

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011923\
 Data File : VX033813.D
 Acq On : 19 Jan 2023 19:49
 Operator : JC/MD
 Sample : 01220-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

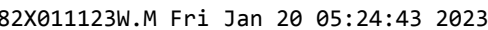
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 20 05:24:36 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	175692	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	260011	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230461	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	112849	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	87088	47.078	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.160%
35) Dibromofluoromethane	5.385	113	78543	48.648	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.300%
50) Toluene-d8	8.647	98	295248	50.190	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.380%
62) 4-Bromofluorobenzene	11.079	95	103307	47.300	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.600%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.014	59	73	0.227	ug/l #	86
16) Acetone	2.392	43	24400	25.153	ug/l	94
17) Carbon Disulfide	2.514	76	122	1.855	ug/l #	76
18) Methyl Acetate	2.709	43	2578	0.999	ug/l	95
20) Methylene Chloride	2.788	84	5275	0.815	ug/l	86
25) 2-Butanone	4.580	43	3462	2.864	ug/l	98
31) Cyclohexane	5.550	56	2663	0.978	ug/l #	14
36) 1,1-Dichloropropene	5.550	75	10552	4.478	ug/l #	50
37) Ethyl Acetate	4.715	43	24406	8.482	ug/l	99
38) Carbon Tetrachloride	5.550	117	15248	6.248	ug/l #	15
43) Isopropyl Acetate	6.336	43	107694	28.951	ug/l	98
48) Methyl methacrylate	7.793	41	90030	48.045	ug/l #	44
49) 1,4-Dioxane	7.799	88	167	4.029	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	81368	35.616	ug/l #	51
53) t-1,3-Dichloropropene	8.952	75	711	0.307	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	39219	15.112	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	4972	1.747	ug/l #	43
59) 2-Hexanone	9.482	43	67473	42.433	ug/l #	51
73) Isopropylbenzene	11.079	105	121	Below Cal	#	48
74) N-amyl acetate	10.640	43	24930	8.413	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	48286	23.288	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	48286	72.376	ug/l #	8

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

Quant Time: Jan 20 05:24:36 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

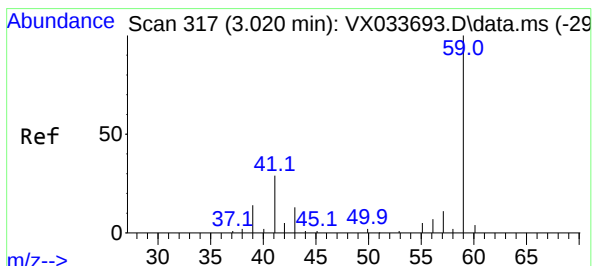
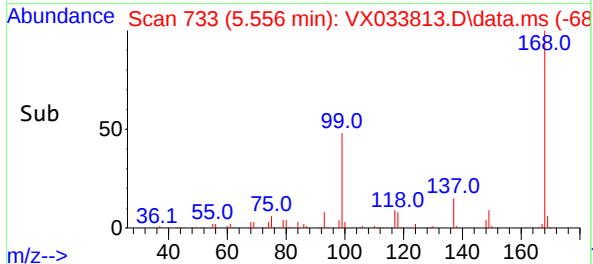
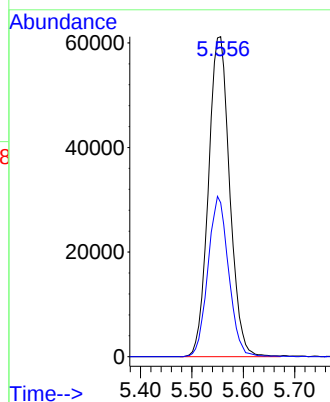
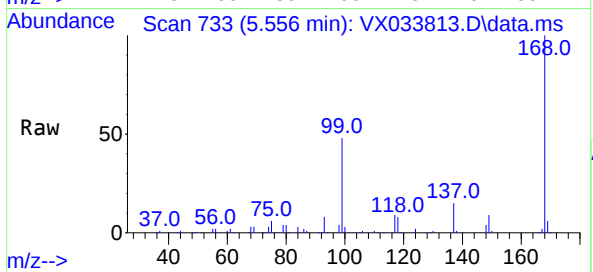




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX033813.D
Acq: 19 Jan 2023 19:49

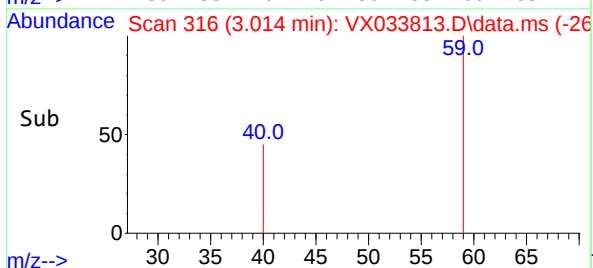
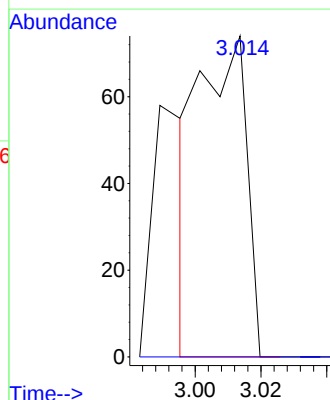
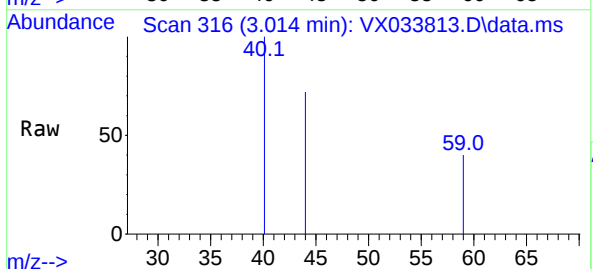
Instrument :
MSVOA_X
ClientSampleId :

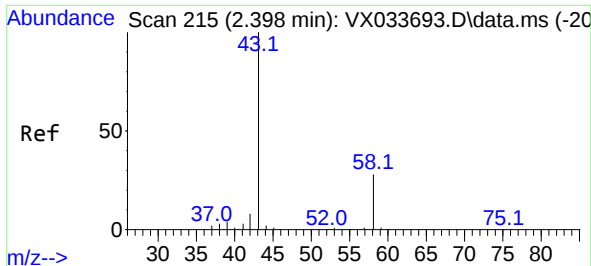
Tgt Ion:168 Resp: 175692
Ion Ratio Lower Upper
168 100
99 48.1 39.6 59.4



#11
Tert butyl alcohol
Concen: 0.227 ug/l
RT: 3.014 min Scan# 316
Delta R.T. -0.006 min
Lab File: VX033813.D
Acq: 19 Jan 2023 19:49

Tgt Ion: 59 Resp: 73
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#

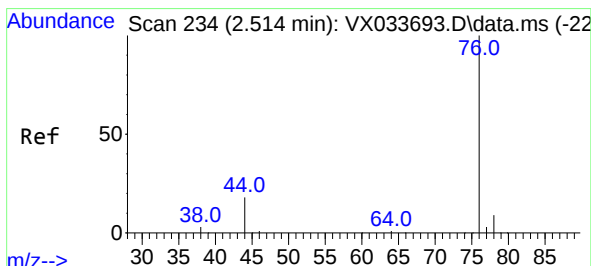
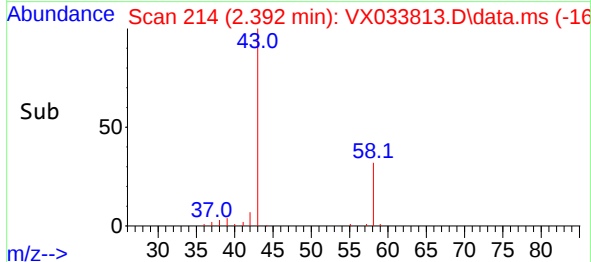
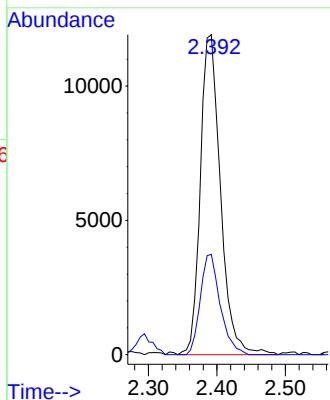
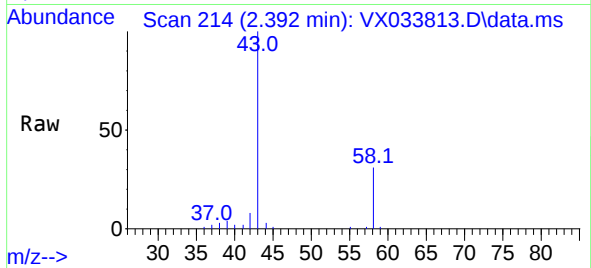




