

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121522\
 Data File : VX033444.D
 Acq On : 15 Dec 2022 15:59
 Operator : JC/MD
 Sample : N6065-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-23

Quant Time: Dec 16 01:03:57 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)

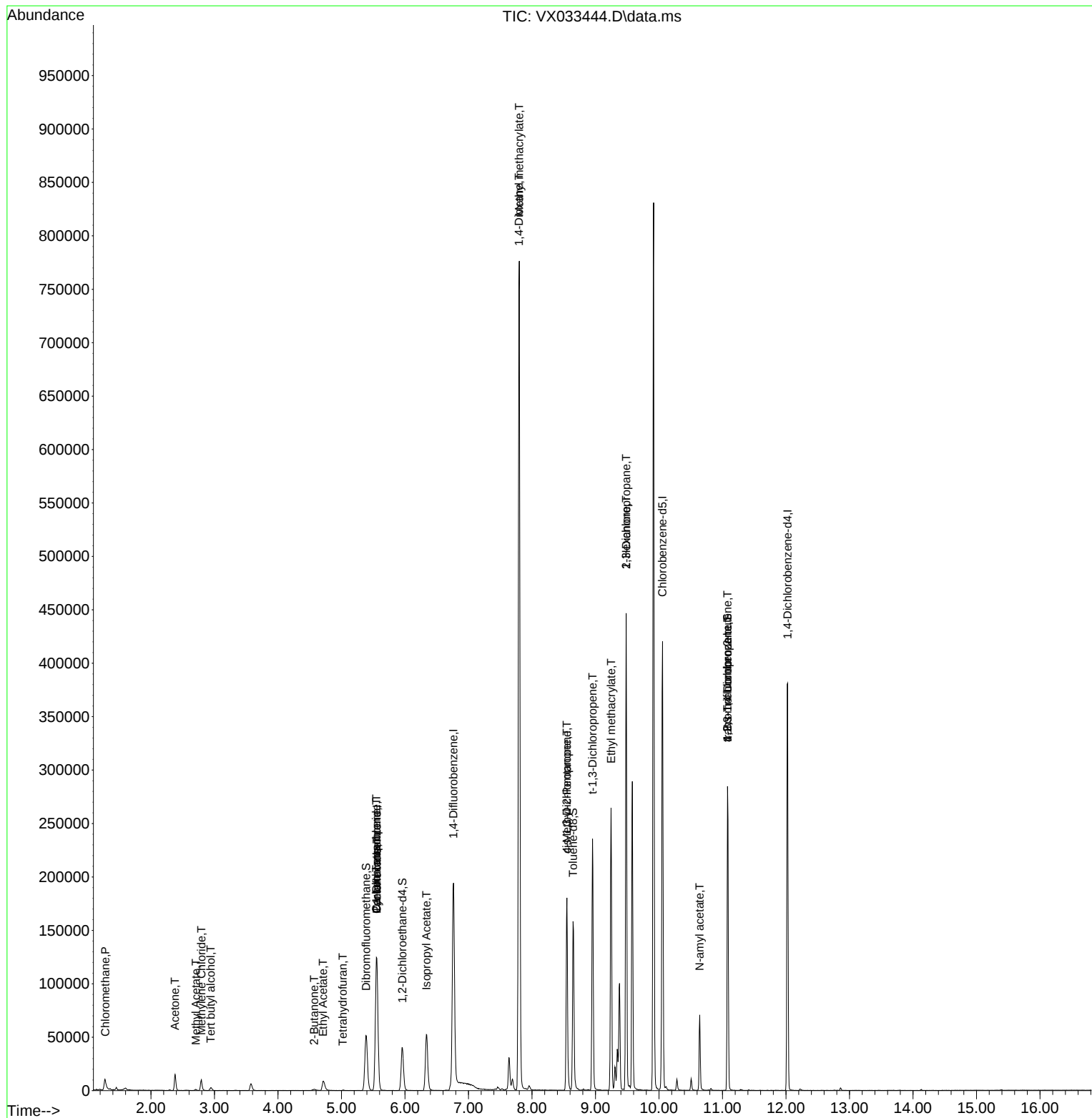
Internal Standards						
1) Pentafluorobenzene	5.556	168	121070	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	198460	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	189644	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	84059	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	40767	52.487	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.980%			
35) Dibromofluoromethane	5.385	113	45788	51.295	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.600%			
50) Toluene-d8	8.647	98	96955	51.921	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.840%			
62) 4-Bromofluorobenzene	11.079	95	73854	51.726	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.460%			
Target Compounds						Qvalue
3) Chloromethane	1.282	50	386	0.395	ug/l #	43
11) Tert butyl alcohol	2.941	59	1861	7.837	ug/l #	72
16) Acetone	2.380	43	16485	28.682	ug/l	100
18) Methyl Acetate	2.709	43	1384	0.832	ug/l	91
20) Methylene Chloride	2.794	84	4704	3.670	ug/l	90
25) 2-Butanone	4.568	43	1435	1.739	ug/l	89
29) Tetrahydrofuran	5.020	42	162	0.303	ug/l #	87
31) Cyclohexane	5.556	56	2204	1.194	ug/l #	13
36) 1,1-Dichloropropene	5.550	75	9191	5.281	ug/l #	49
37) Ethyl Acetate	4.709	43	16498	10.028	ug/l	99
38) Carbon Tetrachloride	5.550	117	12105	6.208	ug/l #	15
43) Isopropyl Acetate	6.336	43	72794	27.501	ug/l	99
48) Methyl methacrylate	7.800	41	67867	49.679	ug/l #	43
49) 1,4-Dioxane	7.793	88	130	4.173	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	60225	35.978	ug/l #	49
53) t-1,3-Dichloropropene	8.952	75	520	2.744	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	27734	13.525	ug/l #	59
56) Ethyl methacrylate	9.244	69	524	0.270	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3584	1.618	ug/l #	42
59) 2-Hexanone	9.482	43	49986	40.521	ug/l #	52
74) N-amyl acetate	10.640	43	16946	8.152	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	38712	22.636	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	38712	70.414	ug/l #	6

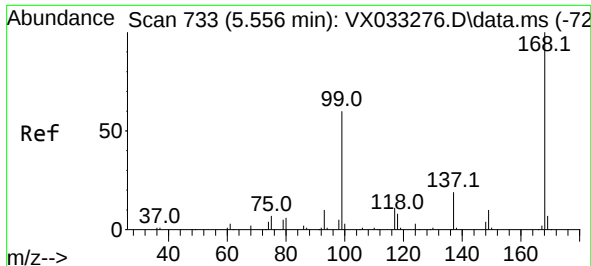
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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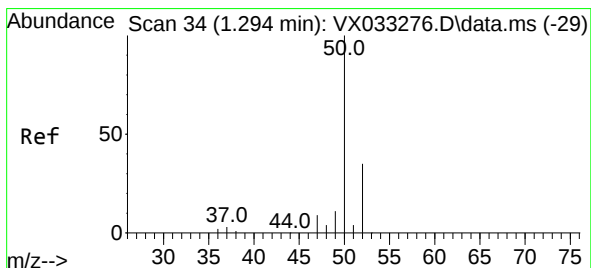
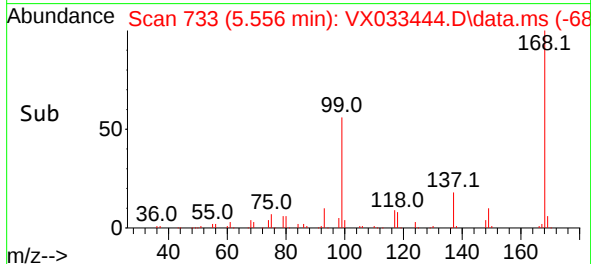
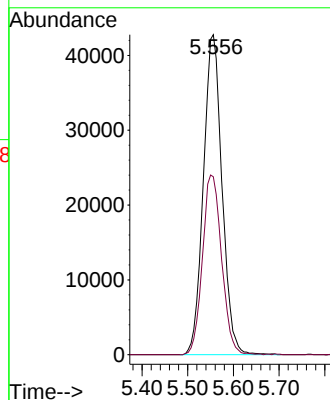
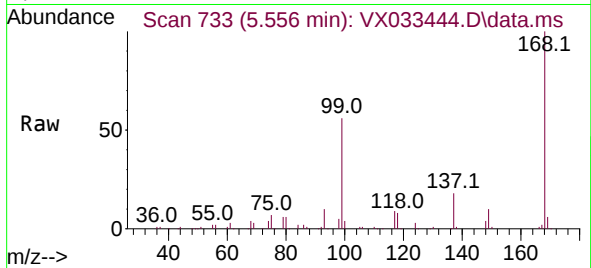




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX033444.D
Acq: 15 Dec 2022 15:59

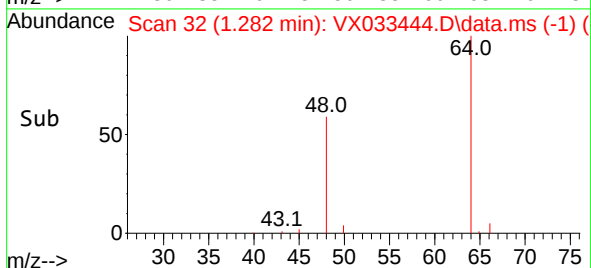
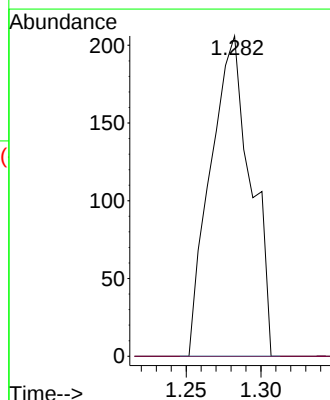
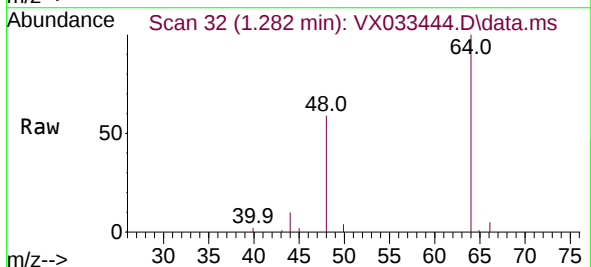
Instrument :
MSVOA_X
ClientSampleId :
MH-23

