

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030723\
 Data File : VX034366.D
 Acq On : 07 Mar 2023 12:37
 Operator : JC/MD
 Sample : 01825-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 HH-TP1-0306

Quant Time: Mar 08 01:01:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

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

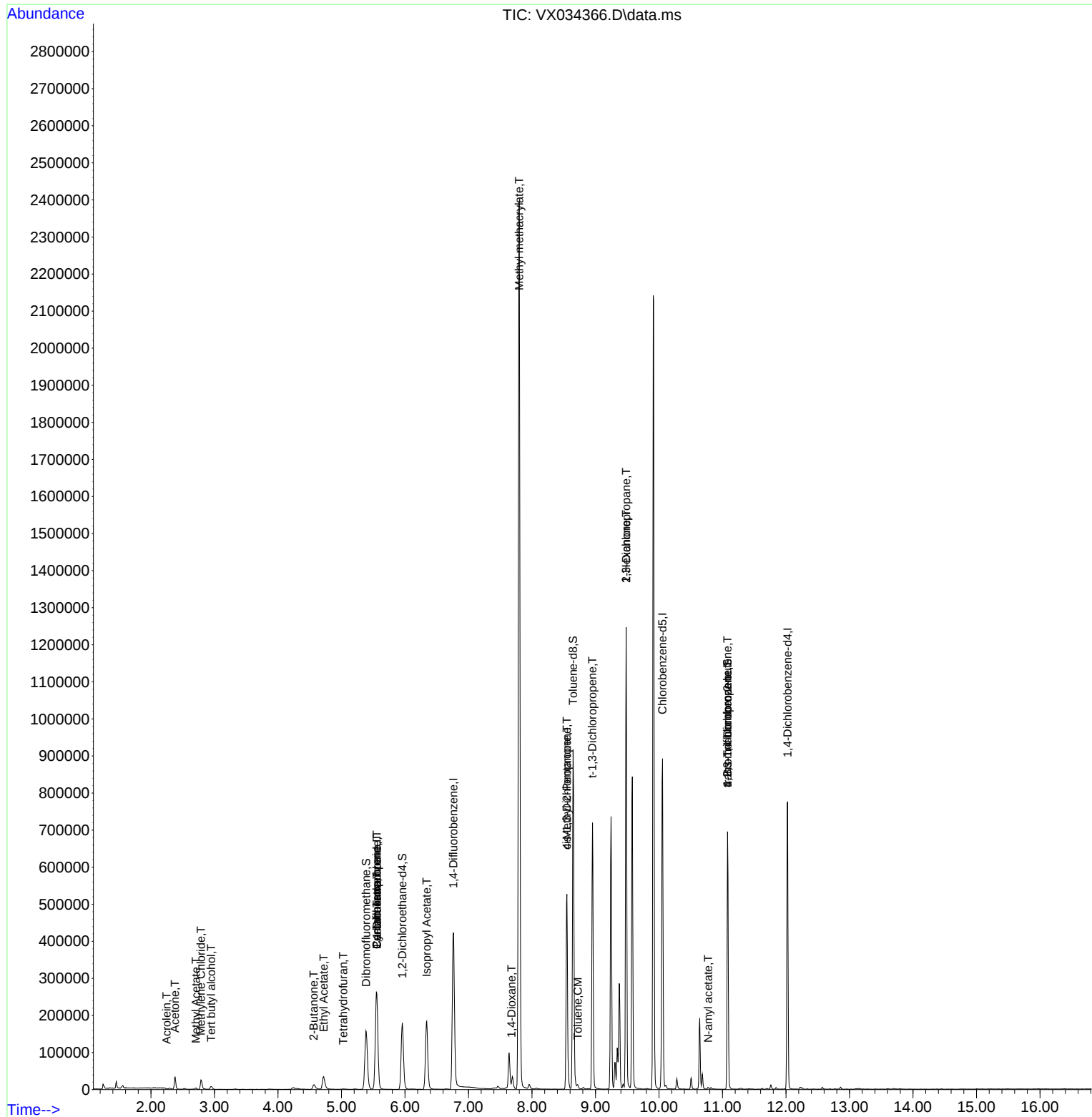
Internal Standards						
1) Pentafluorobenzene	5.556	168	256871	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	435037	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	389655	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	163922	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	162611	47.005	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.000%		
35) Dibromofluoromethane	5.385	113	136559	48.211	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.420%		
50) Toluene-d8	8.647	98	531453	52.259	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	104.520%		
62) 4-Bromofluorobenzene	11.079	95	181261	46.597	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.200%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.612	94	252	Below Cal	#	77
11) Tert butyl alcohol	2.947	59	7051	9.113	ug/l #	95
13) Acrolein	2.246	56	151	0.428	ug/l #	50
16) Acetone	2.380	43	34569	19.371	ug/l	90
18) Methyl Acetate	2.709	43	3983	0.721	ug/l	100
20) Methylene Chloride	2.788	84	12151	3.779	ug/l	97
25) 2-Butanone	4.562	43	20953	8.115	ug/l	96
29) Tetrahydrofuran	5.026	42	796	0.505	ug/l #	49
31) Cyclohexane	5.556	56	5482	1.061	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	20170	4.815	ug/l #	48
37) Ethyl Acetate	4.721	43	62715	13.396	ug/l	98
38) Carbon Tetrachloride	5.556	117	25403	5.893	ug/l #	15
43) Isopropyl Acetate	6.342	43	260707	31.557	ug/l	99
48) Methyl methacrylate	7.800	41	207888	53.017	ug/l #	46
49) 1,4-Dioxane	7.678	88	22	0.281	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	190900	41.999	ug/l #	49
52) Toluene	8.720	92	2988	0.397	ug/l	93
53) t-1,3-Dichloropropene	8.952	75	1703	0.331	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	85962	15.629	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	10415	1.972	ug/l #	44
59) 2-Hexanone	9.482	43	148147	42.768	ug/l #	50
74) N-amyl acetate	10.775	43	2454	0.391	ug/l #	49
76) 1,2,3-Trichloropropane	11.079	75	91800	22.256	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	91800	57.174	ug/l #	8

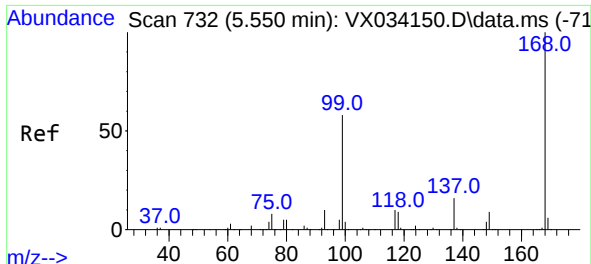
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 08 01:01:38 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 17 12:33:35 2023
Response via : Initial Calibration

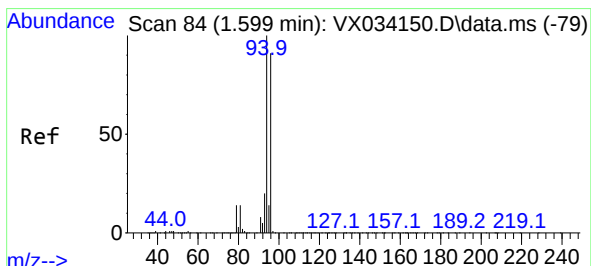
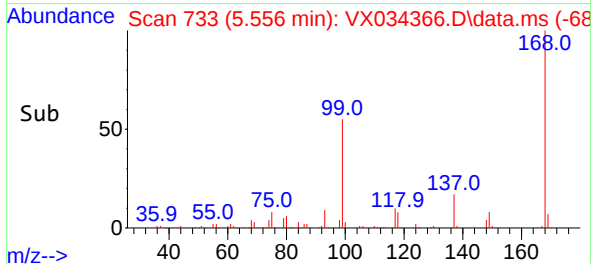
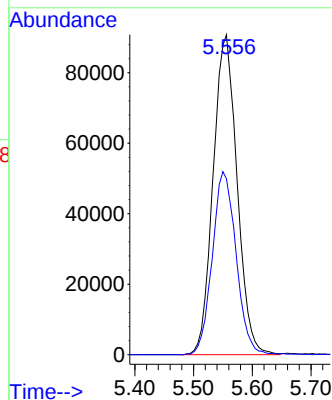
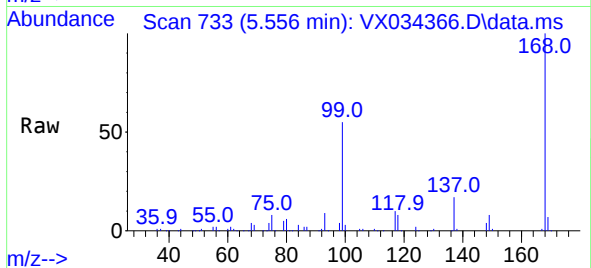




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034366.D
Acq: 07 Mar 2023 12:37

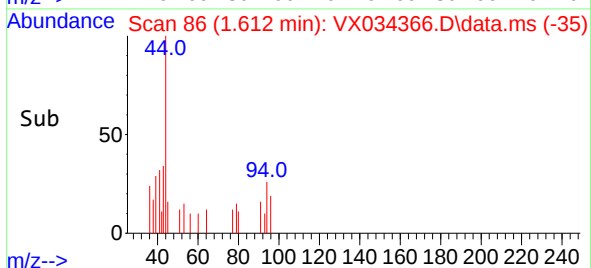
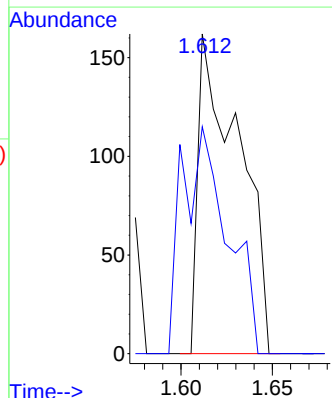
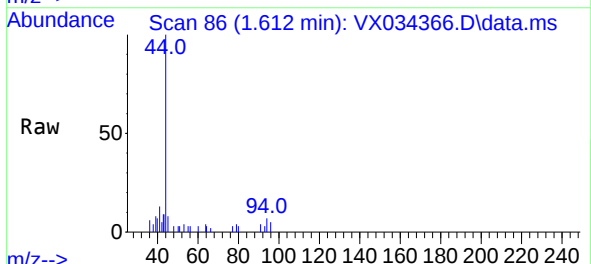
Instrument :
MSVOA_X
ClientSampleId :
HH-TP1-0306