#16
Acetone
Concen: 25.153 ug/l
RT: 2.392 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX033813.D
Acq: 19 Jan 2023 19:49

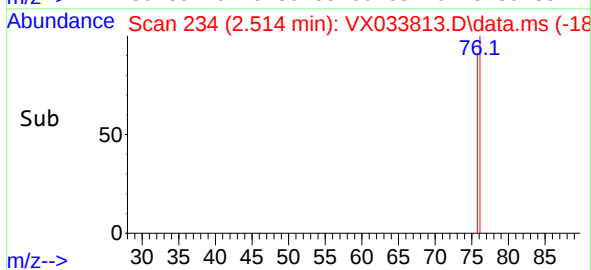
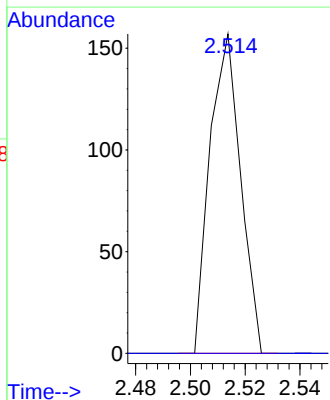
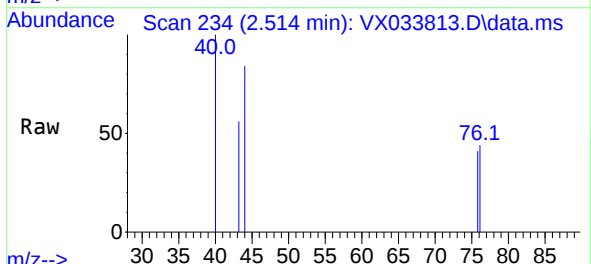
Instrument :
MSVOA_X
ClientSampleId :

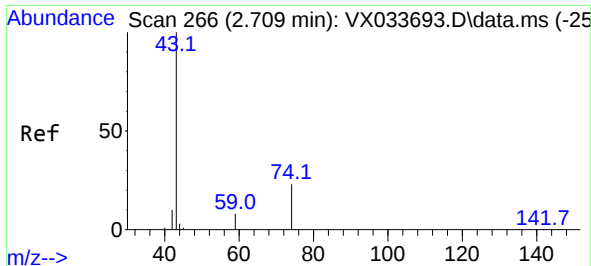
Tgt Ion: 43 Resp: 24400
Ion Ratio Lower Upper
43 100
58 31.3 22.6 33.8



#17
Carbon Disulfide
Concen: 1.855 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX033813.D
Acq: 19 Jan 2023 19:49

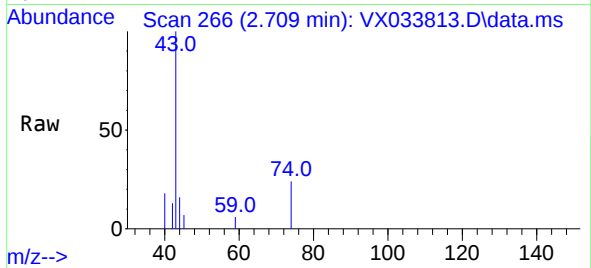
Tgt Ion: 76 Resp: 122
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



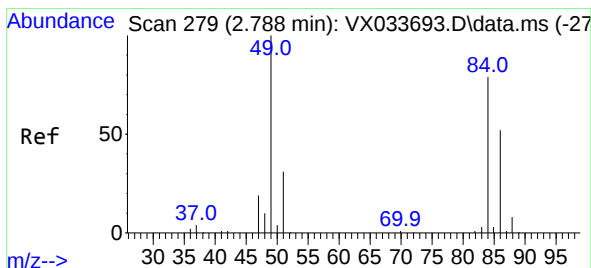
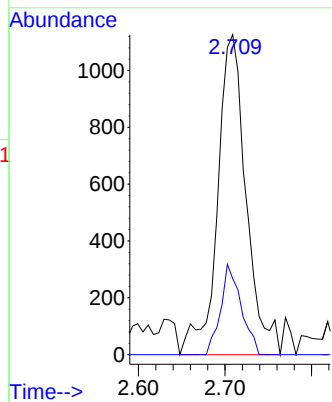
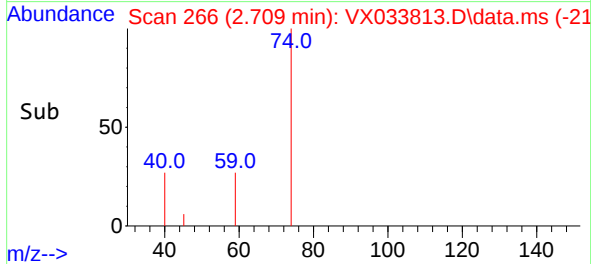


#18
Methyl Acetate
Concen: 0.999 ug/l
RT: 2.709 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX033813.D
Acq: 19 Jan 2023 19:49

Instrument :
MSVOA_X
ClientSampleId :

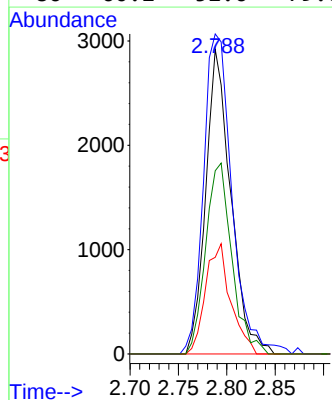
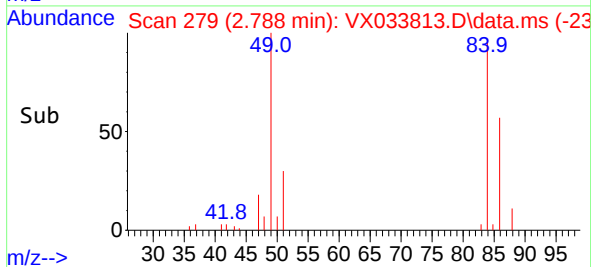
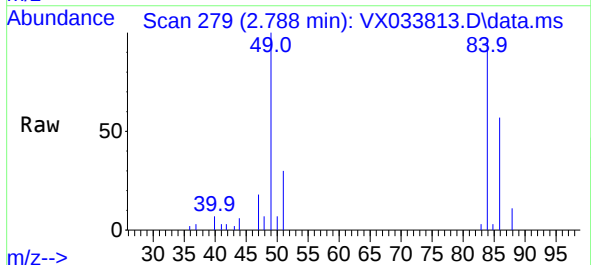


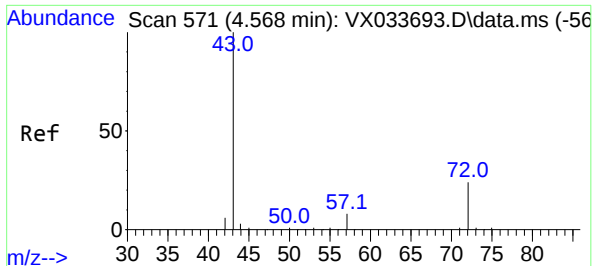
Tgt Ion: 43 Resp: 2578
Ion Ratio Lower Upper
43 100
74 20.3 18.2 27.4



#20
Methylene Chloride
Concen: 0.815 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX033813.D
Acq: 19 Jan 2023 19:49

Tgt Ion: 84 Resp: 5275
Ion Ratio Lower Upper
84 100
49 105.1 101.1 151.7
51 31.8 31.0 46.6
86 60.2 52.6 79.0

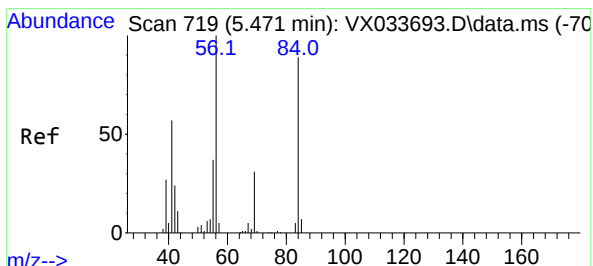
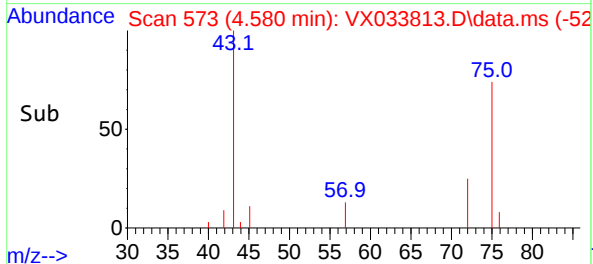
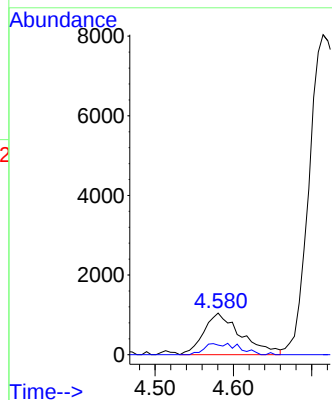
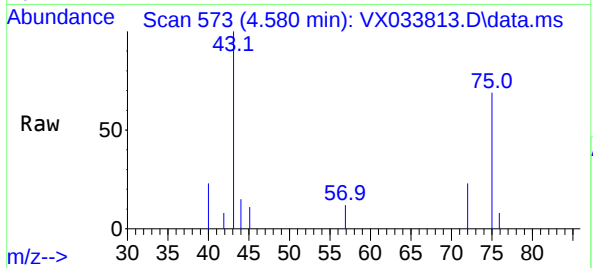




