

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090322\
 Data File : VY010323.D
 Acq On : 03 Sep 2022 16:22
 Operator : KP/MD
 Sample : N4419-09
 Misc : 2.85g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 KTS2-MH-02-14-15

Quant Time: Sep 05 04:20:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090222S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 16:41:46 2022
 Response via : Initial Calibration

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

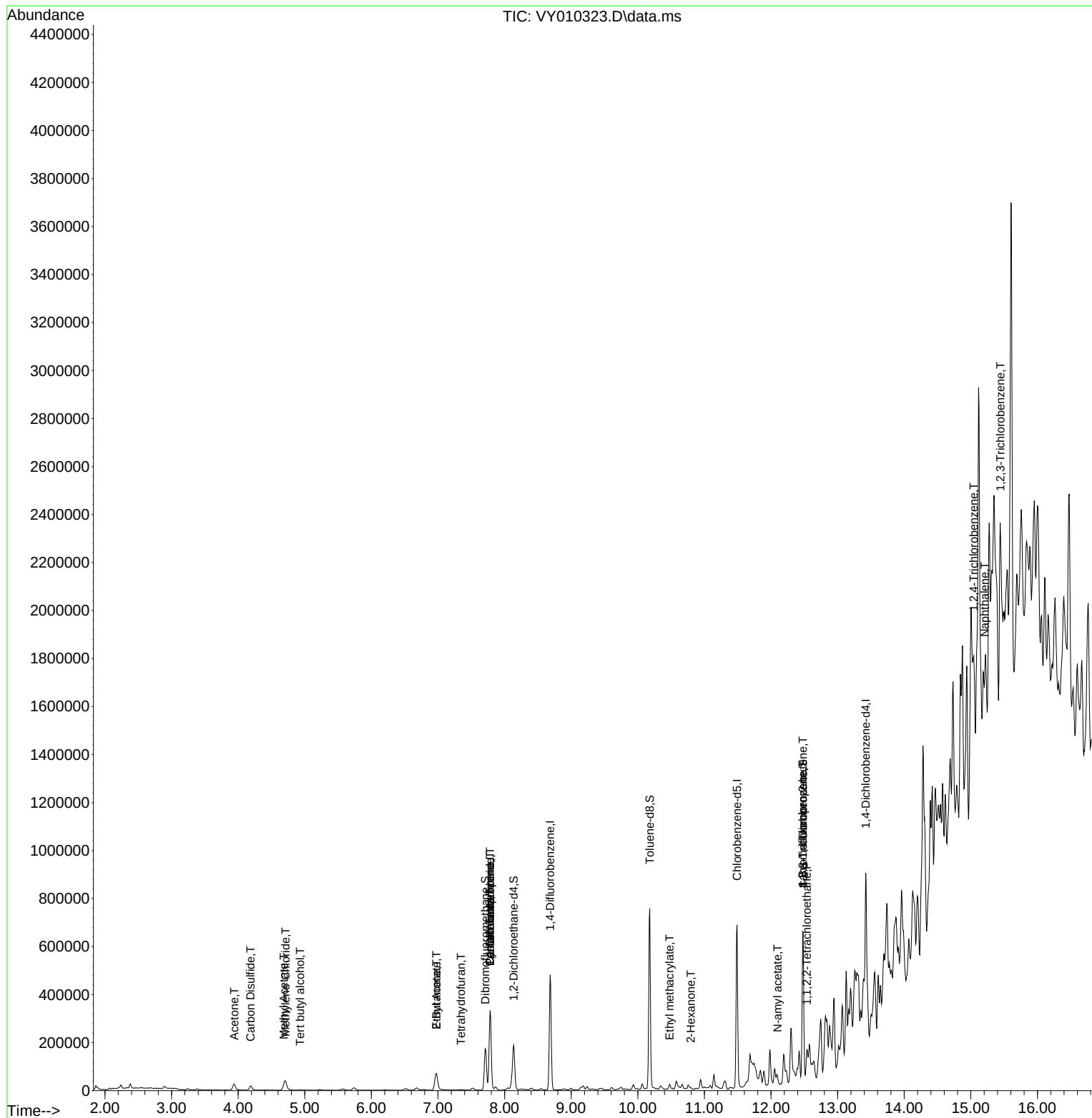
Internal Standards						
1) Pentafluorobenzene	7.783	168	260143	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	419627	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	367835	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	180331	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	133186	49.930	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.860%		
35) Dibromofluoromethane	7.710	113	124849	44.692	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	89.380%		
50) Toluene-d8	10.179	98	494906	52.915	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	105.840%		
62) 4-Bromofluorobenzene	12.477	95	170493	44.870	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	89.740%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.650	94	597	Below Cal	#	36
11) Tert butyl alcohol	4.930	59	780	2.444	ug/l #	92
16) Acetone	3.942	43	35092	52.625	ug/l	93
17) Carbon Disulfide	4.186	76	30152	3.822	ug/l	97
18) Methyl Acetate	4.686	43	11664	5.636	ug/l #	56
20) Methylene Chloride	4.710	84	24491	7.611	ug/l #	80
25) 2-Butanone	6.978	43	17461	15.955	ug/l	98
29) Tetrahydrofuran	7.344	42	933	1.331	ug/l #	72
31) Cyclohexane	7.783	56	7112	1.367	ug/l #	4
36) 1,1-Dichloropropene	7.783	75	19641	4.792	ug/l #	50
37) Ethyl Acetate	6.978	43	17461	7.430	ug/l #	84
38) Carbon Tetrachloride	7.783	117	24760	5.862	ug/l #	16
56) Ethyl methacrylate	10.477	69	7657	2.223	ug/l #	66
58) 2-Chloroethyl Vinyl ether	9.941	63	38	Below Cal	#	48
59) 2-Hexanone	10.795	43	3342	2.085	ug/l #	35
74) N-amyl acetate	12.099	43	5499	1.385	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.538	83	13108	4.741	ug/l #	26
76) 1,2,3-Trichloropropane	12.477	75	81189	37.832	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	81189	78.923	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.044	180	11976	3.416	ug/l #	67
95) Naphthalene	15.208	128	8314	1.143	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.446	180	15083	5.080	ug/l #	14

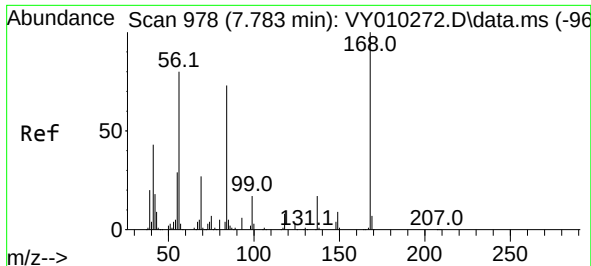
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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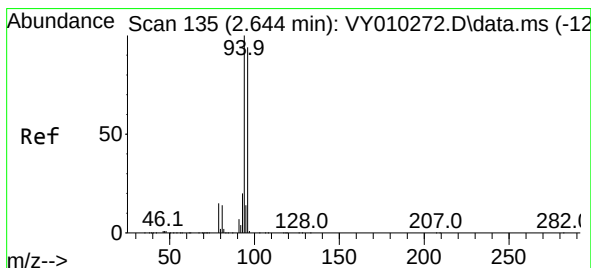
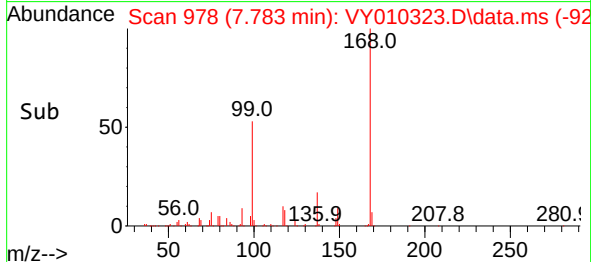
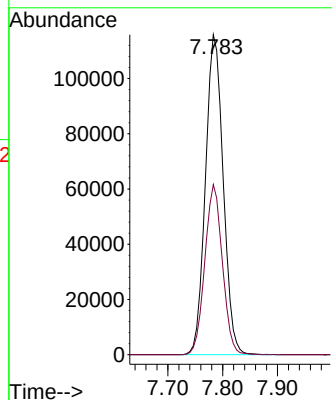
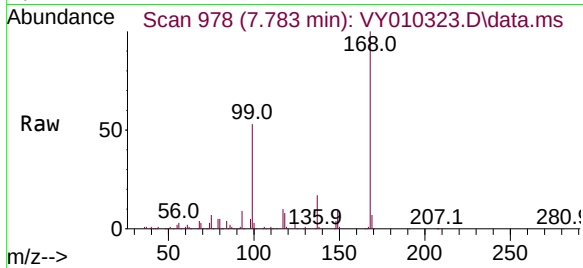




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010323.D
Acq: 03 Sep 2022 16:22

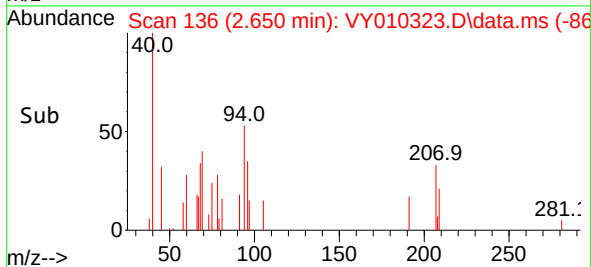
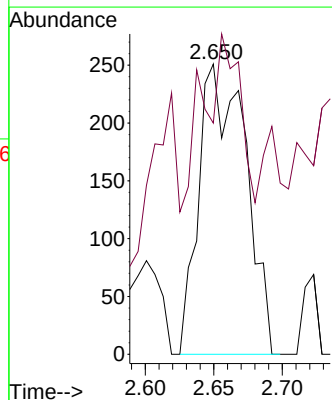
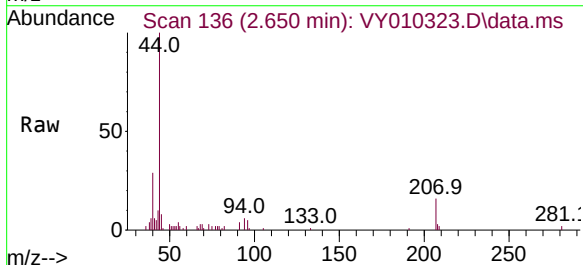
Instrument :
MSVOA_Y
ClientSampleId :
KTS2-MH-02-14-15

