

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090322\
 Data File : VY010322.D
 Acq On : 03 Sep 2022 15:58
 Operator : KP/MD
 Sample : N4419-07
 Misc : 3.81g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 KTS2-MH-01-16-17

Quant Time: Sep 05 04:20:32 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)

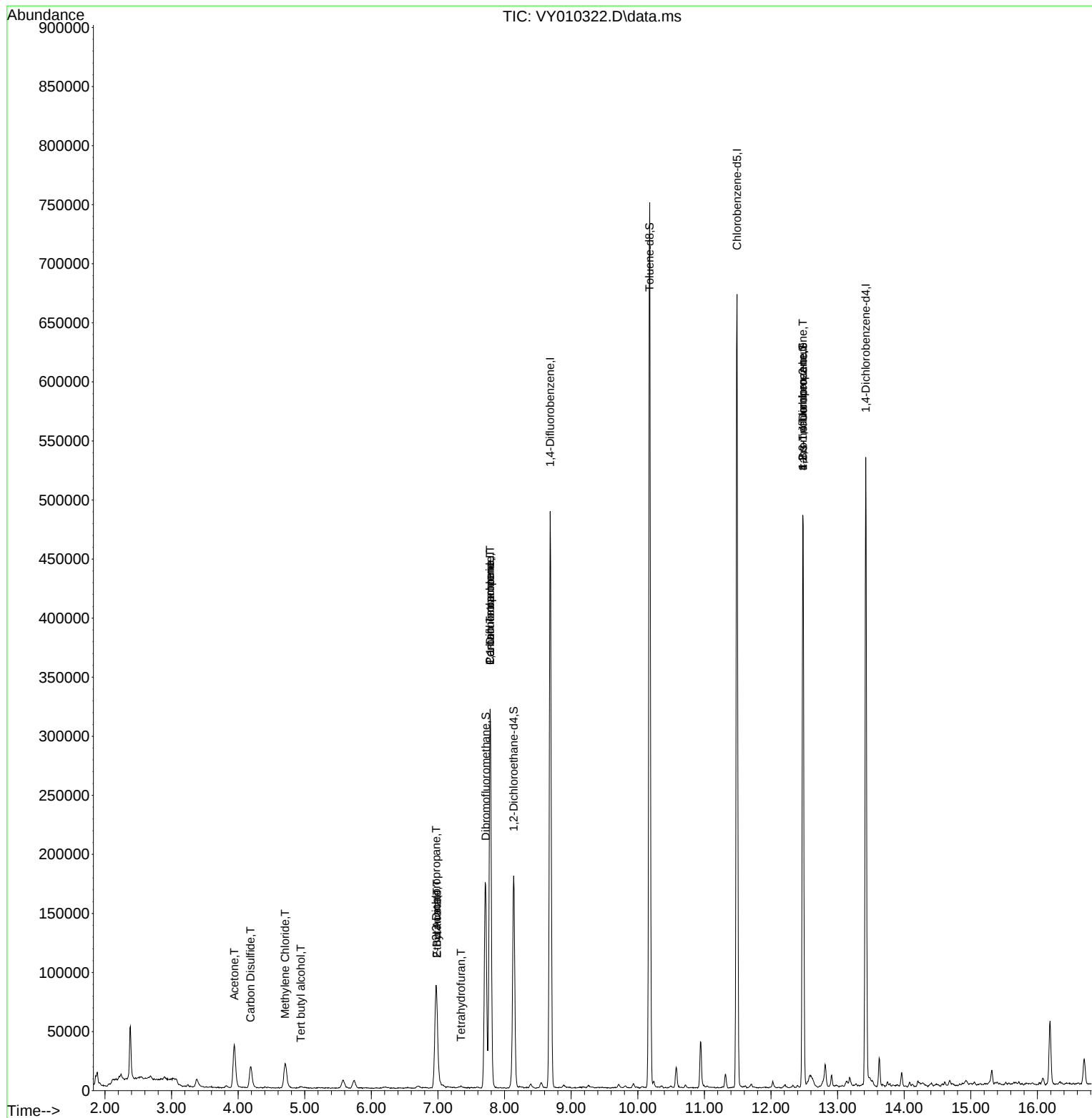
Internal Standards						
1) Pentafluorobenzene	7.783	168	257368	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	418974	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	369554	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	138083	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	136225	51.620	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.240%			
35) Dibromofluoromethane	7.716	113	127216	45.610	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 91.220%			
50) Toluene-d8	10.179	98	490997	52.579	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.160%			
62) 4-Bromofluorobenzene	12.477	95	149617	38.563	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 77.120%			
Target Compounds						
5) Bromomethane	2.656	94	504	Below Cal		83
11) Tert butyl alcohol	4.942	59	1831	5.799 ug/l #		87
16) Acetone	3.942	43	64106	97.171 ug/l		92
17) Carbon Disulfide	4.186	76	31777	4.072 ug/l		99
20) Methylene Chloride	4.704	84	16270	5.110 ug/l #		80
25) 2-Butanone	6.984	43	22948	21.195 ug/l		95
26) 2,2-Dichloropropane	6.972	77	5909	1.229 ug/l #		55
29) Tetrahydrofuran	7.344	42	1001	1.443 ug/l #		80
36) 1,1-Dichloropropene	7.783	75	18725	4.576 ug/l #		51
37) Ethyl Acetate	6.984	43	22948	9.781 ug/l #		84
38) Carbon Tetrachloride	7.783	117	24782	5.876 ug/l #		15
76) 1,2,3-Trichloropropane	12.477	75	75838	46.151 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.477	75	75838	96.277 ug/l #		7