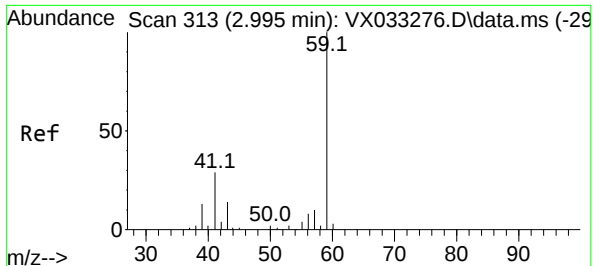
Tgt Ion:168 Resp: 121070
Ion Ratio Lower Upper
168 100
99 55.6 46.1 69.1



#3
Chloromethane
Concen: 0.395 ug/l
RT: 1.282 min Scan# 32
Delta R.T. -0.012 min
Lab File: VX033444.D
Acq: 15 Dec 2022 15:59

Tgt Ion: 50 Resp: 386
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#





#11

Tert butyl alcohol

Concen: 7.837 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.054 min

Lab File: VX033444.D

Acq: 15 Dec 2022 15:59

Instrument :

MSVOA_X

ClientSampleId :

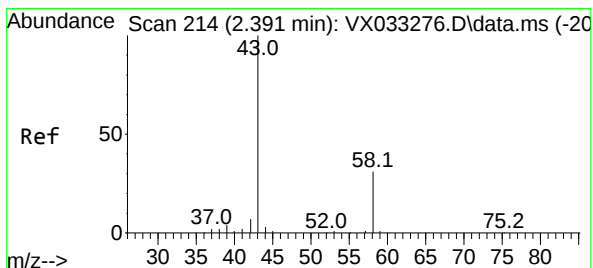
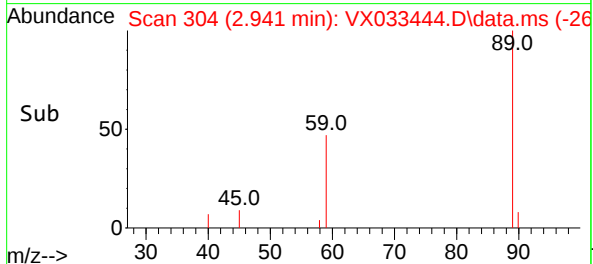
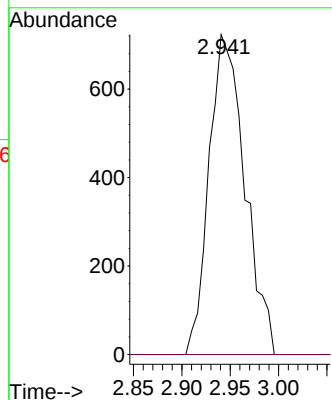
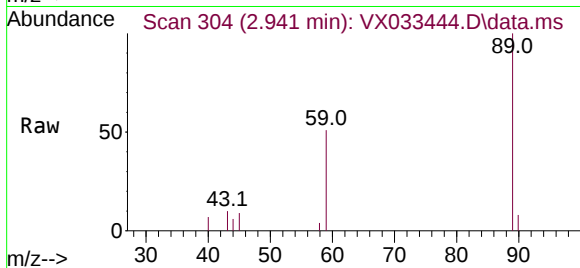
MH-23

Tgt Ion: 59 Resp: 1861

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 28.682 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.012 min

Lab File: VX033444.D

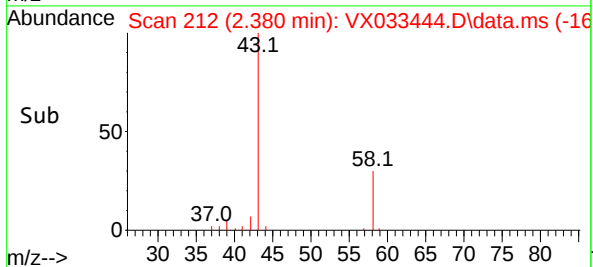
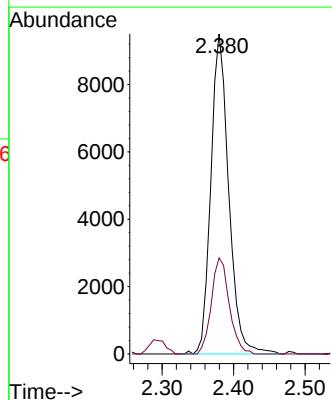
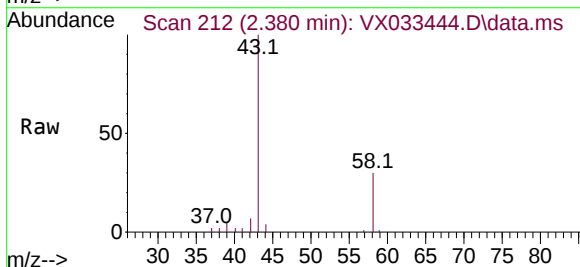
Acq: 15 Dec 2022 15:59

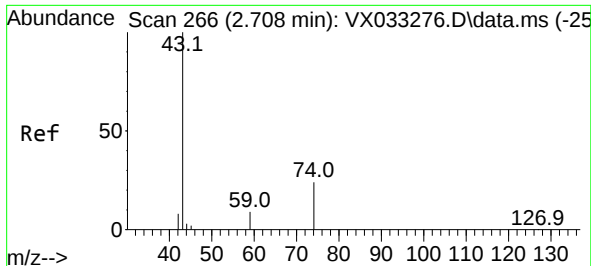
Tgt Ion: 43 Resp: 16485

Ion Ratio Lower Upper

43 100

58 30.0 23.8 35.8

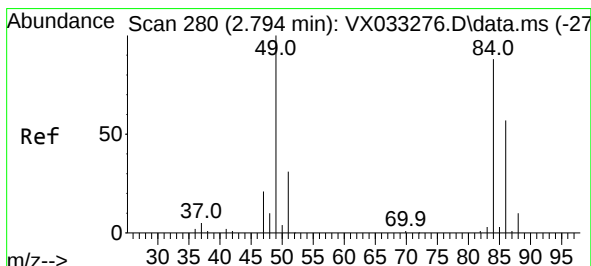
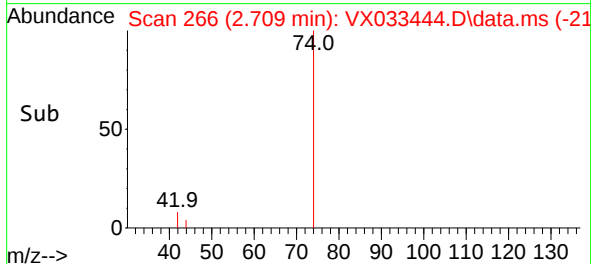
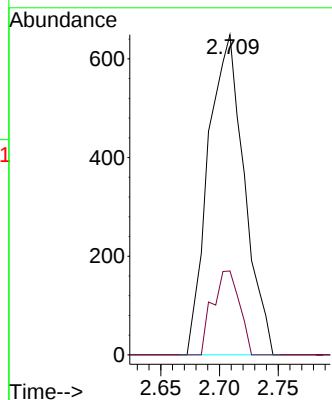
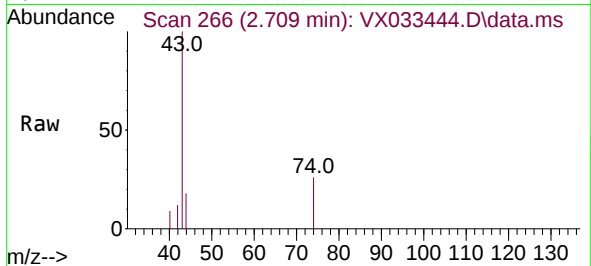




#18
Methyl Acetate
Concen: 0.832 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX033444.D
Acq: 15 Dec 2022 15:59

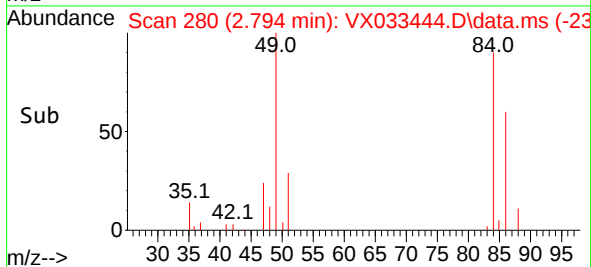
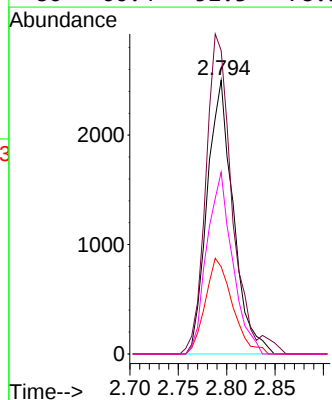
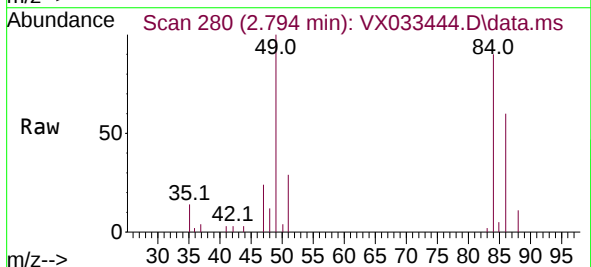
Instrument :
MSVOA_X
ClientSampleId :
MH-23

