

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090322\
 Data File : VX031113.D
 Acq On : 04 Sep 2022 03:58
 Operator : JC/MD
 Sample : N4438-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KTS2-WC-S-MH-01-0-20

Quant Time: Sep 06 01:30:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090122W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 02:49:21 2022
 Response via : Initial Calibration

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

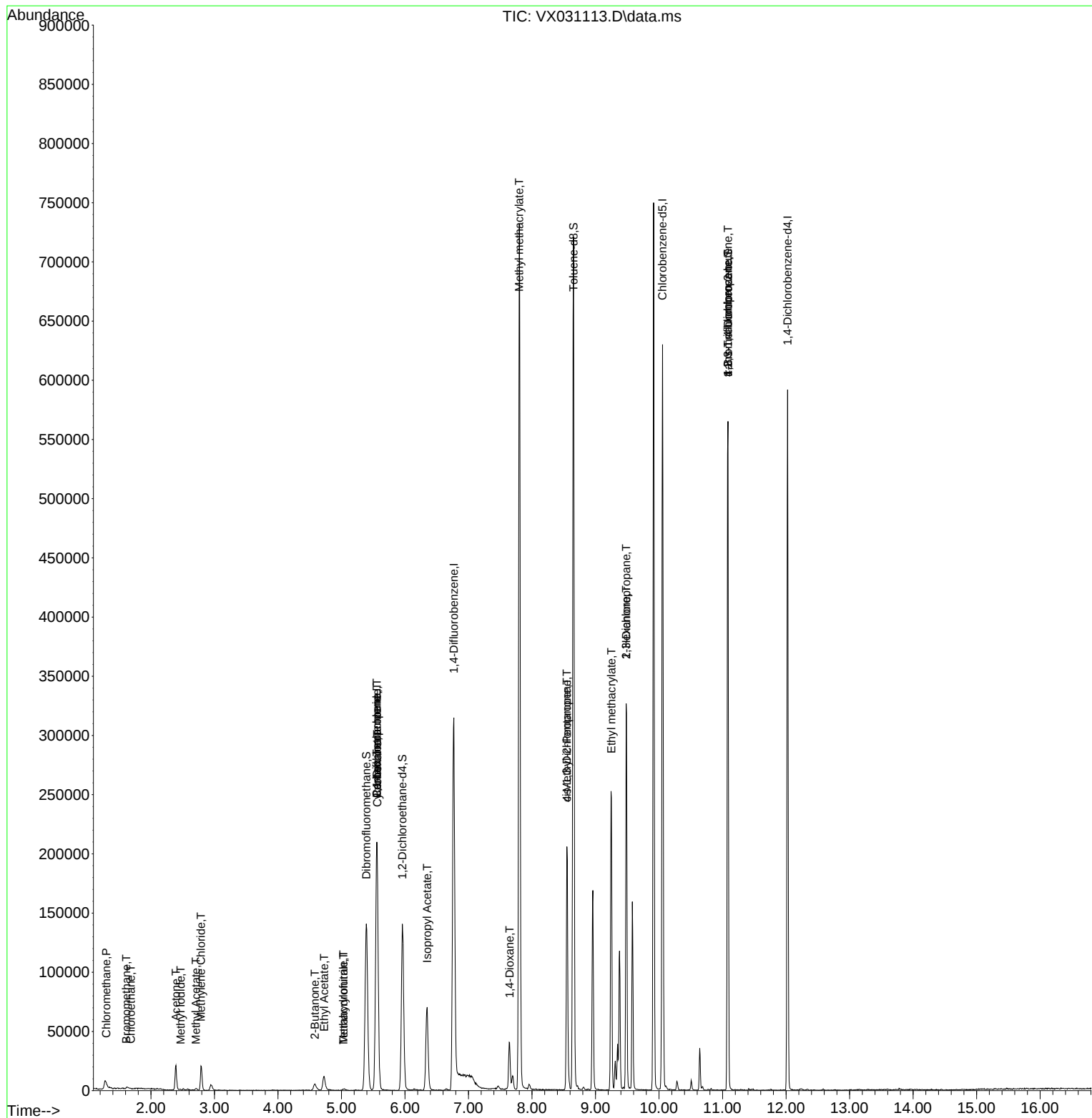
Internal Standards						
1) Pentafluorobenzene	5.556	168	211218	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	336282	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	305922	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	133717	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	139177	51.211	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.420%			
35) Dibromofluoromethane	5.391	113	126970	51.739	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.480%			
50) Toluene-d8	8.653	98	455709	50.456	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.920%			
62) 4-Bromofluorobenzene	11.085	95	155534	48.756	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.520%			
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	536	0.955	ug/l #	79
5) Bromomethane	1.611	94	333	0.328	ug/l #	62
6) Chloroethane	1.684	64	295	1.911	ug/l	98
10) Methyl Iodide	2.465	142	580	3.131	ug/l #	84
11) Tert butyl alcohol	2.940	59	3667	Below Cal	#	77
16) Acetone	2.391	43	22896	21.823	ug/l	93
18) Methyl Acetate	2.708	43	2132	0.707	ug/l	98
20) Methylene Chloride	2.788	84	10182	1.880	ug/l #	87
25) 2-Butanone	4.580	43	6767	4.178	ug/l	96
29) Tetrahydrofuran	5.031	42	612	0.586	ug/l #	57
31) Cyclohexane	5.562	56	3176	0.855	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	13618	3.962	ug/l #	50
37) Ethyl Acetate	4.726	43	19718	6.602	ug/l #	94
38) Carbon Tetrachloride	5.556	117	20805	5.831	ug/l #	17
41) Methacrylonitrile	5.031	41	356	0.224	ug/l #	37
43) Isopropyl Acetate	6.348	43	91153	19.528	ug/l #	94
48) Methyl methacrylate	7.799	41	59790	25.372	ug/l #	41
49) 1,4-Dioxane	7.647	88	20	0.279	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	65774	21.920	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	37577	9.595	ug/l #	57
56) Ethyl methacrylate	9.250	69	842	0.226	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3160	0.735	ug/l #	42
59) 2-Hexanone	9.482	43	33345	14.695	ug/l #	54
76) 1,2,3-Trichloropropane	11.085	75	71454	22.605	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	71454	71.042	ug/l #	12

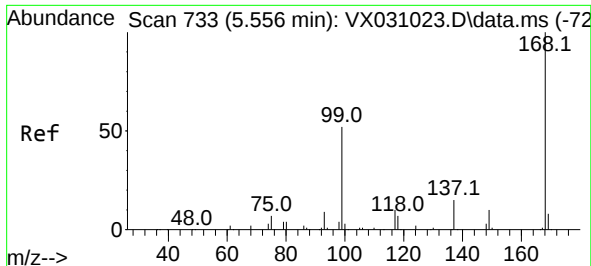
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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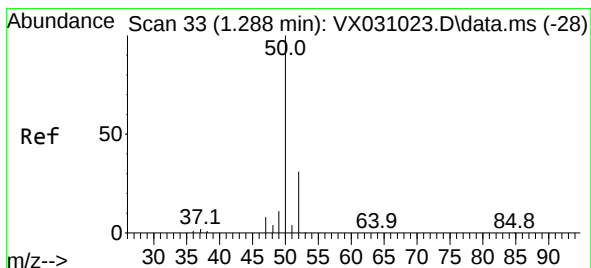
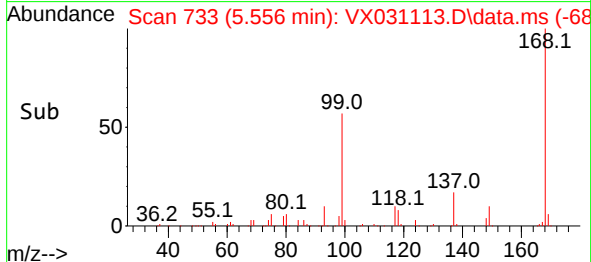
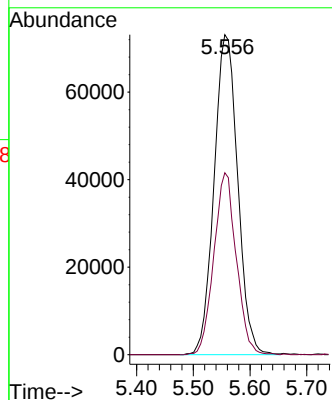
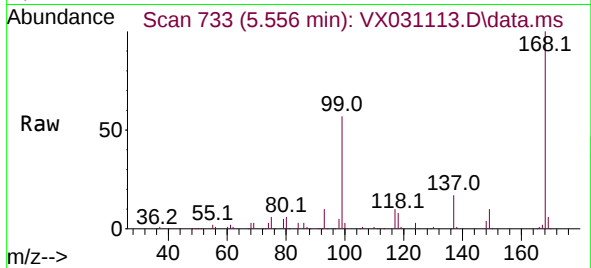




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031113.D
Acq: 04 Sep 2022 03:58

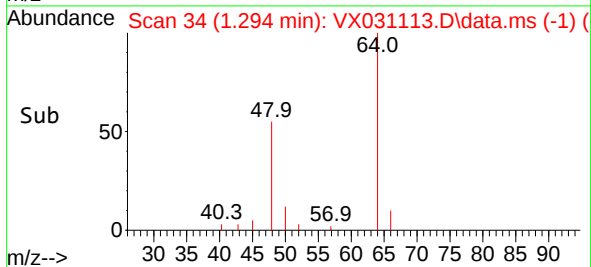
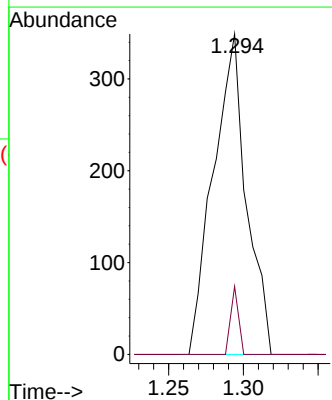
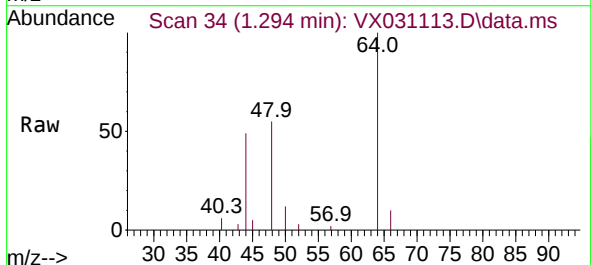
Instrument :
MSVOA_X
ClientSampleId :
KTS2-WC-S-MH-01-0-20

