

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090322\
 Data File : VY010324.D
 Acq On : 03 Sep 2022 16:45
 Operator : KP/MD
 Sample : N4419-05
 Misc : 3.53g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 KTS2-TR-01-4-5

Quant Time: Sep 05 04:21:13 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

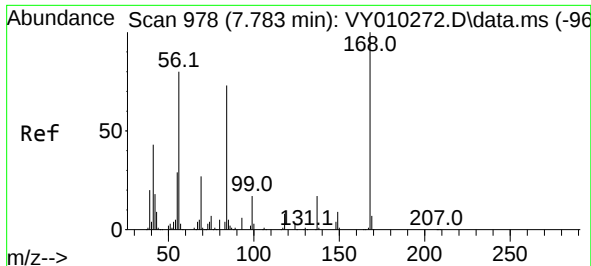
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.783	168	278560	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	459901	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	403808	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	164098	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	146224	51.193	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.380%	
35) Dibromofluoromethane	7.710	113	135619	44.296	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 88.600%	
50) Toluene-d8	10.179	98	538815	52.565	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.140%	
62) 4-Bromofluorobenzene	12.477	95	176551	41.997	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 84.000%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.656	94	578	Below Cal	#	70
11) Tert butyl alcohol	4.942	59	1966	5.753	ug/l	96
16) Acetone	3.942	43	37807	52.948	ug/l	90
20) Methylene Chloride	4.698	84	7456	2.164	ug/l #	81
25) 2-Butanone	6.978	43	10283	8.775	ug/l	98
26) 2,2-Dichloropropane	6.966	77	5436	1.044	ug/l #	57
29) Tetrahydrofuran	7.338	42	1103	1.469	ug/l #	68
31) Cyclohexane	7.783	56	8305	1.491	ug/l #	22
36) 1,1-Dichloropropene	7.777	75	20265	4.511	ug/l #	53
37) Ethyl Acetate	6.978	43	10283	3.993	ug/l #	66
38) Carbon Tetrachloride	7.783	117	26761	5.780	ug/l #	15
39) Methylcyclohexane	9.185	83	9660	1.666	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.795	63	40	Below Cal	#	48
74) N-amyl acetate	12.123	43	12867	3.562	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	88803	45.474	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	88803	94.864	ug/l #	8

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

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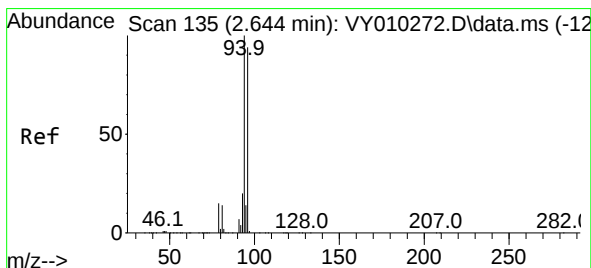
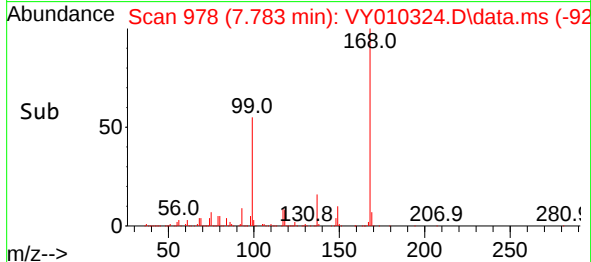
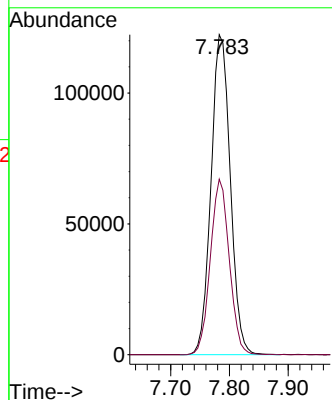
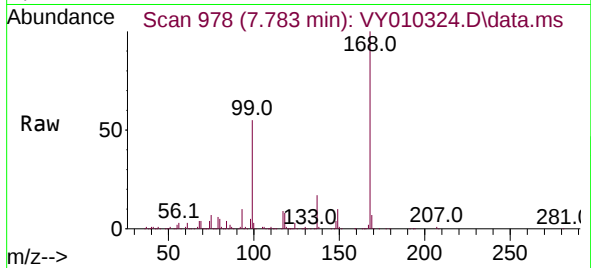




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010324.D
Acq: 03 Sep 2022 16:45

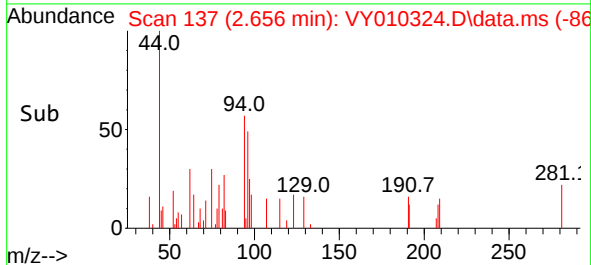
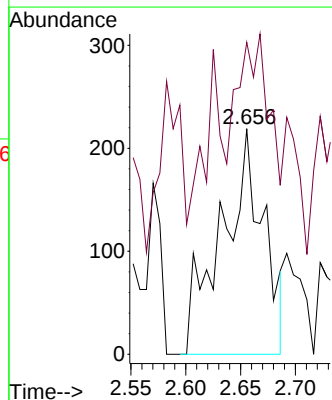
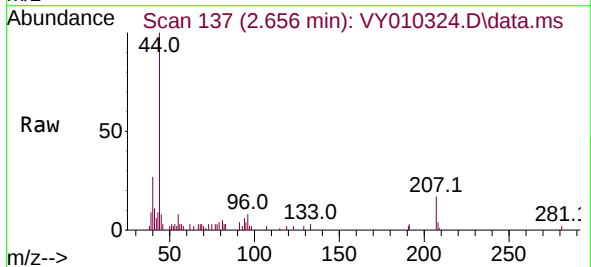
Instrument :
MSVOA_Y
ClientSampleId :
KTS2-TR-01-4-5

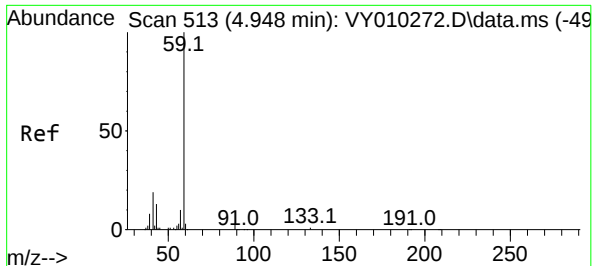
Tgt Ion:168 Resp: 278560
Ion Ratio Lower Upper
168 100
99 54.8 46.9 70.3



#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 137
Delta R.T. 0.012 min
Lab File: VY010324.D
Acq: 03 Sep 2022 16:45

Tgt Ion: 94 Resp: 578
Ion Ratio Lower Upper
94 100
96 63.5 73.5 110.3#





#11

Tert butyl alcohol

Concen: 5.753 ug/l

RT: 4.942 min Scan# 513

Delta R.T. -0.006 min

Lab File: VY010324.D

Acq: 03 Sep 2022 16:45

Instrument :