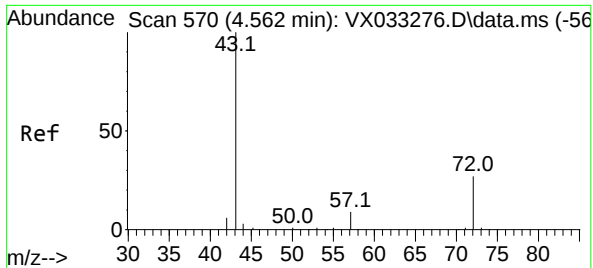
Tgt Ion: 43 Resp: 1384
Ion Ratio Lower Upper
43 100
74 19.5 19.4 29.0



#20
Methylene Chloride
Concen: 3.670 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX033444.D
Acq: 15 Dec 2022 15:59

Tgt Ion: 84 Resp: 4704
Ion Ratio Lower Upper
84 100
49 110.9 101.0 151.6
51 31.9 31.1 46.7
86 66.4 52.3 78.5

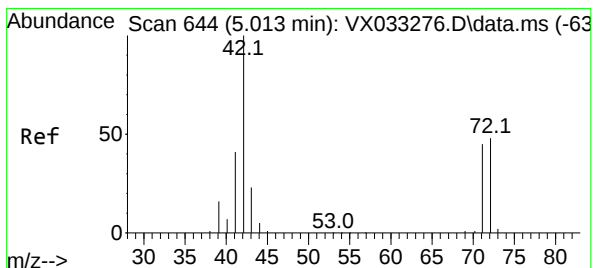
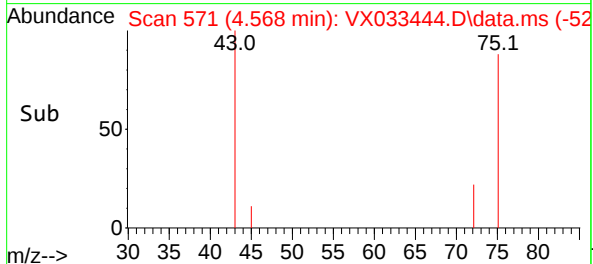
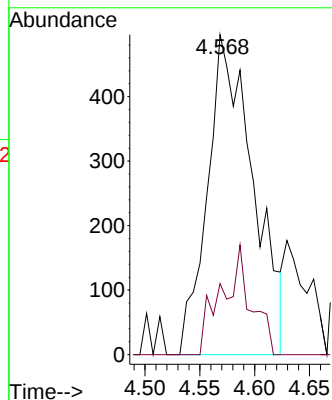
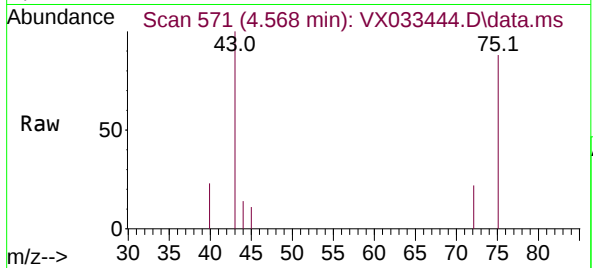




#25
2-Butanone
Concen: 1.739 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.007 min
Lab File: VX033444.D
Acq: 15 Dec 2022 15:59

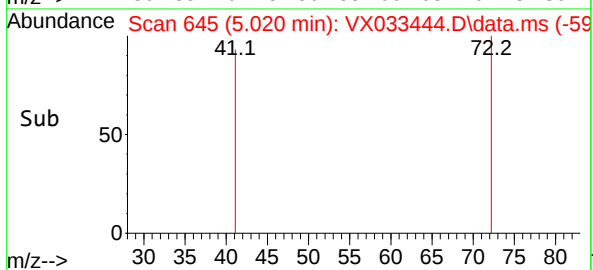
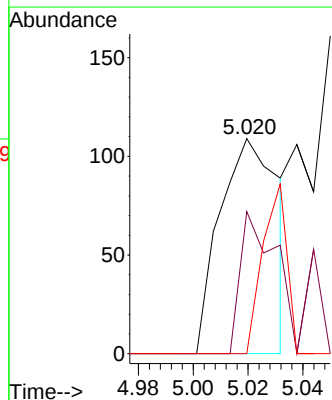
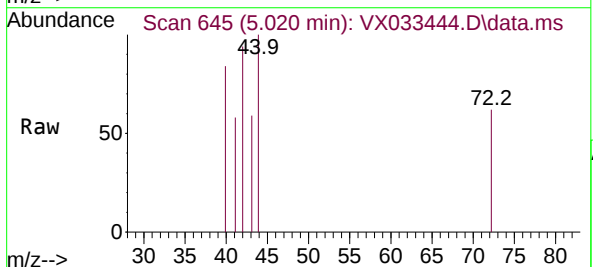
Instrument :
MSVOA_X
ClientSampleId :
MH-23

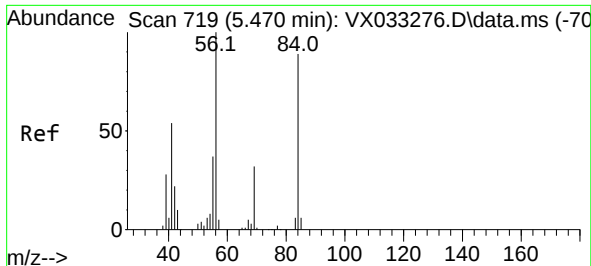
Tgt Ion: 43 Resp: 1435
Ion Ratio Lower Upper
43 100
72 22.2 22.2 33.2



#29
Tetrahydrofuran
Concen: 0.303 ug/l
RT: 5.020 min Scan# 645
Delta R.T. 0.007 min
Lab File: VX033444.D
Acq: 15 Dec 2022 15:59

Tgt Ion: 42 Resp: 162
Ion Ratio Lower Upper
42 100
72 52.5 37.6 56.4
71 32.1 34.7 52.1#

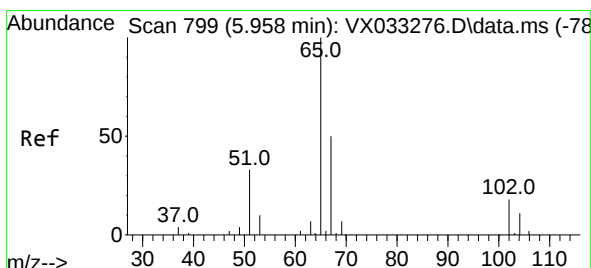
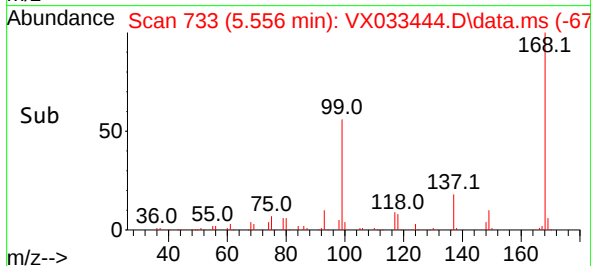
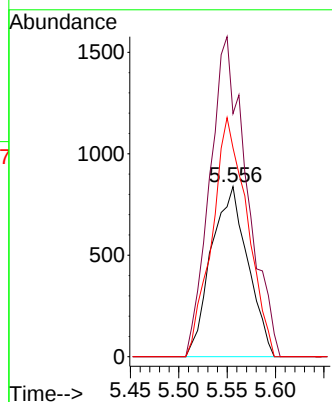
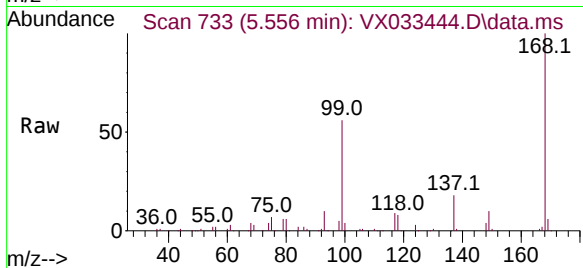




#31
Cyclohexane
Concen: 1.194 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX033444.D
Acq: 15 Dec 2022 15:59

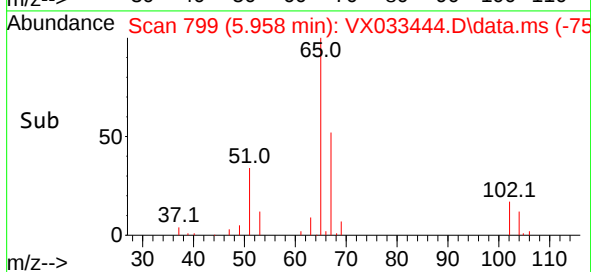
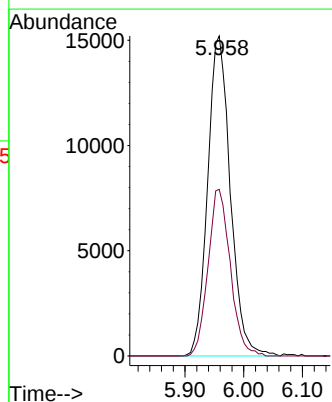
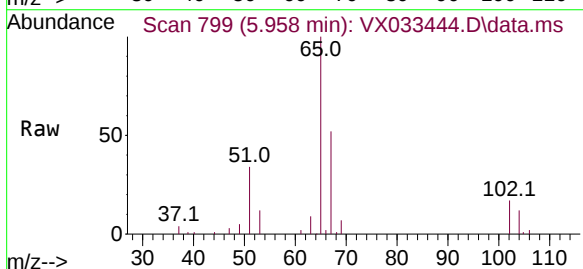
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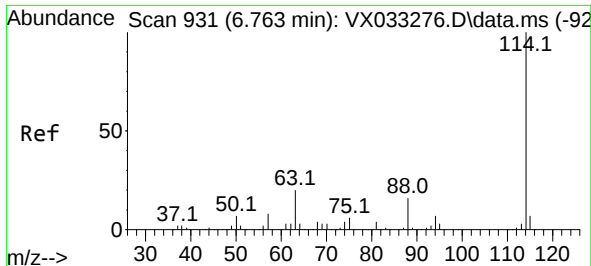
Tgt Ion: 56 Resp: 2204
Ion Ratio Lower Upper
56 100
69 143.0 24.1 36.1#
84 122.8 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 52.487 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033444.D
Acq: 15 Dec 2022 15:59

