

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090322\
 Data File : VY010328.D
 Acq On : 03 Sep 2022 18:19
 Operator : KP/MD
 Sample : N4419-01
 Misc : 3.98g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 KTS2-MH-02-4-5

Quant Time: Sep 05 04:22:33 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

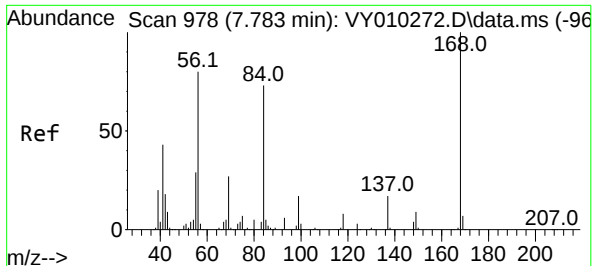
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.783	168	277955	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	454581	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	411061	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	196699	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	147306	51.684	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.360%
35) Dibromofluoromethane	7.710	113	136398	45.072	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.140%
50) Toluene-d8	10.179	98	533278	52.634	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.260%
62) 4-Bromofluorobenzene	12.477	95	190253	46.438	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.880%
Target Compounds						
						Qvalue
5) Bromomethane	2.662	94	478	Below Cal		85
11) Tert butyl alcohol	4.948	59	2193	6.432 ug/l	#	77
16) Acetone	3.942	43	25018	35.113 ug/l		90
20) Methylene Chloride	4.710	84	7128	2.073 ug/l	#	81
25) 2-Butanone	6.978	43	9717	8.310 ug/l	#	85
29) Tetrahydrofuran	7.344	42	980	1.308 ug/l	#	85
31) Cyclohexane	7.777	56	11023	1.983 ug/l	#	50
36) 1,1-Dichloropropene	7.783	75	19928	4.488 ug/l	#	51
38) Carbon Tetrachloride	7.783	117	26321	5.752 ug/l	#	15
39) Methylcyclohexane	9.179	83	17340	3.025 ug/l		98
40) Benzene	8.155	78	24565	1.932 ug/l		95
55) 1,1,2-Trichloroethane	10.618	97	4301	1.703 ug/l	#	21
56) Ethyl methacrylate	10.477	69	5679	1.522 ug/l	#	67
59) 2-Hexanone	10.801	43	4919	2.833 ug/l	#	38
74) N-amyl acetate	12.124	43	14436	3.334 ug/l	#	47
75) 1,1,2,2-Tetrachloroethane	12.483	83	4298	1.425 ug/l		96
76) 1,2,3-Trichloropropane	12.477	75	92566	39.545 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.477	75	92566	82.495 ug/l	#	10
93) 1,2,4-Trichlorobenzene	15.050	180	5337	1.396 ug/l	#	39
95) Naphthalene	15.208	128	8074	1.018 ug/l	#	1
96) 1,2,3-Trichlorobenzene	15.446	180	6401	1.976 ug/l	#	1

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

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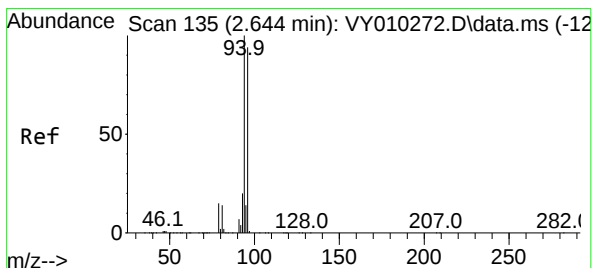
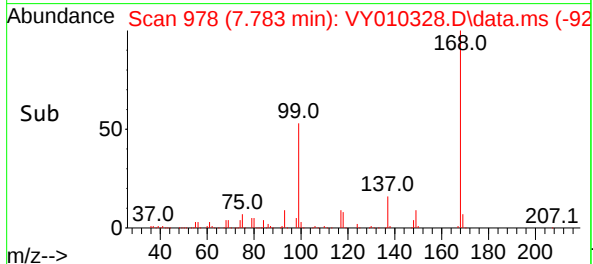
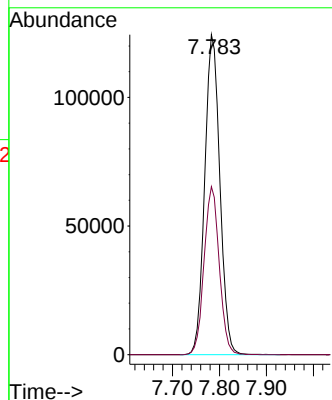
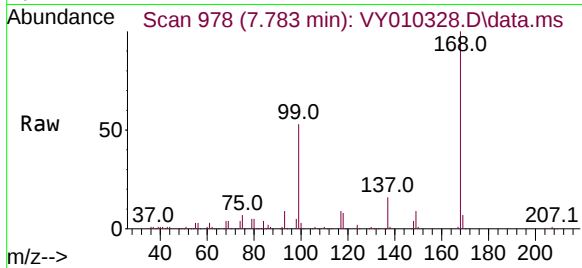