#25
2-Butanone
Concen: 2.864 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX033813.D
Acq: 19 Jan 2023 19:49

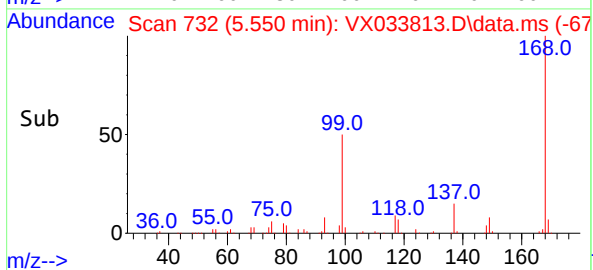
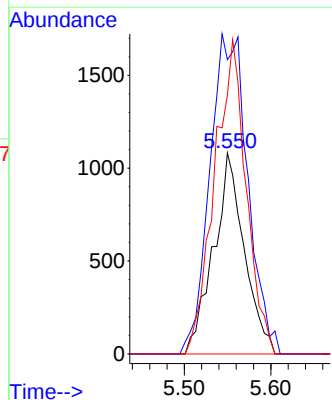
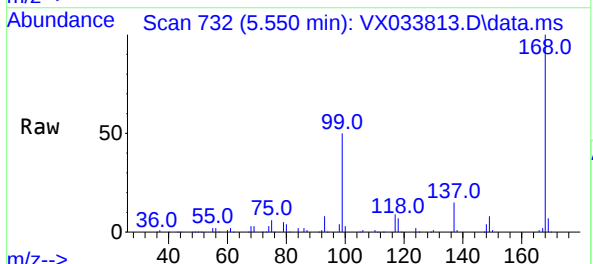
Instrument :
MSVOA_X
ClientSampleId :

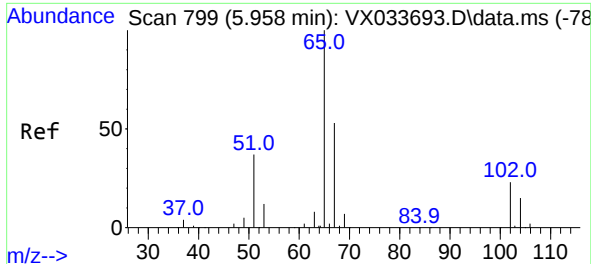
Tgt Ion: 43 Resp: 3462
Ion Ratio Lower Upper
43 100
72 23.2 19.4 29.2



#31
Cyclohexane
Concen: 0.978 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX033813.D
Acq: 19 Jan 2023 19:49

Tgt Ion: 56 Resp: 2663
Ion Ratio Lower Upper
56 100
69 146.4 24.6 37.0#
84 128.8 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 47.078 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX033813.D

Acq: 19 Jan 2023 19:49

Instrument :

MSVOA_X

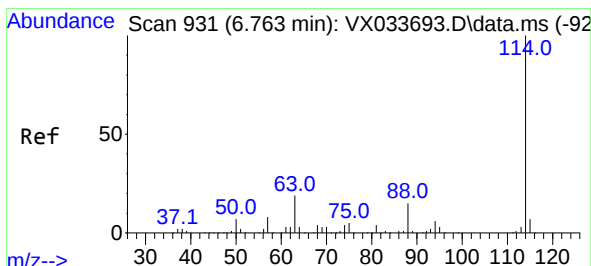
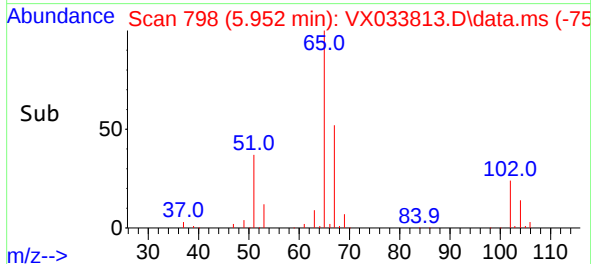
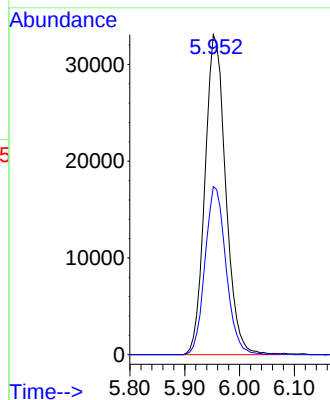
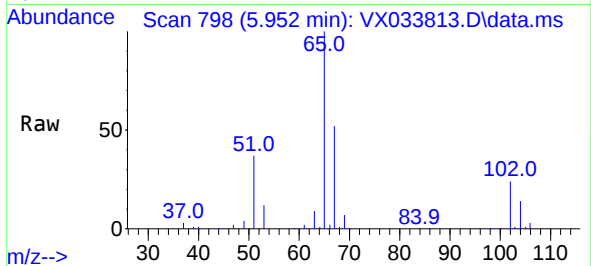
ClientSampleId :

Tgt Ion: 65 Resp: 87088

Ion Ratio Lower Upper

65 100

67 53.0 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX033813.D

Acq: 19 Jan 2023 19:49

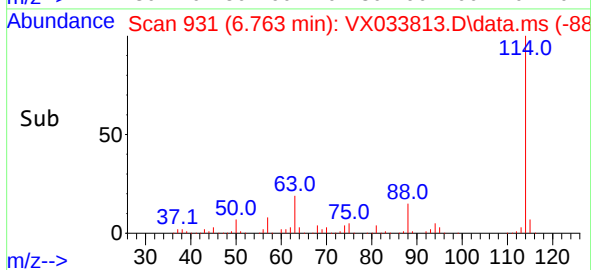
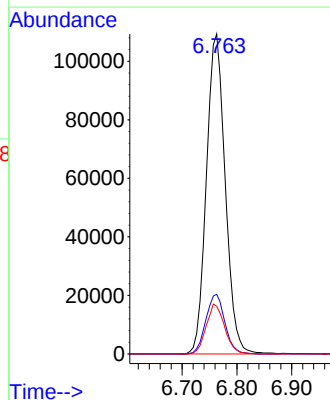
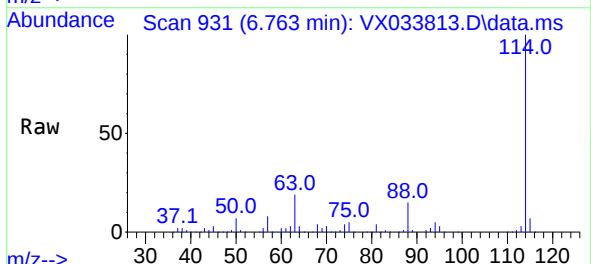
Tgt Ion: 114 Resp: 260011

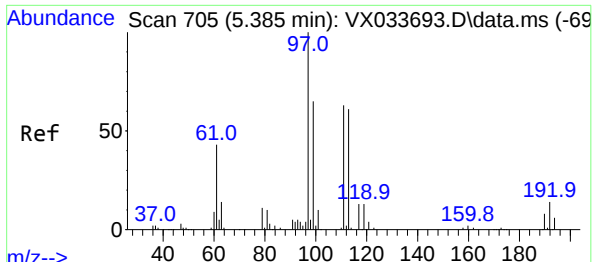
Ion Ratio Lower Upper

114 100

63 18.6 0.0 37.4

88 14.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.648 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

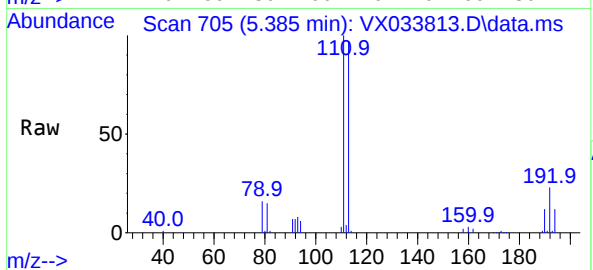
Lab File: VX033813.D

Acq: 19 Jan 2023 19:49

Instrument :

MSVOA_X

ClientSampleId :