Tgt Ion: 65 Resp: 40767
Ion Ratio Lower Upper
65 100
67 51.2 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: VX033444.D

Acq: 15 Dec 2022 15:59

Instrument :

MSVOA_X

ClientSampleId :

MH-23

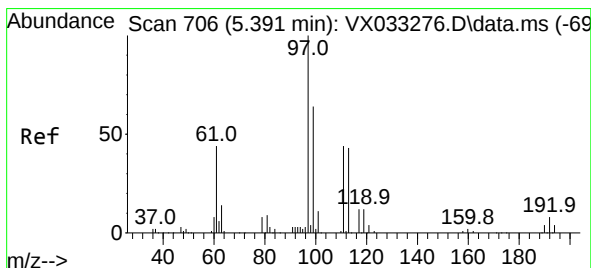
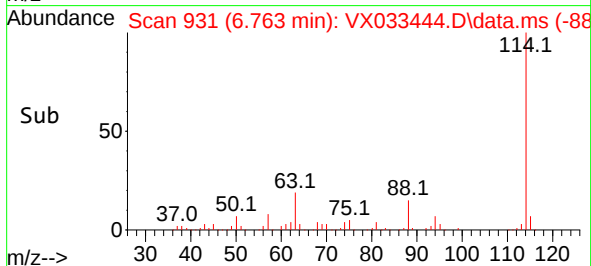
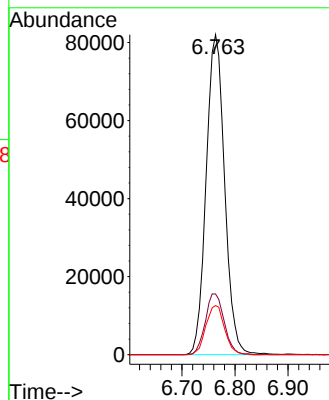
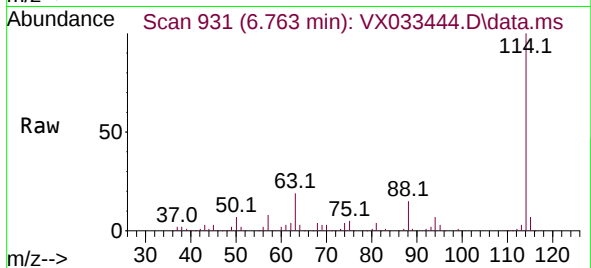
Tgt Ion:114 Resp: 198460

Ion Ratio Lower Upper

114 100

63 19.0 0.0 41.6

88 15.3 0.0 33.4



#35

Dibromofluoromethane

Concen: 51.295 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX033444.D

Acq: 15 Dec 2022 15:59

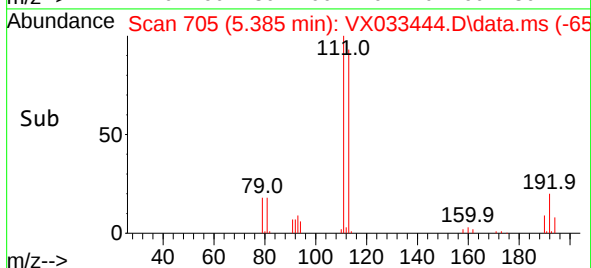
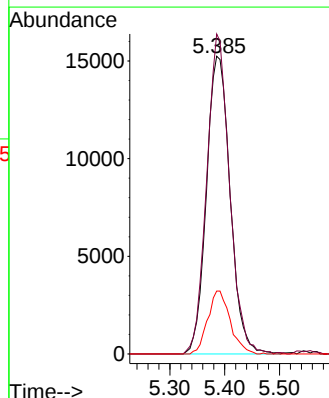
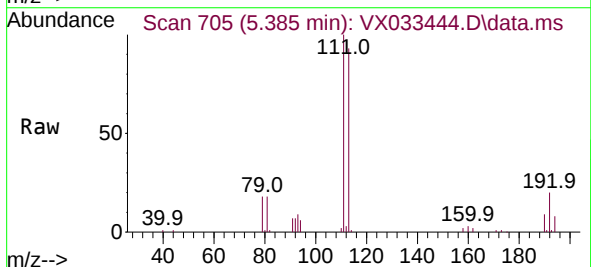
Tgt Ion:113 Resp: 45788

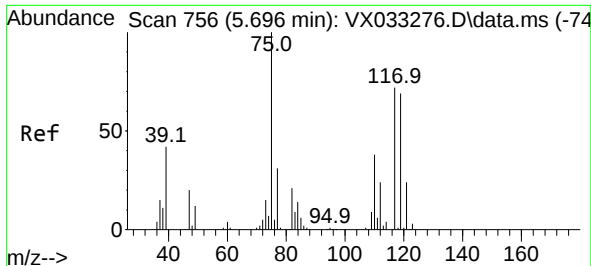
Ion Ratio Lower Upper

113 100

111 103.5 82.4 123.6

192 20.0 15.4 23.2

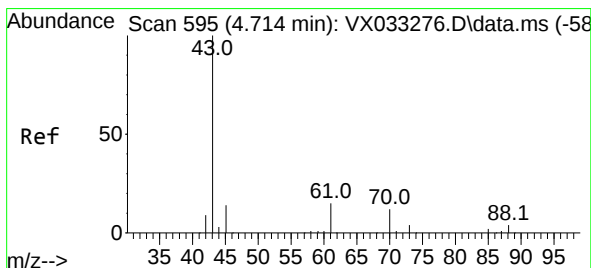
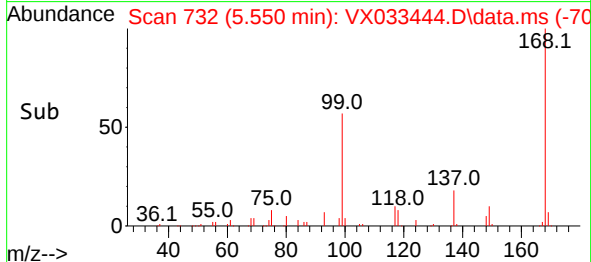
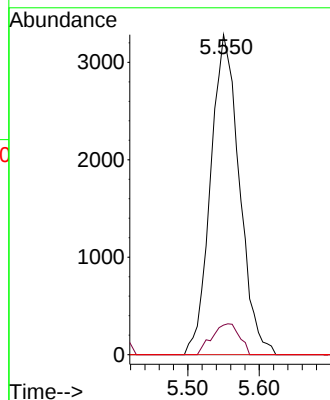
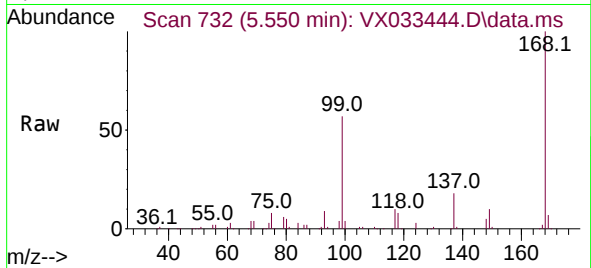




#36
1,1-Dichloropropene
Concen: 5.281 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX033444.D
Acq: 15 Dec 2022 15:59

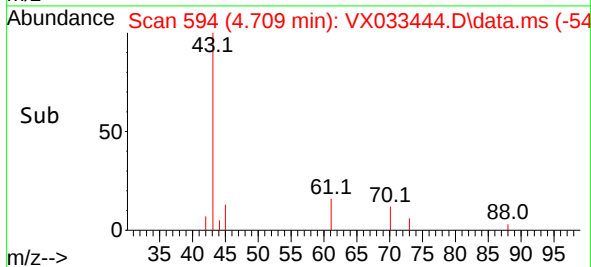
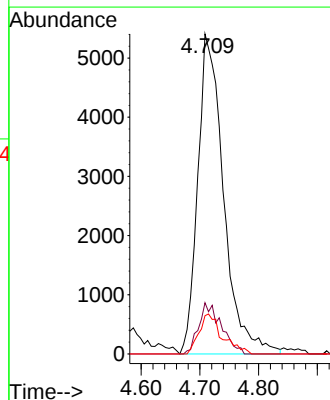
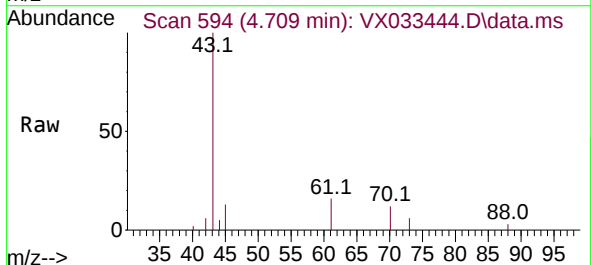
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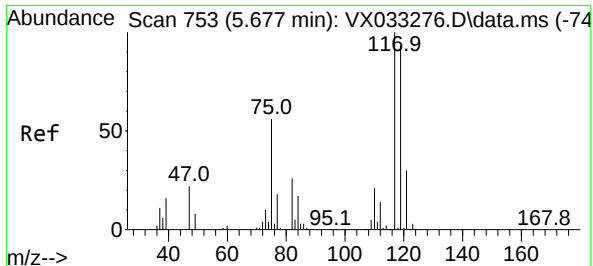
Tgt Ion: 75 Resp: 9191
Ion Ratio Lower Upper
75 100
110 9.2 18.4 55.2#
77 0.0 24.5 36.7#