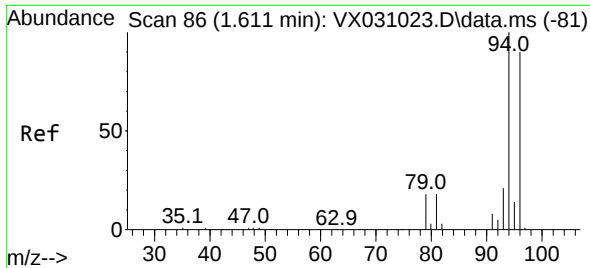
Tgt Ion:168 Resp: 211218
Ion Ratio Lower Upper
168 100
99 56.8 44.0 66.0



#3
Chloromethane
Concen: 0.955 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX031113.D
Acq: 04 Sep 2022 03:58

Tgt Ion: 50 Resp: 536
Ion Ratio Lower Upper
50 100
52 21.2 26.3 39.5#

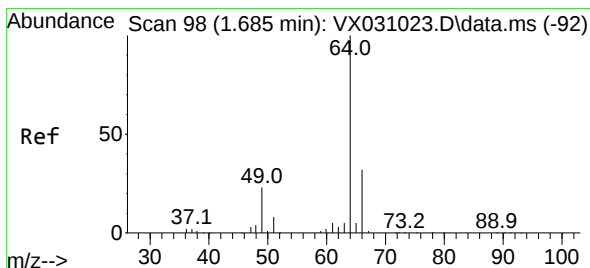
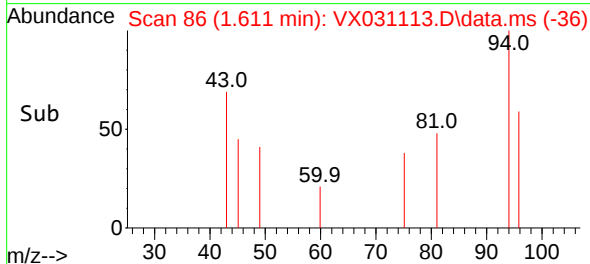
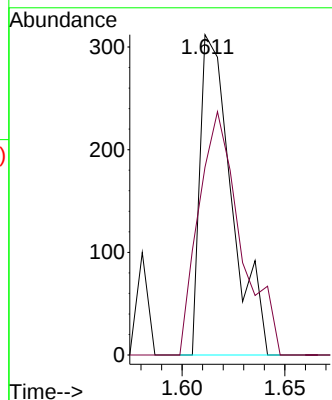
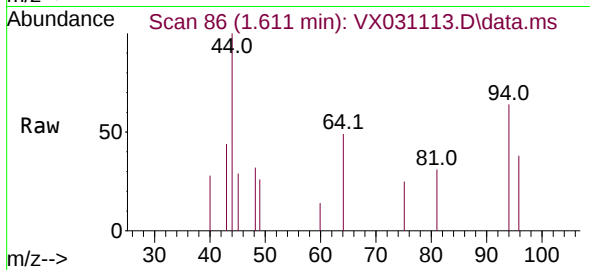




#5
Bromomethane
Concen: 0.328 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.006 min
Lab File: VX031113.D
Acq: 04 Sep 2022 03:58

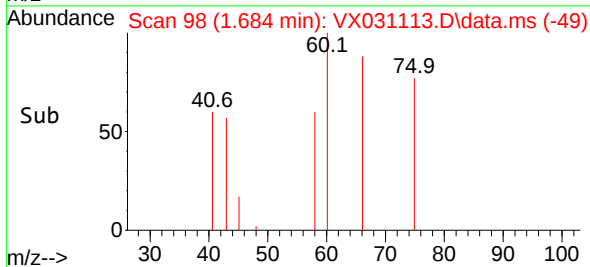
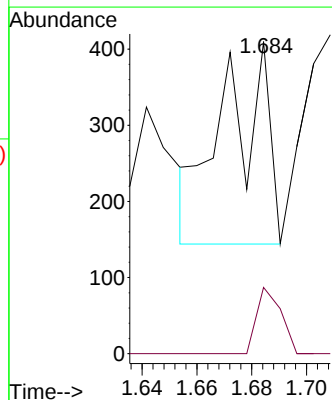
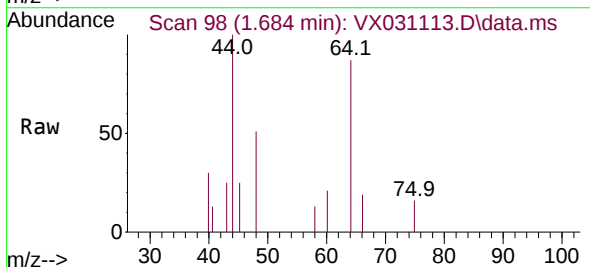
Instrument :
MSVOA_X
ClientSampleId :
KTS2-WC-S-MH-01-0-20

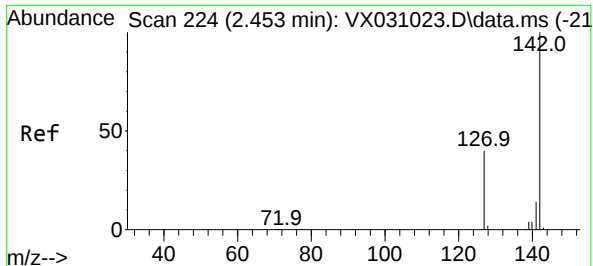
Tgt Ion: 94 Resp: 333
Ion Ratio Lower Upper
94 100
96 58.7 76.9 115.3#



#6
Chloroethane
Concen: 1.911 ug/l
RT: 1.684 min Scan# 98
Delta R.T. -0.001 min
Lab File: VX031113.D
Acq: 04 Sep 2022 03:58

Tgt Ion: 64 Resp: 295
Ion Ratio Lower Upper
64 100
66 32.7 27.2 40.8

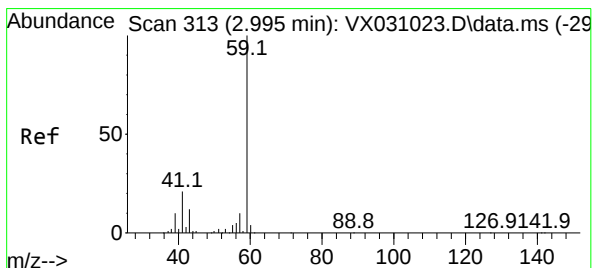
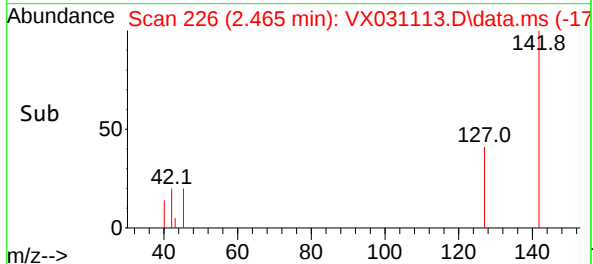
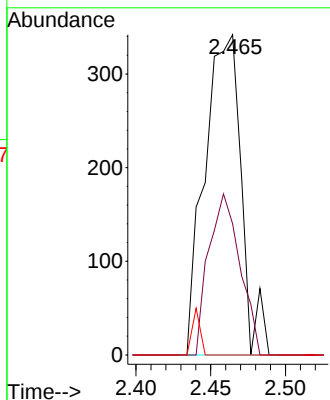
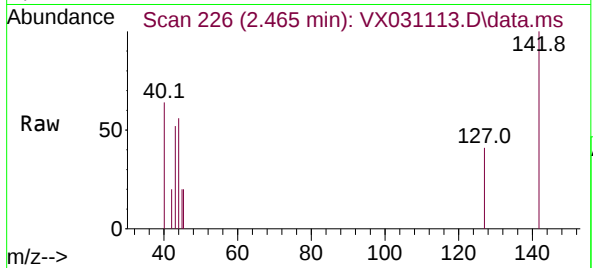




#10
Methyl Iodide
Concen: 3.131 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX031113.D
Acq: 04 Sep 2022 03:58

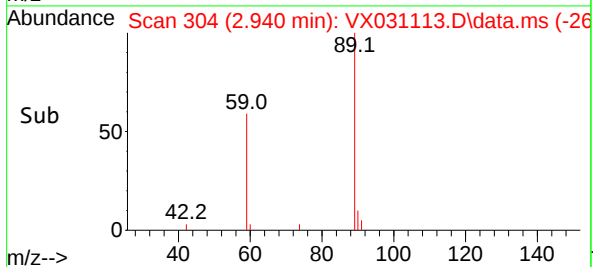
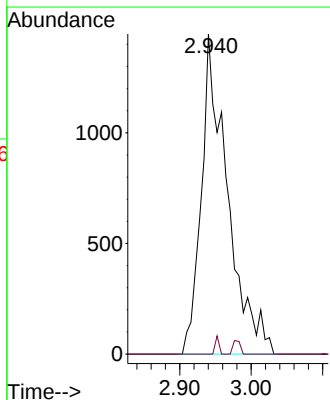
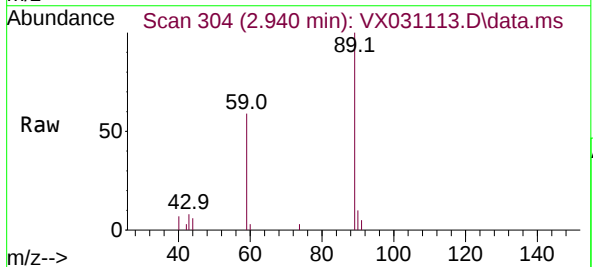
Instrument :
MSVOA_X
ClientSampleId :
KTS2-WC-S-MH-01-0-20

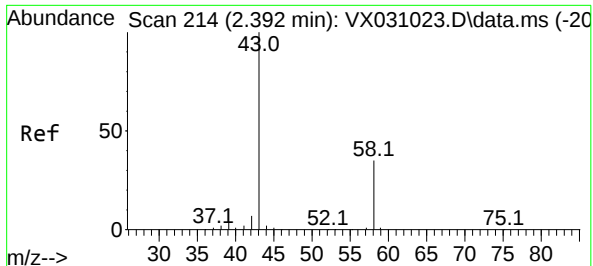
Tgt Ion:142 Resp: 580
Ion Ratio Lower Upper
142 100
127 43.1 30.2 45.2
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 304
Delta R.T. -0.049 min
Lab File: VX031113.D
Acq: 04 Sep 2022 03:58