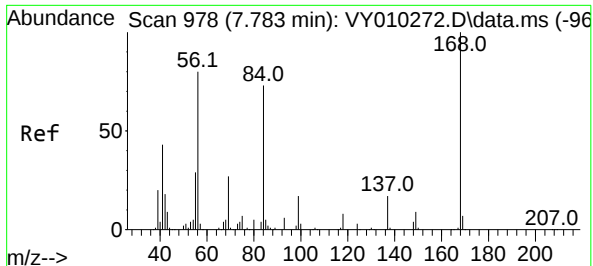
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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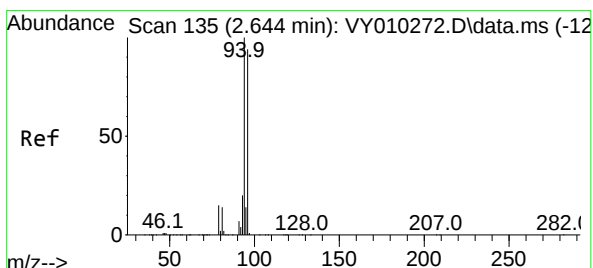
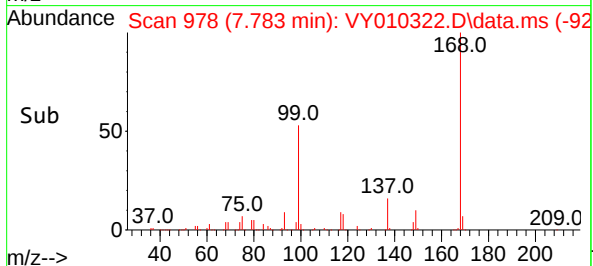
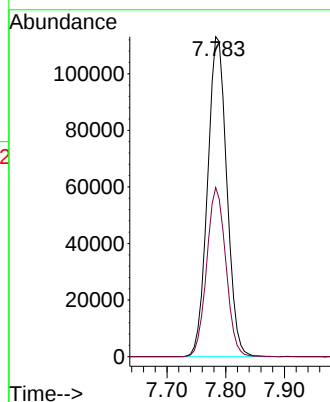
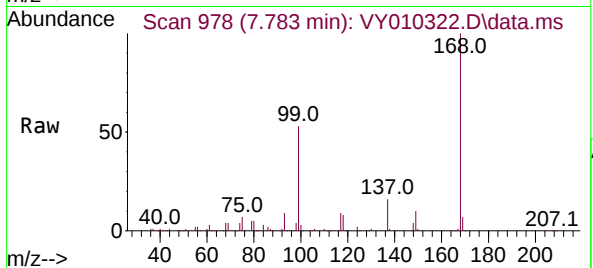




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010322.D
Acq: 03 Sep 2022 15:58

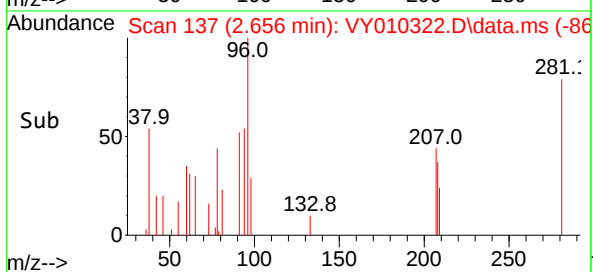
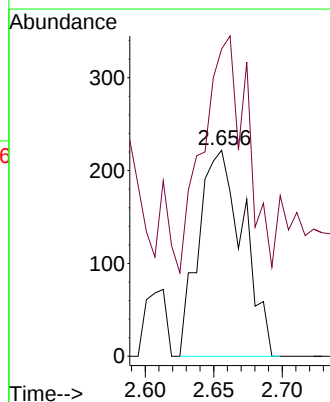
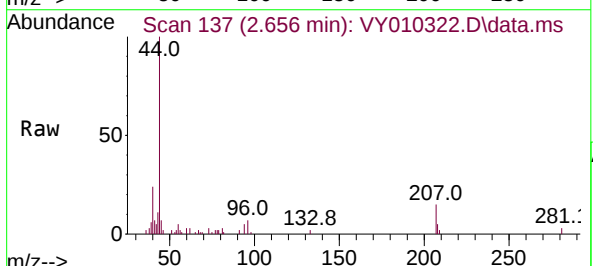
Instrument :
MSVOA_Y
ClientSampleId :
KTS2-MH-01-16-17

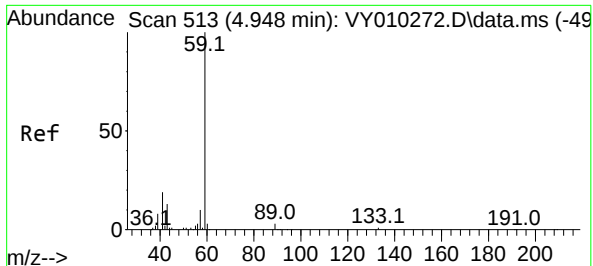
Tgt Ion:168 Resp: 257368
Ion Ratio Lower Upper
168 100
99 52.9 46.9 70.3



#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 137
Delta R.T. 0.012 min
Lab File: VY010322.D
Acq: 03 Sep 2022 15:58

Tgt Ion: 94 Resp: 504
Ion Ratio Lower Upper
94 100
96 108.6 73.5 110.3





#11

Tert butyl alcohol

Concen: 5.799 ug/l

RT: 4.942 min Scan# 513

Delta R.T. -0.006 min

Lab File: VY010322.D

Acq: 03 Sep 2022 15:58

Instrument :

MSVOA_Y

ClientSampleId :

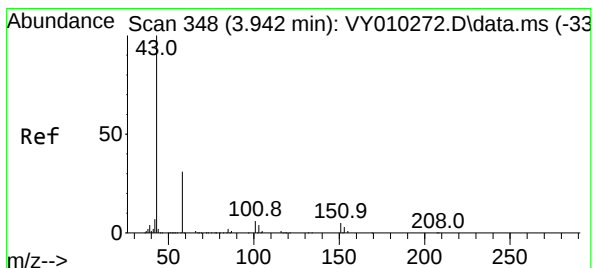
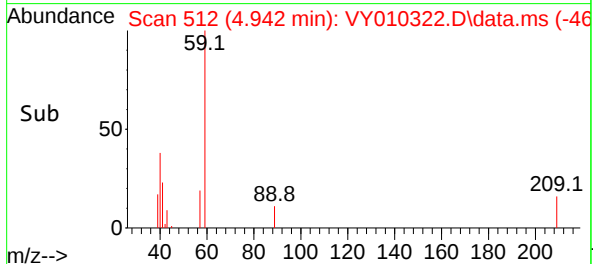
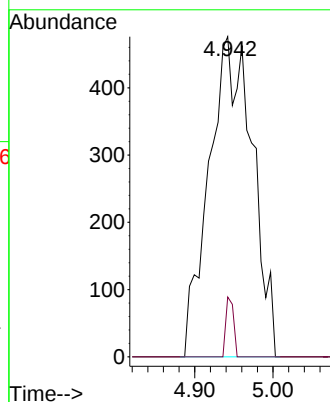
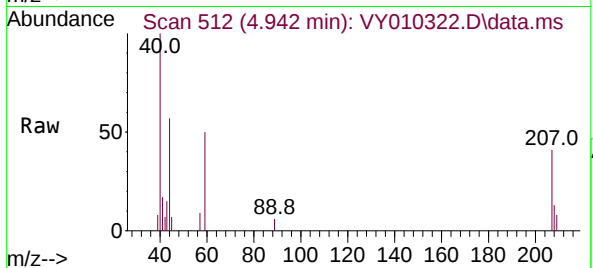
KTS2-MH-01-16-17