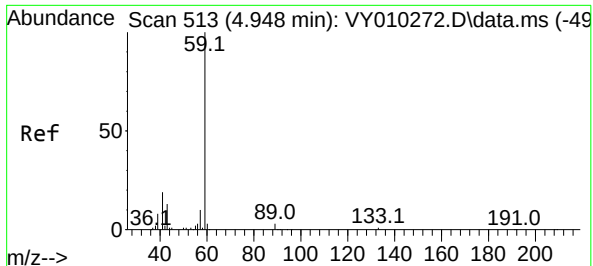
Tgt Ion:168 Resp: 260143
Ion Ratio Lower Upper
168 100
99 53.1 46.9 70.3



#5
Bromomethane
Concen: Below Cal
RT: 2.650 min Scan# 136
Delta R.T. 0.006 min
Lab File: VY010323.D
Acq: 03 Sep 2022 16:22

Tgt Ion: 94 Resp: 597
Ion Ratio Lower Upper
94 100
96 30.7 73.5 110.3#

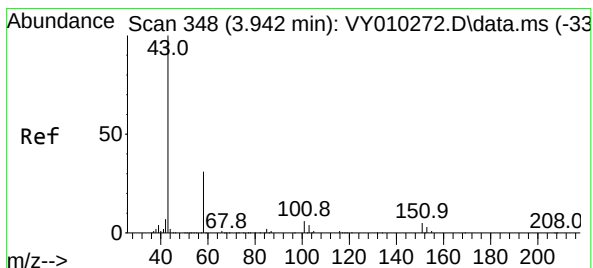
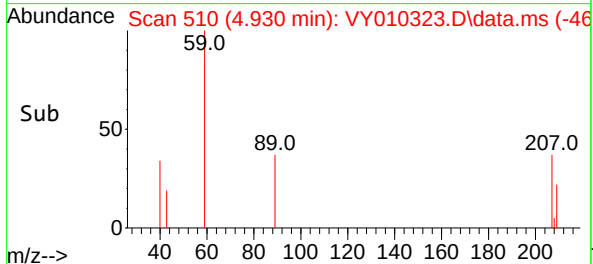
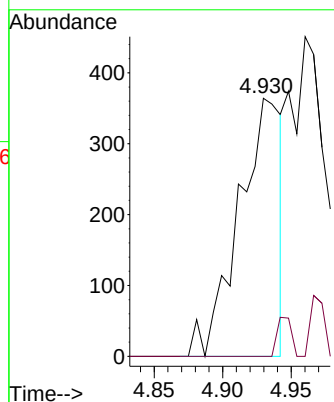
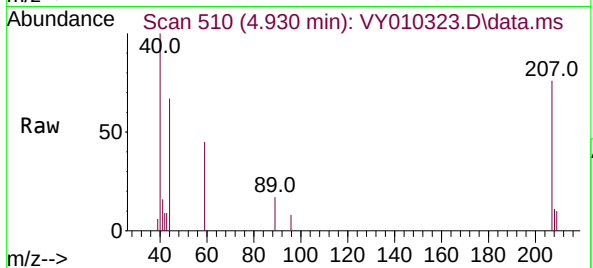




#11
Tert butyl alcohol
Concen: 2.444 ug/l
RT: 4.930 min Scan# 513
Delta R.T. -0.018 min
Lab File: VY010323.D
Acq: 03 Sep 2022 16:22

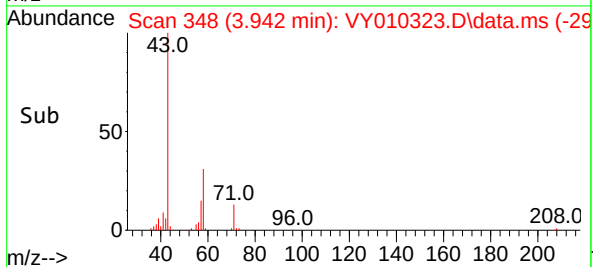
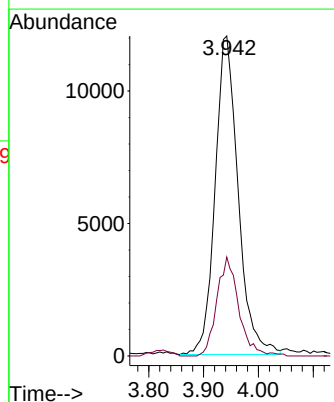
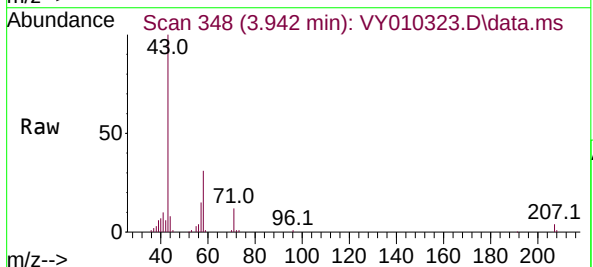
Instrument :
MSVOA_Y
ClientSampleId :
KTS2-MH-02-14-15

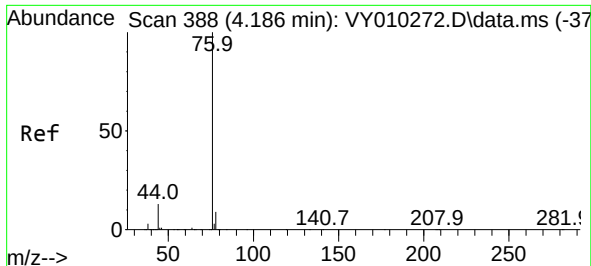
Tgt Ion: 59 Resp: 780
Ion Ratio Lower Upper
59 100
57 5.1 6.4 9.6#



#16
Acetone
Concen: 52.625 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY010323.D
Acq: 03 Sep 2022 16:22

Tgt Ion: 43 Resp: 35092
Ion Ratio Lower Upper
43 100
58 31.0 22.0 33.0

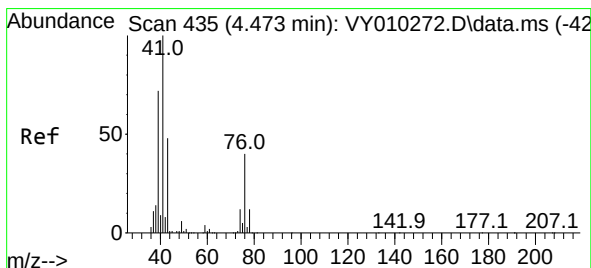
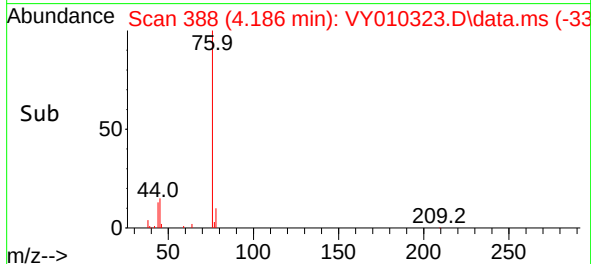
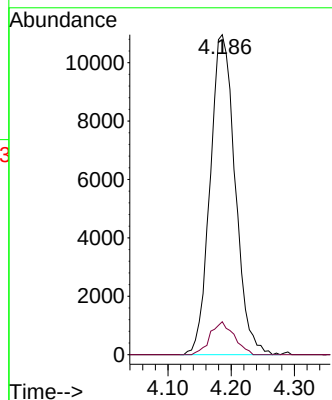
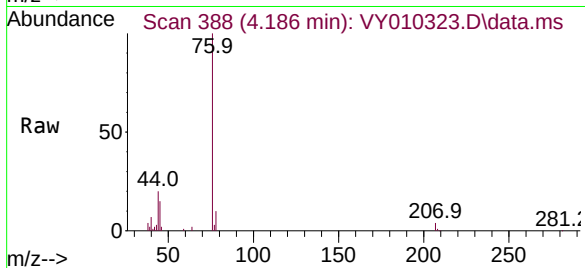




#17
Carbon Disulfide
Concen: 3.822 ug/l
RT: 4.186 min Scan# 388
Delta R.T. -0.000 min
Lab File: VY010323.D
Acq: 03 Sep 2022 16:22