Tgt Ion: 59 Resp: 3667
Ion Ratio Lower Upper
59 100
57 0.8 7.4 11.2#

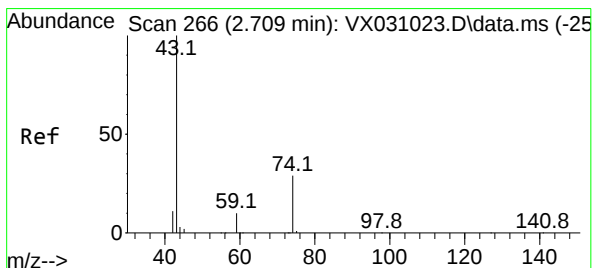
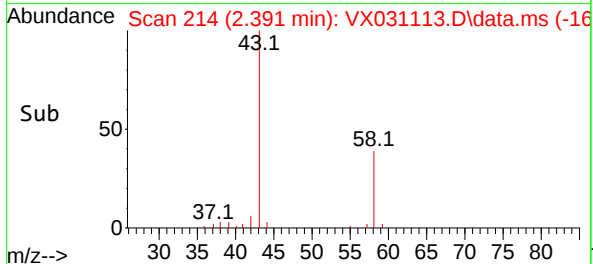
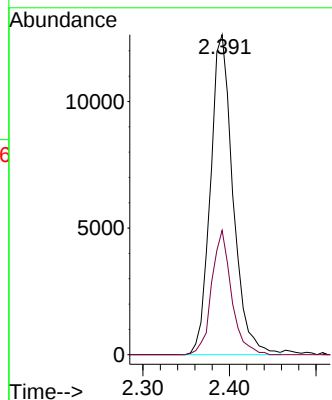
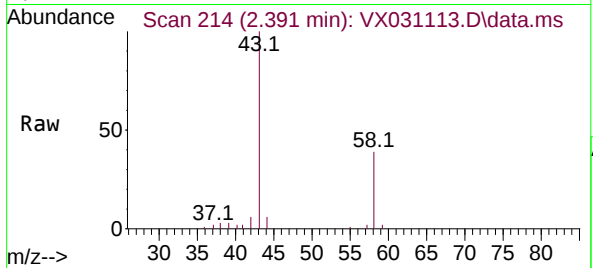




#16
Acetone
Concen: 21.823 ug/l
RT: 2.391 min Scan# 214
Delta R.T. 0.005 min
Lab File: VX031113.D
Acq: 04 Sep 2022 03:58

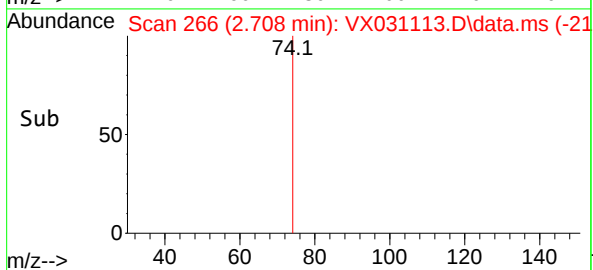
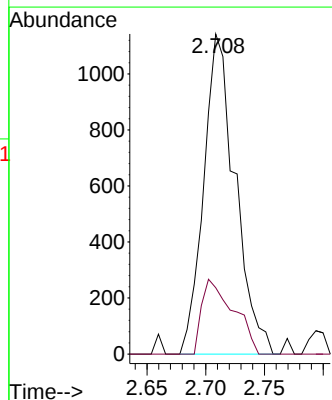
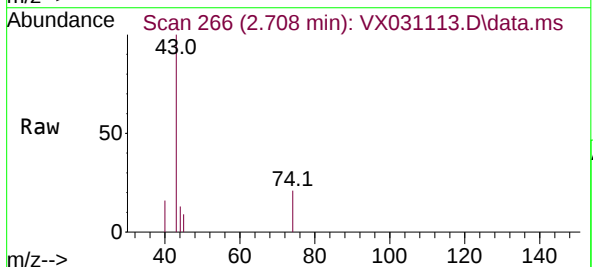
Instrument :
MSVOA_X
ClientSampleId :
KTS2-WC-S-MH-01-0-20

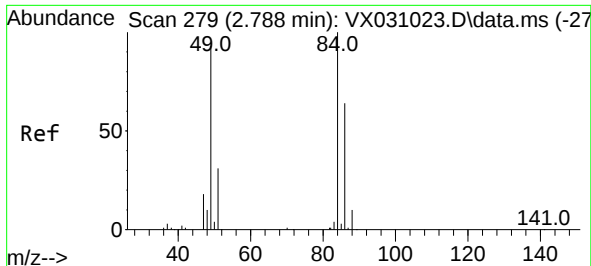
Tgt Ion: 43 Resp: 22896
Ion Ratio Lower Upper
43 100
58 38.9 27.7 41.5



#18
Methyl Acetate
Concen: 0.707 ug/l
RT: 2.708 min Scan# 266
Delta R.T. -0.001 min
Lab File: VX031113.D
Acq: 04 Sep 2022 03:58

Tgt Ion: 43 Resp: 2132
Ion Ratio Lower Upper
43 100
74 23.5 19.4 29.2

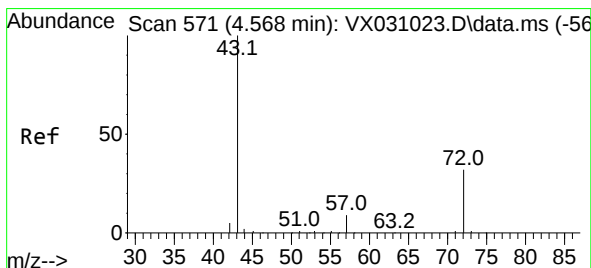
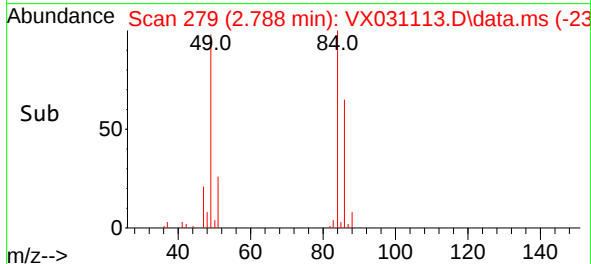
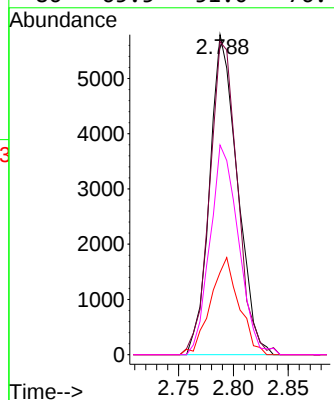
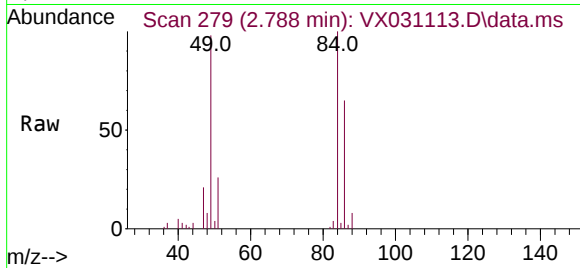




#20
Methylene Chloride
Concen: 1.880 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX031113.D
Acq: 04 Sep 2022 03:58

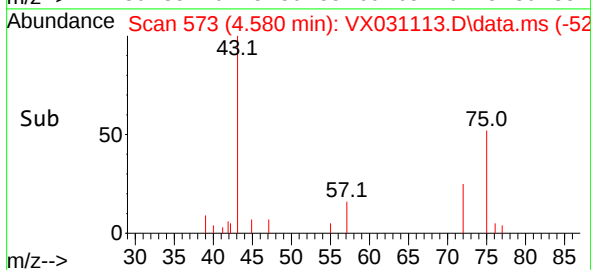
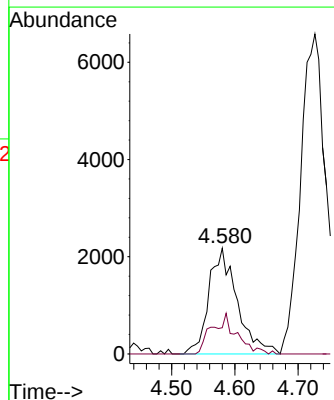
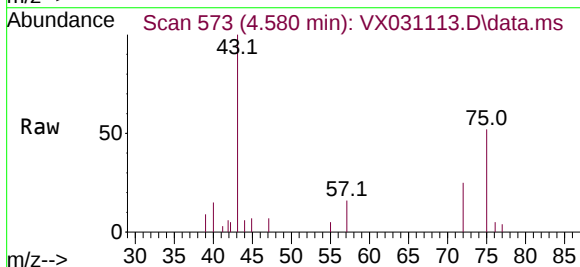
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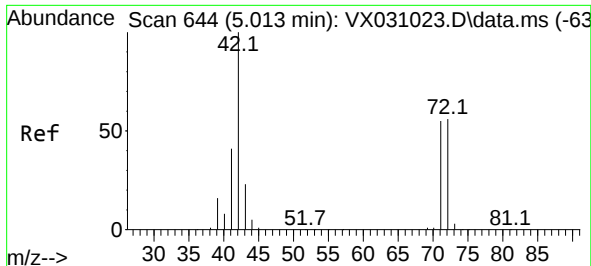
Tgt Ion:	84	Resp:	10182
Ion	Ratio	Lower	Upper
84	100		
49	97.8	93.8	140.6
51	25.7	29.4	44.0#
86	65.5	51.0	76.4



#25
2-Butanone
Concen: 4.178 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX031113.D
Acq: 04 Sep 2022 03:58

Tgt Ion:	43	Resp:	6767
Ion	Ratio	Lower	Upper
43	100		
72	24.9	21.7	32.5





#29

Tetrahydrofuran

Concen: 0.586 ug/l

RT: 5.031 min Scan# 644

Delta R.T. 0.018 min

Lab File: VX031113.D

Acq: 04 Sep 2022 03:58

Instrument :

MSVOA_X

ClientSampleId :