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010328.D
Acq: 03 Sep 2022 18:19

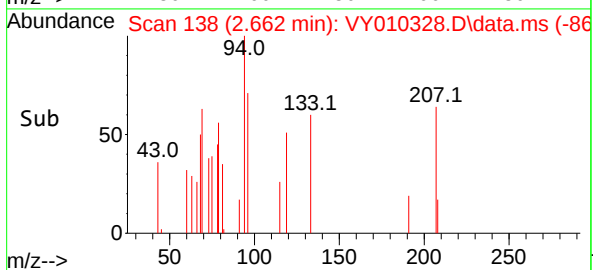
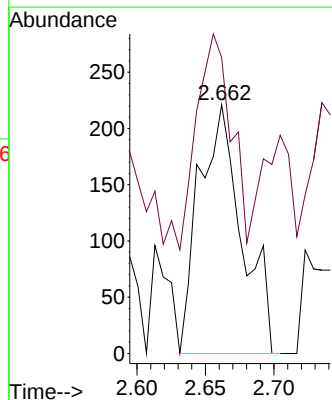
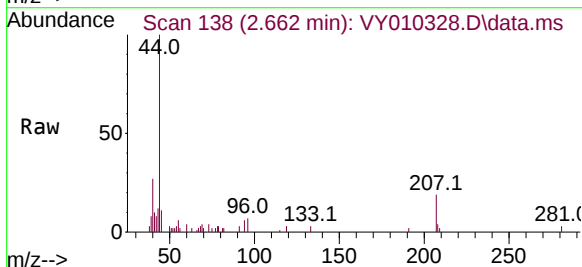
Instrument :
MSVOA_Y
ClientSampleId :
KTS2-MH-02-4-5

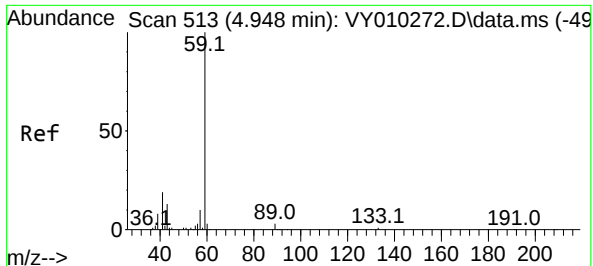
Tgt Ion:168 Resp: 277955
Ion Ratio Lower Upper
168 100
99 52.5 46.9 70.3



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.018 min
Lab File: VY010328.D
Acq: 03 Sep 2022 18:19

