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 Data File : VX033425.D
 Acq On : 14 Dec 2022 17:25
 Operator : JC/MD
 Sample : N6024-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

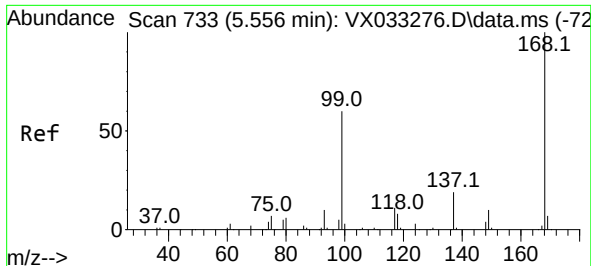
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-21

Quant Time: Dec 14 22:52:22 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	126620	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	206051	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	198647	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	87556	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	39116	48.154	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.300%		
35) Dibromofluoromethane	5.391	113	42820	46.203	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.400%		
50) Toluene-d8	8.647	98	91758	47.328	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.660%		
62) 4-Bromofluorobenzene	11.079	95	72627	48.992	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.980%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.276	50	212	0.207	ug/l #	43
11) Tert butyl alcohol	2.946	59	5263	21.192	ug/l #	73
16) Acetone	2.385	43	10287	17.114	ug/l	96
18) Methyl Acetate	2.702	43	1488	0.855	ug/l	91
20) Methylene Chloride	2.788	84	6076	4.533	ug/l	89
25) 2-Butanone	4.562	43	7447	8.631	ug/l	94
29) Tetrahydrofuran	5.025	42	122	0.218	ug/l #	55
31) Cyclohexane	5.556	56	2575	1.334	ug/l #	13
36) 1,1-Dichloropropene	5.556	75	9556	5.289	ug/l #	50
37) Ethyl Acetate	4.720	43	15426	9.031	ug/l	99
38) Carbon Tetrachloride	5.550	117	12976	6.410	ug/l #	15
43) Isopropyl Acetate	6.342	43	68089	24.776	ug/l	99
48) Methyl methacrylate	7.799	41	64834	45.710	ug/l #	42
49) 1,4-Dioxane	7.787	88	21	0.649	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	54758	31.507	ug/l #	50
52) Toluene	8.720	92	1166	0.342	ug/l	99
53) t-1,3-Dichloropropene	8.957	75	449	2.704	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	26115	12.266	ug/l #	59
56) Ethyl methacrylate	9.244	69	533	0.264	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3171	1.379	ug/l #	42
59) 2-Hexanone	9.482	43	45236	35.320	ug/l #	53
74) N-amyl acetate	10.768	43	1204	0.556	ug/l #	48
76) 1,2,3-Trichloropropane	11.079	75	36486	20.482	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36486	63.714	ug/l #	6

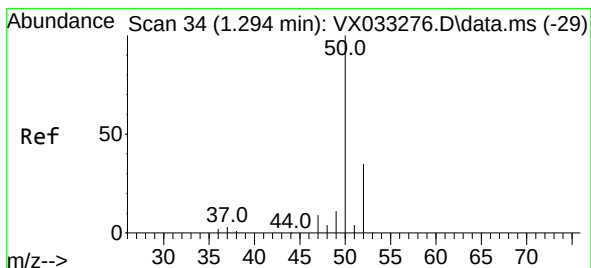
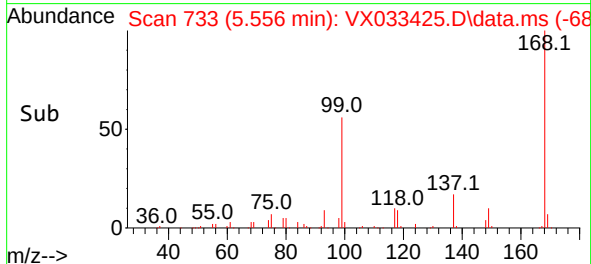
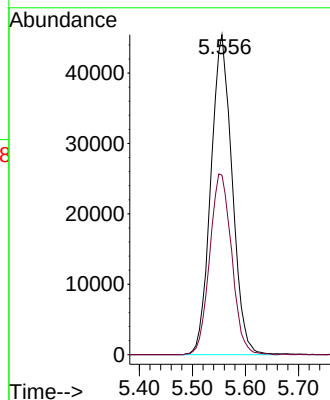
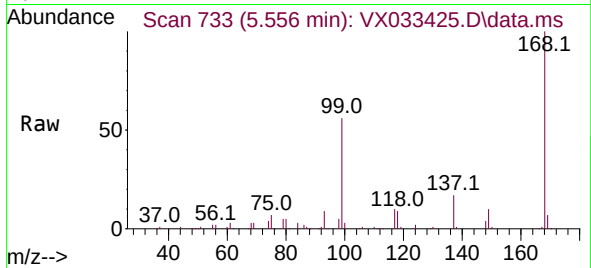
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033425.D
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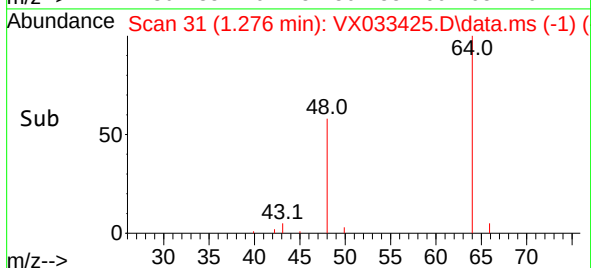
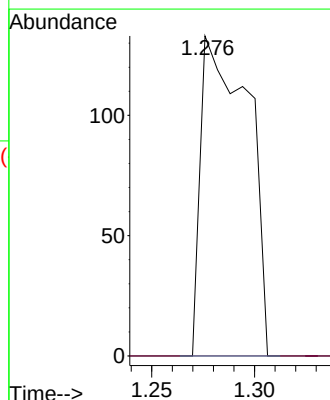
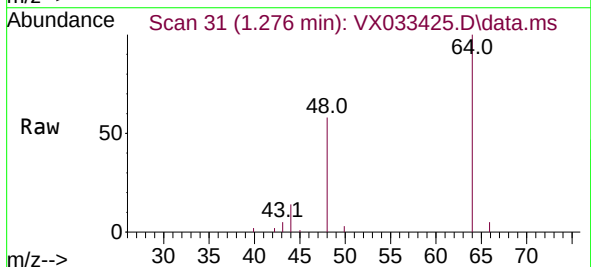
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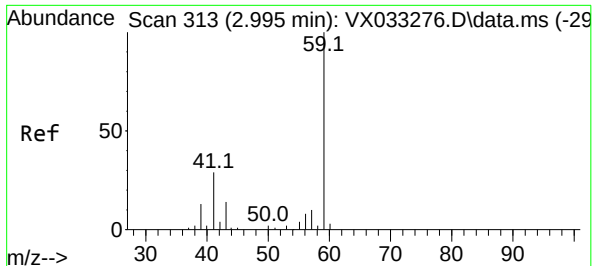
Tgt Ion:168 Resp: 126620
Ion Ratio Lower Upper
168 100
99 56.1 46.1 69.1



#3
Chloromethane
Concen: 0.207 ug/l
RT: 1.276 min Scan# 31
Delta R.T. -0.018 min
Lab File: VX033425.D
Acq: 14 Dec 2022 17:25

Tgt Ion: 50 Resp: 212
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#





#11

Tert butyl alcohol

Concen: 21.192 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.049 min

Lab File: VX033425.D

Acq: 14 Dec 2022 17:25

Instrument :

MSVOA_X

ClientSampleId :

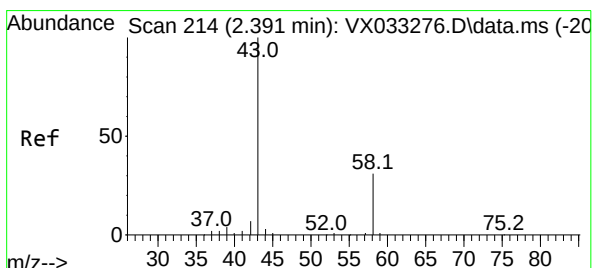
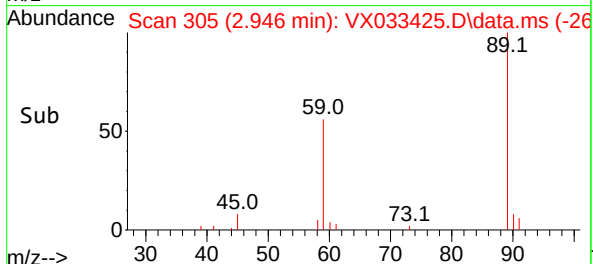
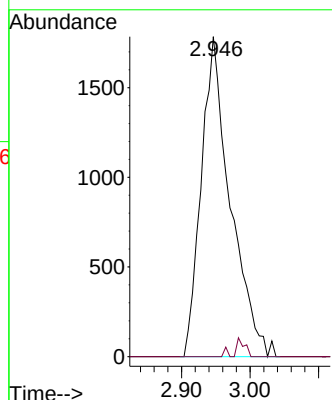
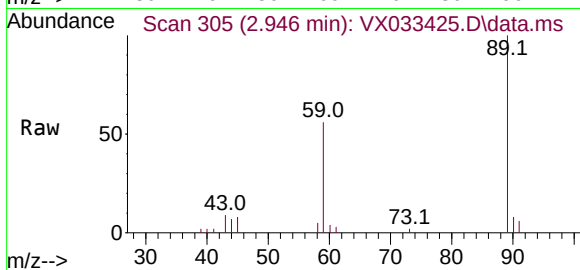
MH-21