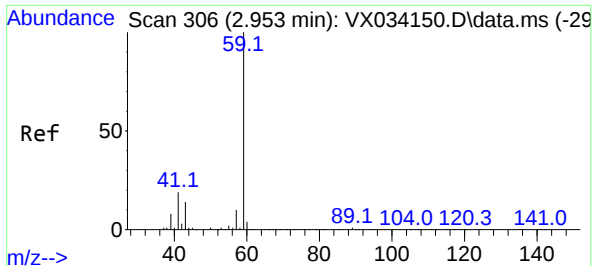
Tgt Ion:168 Resp: 256871
Ion Ratio Lower Upper
168 100
99 54.9 39.6 59.4



#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX034366.D
Acq: 07 Mar 2023 12:37

Tgt Ion: 94 Resp: 252
Ion Ratio Lower Upper
94 100
96 71.0 74.3 111.5#





#11

Tert butyl alcohol

Concen: 9.113 ug/l

RT: 2.947 min Scan# 306

Delta R.T. -0.006 min

Lab File: VX034366.D

Acq: 07 Mar 2023 12:37

Instrument :

MSVOA_X

ClientSampleId :

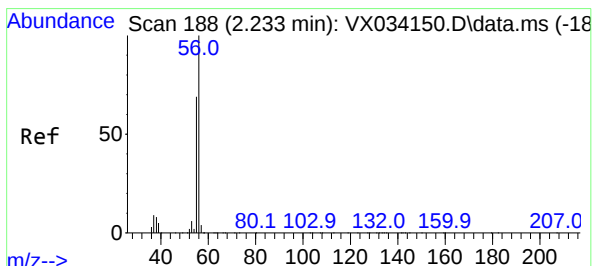
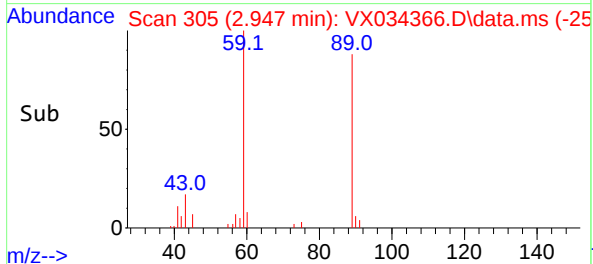
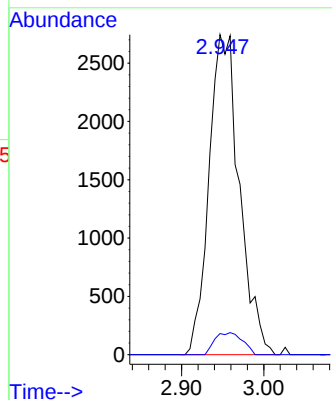
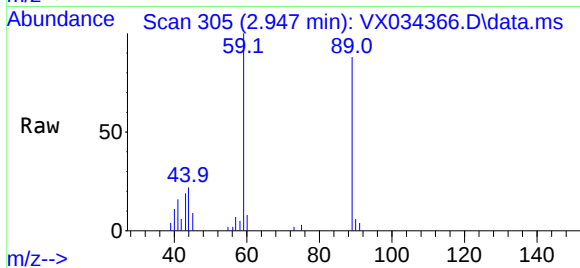
HH-TP1-0306

Tgt Ion: 59 Resp: 7051

Ion Ratio Lower Upper

59 100

57 6.3 3.7 5.5#



#13

Acrolein

Concen: 0.428 ug/l

RT: 2.246 min Scan# 190

Delta R.T. 0.012 min

Lab File: VX034366.D

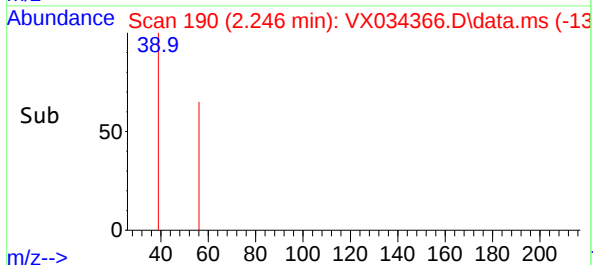
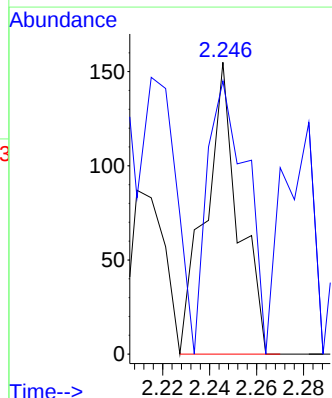
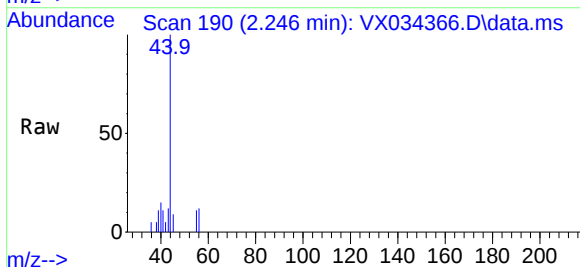
Acq: 07 Mar 2023 12:37

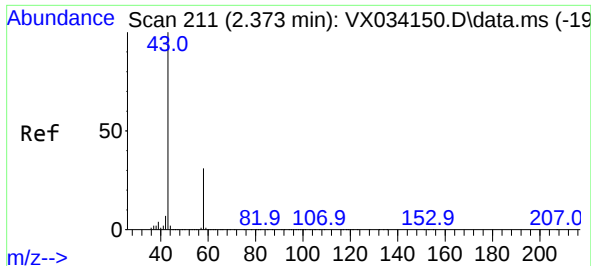
Tgt Ion: 56 Resp: 151

Ion Ratio Lower Upper

56 100

55 111.3 56.3 84.5#

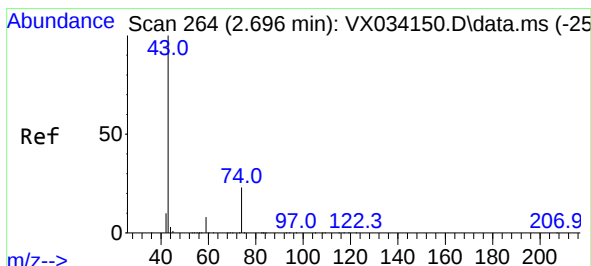
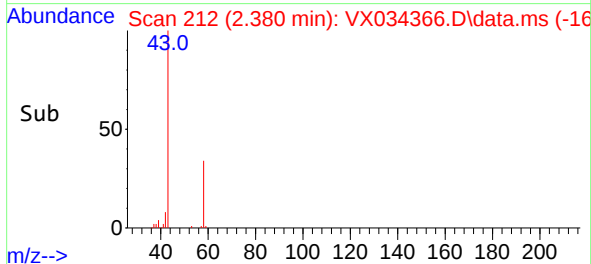
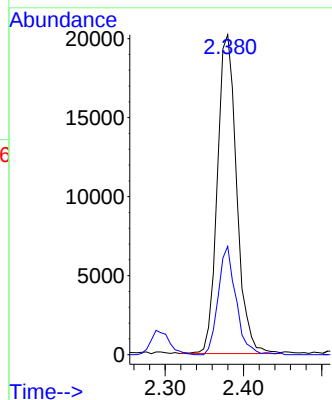
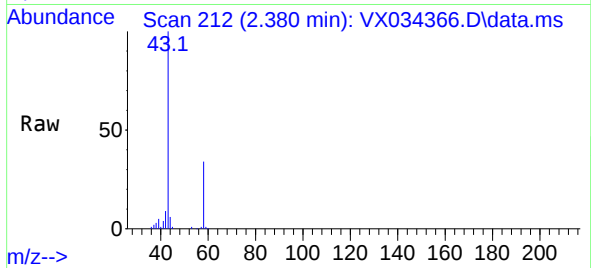




#16
Acetone
Concen: 19.371 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034366.D
Acq: 07 Mar 2023 12:37

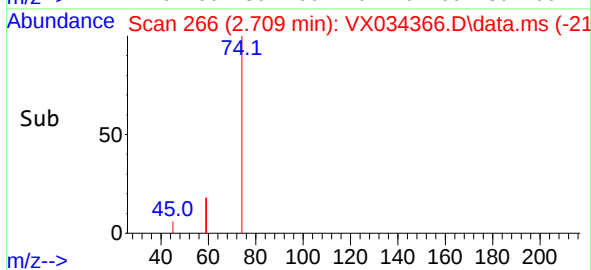
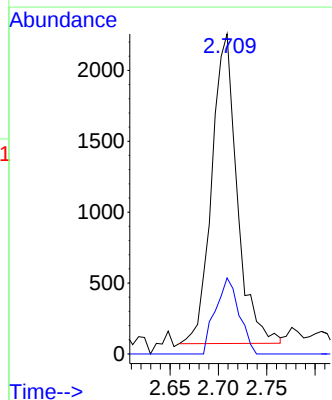
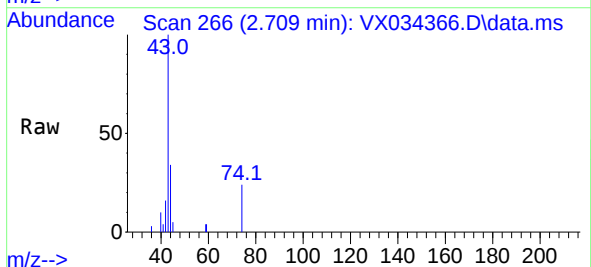
Instrument :
MSVOA_X
ClientSampleId :
HH-TP1-0306