Tgt Ion: 59 Resp: 1831

Ion Ratio Lower Upper

59 100

57 3.3 6.4 9.6#



#16

Acetone

Concen: 97.171 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.000 min

Lab File: VY010322.D

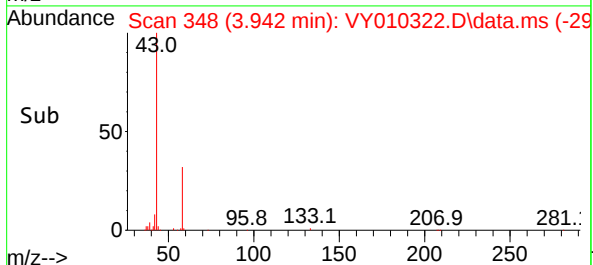
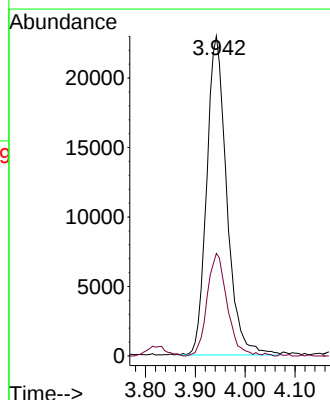
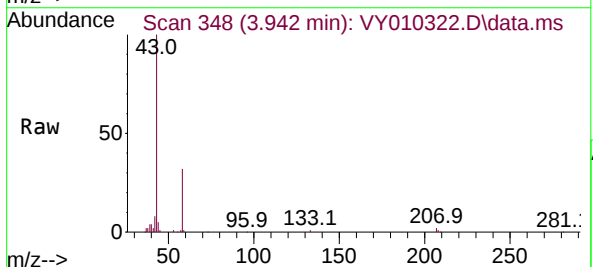
Acq: 03 Sep 2022 15:58

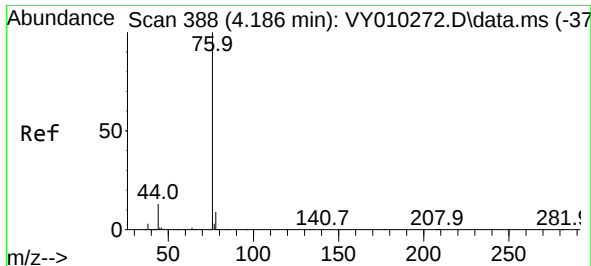
Tgt Ion: 43 Resp: 64106

Ion Ratio Lower Upper

43 100

58 31.7 22.0 33.0

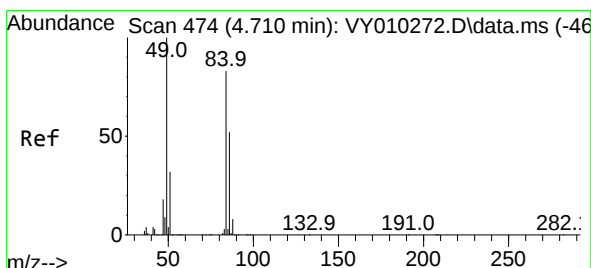
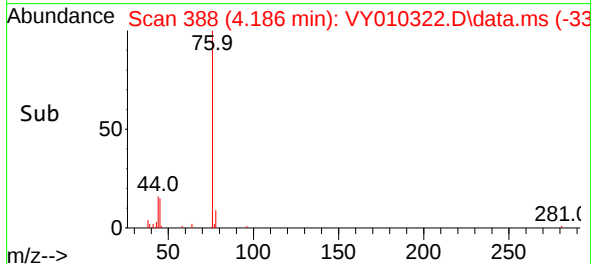
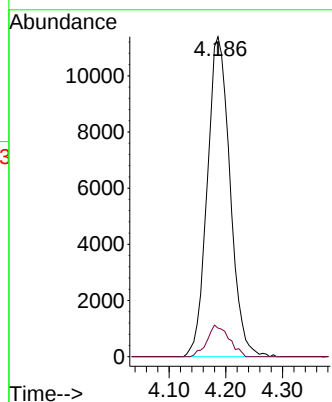
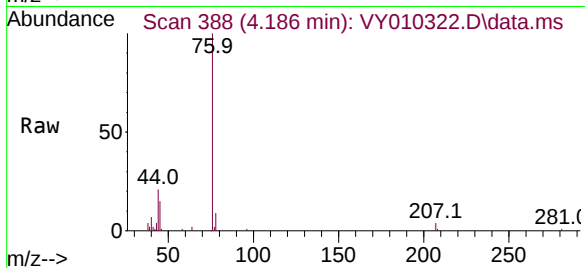




#17
Carbon Disulfide
Concen: 4.072 ug/l
RT: 4.186 min Scan# 317
Delta R.T. 0.000 min
Lab File: VY010322.D
Acq: 03 Sep 2022 15:58

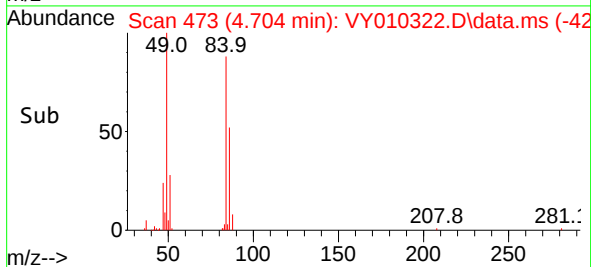
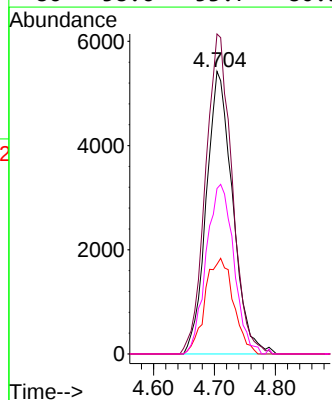
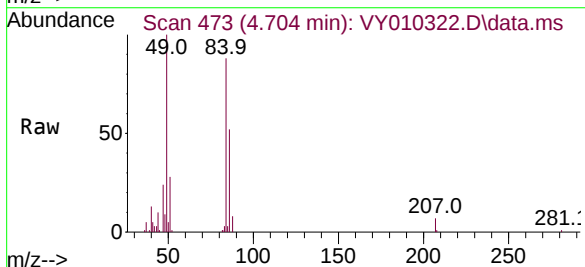
Instrument :
MSVOA_Y
ClientSampleId :
KTS2-MH-01-16-17

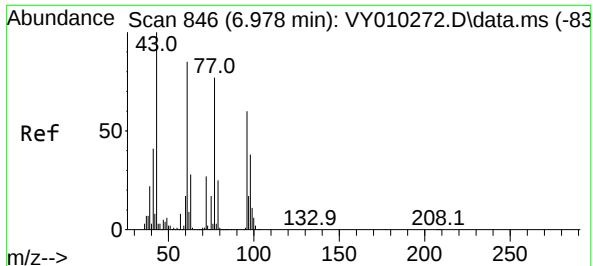
Tgt Ion: 76 Resp: 31777
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0



#20
Methylene Chloride
Concen: 5.110 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY010322.D
Acq: 03 Sep 2022 15:58