KTS2-WC-S-MH-01-0-20

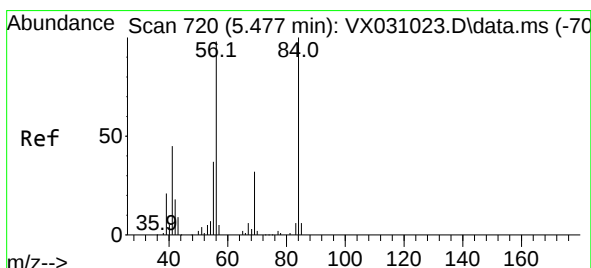
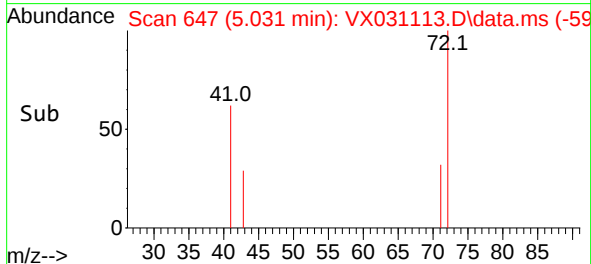
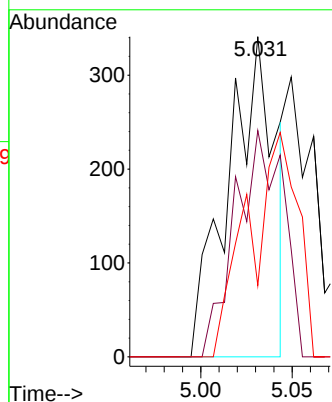
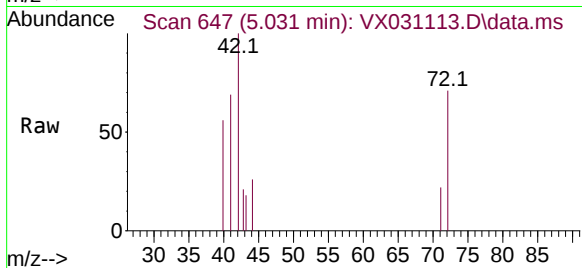
Tgt Ion: 42 Resp: 612

Ion Ratio Lower Upper

42 100

72 71.7 36.5 54.7#

71 72.1 33.9 50.9#



#31

Cyclohexane

Concen: 0.855 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.085 min

Lab File: VX031113.D

Acq: 04 Sep 2022 03:58

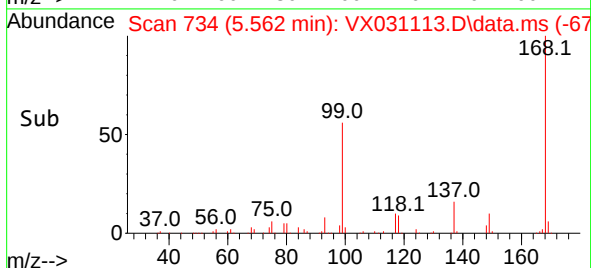
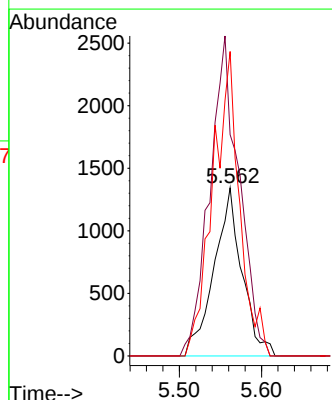
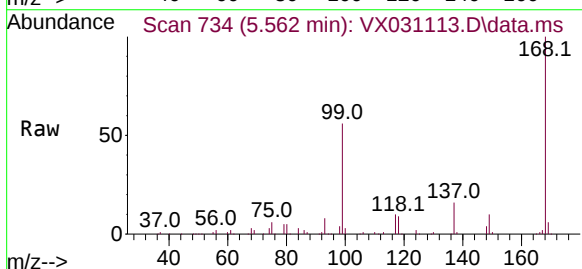
Tgt Ion: 56 Resp: 3176

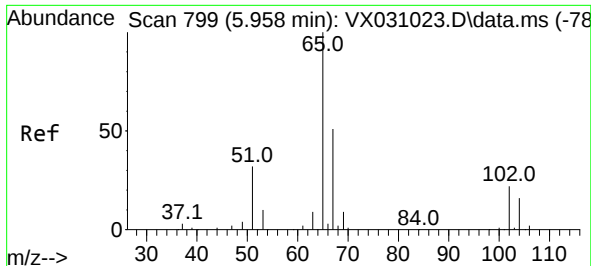
Ion Ratio Lower Upper

56 100

69 131.6 25.4 38.0#

84 181.2 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 51.211 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX031113.D

Acq: 04 Sep 2022 03:58

Instrument :

MSVOA_X

ClientSampleId :

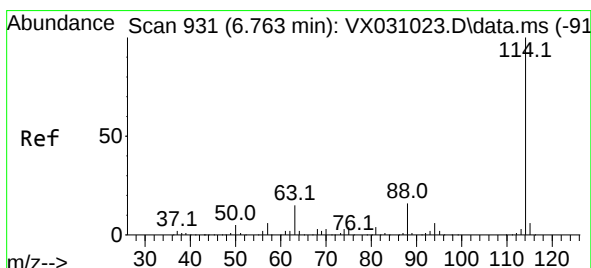
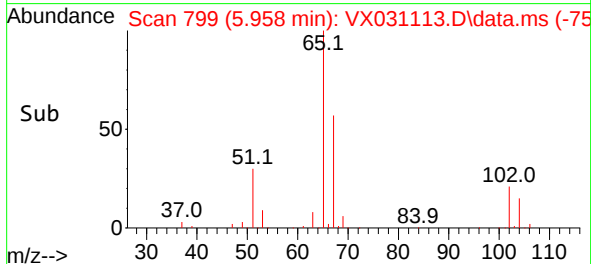
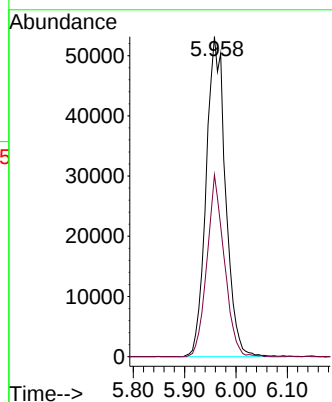
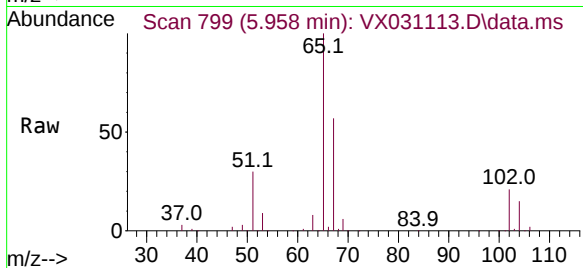
KTS2-WC-S-MH-01-0-20

Tgt Ion: 65 Resp: 139177

Ion Ratio Lower Upper

65 100

67 51.0 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX031113.D

Acq: 04 Sep 2022 03:58

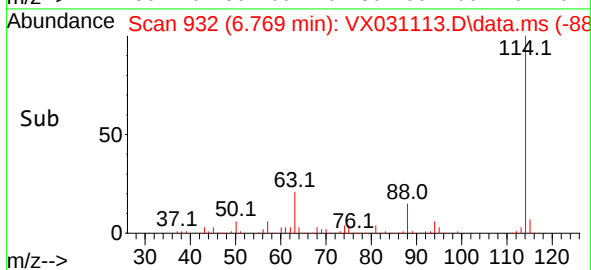
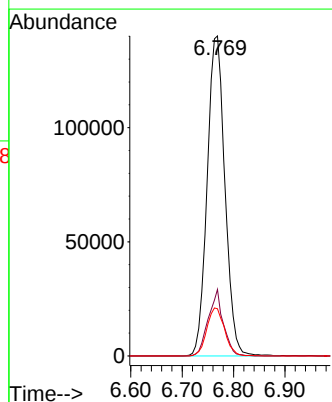
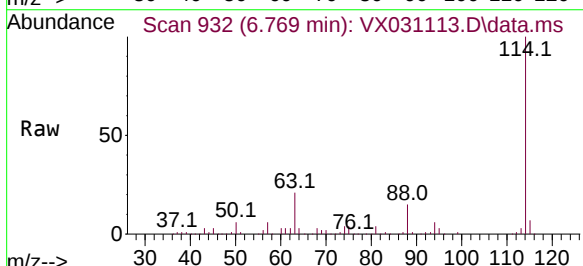
Tgt Ion: 114 Resp: 336282

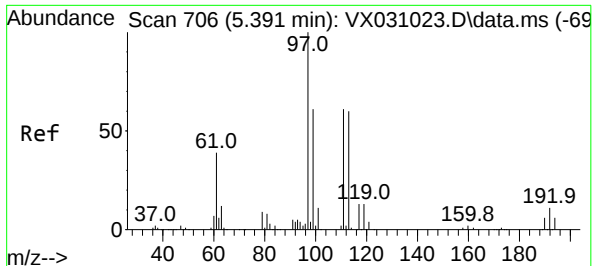
Ion Ratio Lower Upper

114 100

63 20.8 0.0 38.4

88 14.8 0.0 31.8





#35

Dibromofluoromethane

Concen: 51.739 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

Lab File: VX031113.D

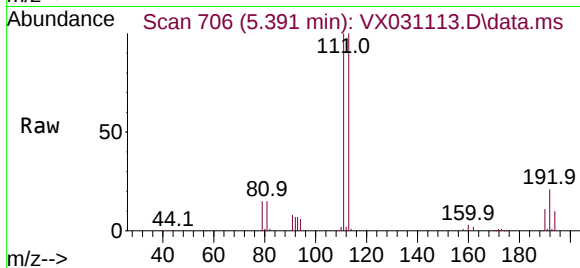
Acq: 04 Sep 2022 03:58

Instrument :

MSVOA_X

ClientSampleId :

KTS2-WC-S-MH-01-0-20



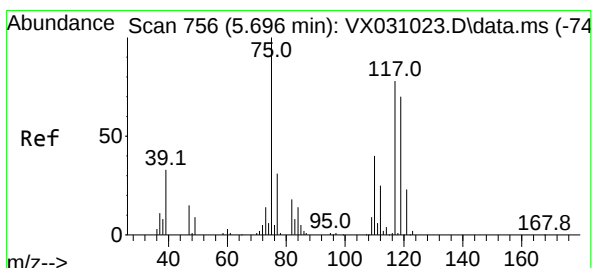
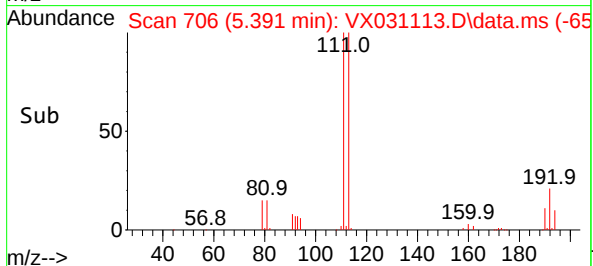
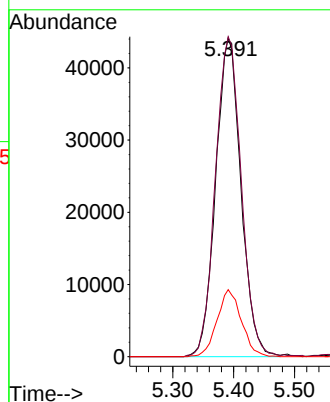
Tgt Ion:113 Resp: 126970