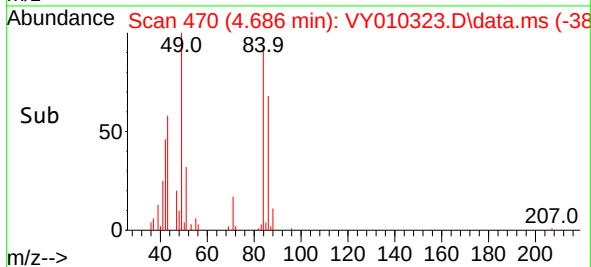
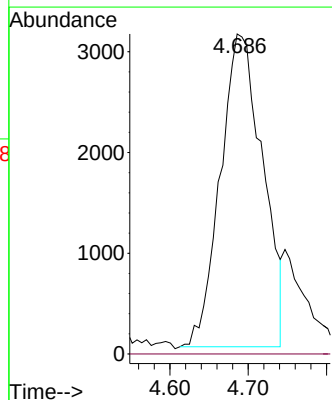
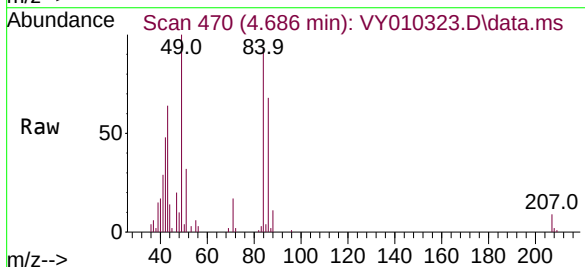
Instrument :
MSVOA_Y
ClientSampleId :
KTS2-MH-02-14-15

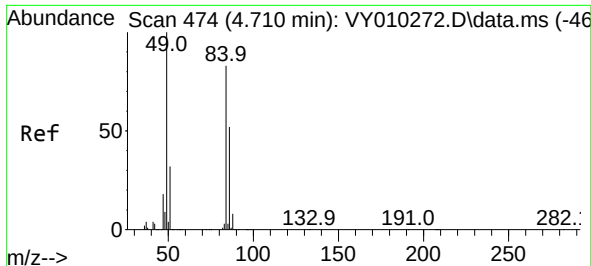
Tgt Ion: 76 Resp: 30152
Ion Ratio Lower Upper
76 100
78 10.3 7.4 11.0



#18
Methyl Acetate
Concen: 5.636 ug/l
RT: 4.686 min Scan# 470
Delta R.T. 0.213 min
Lab File: VY010323.D
Acq: 03 Sep 2022 16:22

Tgt Ion: 43 Resp: 11664
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

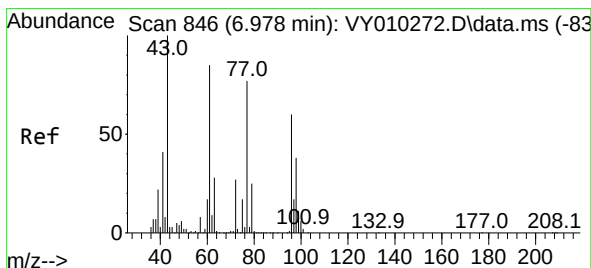
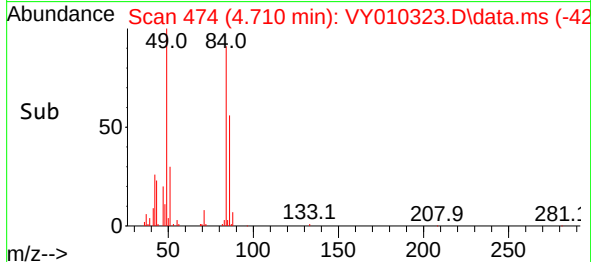
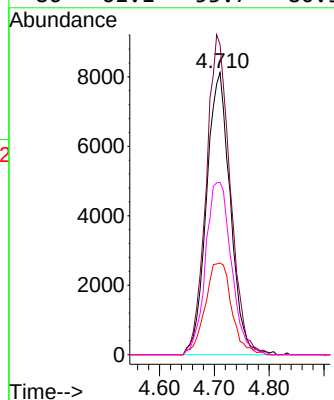
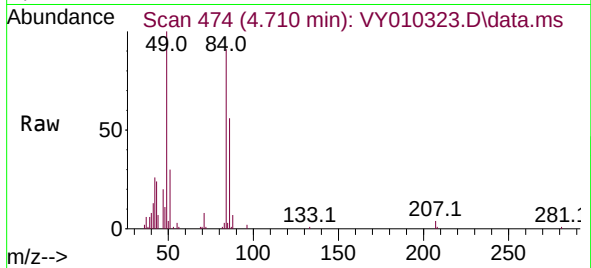




#20
Methylene Chloride
Concen: 7.611 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010323.D
Acq: 03 Sep 2022 16:22

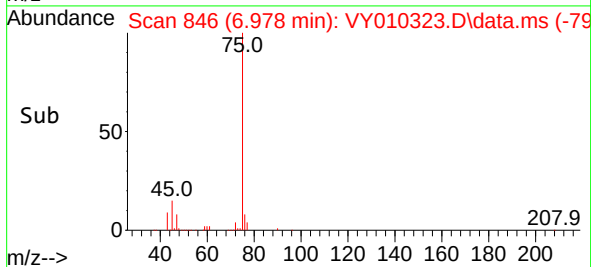
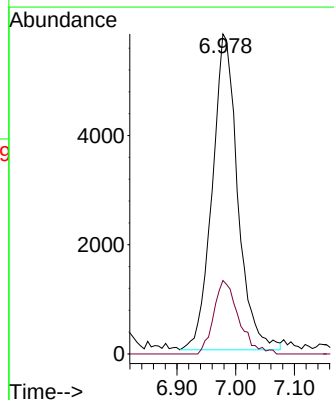
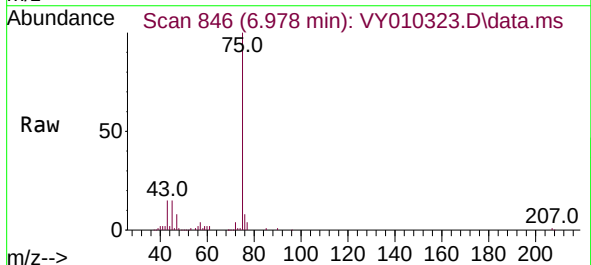
Instrument :
MSVOA_Y
ClientSampleId :
KTS2-MH-02-14-15

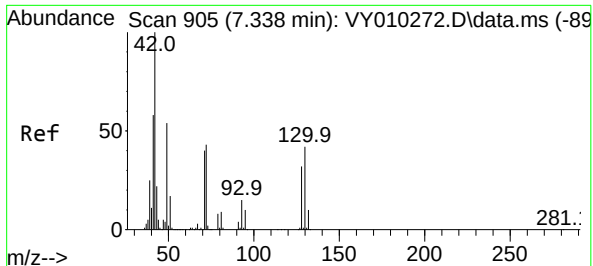
Tgt Ion: 84 Resp: 24491
Ion Ratio Lower Upper
84 100
49 109.9 114.4 171.6#
51 32.5 35.3 52.9#
86 61.1 53.7 80.5



#25
2-Butanone
Concen: 15.955 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY010323.D
Acq: 03 Sep 2022 16:22

Tgt Ion: 43 Resp: 17461
Ion Ratio Lower Upper
43 100
72 23.3 17.7 26.5





#29

Tetrahydrofuran

Concen: 1.331 ug/l

RT: 7.344 min Scan# 905

Delta R.T. 0.006 min

Lab File: VY010323.D

Acq: 03 Sep 2022 16:22

Instrument :

MSVOA_Y

ClientSampleId :

KTS2-MH-02-14-15

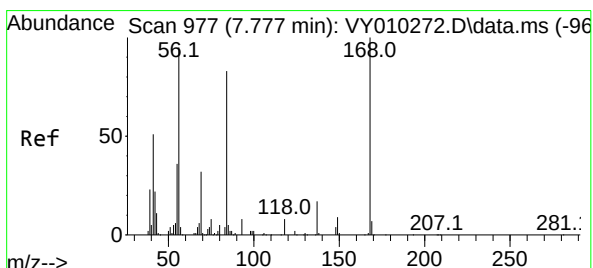
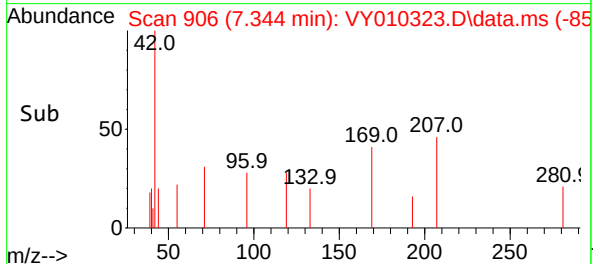
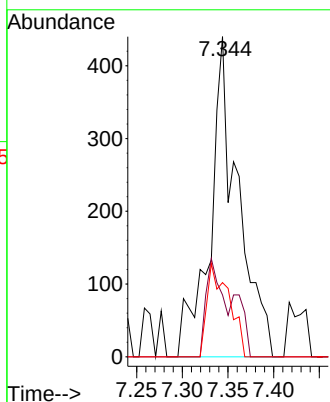
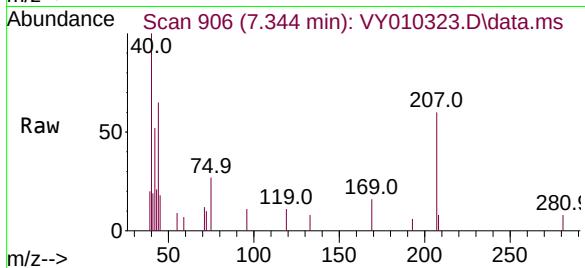
Tgt Ion: 42 Resp: 933