MSVOA_Y

ClientSampleId :

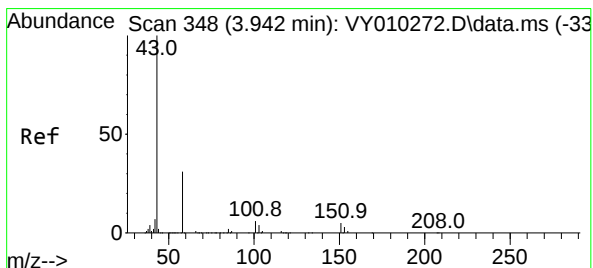
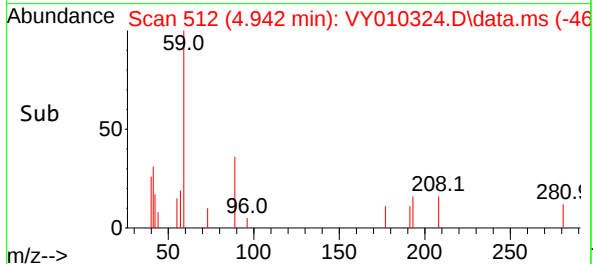
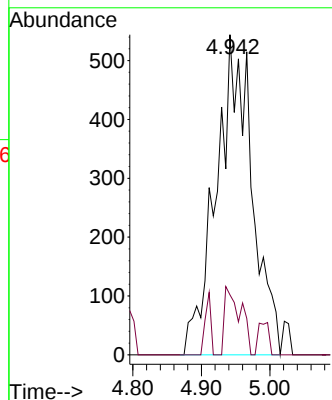
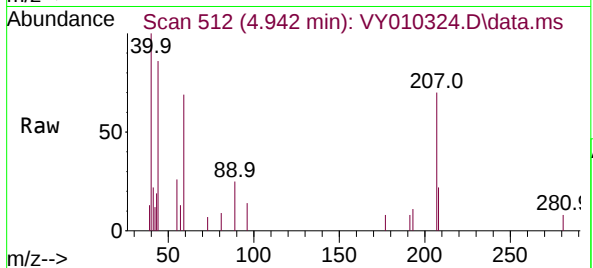
KTS2-TR-01-4-5

Tgt Ion: 59 Resp: 1966

Ion Ratio Lower Upper

59 100

57 9.6 6.4 9.6



#16

Acetone

Concen: 52.948 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.000 min

Lab File: VY010324.D

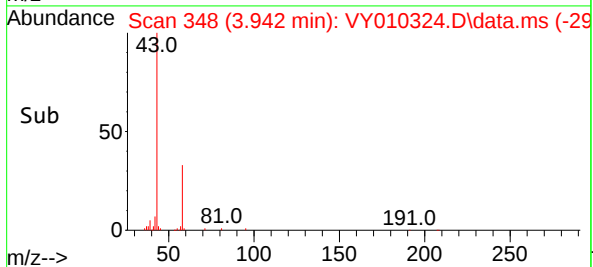
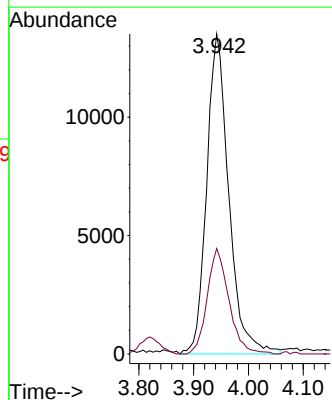
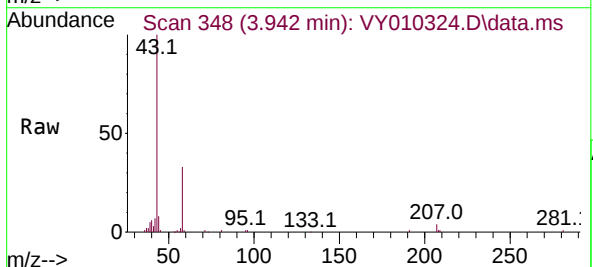
Acq: 03 Sep 2022 16:45

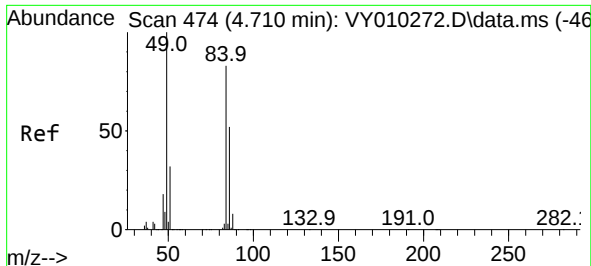
Tgt Ion: 43 Resp: 37807

Ion Ratio Lower Upper

43 100

58 33.0 22.0 33.0

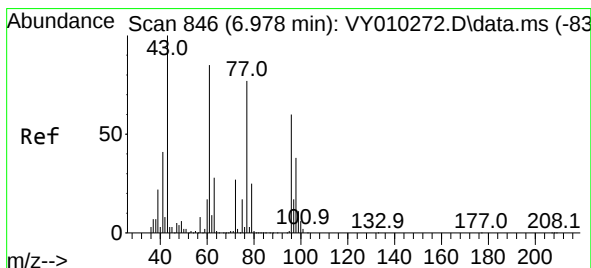
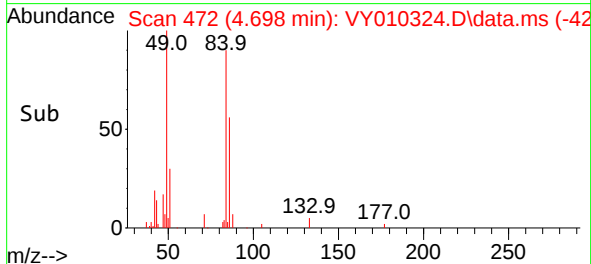
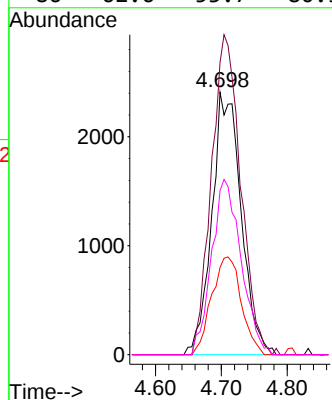
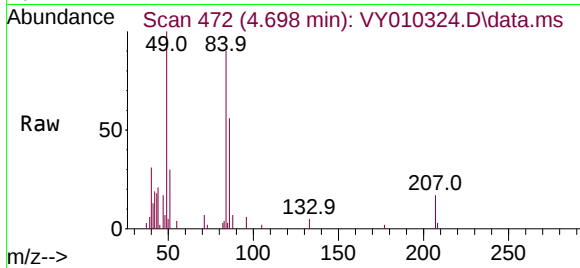




#20
Methylene Chloride
Concen: 2.164 ug/l
RT: 4.698 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY010324.D
Acq: 03 Sep 2022 16:45