#37
Ethyl Acetate
Concen: 10.028 ug/l
RT: 4.709 min Scan# 594
Delta R.T. -0.006 min
Lab File: VX033444.D
Acq: 15 Dec 2022 15:59

Tgt Ion: 43 Resp: 16498
Ion Ratio Lower Upper
43 100
61 14.0 11.5 17.3
70 11.2 9.1 13.7

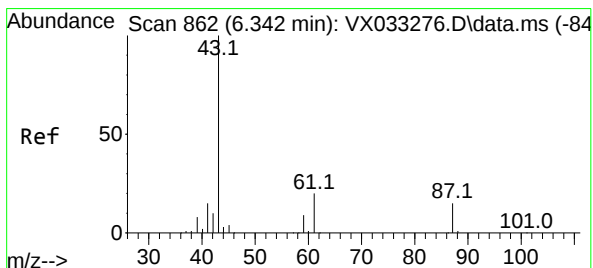
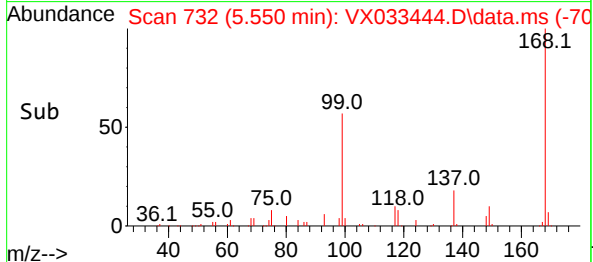
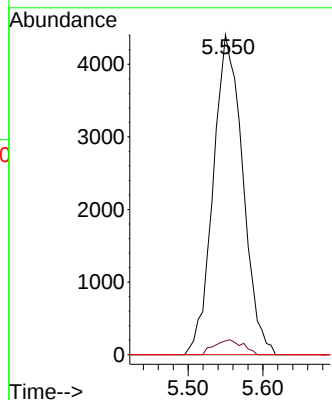
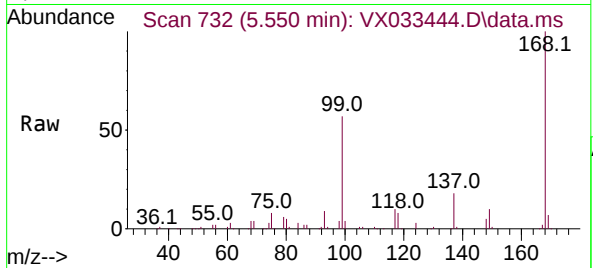




#38
Carbon Tetrachloride
Concen: 6.208 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX033444.D
Acq: 15 Dec 2022 15:59

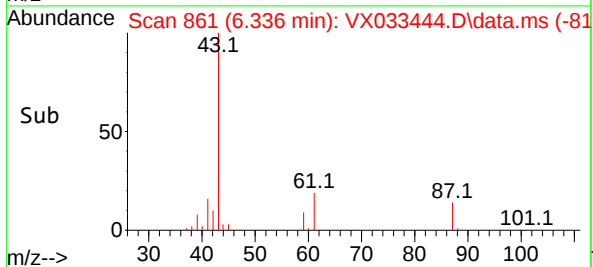
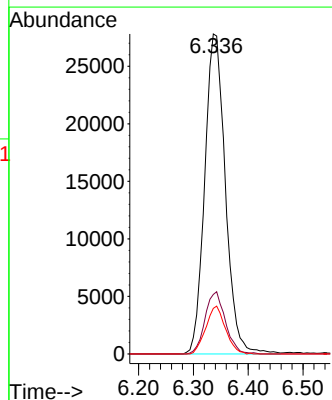
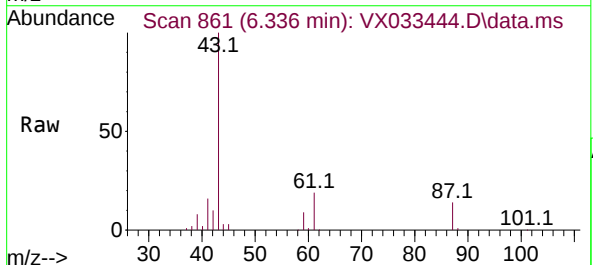
Instrument :
MSVOA_X
ClientSampleId :
MH-23

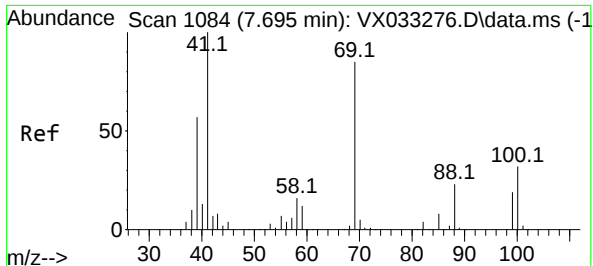
Tgt Ion:117 Resp: 12105
Ion Ratio Lower Upper
117 100
119 4.3 77.2 115.8#
121 0.0 25.8 38.6#



#43
Isopropyl Acetate
Concen: 27.501 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.006 min
Lab File: VX033444.D
Acq: 15 Dec 2022 15:59

Tgt Ion: 43 Resp: 72794
Ion Ratio Lower Upper
43 100
61 19.1 15.4 23.0
87 14.2 10.8 16.2





#48

Methyl methacrylate

Concen: 49.679 ug/l

RT: 7.800 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX033444.D

Acq: 15 Dec 2022 15:59

Instrument :

MSVOA_X

ClientSampleId :

MH-23

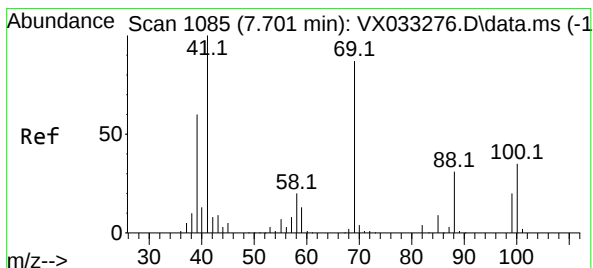
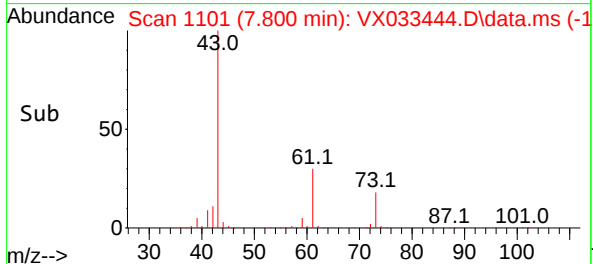
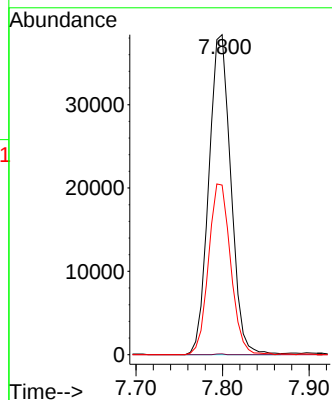
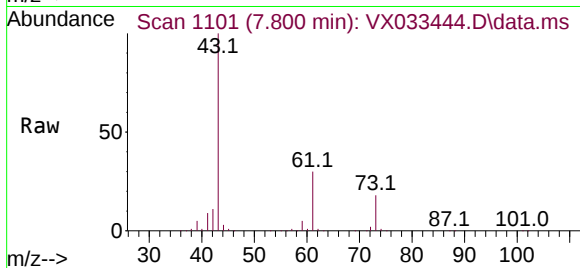
Tgt Ion: 41 Resp: 67867

Ion Ratio Lower Upper

41 100

69 0.1 65.1 97.7#

39 53.5 51.9 77.9



#49

1,4-Dioxane

Concen: 4.173 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.092 min

Lab File: VX033444.D

Acq: 15 Dec 2022 15:59

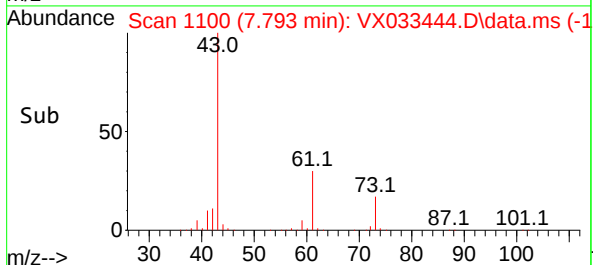
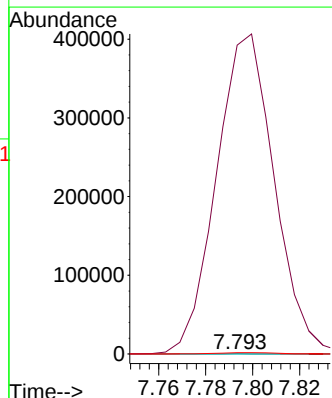
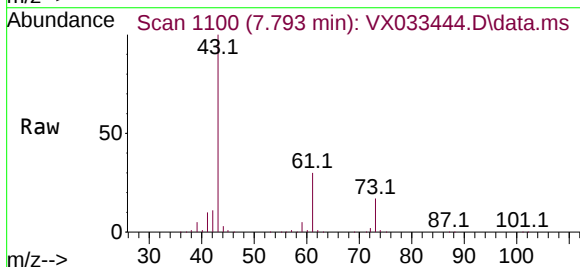
Tgt Ion: 88 Resp: 130