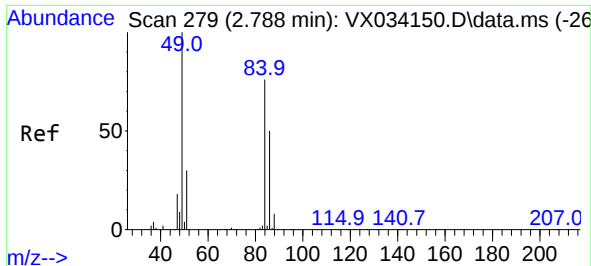
Tgt Ion: 43 Resp: 34569
Ion Ratio Lower Upper
43 100
58 33.5 22.6 33.8



#18
Methyl Acetate
Concen: 0.721 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.012 min
Lab File: VX034366.D
Acq: 07 Mar 2023 12:37

Tgt Ion: 43 Resp: 3983
Ion Ratio Lower Upper
43 100
74 22.7 18.2 27.4

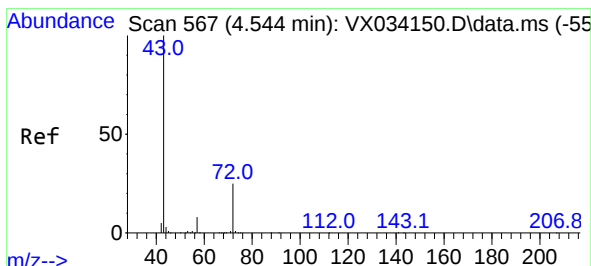
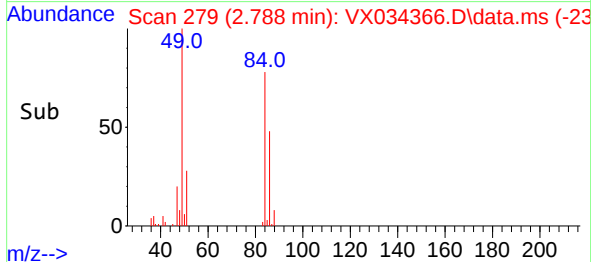
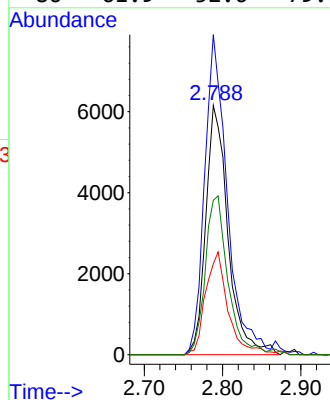
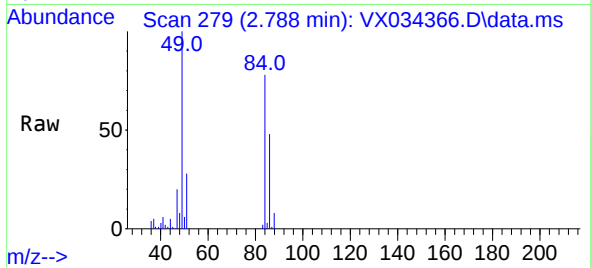




#20
Methylene Chloride
Concen: 3.779 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX034366.D
Acq: 07 Mar 2023 12:37

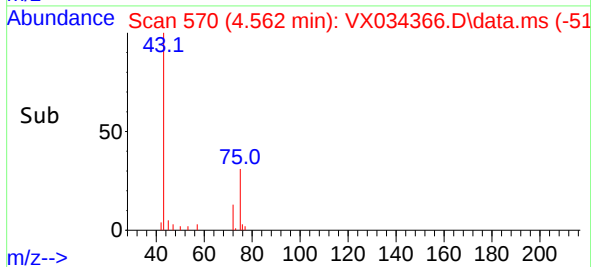
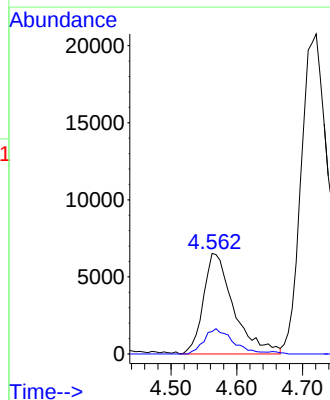
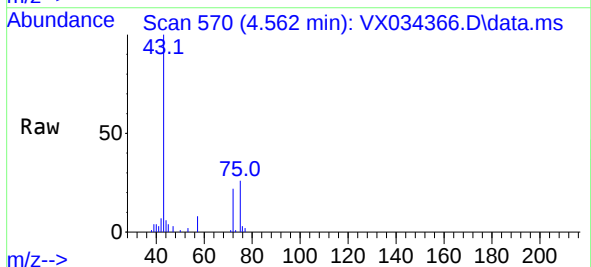
Instrument :
MSVOA_X
ClientSampleId :
HH-TP1-0306

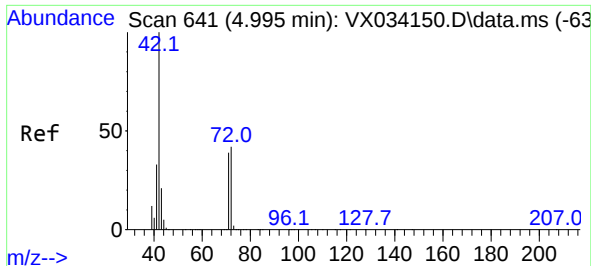
Tgt Ion: 84 Resp: 12151
Ion Ratio Lower Upper
84 100
49 128.3 101.1 151.7
51 36.5 31.0 46.6
86 61.9 52.6 79.0



#25
2-Butanone
Concen: 8.115 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.019 min
Lab File: VX034366.D
Acq: 07 Mar 2023 12:37

Tgt Ion: 43 Resp: 20953
Ion Ratio Lower Upper
43 100
72 22.3 19.4 29.2





#29

Tetrahydrofuran

Concen: 0.505 ug/l

RT: 5.026 min Scan# 641

Delta R.T. 0.031 min

Lab File: VX034366.D

Acq: 07 Mar 2023 12:37

Instrument :

MSVOA_X

ClientSampleId :

HH-TP1-0306

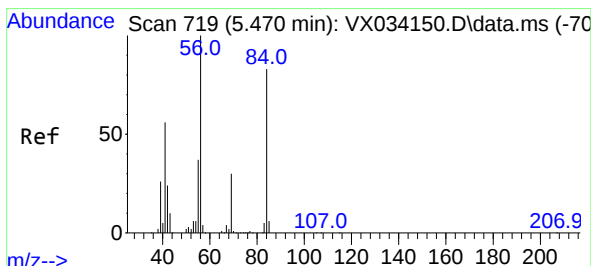
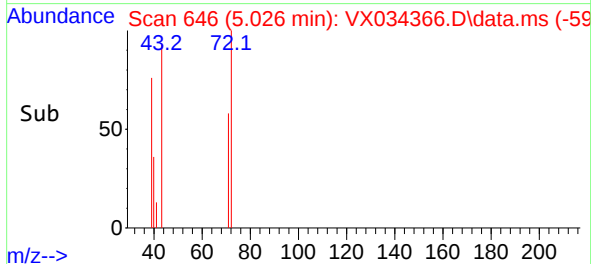
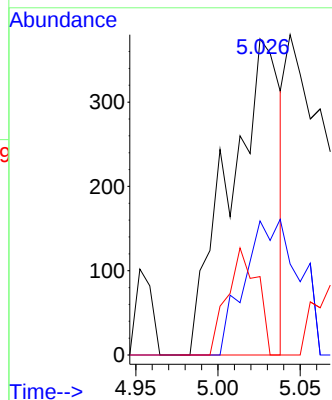
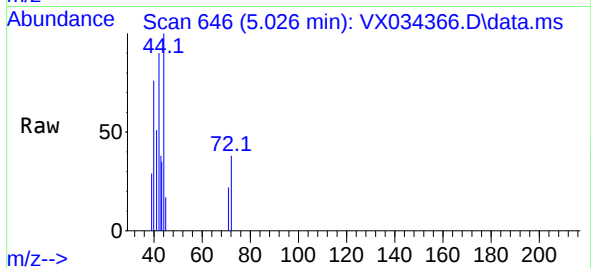
Tgt Ion: 42 Resp: 796

Ion Ratio Lower Upper

42 100

72 0.0 34.8 52.2#

71 20.4 32.2 48.2#



#31

Cyclohexane

Concen: 1.061 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX034366.D

Acq: 07 Mar 2023 12:37

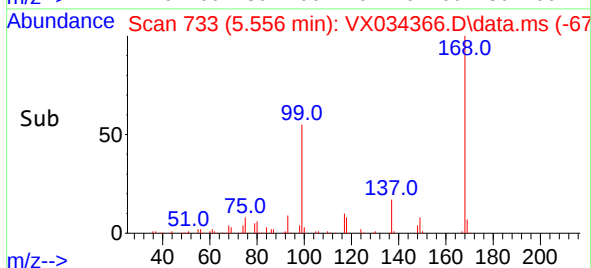
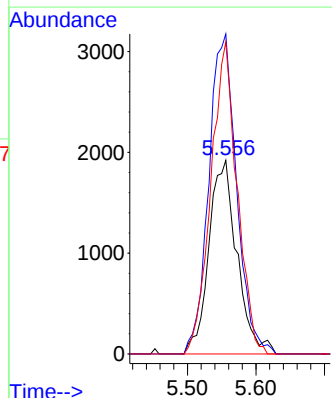
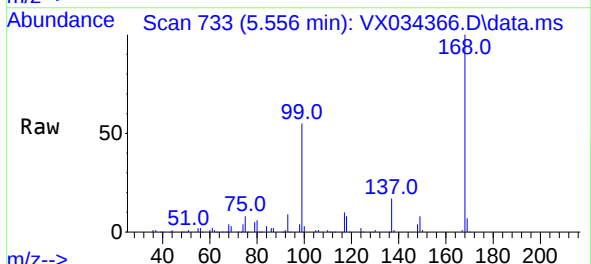
Tgt Ion: 56 Resp: 5482