Tgt Ion: 59 Resp: 5263

Ion Ratio Lower Upper

59 100

57 0.4 8.2 12.4#



#16

Acetone

Concen: 17.114 ug/l

RT: 2.385 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX033425.D

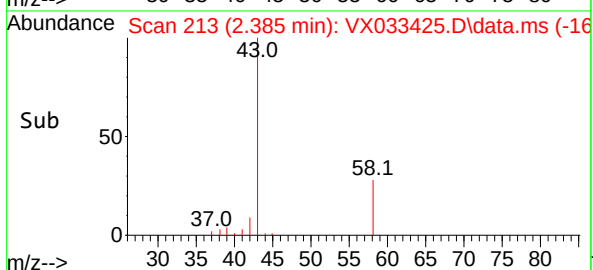
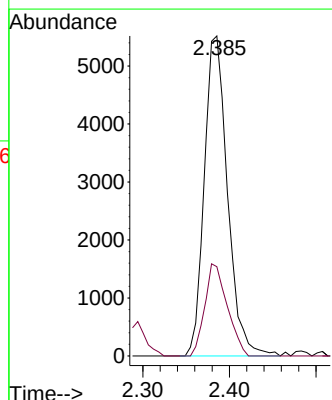
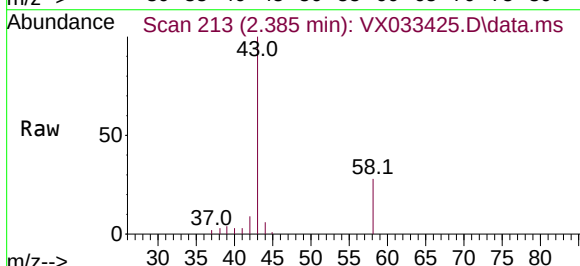
Acq: 14 Dec 2022 17:25

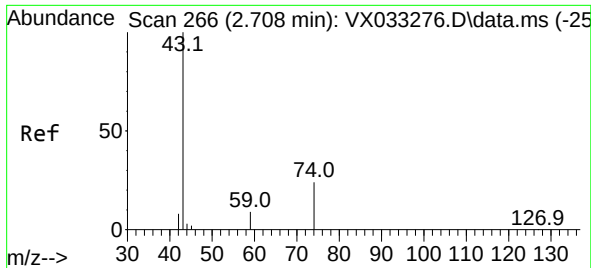
Tgt Ion: 43 Resp: 10287

Ion Ratio Lower Upper

43 100

58 27.9 23.8 35.8

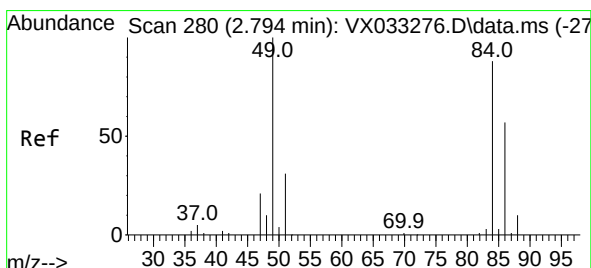
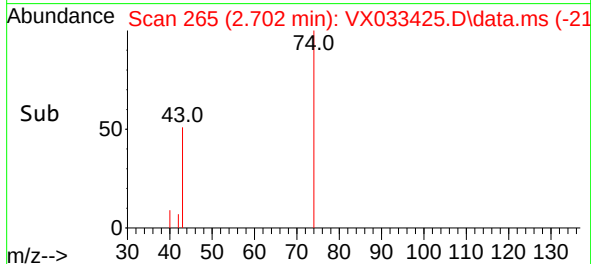
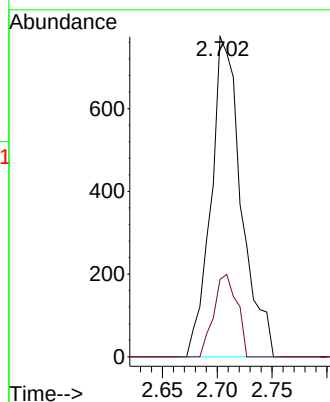
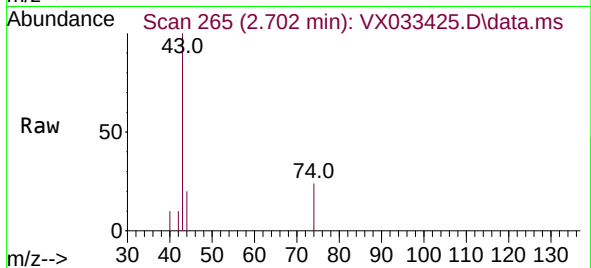




#18
Methyl Acetate
Concen: 0.855 ug/l
RT: 2.702 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX033425.D
Acq: 14 Dec 2022 17:25

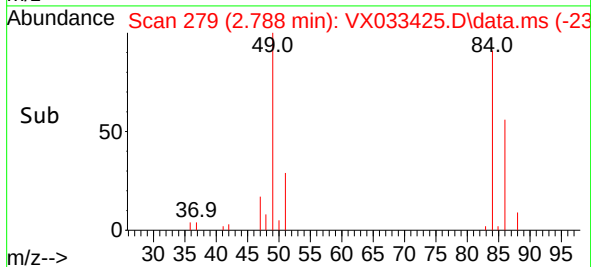
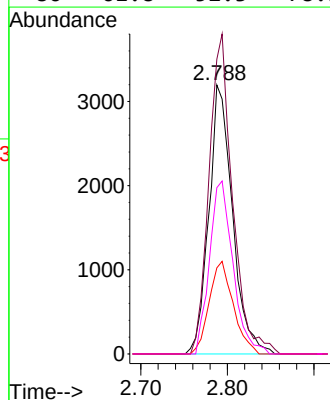
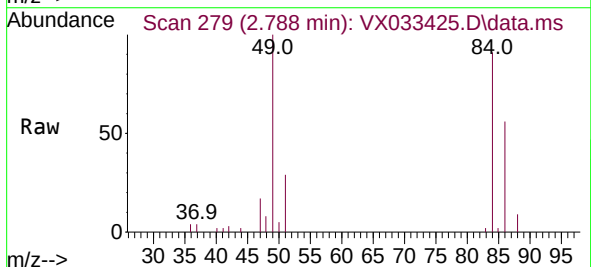
Instrument :
MSVOA_X
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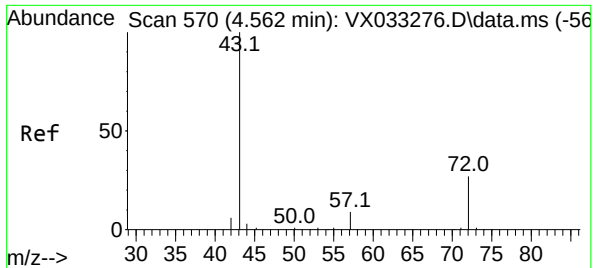
Tgt Ion: 43 Resp: 1488
Ion Ratio Lower Upper
43 100
74 19.7 19.4 29.0



#20
Methylene Chloride
Concen: 4.533 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX033425.D
Acq: 14 Dec 2022 17:25

Tgt Ion: 84 Resp: 6076
Ion Ratio Lower Upper
84 100
49 109.6 101.0 151.6
51 32.0 31.1 46.7
86 61.8 52.3 78.5

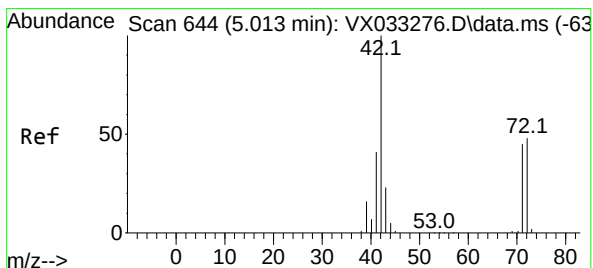
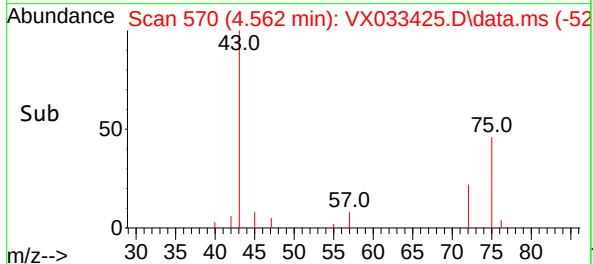
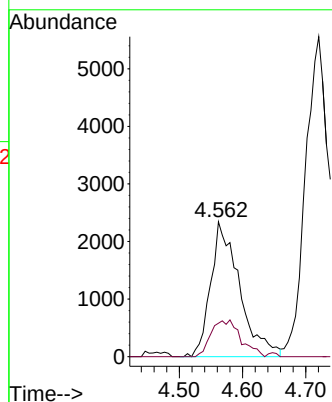
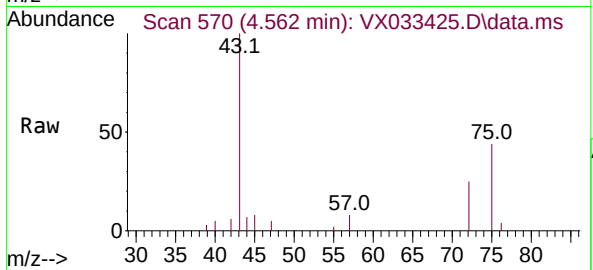




#25
2-Butanone
Concen: 8.631 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX033425.D
Acq: 14 Dec 2022 17:25

