

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121422\
 Data File : VX033426.D
 Acq On : 14 Dec 2022 17:49
 Operator : JC/MD
 Sample : N6048-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-22

Quant Time: Dec 14 22:52:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

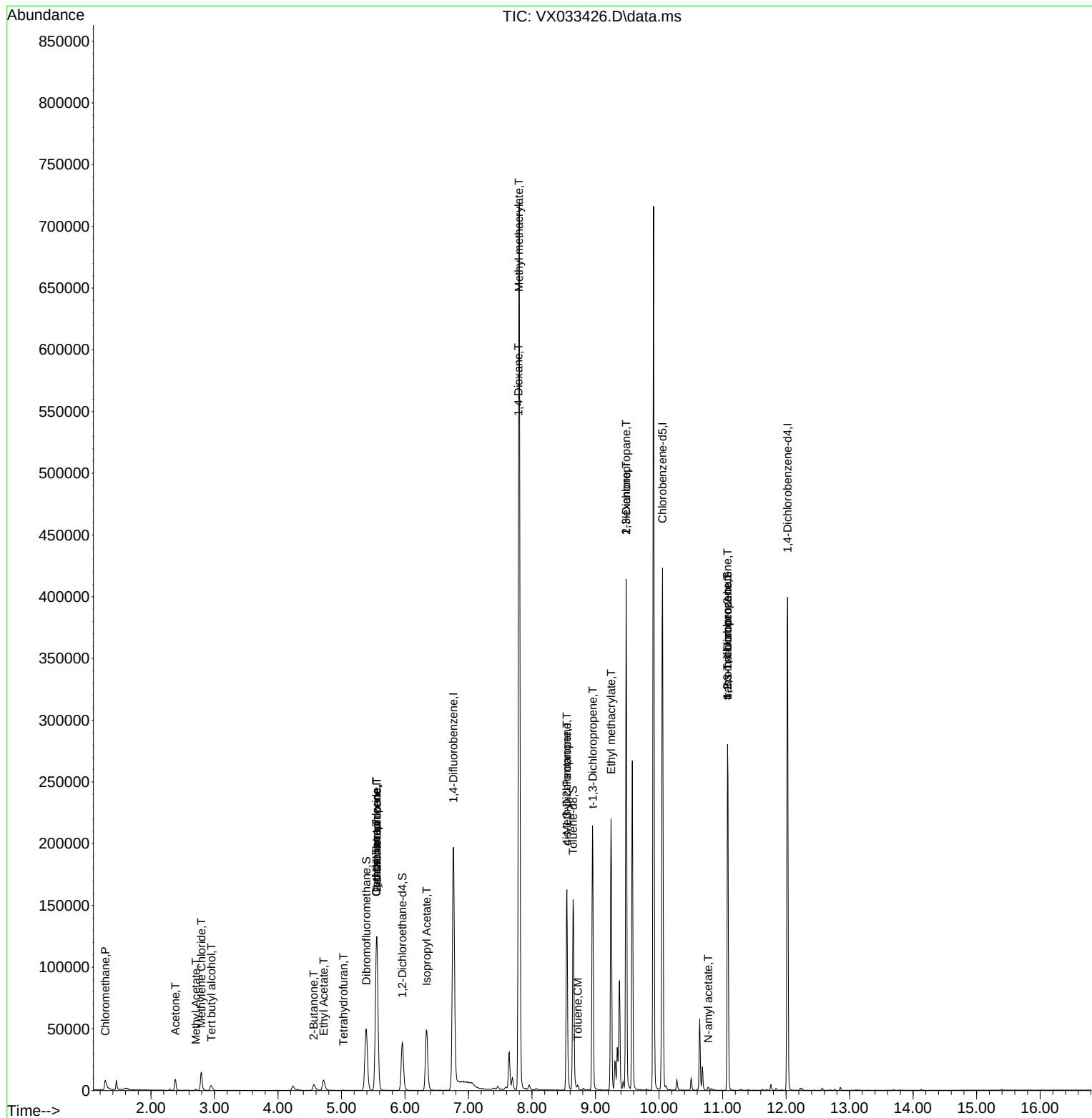
Internal Standards						
1) Pentafluorobenzene	5.556	168	121087	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	201992	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	193250	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	85096	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	40076	51.590	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.180%			
35) Dibromofluoromethane	5.391	113	44401	48.872	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.740%			
50) Toluene-d8	8.647	98	93040	48.954	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.900%			
62) 4-Bromofluorobenzene	11.079	95	73769	50.763	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.520%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.282	50	329	0.336	ug/l #	43
11) Tert butyl alcohol	2.953	59	3901	16.425	ug/l #	72
16) Acetone	2.386	43	10523	18.307	ug/l	99
18) Methyl Acetate	2.709	43	1308	0.786	ug/l	100
20) Methylene Chloride	2.794	84	7475	5.831	ug/l	89
25) 2-Butanone	4.562	43	7872	9.541	ug/l	97
29) Tetrahydrofuran	5.032	42	376	0.703	ug/l #	31
31) Cyclohexane	5.550	56	2380	1.289	ug/l #	13
36) 1,1-Dichloropropene	5.556	75	8657	4.887	ug/l #	51
37) Ethyl Acetate	4.721	43	15199	9.077	ug/l	99
38) Carbon Tetrachloride	5.550	117	12551	6.324	ug/l #	15
43) Isopropyl Acetate	6.342	43	67607	25.095	ug/l	99
48) Methyl methacrylate	7.793	41	63757	45.854	ug/l #	42
49) 1,4-Dioxane	7.787	88	73	2.302	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	54229	31.830	ug/l #	49
52) Toluene	8.720	92	1229	0.368	ug/l	98
53) t-1,3-Dichloropropene	8.958	75	461	2.713	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	26011	12.463	ug/l #	57
56) Ethyl methacrylate	9.244	69	534	0.270	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3395	1.506	ug/l #	42
59) 2-Hexanone	9.482	43	45371	36.137	ug/l #	52
74) N-amyl acetate	10.774	43	1501	0.713	ug/l #	48
76) 1,2,3-Trichloropropane	11.079	75	37864	21.870	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	37864	68.032	ug/l #	6

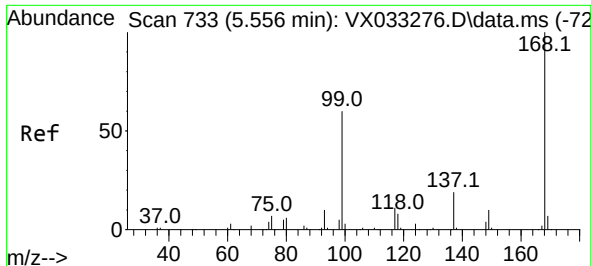
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Dec 07 12:43:54 2022
Response via : Initial Calibration

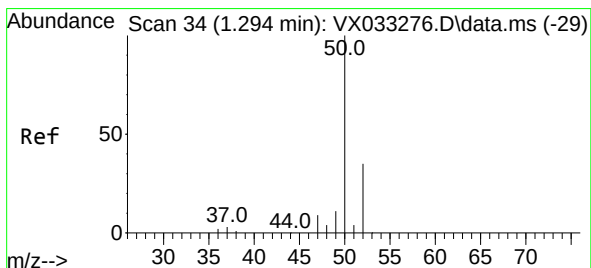
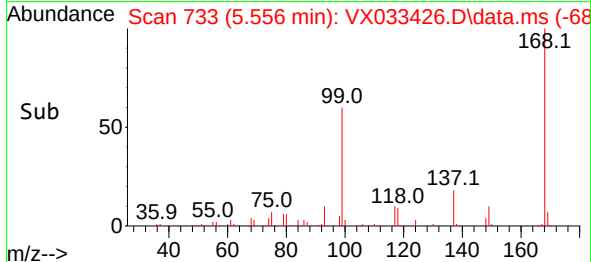
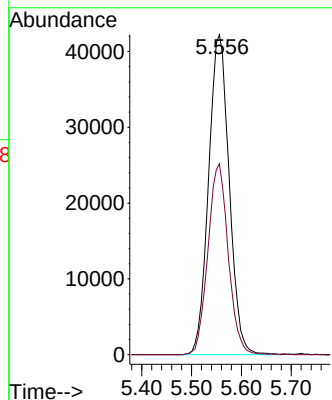
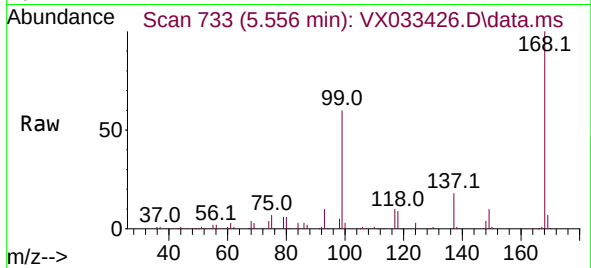




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033426.D
Acq: 14 Dec 2022 17:49

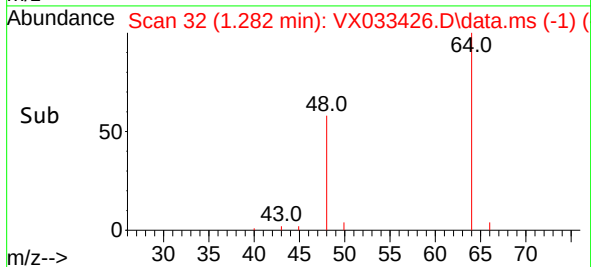
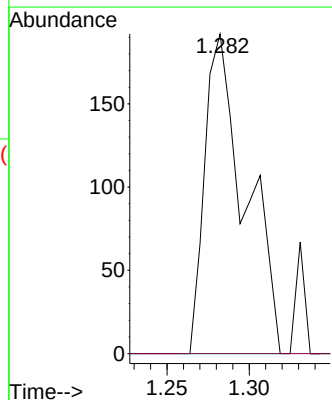
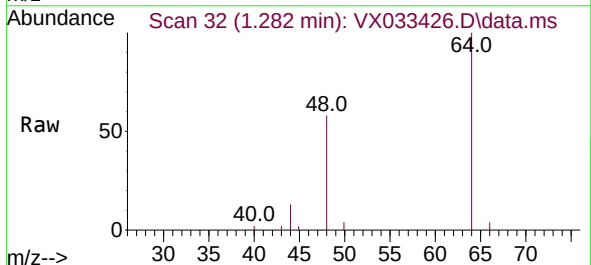
Instrument :
MSVOA_X
ClientSampleId :
MH-22

