

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090322\
 Data File : VX031114.D
 Acq On : 04 Sep 2022 04:21
 Operator : JC/MD
 Sample : N4438-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KTS2-WC-S-MH-02-0-20

Quant Time: Sep 06 01:30:41 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)

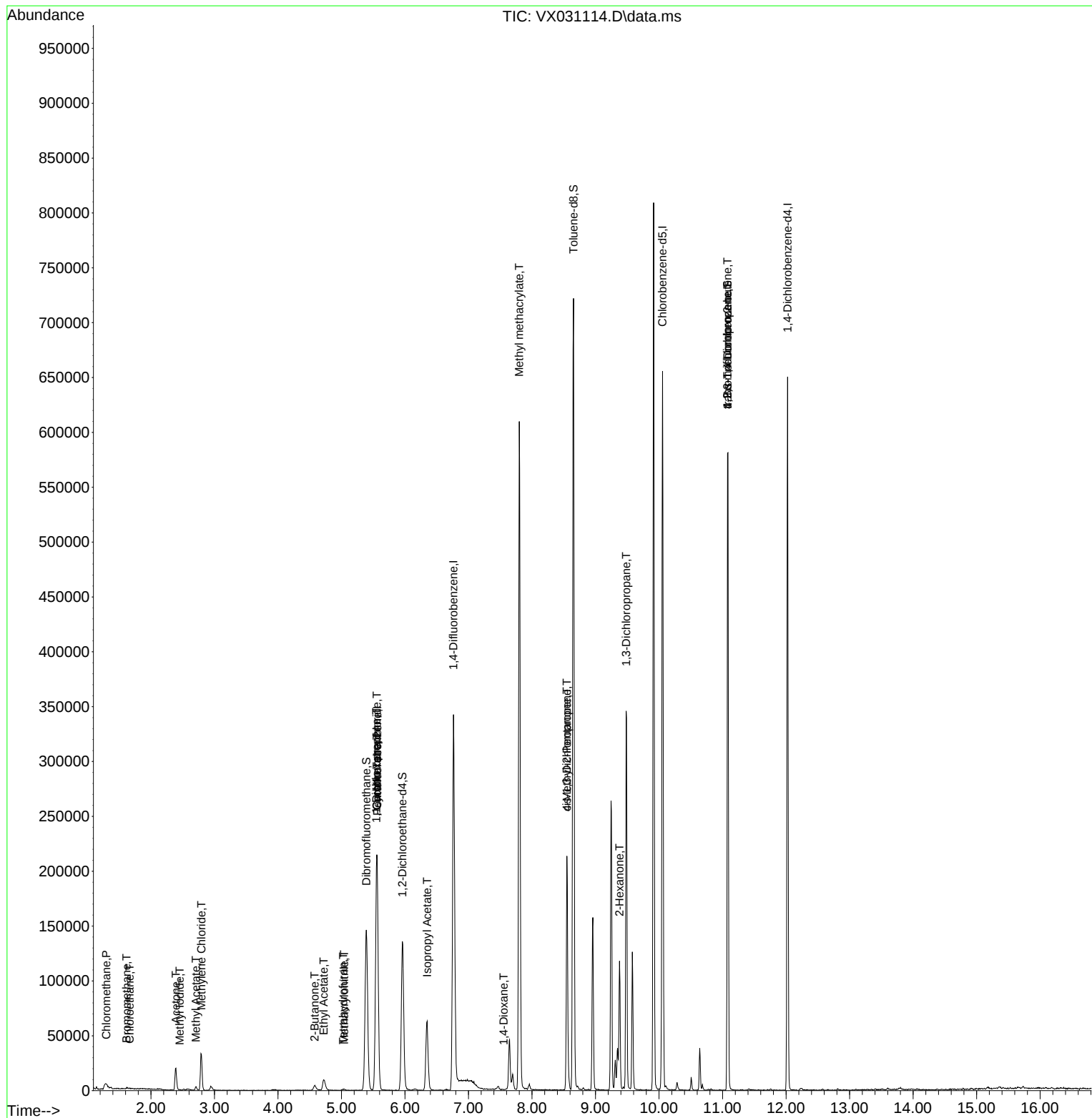
Internal Standards						
1) Pentafluorobenzene	5.562	168	219190	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	357039	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	322085	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	143021	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	135838	48.164	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.320%
35) Dibromofluoromethane	5.391	113	131930	50.634	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.260%
50) Toluene-d8	8.653	98	466525	48.650	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.300%
62) 4-Bromofluorobenzene	11.079	95	163759	48.350	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.700%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	328	0.850	ug/l #	42
5) Bromomethane	1.617	94	302	0.287	ug/l #	37
6) Chloroethane	1.666	64	173	1.837	ug/l #	41
10) Methyl Iodide	2.453	142	418	3.063	ug/l #	93
11) Tert butyl alcohol	2.946	59	2963	Below Cal	#	74
16) Acetone	2.392	43	23345	21.442	ug/l	99
18) Methyl Acetate	2.709	43	3636	1.162	ug/l #	77
20) Methylene Chloride	2.794	84	18140	4.869	ug/l #	84
25) 2-Butanone	4.574	43	6034	3.590	ug/l #	85
29) Tetrahydrofuran	5.025	42	244	0.225	ug/l #	48
31) Cyclohexane	5.556	56	3294	0.855	ug/l #	5
36) 1,1-Dichloropropene	5.550	75	14567	3.991	ug/l #	48
37) Ethyl Acetate	4.721	43	17251	5.440	ug/l #	94
38) Carbon Tetrachloride	5.556	117	19950	5.266	ug/l #	19
41) Methacrylonitrile	5.044	41	600	0.355	ug/l #	25
43) Isopropyl Acetate	6.348	43	79301	16.001	ug/l #	89
48) Methyl methacrylate	7.799	41	49642	19.841	ug/l #	42
49) 1,4-Dioxane	7.555	88	21	0.276	ug/l #	25
51) 4-Methyl-2-Pentanone	8.549	43	64323	20.190	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	37899	9.115	ug/l #	57
57) 1,3-Dichloropropane	9.482	76	3519	0.770	ug/l #	42
59) 2-Hexanone	9.378	43	76876	31.909	ug/l #	24
76) 1,2,3-Trichloropropane	11.079	75	74695	22.093	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	74695	69.433	ug/l #	13

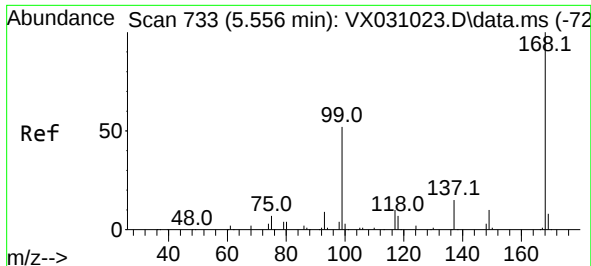
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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KTS2-WC-S-MH-02-0-20

Quant Time: Sep 06 01:30:41 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

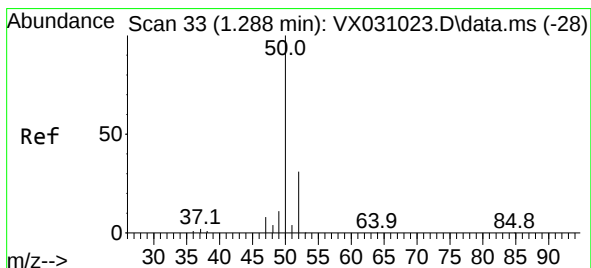
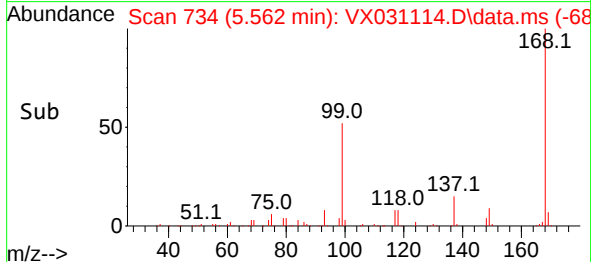
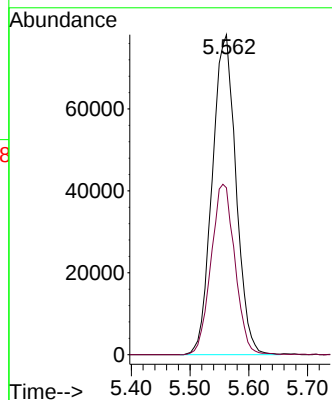
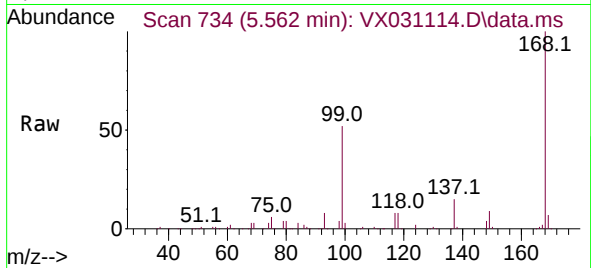




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX031114.D
Acq: 04 Sep 2022 04:21

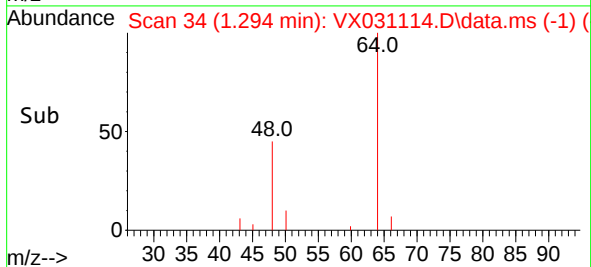
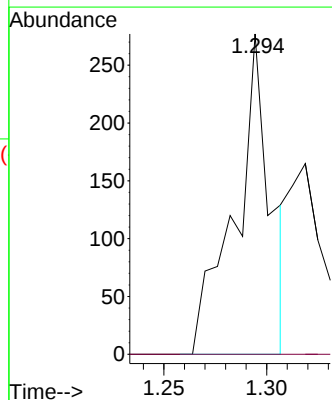
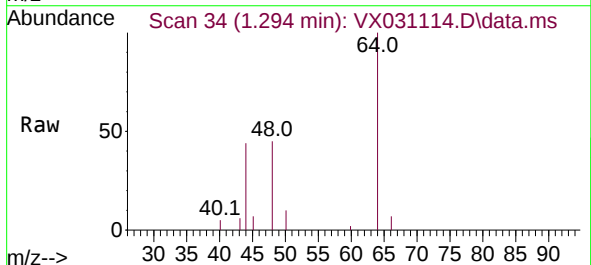
Instrument :
MSVOA_X
ClientSampleId :
KTS2-WC-S-MH-02-0-20