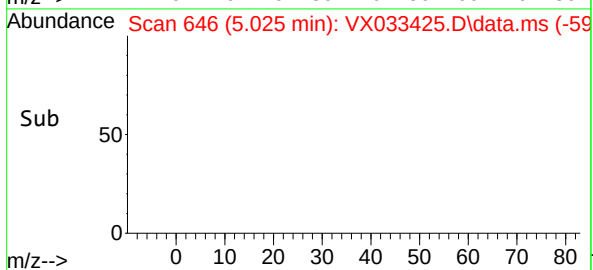
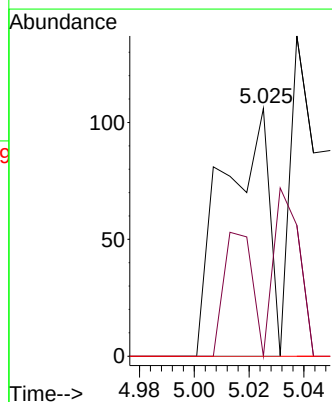
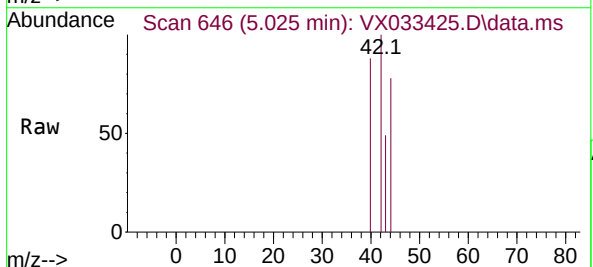
Instrument :
MSVOA_X
ClientSampleId :
MH-21

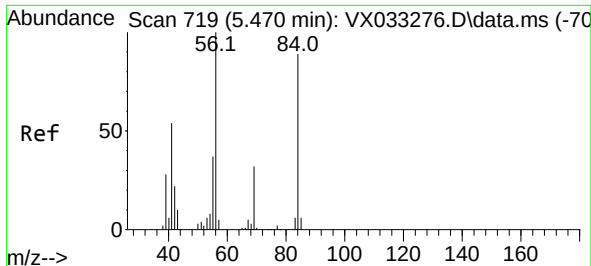
Tgt Ion: 43 Resp: 7447
Ion Ratio Lower Upper
43 100
72 24.8 22.2 33.2



#29
Tetrahydrofuran
Concen: 0.218 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.012 min
Lab File: VX033425.D
Acq: 14 Dec 2022 17:25

Tgt Ion: 42 Resp: 122
Ion Ratio Lower Upper
42 100
72 31.1 37.6 56.4#
71 0.0 34.7 52.1#

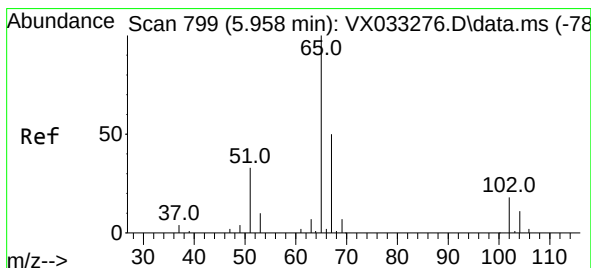
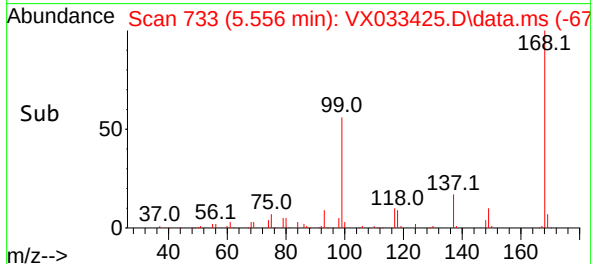
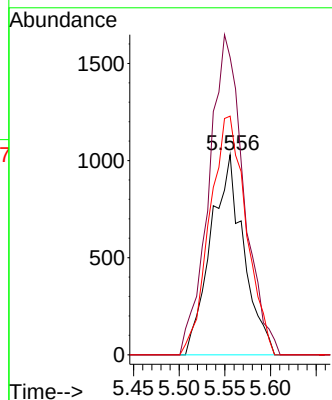
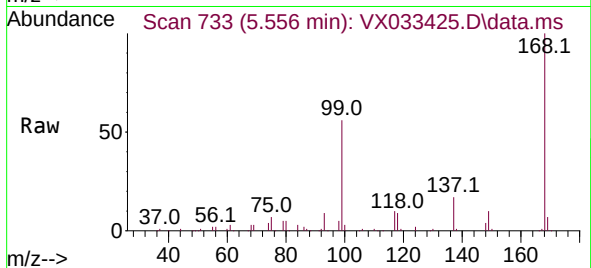




#31
Cyclohexane
Concen: 1.334 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX033425.D
Acq: 14 Dec 2022 17:25

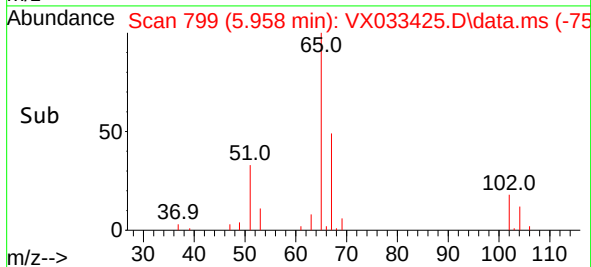
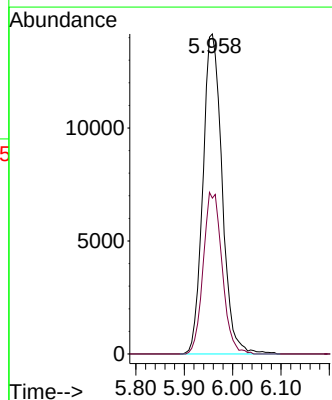
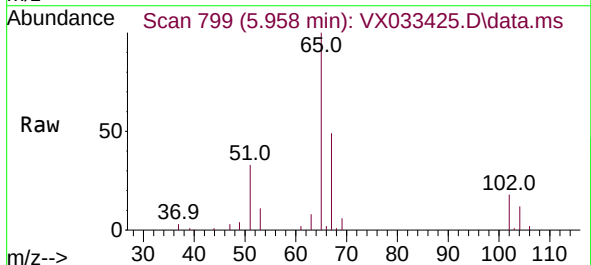
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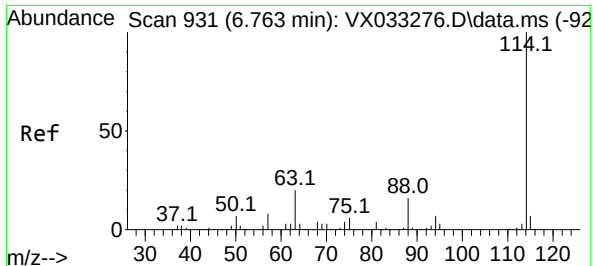
Tgt Ion: 56 Resp: 2575
Ion Ratio Lower Upper
56 100
69 148.6 24.1 36.1#
84 119.3 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 48.154 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033425.D
Acq: 14 Dec 2022 17:25

Tgt Ion: 65 Resp: 39116
Ion Ratio Lower Upper
65 100
67 49.8 0.0 101.8

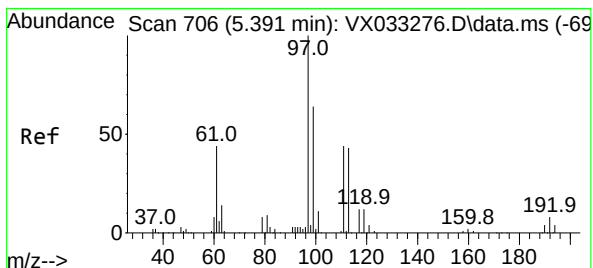
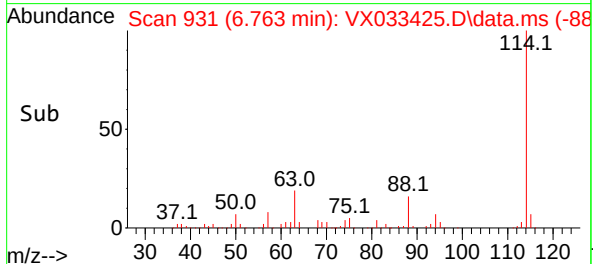
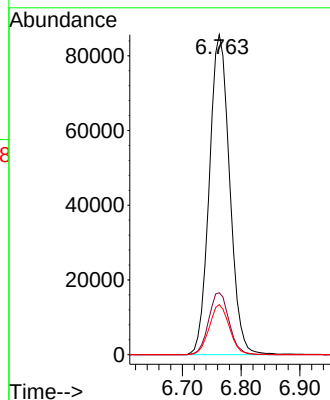
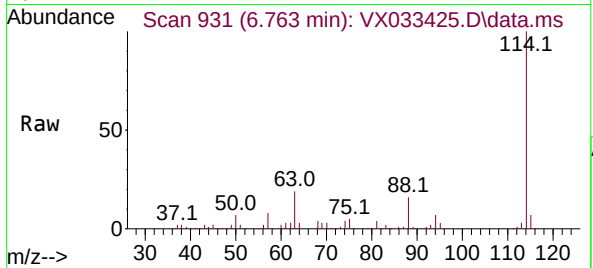




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX033425.D
Acq: 14 Dec 2022 17:25