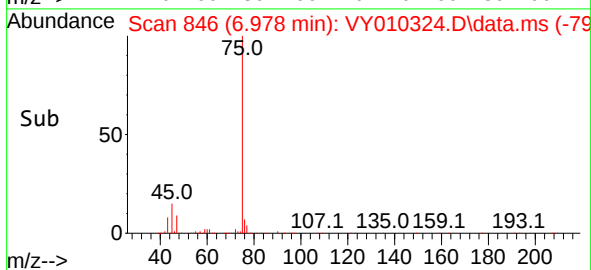
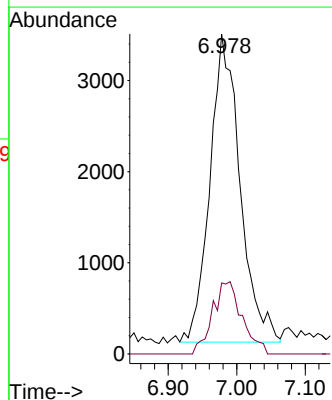
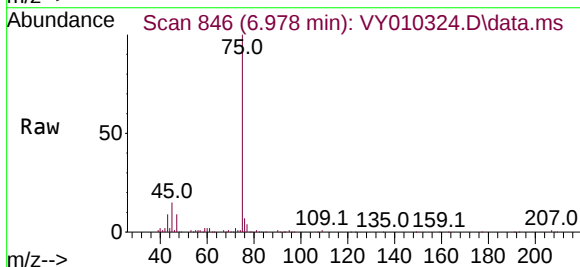
Instrument :
MSVOA_Y
ClientSampleId :
KTS2-TR-01-4-5

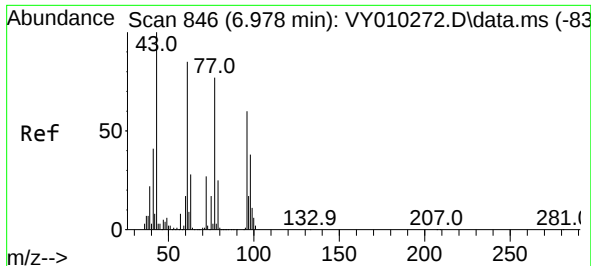
Tgt Ion:	84	Resp:	7456
Ion	Ratio	Lower	Upper
84	100		
49	111.3	114.4	171.6#
51	33.3	35.3	52.9#
86	62.6	53.7	80.5



#25
2-Butanone
Concen: 8.775 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY010324.D
Acq: 03 Sep 2022 16:45

Tgt Ion:	43	Resp:	10283
Ion	Ratio	Lower	Upper
43	100		
72	23.1	17.7	26.5





#26

2,2-Dichloropropane

Concen: 1.044 ug/l

RT: 6.966 min Scan# 846

Delta R.T. -0.012 min

Lab File: VY010324.D

Acq: 03 Sep 2022 16:45

Instrument :

MSVOA_Y

ClientSampleId :

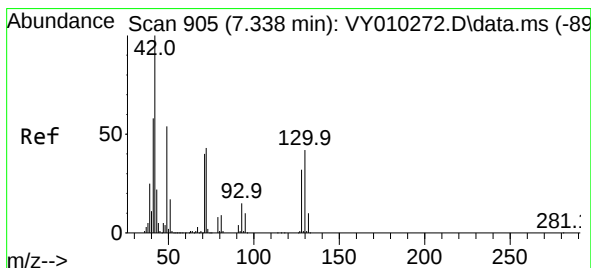
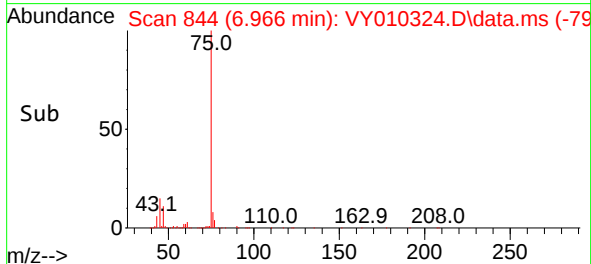
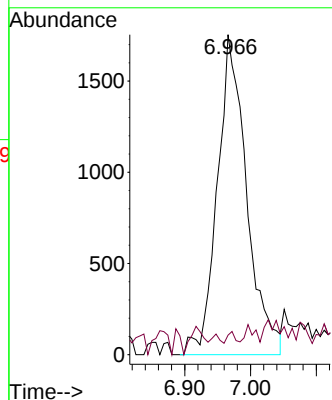
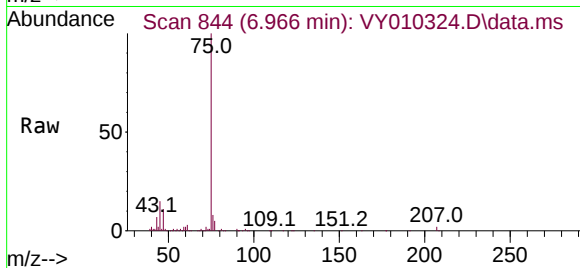
KTS2-TR-01-4-5

Tgt Ion: 77 Resp: 5436

Ion Ratio Lower Upper

77 100

97 0.9 10.4 31.4#



#29

Tetrahydrofuran

Concen: 1.469 ug/l

RT: 7.338 min Scan# 905

Delta R.T. -0.000 min

Lab File: VY010324.D

Acq: 03 Sep 2022 16:45

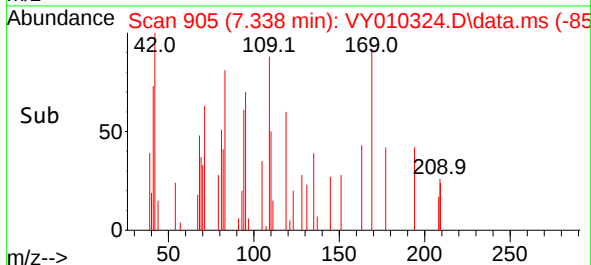
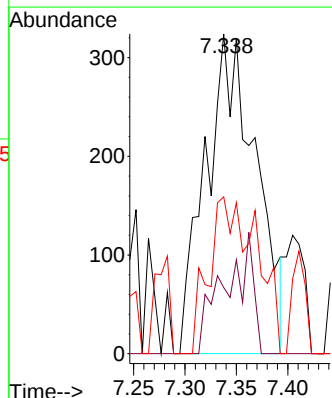
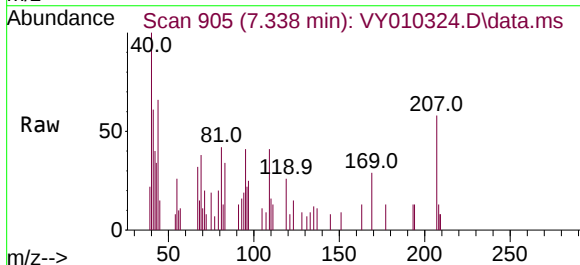
Tgt Ion: 42 Resp: 1103