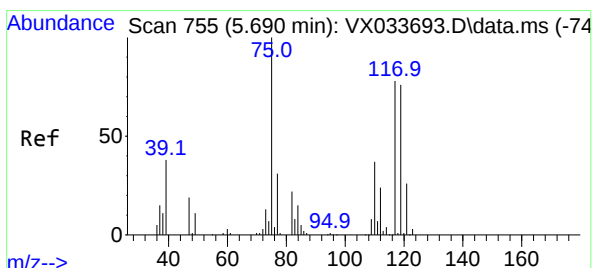
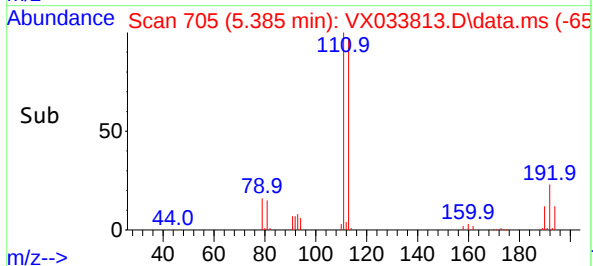
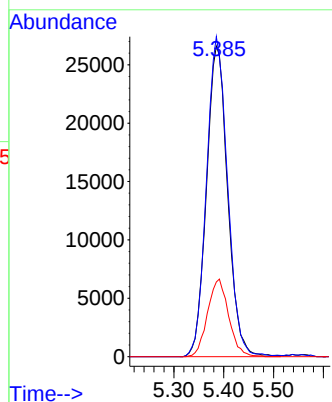
Tgt Ion:113 Resp: 78543

Ion Ratio Lower Upper

113 100

111 102.3 83.0 124.6

192 24.9 19.0 28.4



#36

1,1-Dichloropropene

Concen: 4.478 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX033813.D

Acq: 19 Jan 2023 19:49

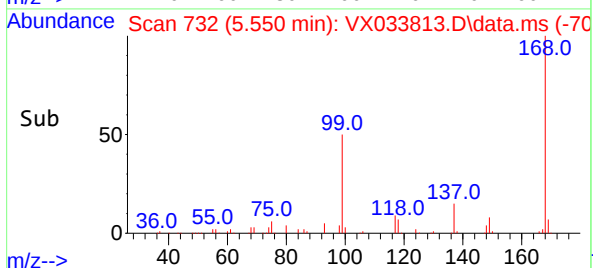
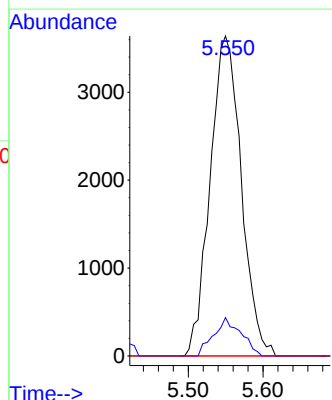
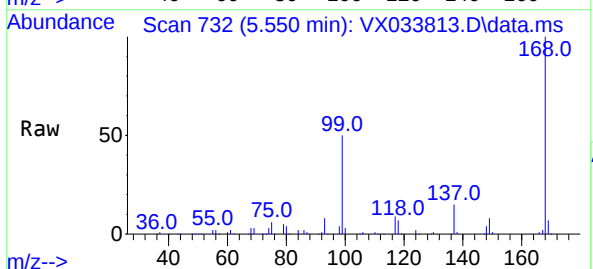
Tgt Ion: 75 Resp: 10552

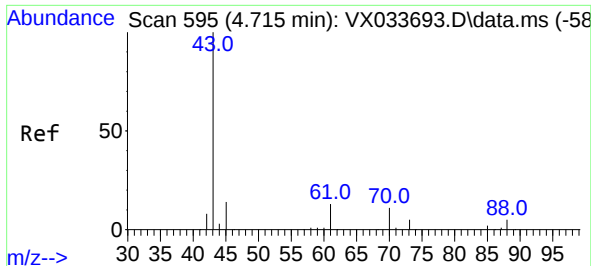
Ion Ratio Lower Upper

75 100

110 10.5 18.8 56.4#

77 0.0 25.1 37.7#

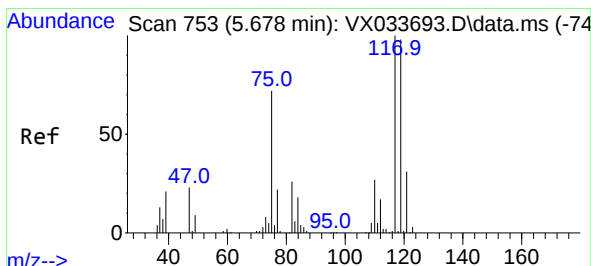
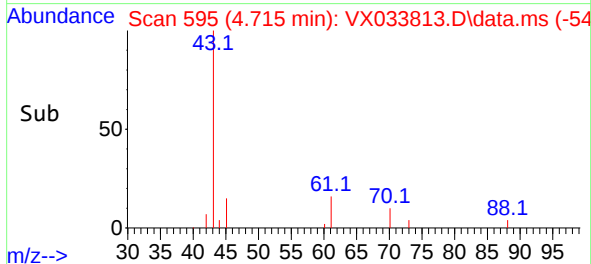
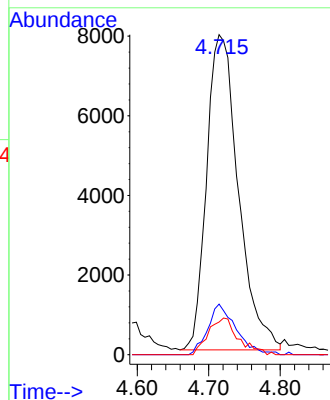
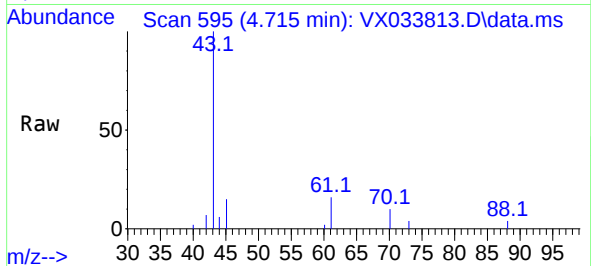




#37
Ethyl Acetate
Concen: 8.482 ug/l
RT: 4.715 min Scan# 595
Delta R.T. -0.000 min
Lab File: VX033813.D
Acq: 19 Jan 2023 19:49

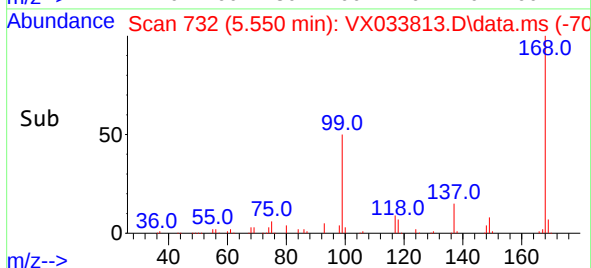
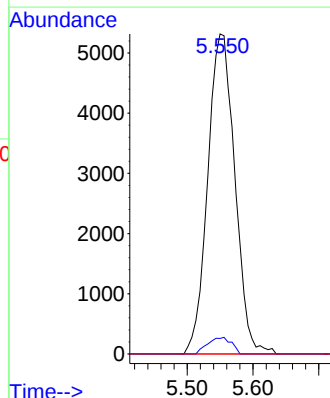
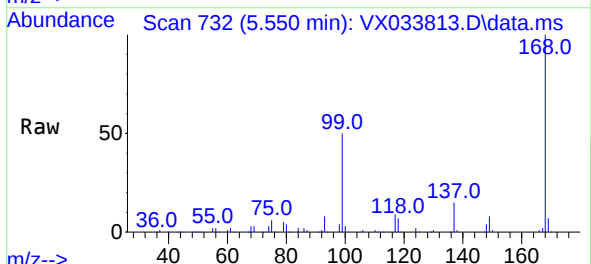
Instrument :
MSVOA_X
ClientSampleId :

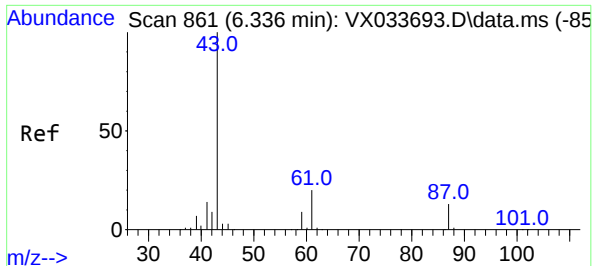
Tgt Ion:	43	Resp:	24406
Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.1	16.7
70	11.0	8.5	12.7



#38
Carbon Tetrachloride
Concen: 6.248 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX033813.D
Acq: 19 Jan 2023 19:49

Tgt Ion:	117	Resp:	15248
Ion	Ratio	Lower	Upper
117	100		
119	4.9	78.0	117.0#
121	0.0	24.4	36.6#