Tgt Ion: 84 Resp: 16270
Ion Ratio Lower Upper
84 100
49 113.3 114.4 171.6#
51 31.8 35.3 52.9#
86 58.6 53.7 80.5

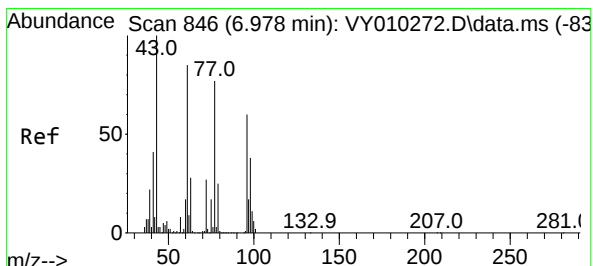
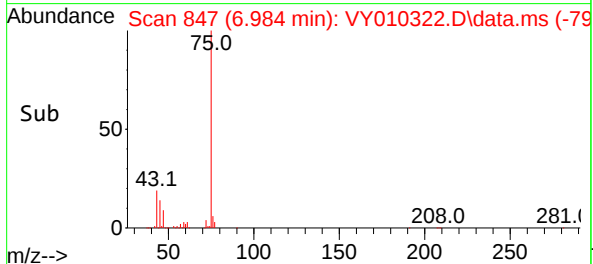
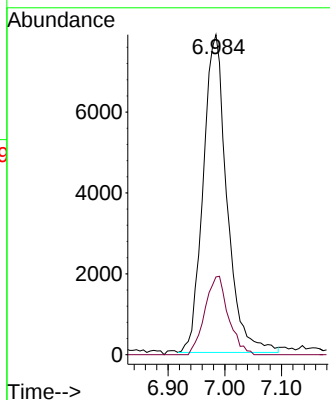
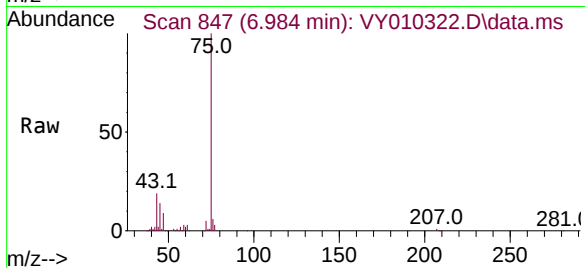




#25
2-Butanone
Concen: 21.195 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY010322.D
Acq: 03 Sep 2022 15:58

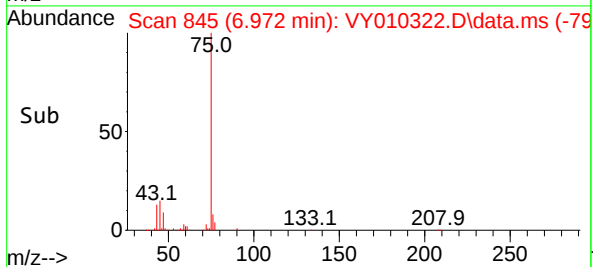
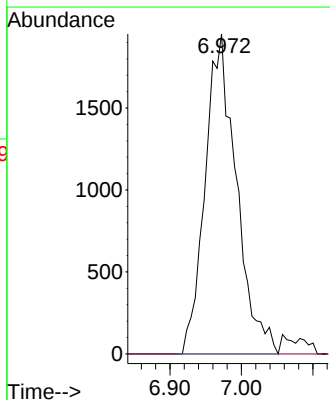
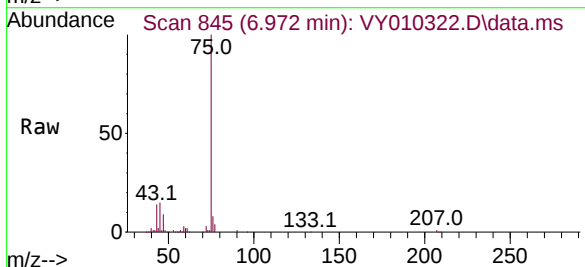
Instrument :
MSVOA_Y
ClientSampleId :
KTS2-MH-01-16-17

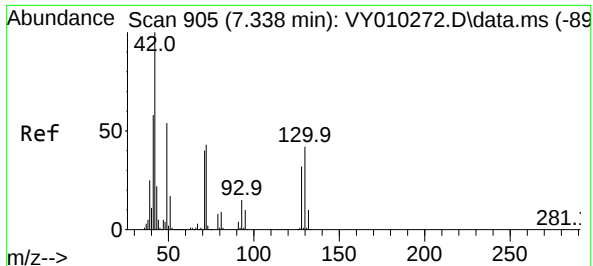
Tgt Ion: 43 Resp: 22948
Ion Ratio Lower Upper
43 100
72 24.5 17.7 26.5



#26
2,2-Dichloropropane
Concen: 1.229 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY010322.D
Acq: 03 Sep 2022 15:58

Tgt Ion: 77 Resp: 5909
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#





#29

Tetrahydrofuran

Concen: 1.443 ug/l

RT: 7.344 min Scan# 905

Delta R.T. 0.006 min

Lab File: VY010322.D

Acq: 03 Sep 2022 15:58

Instrument :

MSVOA_Y

ClientSampleId :

KTS2-MH-01-16-17

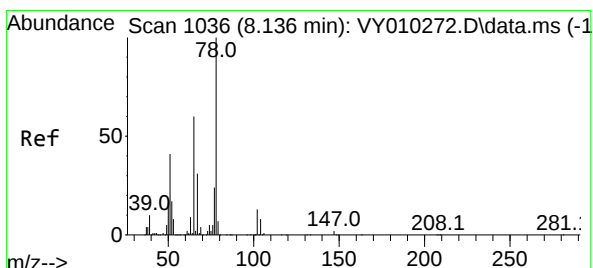
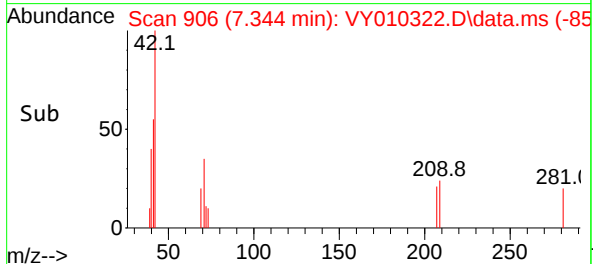
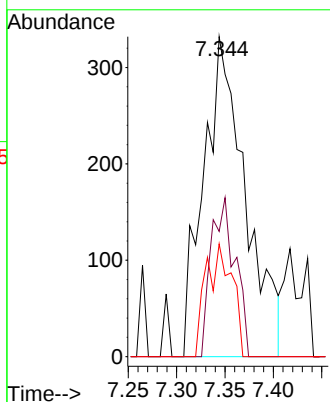
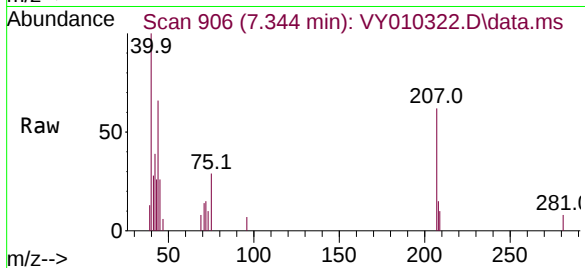
Tgt Ion: 42 Resp: 1001