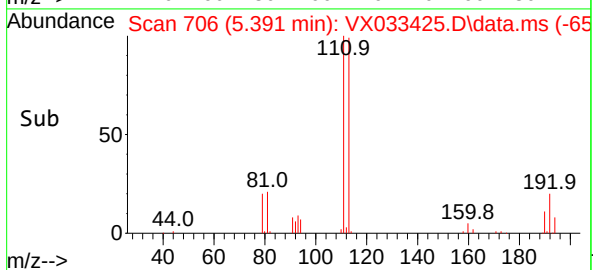
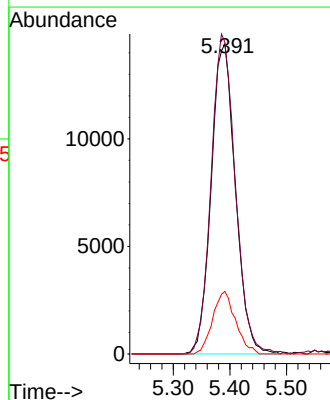
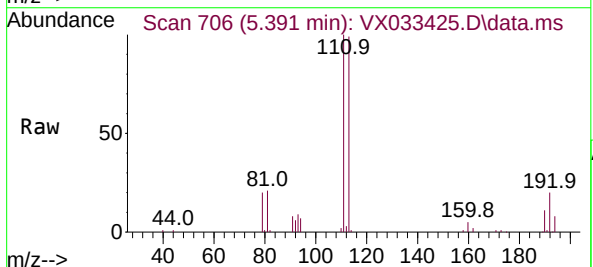
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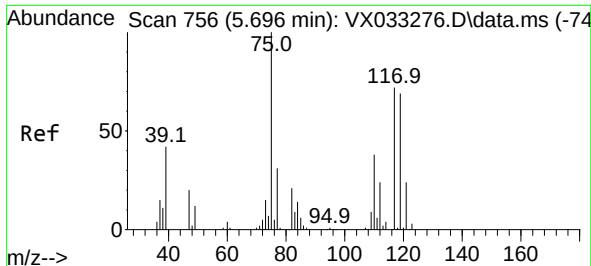
Tgt Ion:114 Resp: 206051
Ion Ratio Lower Upper
114 100
63 19.4 0.0 41.6
88 15.6 0.0 33.4



#35
Dibromofluoromethane
Concen: 46.203 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX033425.D
Acq: 14 Dec 2022 17:25

Tgt Ion:113 Resp: 42820
Ion Ratio Lower Upper
113 100
111 102.7 82.4 123.6
192 19.0 15.4 23.2

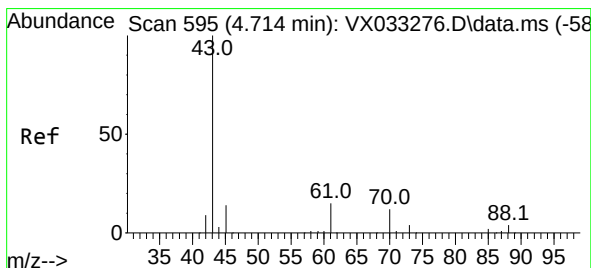
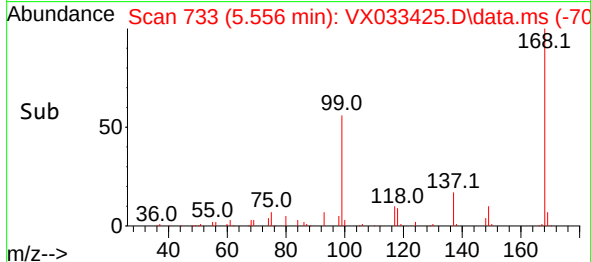
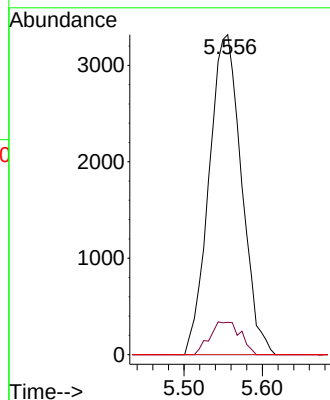
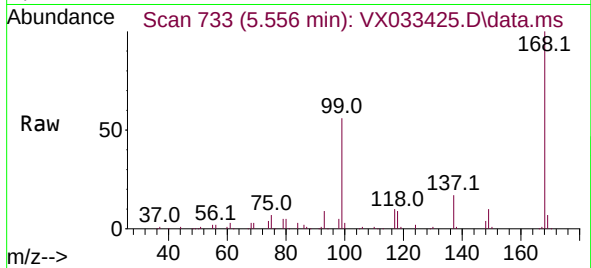




#36
1,1-Dichloropropene
Concen: 5.289 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX033425.D
Acq: 14 Dec 2022 17:25

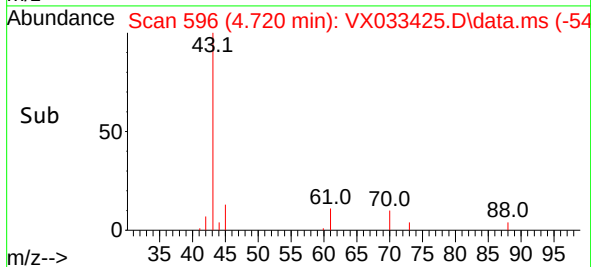
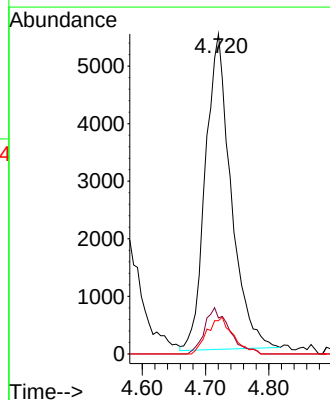
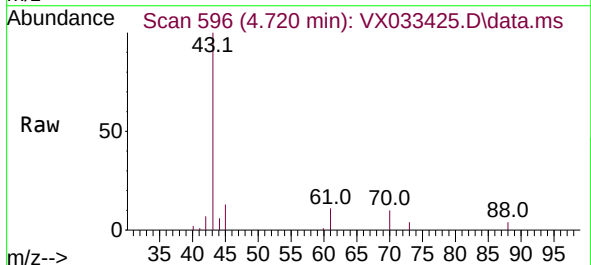
Instrument :
MSVOA_X
ClientSampleId :
MH-21

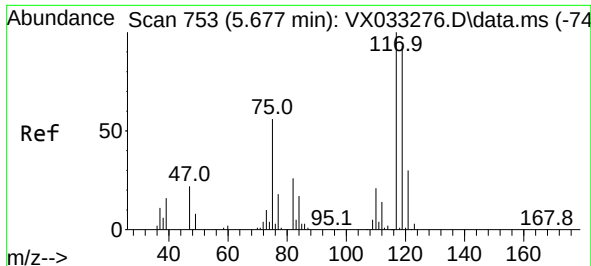
Tgt Ion: 75 Resp: 9556
Ion Ratio Lower Upper
75 100
110 9.7 18.4 55.2#
77 0.0 24.5 36.7#



#37
Ethyl Acetate
Concen: 9.031 ug/l
RT: 4.720 min Scan# 596
Delta R.T. 0.006 min
Lab File: VX033425.D
Acq: 14 Dec 2022 17:25

Tgt Ion: 43 Resp: 15426
Ion Ratio Lower Upper
43 100
61 14.1 11.5 17.3
70 11.8 9.1 13.7

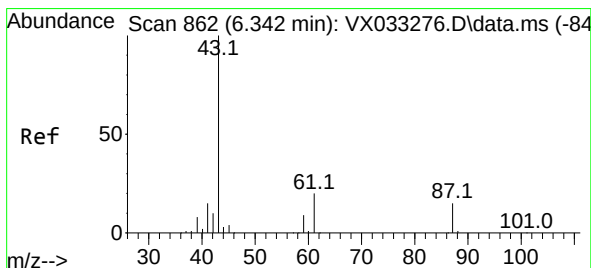
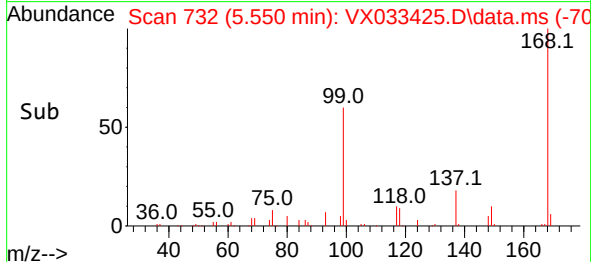
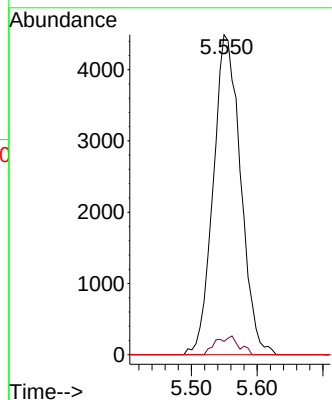
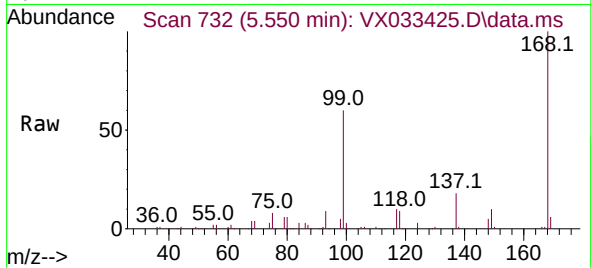




#38
Carbon Tetrachloride
Concen: 6.410 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX033425.D
Acq: 14 Dec 2022 17:25