Ion Ratio Lower Upper

42 100

72 18.2 30.3 45.5#

71 22.9 29.0 43.4#



#31

Cyclohexane

Concen: 1.367 ug/l

RT: 7.783 min Scan# 978

Delta R.T. 0.006 min

Lab File: VY010323.D

Acq: 03 Sep 2022 16:22

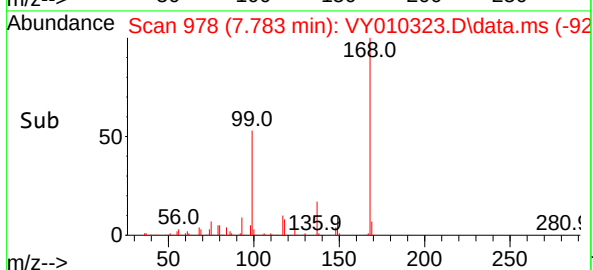
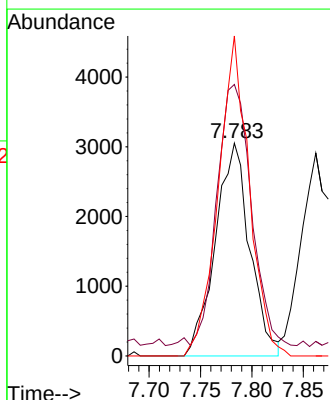
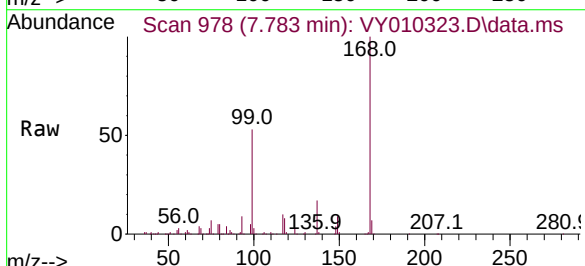
Tgt Ion: 56 Resp: 7112

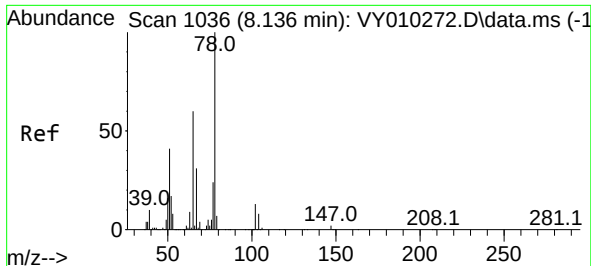
Ion Ratio Lower Upper

56 100

69 121.2 26.7 40.1#

84 150.4 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 49.930 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY010323.D

Acq: 03 Sep 2022 16:22

Instrument :

MSVOA_Y

ClientSampleId :

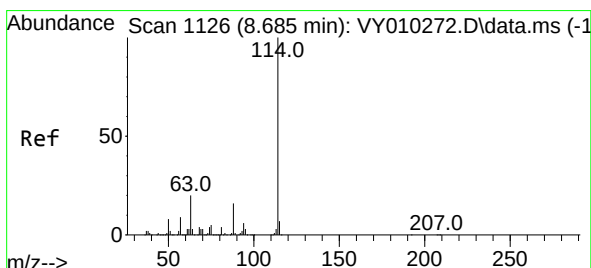
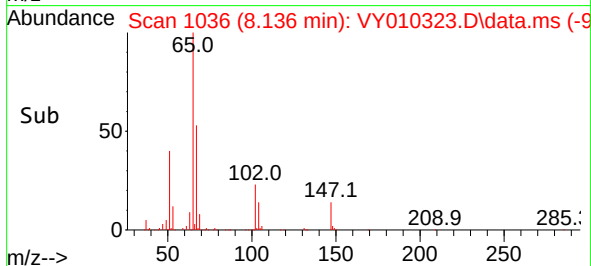
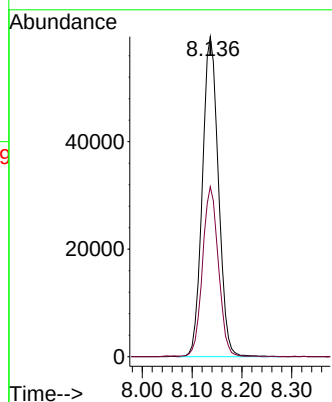
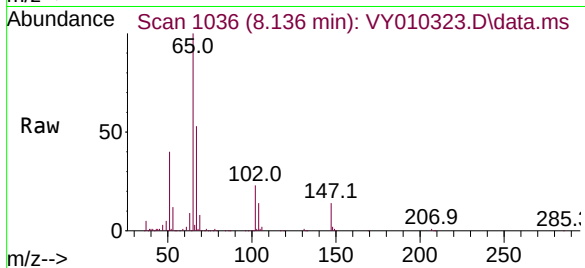
KTS2-MH-02-14-15

Tgt Ion: 65 Resp: 133186

Ion Ratio Lower Upper

65 100

67 51.8 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010323.D

Acq: 03 Sep 2022 16:22

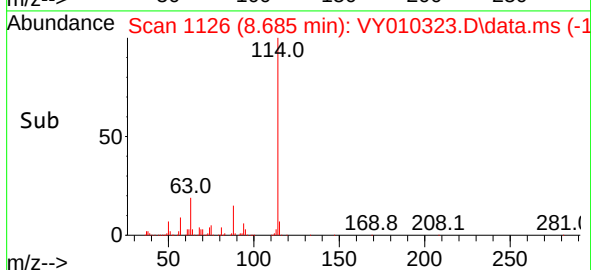
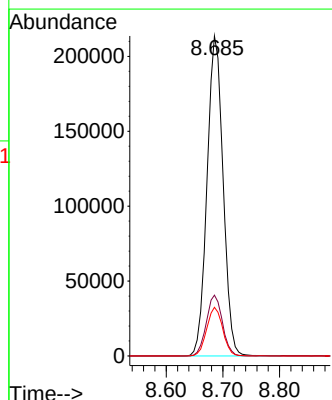
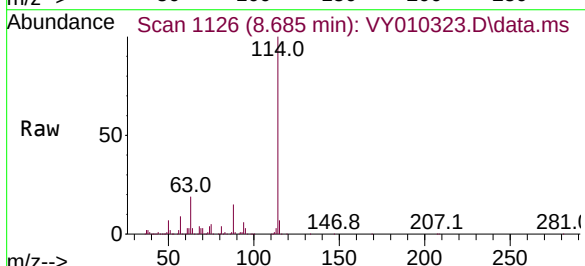
Tgt Ion:114 Resp: 419627

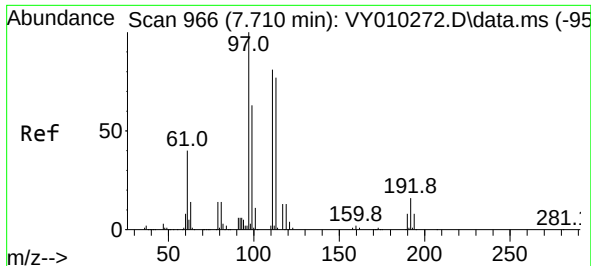
Ion Ratio Lower Upper

114 100

63 19.0 0.0 43.2

88 15.2 0.0 31.8

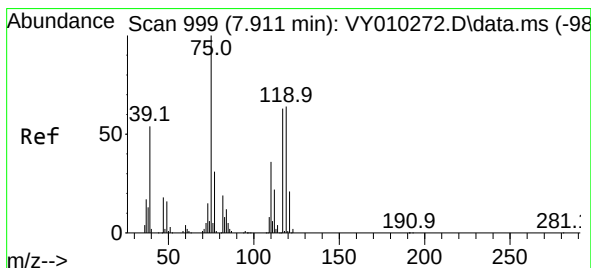
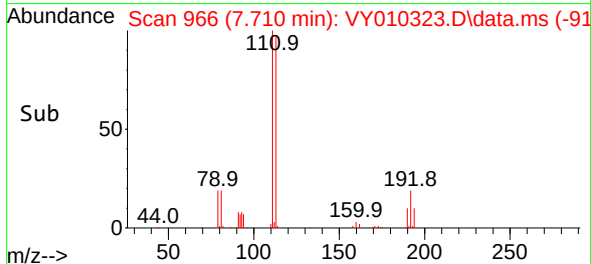
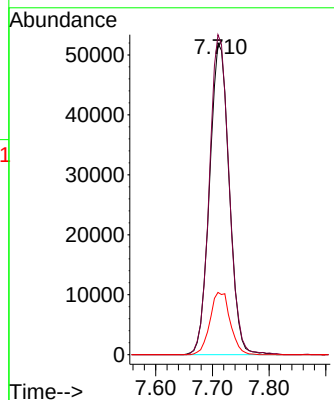
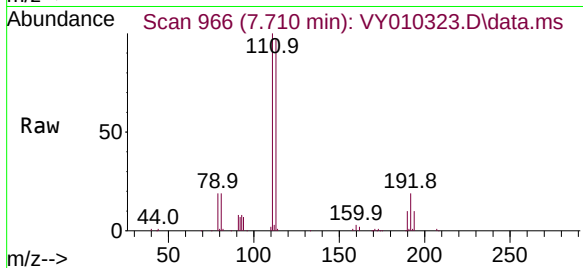




#35
Dibromofluoromethane
Concen: 44.692 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY010323.D
Acq: 03 Sep 2022 16:22