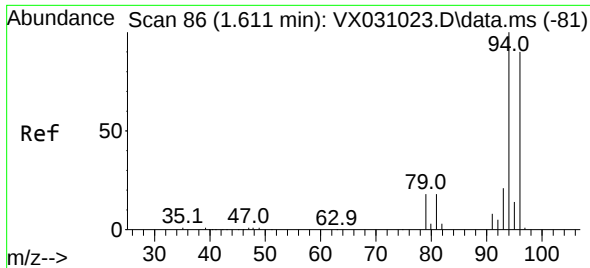
Tgt Ion:168 Resp: 219190
Ion Ratio Lower Upper
168 100
99 52.2 44.0 66.0



#3
Chloromethane
Concen: 0.850 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX031114.D
Acq: 04 Sep 2022 04:21

Tgt Ion: 50 Resp: 328
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

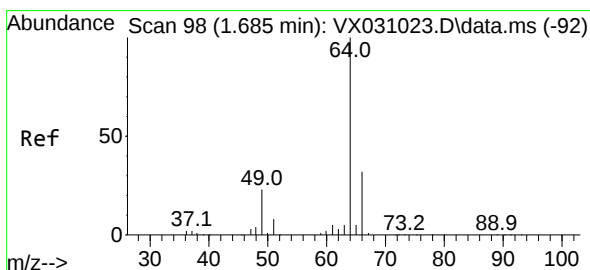
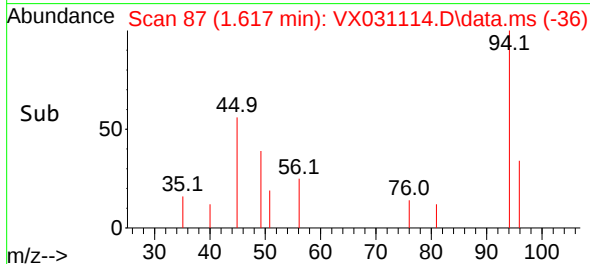
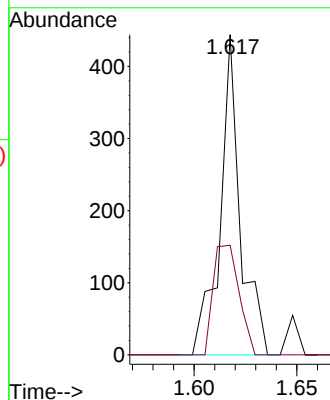
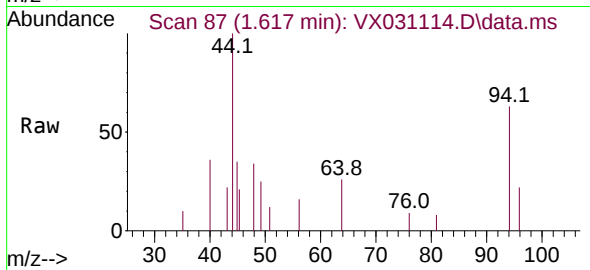




#5
Bromomethane
Concen: 0.287 ug/l
RT: 1.617 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX031114.D
Acq: 04 Sep 2022 04:21

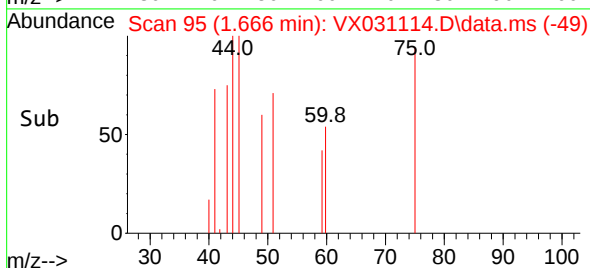
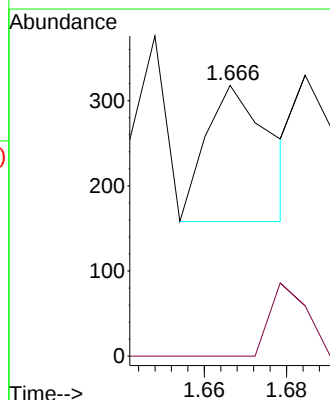
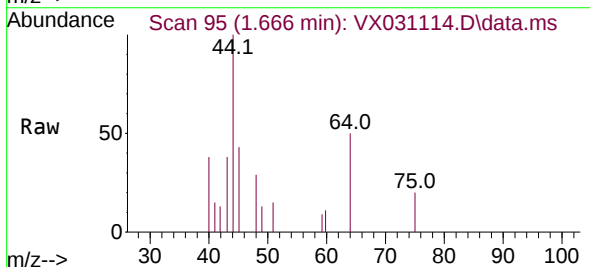
Instrument :
MSVOA_X
ClientSampleId :
KTS2-WC-S-MH-02-0-20

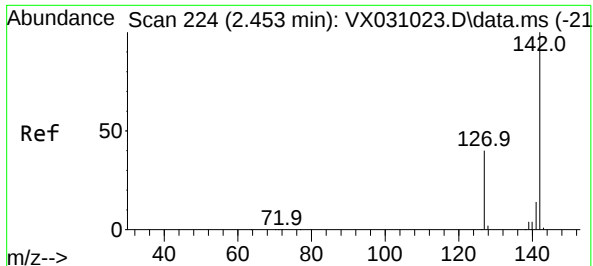
Tgt Ion: 94 Resp: 302
Ion Ratio Lower Upper
94 100
96 34.2 76.9 115.3#



#6
Chloroethane
Concen: 1.837 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.019 min
Lab File: VX031114.D
Acq: 04 Sep 2022 04:21

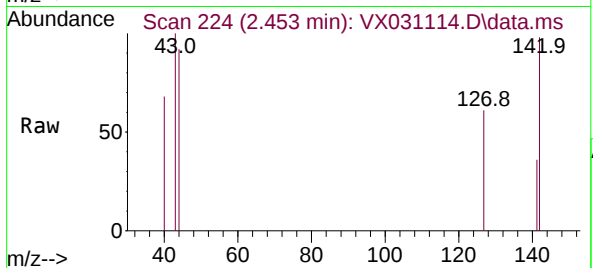
Tgt Ion: 64 Resp: 173
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



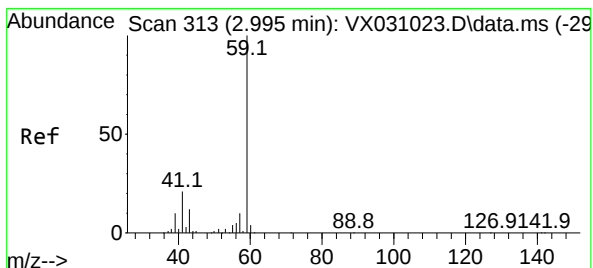
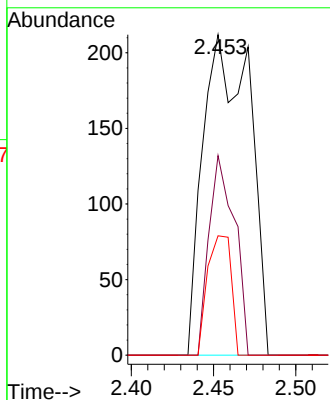
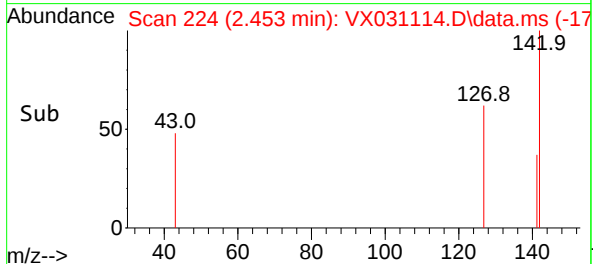


#10
Methyl Iodide
Concen: 3.063 ug/l
RT: 2.453 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX031114.D
Acq: 04 Sep 2022 04:21

Instrument :
MSVOA_X
ClientSampleId :
KTS2-WC-S-MH-02-0-20

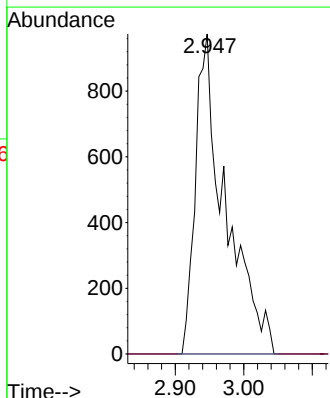
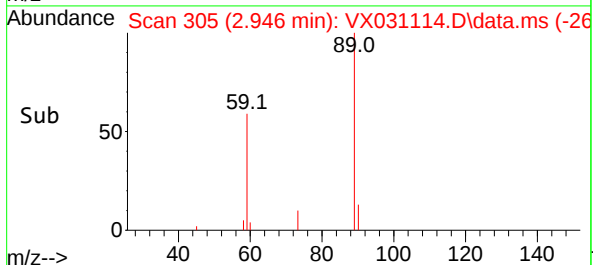
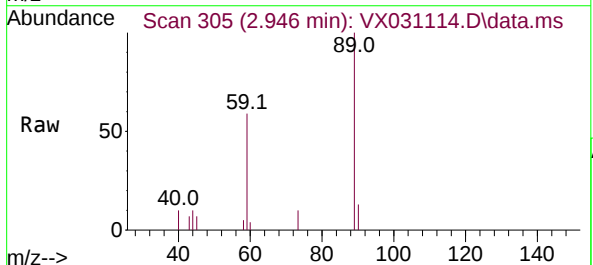