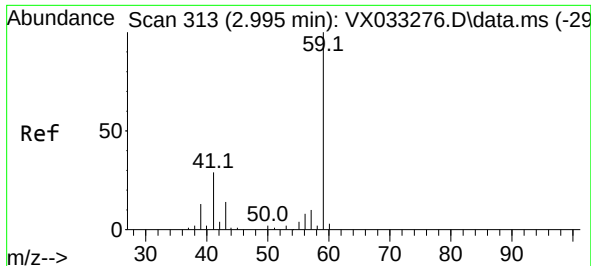
Tgt Ion:168 Resp: 121087
Ion Ratio Lower Upper
168 100
99 59.7 46.1 69.1



#3
Chloromethane
Concen: 0.336 ug/l
RT: 1.282 min Scan# 32
Delta R.T. -0.012 min
Lab File: VX033426.D
Acq: 14 Dec 2022 17:49

Tgt Ion: 50 Resp: 329
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#





#11

Tert butyl alcohol

Concen: 16.425 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.042 min

Lab File: VX033426.D

Acq: 14 Dec 2022 17:49

Instrument :

MSVOA_X

ClientSampleId :

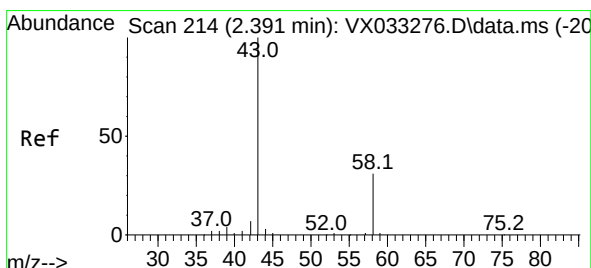
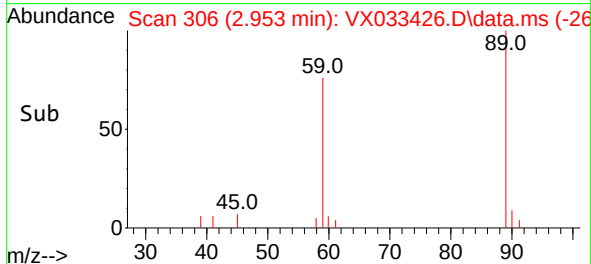
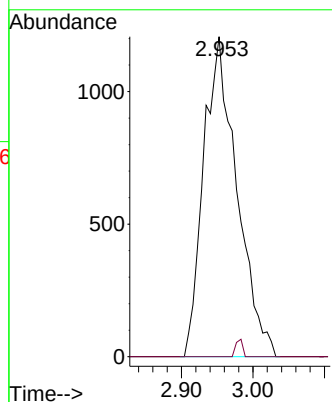
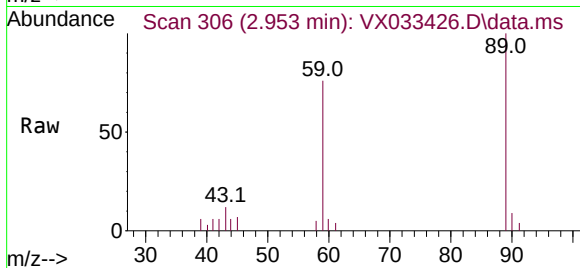
MH-22

Tgt Ion: 59 Resp: 3901

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 18.307 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX033426.D

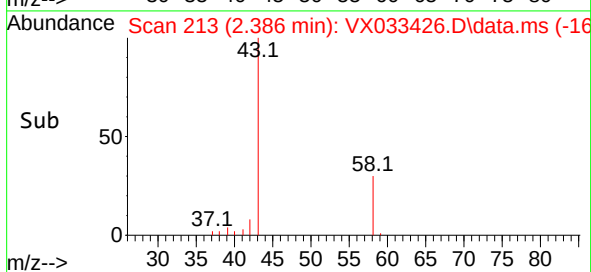
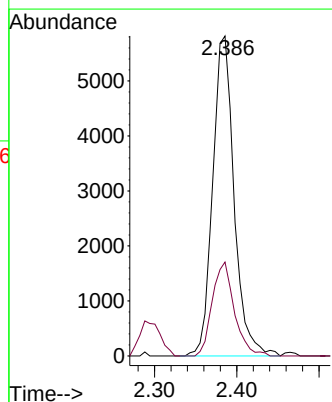
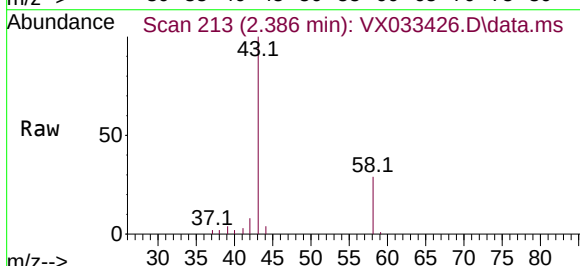
Acq: 14 Dec 2022 17:49

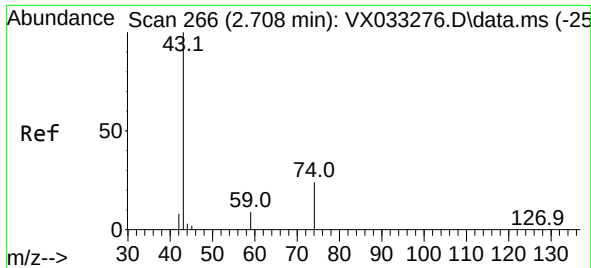
Tgt Ion: 43 Resp: 10523

Ion Ratio Lower Upper

43 100

58 29.4 23.8 35.8

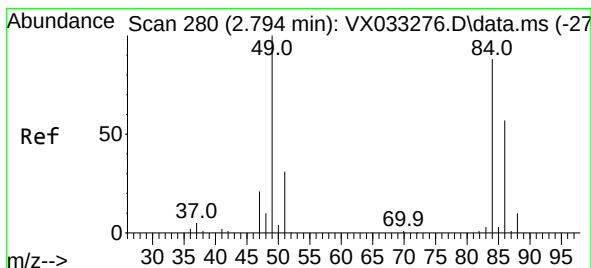
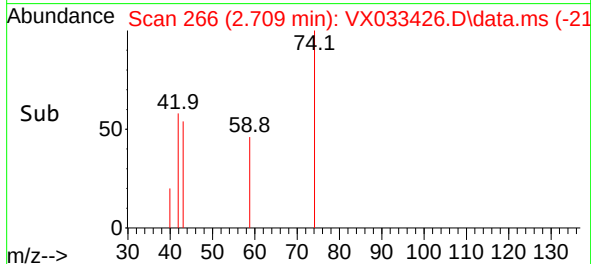
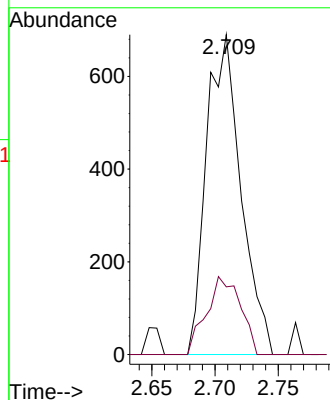
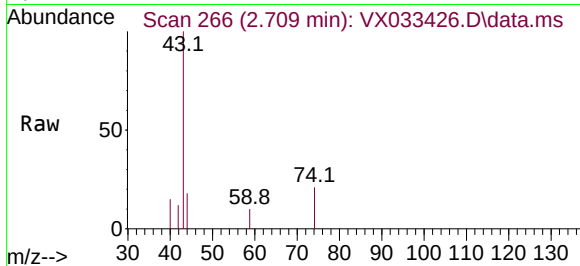




#18
Methyl Acetate
Concen: 0.786 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX033426.D
Acq: 14 Dec 2022 17:49

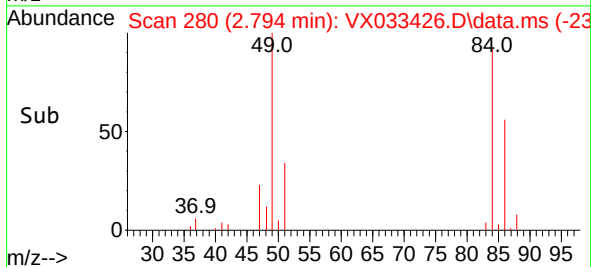
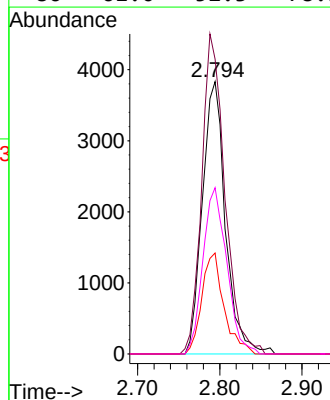
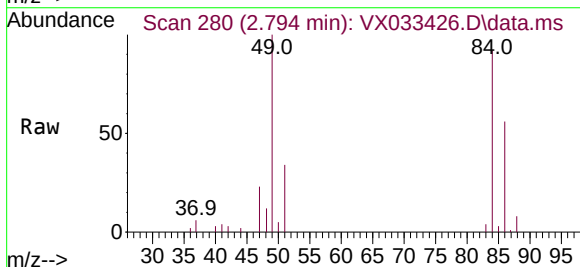
Instrument :
MSVOA_X
ClientSampleId :
MH-22