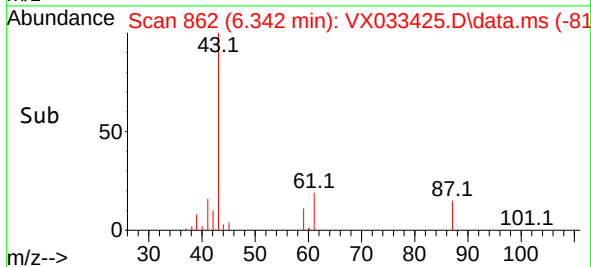
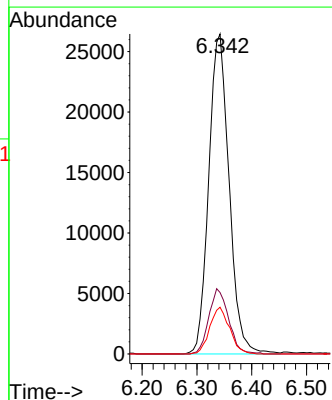
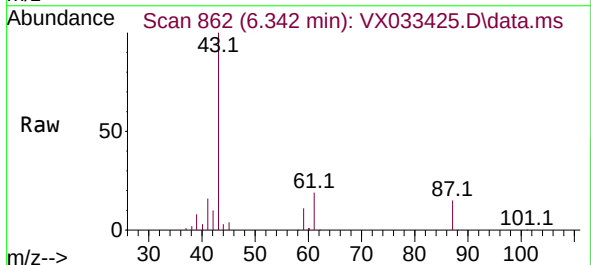
Instrument :
MSVOA_X
ClientSampleId :
MH-21

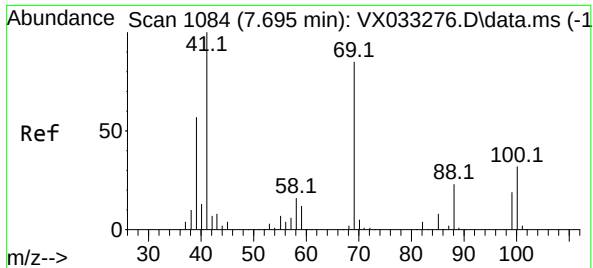
Tgt Ion:117 Resp: 12976
Ion Ratio Lower Upper
117 100
119 4.2 77.2 115.8#
121 0.0 25.8 38.6#



#43
Isopropyl Acetate
Concen: 24.776 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX033425.D
Acq: 14 Dec 2022 17:25

Tgt Ion: 43 Resp: 68089
Ion Ratio Lower Upper
43 100
61 19.8 15.4 23.0
87 14.2 10.8 16.2

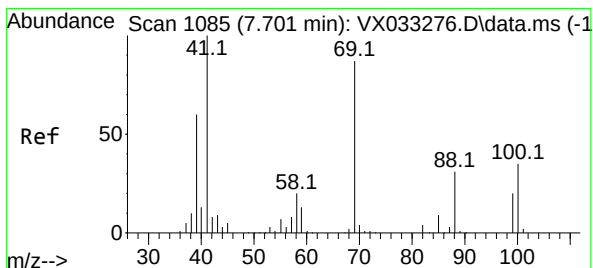
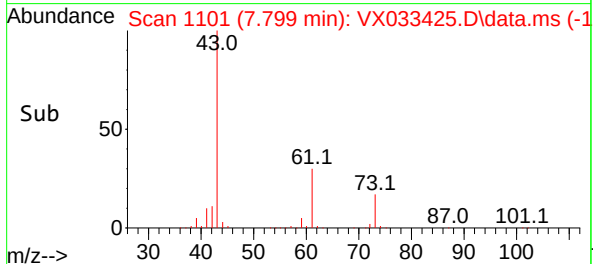
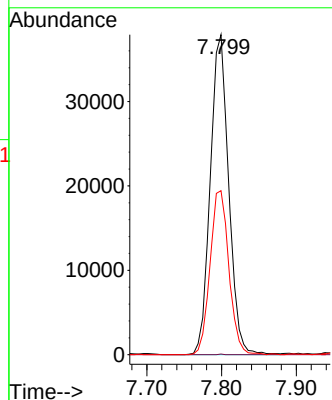
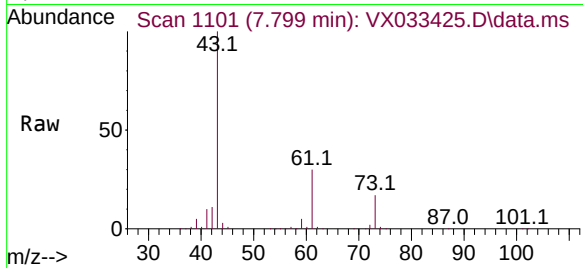




#48
Methyl methacrylate
Concen: 45.710 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX033425.D
Acq: 14 Dec 2022 17:25

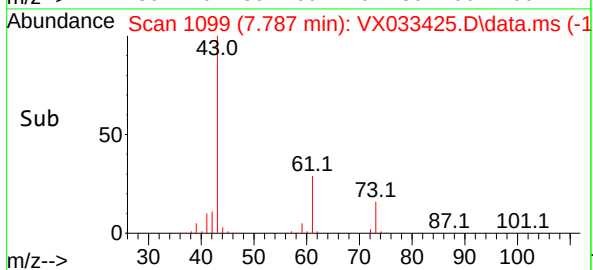
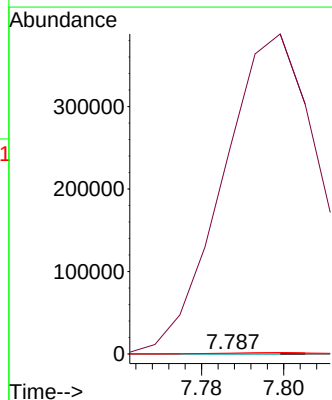
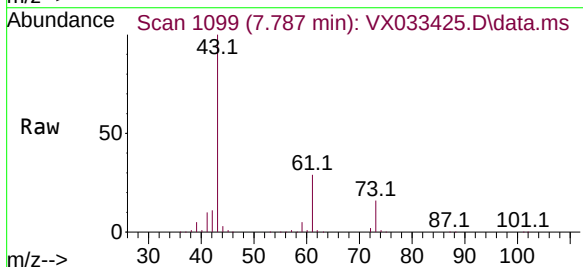
Instrument :
MSVOA_X
ClientSampleId :
MH-21

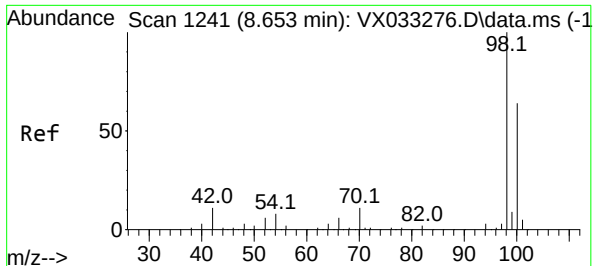
Tgt Ion: 41 Resp: 64834
Ion Ratio Lower Upper
41 100
69 0.0 65.1 97.7#
39 52.4 51.9 77.9



#49
1,4-Dioxane
Concen: 0.649 ug/l
RT: 7.787 min Scan# 1099
Delta R.T. 0.085 min
Lab File: VX033425.D
Acq: 14 Dec 2022 17:25

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 3131647.6 26.6 39.8#
58 13804.8 51.7 77.5#





#50

Toluene-d8

Concen: 47.328 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX033425.D

Acq: 14 Dec 2022 17:25

Instrument :

MSVOA_X

ClientSampleId :

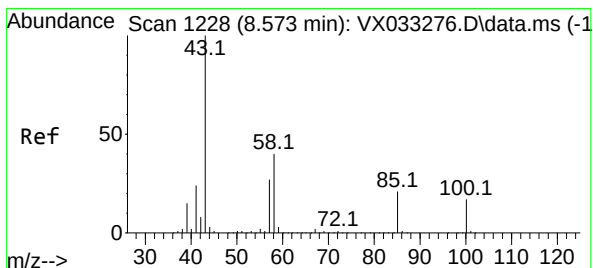
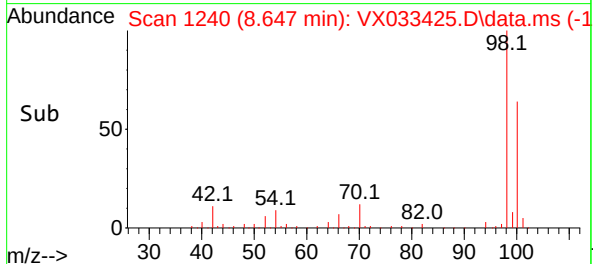
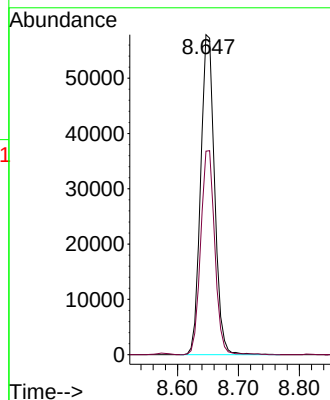
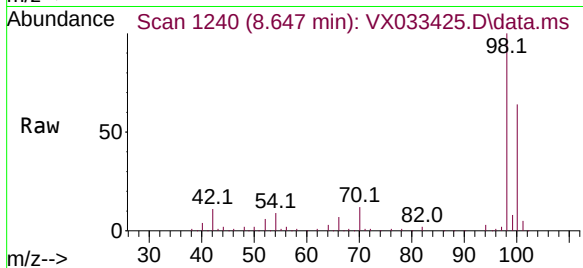
MH-21

Tgt Ion: 98 Resp: 91758

Ion Ratio Lower Upper

98 100

100 64.6 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 31.507 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.024 min