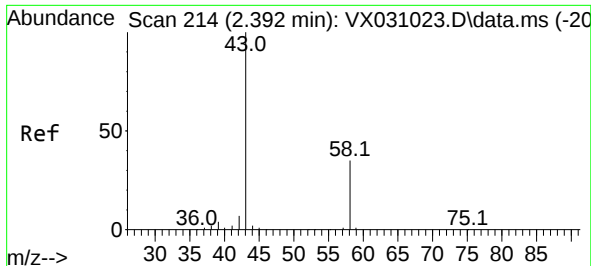
Tgt Ion:142 Resp: 418
Ion Ratio Lower Upper
142 100
127 34.2 30.2 45.2
141 18.9 11.3 16.9#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.946 min Scan# 305
Delta R.T. -0.042 min
Lab File: VX031114.D
Acq: 04 Sep 2022 04:21

Tgt Ion: 59 Resp: 2963
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

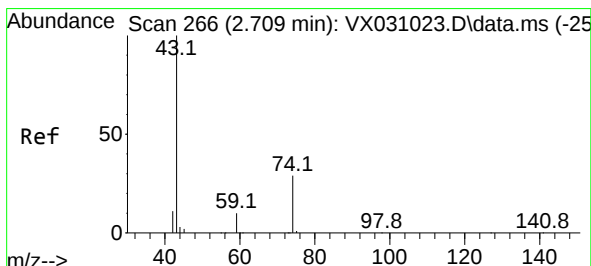
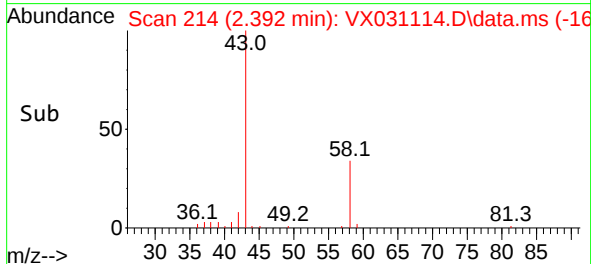
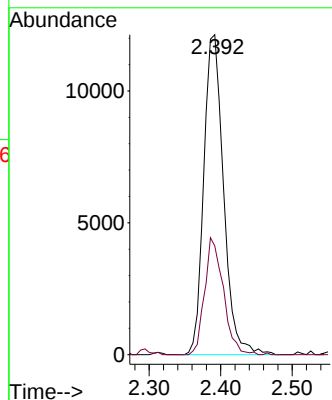
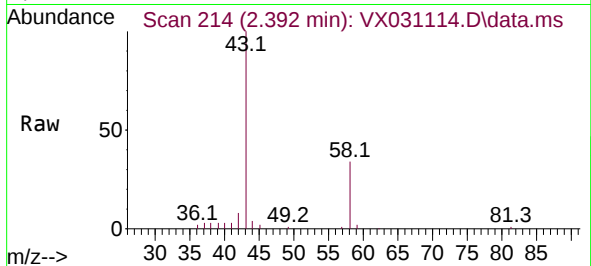




#16
Acetone
Concen: 21.442 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX031114.D
Acq: 04 Sep 2022 04:21

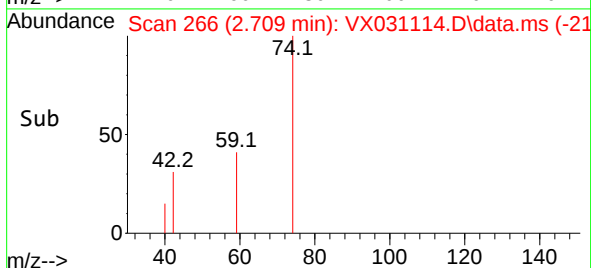
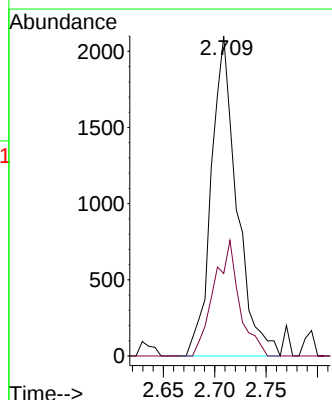
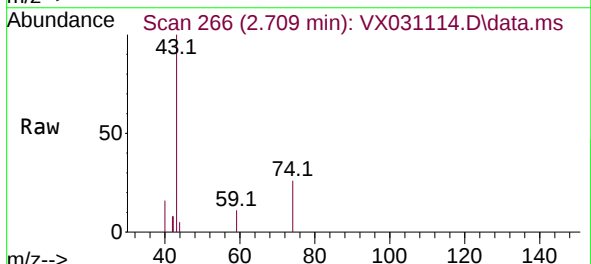
Instrument :
MSVOA_X
ClientSampleId :
KTS2-WC-S-MH-02-0-20

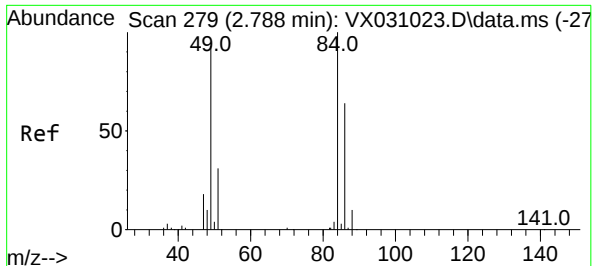
Tgt Ion: 43 Resp: 23345
Ion Ratio Lower Upper
43 100
58 34.0 27.7 41.5



#18
Methyl Acetate
Concen: 1.162 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX031114.D
Acq: 04 Sep 2022 04:21

Tgt Ion: 43 Resp: 3636
Ion Ratio Lower Upper
43 100
74 35.9 19.4 29.2#





#20

Methylene Chloride

Concen: 4.869 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX031114.D

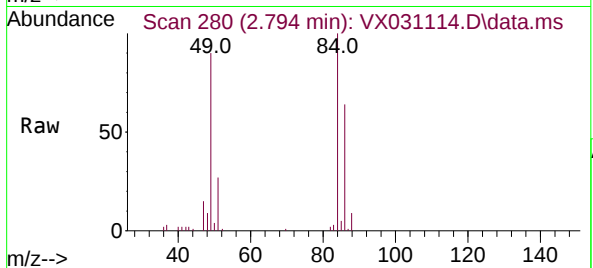
Acq: 04 Sep 2022 04:21

Instrument :

MSVOA_X

ClientSampleId :

KTS2-WC-S-MH-02-0-20



Tgt Ion: 84 Resp: 18140

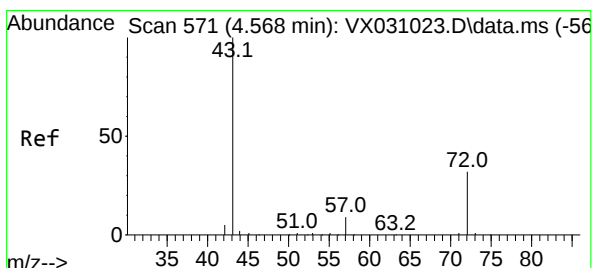
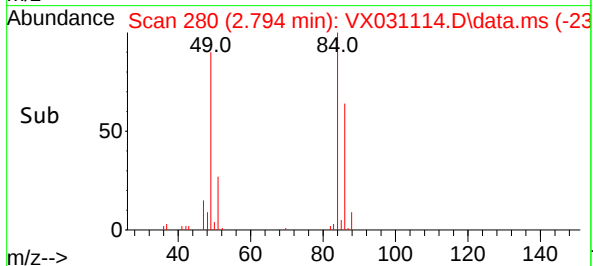
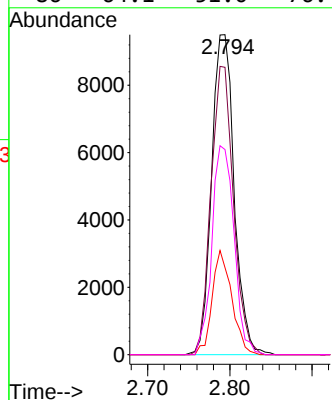
Ion Ratio Lower Upper

84 100

49 89.8 93.8 140.6#

51 27.2 29.4 44.0#

86 64.1 51.0 76.4



#25

2-Butanone

Concen: 3.590 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.006 min

Lab File: VX031114.D

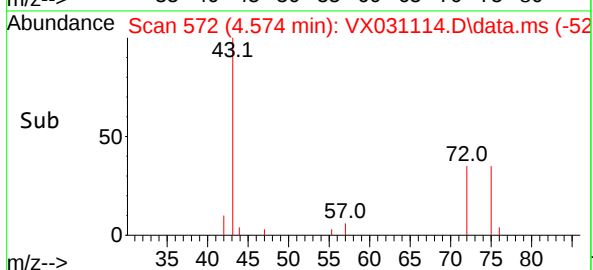
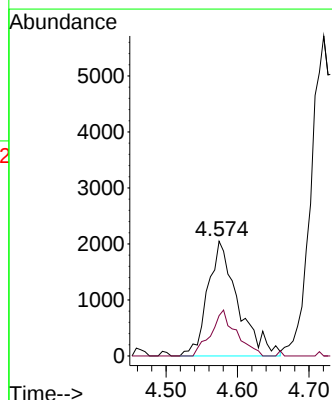
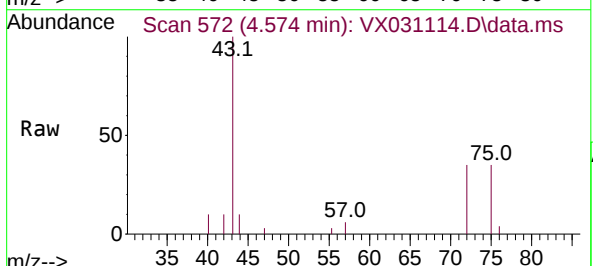
Acq: 04 Sep 2022 04:21