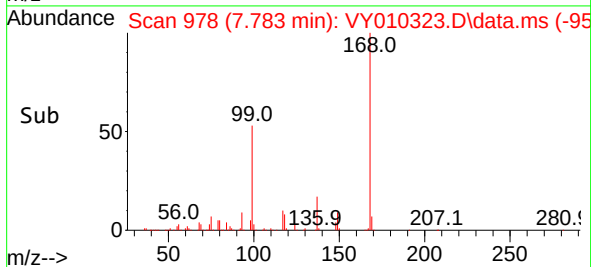
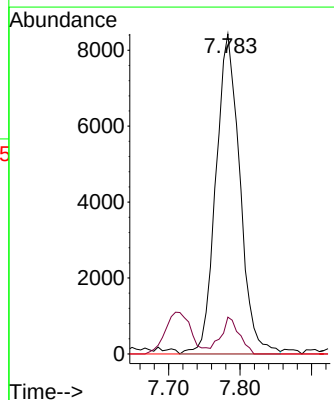
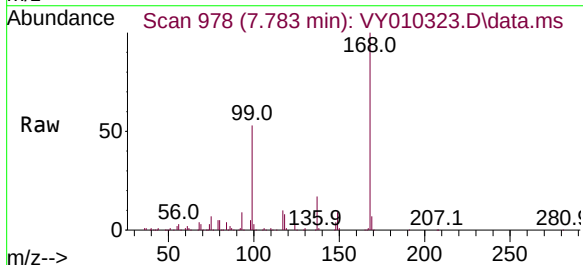
Instrument :
MSVOA_Y
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KTS2-MH-02-14-15

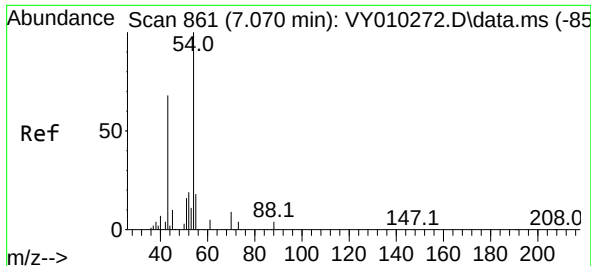
Tgt Ion:113 Resp: 124849
Ion Ratio Lower Upper
113 100
111 102.7 82.6 124.0
192 20.6 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.792 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010323.D
Acq: 03 Sep 2022 16:22

Tgt Ion: 75 Resp: 19641
Ion Ratio Lower Upper
75 100
110 8.6 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 7.430 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.092 min

Lab File: VY010323.D

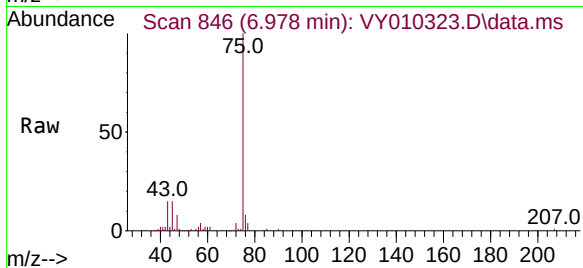
Acq: 03 Sep 2022 16:22

Instrument :

MSVOA_Y

ClientSampleId :

KTS2-MH-02-14-15



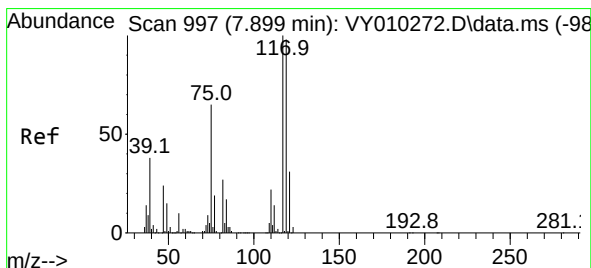
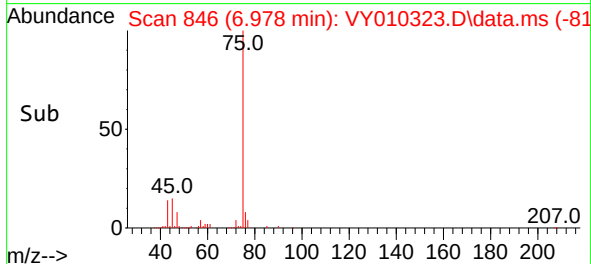
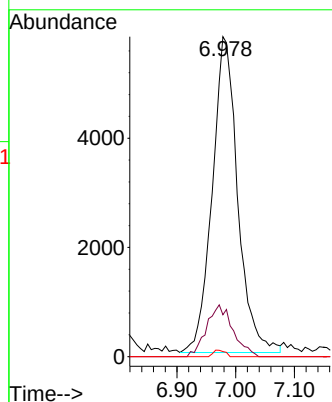
Tgt Ion: 43 Resp: 17461

Ion Ratio Lower Upper

43 100

61 16.9 9.7 14.5#

70 1.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.862 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY010323.D

Acq: 03 Sep 2022 16:22

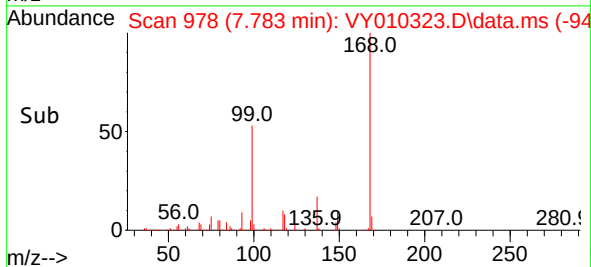
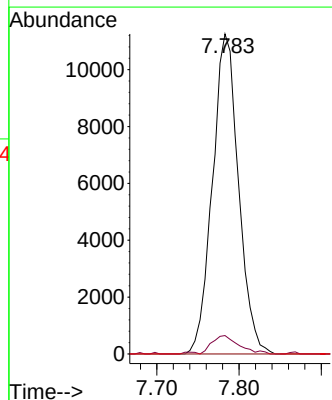
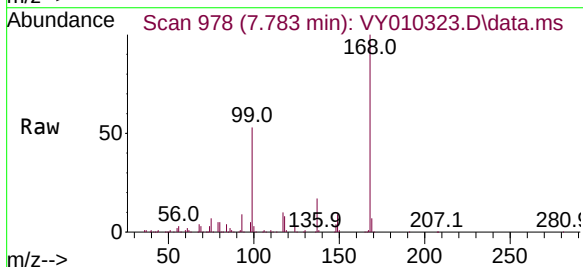
Tgt Ion: 117 Resp: 24760

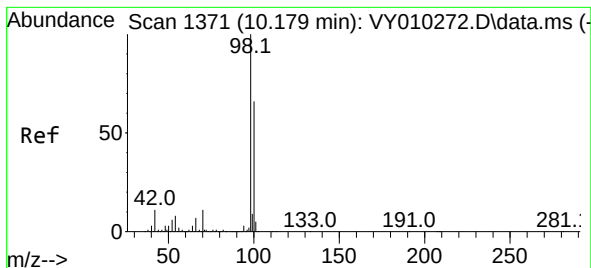
Ion Ratio Lower Upper

117 100

119 5.7 77.9 116.9#

121 0.0 24.8 37.2#

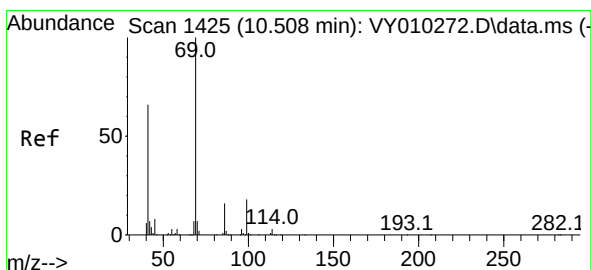
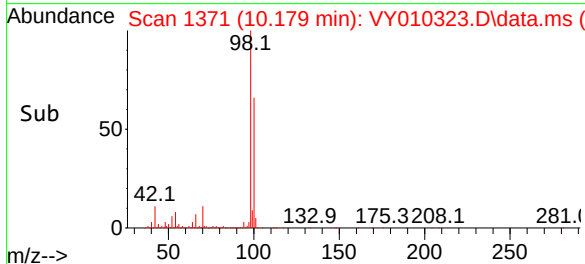
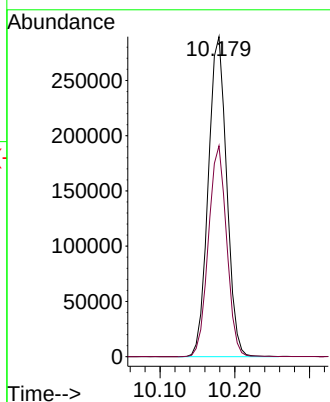
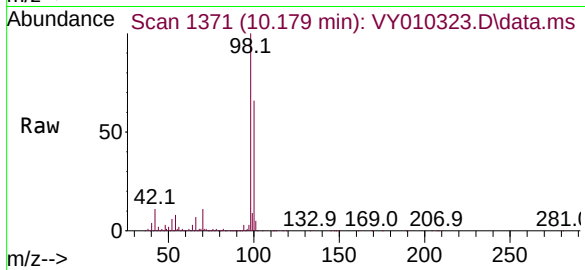




#50
Toluene-d8
Concen: 52.915 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010323.D
Acq: 03 Sep 2022 16:22

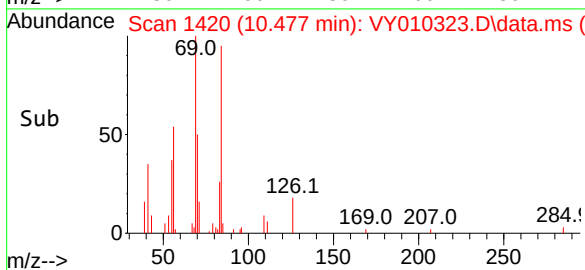
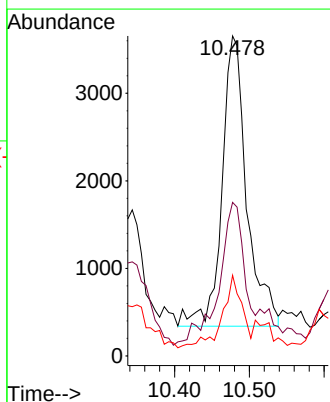
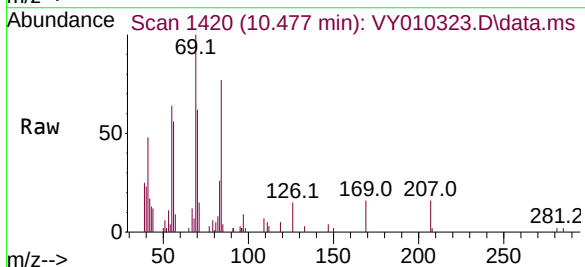
Instrument :
MSVOA_Y
ClientSampleId :
KTS2-MH-02-14-15