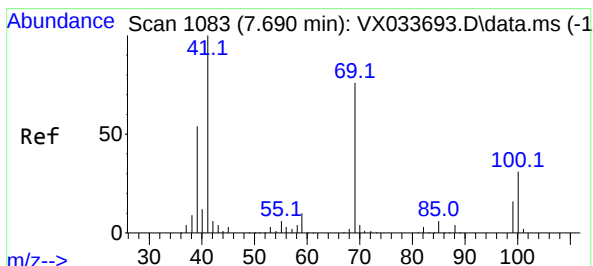
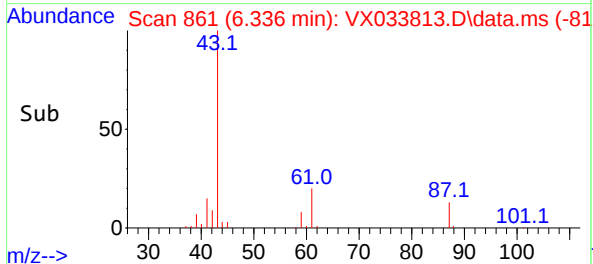
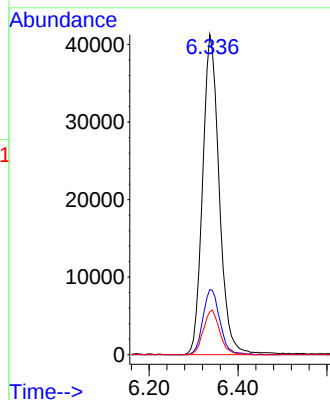
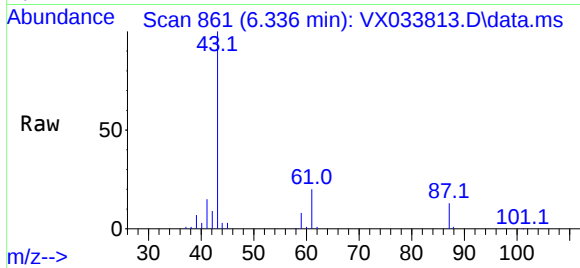




#43
Isopropyl Acetate
Concen: 28.951 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX033813.D
Acq: 19 Jan 2023 19:49

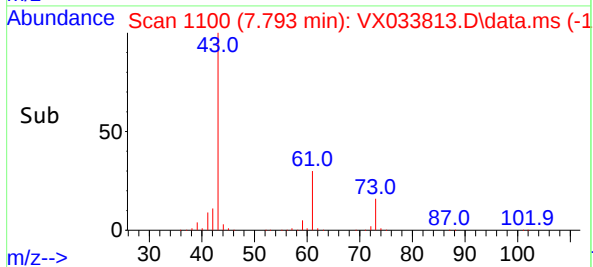
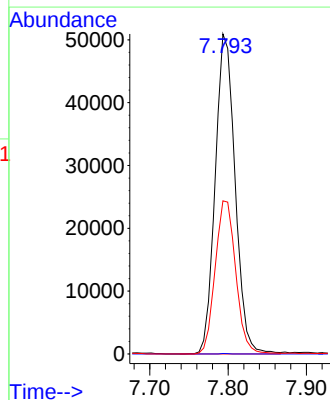
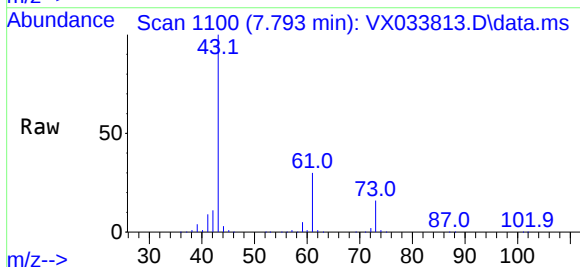
Instrument :
MSVOA_X
ClientSampleId :

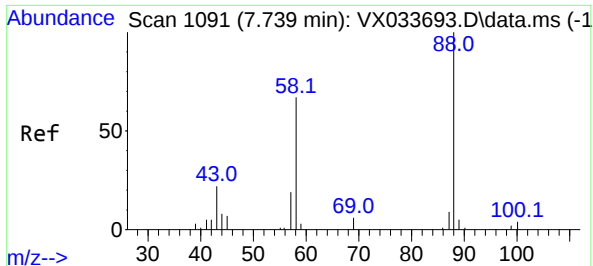
Tgt Ion: 43 Resp: 107694
Ion Ratio Lower Upper
43 100
61 20.7 15.7 23.5
87 13.7 10.6 15.8



#48
Methyl methacrylate
Concen: 48.045 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX033813.D
Acq: 19 Jan 2023 19:49

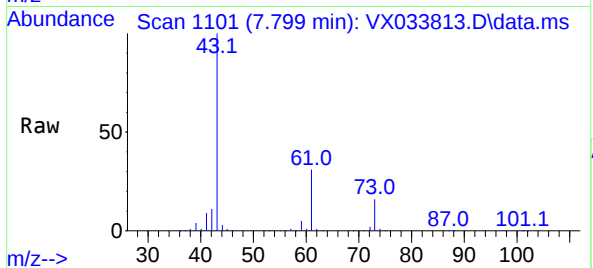
Tgt Ion: 41 Resp: 90030
Ion Ratio Lower Upper
41 100
69 0.0 63.1 94.7#
39 49.5 43.2 64.8



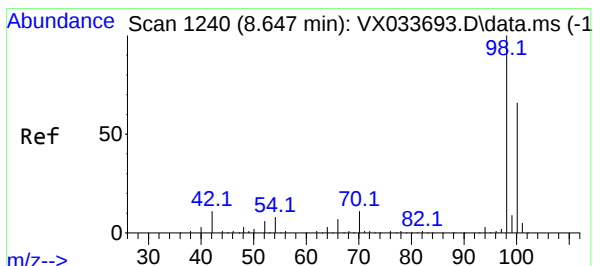
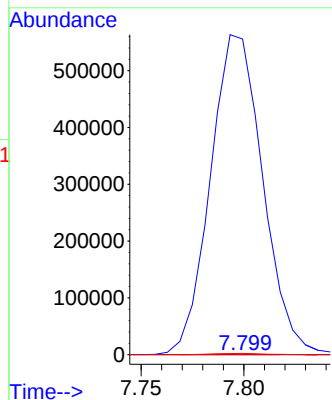
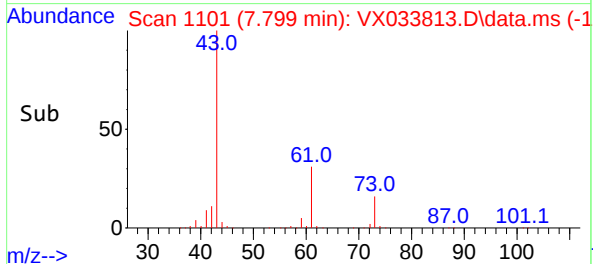


#49
1,4-Dioxane
Concen: 4.029 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.061 min
Lab File: VX033813.D
Acq: 19 Jan 2023 19:49

Instrument :
MSVOA_X
ClientSampleId :

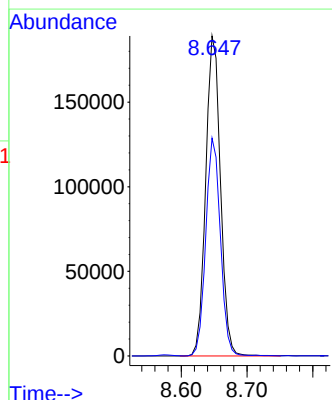
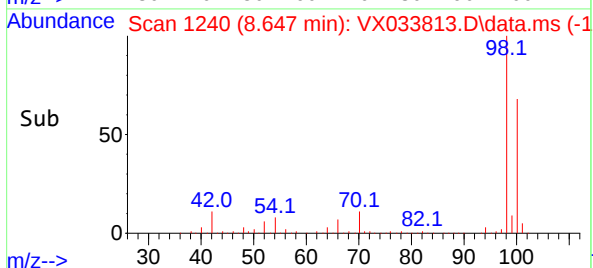
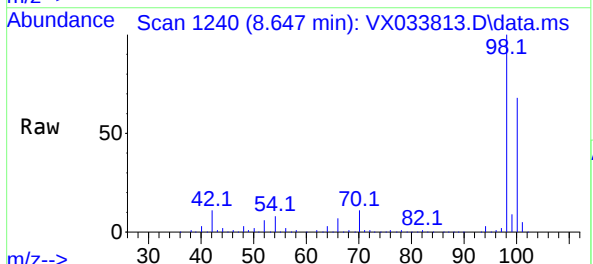