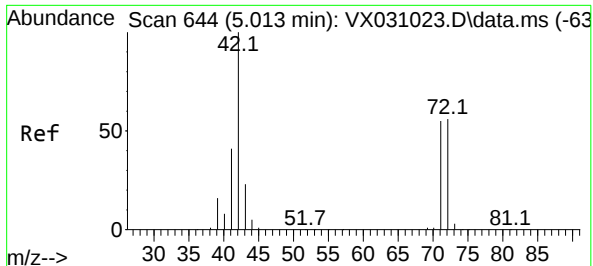
Tgt Ion: 43 Resp: 6034

Ion Ratio Lower Upper

43 100

72 35.1 21.7 32.5#





#29

Tetrahydrofuran

Concen: 0.225 ug/l

RT: 5.025 min Scan# 644

Delta R.T. 0.012 min

Lab File: VX031114.D

Acq: 04 Sep 2022 04:21

Instrument :

MSVOA_X

ClientSampleId :

KTS2-WC-S-MH-02-0-20

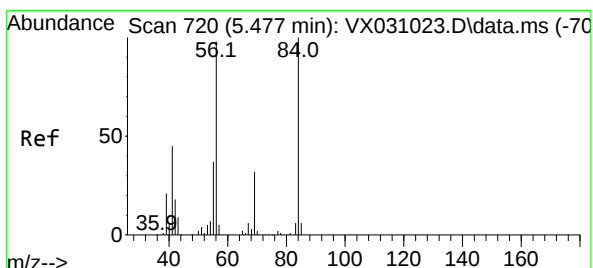
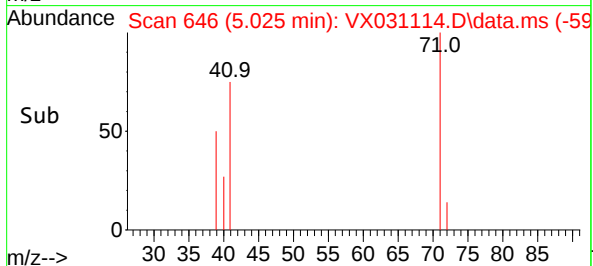
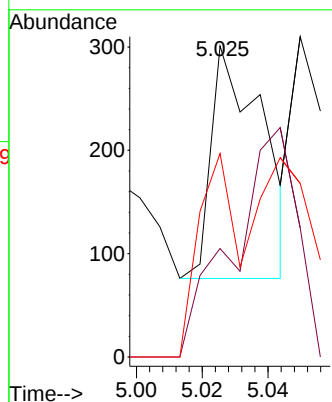
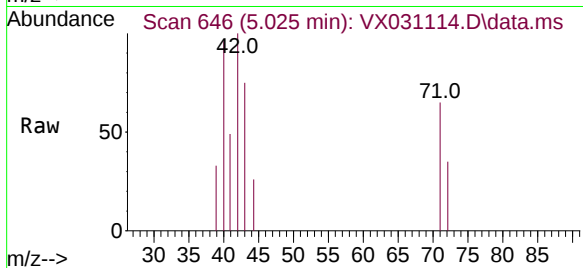
Tgt Ion: 42 Resp: 244

Ion Ratio Lower Upper

42 100

72 0.0 36.5 54.7#

71 63.5 33.9 50.9#



#31

Cyclohexane

Concen: 0.855 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX031114.D

Acq: 04 Sep 2022 04:21

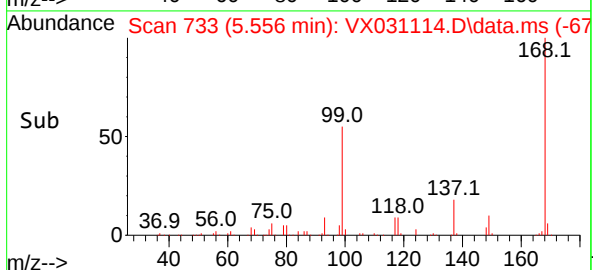
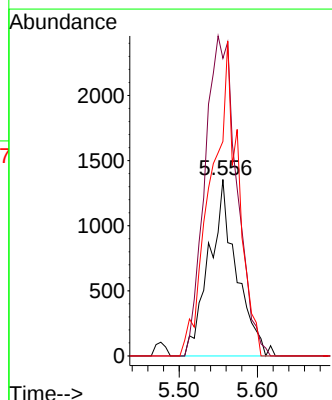
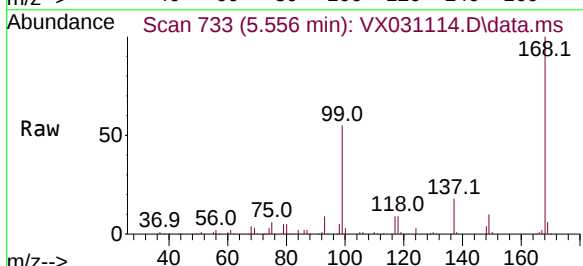
Tgt Ion: 56 Resp: 3294

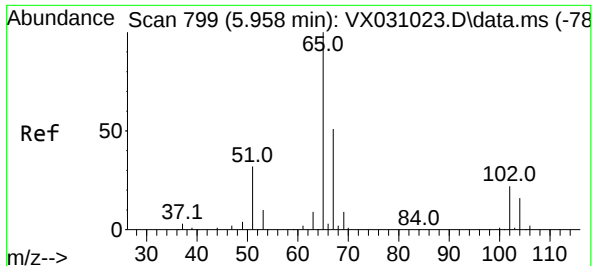
Ion Ratio Lower Upper

56 100

69 168.6 25.4 38.0#

84 121.5 68.9 103.3#

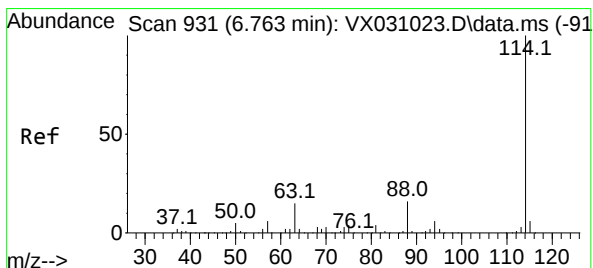
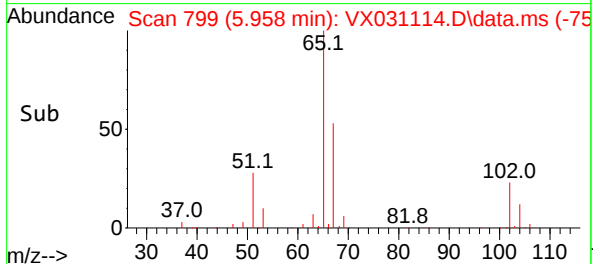
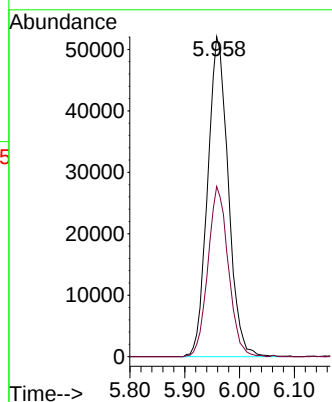
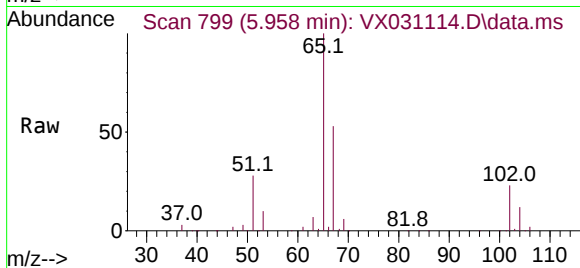




#33
 1,2-Dichloroethane-d4
 Concen: 48.164 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX031114.D
 Acq: 04 Sep 2022 04:21

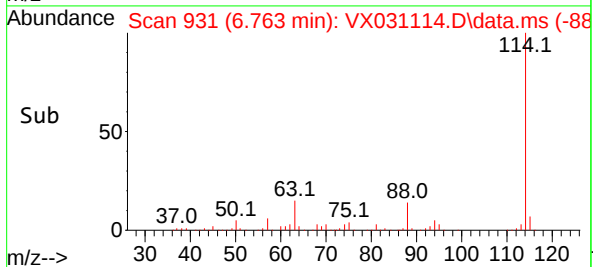
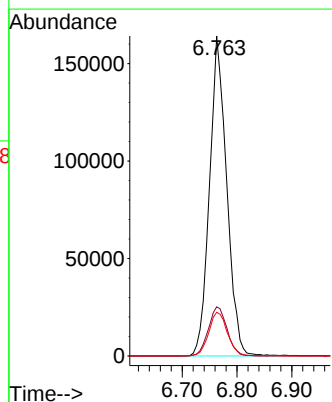
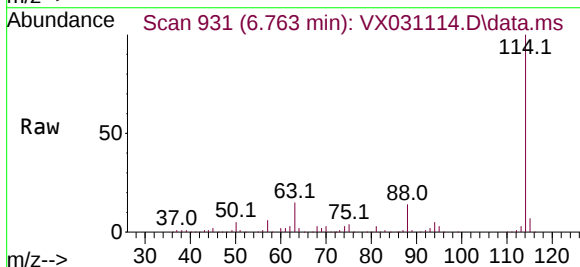
Instrument :
 MSVOA_X
 ClientSampleId :
 KTS2-WC-S-MH-02-0-20

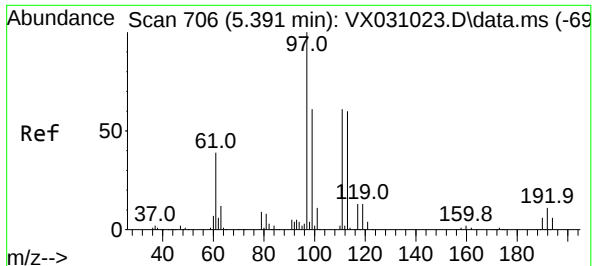
Tgt Ion: 65 Resp: 135838
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.006 min
 Lab File: VX031114.D
 Acq: 04 Sep 2022 04:21

Tgt Ion: 114 Resp: 357039
 Ion Ratio Lower Upper
 114 100
 63 15.3 0.0 38.4
 88 13.7 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.634 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX031114.D

Acq: 04 Sep 2022 04:21

Instrument :

MSVOA_X

ClientSampleId :