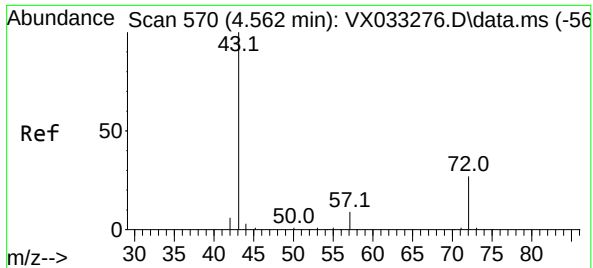
Tgt Ion: 43 Resp: 1308
Ion Ratio Lower Upper
43 100
74 24.0 19.4 29.0



#20
Methylene Chloride
Concen: 5.831 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX033426.D
Acq: 14 Dec 2022 17:49

Tgt Ion: 84 Resp: 7475
Ion Ratio Lower Upper
84 100
49 108.3 101.0 151.6
51 37.1 31.1 46.7
86 61.0 52.3 78.5

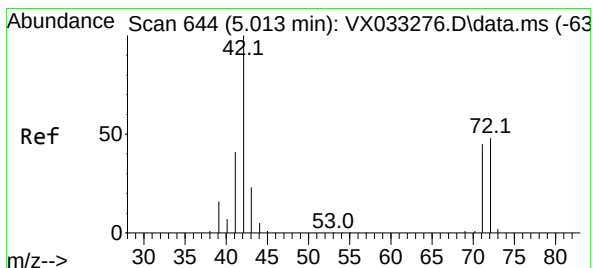
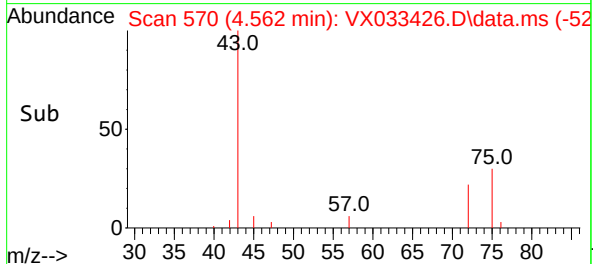
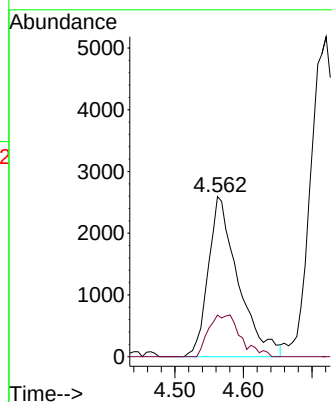
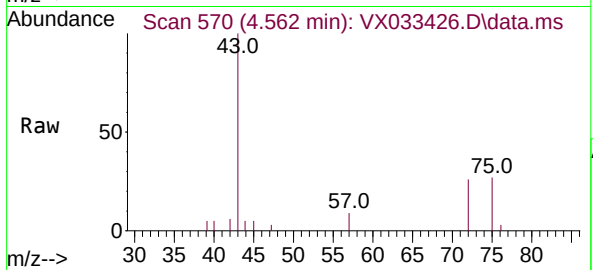




#25
2-Butanone
Concen: 9.541 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX033426.D
Acq: 14 Dec 2022 17:49

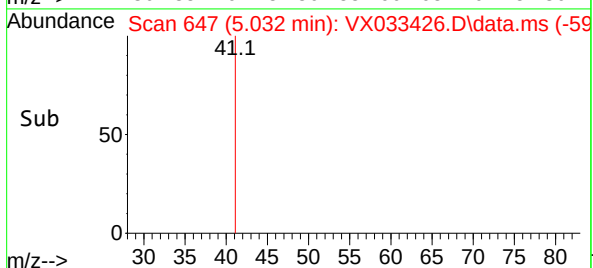
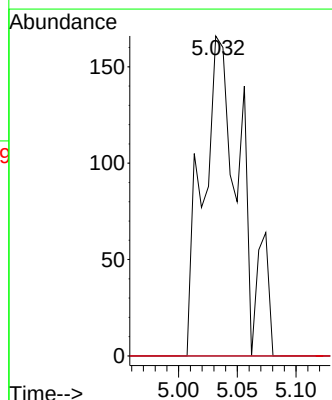
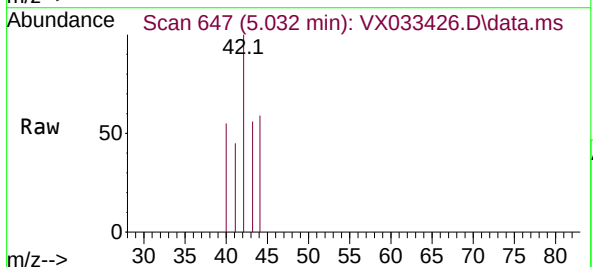
Instrument :
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ClientSampleId :
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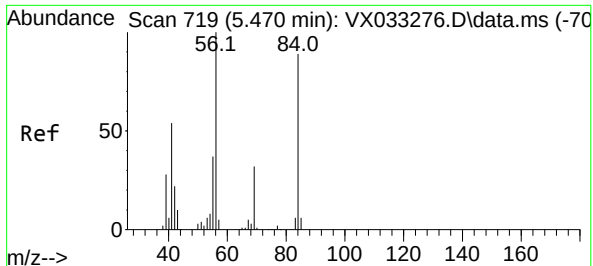
Tgt Ion: 43 Resp: 7872
Ion Ratio Lower Upper
43 100
72 25.9 22.2 33.2



#29
Tetrahydrofuran
Concen: 0.703 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.019 min
Lab File: VX033426.D
Acq: 14 Dec 2022 17:49

Tgt Ion: 42 Resp: 376
Ion Ratio Lower Upper
42 100
72 0.0 37.6 56.4#
71 0.0 34.7 52.1#

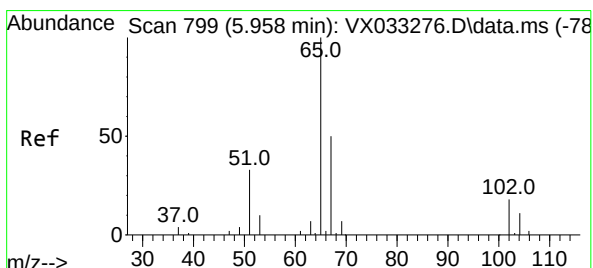
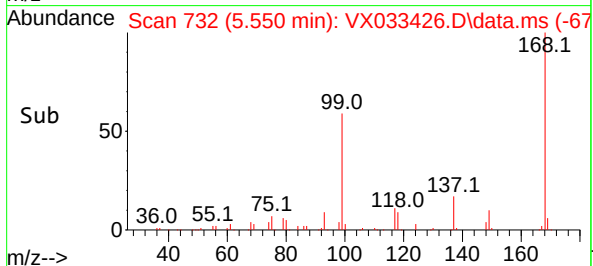
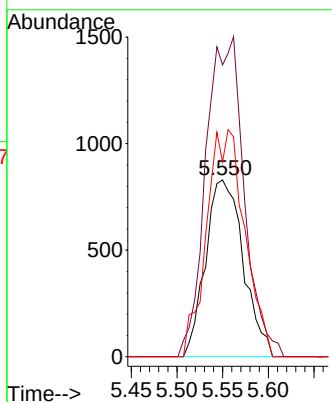
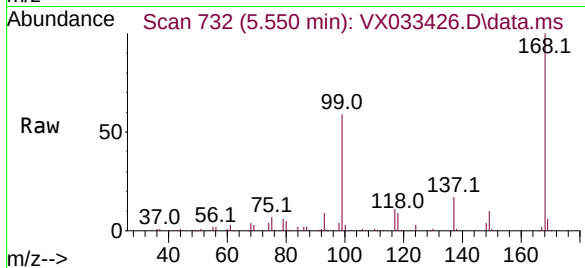




#31
Cyclohexane
Concen: 1.289 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX033426.D
Acq: 14 Dec 2022 17:49

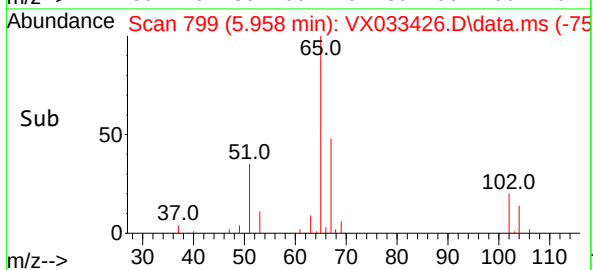
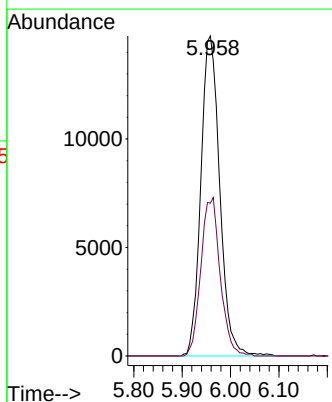
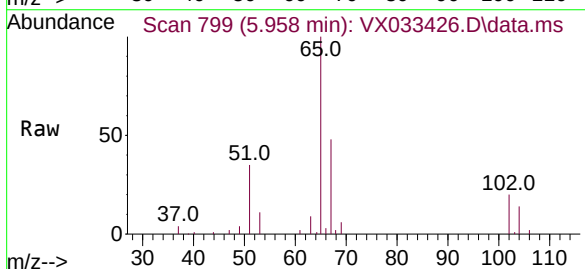
Instrument :
MSVOA_X
ClientSampleId :
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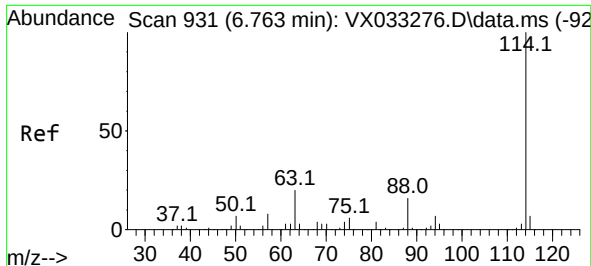
Tgt Ion: 56 Resp: 2380
Ion Ratio Lower Upper
56 100
69 164.9 24.1 36.1#
84 110.1 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 51.590 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033426.D
Acq: 14 Dec 2022 17:49