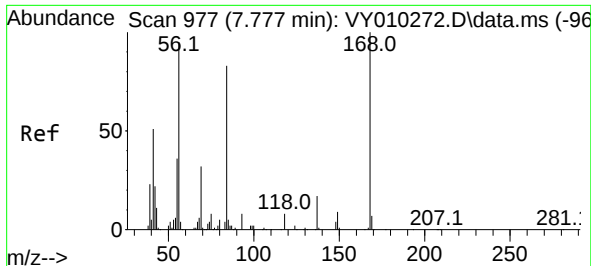
Ion Ratio Lower Upper

42 100

72 10.4 30.3 45.5#

71 46.8 29.0 43.4#

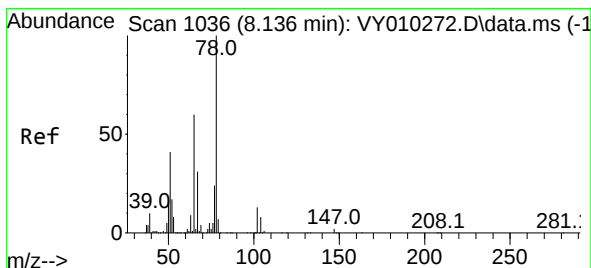
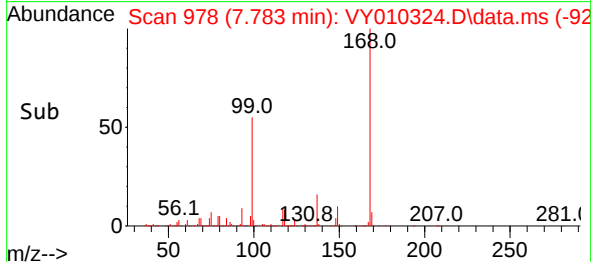
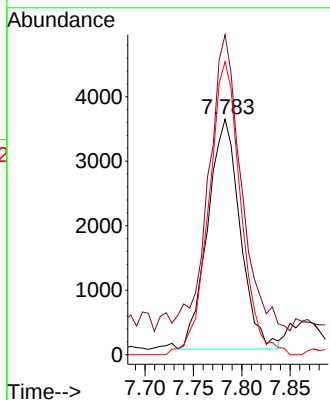
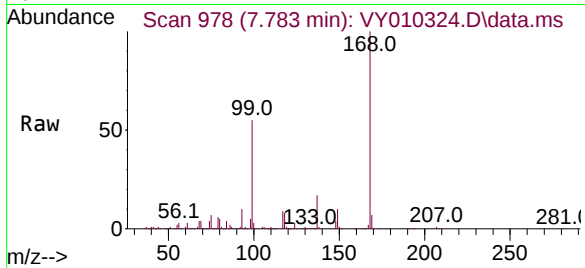




#31
Cyclohexane
Concen: 1.491 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010324.D
Acq: 03 Sep 2022 16:45

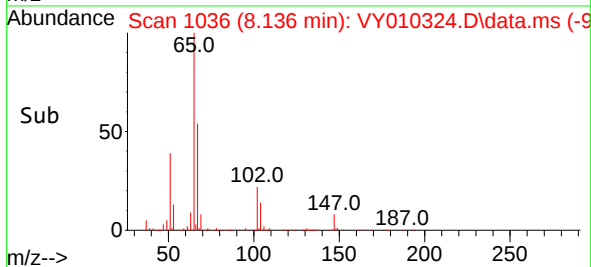
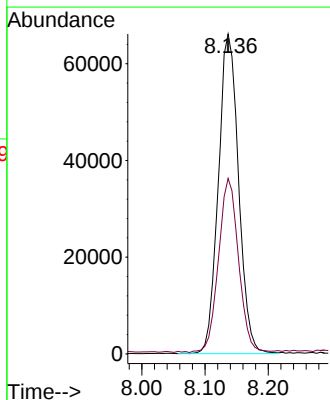
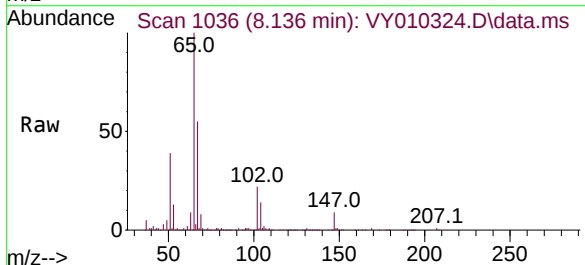
Instrument :
MSVOA_Y
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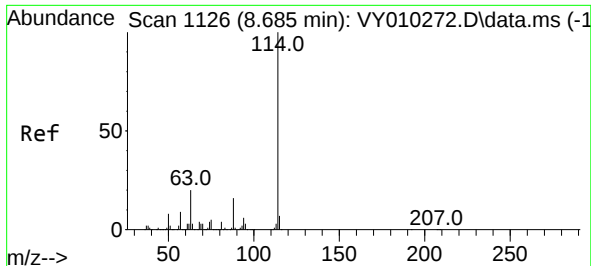
Tgt Ion: 56 Resp: 8305
Ion Ratio Lower Upper
56 100
69 125.8 26.7 40.1#
84 124.8 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 51.193 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY010324.D
Acq: 03 Sep 2022 16:45

Tgt Ion: 65 Resp: 146224
Ion Ratio Lower Upper
65 100
67 54.0 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: VY010324.D

Acq: 03 Sep 2022 16:45

Instrument :

MSVOA_Y

ClientSampleId :

KTS2-TR-01-4-5

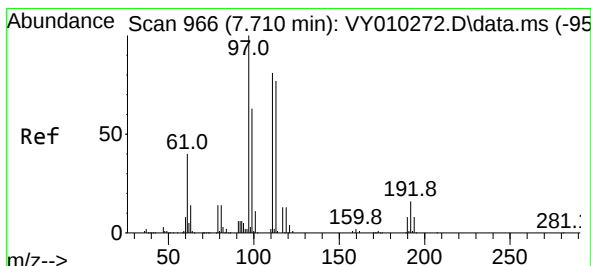
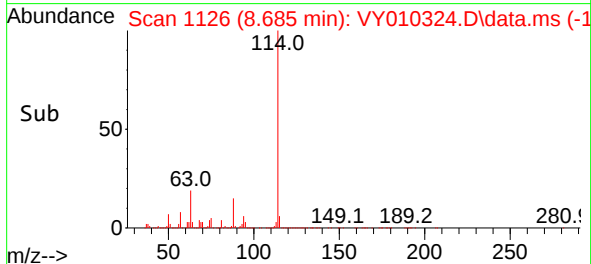
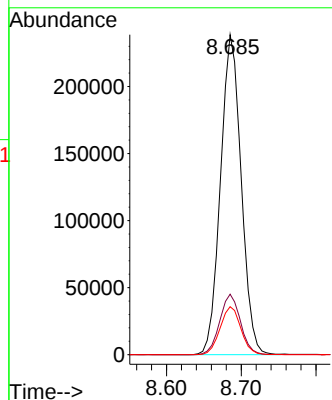
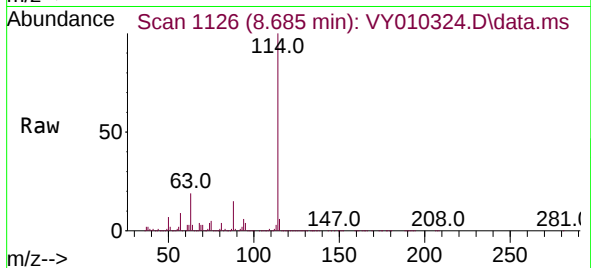
Tgt Ion:114 Resp: 459901

Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.2

88 15.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 44.296 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010324.D