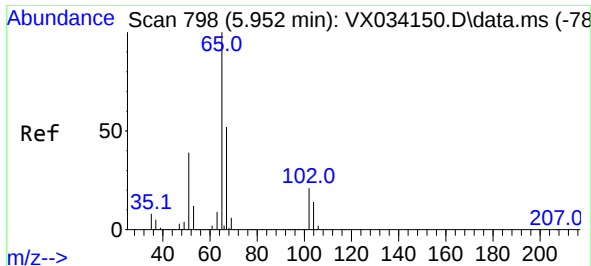
Ion Ratio Lower Upper

56 100

69 165.3 24.6 37.0#

84 161.1 71.0 106.6#

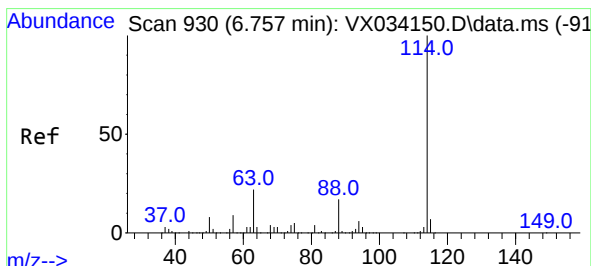
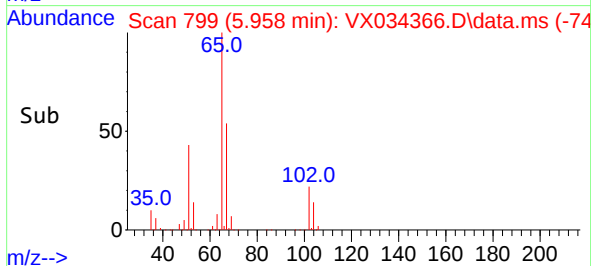
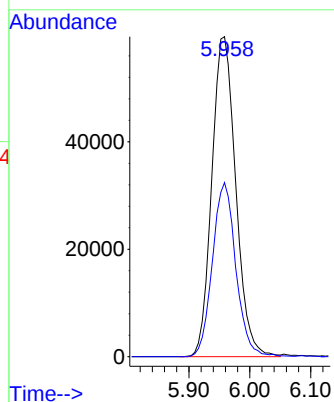
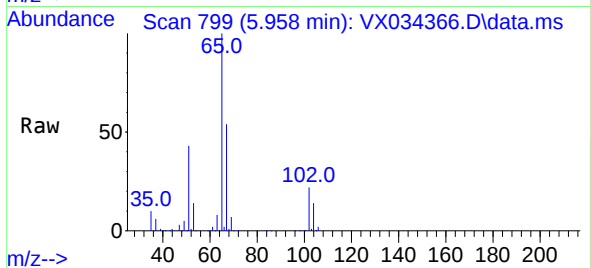




#33
1,2-Dichloroethane-d4
Concen: 47.005 ug/l
RT: 5.958 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX034366.D
Acq: 07 Mar 2023 12:37

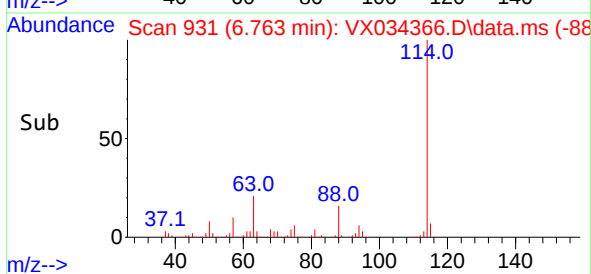
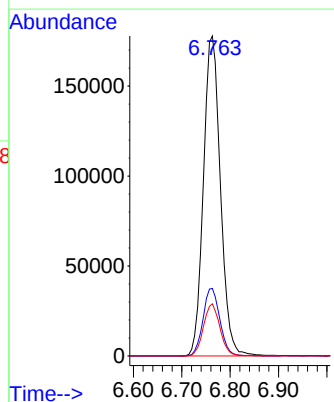
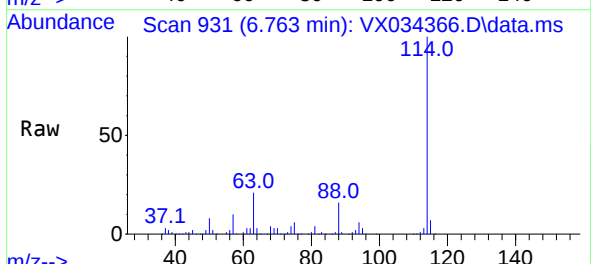
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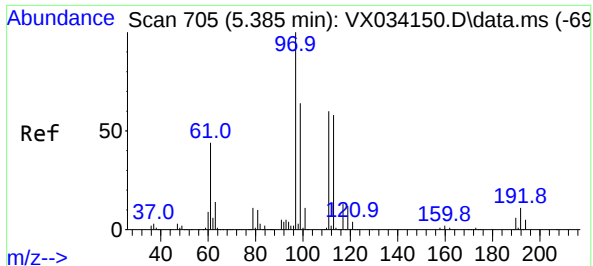
Tgt Ion: 65 Resp: 162611
Ion Ratio Lower Upper
65 100
67 53.3 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.006 min
Lab File: VX034366.D
Acq: 07 Mar 2023 12:37

Tgt Ion: 114 Resp: 435037
Ion Ratio Lower Upper
114 100
63 21.1 0.0 37.4
88 16.3 0.0 30.6

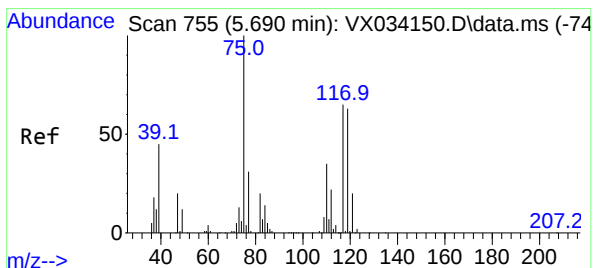
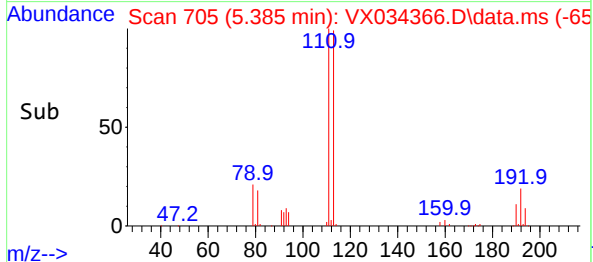
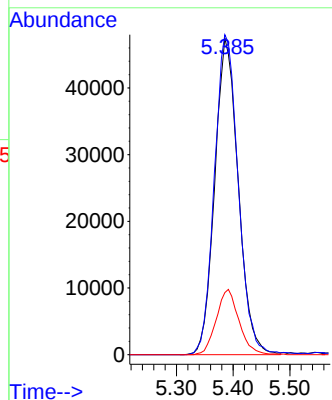
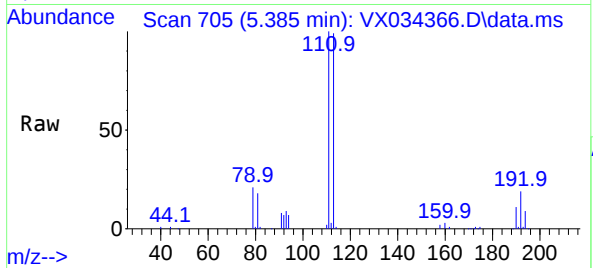




#35
Dibromofluoromethane
Concen: 48.211 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX034366.D
Acq: 07 Mar 2023 12:37

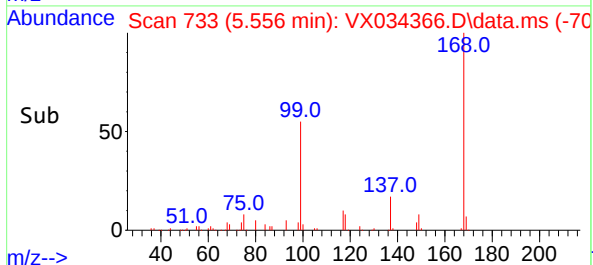
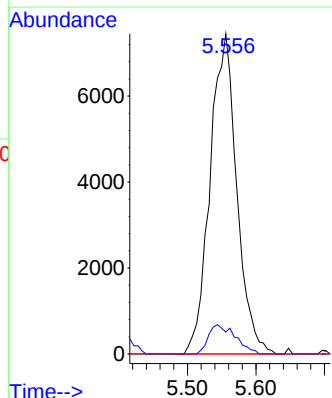
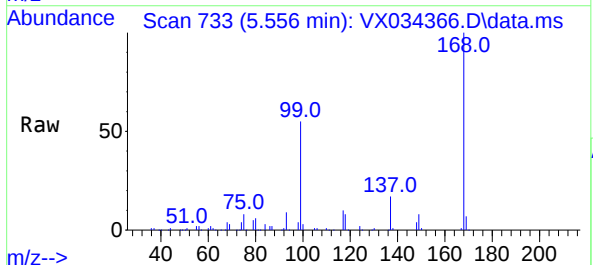
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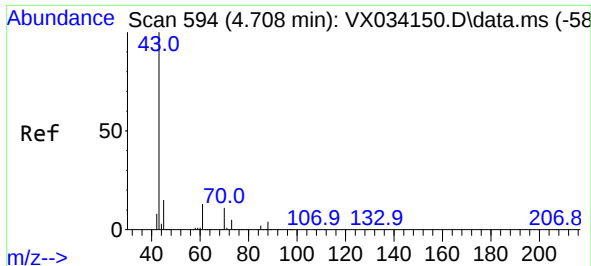
Tgt Ion:113 Resp: 136559
Ion Ratio Lower Upper
113 100
111 103.0 83.0 124.6
192 20.0 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.815 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX034366.D
Acq: 07 Mar 2023 12:37

Tgt Ion: 75 Resp: 20170
Ion Ratio Lower Upper
75 100
110 9.2 18.8 56.4#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 13.396 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.012 min

Lab File: VX034366.D

Acq: 07 Mar 2023 12:37

Instrument :

MSVOA_X

ClientSampleId :