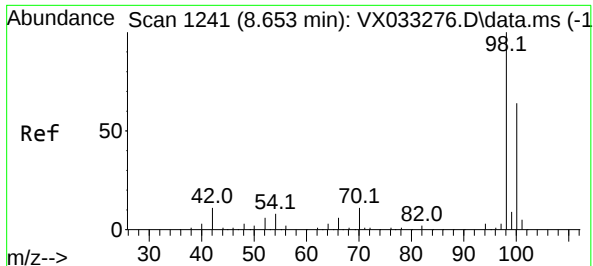
Ion Ratio Lower Upper

88 100

43 540145.4 26.6 39.8#

58 2283.8 51.7 77.5#

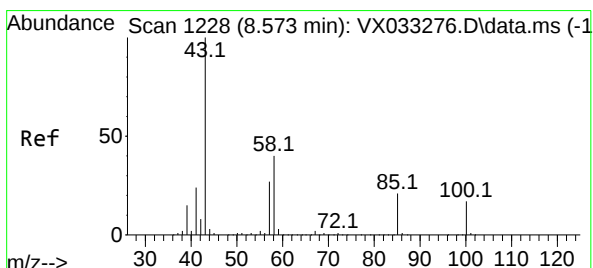
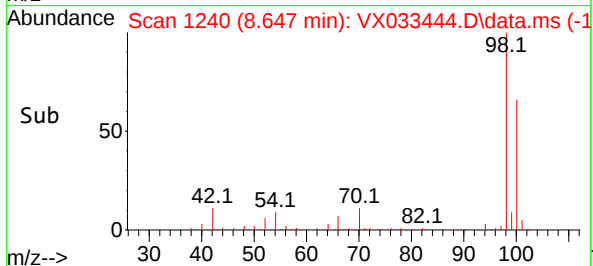
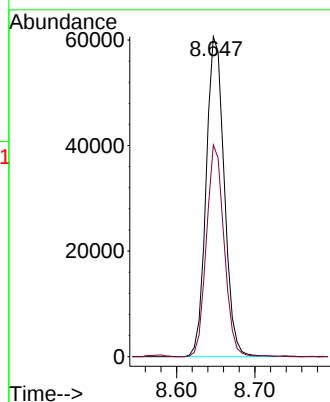
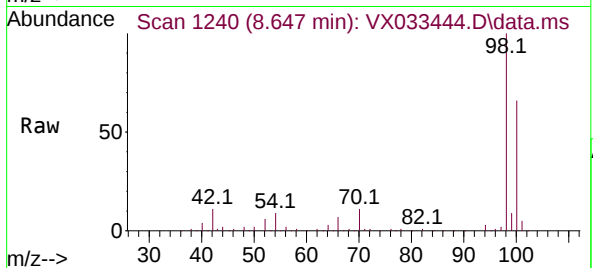




#50
Toluene-d8
Concen: 51.921 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX033444.D
Acq: 15 Dec 2022 15:59

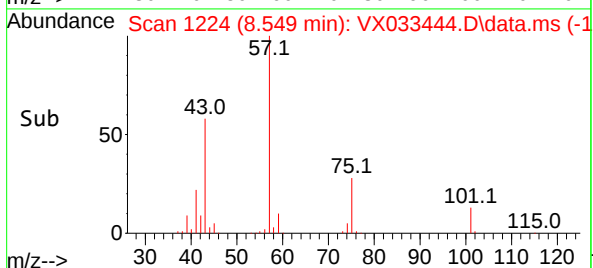
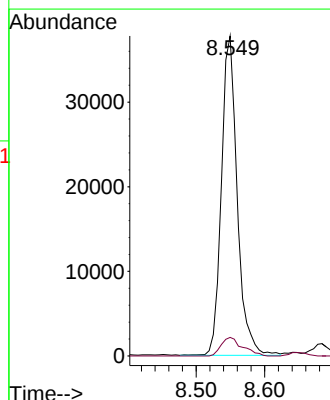
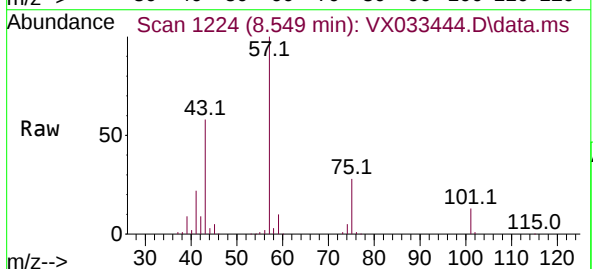
Instrument :
MSVOA_X
ClientSampleId :
MH-23

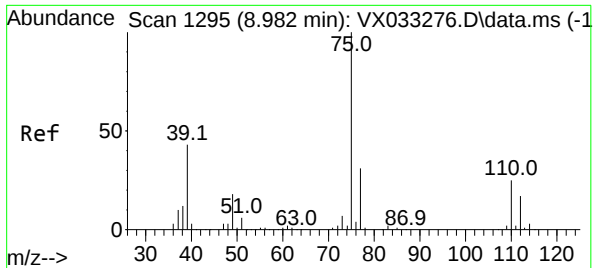
Tgt Ion: 98 Resp: 96955
Ion Ratio Lower Upper
98 100
100 64.8 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 35.978 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX033444.D
Acq: 15 Dec 2022 15:59

Tgt Ion: 43 Resp: 60225
Ion Ratio Lower Upper
43 100
58 7.8 30.9 46.3#





#53

t-1,3-Dichloropropene

Concen: 2.744 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.030 min

Lab File: VX033444.D

Acq: 15 Dec 2022 15:59

Instrument :

MSVOA_X

ClientSampleId :

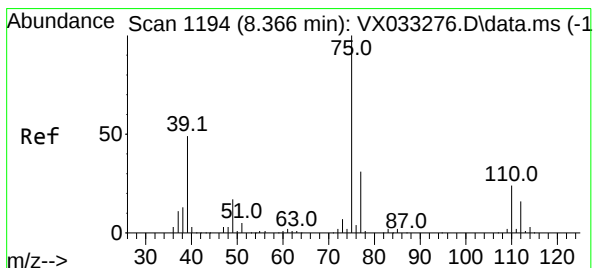
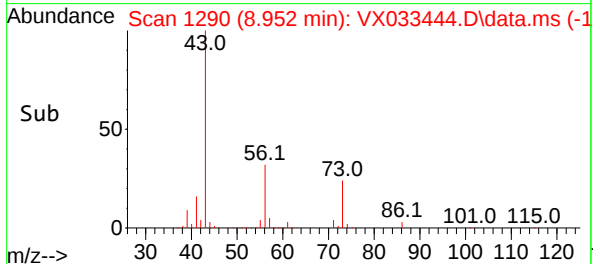
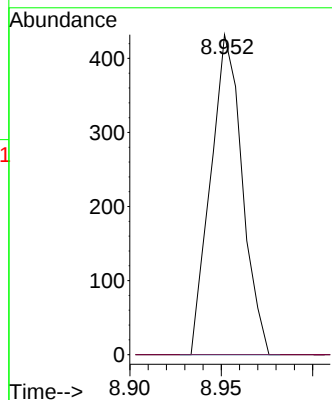
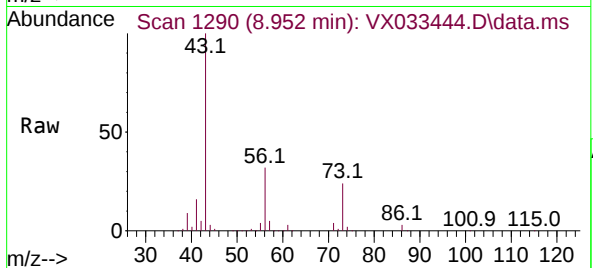
MH-23

Tgt Ion: 75 Resp: 520

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#



#54

cis-1,3-Dichloropropene

Concen: 13.525 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX033444.D

Acq: 15 Dec 2022 15:59

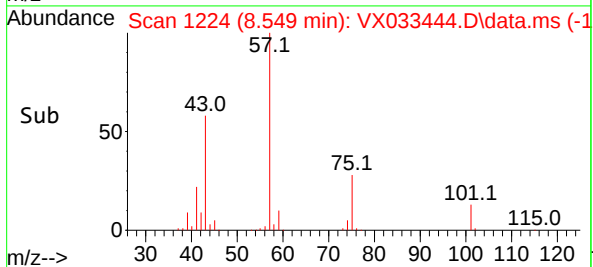
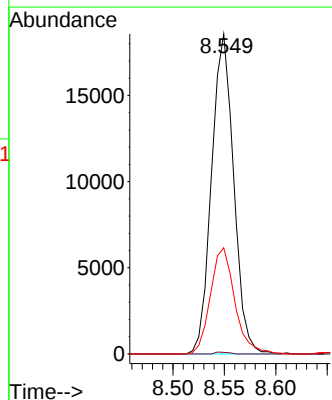
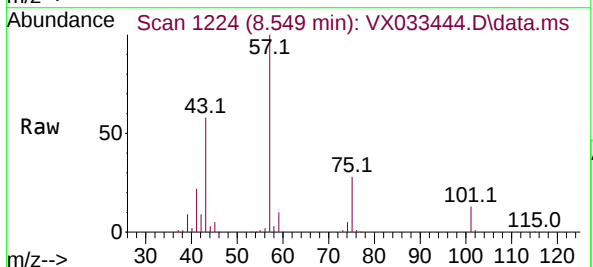
Tgt Ion: 75 Resp: 27734