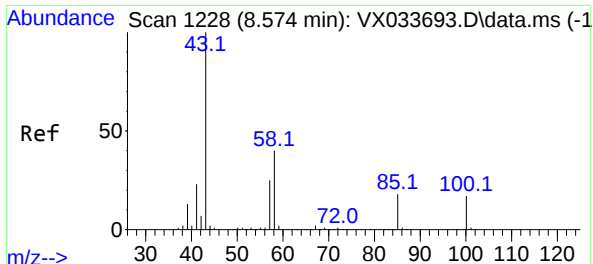
Tgt Ion: 88 Resp: 167
Ion Ratio Lower Upper
88 100
43 602886.8 0.0 0.0#
58 2479.0 56.5 84.7#



#50
Toluene-d8
Concen: 50.190 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX033813.D
Acq: 19 Jan 2023 19:49

Tgt Ion: 98 Resp: 295248
Ion Ratio Lower Upper
98 100
100 67.6 53.6 80.4

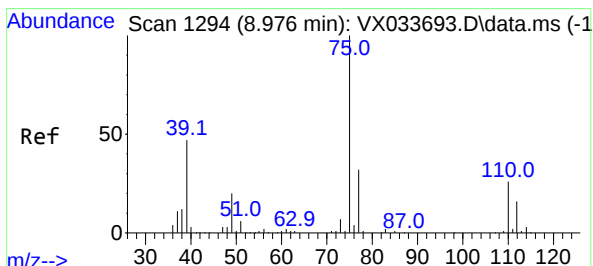
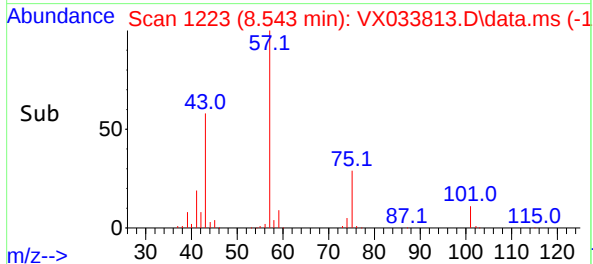
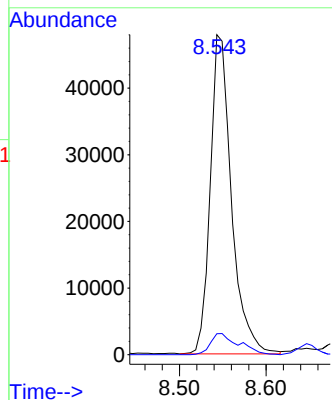
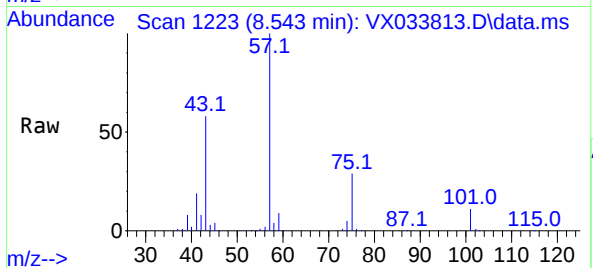




#51
4-Methyl-2-Pentanone
Concen: 35.616 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX033813.D
Acq: 19 Jan 2023 19:49

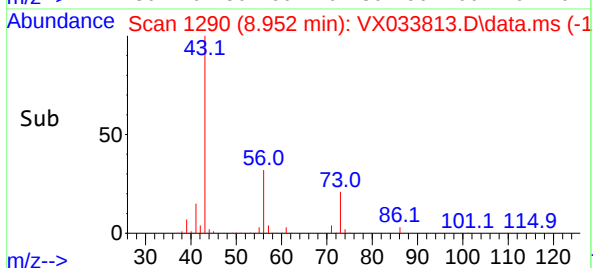
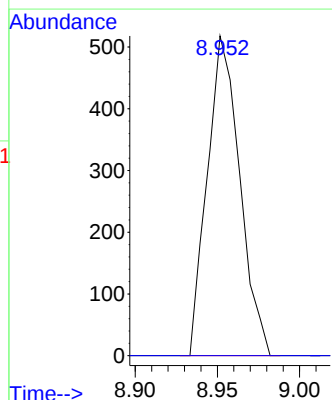
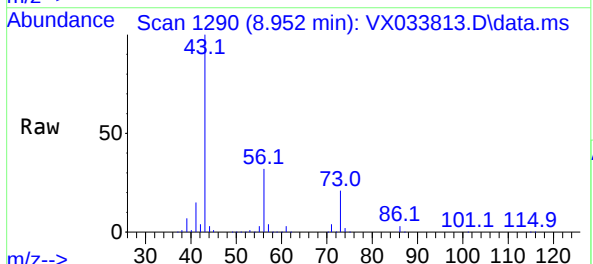
Instrument :
MSVOA_X
ClientSampleId :

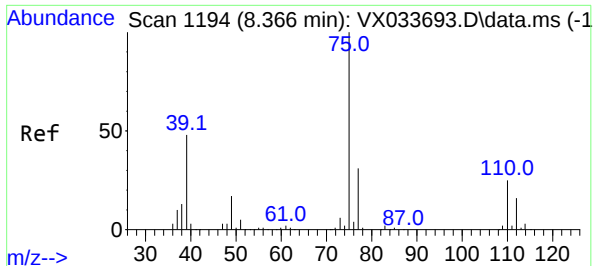
Tgt Ion: 43 Resp: 81368
Ion Ratio Lower Upper
43 100
58 8.9 31.2 46.8#



#53
t-1,3-Dichloropropene
Concen: 0.307 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX033813.D
Acq: 19 Jan 2023 19:49

Tgt Ion: 75 Resp: 711
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#

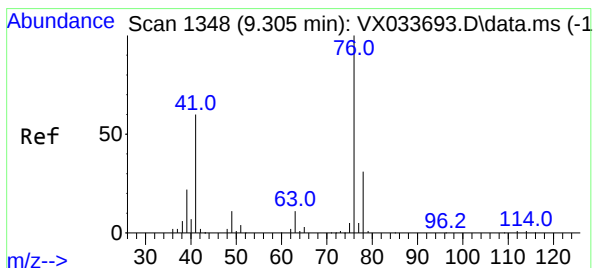
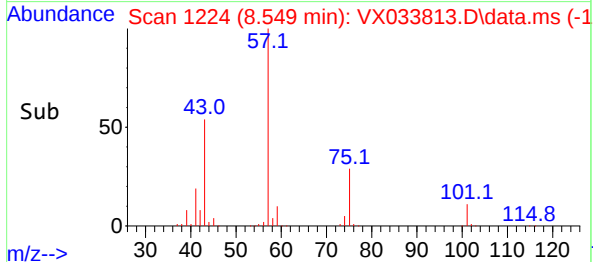
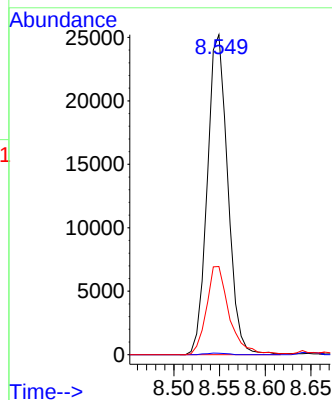
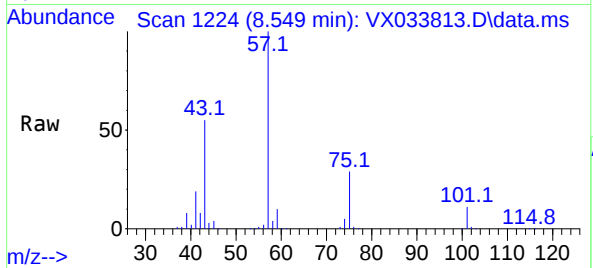




#54
cis-1,3-Dichloropropene
Concen: 15.112 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX033813.D
Acq: 19 Jan 2023 19:49

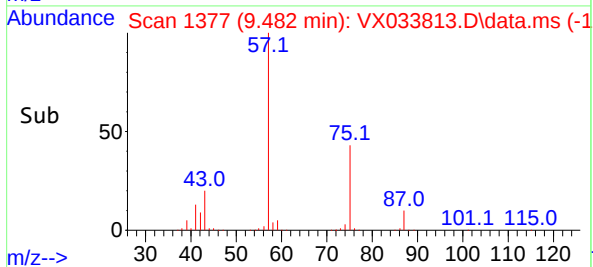
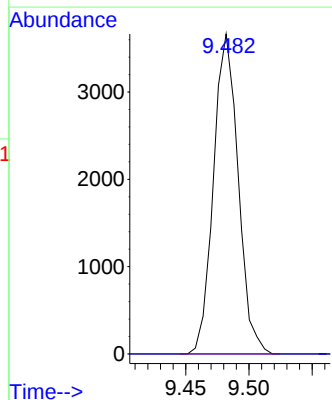
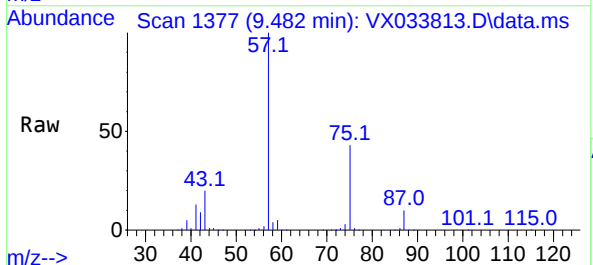
Instrument :
MSVOA_X
ClientSampleId :