HH-TP1-0306

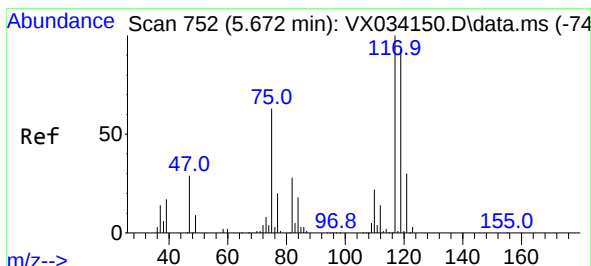
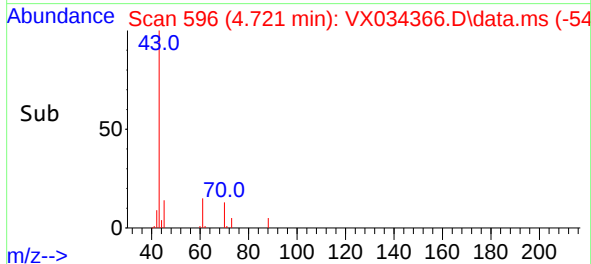
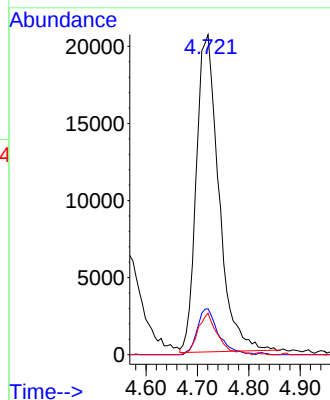
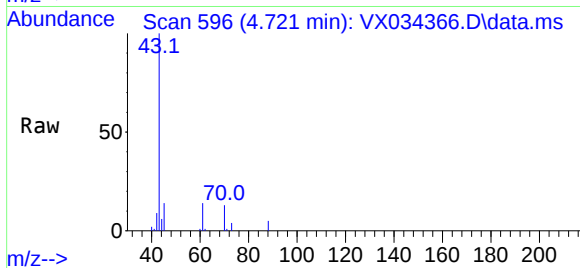
Tgt Ion: 43 Resp: 62715

Ion Ratio Lower Upper

43 100

61 13.7 11.1 16.7

70 11.6 8.5 12.7



#38

Carbon Tetrachloride

Concen: 5.893 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.116 min

Lab File: VX034366.D

Acq: 07 Mar 2023 12:37

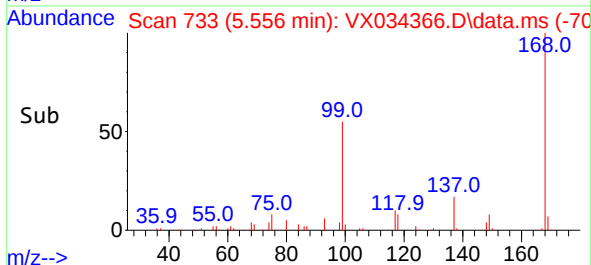
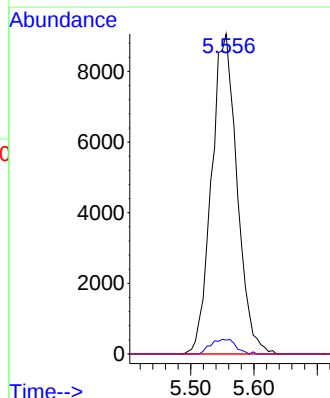
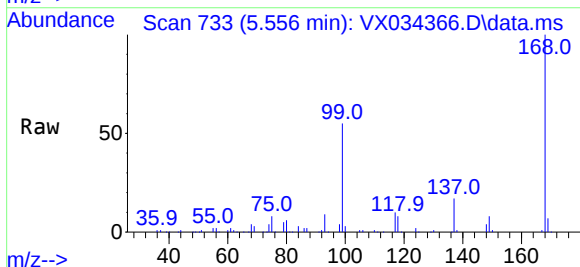
Tgt Ion: 117 Resp: 25403

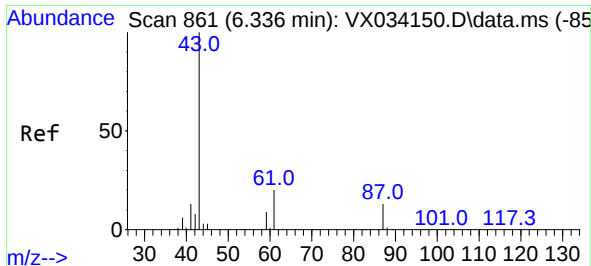
Ion Ratio Lower Upper

117 100

119 4.3 78.0 117.0#

121 0.0 24.4 36.6#

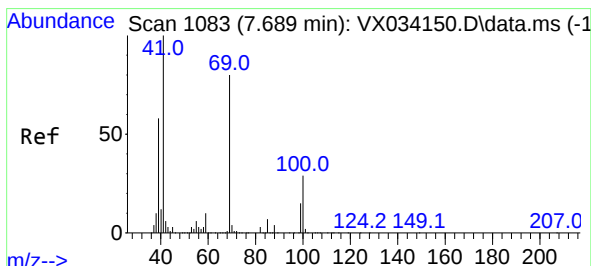
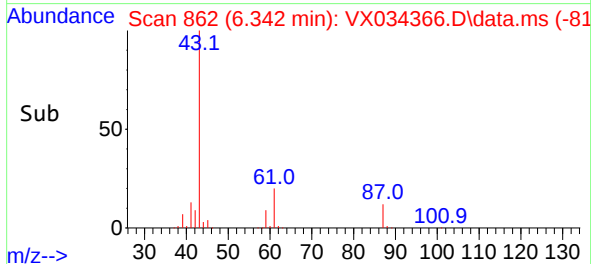
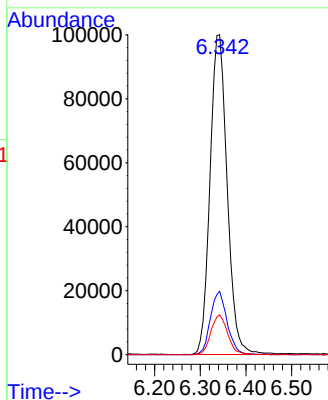
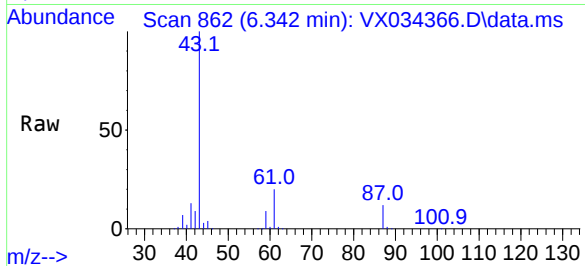




#43
Isopropyl Acetate
Concen: 31.557 ug/l
RT: 6.342 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX034366.D
Acq: 07 Mar 2023 12:37

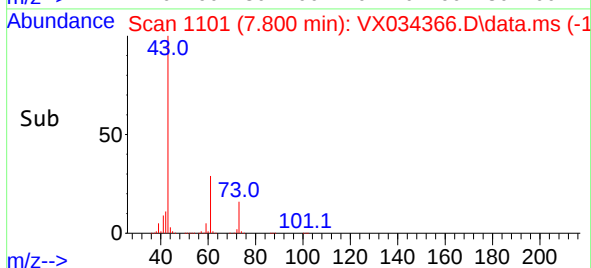
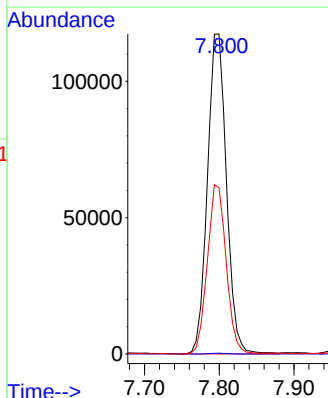
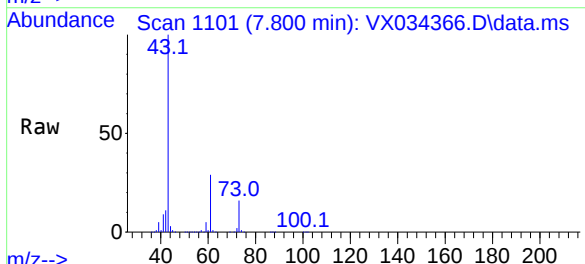
Instrument :
MSVOA_X
ClientSampleId :
HH-TP1-0306

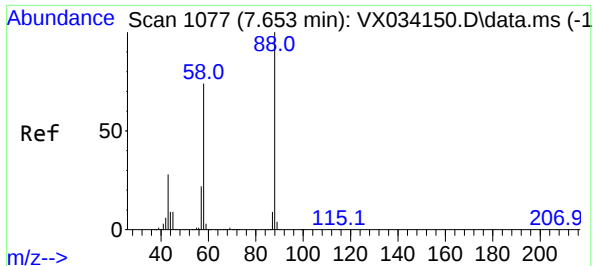
Tgt Ion: 43 Resp: 260707
Ion Ratio Lower Upper
43 100
61 19.3 15.7 23.5
87 12.2 10.6 15.8



#48
Methyl methacrylate
Concen: 53.017 ug/l
RT: 7.800 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX034366.D
Acq: 07 Mar 2023 12:37

Tgt Ion: 41 Resp: 207888
Ion Ratio Lower Upper
41 100
69 0.2 63.1 94.7#
39 52.3 43.2 64.8