Ion Ratio Lower Upper

42 100

72 28.6 30.3 45.5#

71 22.0 29.0 43.4#



#33

1,2-Dichloroethane-d4

Concen: 51.620 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.001 min

Lab File: VY010322.D

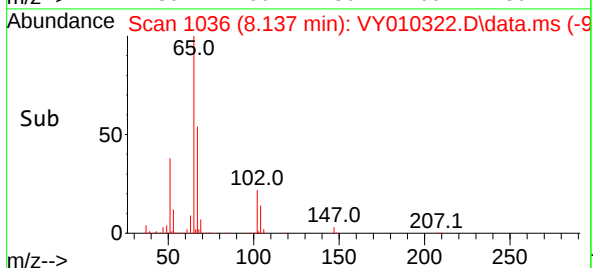
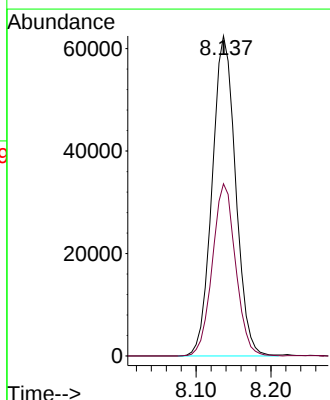
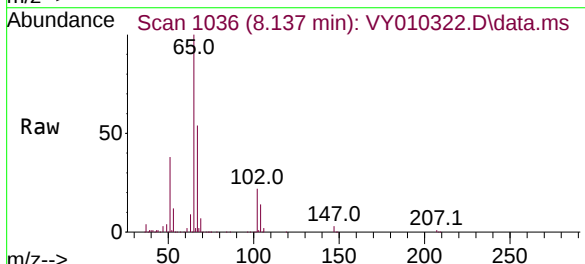
Acq: 03 Sep 2022 15:58

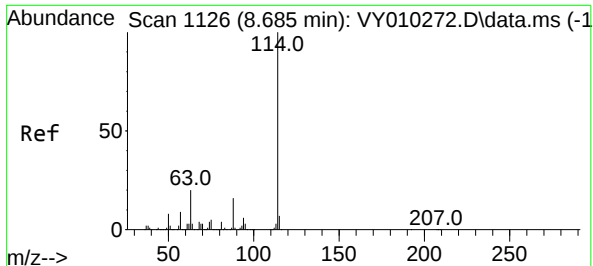
Tgt Ion: 65 Resp: 136225

Ion Ratio Lower Upper

65 100

67 53.3 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: VY010322.D

Acq: 03 Sep 2022 15:58

Instrument :

MSVOA_Y

ClientSampleId :

KTS2-MH-01-16-17

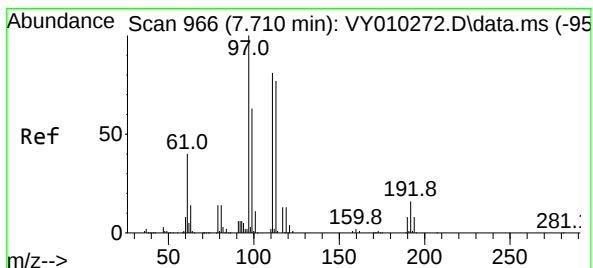
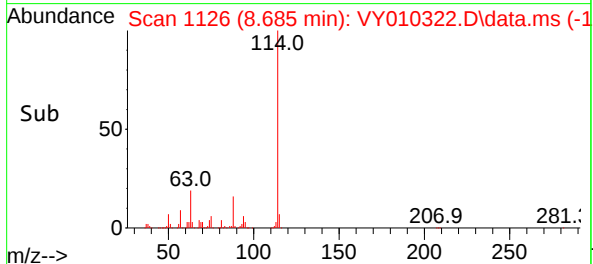
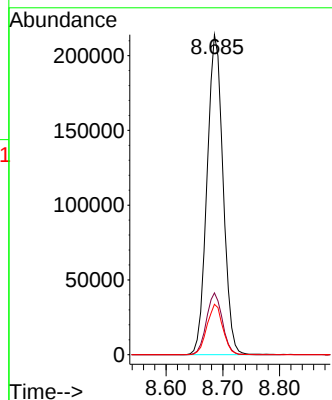
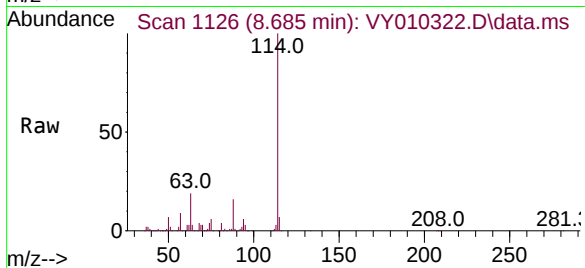
Tgt Ion:114 Resp: 418974

Ion Ratio Lower Upper

114 100

63 19.3 0.0 43.2

88 15.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 45.610 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY010322.D

Acq: 03 Sep 2022 15:58

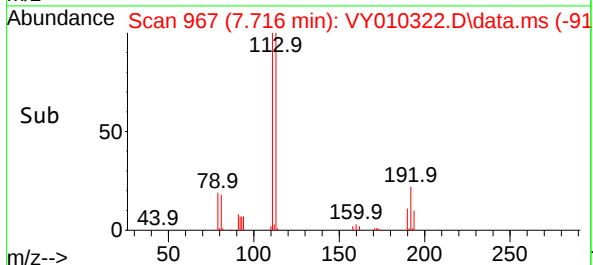
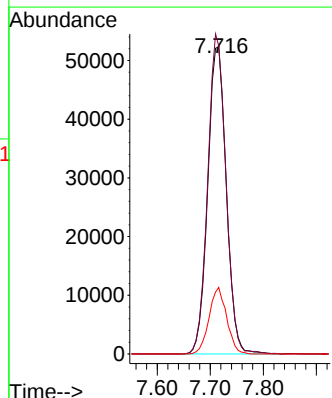
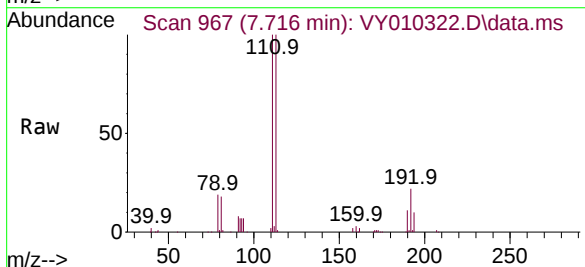
Tgt Ion:113 Resp: 127216