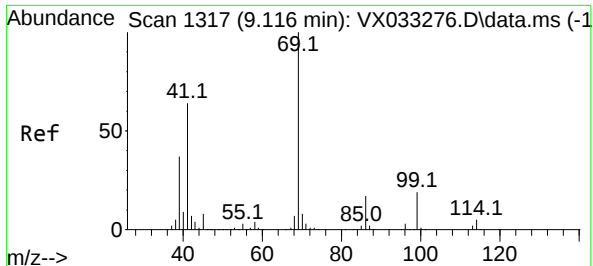
Ion Ratio Lower Upper

75 100

77 0.5 25.1 37.7#

39 33.2 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: VX033444.D

Acq: 15 Dec 2022 15:59

Instrument :

MSVOA_X

ClientSampleId :

MH-23

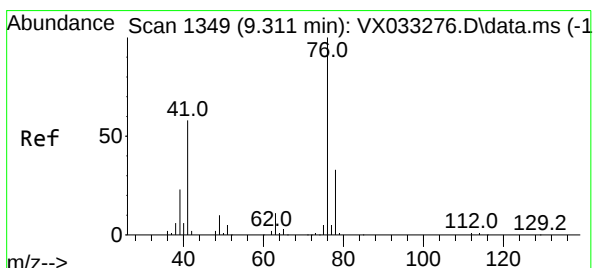
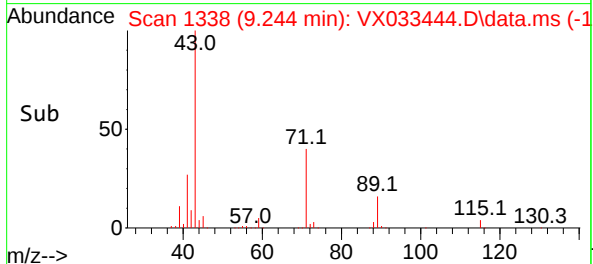
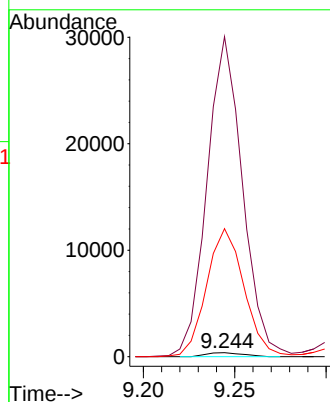
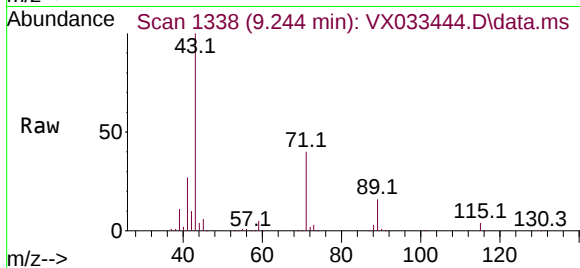
Tgt Ion: 69 Resp: 524

Ion Ratio Lower Upper

69 100

41 7761.5 54.3 81.5#

39 3283.2 35.2 52.8#



#57

1,3-Dichloropropane

Concen: 1.618 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX033444.D

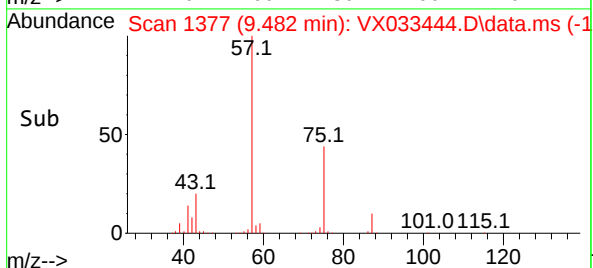
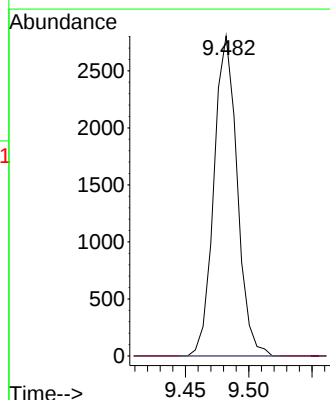
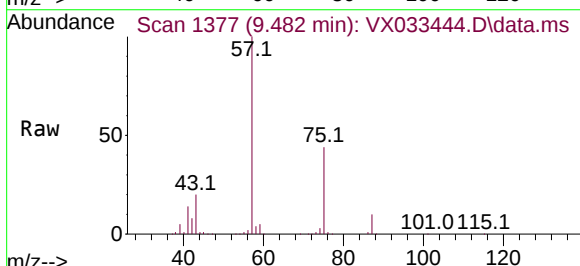
Acq: 15 Dec 2022 15:59

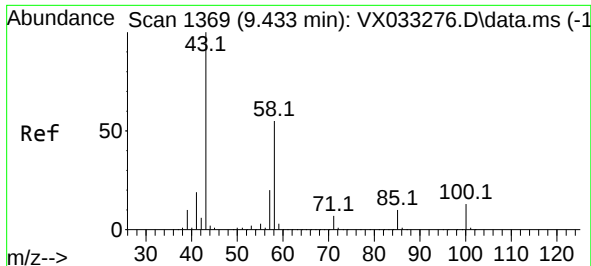
Tgt Ion: 76 Resp: 3584

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#





#59

2-Hexanone

Concen: 40.521 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX033444.D

Acq: 15 Dec 2022 15:59

Instrument :

MSVOA_X

ClientSampleId :

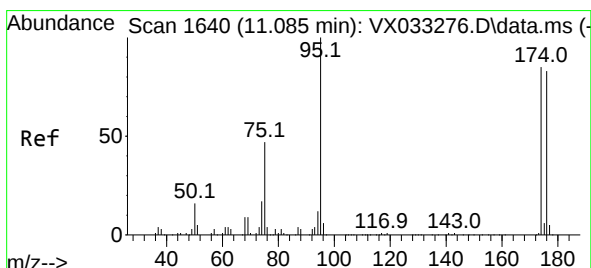
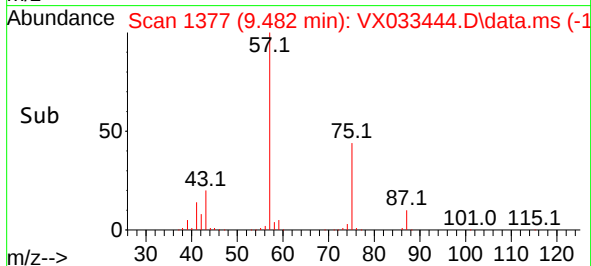
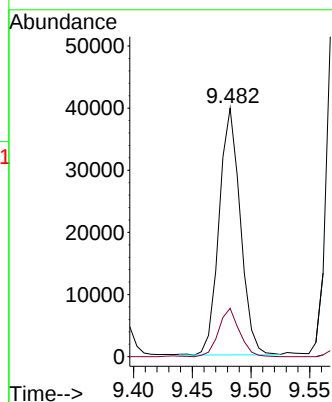
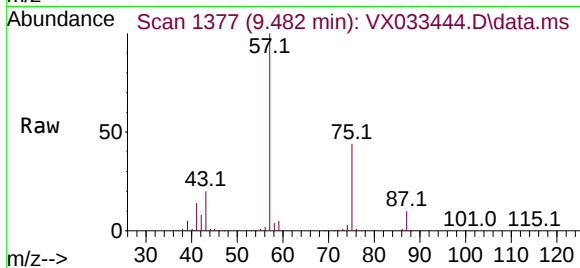
MH-23

Tgt Ion: 43 Resp: 49986

Ion Ratio Lower Upper

43 100

58 19.3 26.5 79.5#



#62

4-Bromofluorobenzene

Concen: 51.726 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX033444.D

Acq: 15 Dec 2022 15:59

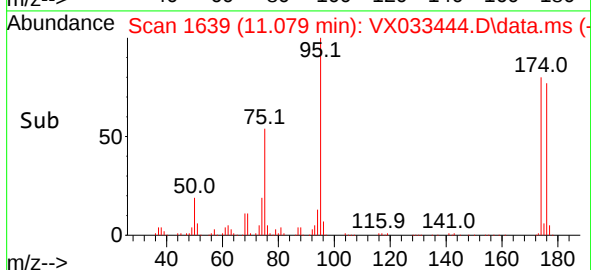
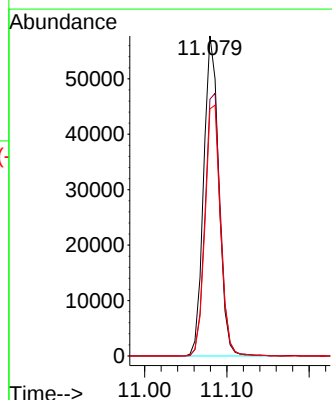
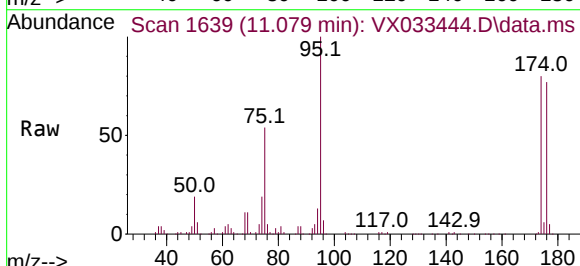
Tgt Ion: 95 Resp: 73854