#49

1,4-Dioxane

Concen: 0.281 ug/l

RT: 7.678 min Scan# 1077

Delta R.T. 0.025 min

Lab File: VX034366.D

Acq: 07 Mar 2023 12:37

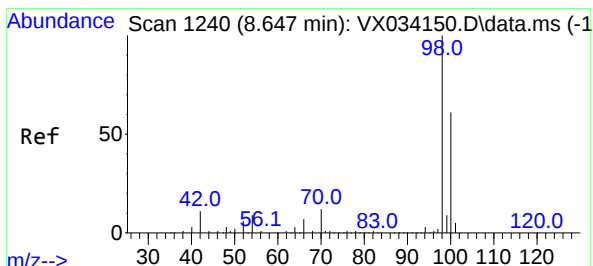
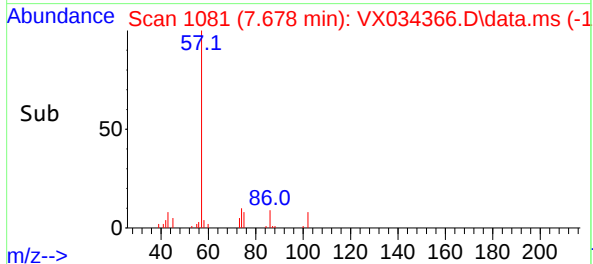
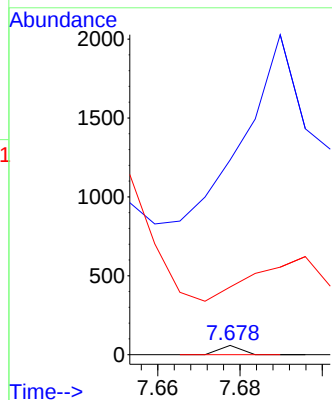
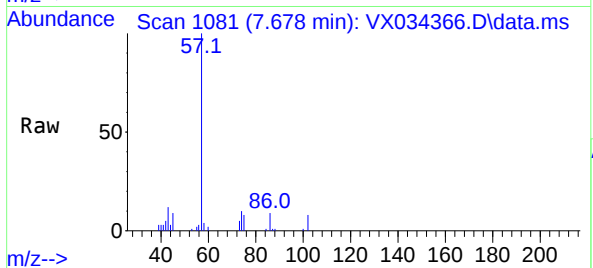
Instrument :

MSVOA_X

ClientSampleId :

HH-TP1-0306

Tgt Ion:	88	Resp:	22
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	5677.3	56.5	84.7#



#50

Toluene-d8

Concen: 52.259 ug/l

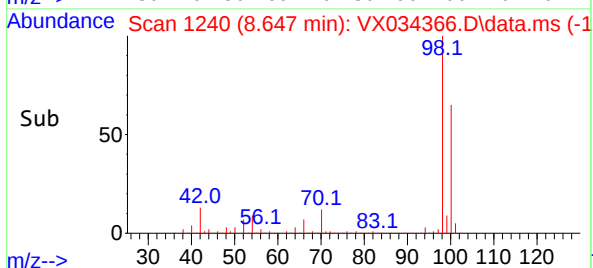
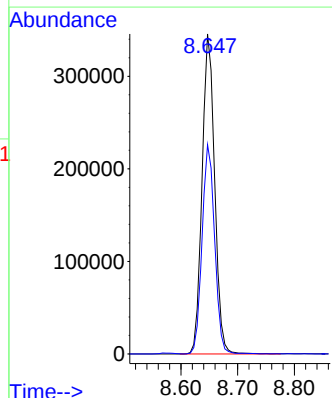
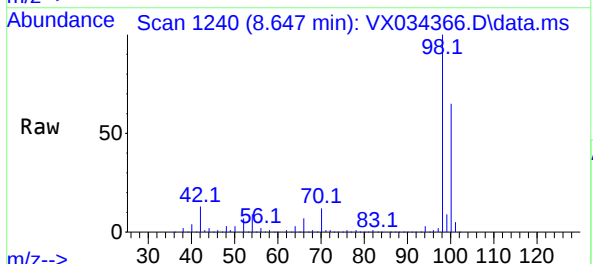
RT: 8.647 min Scan# 1240

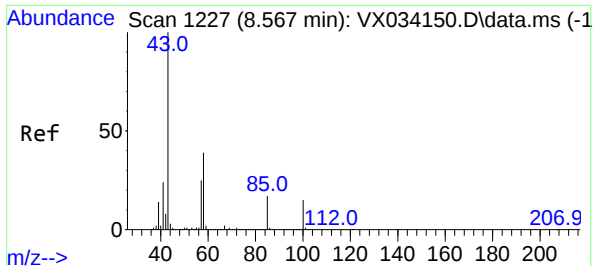
Delta R.T. 0.000 min

Lab File: VX034366.D

Acq: 07 Mar 2023 12:37

Tgt Ion:	98	Resp:	531453
Ion	Ratio	Lower	Upper
98	100		
100	65.4	53.6	80.4





#51

4-Methyl-2-Pentanone

Concen: 41.999 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.018 min

Lab File: VX034366.D

Acq: 07 Mar 2023 12:37

Instrument :

MSVOA_X

ClientSampleId :

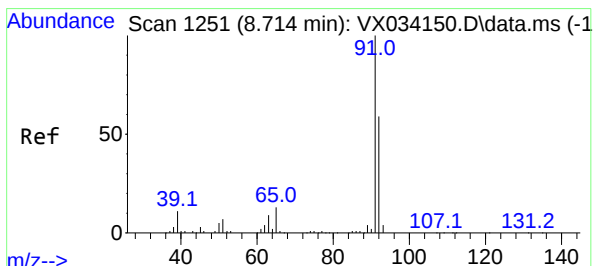
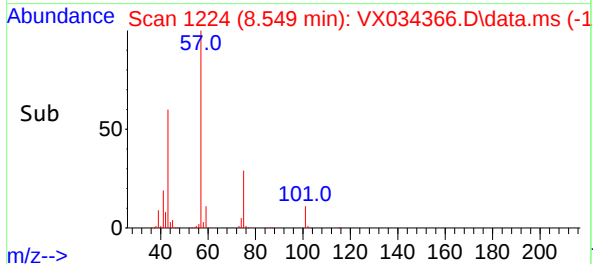
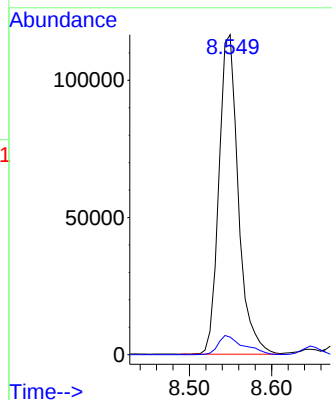
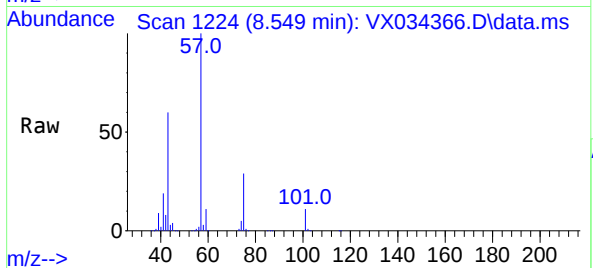
HH-TP1-0306

Tgt Ion: 43 Resp: 190900

Ion Ratio Lower Upper

43 100

58 7.8 31.2 46.8#



#52

Toluene

Concen: 0.397 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VX034366.D

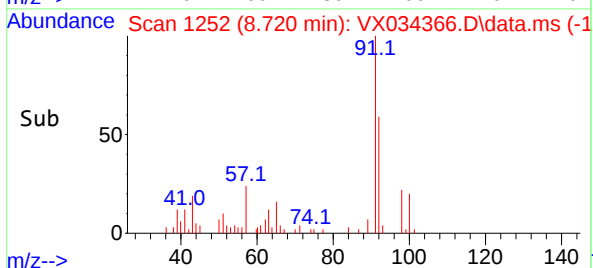
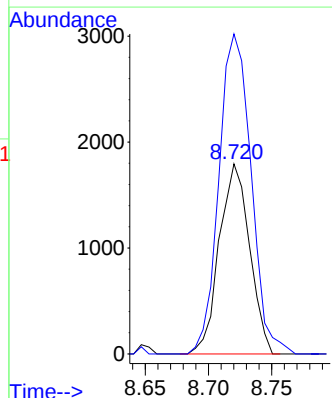
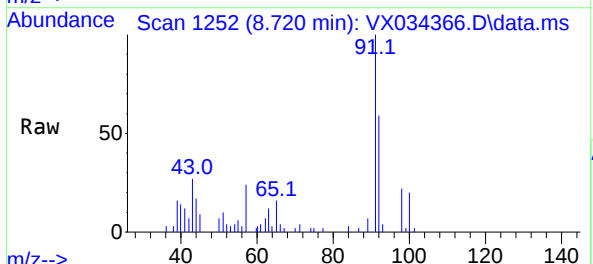
Acq: 07 Mar 2023 12:37

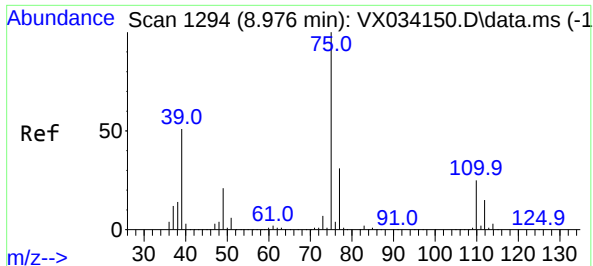
Tgt Ion: 92 Resp: 2988

Ion Ratio Lower Upper

92 100

91 179.0 135.5 203.3

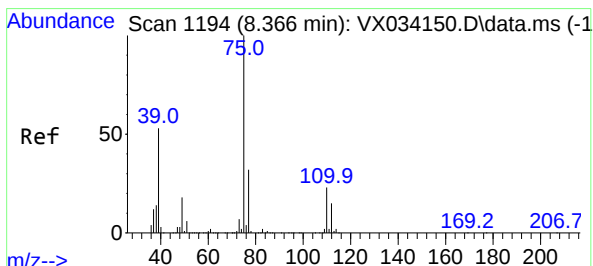
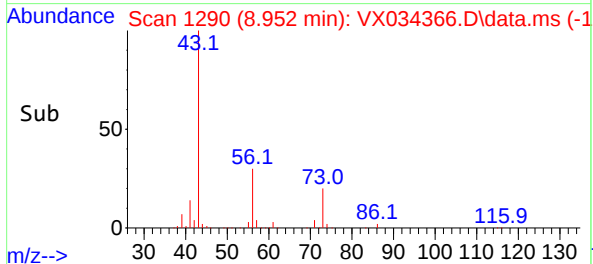
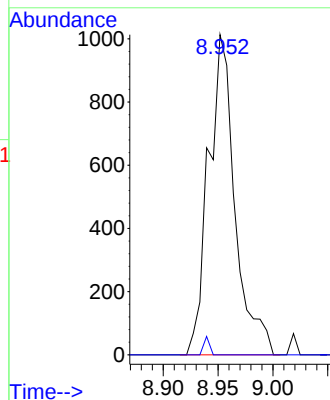
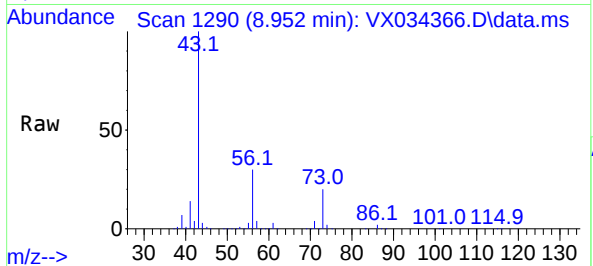