KTS2-WC-S-MH-02-0-20

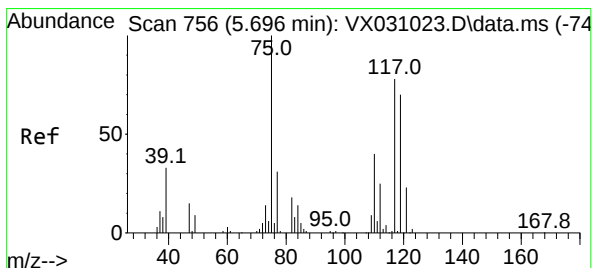
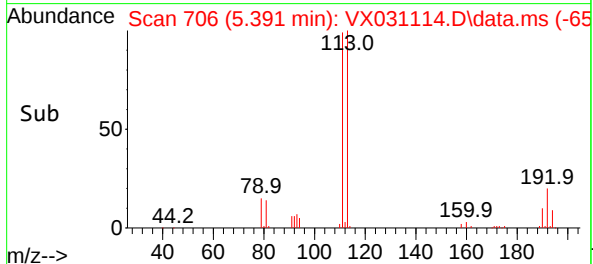
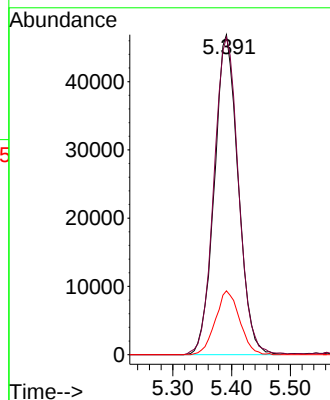
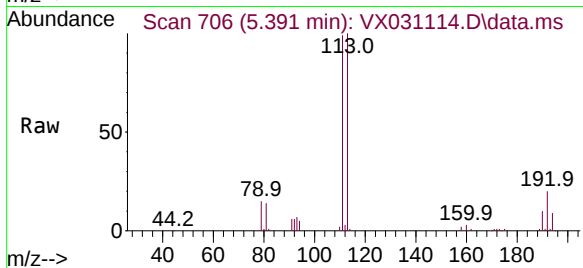
Tgt Ion:113 Resp: 131930

Ion Ratio Lower Upper

113 100

111 102.2 83.2 124.8

192 20.3 14.8 22.2



#36

1,1-Dichloropropene

Concen: 3.991 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX031114.D

Acq: 04 Sep 2022 04:21

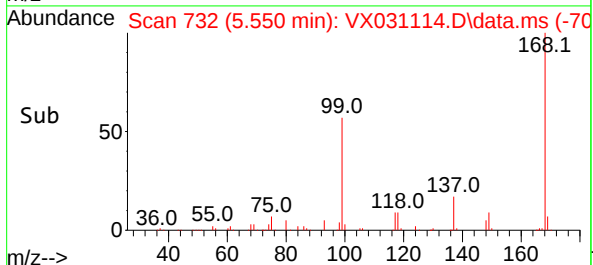
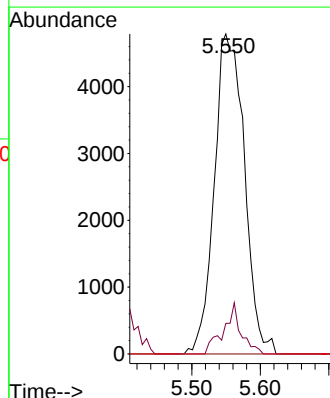
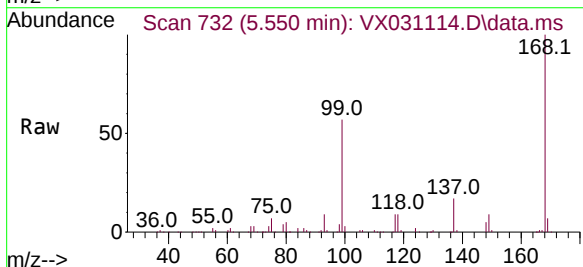
Tgt Ion: 75 Resp: 14567

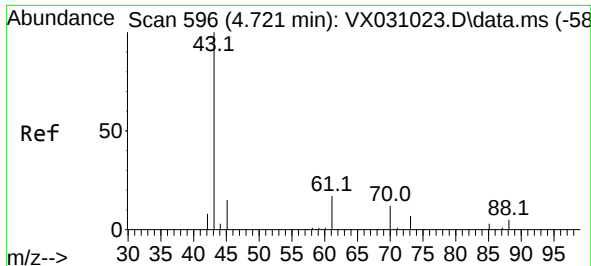
Ion Ratio Lower Upper

75 100

110 9.3 19.3 57.9#

77 0.0 24.4 36.6#

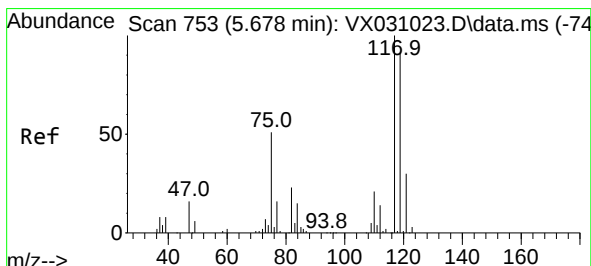
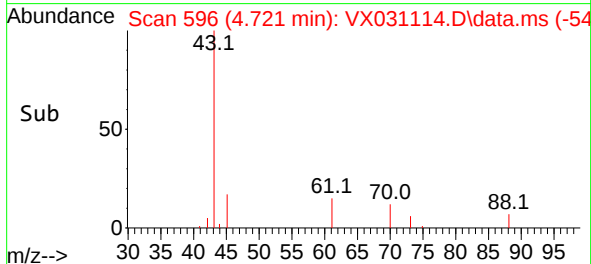
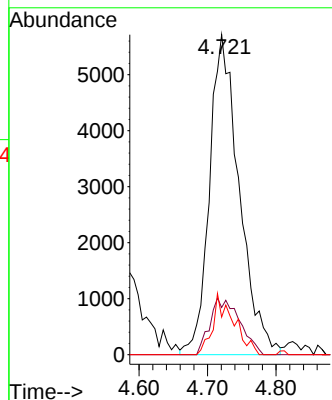
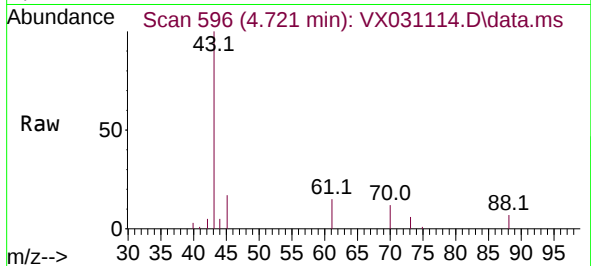




#37
Ethyl Acetate
Concen: 5.440 ug/l
RT: 4.721 min Scan# 596
Delta R.T. -0.000 min
Lab File: VX031114.D
Acq: 04 Sep 2022 04:21

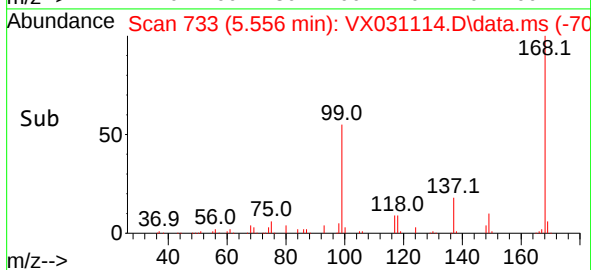
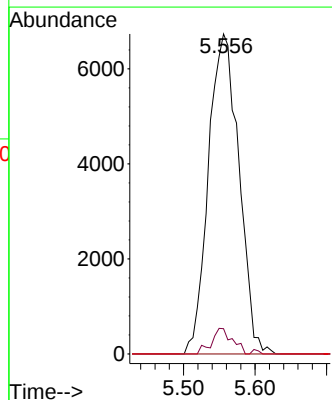
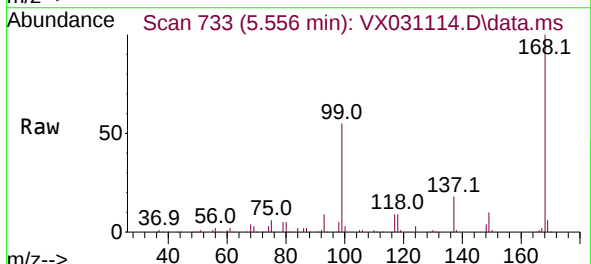
Instrument :
MSVOA_X
ClientSampleId :
KTS2-WC-S-MH-02-0-20

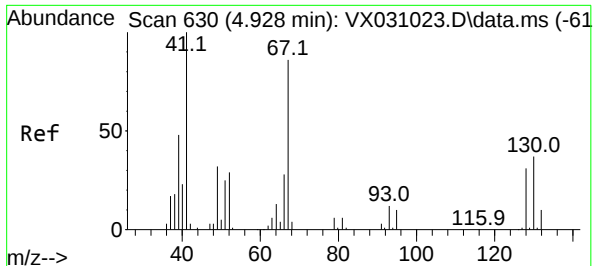
Tgt Ion: 43 Resp: 17251
Ion Ratio Lower Upper
43 100
61 17.7 11.7 17.5#
70 13.5 9.3 13.9



#38
Carbon Tetrachloride
Concen: 5.266 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX031114.D
Acq: 04 Sep 2022 04:21

Tgt Ion: 117 Resp: 19950
Ion Ratio Lower Upper
117 100
119 7.9 74.1 111.1#
121 0.0 25.8 38.8#