Acq: 03 Sep 2022 16:45

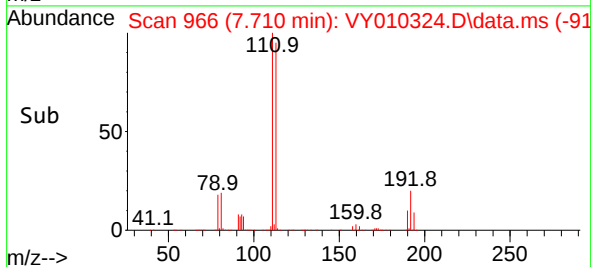
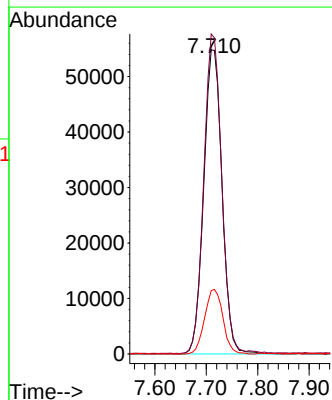
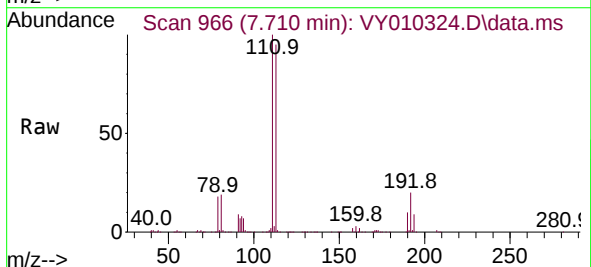
Tgt Ion:113 Resp: 135619

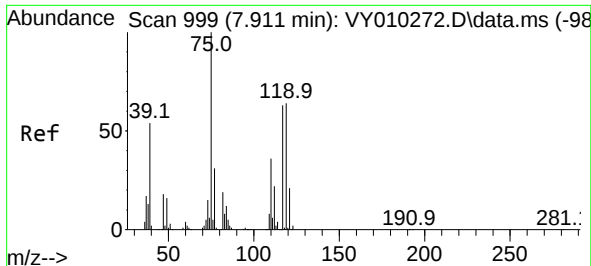
Ion Ratio Lower Upper

113 100

111 103.0 82.6 124.0

192 21.2 17.6 26.4

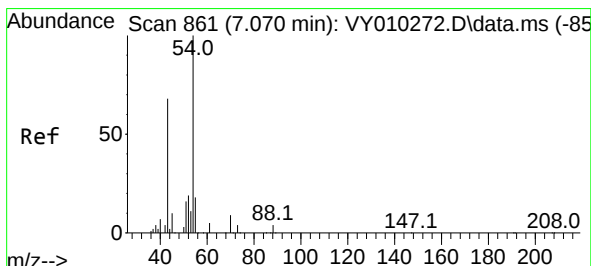
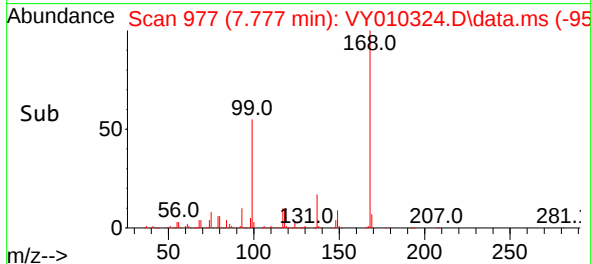
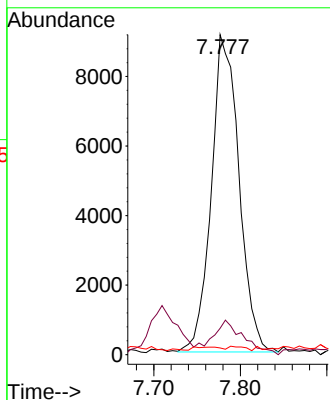
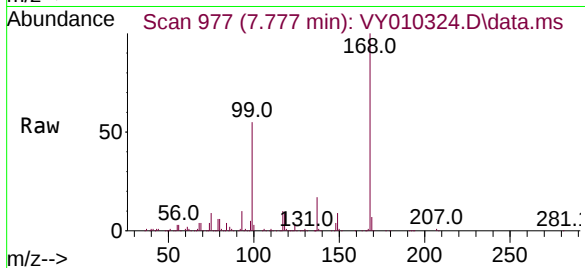




#36
1,1-Dichloropropene
Concen: 4.511 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY010324.D
Acq: 03 Sep 2022 16:45

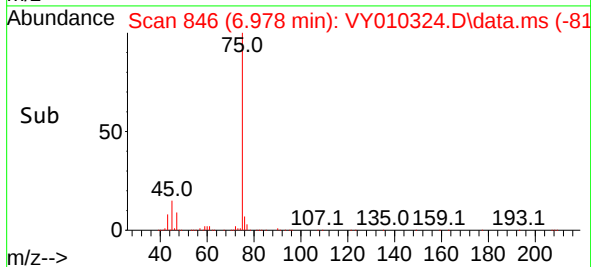
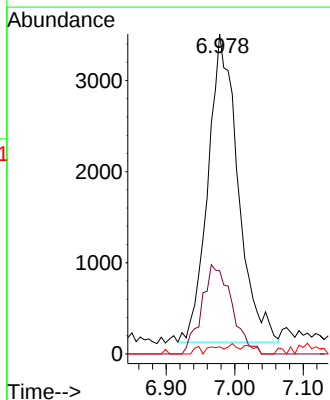
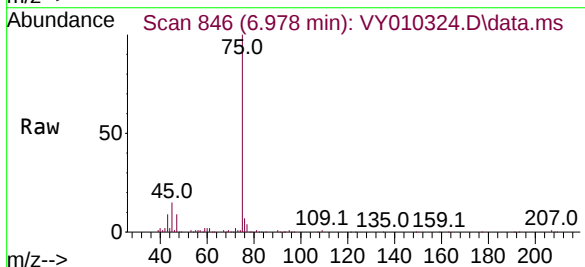
Instrument :
MSVOA_Y
ClientSampleId :
KTS2-TR-01-4-5

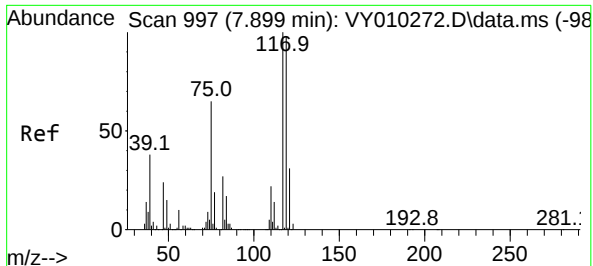
Tgt Ion: 75 Resp: 20265
Ion Ratio Lower Upper
75 100
110 11.2 17.1 51.2#
77 0.8 24.4 36.6#



#37
Ethyl Acetate
Concen: 3.993 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.092 min
Lab File: VY010324.D
Acq: 03 Sep 2022 16:45

Tgt Ion: 43 Resp: 10283
Ion Ratio Lower Upper
43 100
61 29.0 9.7 14.5#
70 1.2 7.1 10.7#