Ion Ratio Lower Upper

113 100

111 103.2 83.2 124.8

192 20.3 14.8 22.2



#36

1,1-Dichloropropene

Concen: 3.962 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX031113.D

Acq: 04 Sep 2022 03:58

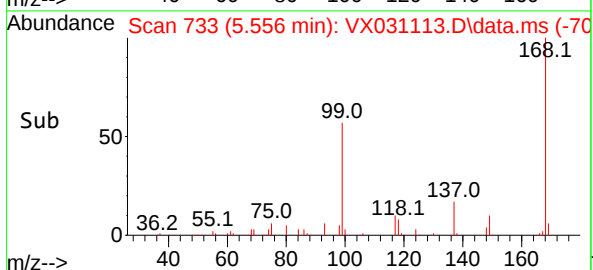
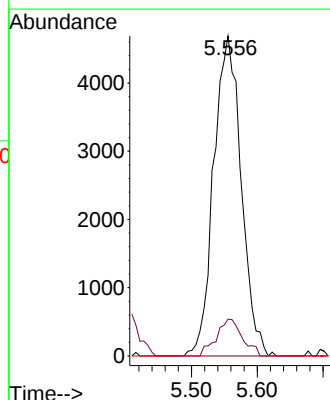
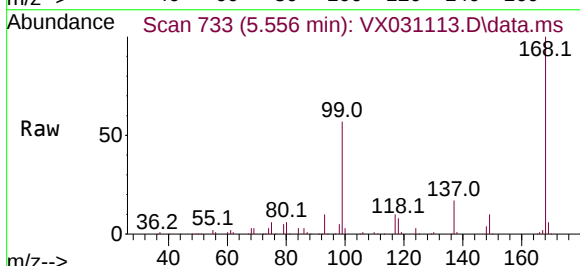
Tgt Ion: 75 Resp: 13618

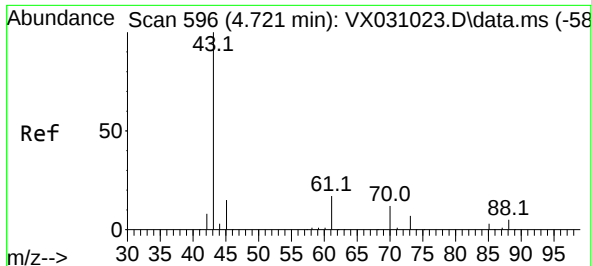
Ion Ratio Lower Upper

75 100

110 10.9 19.3 57.9#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 6.602 ug/l

RT: 4.726 min Scan# 596

Delta R.T. 0.005 min

Lab File: VX031113.D

Acq: 04 Sep 2022 03:58

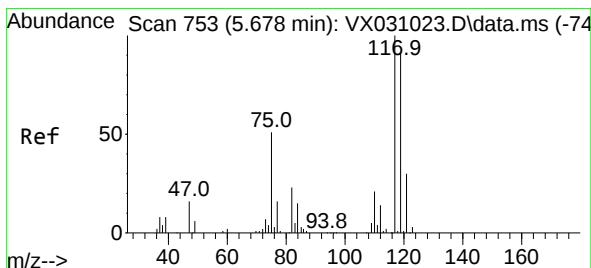
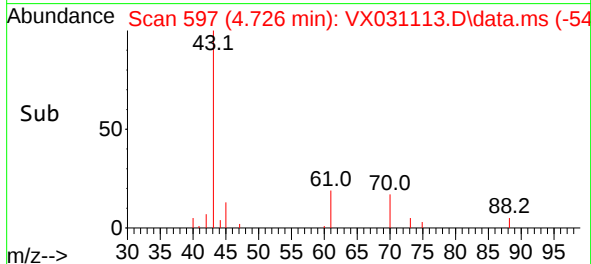
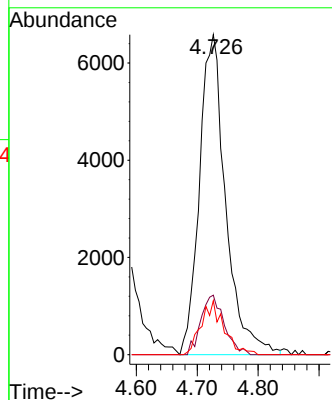
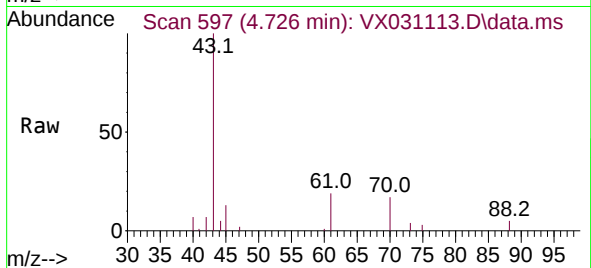
Instrument :

MSVOA_X

ClientSampleId :

KTS2-WC-S-MH-01-0-20

Tgt Ion:	43	Resp:	19718
Ion	Ratio	Lower	Upper
43	100		
61	16.5	11.7	17.5
70	14.6	9.3	13.9



#38

Carbon Tetrachloride

Concen: 5.831 ug/l

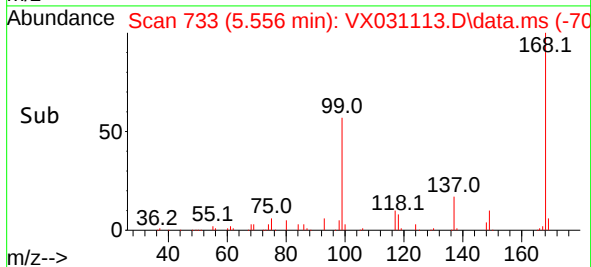
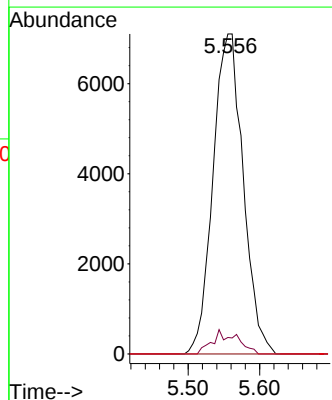
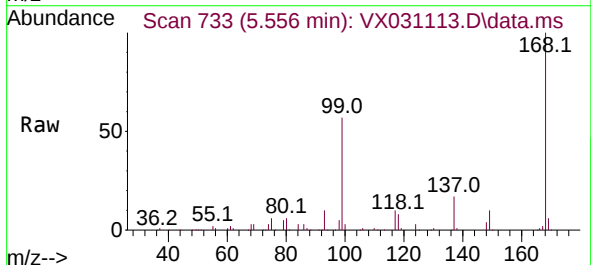
RT: 5.556 min Scan# 733

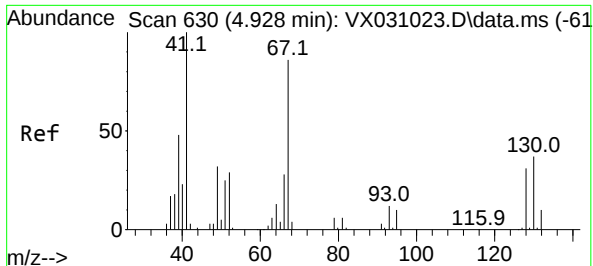
Delta R.T. -0.128 min

Lab File: VX031113.D

Acq: 04 Sep 2022 03:58

Tgt Ion:	117	Resp:	20805
Ion	Ratio	Lower	Upper
117	100		
119	5.2	74.1	111.1
121	0.0	25.8	38.8

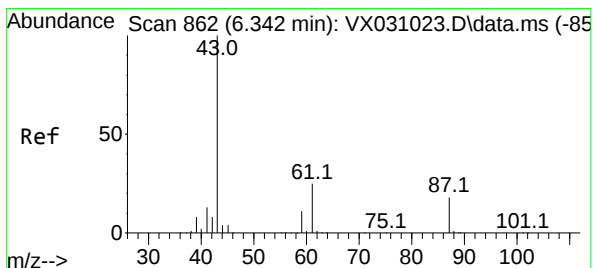
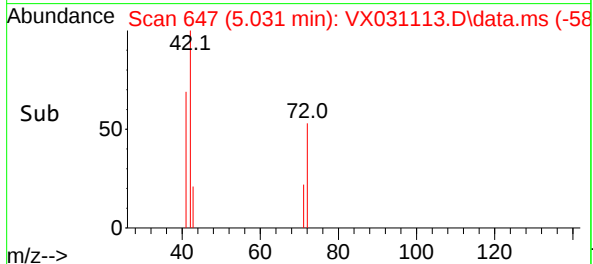
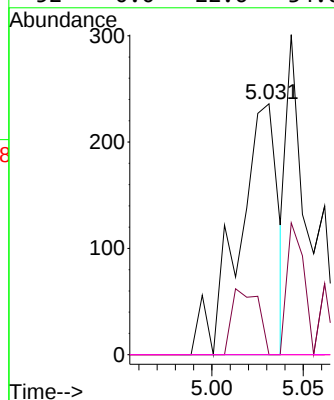
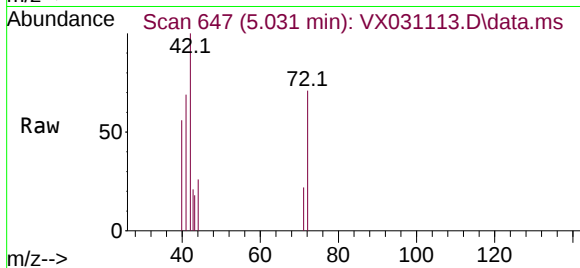




#41
Methacrylonitrile
Concen: 0.224 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.103 min
Lab File: VX031113.D
Acq: 04 Sep 2022 03:58