#53
t-1,3-Dichloropropene
Concen: 0.331 ug/l
RT: 8.952 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX034366.D
Acq: 07 Mar 2023 12:37

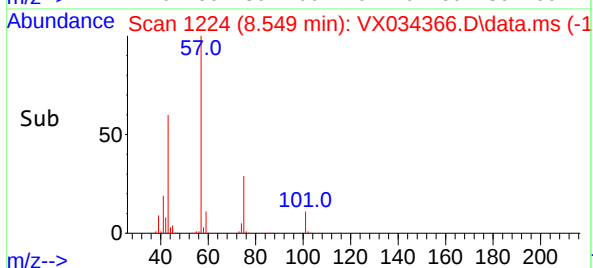
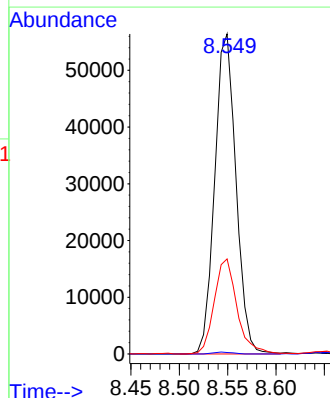
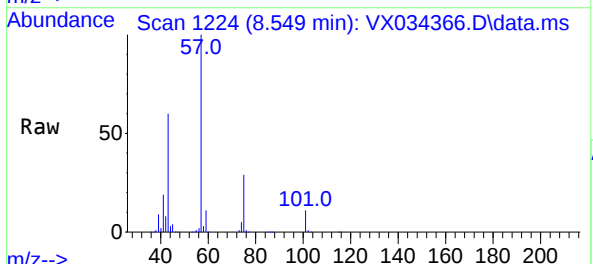
Instrument :
MSVOA_X
ClientSampleId :
HH-TP1-0306

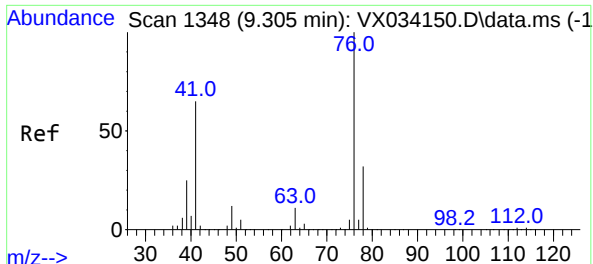
Tgt Ion: 75 Resp: 1703
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#



#54
cis-1,3-Dichloropropene
Concen: 15.629 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX034366.D
Acq: 07 Mar 2023 12:37

Tgt Ion: 75 Resp: 85962
Ion Ratio Lower Upper
75 100
77 0.5 25.0 37.6#
39 29.7 38.6 58.0#

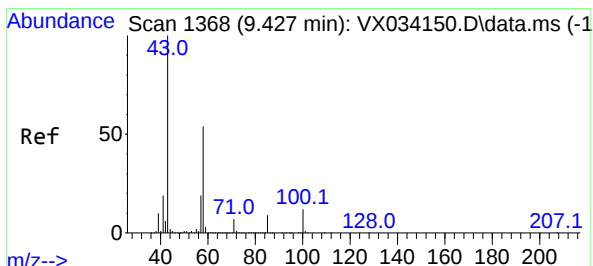
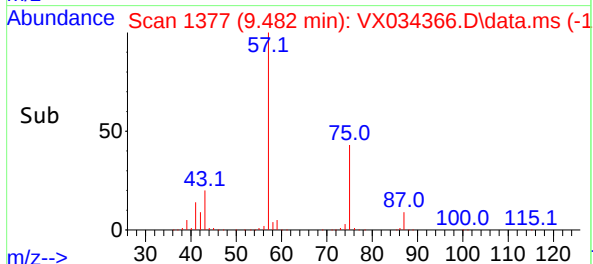
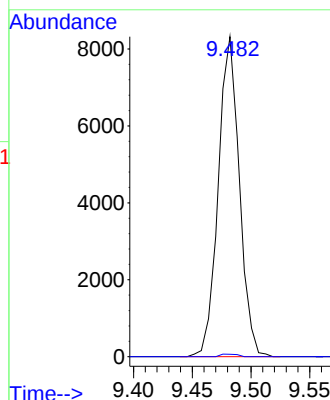
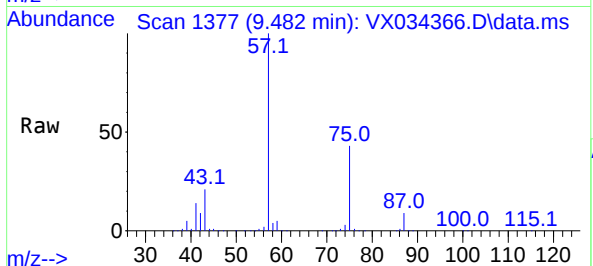




#57
1,3-Dichloropropane
Concen: 1.972 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX034366.D
Acq: 07 Mar 2023 12:37

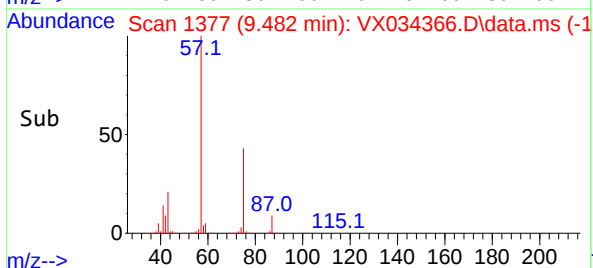
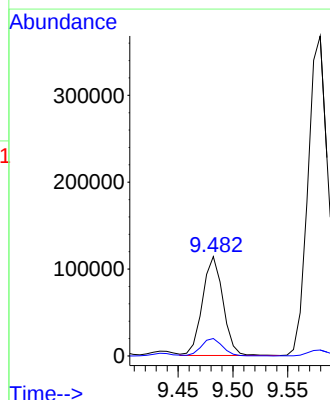
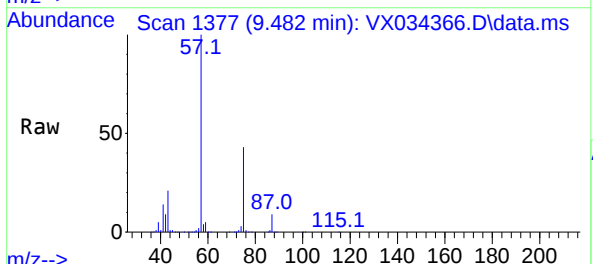
Instrument :
MSVOA_X
ClientSampleId :
HH-TP1-0306

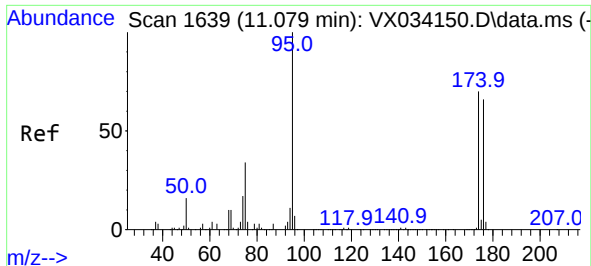
Tgt Ion: 76 Resp: 10415
Ion Ratio Lower Upper
76 100
78 0.6 25.6 38.4#



#59
2-Hexanone
Concen: 42.768 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.055 min
Lab File: VX034366.D
Acq: 07 Mar 2023 12:37

Tgt Ion: 43 Resp: 148147
Ion Ratio Lower Upper
43 100
58 18.3 27.4 82.0#

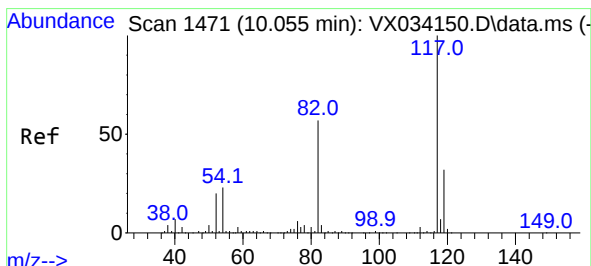
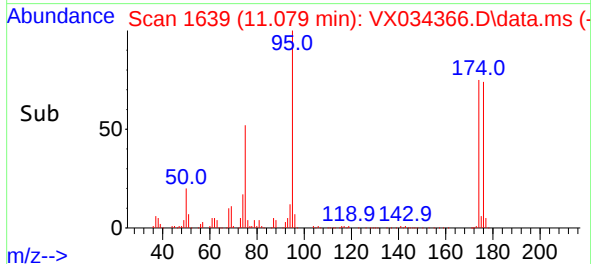
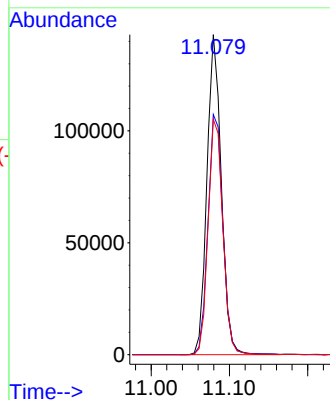
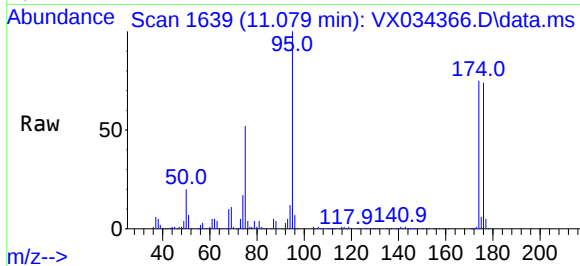