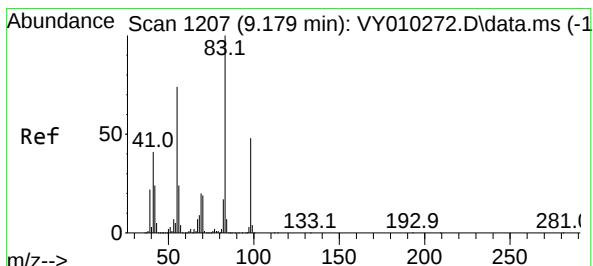
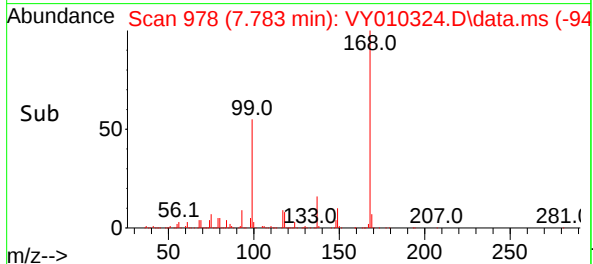
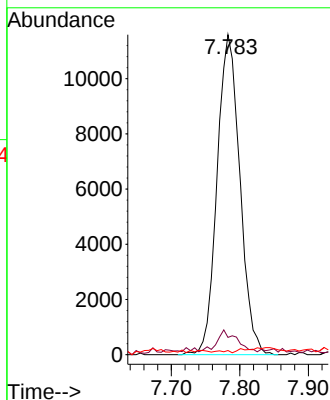
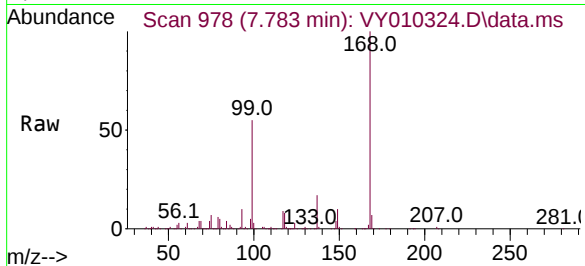




#38
Carbon Tetrachloride
Concen: 5.780 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY010324.D
Acq: 03 Sep 2022 16:45

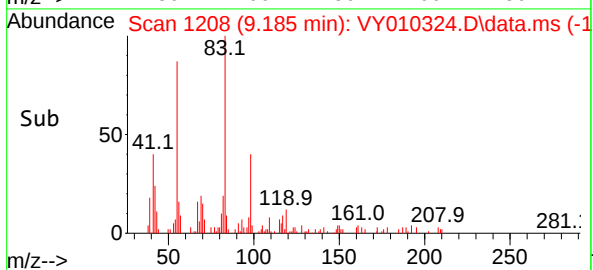
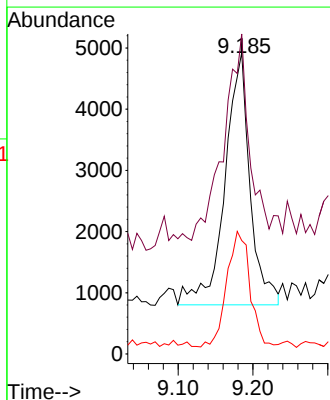
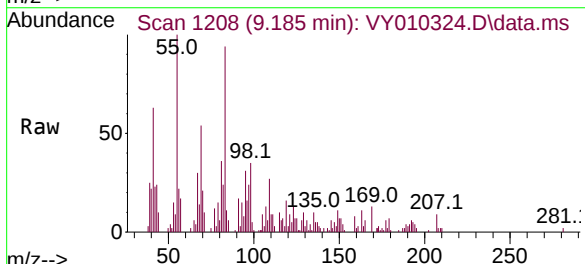
Instrument :
MSVOA_Y
ClientSampleId :
KTS2-TR-01-4-5

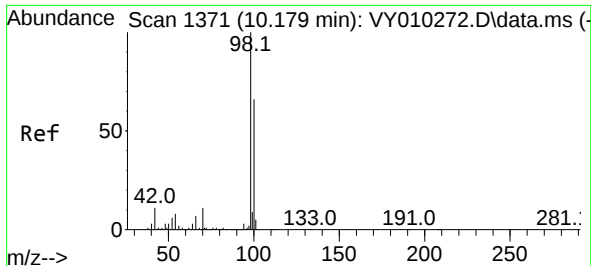
Tgt Ion:117 Resp: 26761
Ion Ratio Lower Upper
117 100
119 4.6 77.9 116.9#
121 0.5 24.8 37.2#



#39
Methylcyclohexane
Concen: 1.666 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. 0.006 min
Lab File: VY010324.D
Acq: 03 Sep 2022 16:45

Tgt Ion: 83 Resp: 9660
Ion Ratio Lower Upper
83 100
55 81.2 66.5 99.7
98 41.5 37.9 56.9

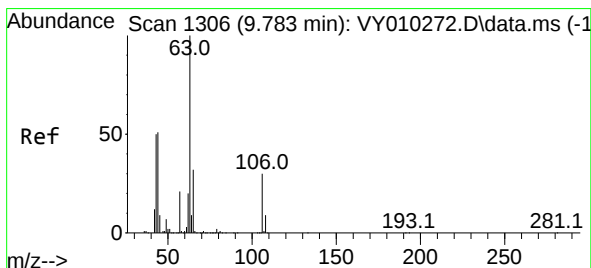
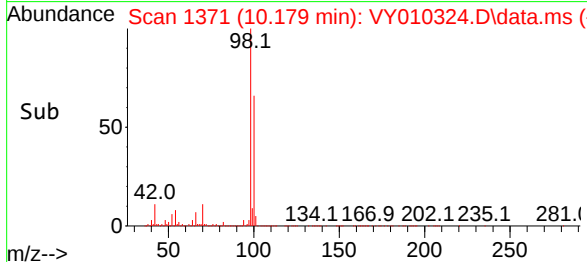
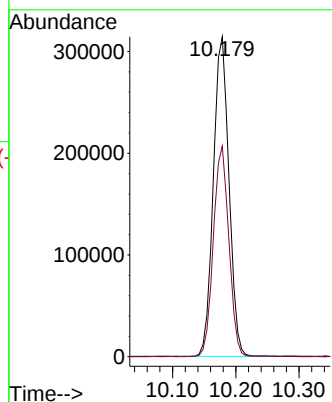
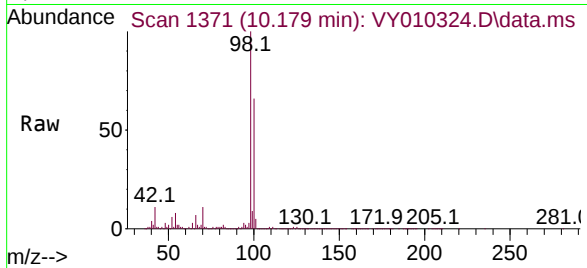




#50
Toluene-d8
Concen: 52.565 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010324.D
Acq: 03 Sep 2022 16:45