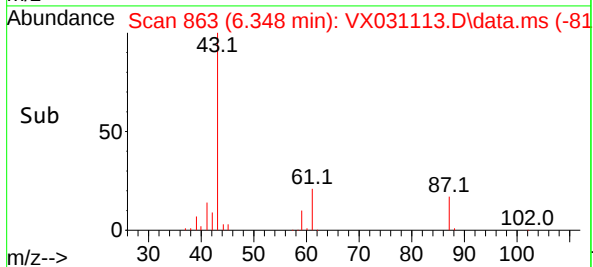
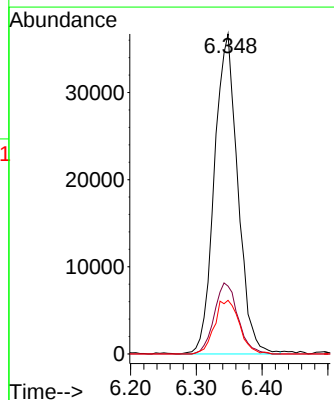
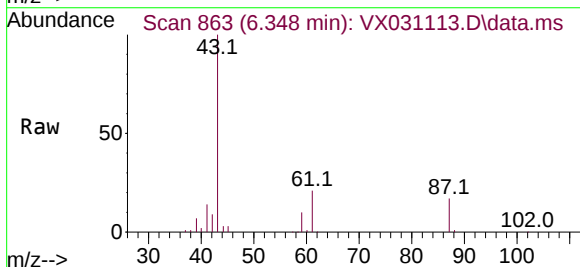
Instrument :
MSVOA_X
ClientSampleId :
KTS2-WC-S-MH-01-0-20

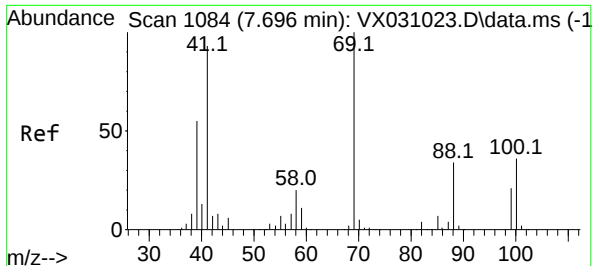
Tgt Ion:	41	Resp:	356
Ion	Ratio	Lower	Upper
41	100		
39	29.2	42.9	64.3#
67	0.0	60.1	90.1#
52	0.0	22.6	34.0#



#43
Isopropyl Acetate
Concen: 19.528 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX031113.D
Acq: 04 Sep 2022 03:58

Tgt Ion:	43	Resp:	91153
Ion	Ratio	Lower	Upper
43	100		
61	22.4	16.5	24.7
87	17.8	11.1	16.7#





#48

Methyl methacrylate

Concen: 25.372 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.103 min

Lab File: VX031113.D

Acq: 04 Sep 2022 03:58

Instrument :

MSVOA_X

ClientSampleId :

KTS2-WC-S-MH-01-0-20

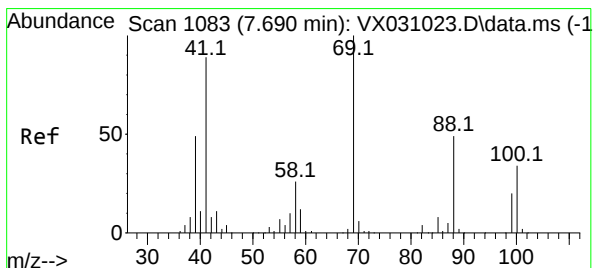
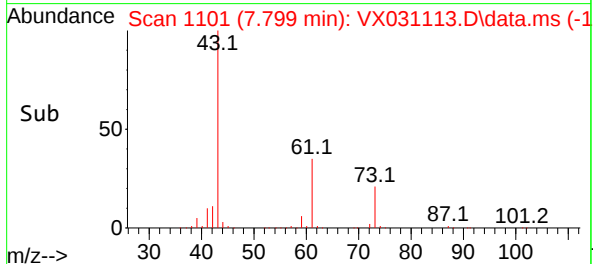
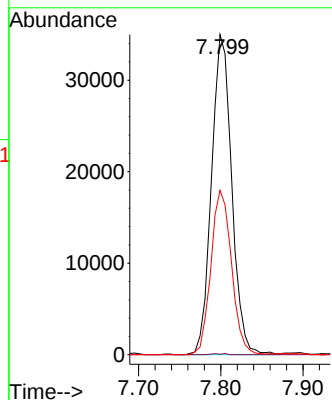
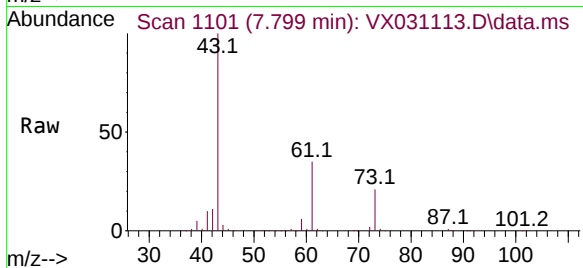
Tgt Ion: 41 Resp: 59790

Ion Ratio Lower Upper

41 100

69 0.2 68.8 103.2#

39 52.2 44.6 66.8



#49

1,4-Dioxane

Concen: 0.279 ug/l

RT: 7.647 min Scan# 1076

Delta R.T. -0.030 min

Lab File: VX031113.D

Acq: 04 Sep 2022 03:58

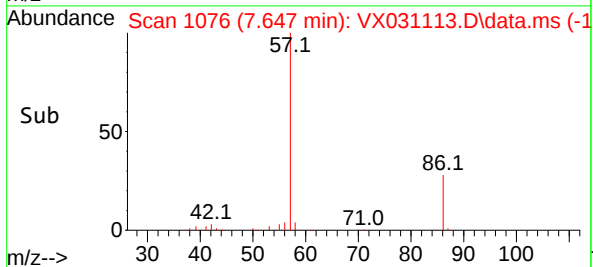
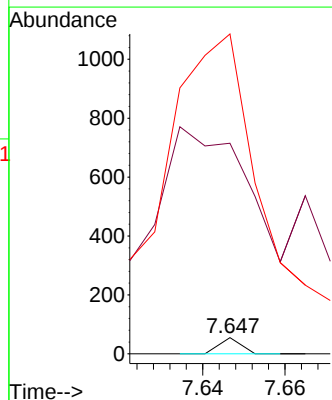
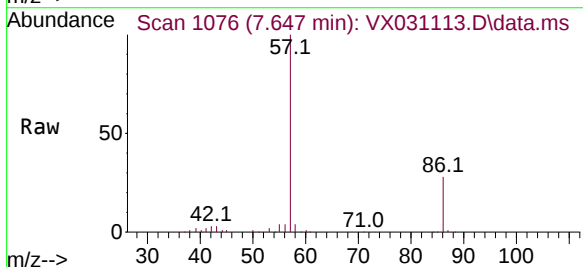
Tgt Ion: 88 Resp: 20

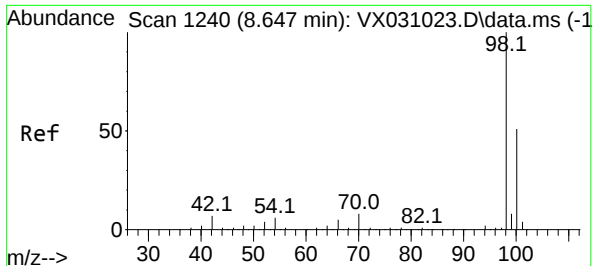
Ion Ratio Lower Upper

88 100

43 0.0 23.8 35.8#

58 9640.0 53.8 80.6#

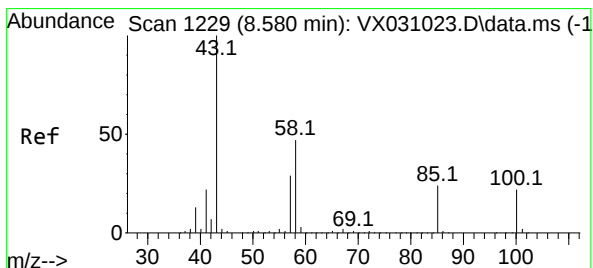
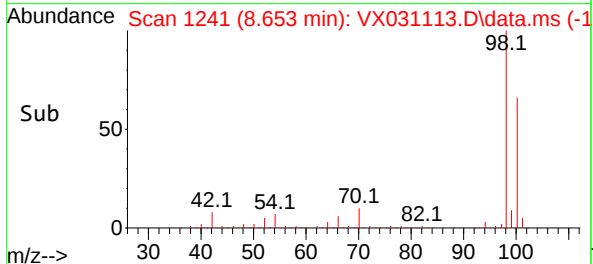
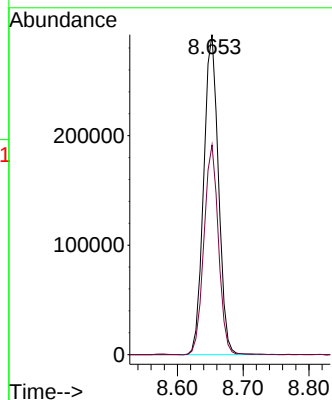
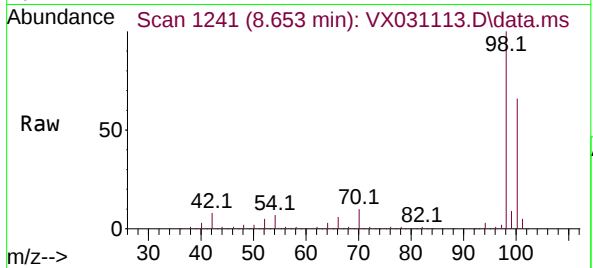




#50
Toluene-d8
Concen: 50.456 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031113.D
Acq: 04 Sep 2022 03:58