Lab File: VX033425.D

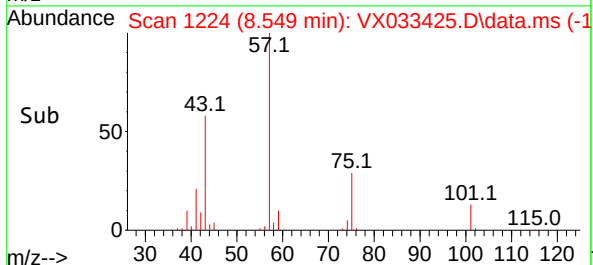
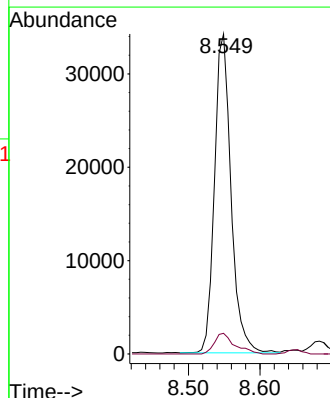
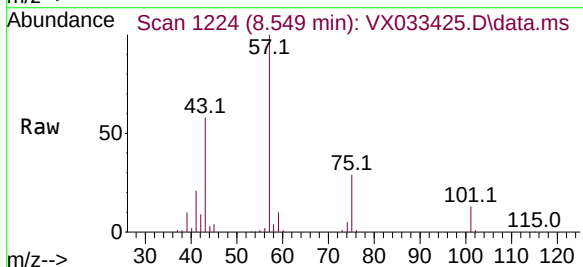
Acq: 14 Dec 2022 17:25

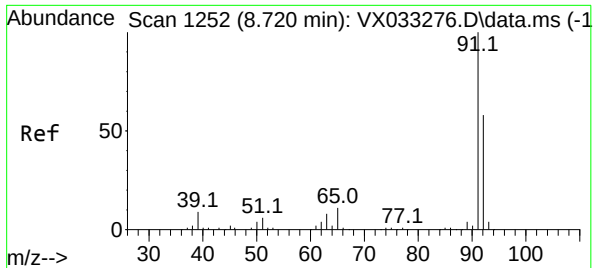
Tgt Ion: 43 Resp: 54758

Ion Ratio Lower Upper

43 100

58 8.0 30.9 46.3#

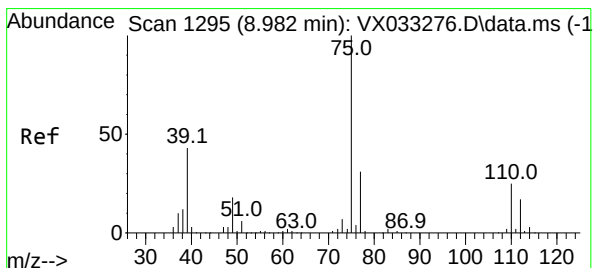
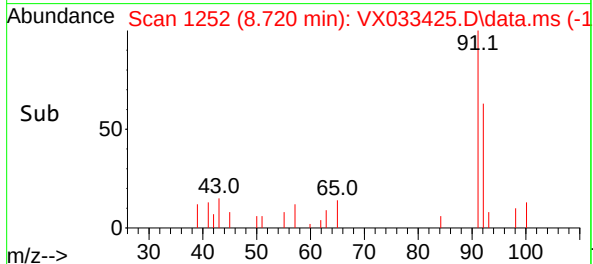
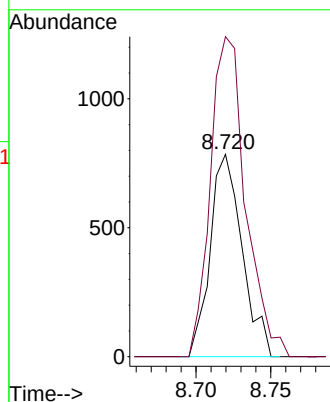
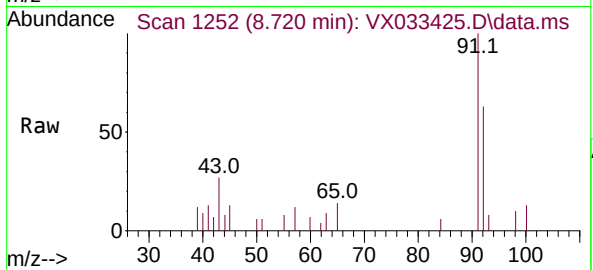




#52
Toluene
Concen: 0.342 ug/l
RT: 8.720 min Scan# 1166
Delta R.T. 0.000 min
Lab File: VX033425.D
Acq: 14 Dec 2022 17:25

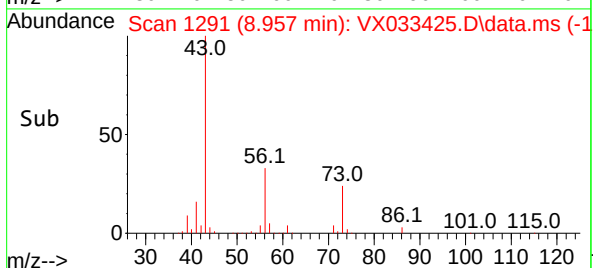
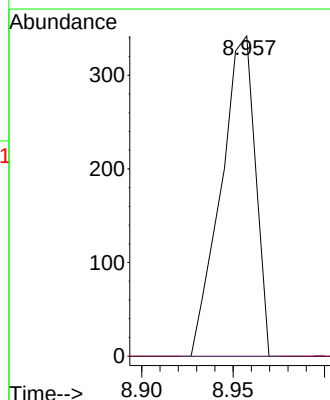
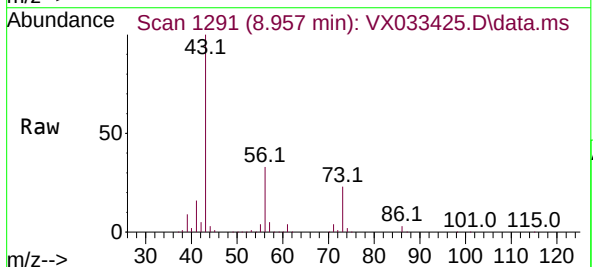
Instrument :
MSVOA_X
ClientSampleId :
MH-21

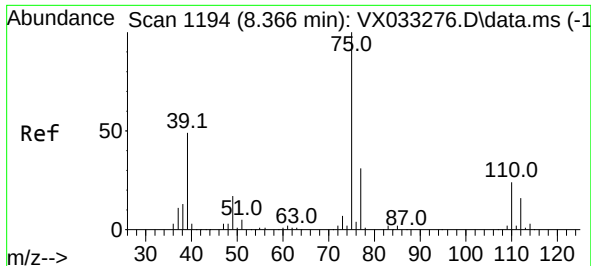
Tgt Ion: 92 Resp: 1166
Ion Ratio Lower Upper
92 100
91 174.7 138.3 207.5



#53
t-1,3-Dichloropropene
Concen: 2.704 ug/l
RT: 8.957 min Scan# 1291
Delta R.T. -0.025 min
Lab File: VX033425.D
Acq: 14 Dec 2022 17:25

Tgt Ion: 75 Resp: 449
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#

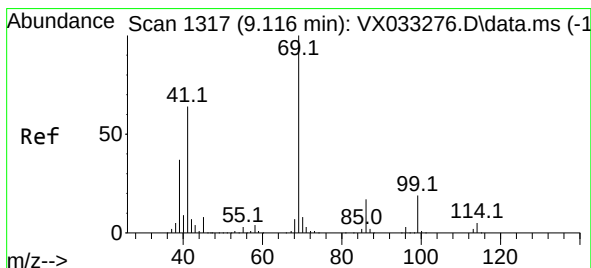
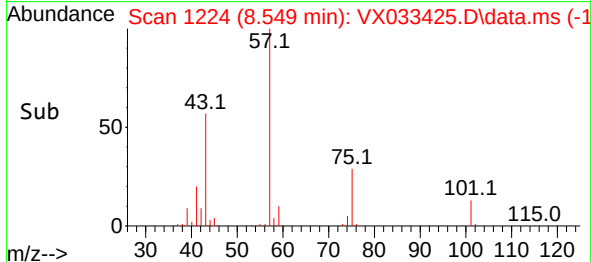
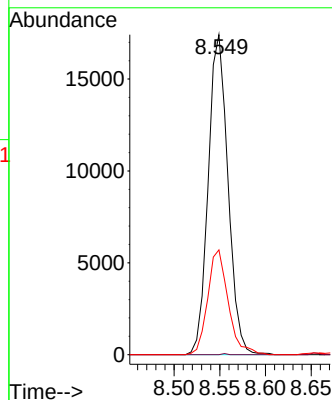
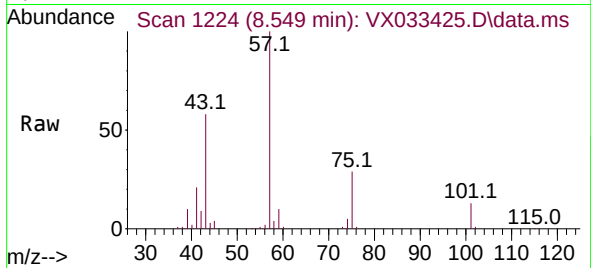




#54
 cis-1,3-Dichloropropene
 Concen: 12.266 ug/l
 RT: 8.549 min Scan# 11
 Delta R.T. 0.183 min
 Lab File: VX033425.D
 Acq: 14 Dec 2022 17:25