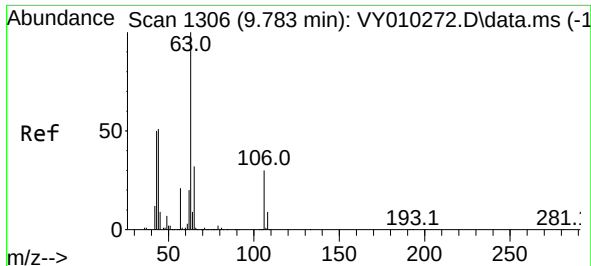
Tgt Ion: 98 Resp: 494906
Ion Ratio Lower Upper
98 100
100 65.3 50.2 75.2



#56
Ethyl methacrylate
Concen: 2.223 ug/l
RT: 10.477 min Scan# 1420
Delta R.T. -0.030 min
Lab File: VY010323.D
Acq: 03 Sep 2022 16:22

Tgt Ion: 69 Resp: 7657
Ion Ratio Lower Upper
69 100
41 50.9 63.4 95.0#
39 19.9 35.8 53.8#





#58

2-Chloroethyl Vinyl ether

Concen: Below Cal

RT: 9.941 min Scan# 11

Delta R.T. 0.158 min

Lab File: VY010323.D

Acq: 03 Sep 2022 16:22

Instrument :

MSVOA_Y

ClientSampleId :

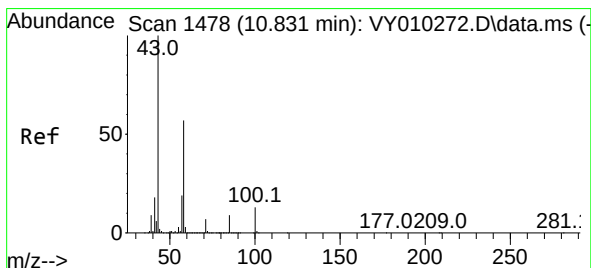
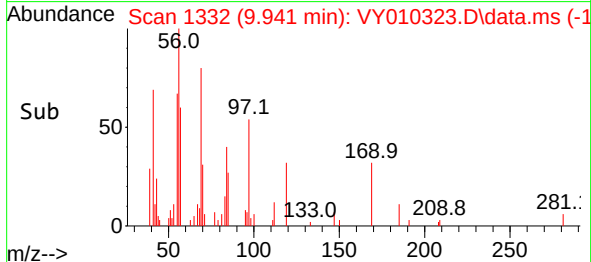
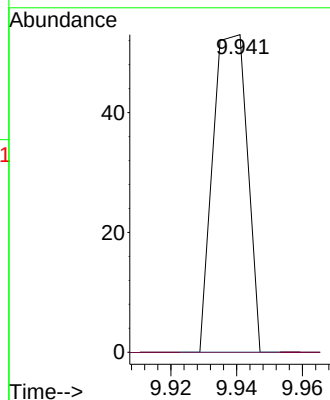
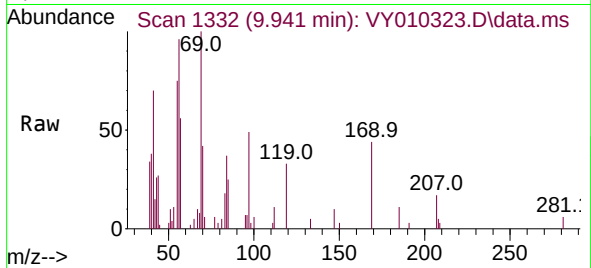
KTS2-MH-02-14-15

Tgt Ion: 63 Resp: 38

Ion Ratio Lower Upper

63 100

106 0.0 21.5 32.3#



#59

2-Hexanone

Concen: 2.085 ug/l

RT: 10.795 min Scan# 1472

Delta R.T. -0.036 min

Lab File: VY010323.D

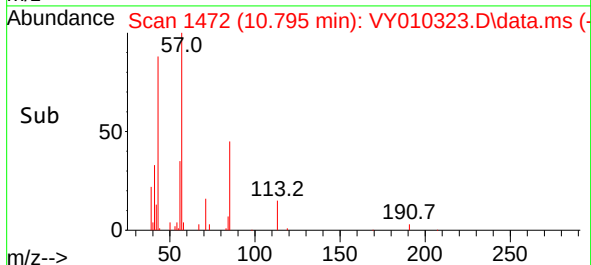
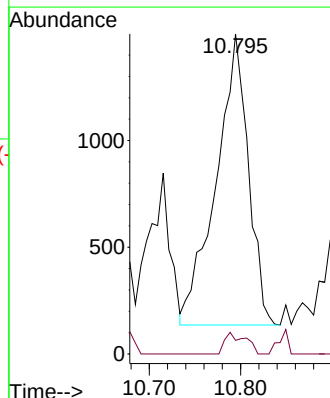
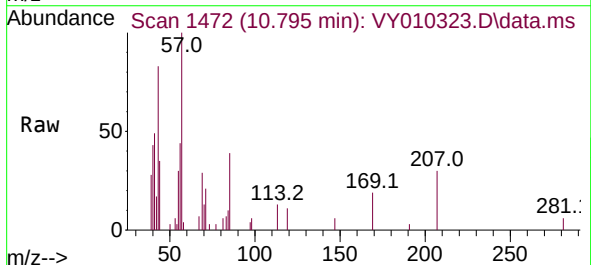
Acq: 03 Sep 2022 16:22

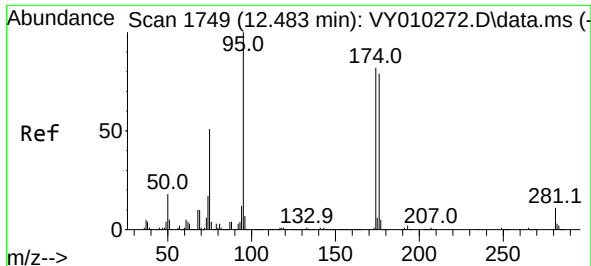
Tgt Ion: 43 Resp: 3342

Ion Ratio Lower Upper

43 100

58 4.7 24.4 73.4#

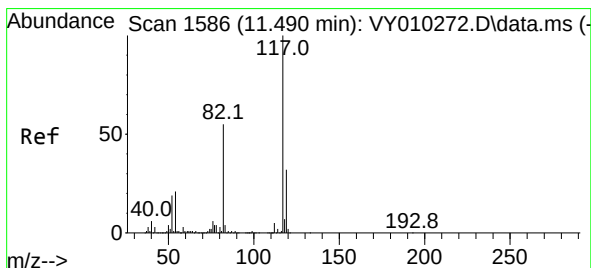
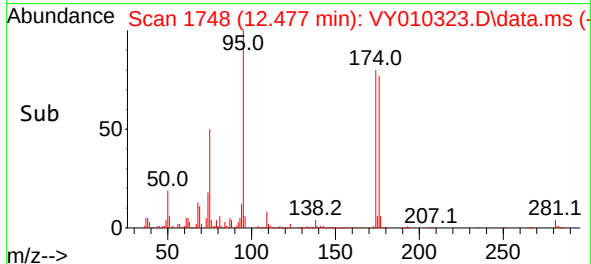
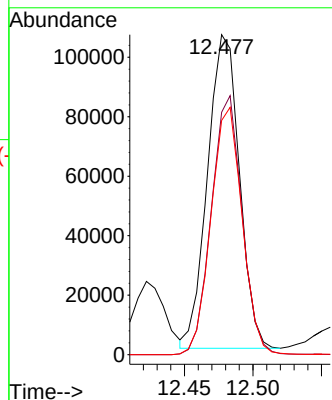
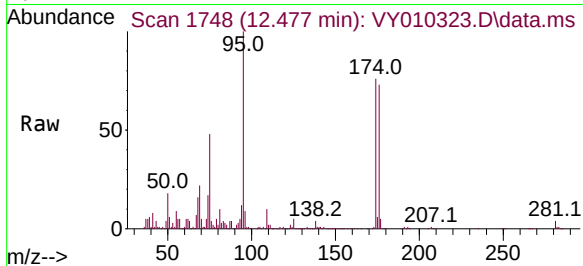




#62
4-Bromofluorobenzene
Concen: 44.870 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY010323.D
Acq: 03 Sep 2022 16:22

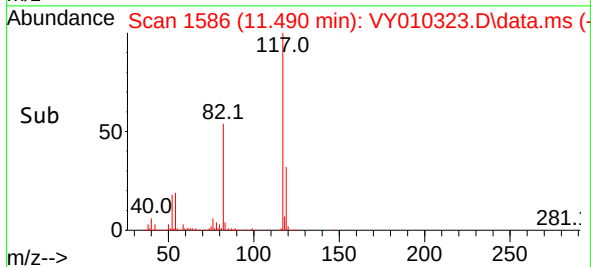
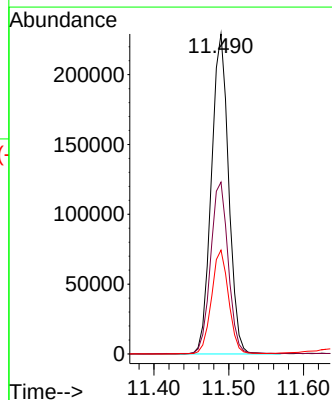
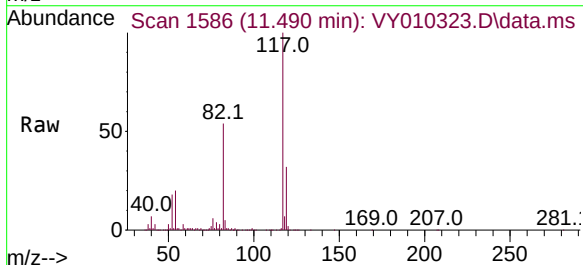
Instrument :
MSVOA_Y
ClientSampleId :
KTS2-MH-02-14-15