Tgt Ion: 65 Resp: 40076
Ion Ratio Lower Upper
65 100
67 50.6 0.0 101.8

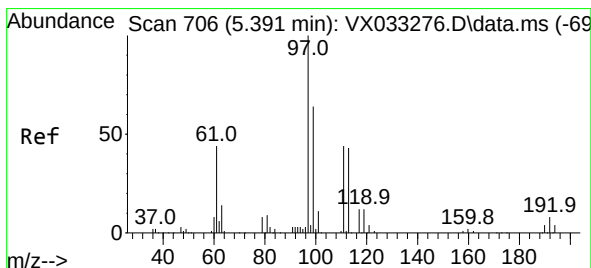
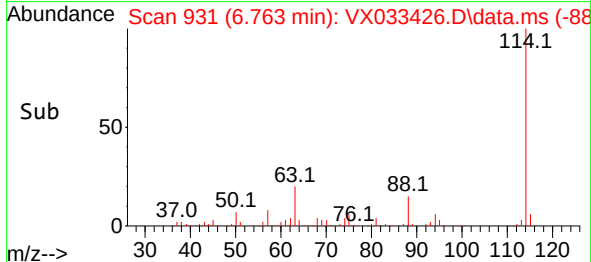
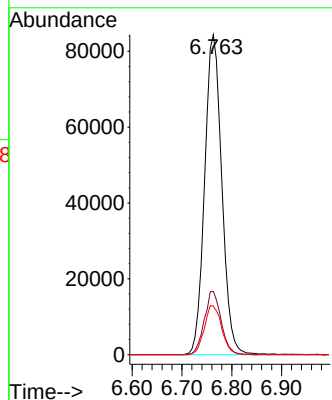
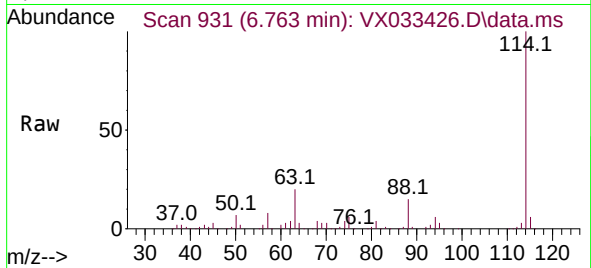




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX033426.D
Acq: 14 Dec 2022 17:49

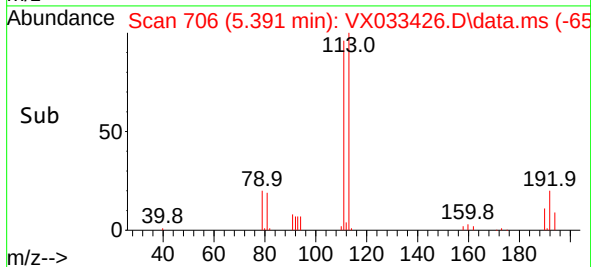
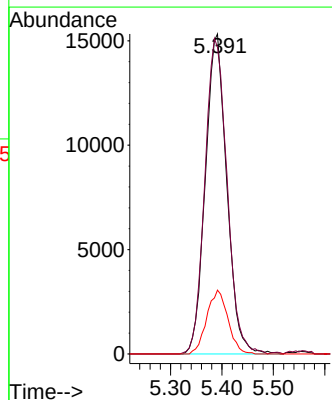
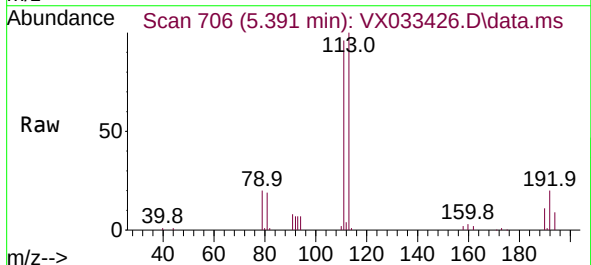
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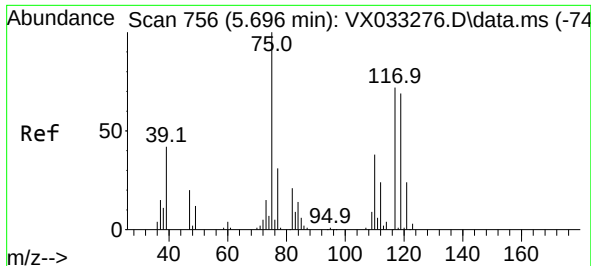
Tgt Ion:114 Resp: 201992
Ion Ratio Lower Upper
114 100
63 19.8 0.0 41.6
88 15.2 0.0 33.4



#35
Dibromofluoromethane
Concen: 48.872 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX033426.D
Acq: 14 Dec 2022 17:49

Tgt Ion:113 Resp: 44401
Ion Ratio Lower Upper
113 100
111 102.1 82.4 123.6
192 19.6 15.4 23.2

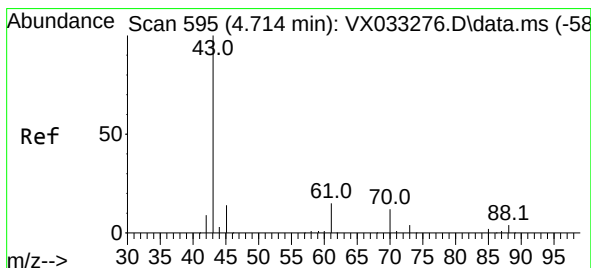
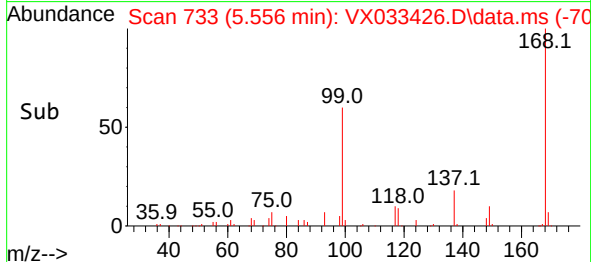
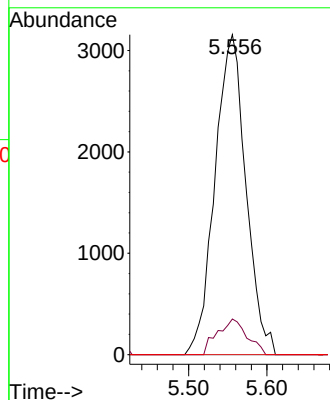
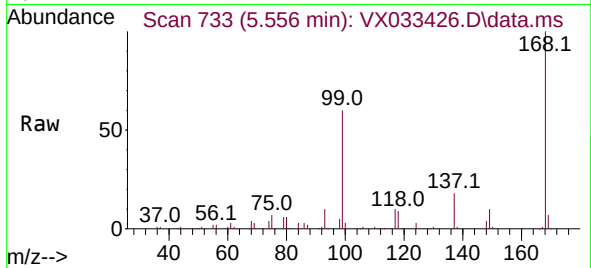




#36
1,1-Dichloropropene
Concen: 4.887 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX033426.D
Acq: 14 Dec 2022 17:49

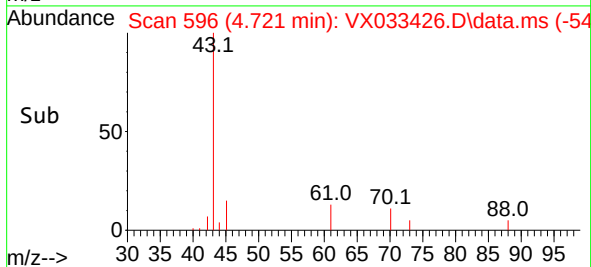
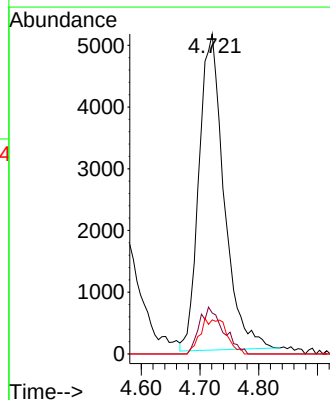
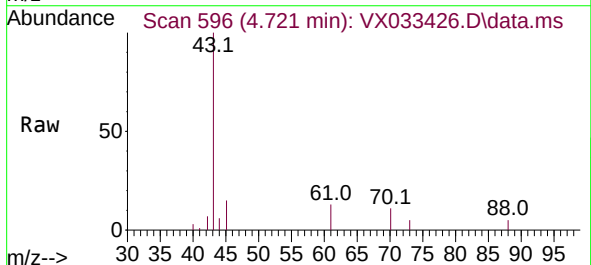
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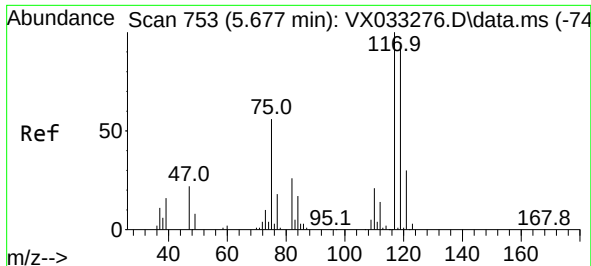
Tgt Ion: 75 Resp: 8657
Ion Ratio Lower Upper
75 100
110 10.7 18.4 55.2#
77 0.0 24.5 36.7#



#37
Ethyl Acetate
Concen: 9.077 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.006 min
Lab File: VX033426.D
Acq: 14 Dec 2022 17:49

Tgt Ion: 43 Resp: 15199
Ion Ratio Lower Upper
43 100
61 14.2 11.5 17.3
70 11.7 9.1 13.7