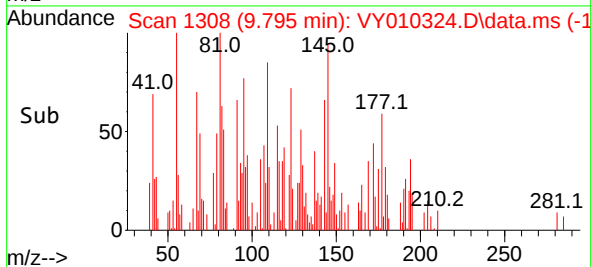
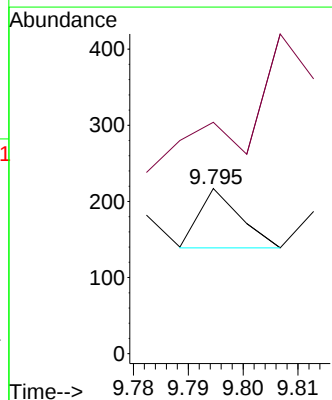
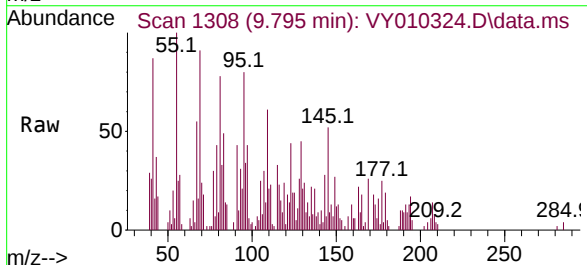
Instrument :
MSVOA_Y
ClientSampleId :
KTS2-TR-01-4-5

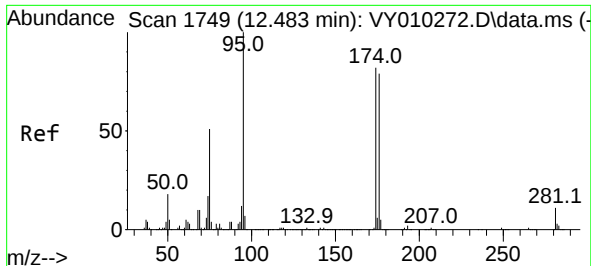
Tgt Ion: 98 Resp: 538815
Ion Ratio Lower Upper
98 100
100 65.3 50.2 75.2



#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 9.795 min Scan# 1308
Delta R.T. 0.012 min
Lab File: VY010324.D
Acq: 03 Sep 2022 16:45

Tgt Ion: 63 Resp: 40
Ion Ratio Lower Upper
63 100
106 0.0 21.5 32.3#





#62

4-Bromofluorobenzene

Concen: 41.997 ug/l

RT: 12.477 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY010324.D

Acq: 03 Sep 2022 16:45

Instrument :

MSVOA_Y

ClientSampleId :

KTS2-TR-01-4-5

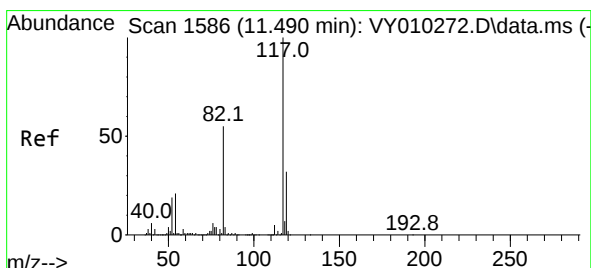
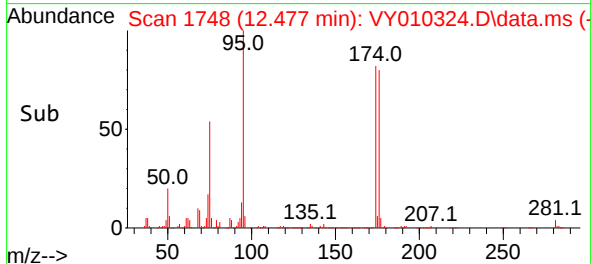
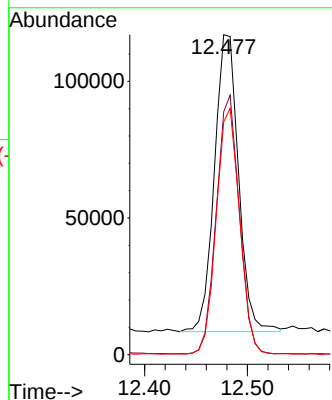
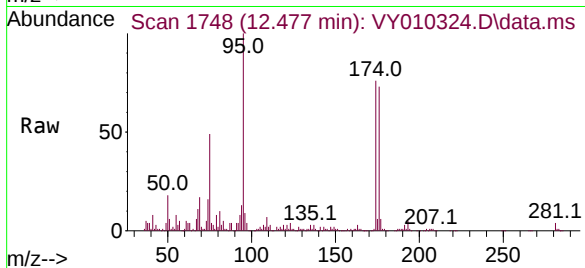
Tgt Ion: 95 Resp: 176551

Ion Ratio Lower Upper

95 100

174 83.1 0.0 177.0

176 80.4 0.0 175.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. -0.001 min

Lab File: VY010324.D

Acq: 03 Sep 2022 16:45

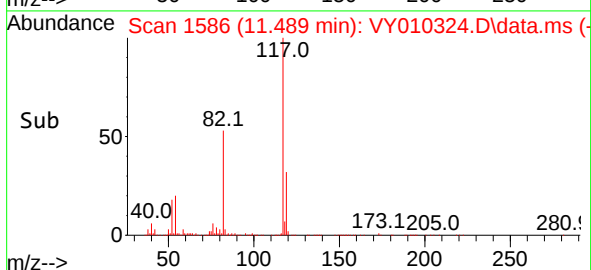
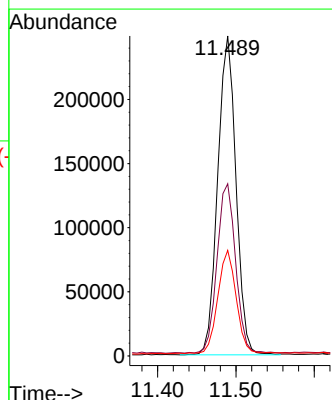
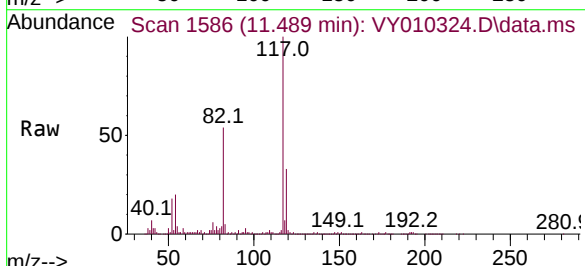
Tgt Ion: 117 Resp: 403808