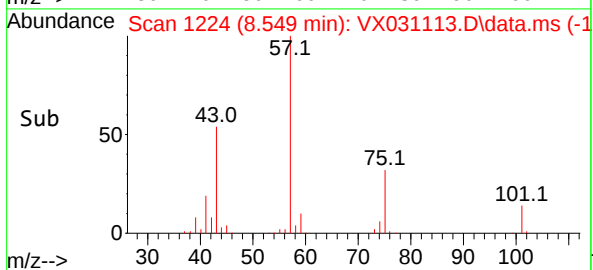
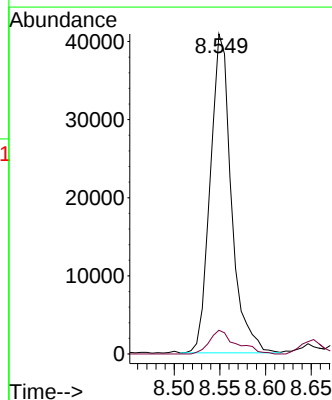
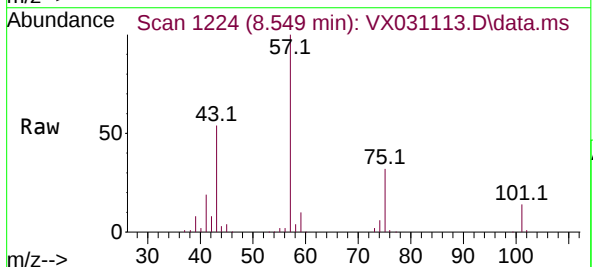
Instrument :
MSVOA_X
ClientSampleId :
KTS2-WC-S-MH-01-0-20

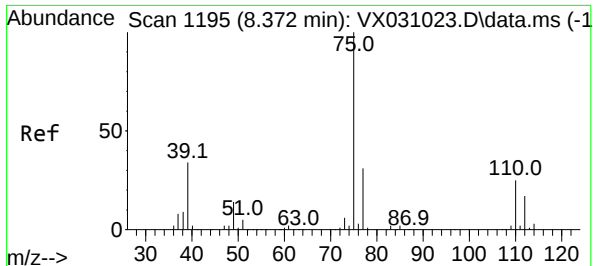
Tgt Ion: 98 Resp: 455709
Ion Ratio Lower Upper
98 100
100 64.5 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 21.920 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX031113.D
Acq: 04 Sep 2022 03:58

Tgt Ion: 43 Resp: 65774
Ion Ratio Lower Upper
43 100
58 9.4 31.4 47.2#





#54

cis-1,3-Dichloropropene

Concen: 9.595 ug/l

RT: 8.549 min Scan# 1195

Delta R.T. 0.177 min

Lab File: VX031113.D

Acq: 04 Sep 2022 03:58

Instrument :

MSVOA_X

ClientSampleId :

KTS2-WC-S-MH-01-0-20

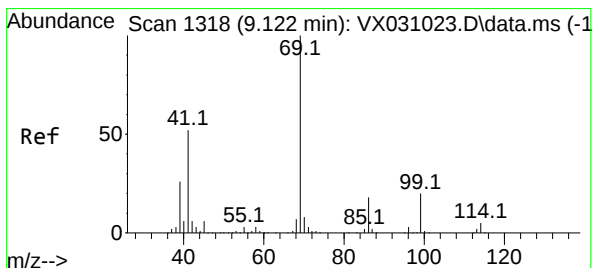
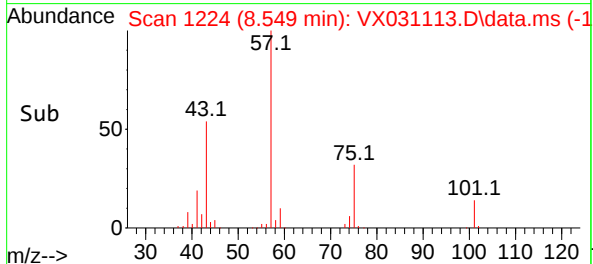
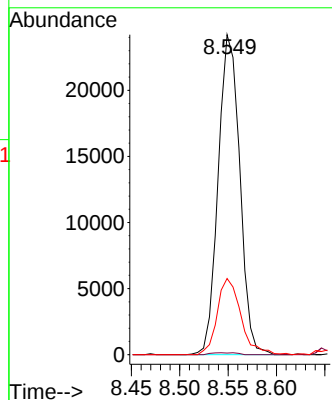
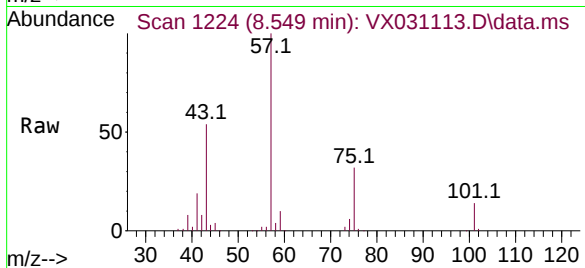
Tgt Ion: 75 Resp: 37577

Ion Ratio Lower Upper

75 100

77 0.5 25.0 37.4#

39 23.8 37.5 56.3#



#56

Ethyl methacrylate

Concen: 0.226 ug/l

RT: 9.250 min Scan# 1339

Delta R.T. 0.128 min

Lab File: VX031113.D

Acq: 04 Sep 2022 03:58

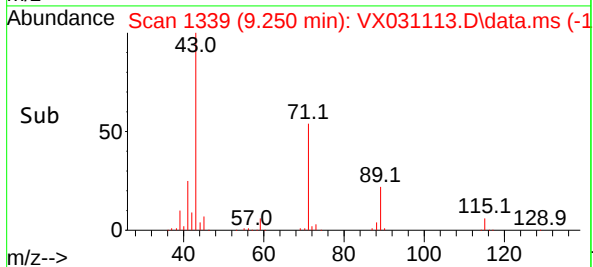
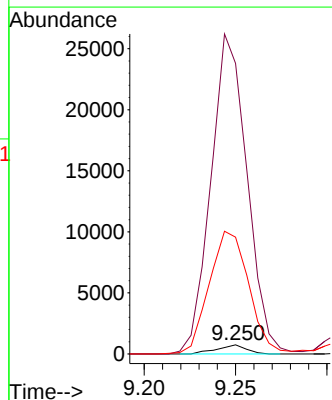
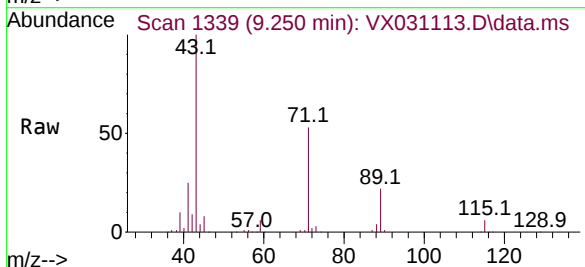
Tgt Ion: 69 Resp: 842

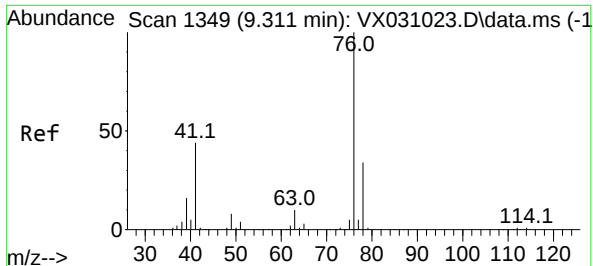
Ion Ratio Lower Upper

69 100

41 4303.9 52.3 78.5#

39 1805.1 28.2 42.4#





#57

1,3-Dichloropropane

Concen: 0.735 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX031113.D

Acq: 04 Sep 2022 03:58

Instrument :

MSVOA_X

ClientSampleId :

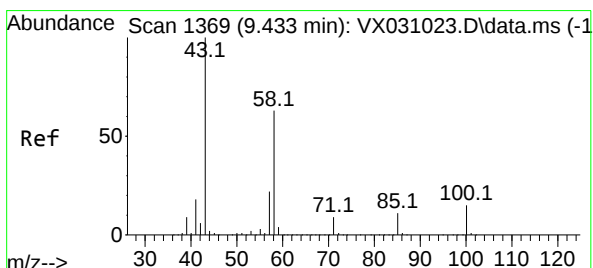
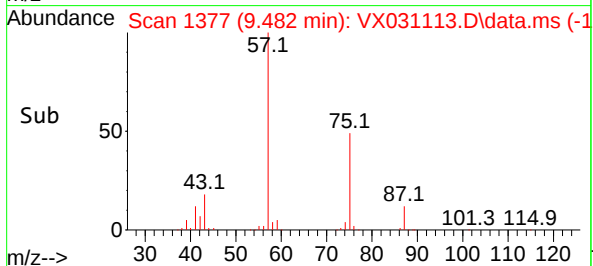
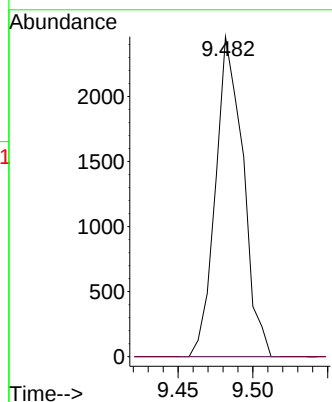
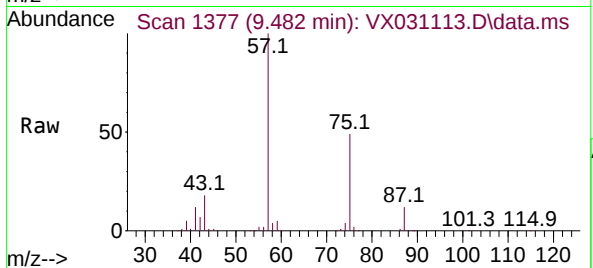
KTS2-WC-S-MH-01-0-20

Tgt Ion: 76 Resp: 3160

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 14.695 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX031113.D

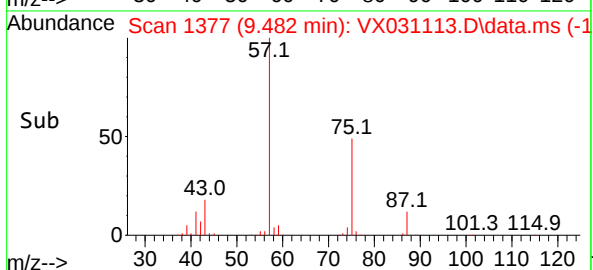
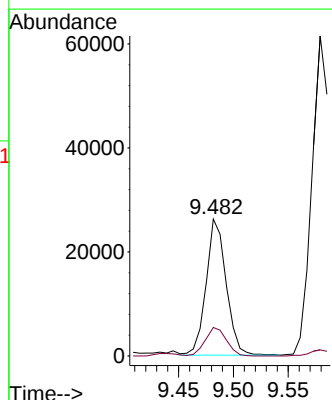
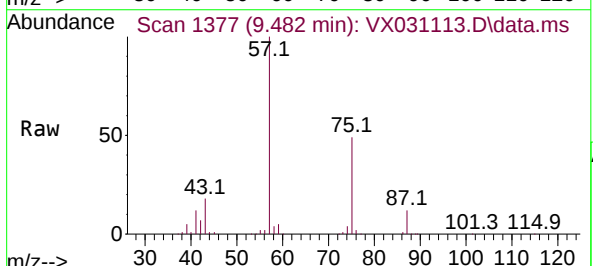
Acq: 04 Sep 2022 03:58