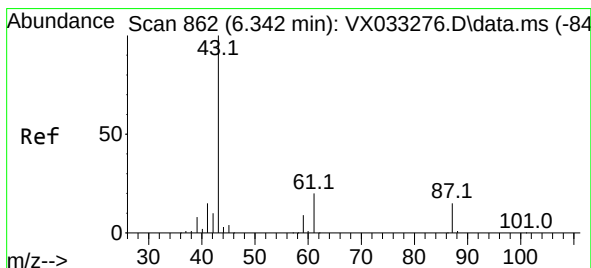
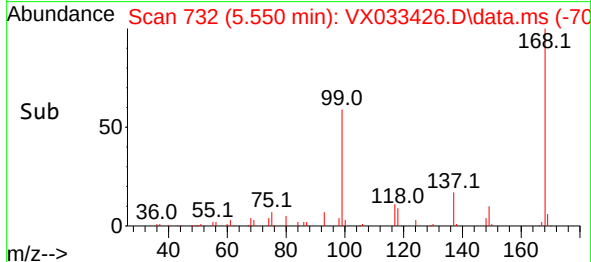
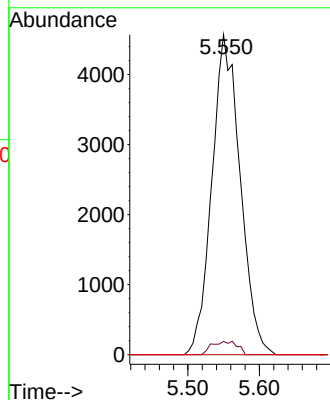
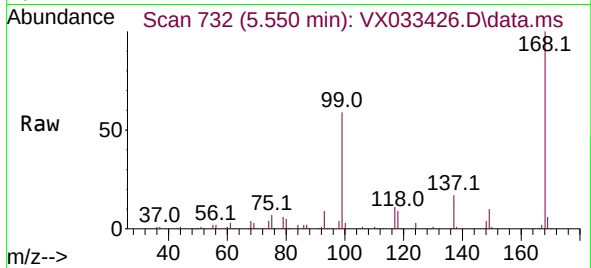




#38
Carbon Tetrachloride
Concen: 6.324 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX033426.D
Acq: 14 Dec 2022 17:49

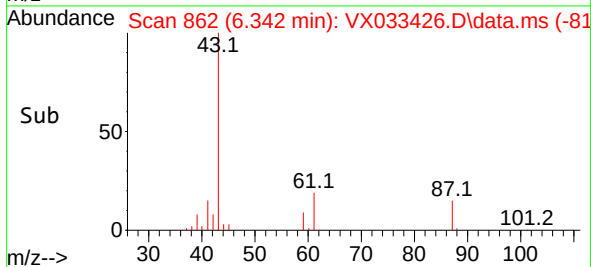
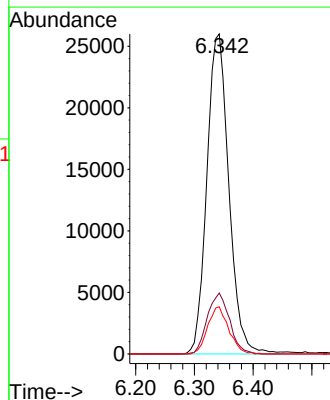
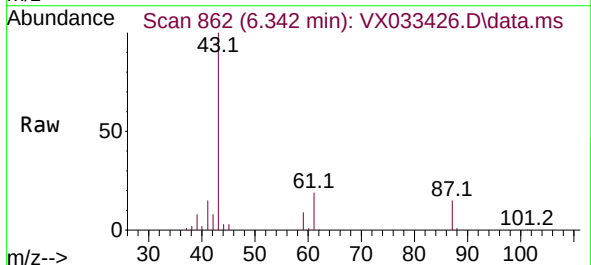
Instrument :
MSVOA_X
ClientSampleId :
MH-22

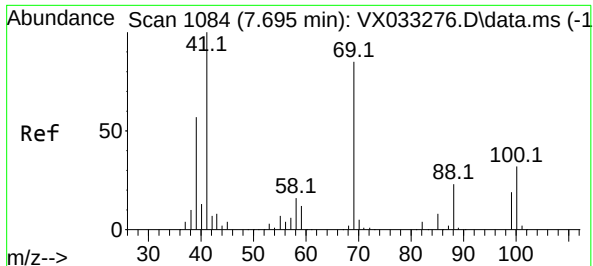
Tgt Ion:117 Resp: 12551
Ion Ratio Lower Upper
117 100
119 4.2 77.2 115.8#
121 0.0 25.8 38.6#



#43
Isopropyl Acetate
Concen: 25.095 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX033426.D
Acq: 14 Dec 2022 17:49

Tgt Ion: 43 Resp: 67607
Ion Ratio Lower Upper
43 100
61 19.3 15.4 23.0
87 14.1 10.8 16.2





#48

Methyl methacrylate

Concen: 45.854 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.098 min

Lab File: VX033426.D

Acq: 14 Dec 2022 17:49

Instrument :

MSVOA_X

ClientSampleId :

MH-22

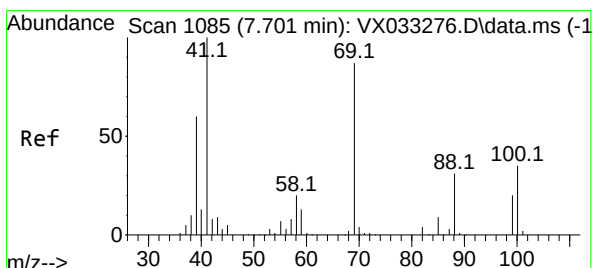
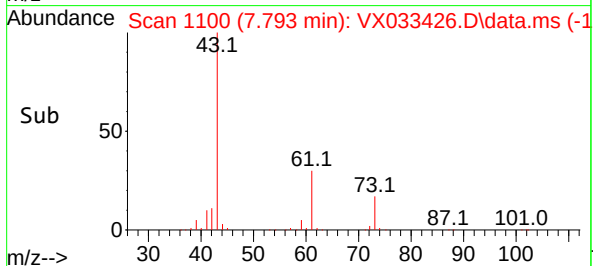
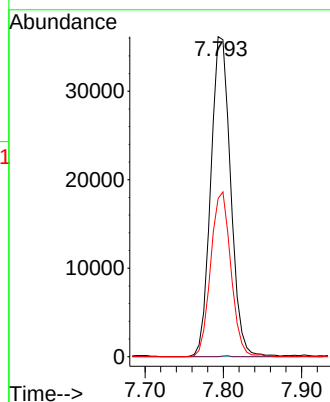
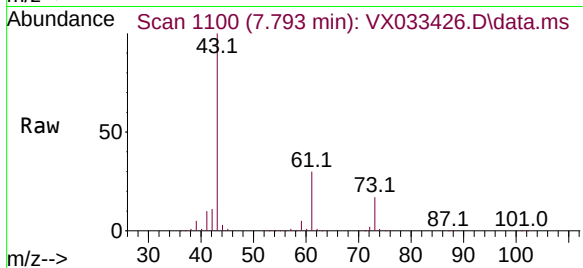
Tgt Ion: 41 Resp: 63757

Ion Ratio Lower Upper

41 100

69 0.1 65.1 97.7#

39 52.2 51.9 77.9



#49

1,4-Dioxane

Concen: 2.302 ug/l

RT: 7.787 min Scan# 1099

Delta R.T. 0.086 min

Lab File: VX033426.D

Acq: 14 Dec 2022 17:49

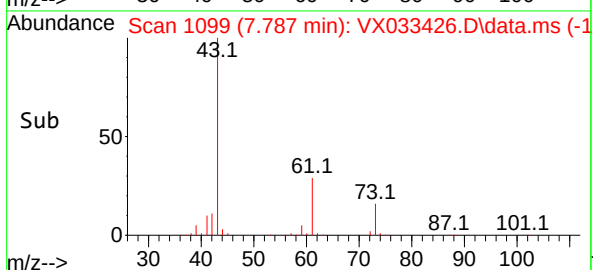
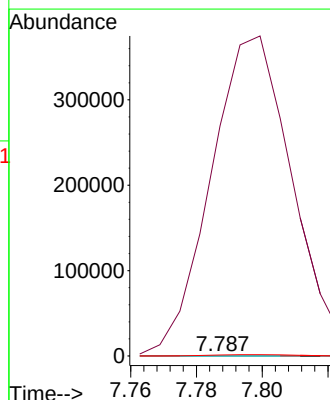
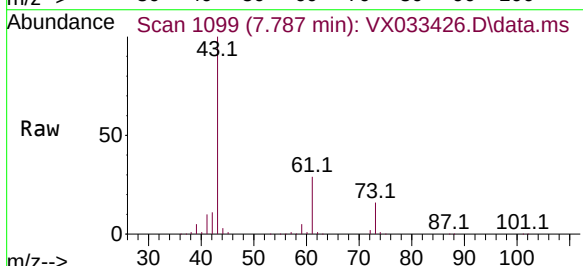
Tgt Ion: 88 Resp: 73

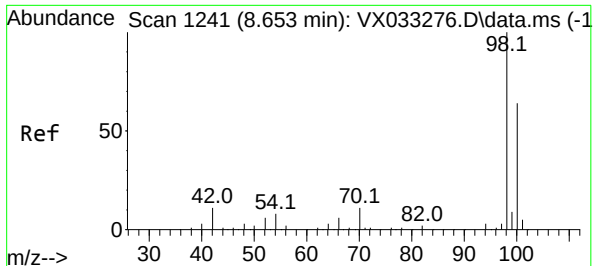
Ion Ratio Lower Upper

88 100

43 894243.8 26.6 39.8#

58 3776.7 51.7 77.5#





#50

Toluene-d8

Concen: 48.954 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX033426.D

Acq: 14 Dec 2022 17:49

Instrument :

MSVOA_X

ClientSampleId :