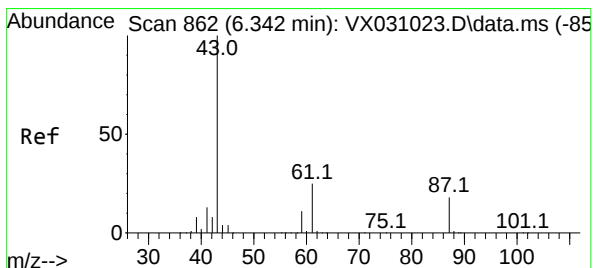
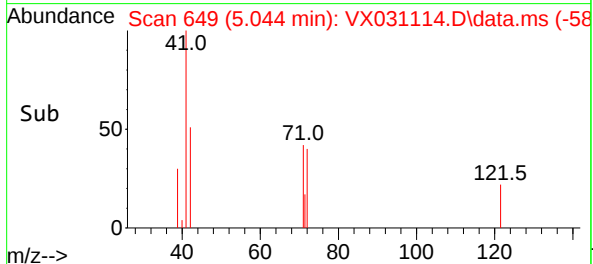
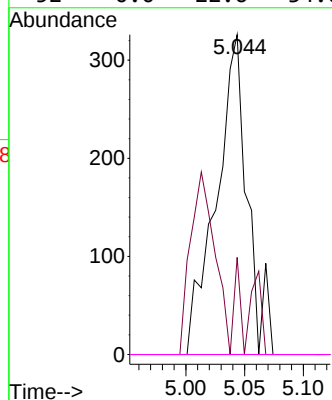
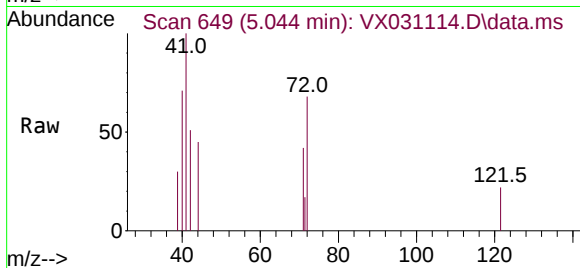




#41
Methacrylonitrile
Concen: 0.355 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.116 min
Lab File: VX031114.D
Acq: 04 Sep 2022 04:21

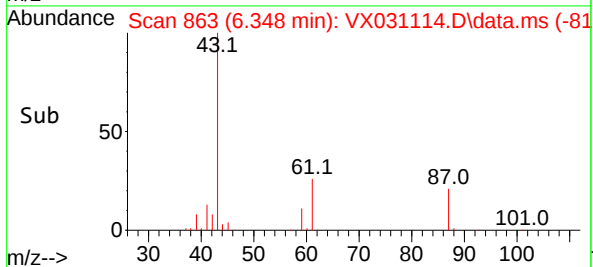
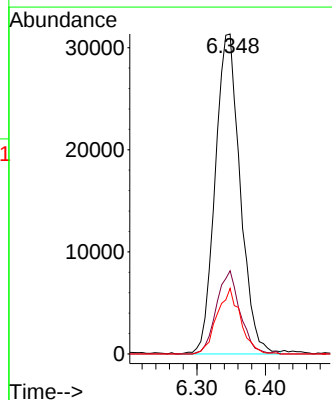
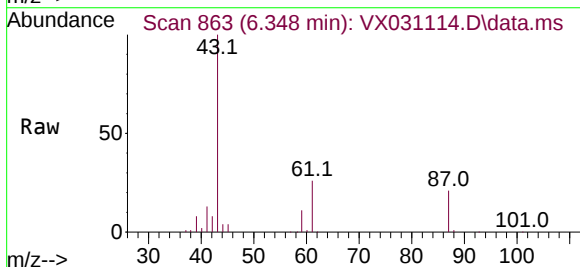
Instrument :
MSVOA_X
ClientSampleId :
KTS2-WC-S-MH-02-0-20

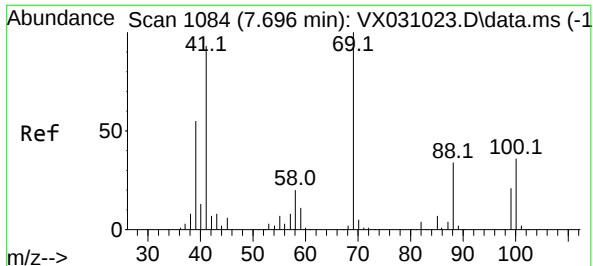
Tgt Ion: 41	Resp: 600
Ion Ratio	Lower Upper
41 100	
39 6.0	42.9 64.3#
67 0.0	60.1 90.1#
52 0.0	22.6 34.0#



#43
Isopropyl Acetate
Concen: 16.001 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX031114.D
Acq: 04 Sep 2022 04:21

Tgt Ion: 43	Resp: 79301
Ion Ratio	Lower Upper
43 100	
61 24.7	16.5 24.7
87 19.4	11.1 16.7#





#48

Methyl methacrylate

Concen: 19.841 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.103 min

Lab File: VX031114.D

Acq: 04 Sep 2022 04:21

Instrument :

MSVOA_X

ClientSampleId :

KTS2-WC-S-MH-02-0-20

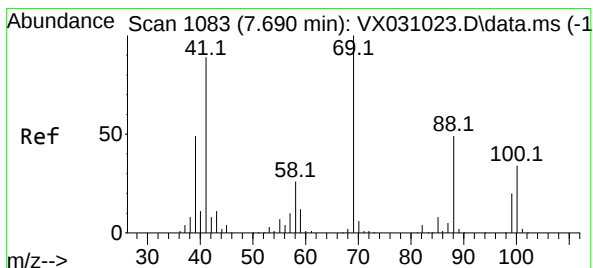
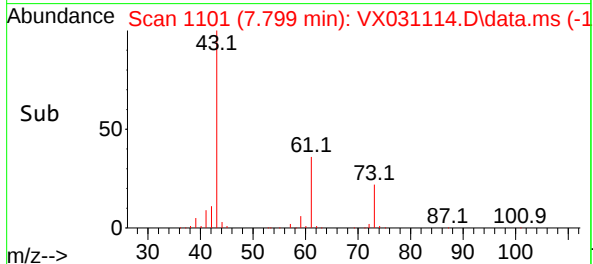
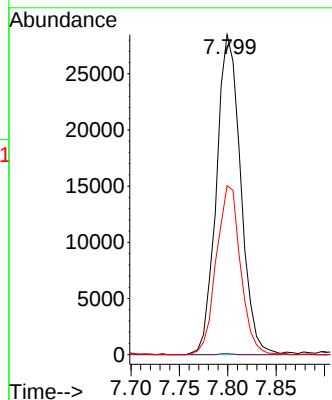
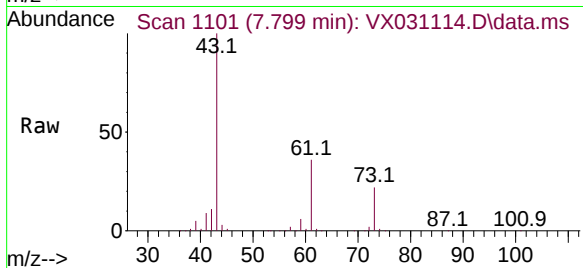
Tgt Ion: 41 Resp: 49642

Ion Ratio Lower Upper

41 100

69 0.2 68.8 103.2#

39 52.8 44.6 66.8



#49

1,4-Dioxane

Concen: 0.276 ug/l

RT: 7.555 min Scan# 1061

Delta R.T. -0.122 min

Lab File: VX031114.D

Acq: 04 Sep 2022 04:21

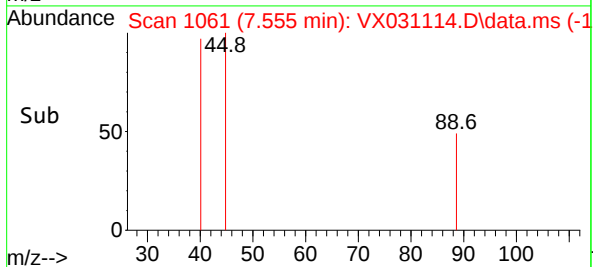
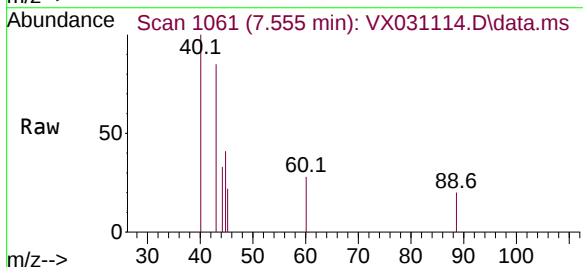
Tgt Ion: 88 Resp: 21

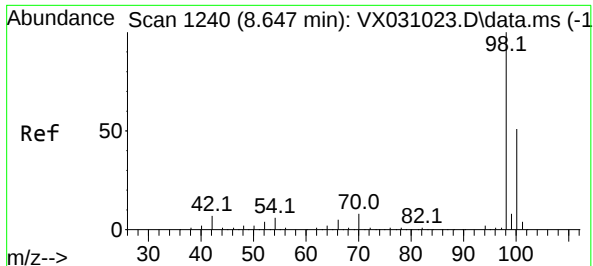
Ion Ratio Lower Upper

88 100

43 0.0 23.8 35.8#

58 0.0 53.8 80.6#

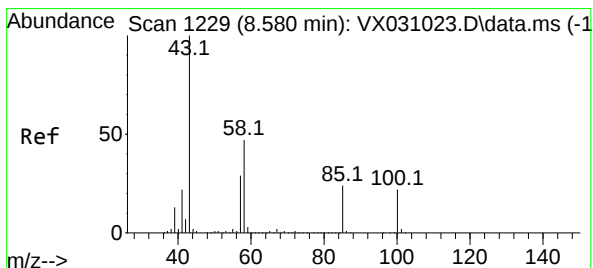
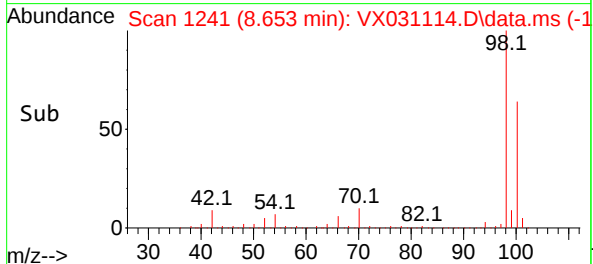
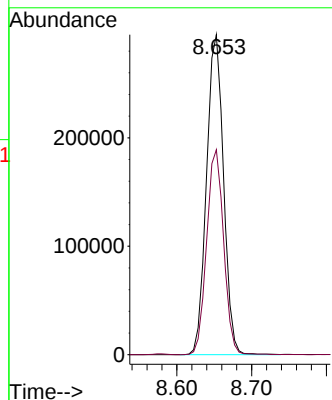
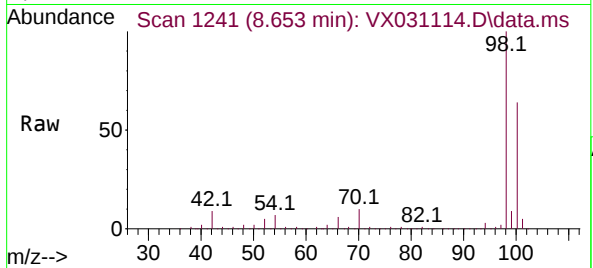