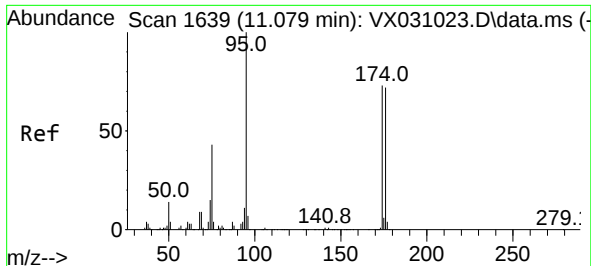
Tgt Ion: 43 Resp: 33345

Ion Ratio Lower Upper

43 100

58 22.0 27.6 82.8#

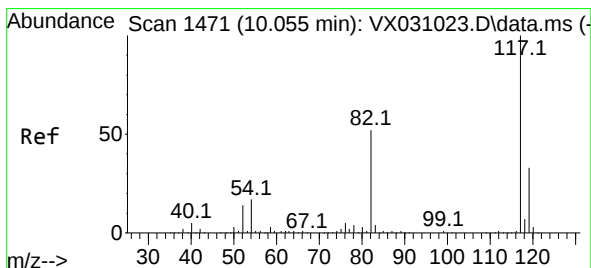
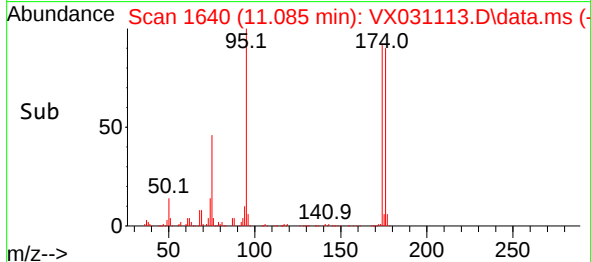
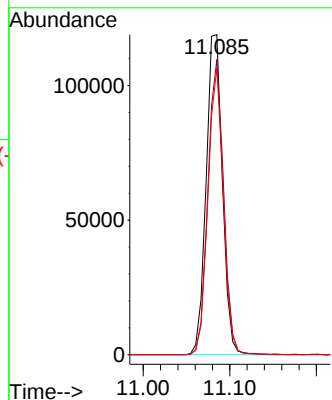
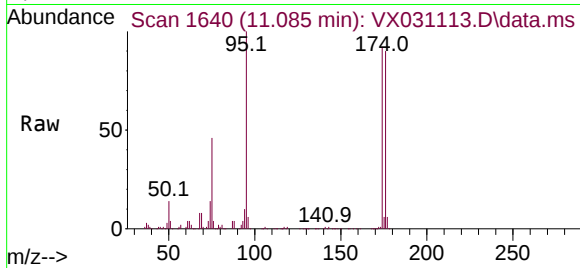




#62
4-Bromofluorobenzene
Concen: 48.756 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX031113.D
Acq: 04 Sep 2022 03:58

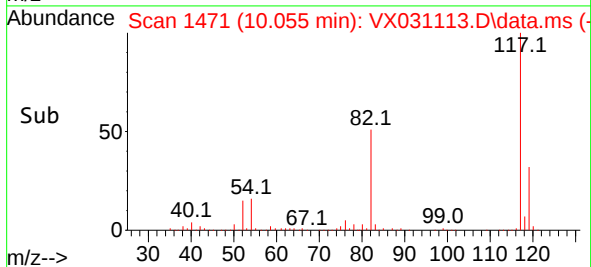
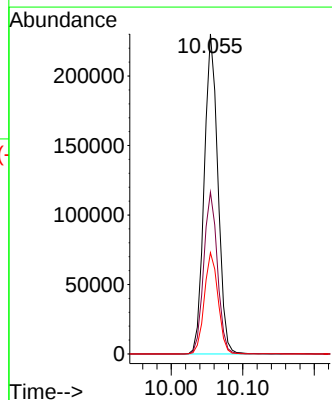
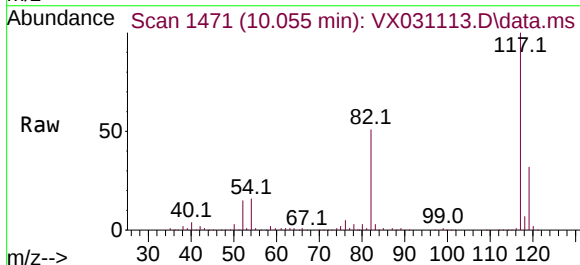
Instrument :
MSVOA_X
ClientSampleId :
KTS2-WC-S-MH-01-0-20

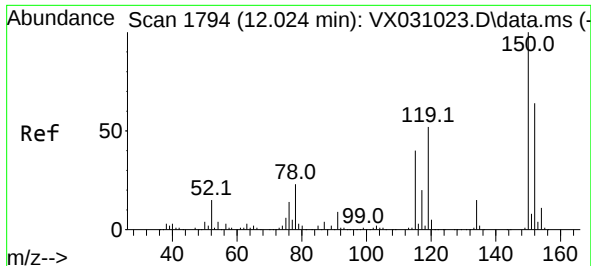
Tgt Ion: 95 Resp: 155534
Ion Ratio Lower Upper
95 100
174 89.1 0.0 149.0
176 84.7 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX031113.D
Acq: 04 Sep 2022 03:58

Tgt Ion: 117 Resp: 305922
Ion Ratio Lower Upper
117 100
82 50.5 42.7 64.1
119 31.7 25.4 38.2

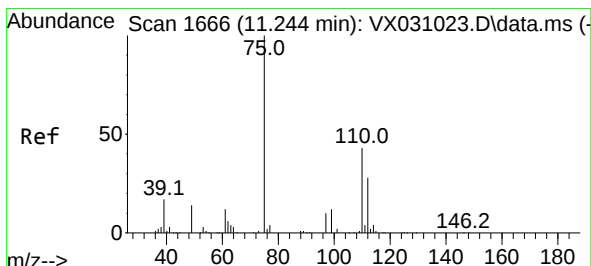
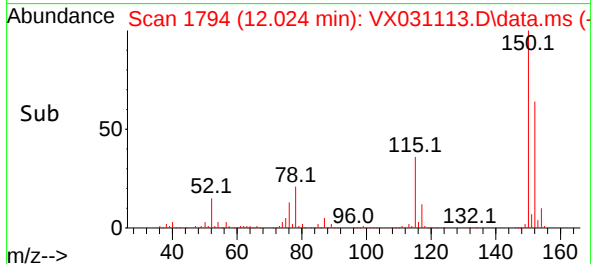
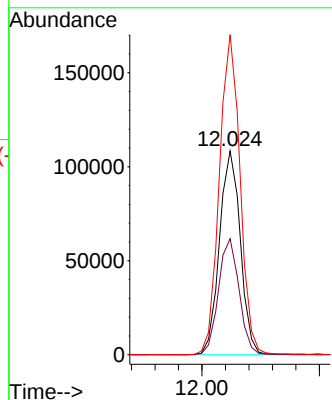
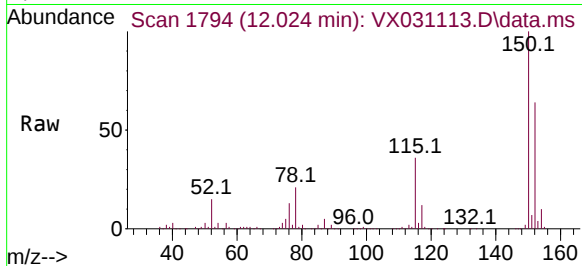




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX031113.D
 Acq: 04 Sep 2022 03:58

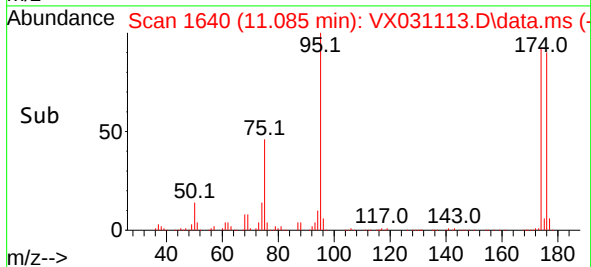
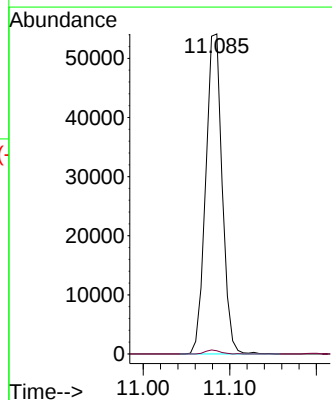
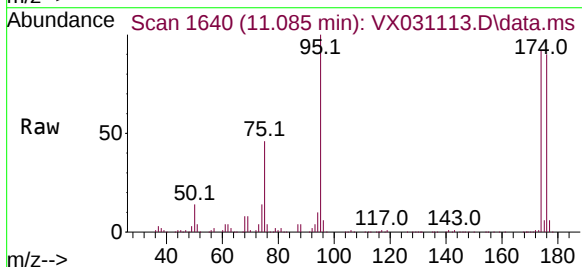
Instrument :
 MSVOA_X
 ClientSampleId :
 KTS2-WC-S-MH-01-0-20

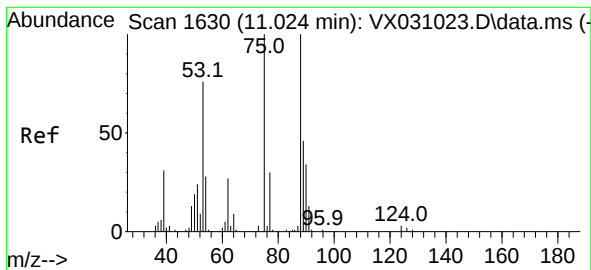
Tgt Ion:152 Resp: 133717
 Ion Ratio Lower Upper
 152 100
 115 56.4 40.5 121.5
 150 156.4 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 22.605 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX031113.D
 Acq: 04 Sep 2022 03:58

Tgt Ion: 75 Resp: 71454
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.042 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX031113.D
 Acq: 04 Sep 2022 03:58

Instrument :
 MSVOA_X
 ClientSampleId :
 KTS2-WC-S-MH-01-0-20

Tgt Ion: 75 Resp: 71454
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.8 52.2#