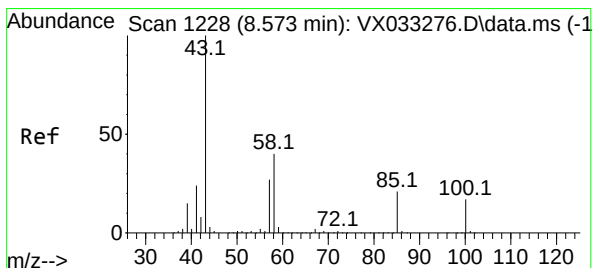
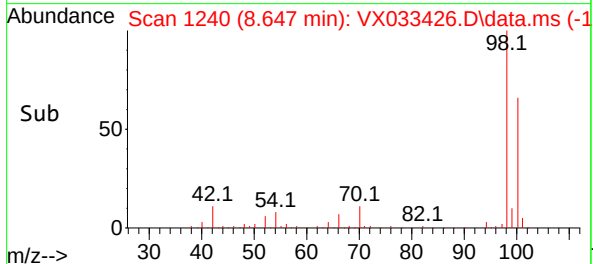
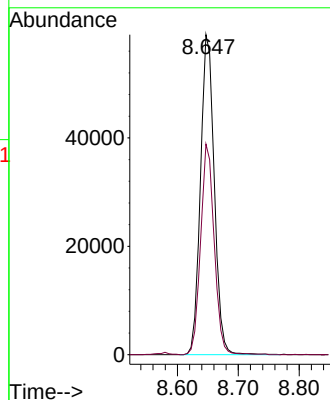
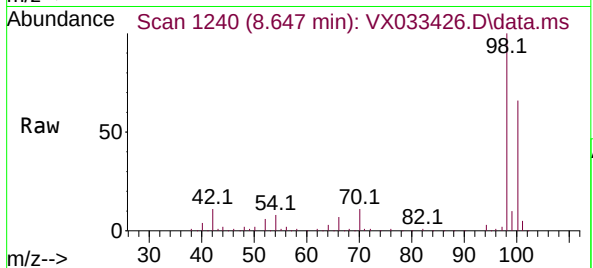
MH-22

Tgt Ion: 98 Resp: 93040

Ion Ratio Lower Upper

98 100

100 64.7 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 31.830 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.024 min

Lab File: VX033426.D

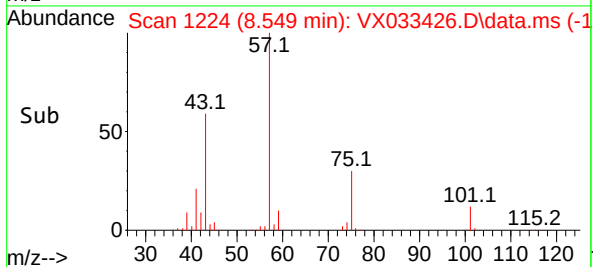
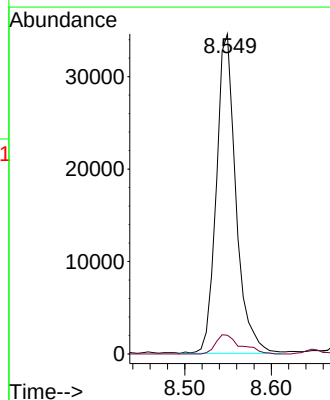
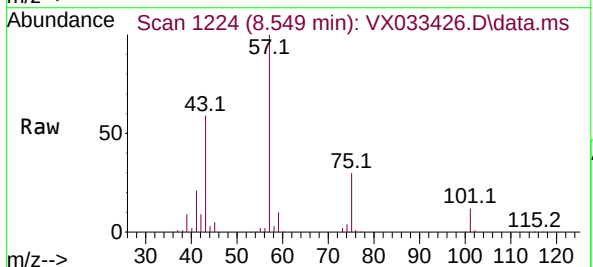
Acq: 14 Dec 2022 17:49

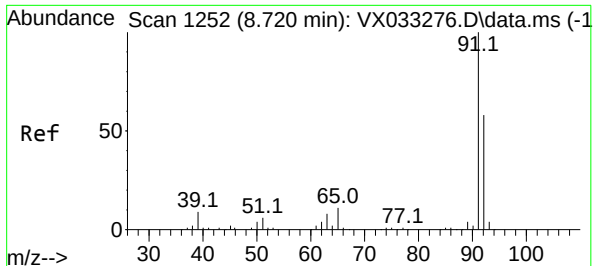
Tgt Ion: 43 Resp: 54229

Ion Ratio Lower Upper

43 100

58 7.7 30.9 46.3#

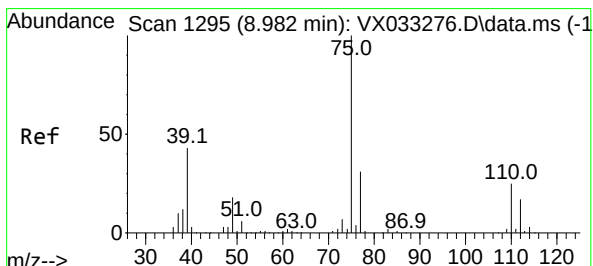
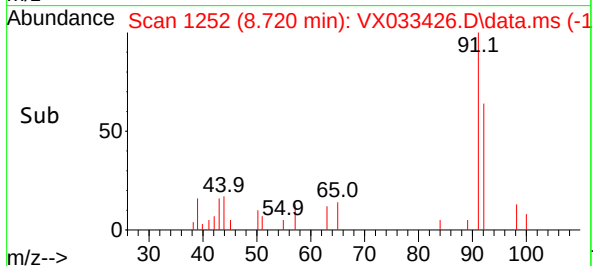
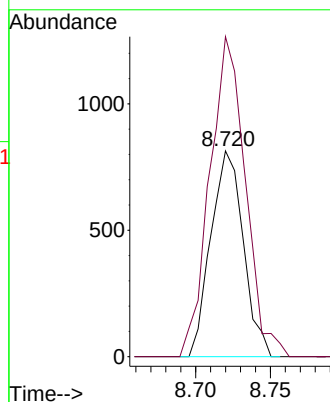
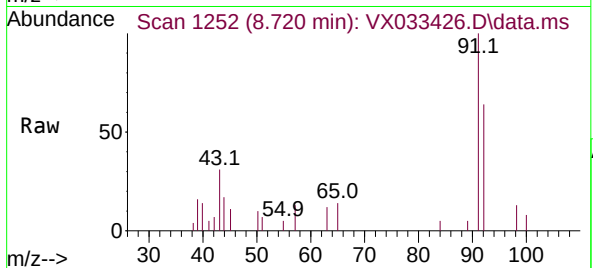




#52
Toluene
Concen: 0.368 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX033426.D
Acq: 14 Dec 2022 17:49

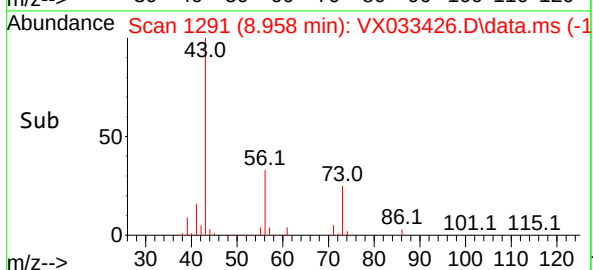
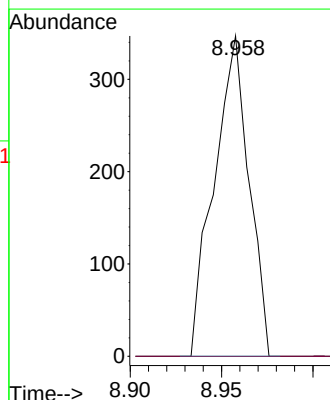
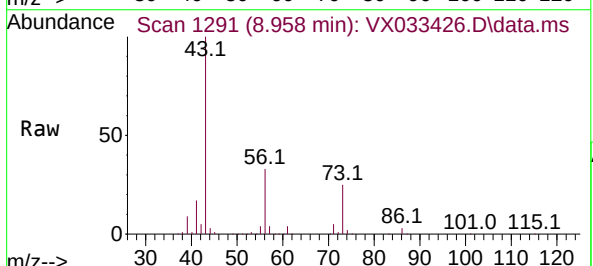
Instrument :
MSVOA_X
ClientSampleId :
MH-22

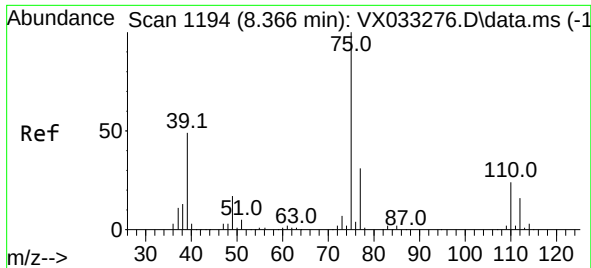
Tgt Ion: 92 Resp: 1229
Ion Ratio Lower Upper
92 100
91 170.7 138.3 207.5



#53
t-1,3-Dichloropropene
Concen: 2.713 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.024 min
Lab File: VX033426.D
Acq: 14 Dec 2022 17:49

Tgt Ion: 75 Resp: 461
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#

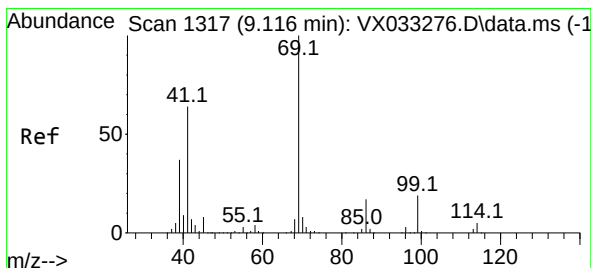
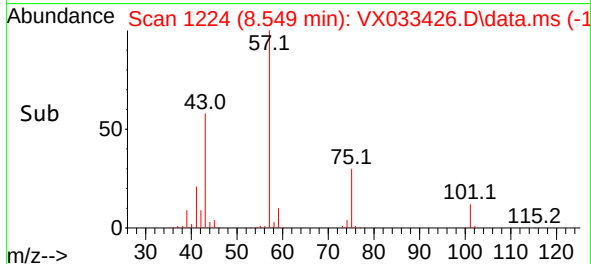
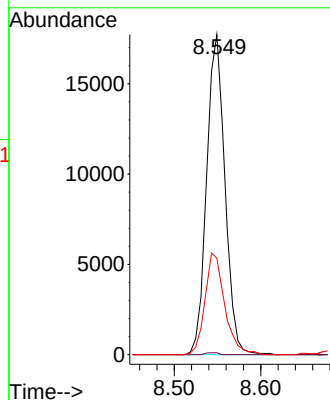
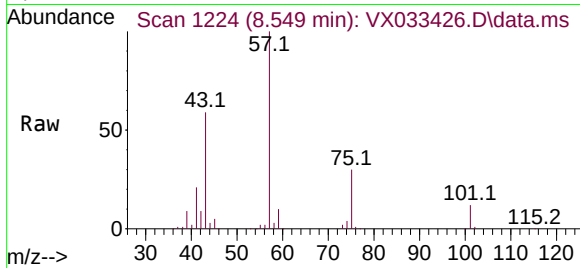