#50
Toluene-d8
Concen: 48.650 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031114.D
Acq: 04 Sep 2022 04:21

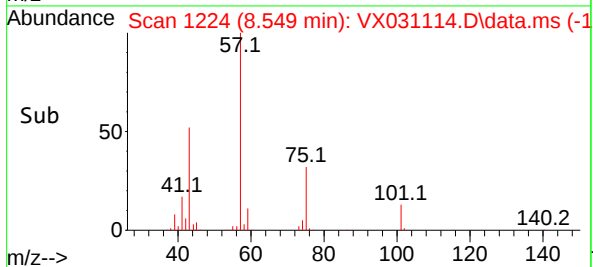
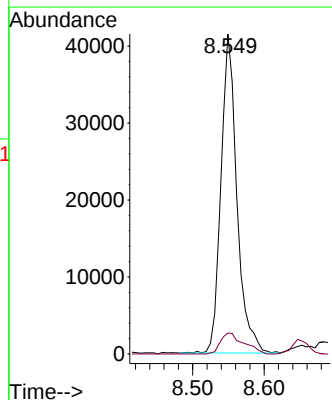
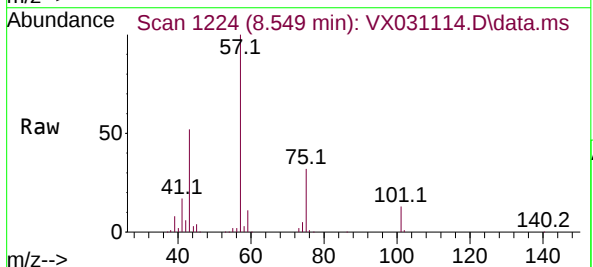
Instrument :
MSVOA_X
ClientSampleId :
KTS2-WC-S-MH-02-0-20

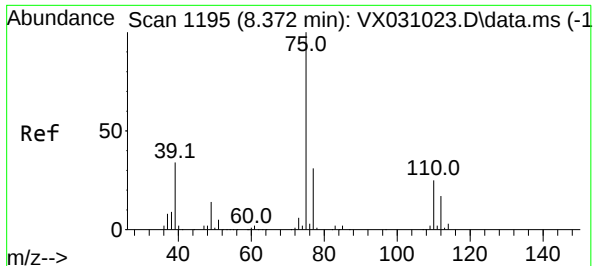
Tgt Ion: 98 Resp: 466525
Ion Ratio Lower Upper
98 100
100 64.2 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 20.190 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX031114.D
Acq: 04 Sep 2022 04:21

Tgt Ion: 43 Resp: 64323
Ion Ratio Lower Upper
43 100
58 9.6 31.4 47.2#

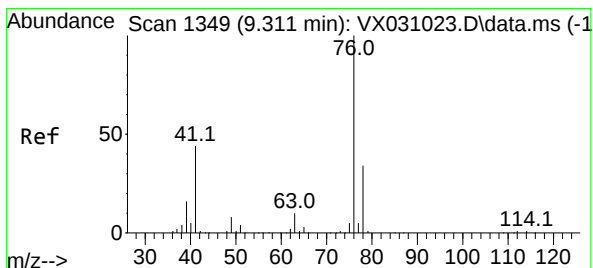
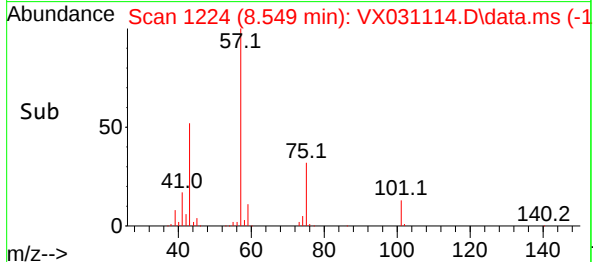
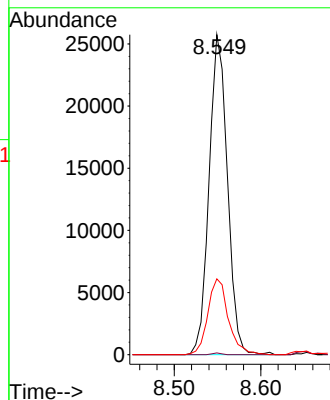
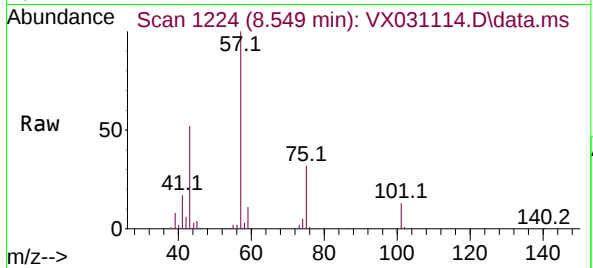




#54
cis-1,3-Dichloropropene
Concen: 9.115 ug/l
RT: 8.549 min Scan# 1195
Delta R.T. 0.177 min
Lab File: VX031114.D
Acq: 04 Sep 2022 04:21

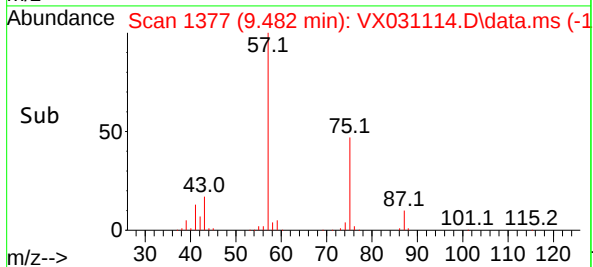
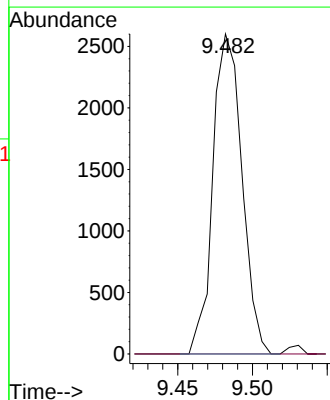
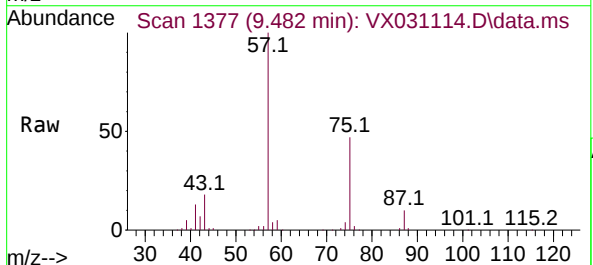
Instrument :
MSVOA_X
ClientSampleId :
KTS2-WC-S-MH-02-0-20

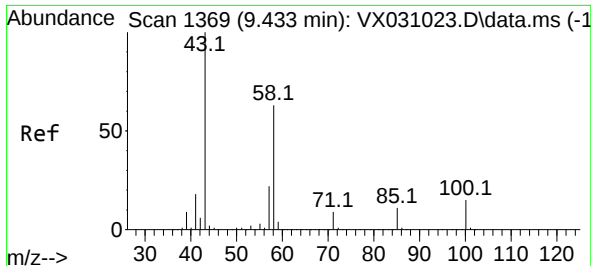
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.5	25.0	37.4#
39	23.7	37.5	56.3#



#57
1,3-Dichloropropane
Concen: 0.770 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX031114.D
Acq: 04 Sep 2022 04:21

Tgt Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.9	38.9#





#59

2-Hexanone

Concen: 31.909 ug/l

RT: 9.378 min Scan# 11

Delta R.T. -0.055 min

Lab File: VX031114.D

Acq: 04 Sep 2022 04:21

Instrument :

MSVOA_X

ClientSampleId :

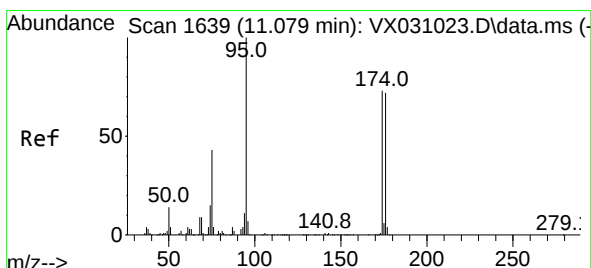
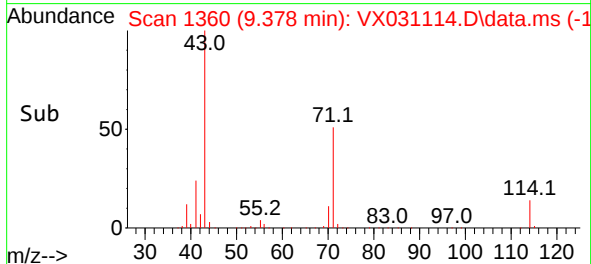
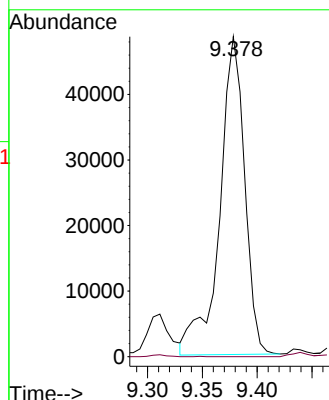
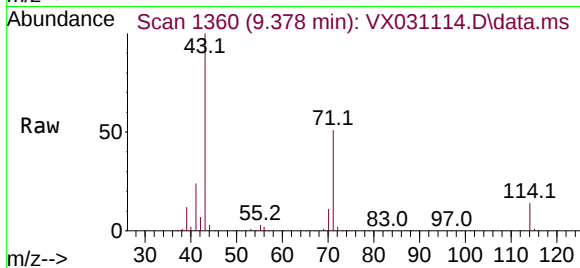
KTS2-WC-S-MH-02-0-20