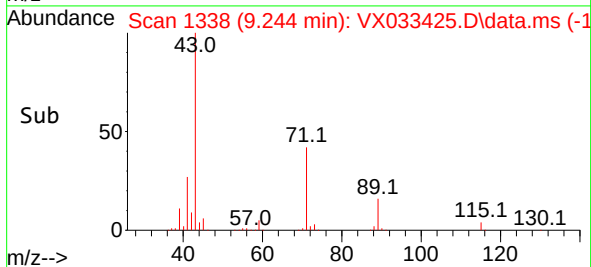
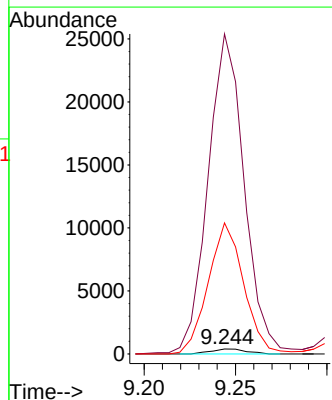
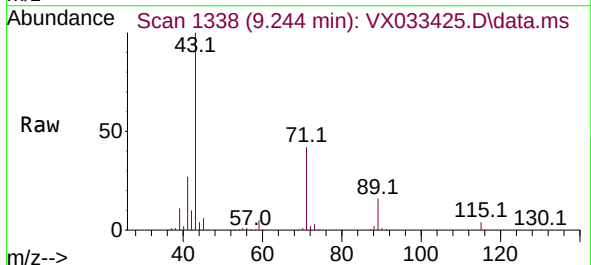
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-21

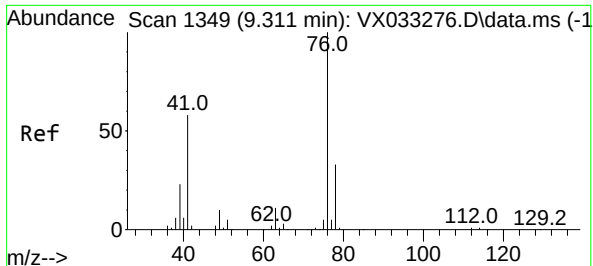
Tgt Ion: 75 Resp: 26115
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 32.8 45.5 68.3#



#56
 Ethyl methacrylate
 Concen: 0.264 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX033425.D
 Acq: 14 Dec 2022 17:25

Tgt Ion: 69 Resp: 533
 Ion Ratio Lower Upper
 69 100
 41 6602.3 54.3 81.5#
 39 2640.3 35.2 52.8#





#57

1,3-Dichloropropane

Concen: 1.379 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX033425.D

Acq: 14 Dec 2022 17:25

Instrument :

MSVOA_X

ClientSampleId :

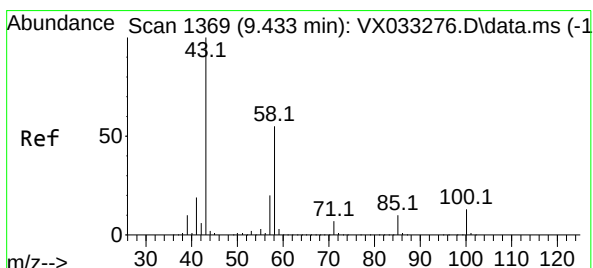
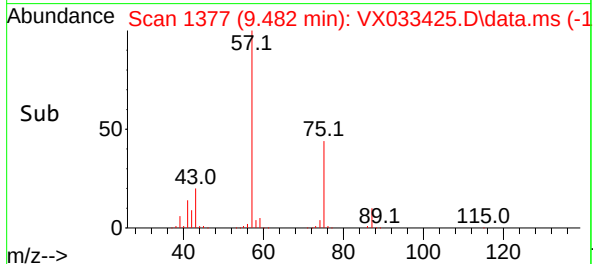
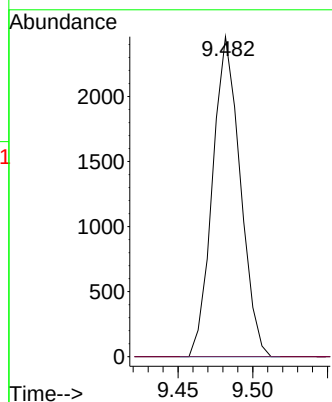
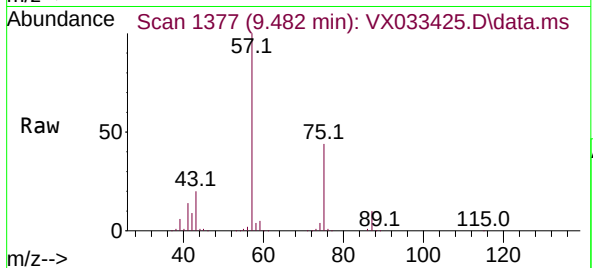
MH-21

Tgt Ion: 76 Resp: 3171

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 35.320 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX033425.D

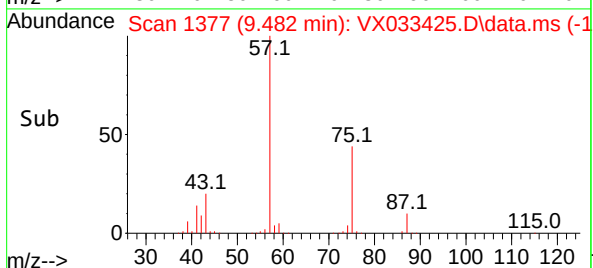
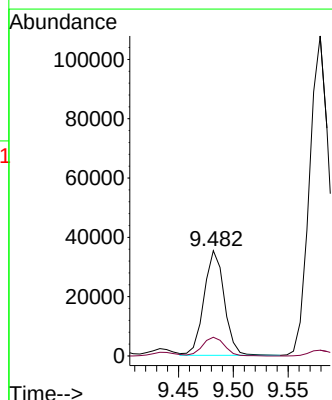
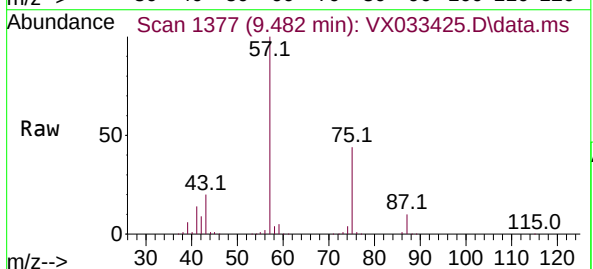
Acq: 14 Dec 2022 17:25

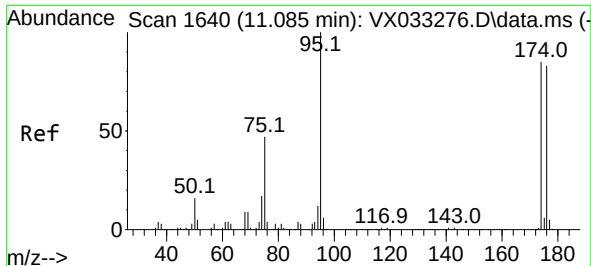
Tgt Ion: 43 Resp: 45236

Ion Ratio Lower Upper

43 100

58 19.6 26.5 79.5#

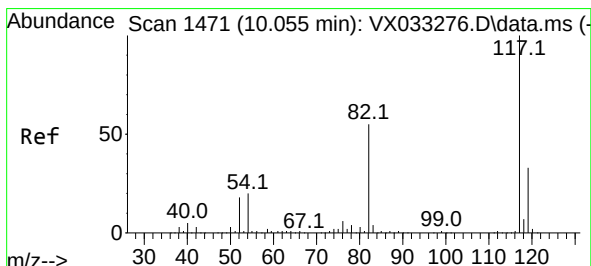
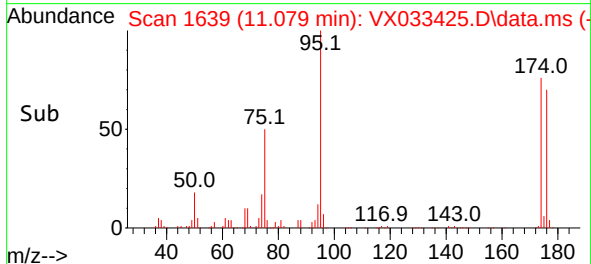
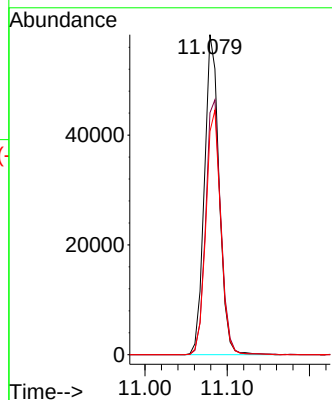
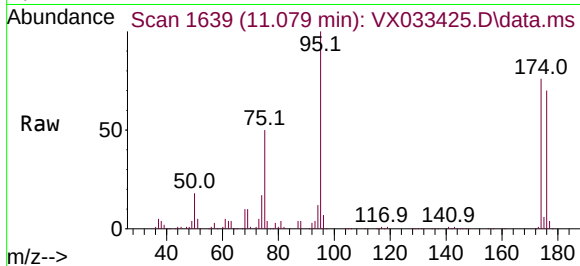




#62
4-Bromofluorobenzene
Concen: 48.992 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX033425.D
Acq: 14 Dec 2022 17:25