#54
 cis-1,3-Dichloropropene
 Concen: 12.463 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX033426.D
 Acq: 14 Dec 2022 17:49

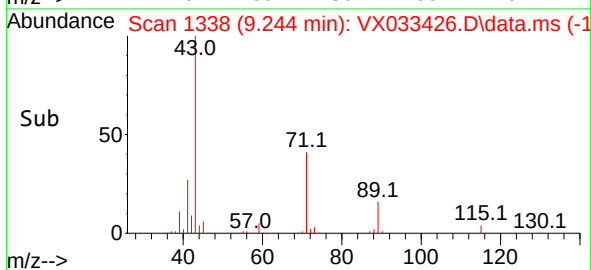
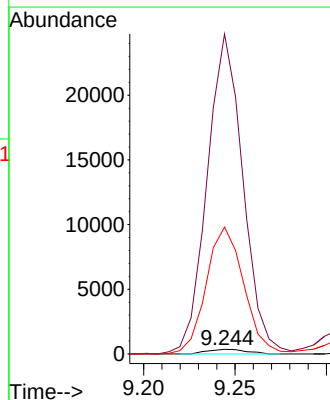
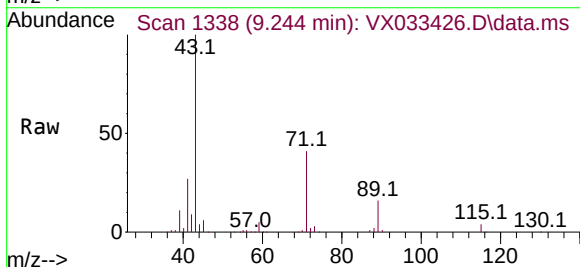
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-22

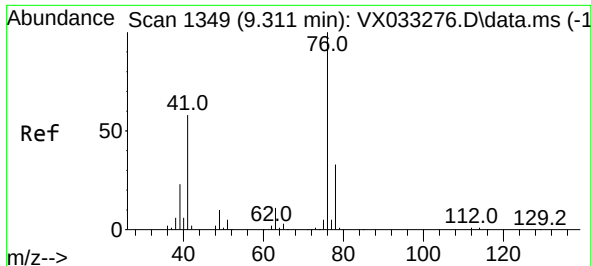
Tgt Ion: 75 Resp: 26011
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.1 37.7#
 39 30.1 45.5 68.3#



#56
 Ethyl methacrylate
 Concen: 0.270 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX033426.D
 Acq: 14 Dec 2022 17:49

Tgt Ion: 69 Resp: 534
 Ion Ratio Lower Upper
 69 100
 41 6335.8 54.3 81.5#
 39 2633.1 35.2 52.8#





#57

1,3-Dichloropropane

Concen: 1.506 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX033426.D

Acq: 14 Dec 2022 17:49

Instrument :

MSVOA_X

ClientSampleId :

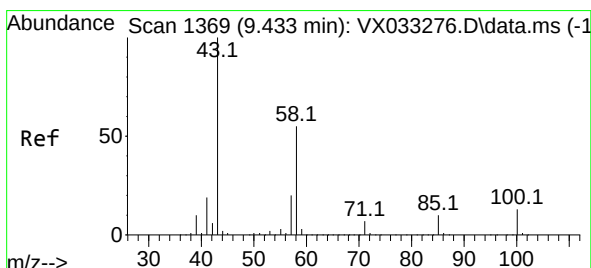
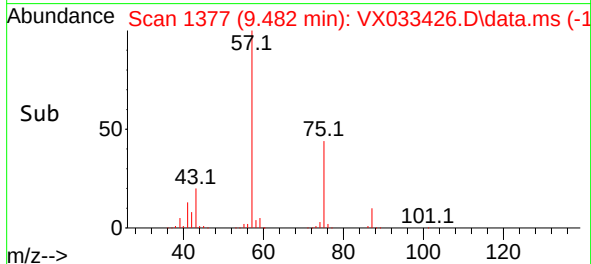
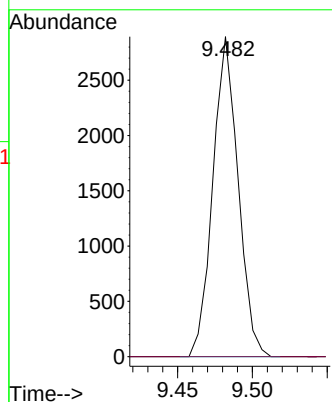
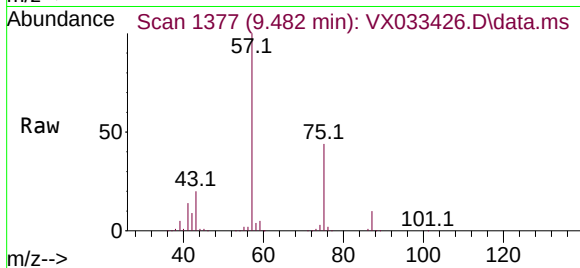
MH-22

Tgt Ion: 76 Resp: 3395

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 36.137 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX033426.D

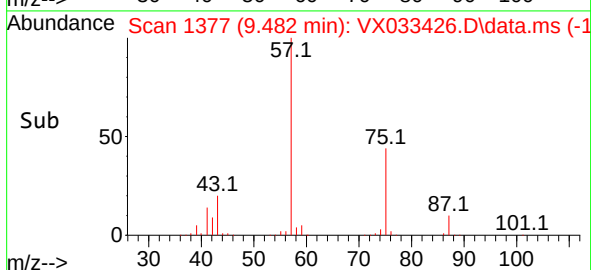
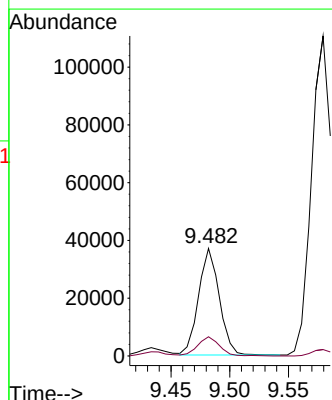
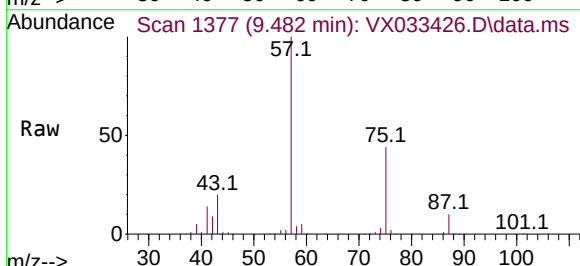
Acq: 14 Dec 2022 17:49

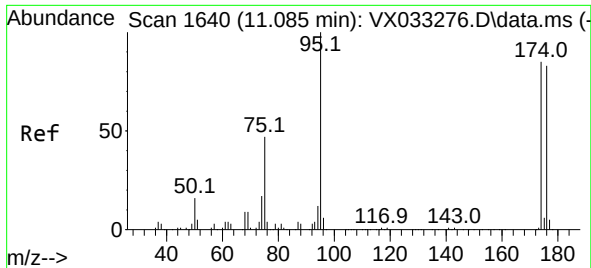
Tgt Ion: 43 Resp: 45371

Ion Ratio Lower Upper

43 100

58 19.0 26.5 79.5#

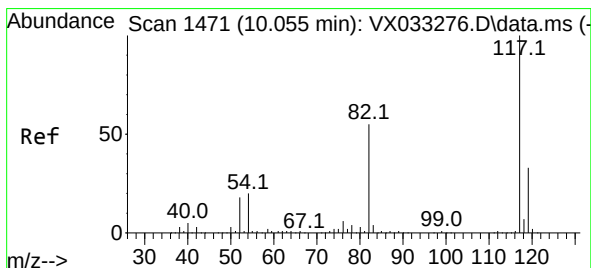
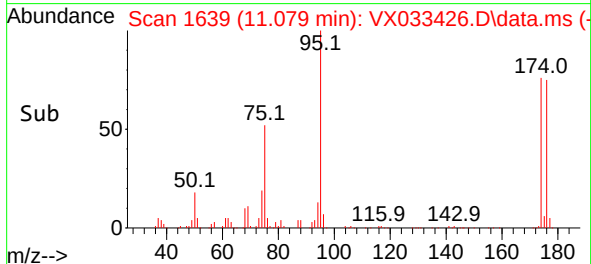
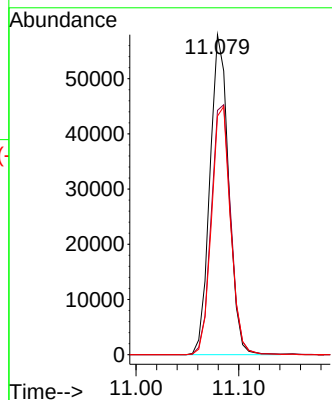
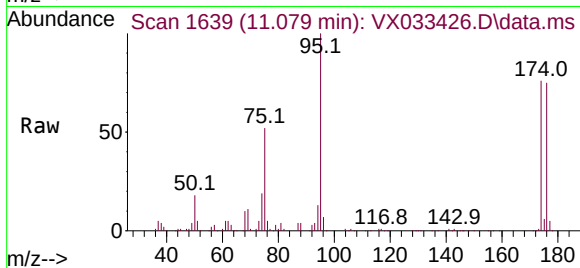