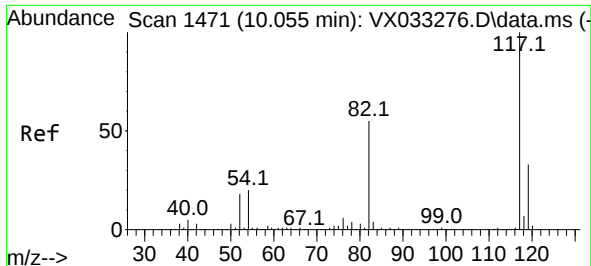
Ion Ratio Lower Upper

95 100

174 83.9 0.0 164.0

176 79.9 0.0 154.4

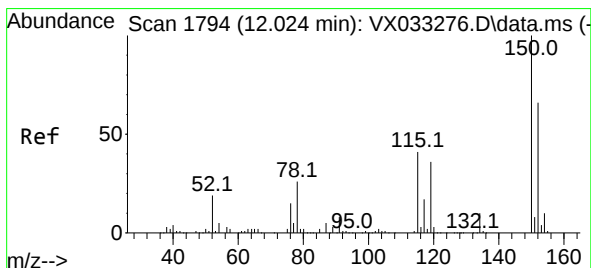
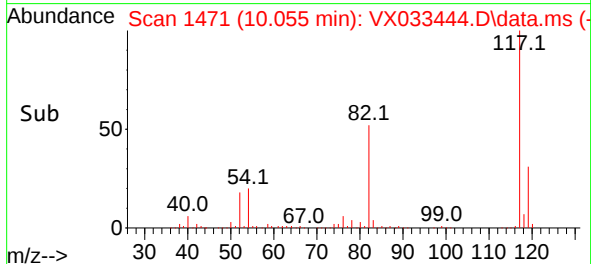
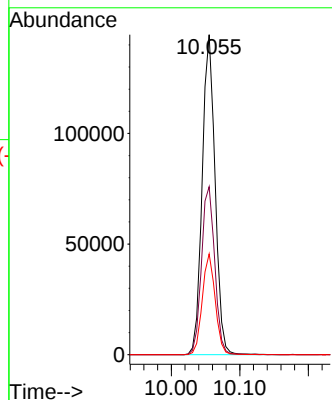
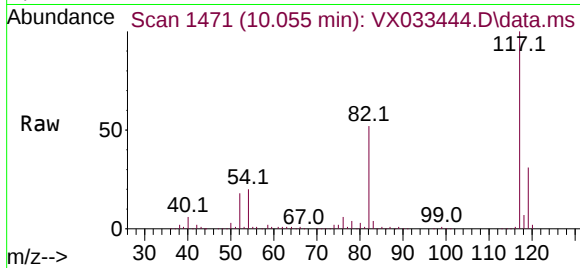




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033444.D
Acq: 15 Dec 2022 15:59

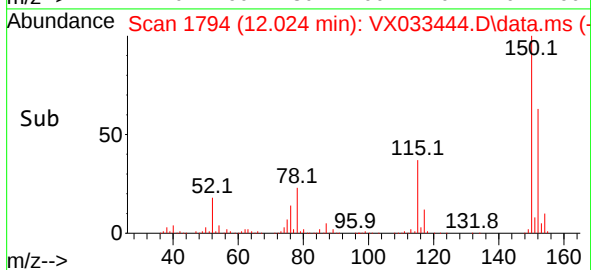
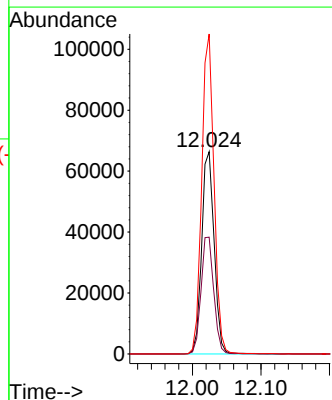
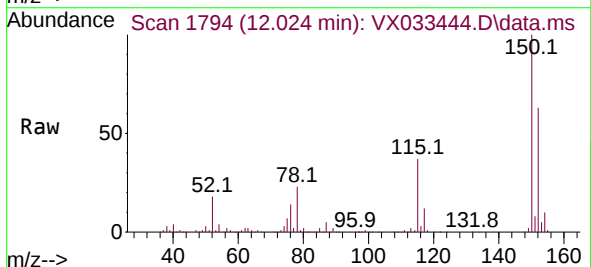
Instrument :
MSVOA_X
ClientSampleId :
MH-23

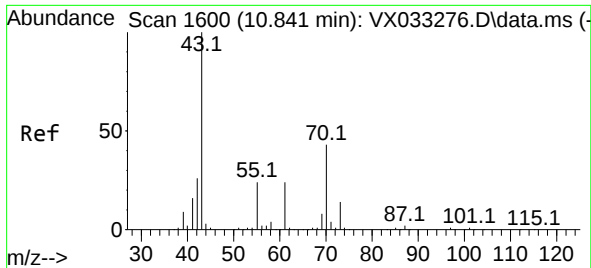
Tgt Ion:117 Resp: 189644
Ion Ratio Lower Upper
117 100
82 52.5 44.3 66.5
119 31.5 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033444.D
Acq: 15 Dec 2022 15:59

Tgt Ion:152 Resp: 84059
Ion Ratio Lower Upper
152 100
115 59.2 44.0 132.0
150 155.6 0.0 351.8

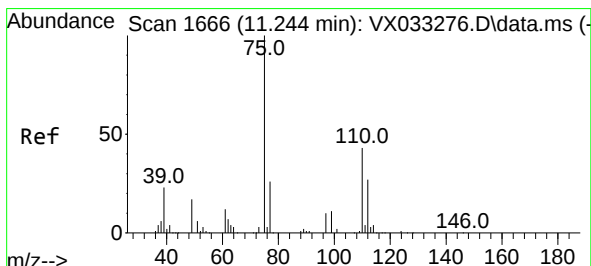
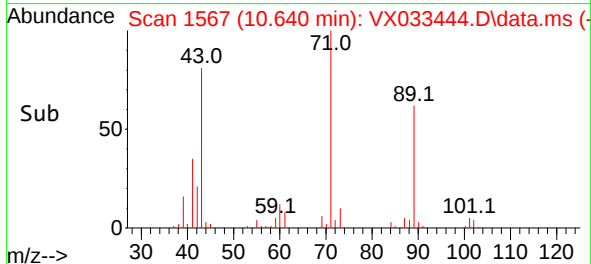
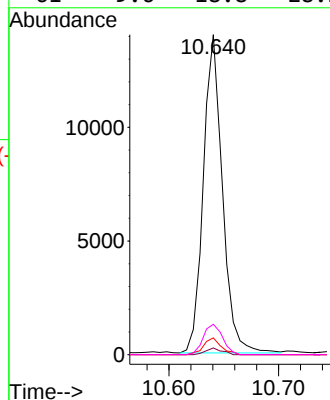
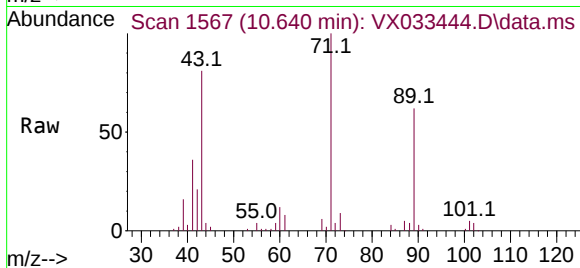




#74
N-amy1 acetate
Concen: 8.152 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.201 min
Lab File: VX033444.D
Acq: 15 Dec 2022 15:59

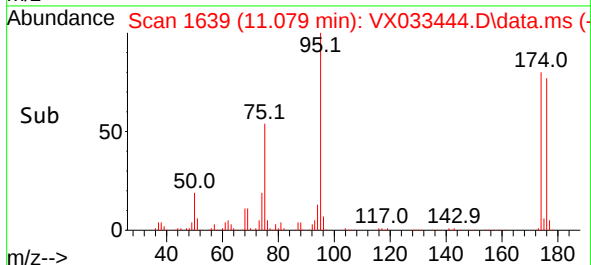
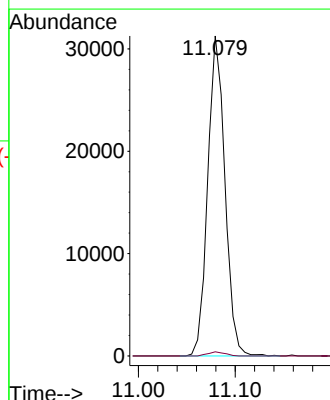
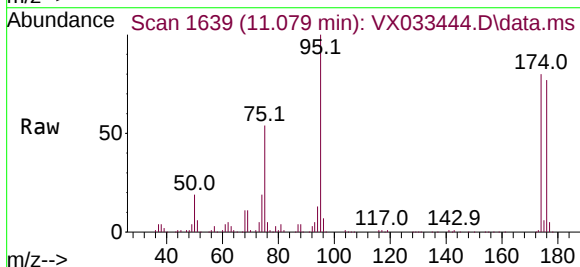
Instrument :
MSVOA_X
ClientSampleId :
MH-23

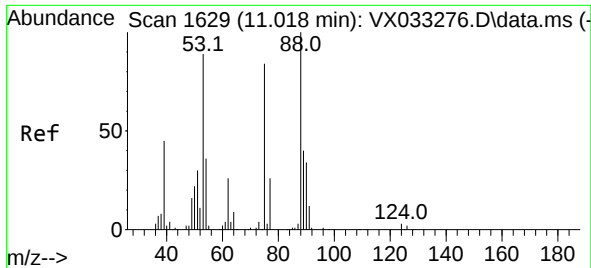
Tgt Ion:	43	Resp:	16946
Ion	Ratio	Lower	Upper
43	100		
70	1.8	33.6	50.4#
55	4.9	19.4	29.2#
61	9.6	18.8	28.2#



#76
1,2,3-Trichloropropane
Concen: 22.636 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX033444.D
Acq: 15 Dec 2022 15:59

Tgt Ion:	75	Resp:	38712
Ion	Ratio	Lower	Upper
75	100		
77	1.3	20.0	60.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.414 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX033444.D
 Acq: 15 Dec 2022 15:59

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-23

Tgt Ion: 75 Resp: 38712
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.9 130.3#
 89 0.0 38.3 57.5#