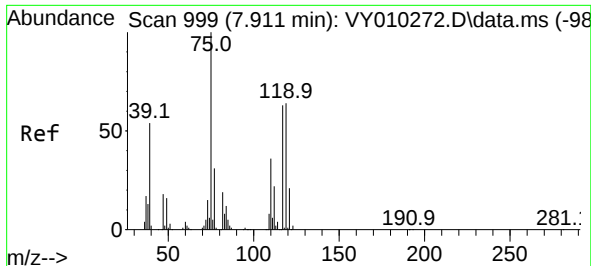
Ion Ratio Lower Upper

113 100

111 102.5 82.6 124.0

192 20.5 17.6 26.4

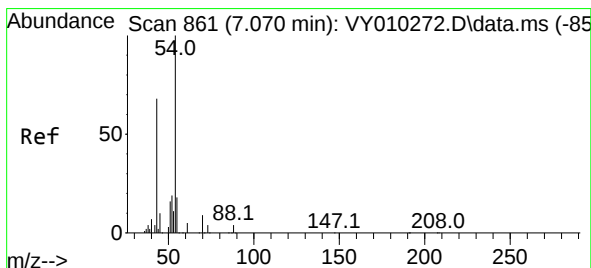
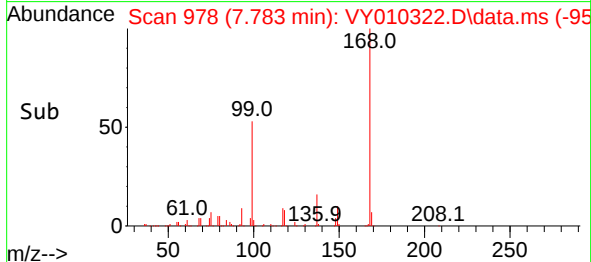
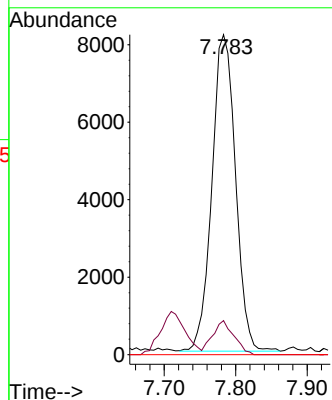
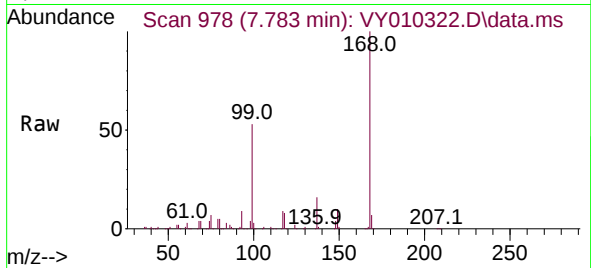




#36
1,1-Dichloropropene
Concen: 4.576 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY010322.D
Acq: 03 Sep 2022 15:58

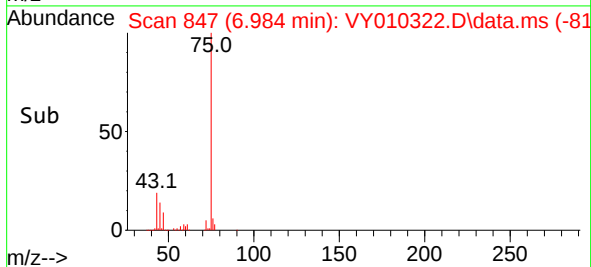
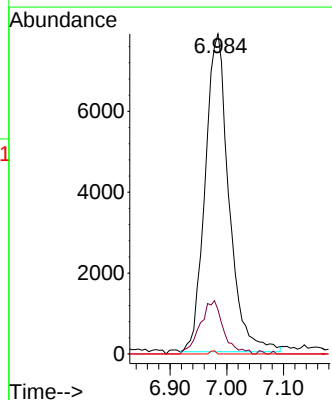
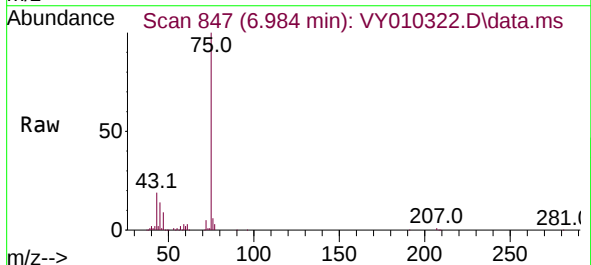
Instrument :
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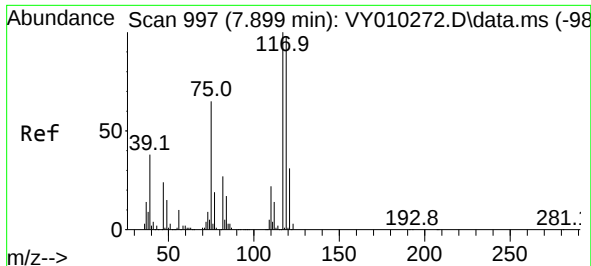
Tgt Ion: 75 Resp: 18725
Ion Ratio Lower Upper
75 100
110 9.8 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 9.781 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.086 min
Lab File: VY010322.D
Acq: 03 Sep 2022 15:58

Tgt Ion: 43 Resp: 22948
Ion Ratio Lower Upper
43 100
61 16.3 9.7 14.5#
70 0.2 7.1 10.7#

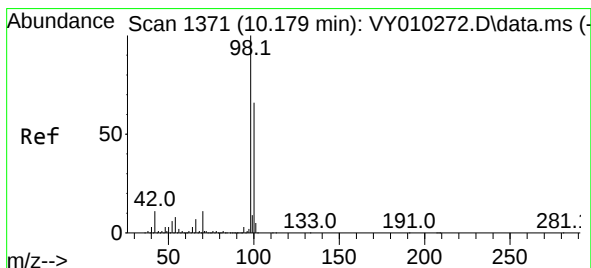
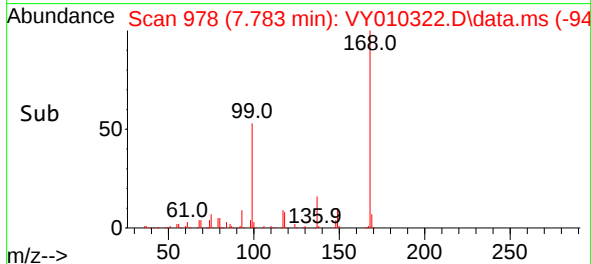
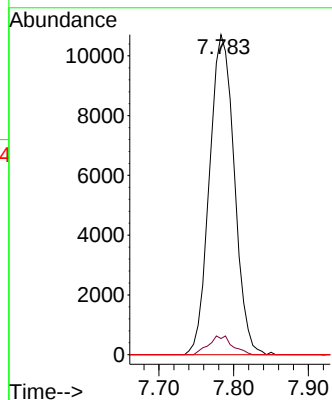
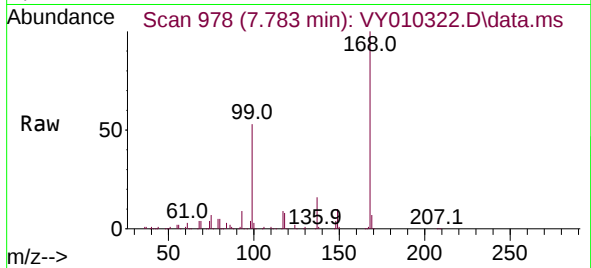