#62
4-Bromofluorobenzene
Concen: 50.763 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX033426.D
Acq: 14 Dec 2022 17:49

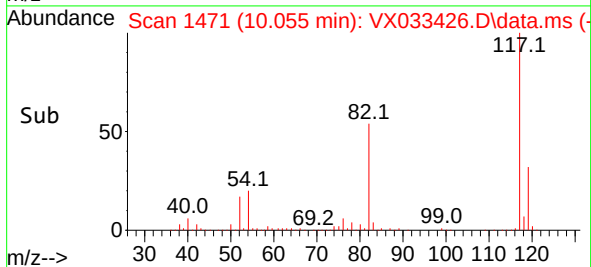
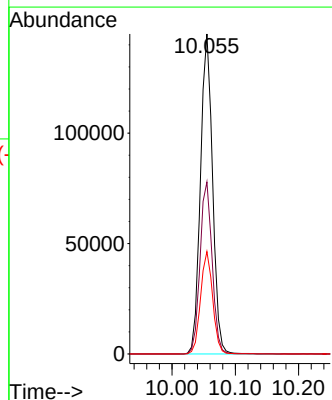
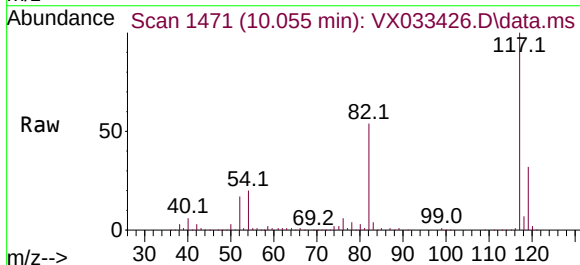
Instrument :
MSVOA_X
ClientSampleId :
MH-22

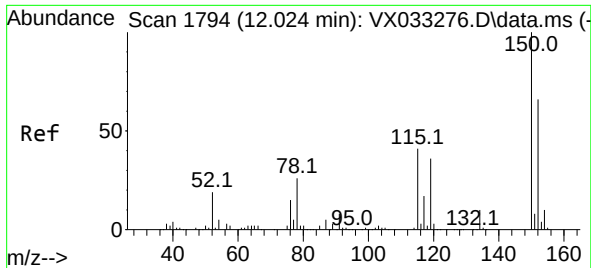
Tgt Ion: 95 Resp: 73769
Ion Ratio Lower Upper
95 100
174 81.5 0.0 164.0
176 78.7 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033426.D
Acq: 14 Dec 2022 17:49

Tgt Ion: 117 Resp: 193250
Ion Ratio Lower Upper
117 100
82 53.8 44.3 66.5
119 32.0 25.7 38.5

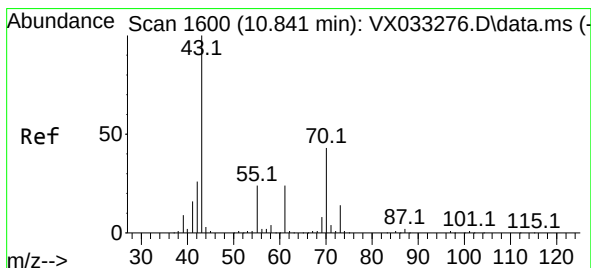
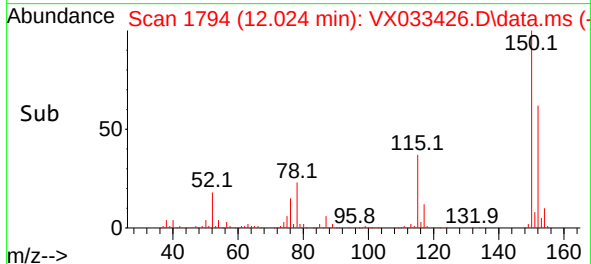
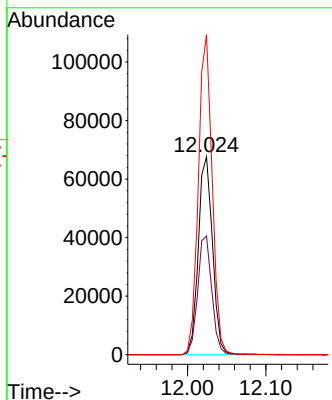
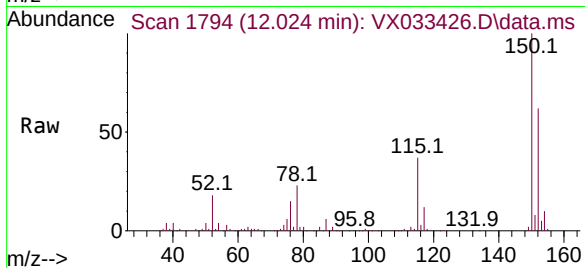




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX033426.D
Acq: 14 Dec 2022 17:49

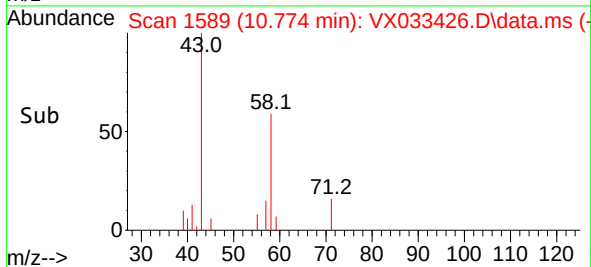
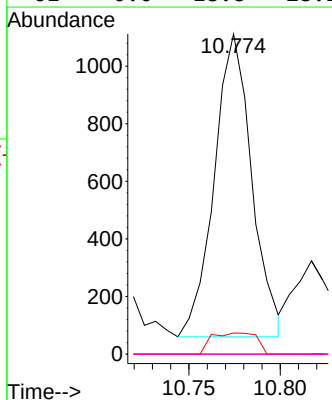
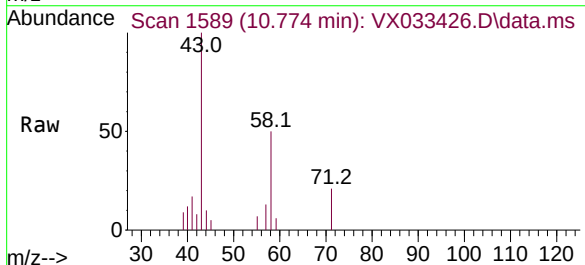
Instrument :
MSVOA_X
ClientSampleId :
MH-22

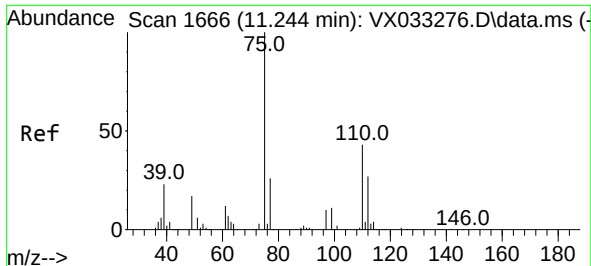
Tgt Ion:152 Resp: 85096
Ion Ratio Lower Upper
152 100
115 60.1 44.0 132.0
150 157.6 0.0 351.8



#74
N-ethyl acetate
Concen: 0.713 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.067 min
Lab File: VX033426.D
Acq: 14 Dec 2022 17:49

Tgt Ion: 43 Resp: 1501
Ion Ratio Lower Upper
43 100
70 0.0 33.6 50.4#
55 8.3 19.4 29.2#
61 0.0 18.8 28.2#

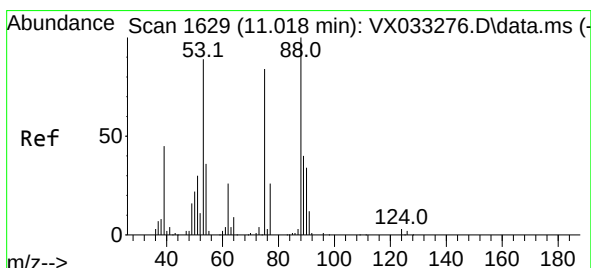
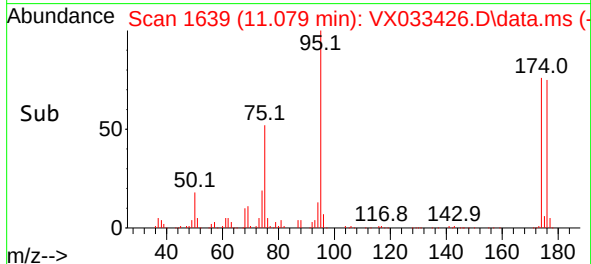
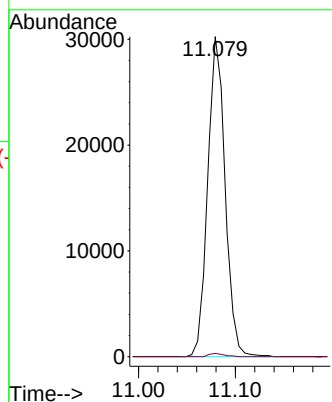
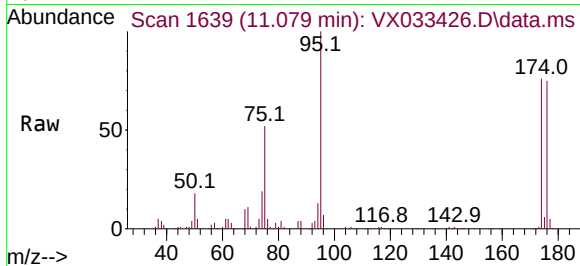




#76
1,2,3-Trichloropropane
Concen: 21.870 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX033426.D
Acq: 14 Dec 2022 17:49

Instrument :
MSVOA_X
ClientSampleId :
MH-22

Tgt Ion: 75 Resp: 37864
Ion Ratio Lower Upper
75 100
77 0.9 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.032 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033426.D
Acq: 14 Dec 2022 17:49

Tgt Ion: 75 Resp: 37864
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