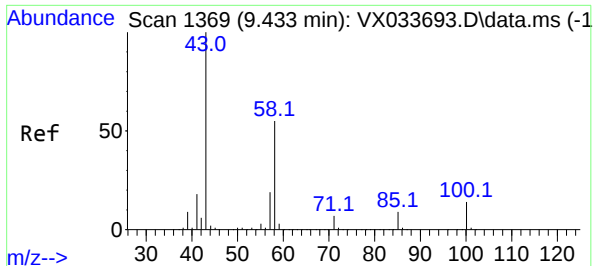
Tgt Ion: 75 Resp: 39219
Ion Ratio Lower Upper
75 100
77 0.5 25.0 37.6#
39 27.6 38.6 58.0#



#57
1,3-Dichloropropane
Concen: 1.747 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX033813.D
Acq: 19 Jan 2023 19:49

Tgt Ion: 76 Resp: 4972
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#





#59

2-Hexanone

Concen: 42.433 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX033813.D

Acq: 19 Jan 2023 19:49

Instrument :

MSVOA_X

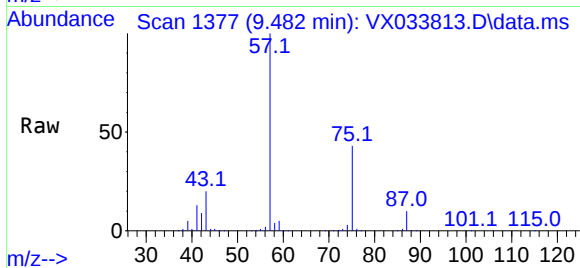
ClientSampleId :

Tgt Ion: 43 Resp: 67473

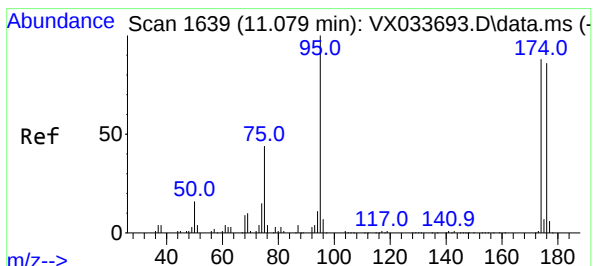
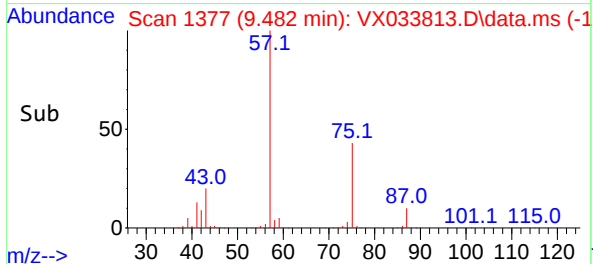
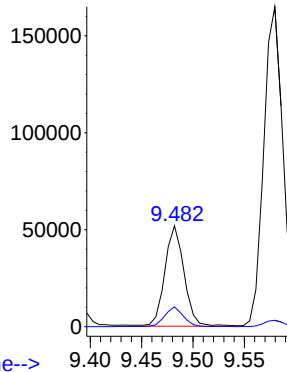
Ion Ratio Lower Upper

43 100

58 19.5 27.4 82.0#



Abundance



#62

4-Bromofluorobenzene

Concen: 47.300 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX033813.D

Acq: 19 Jan 2023 19:49

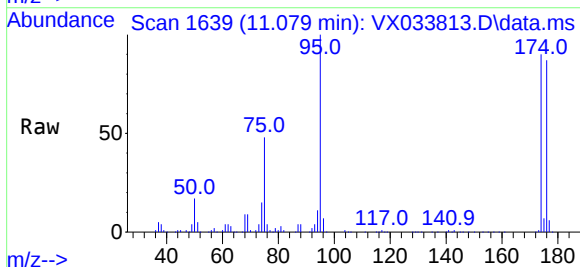
Tgt Ion: 95 Resp: 103307

Ion Ratio Lower Upper

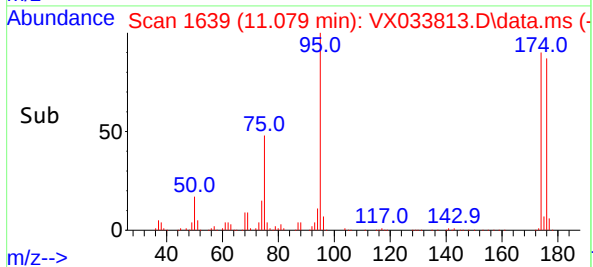
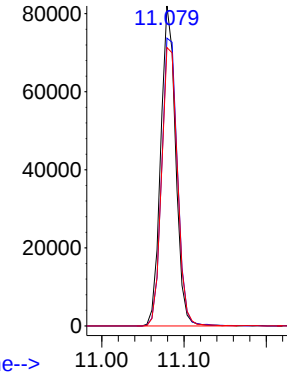
95 100

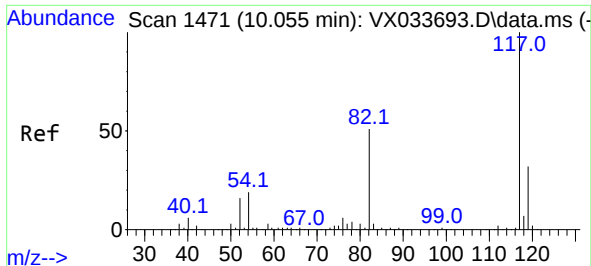
174 94.8 0.0 184.4

176 92.5 0.0 178.8



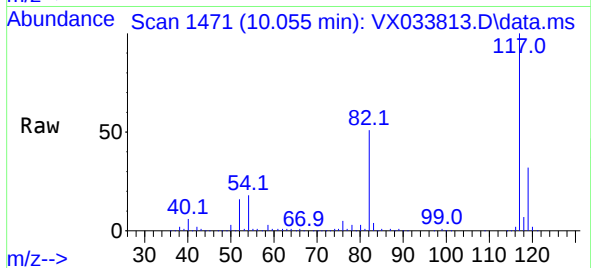
Abundance



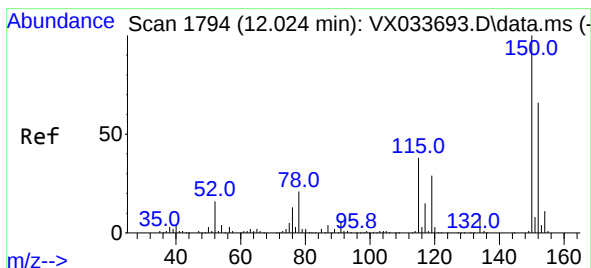
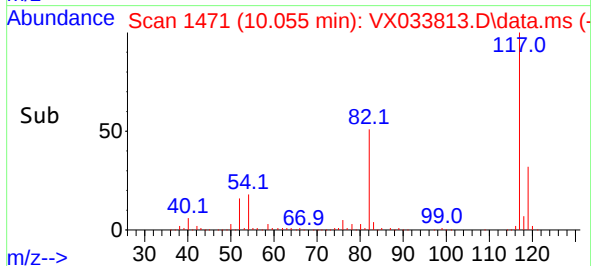
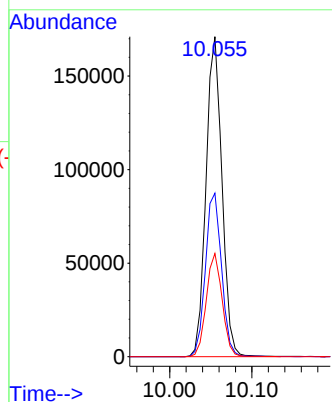


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033813.D
Acq: 19 Jan 2023 19:49

Instrument :
MSVOA_X
ClientSampleId :

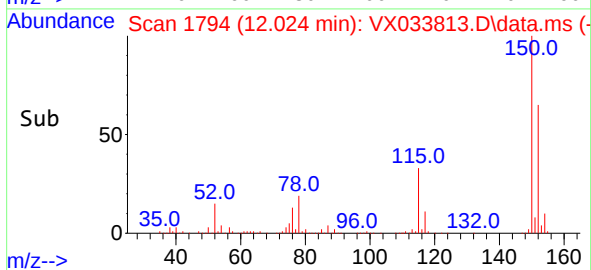
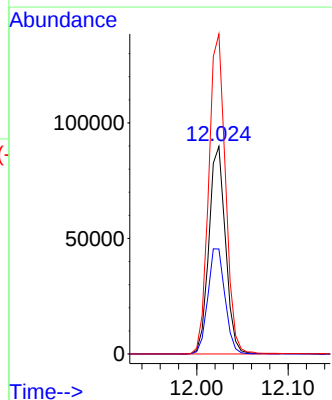
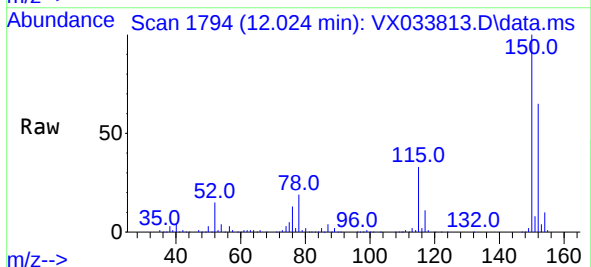