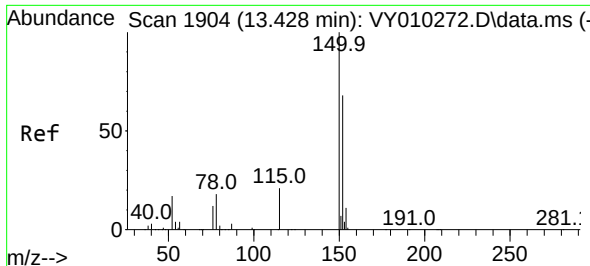
Tgt Ion: 95 Resp: 170493
Ion Ratio Lower Upper
95 100
174 79.5 0.0 177.0
176 77.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY010323.D
Acq: 03 Sep 2022 16:22

Tgt Ion: 117 Resp: 367835
Ion Ratio Lower Upper
117 100
82 53.6 43.0 64.4
119 32.4 25.4 38.0

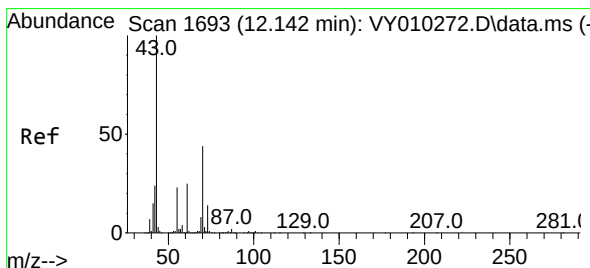
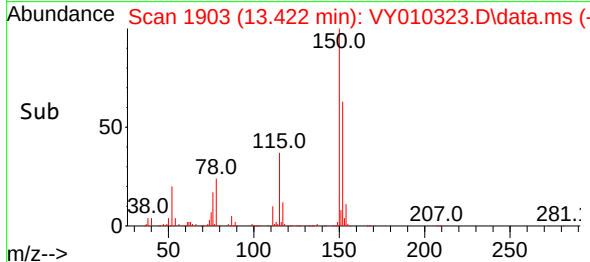
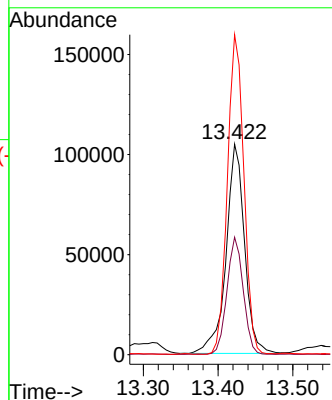
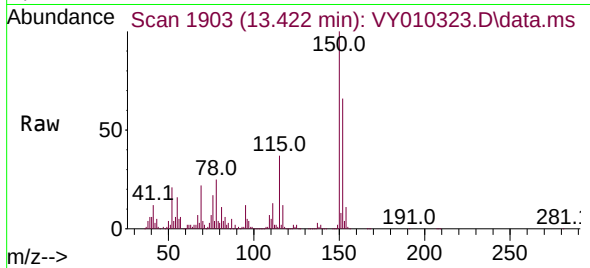




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY010323.D
Acq: 03 Sep 2022 16:22

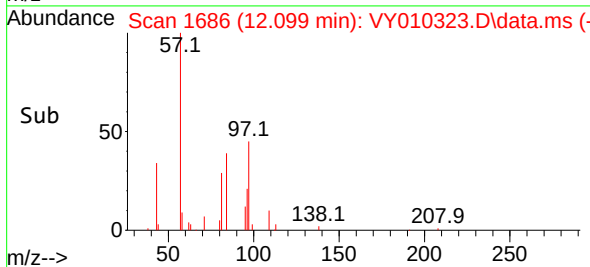
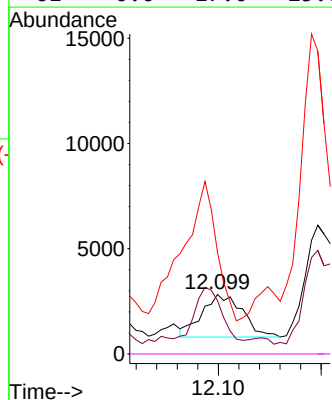
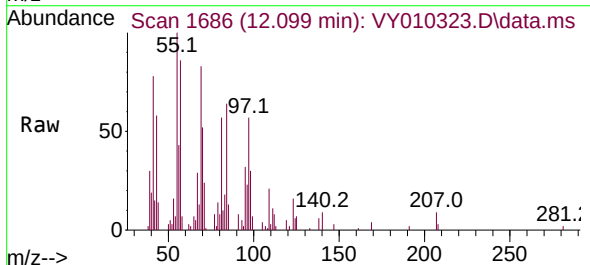
Instrument :
MSVOA_Y
ClientSampleId :
KTS2-MH-02-14-15

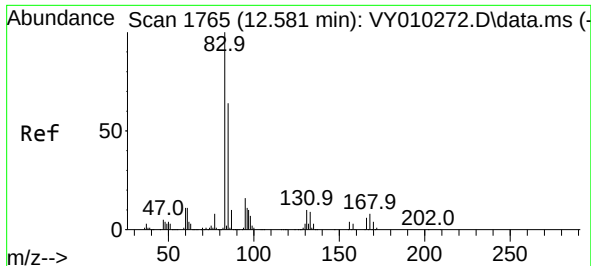
Tgt Ion:152 Resp: 180331
Ion Ratio Lower Upper
152 100
115 49.2 28.2 84.7
150 136.0 0.0 347.6



#74
N-ethyl acetate
Concen: 1.385 ug/l
RT: 12.099 min Scan# 1686
Delta R.T. -0.043 min
Lab File: VY010323.D
Acq: 03 Sep 2022 16:22

Tgt Ion: 43 Resp: 5499
Ion Ratio Lower Upper
43 100
70 98.7 28.7 43.1#
55 279.5 17.3 25.9#
61 0.0 17.0 25.6#

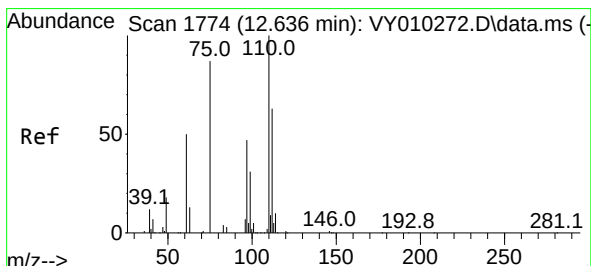
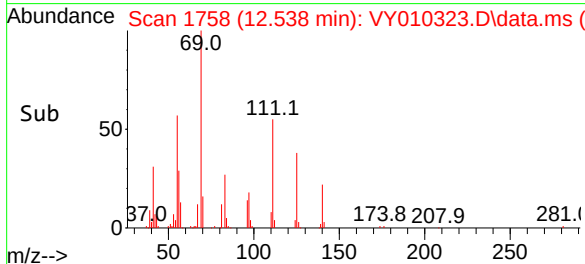
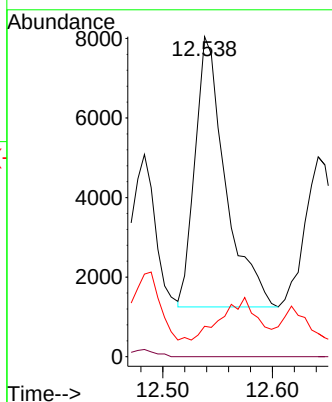
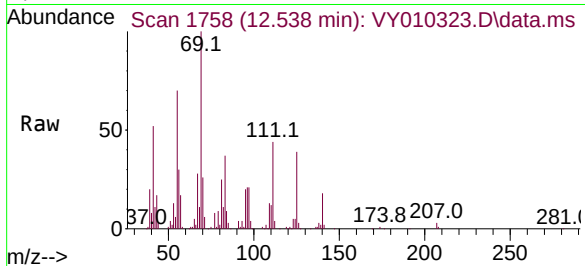




#75
1,1,2,2-Tetrachloroethane
Concen: 4.741 ug/l
RT: 12.538 min Scan# 1758
Delta R.T. -0.043 min
Lab File: VY010323.D
Acq: 03 Sep 2022 16:22