#38
Carbon Tetrachloride
Concen: 5.876 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY010322.D
Acq: 03 Sep 2022 15:58

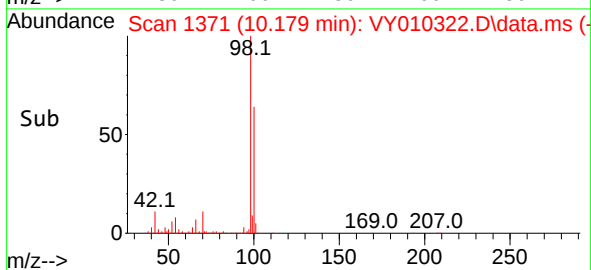
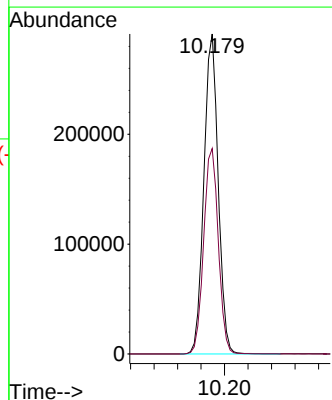
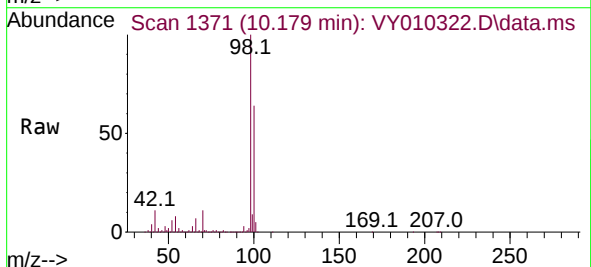
Instrument :
MSVOA_Y
ClientSampleId :
KTS2-MH-01-16-17

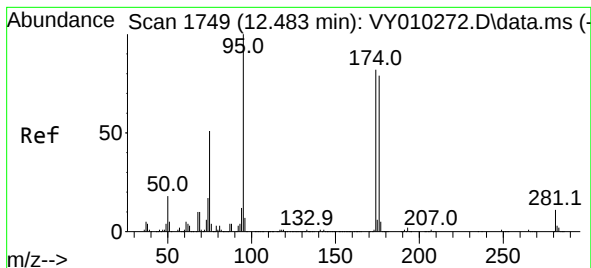
Tgt Ion:117 Resp: 24782
Ion Ratio Lower Upper
117 100
119 5.1 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 52.579 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010322.D
Acq: 03 Sep 2022 15:58

Tgt Ion: 98 Resp: 490997
Ion Ratio Lower Upper
98 100
100 65.8 50.2 75.2

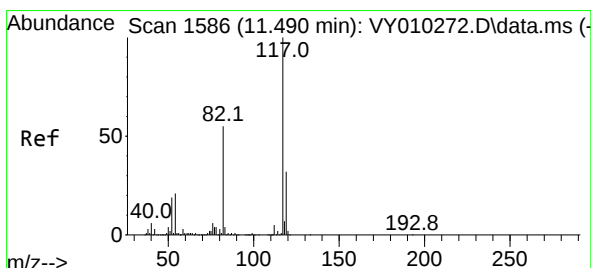
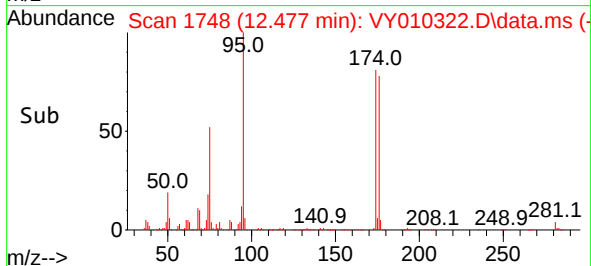
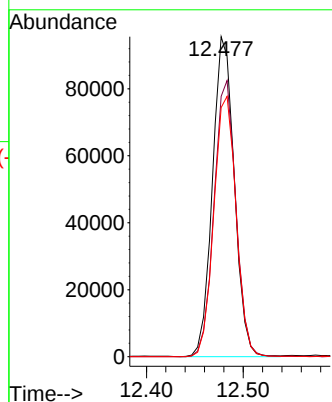
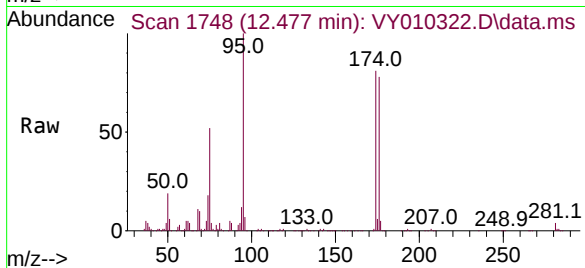




#62
4-Bromofluorobenzene
Concen: 38.563 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY010322.D
Acq: 03 Sep 2022 15:58

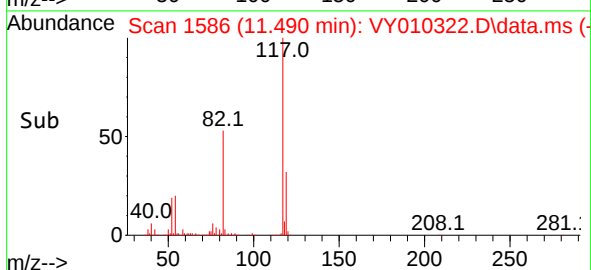
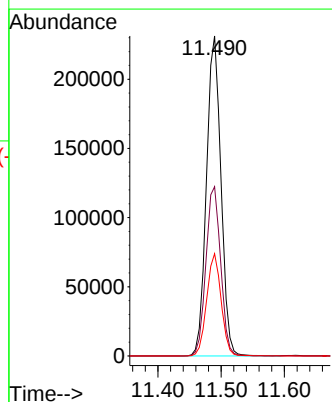
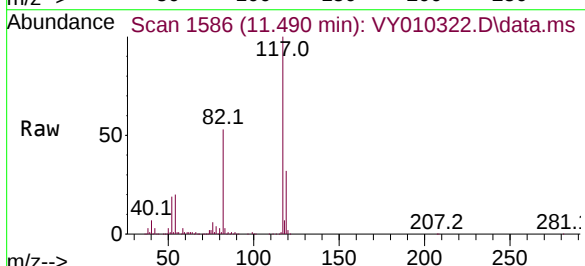
Instrument :
MSVOA_Y
ClientSampleId :
KTS2-MH-01-16-17