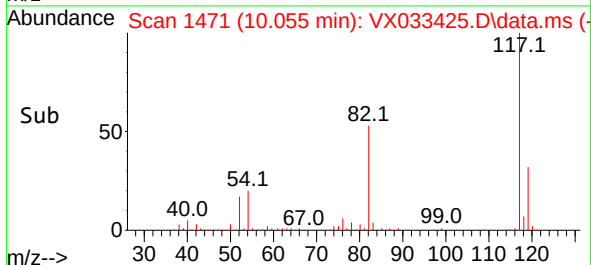
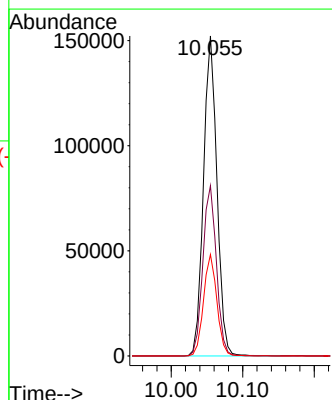
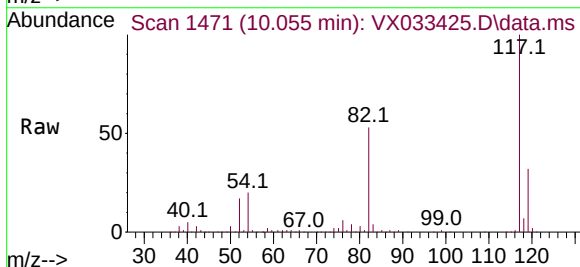
Instrument :
MSVOA_X
ClientSampleId :
MH-21

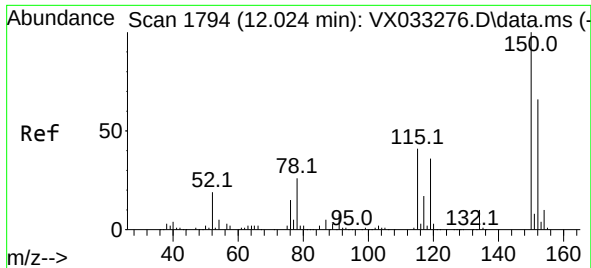
Tgt Ion: 95 Resp: 72627
Ion Ratio Lower Upper
95 100
174 81.7 0.0 164.0
176 77.4 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033425.D
Acq: 14 Dec 2022 17:25

Tgt Ion: 117 Resp: 198647
Ion Ratio Lower Upper
117 100
82 53.2 44.3 66.5
119 31.7 25.7 38.5

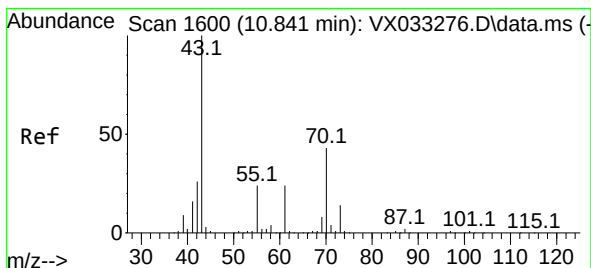
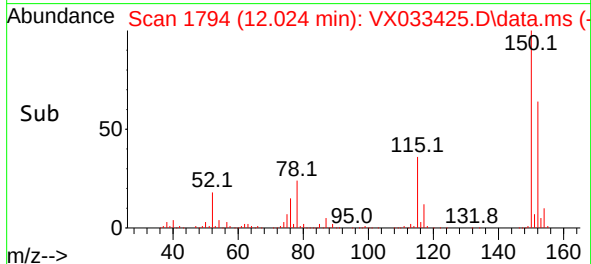
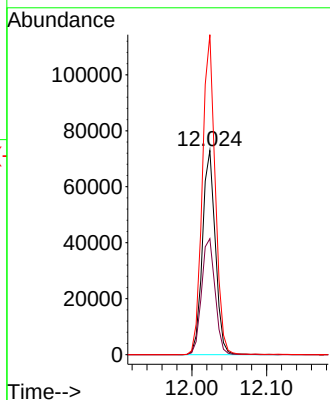
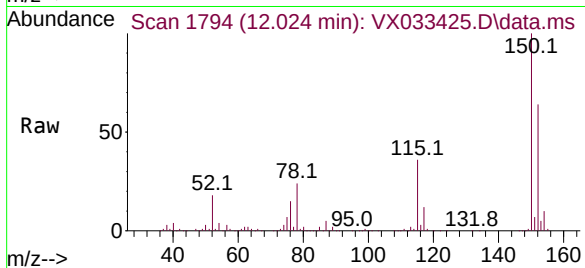




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX033425.D
Acq: 14 Dec 2022 17:25

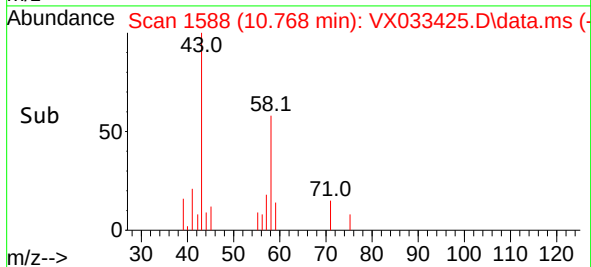
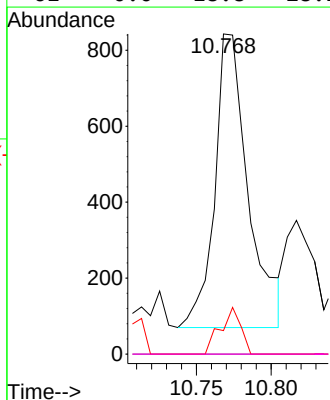
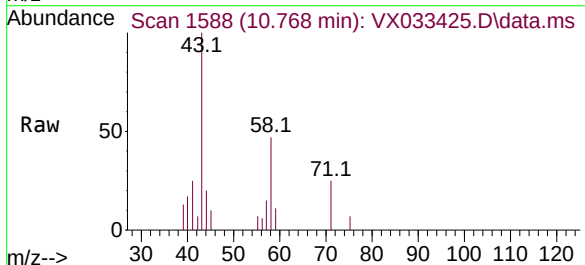
Instrument :
MSVOA_X
ClientSampleId :
MH-21

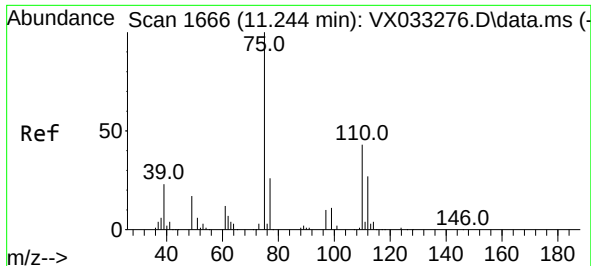
Tgt Ion:152 Resp: 87556
Ion Ratio Lower Upper
152 100
115 59.6 44.0 132.0
150 156.6 0.0 351.8



#74
N-ethyl acetate
Concen: 0.556 ug/l
RT: 10.768 min Scan# 1588
Delta R.T. -0.073 min
Lab File: VX033425.D
Acq: 14 Dec 2022 17:25

Tgt Ion: 43 Resp: 1204
Ion Ratio Lower Upper
43 100
70 0.0 33.6 50.4#
55 9.7 19.4 29.2#
61 0.0 18.8 28.2#

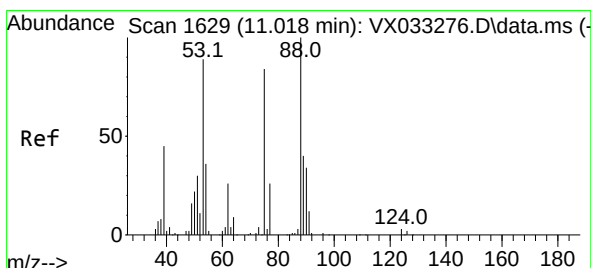
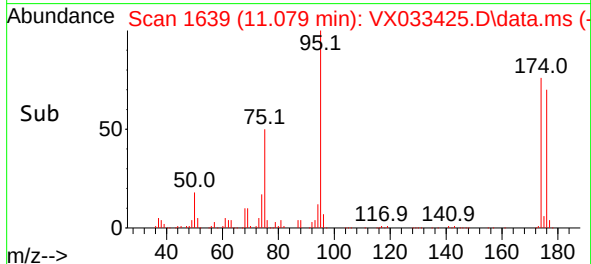
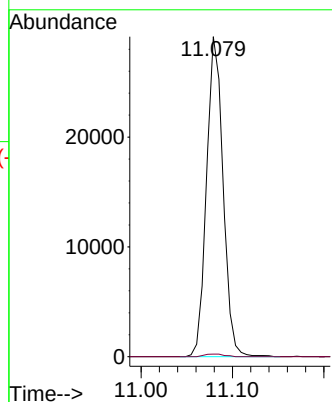
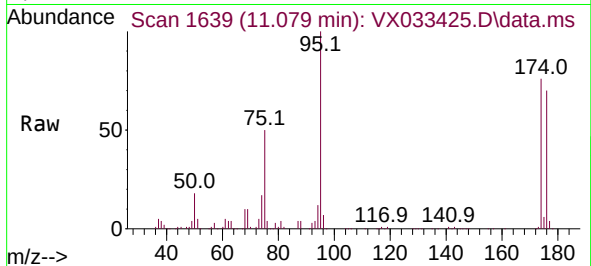




#76
1,2,3-Trichloropropane
Concen: 20.482 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX033425.D
Acq: 14 Dec 2022 17:25

Instrument :
MSVOA_X
ClientSampleId :
MH-21

Tgt Ion: 75 Resp: 36486
Ion Ratio Lower Upper
75 100
77 1.0 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.714 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033425.D
Acq: 14 Dec 2022 17:25

Tgt Ion: 75 Resp: 36486
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