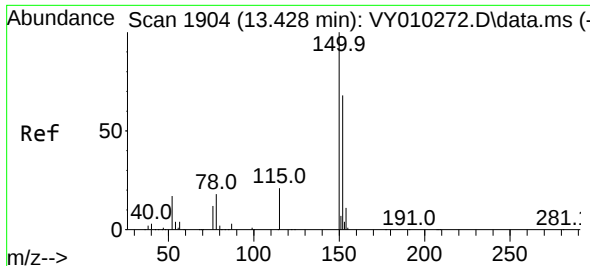
Ion Ratio Lower Upper

117 100

82 53.0 43.0 64.4

119 32.3 25.4 38.0

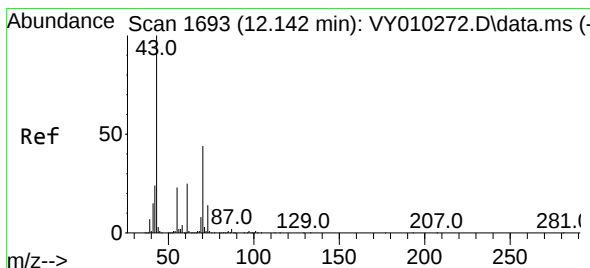
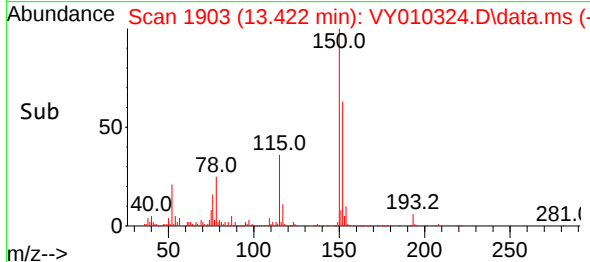
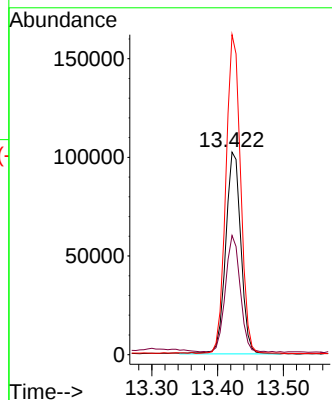
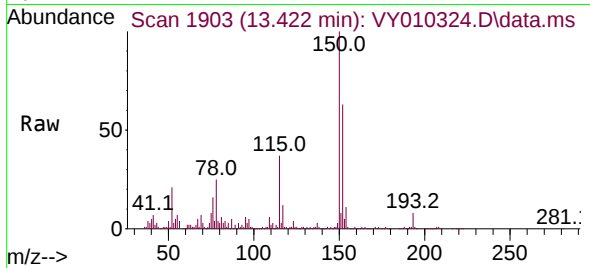




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY010324.D
Acq: 03 Sep 2022 16:45

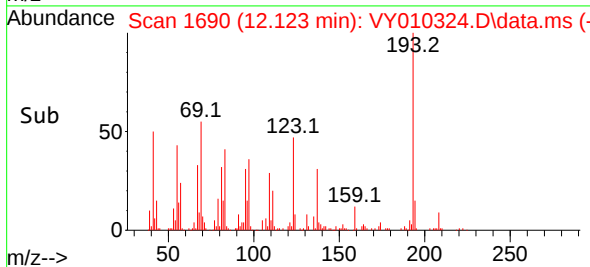
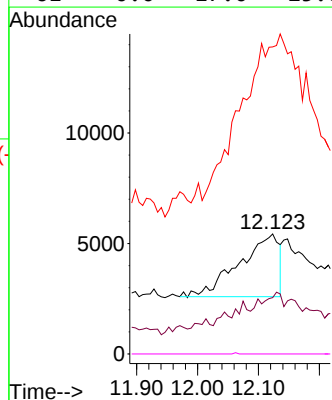
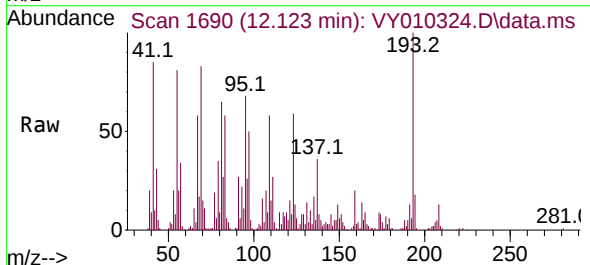
Instrument :
MSVOA_Y
ClientSampleId :
KTS2-TR-01-4-5

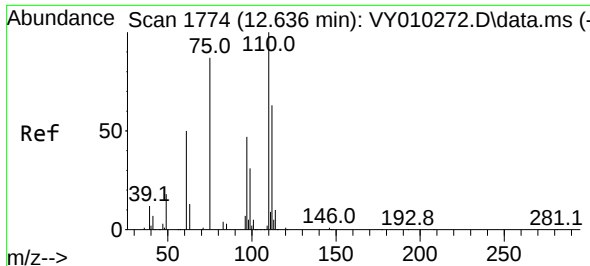
Tgt Ion:152 Resp: 164098
Ion Ratio Lower Upper
152 100
115 56.6 28.2 84.7
150 153.4 0.0 347.6



#74
N-ethyl acetate
Concen: 3.562 ug/l
RT: 12.123 min Scan# 1690
Delta R.T. -0.019 min
Lab File: VY010324.D
Acq: 03 Sep 2022 16:45

Tgt Ion: 43 Resp: 12867
Ion Ratio Lower Upper
43 100
70 14.7 28.7 43.1#
55 474.6 17.3 25.9#
61 0.0 17.0 25.6#

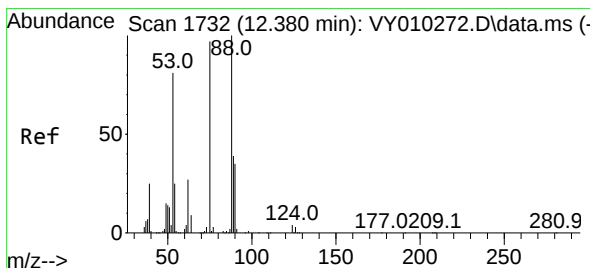
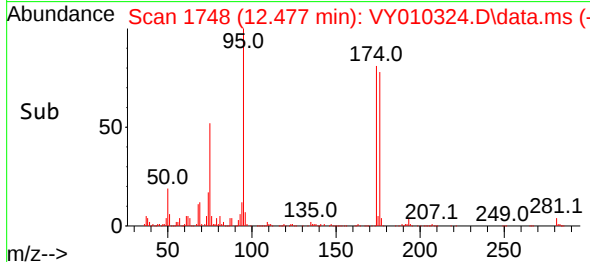
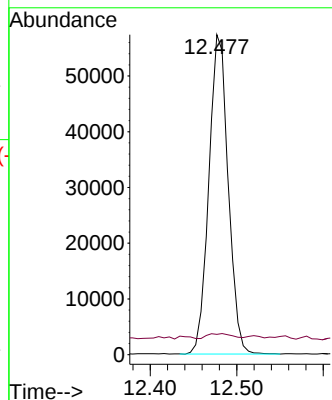
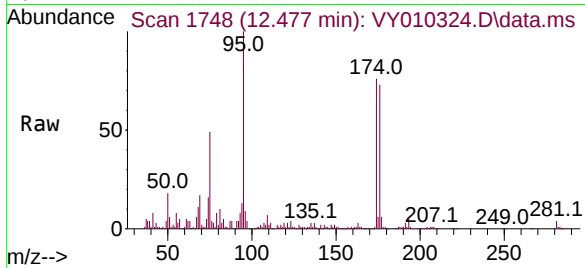




#76
1,2,3-Trichloropropane
Concen: 45.474 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY010324.D
Acq: 03 Sep 2022 16:45

Instrument :
MSVOA_Y
ClientSampleId :
KTS2-TR-01-4-5

Tgt Ion: 75 Resp: 88803
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.864 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY010324.D
Acq: 03 Sep 2022 16:45

Tgt Ion: 75 Resp: 88803
Ion Ratio Lower Upper
75 100
53 0.9 85.3 127.9#
89 0.3 37.0 55.4#