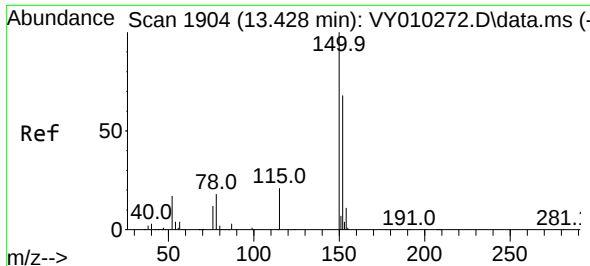
Tgt Ion: 95 Resp: 149617
Ion Ratio Lower Upper
95 100
174 86.4 0.0 177.0
176 83.1 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY010322.D
Acq: 03 Sep 2022 15:58

Tgt Ion: 117 Resp: 369554
Ion Ratio Lower Upper
117 100
82 52.9 43.0 64.4
119 31.9 25.4 38.0

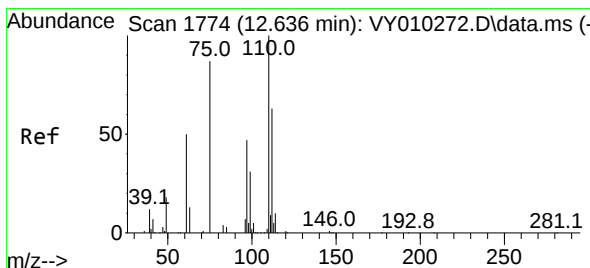
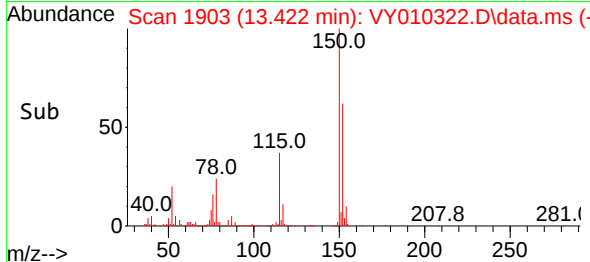
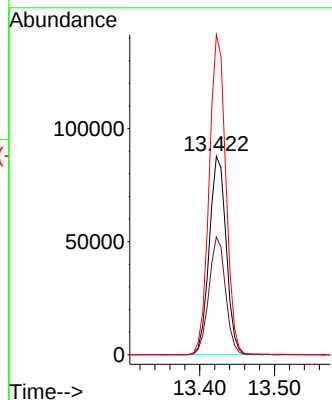
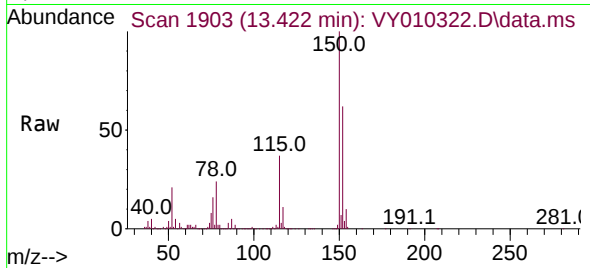




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1904
 Delta R.T. -0.006 min
 Lab File: VY010322.D
 Acq: 03 Sep 2022 15:58

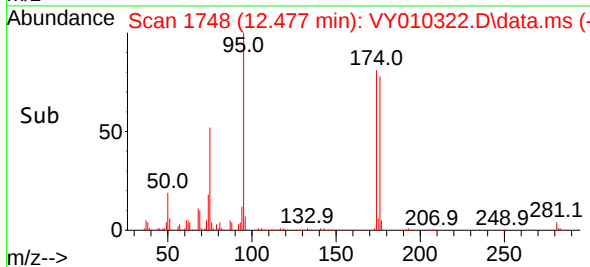
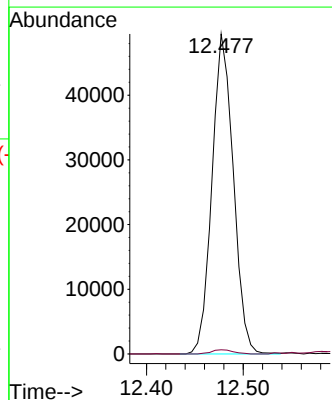
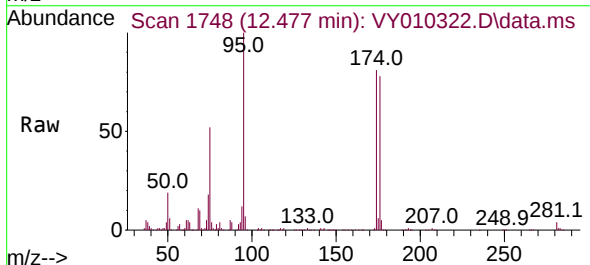
Instrument :
 MSVOA_Y
 ClientSampleId :
 KTS2-MH-01-16-17

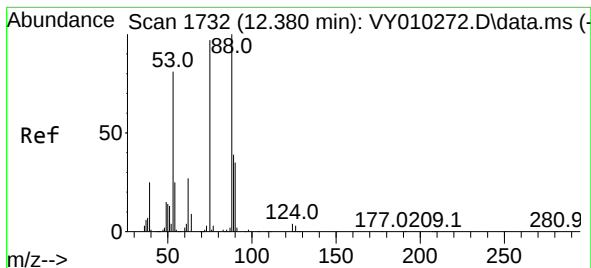
Tgt Ion:152 Resp: 138083
 Ion Ratio Lower Upper
 152 100
 115 58.2 28.2 84.7
 150 158.7 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 46.151 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.159 min
 Lab File: VY010322.D
 Acq: 03 Sep 2022 15:58

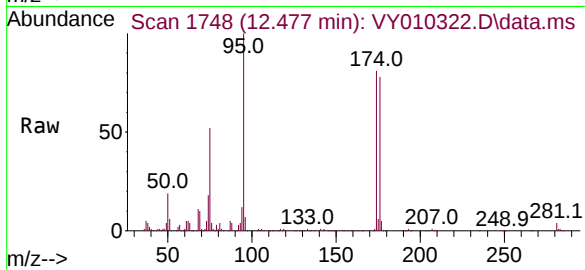
Tgt Ion: 75 Resp: 75838
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.277 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY010322.D
 Acq: 03 Sep 2022 15:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 KTS2-MH-01-16-17



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.1	85.3	127.9#
89	0.1	37.0	55.4#

