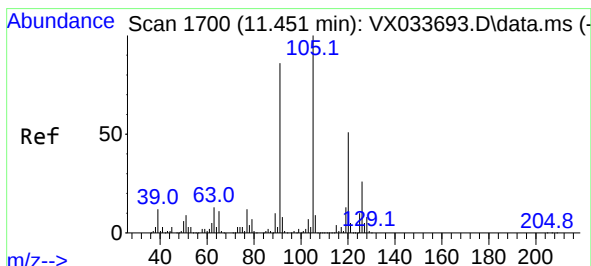
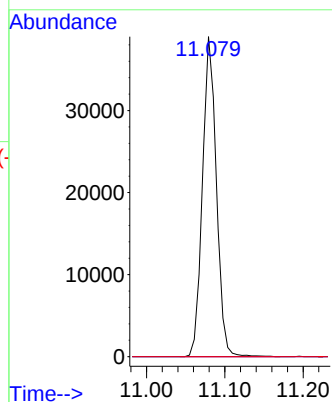
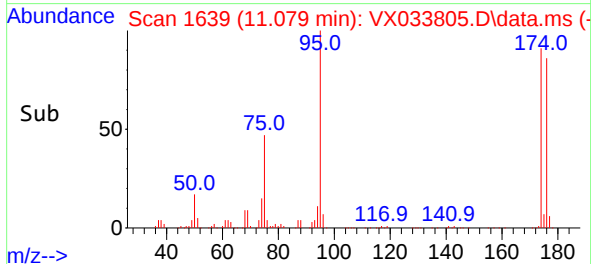


#81
trans-1,4-Dichloro-2-butene
Concen: 72.976 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033805.D
Acq: 19 Jan 2023 16:43

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 48135
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: 11.311 min Scan# 1677
Delta R.T. -0.140 min
Lab File: VX033805.D
Acq: 19 Jan 2023 16:43

Tgt Ion: 91 Resp: 20
Ion Ratio Lower Upper
91 100
126 0.0 15.8 47.4#