#62
4-Bromofluorobenzene
Concen: 46.597 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034366.D
Acq: 07 Mar 2023 12:37

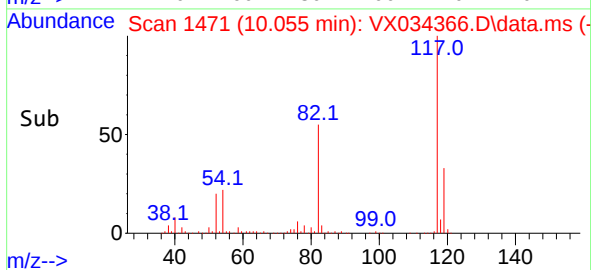
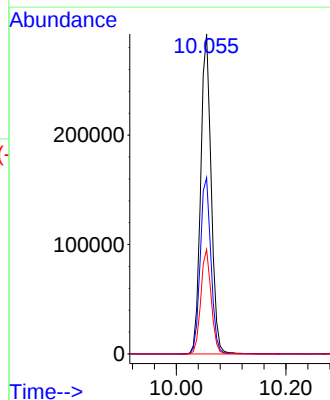
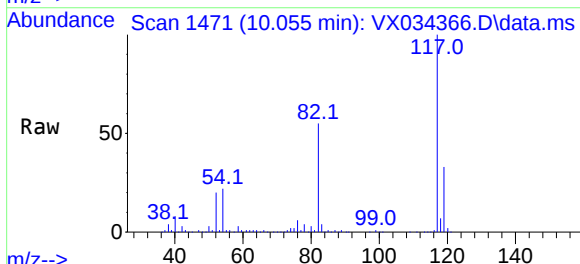
Instrument :
MSVOA_X
ClientSampleId :
HH-TP1-0306

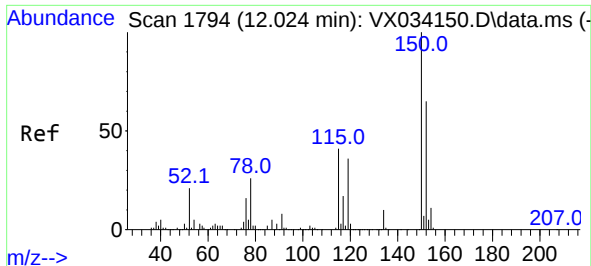
Tgt Ion: 95 Resp: 181261
Ion Ratio Lower Upper
95 100
174 78.3 0.0 184.4
176 75.3 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034366.D
Acq: 07 Mar 2023 12:37

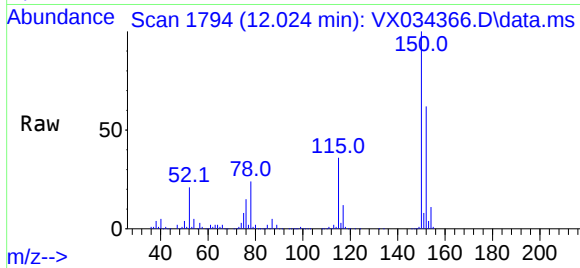
Tgt Ion: 117 Resp: 389655
Ion Ratio Lower Upper
117 100
82 55.1 40.6 60.8
119 32.6 25.6 38.4



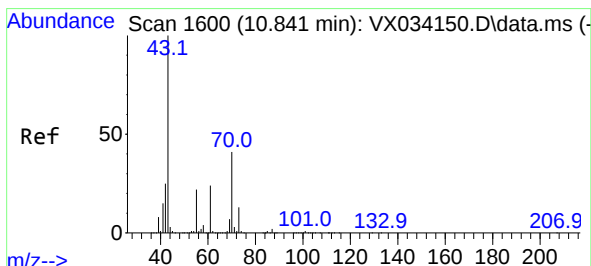
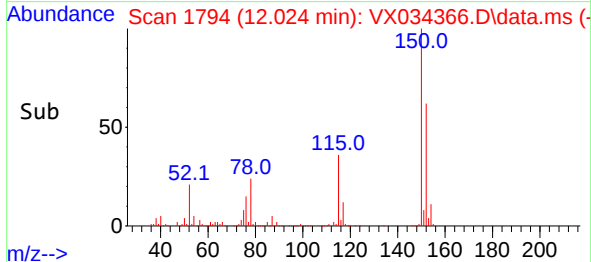
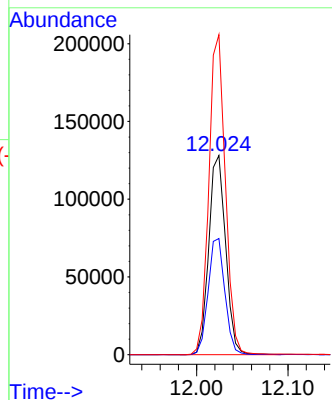


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX034366.D
Acq: 07 Mar 2023 12:37

Instrument :
MSVOA_X
ClientSampleId :
HH-TP1-0306

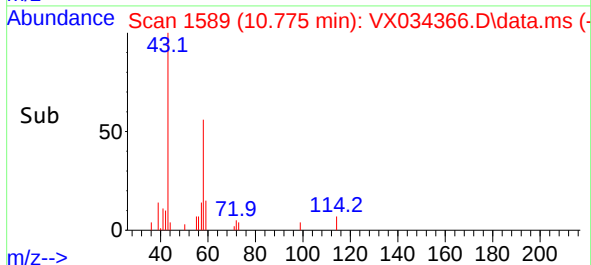
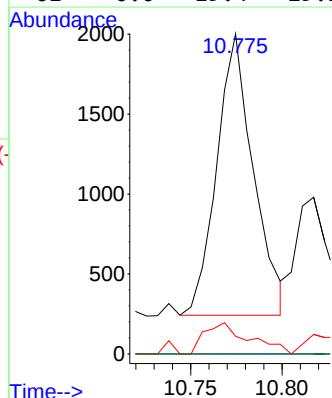
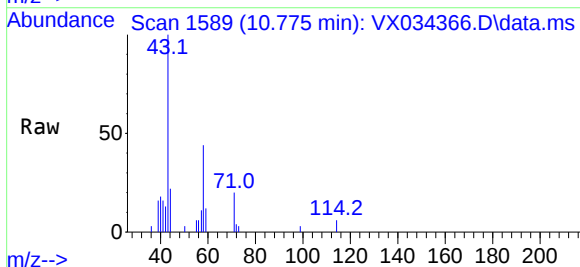


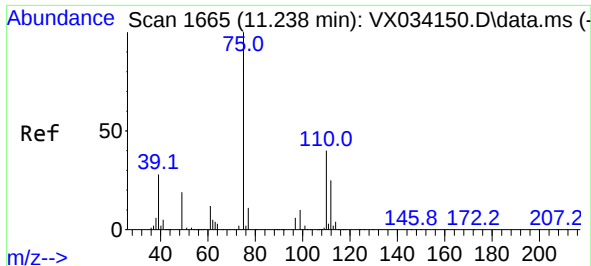
Tgt Ion:152 Resp: 163922
Ion Ratio Lower Upper
152 100
115 58.1 38.7 116.1
150 157.4 0.0 348.2



#74
N-ethyl acetate
Concen: 0.391 ug/l
RT: 10.775 min Scan# 1589
Delta R.T. -0.067 min
Lab File: VX034366.D
Acq: 07 Mar 2023 12:37

Tgt Ion: 43 Resp: 2454
Ion Ratio Lower Upper
43 100
70 0.0 34.8 52.2#
55 13.5 19.4 29.0#
61 0.0 19.4 29.2#

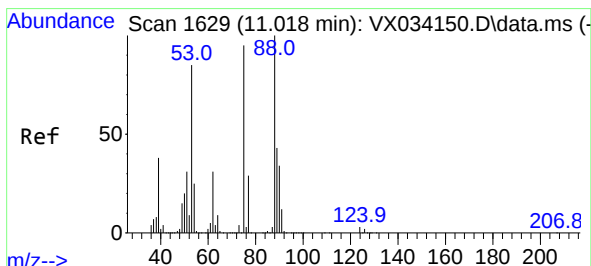
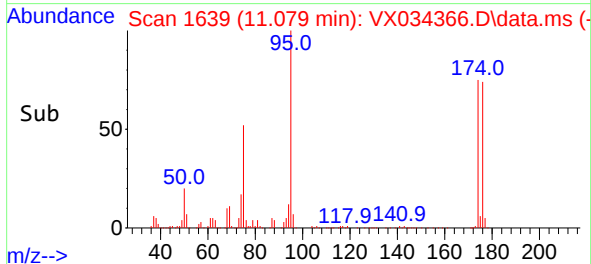
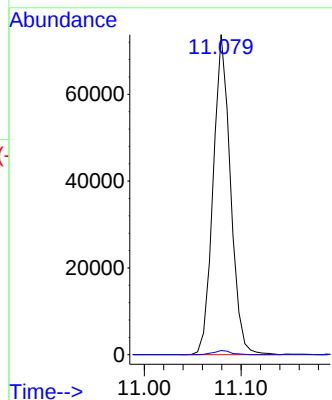
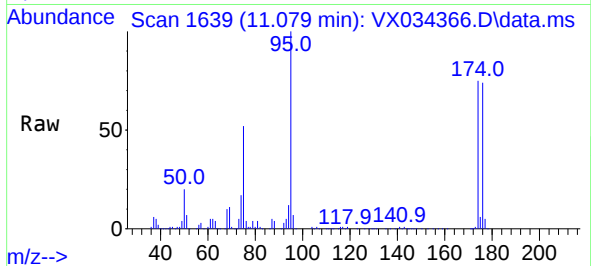




#76
1,2,3-Trichloropropane
Concen: 22.256 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX034366.D
Acq: 07 Mar 2023 12:37

Instrument :
MSVOA_X
ClientSampleId :
HH-TP1-0306

Tgt Ion: 75 Resp: 91800
Ion Ratio Lower Upper
75 100
77 1.3 21.8 65.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.174 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034366.D
Acq: 07 Mar 2023 12:37

Tgt Ion: 75 Resp: 91800
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#