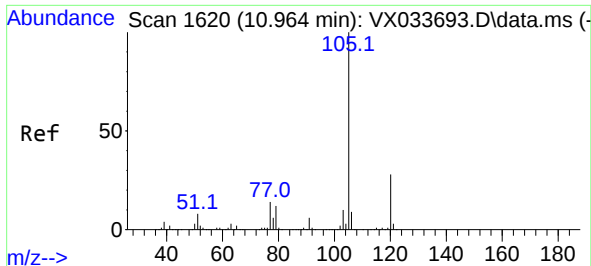
Tgt Ion:117 Resp: 230461
Ion Ratio Lower Upper
117 100
82 51.1 40.6 60.8
119 32.2 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX033813.D
Acq: 19 Jan 2023 19:49

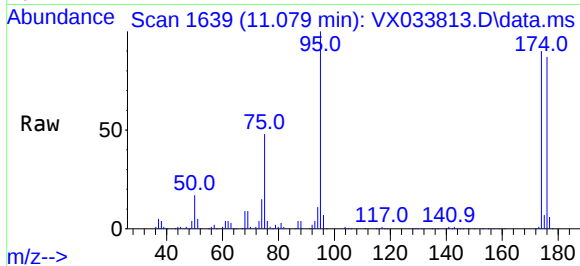
Tgt Ion:152 Resp: 112849
Ion Ratio Lower Upper
152 100
115 52.6 38.7 116.1
150 156.2 0.0 348.2



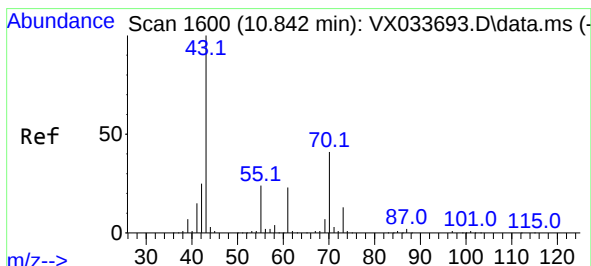
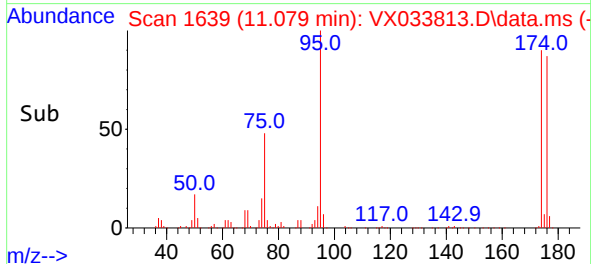
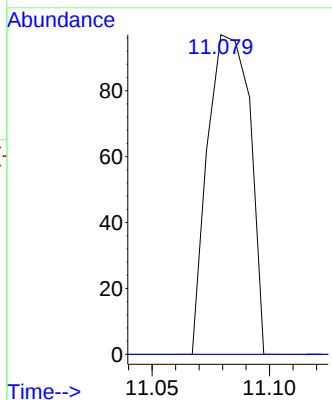


#73
Isopropylbenzene
Concen: Below Cal
RT: 11.079 min Scan# 1
Delta R.T. 0.115 min
Lab File: VX033813.D
Acq: 19 Jan 2023 19:49

Instrument :
MSVOA_X
ClientSampleId :

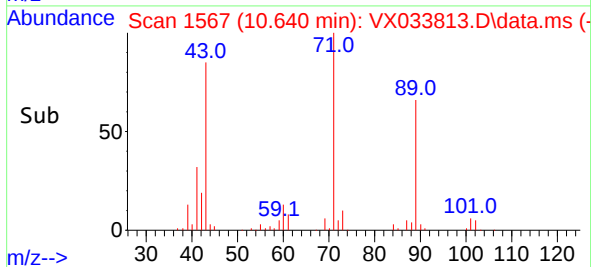
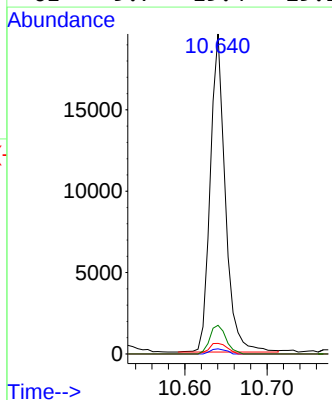
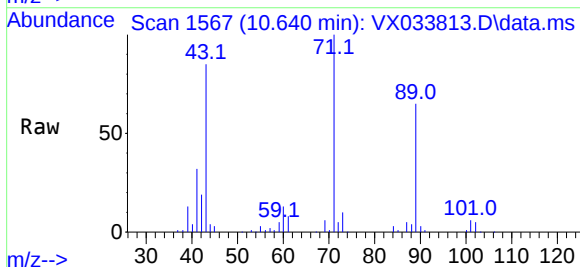


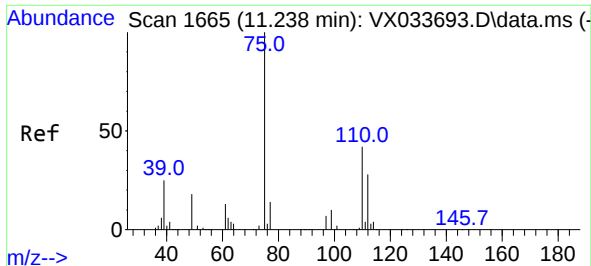
Tgt Ion:105 Resp: 121
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.8#



#74
N-ethyl acetate
Concen: 8.413 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX033813.D
Acq: 19 Jan 2023 19:49

Tgt Ion: 43 Resp: 24930
Ion Ratio Lower Upper
43 100
70 1.7 34.8 52.2#
55 4.0 19.4 29.0#
61 9.7 19.4 29.2#

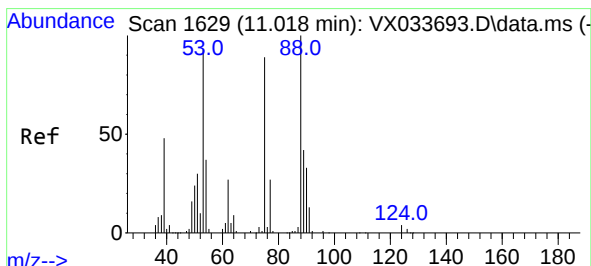
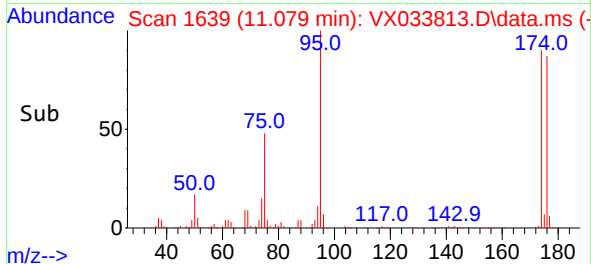
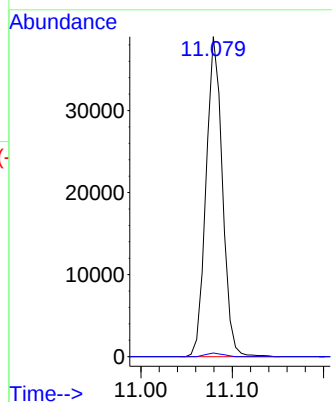
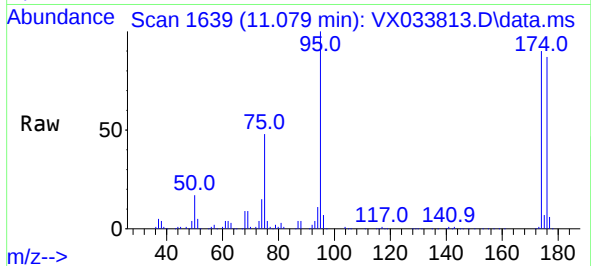




#76
1,2,3-Trichloropropane
Concen: 23.288 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033813.D
Acq: 19 Jan 2023 19:49

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 48286
Ion Ratio Lower Upper
75 100
77 1.2 21.8 65.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.376 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033813.D
Acq: 19 Jan 2023 19:49

Tgt Ion: 75 Resp: 48286
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#