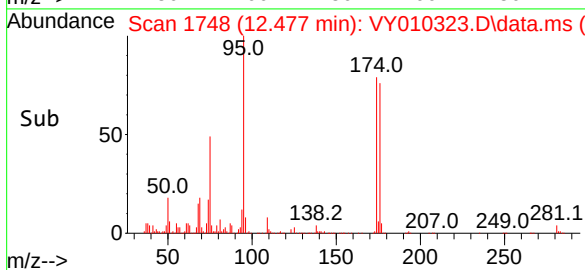
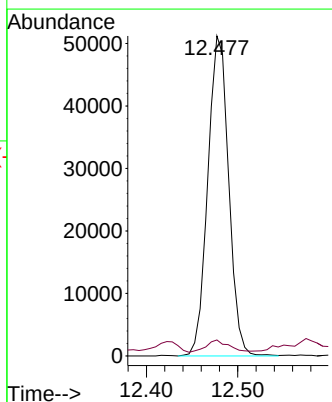
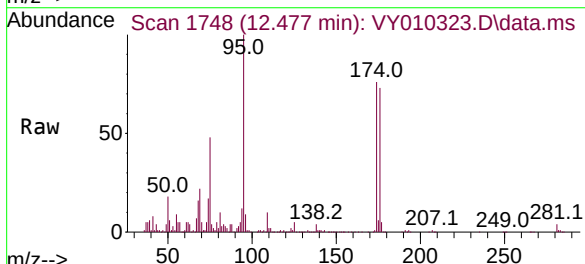
Instrument :
MSVOA_Y
ClientSampleId :
KTS2-MH-02-14-15

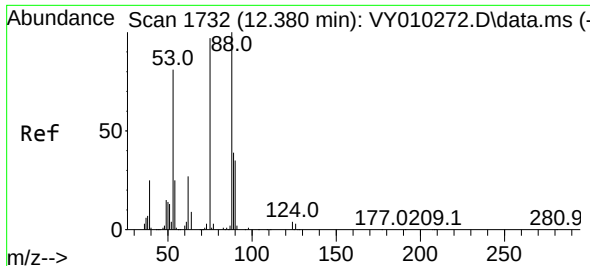
Tgt Ion: 83 Resp: 13108
Ion Ratio Lower Upper
83 100
131 0.0 5.6 16.8#
85 0.0 32.3 96.8#



#76
1,2,3-Trichloropropane
Concen: 37.832 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY010323.D
Acq: 03 Sep 2022 16:22

Tgt Ion: 75 Resp: 81189
Ion Ratio Lower Upper
75 100
77 4.1 0.0 0.0#

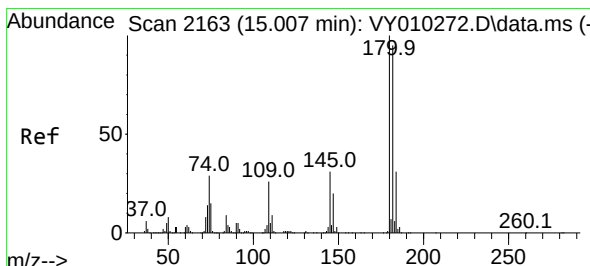
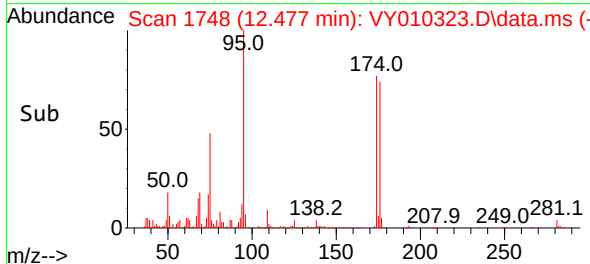
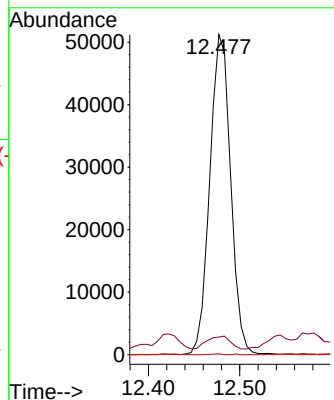
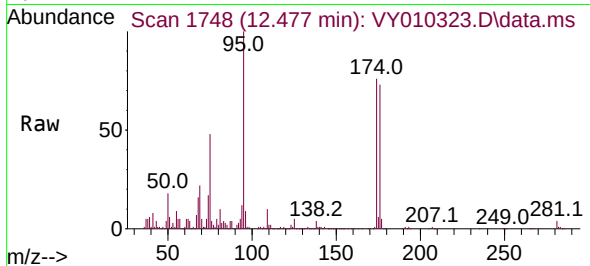




#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.923 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. 0.097 min
 Lab File: VY010323.D
 Acq: 03 Sep 2022 16:22

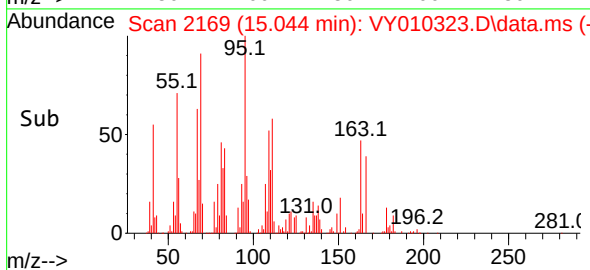
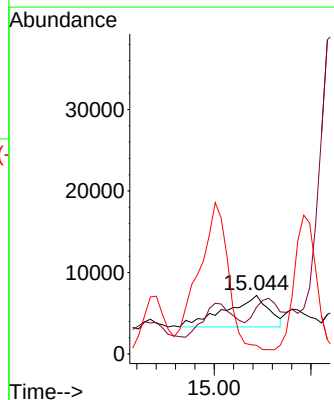
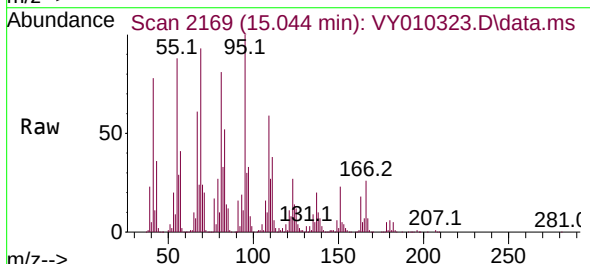
Instrument :
 MSVOA_Y
 ClientSampleId :
 KTS2-MH-02-14-15

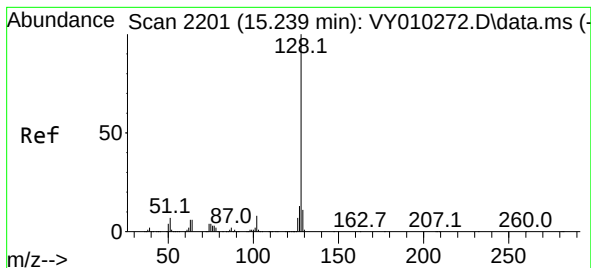
Tgt Ion: 75 Resp: 81189
 Ion Ratio Lower Upper
 75 100
 53 4.4 85.3 127.9#
 89 0.1 37.0 55.4#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.416 ug/l
 RT: 15.044 min Scan# 2169
 Delta R.T. 0.037 min
 Lab File: VY010323.D
 Acq: 03 Sep 2022 16:22

Tgt Ion: 180 Resp: 11976
 Ion Ratio Lower Upper
 180 100
 182 68.9 47.3 141.9
 145 0.0 14.6 43.8#





#95

Naphthalene

Concen: 1.143 ug/l

RT: 15.208 min Scan# 2196

Delta R.T. -0.031 min

Lab File: VY010323.D

Acq: 03 Sep 2022 16:22

Instrument :

MSVOA_Y

ClientSampleId :

KTS2-MH-02-14-15

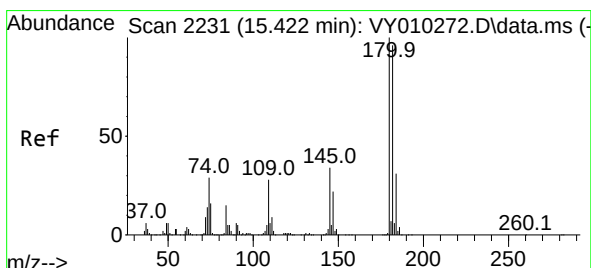
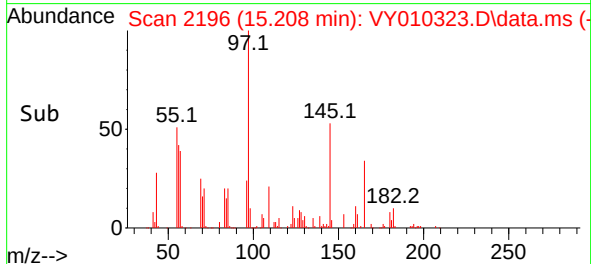
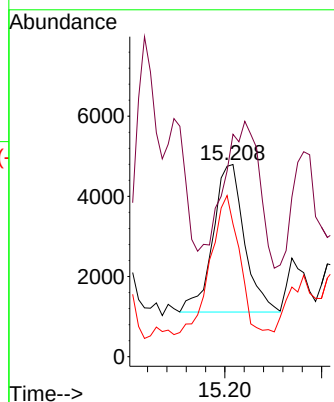
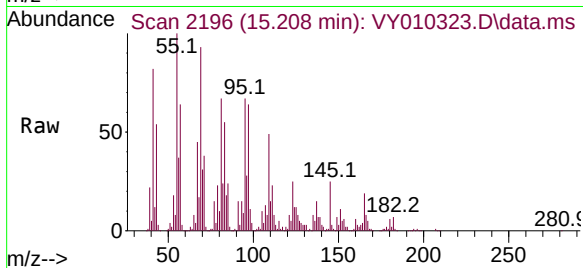
Tgt Ion:128 Resp: 8314

Ion Ratio Lower Upper

128 100

127 107.7 11.0 16.4#

129 85.9 8.4 12.6#



#96

1,2,3-Trichlorobenzene

Concen: 5.080 ug/l

RT: 15.446 min Scan# 2235

Delta R.T. 0.024 min

Lab File: VY010323.D

Acq: 03 Sep 2022 16:22

Tgt Ion:180 Resp: 15083

Ion Ratio Lower Upper

180 100

182 0.0 47.3 141.9#

145 57.1 15.3 45.9#