Tgt Ion: 43 Resp: 76876

Ion Ratio Lower Upper

43 100

58 0.0 27.6 82.8#



#62

4-Bromofluorobenzene

Concen: 48.350 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX031114.D

Acq: 04 Sep 2022 04:21

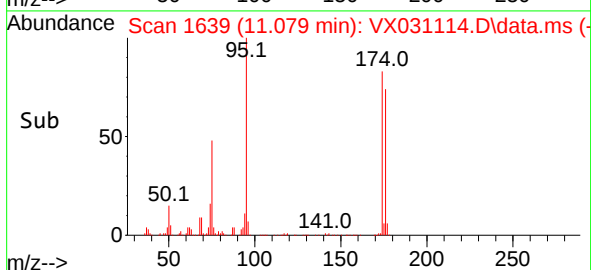
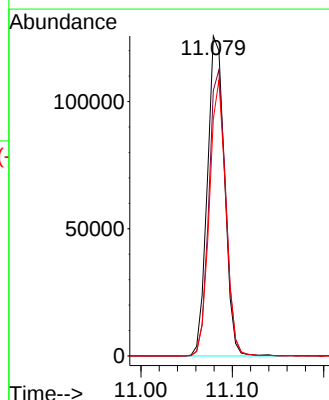
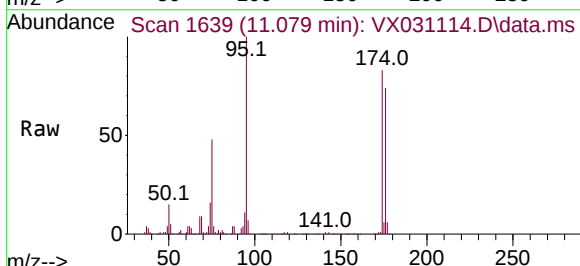
Tgt Ion: 95 Resp: 163759

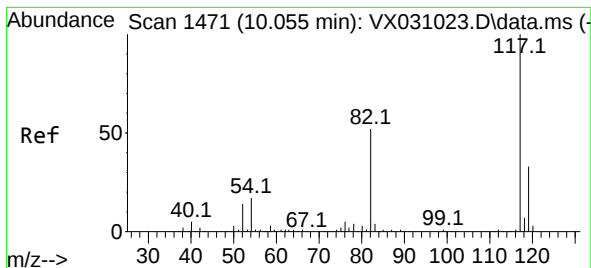
Ion Ratio Lower Upper

95 100

174 88.0 0.0 149.0

176 82.7 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: VX031114.D

Acq: 04 Sep 2022 04:21

Instrument :

MSVOA_X

ClientSampleId :

KTS2-WC-S-MH-02-0-20

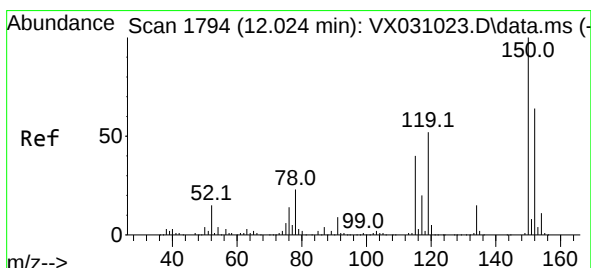
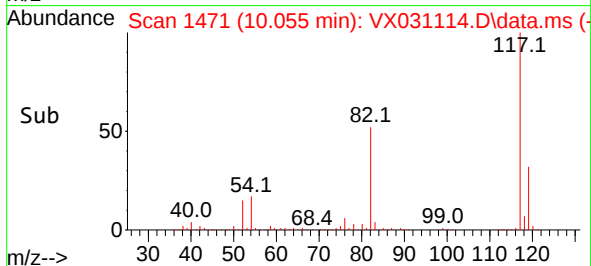
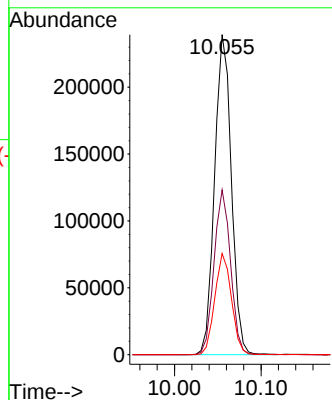
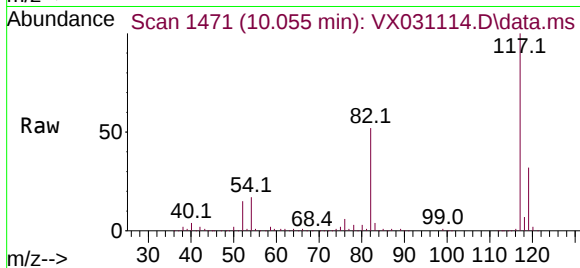
Tgt Ion:117 Resp: 322085

Ion Ratio Lower Upper

117 100

82 51.5 42.7 64.1

119 31.6 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX031114.D

Acq: 04 Sep 2022 04:21

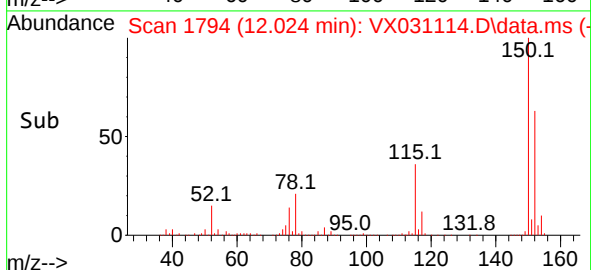
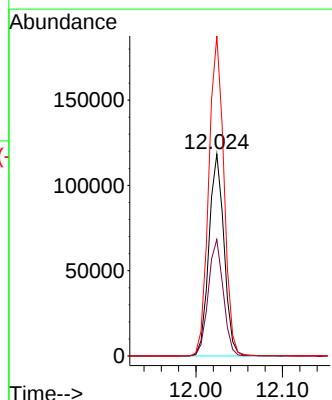
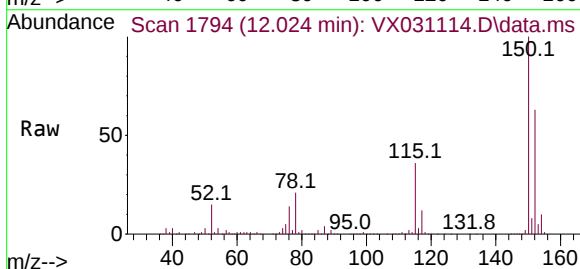
Tgt Ion:152 Resp: 143021

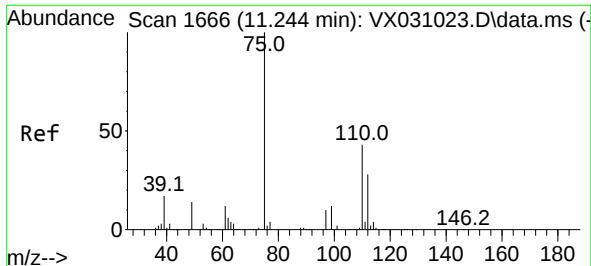
Ion Ratio Lower Upper

152 100

115 57.4 40.5 121.5

150 159.1 0.0 347.0

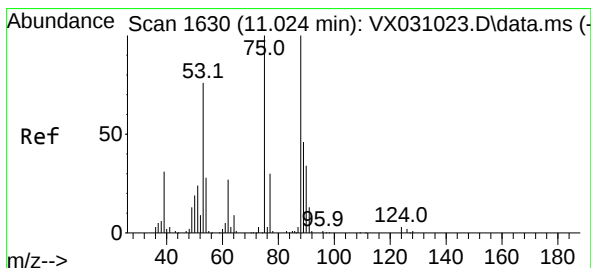
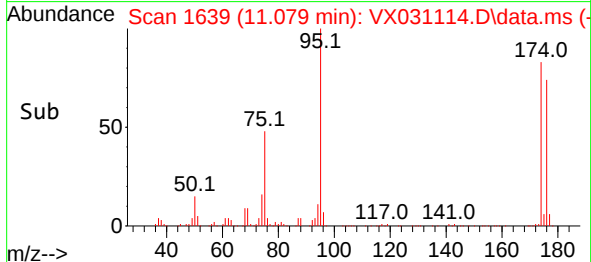
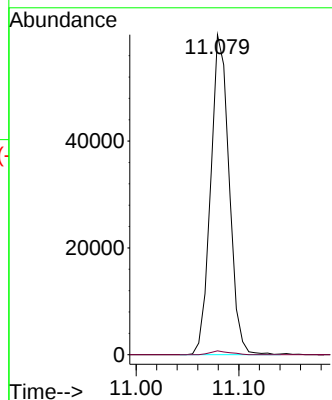
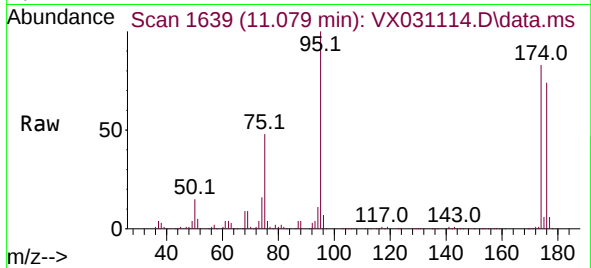




#76
1,2,3-Trichloropropane
Concen: 22.093 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX031114.D
Acq: 04 Sep 2022 04:21

Instrument :
MSVOA_X
ClientSampleId :
KTS2-WC-S-MH-02-0-20

Tgt Ion: 75 Resp: 74695
Ion Ratio Lower Upper
75 100
77 1.2 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.433 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.055 min
Lab File: VX031114.D
Acq: 04 Sep 2022 04:21

Tgt Ion: 75 Resp: 74695
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.0 34.8 52.2#