Tgt Ion: 94 Resp: 478
Ion Ratio Lower Upper
94 100
96 77.4 73.5 110.3

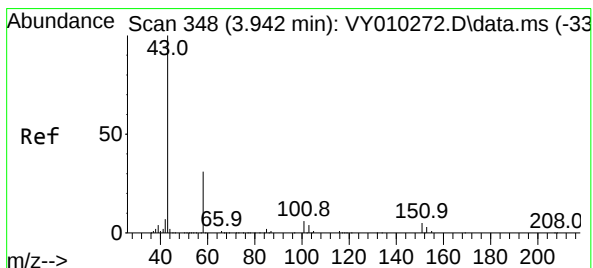
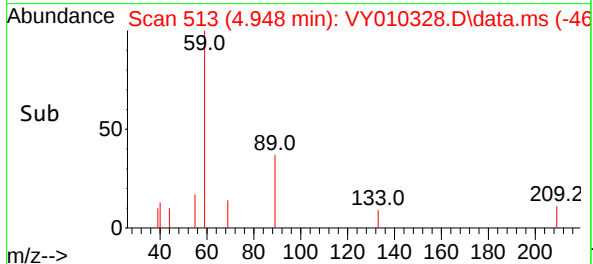
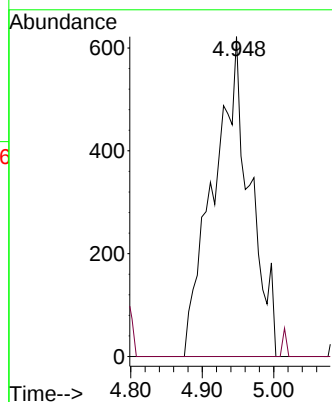
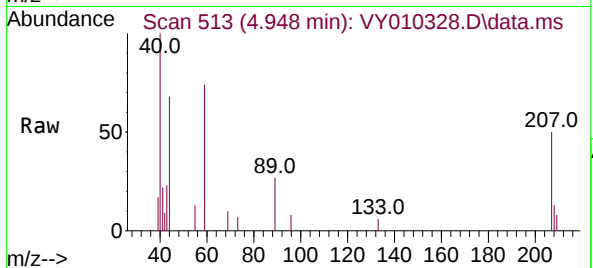




#11
Tert butyl alcohol
Concen: 6.432 ug/l
RT: 4.948 min Scan# 513
Delta R.T. 0.000 min
Lab File: VY010328.D
Acq: 03 Sep 2022 18:19

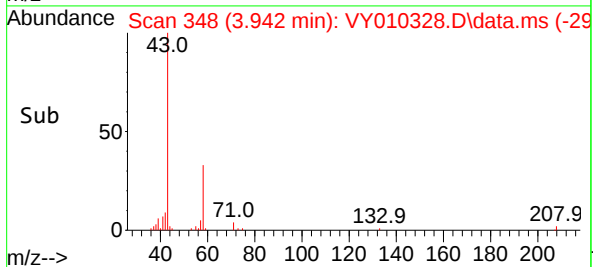
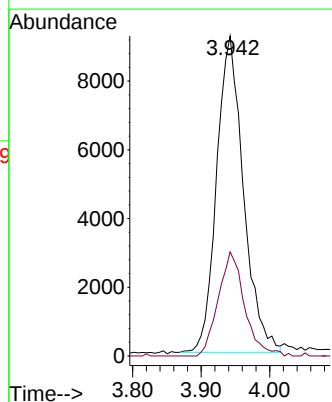
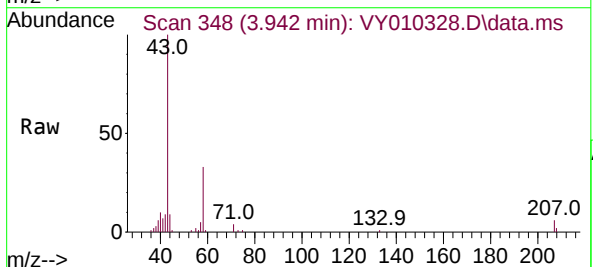
Instrument :
MSVOA_Y
ClientSampleId :
KTS2-MH-02-4-5

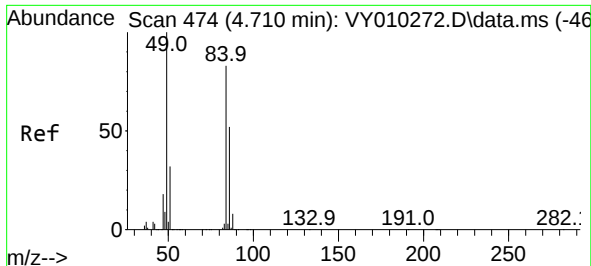
Tgt Ion: 59 Resp: 2193
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 35.113 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY010328.D
Acq: 03 Sep 2022 18:19

Tgt Ion: 43 Resp: 25018
Ion Ratio Lower Upper
43 100
58 32.9 22.0 33.0

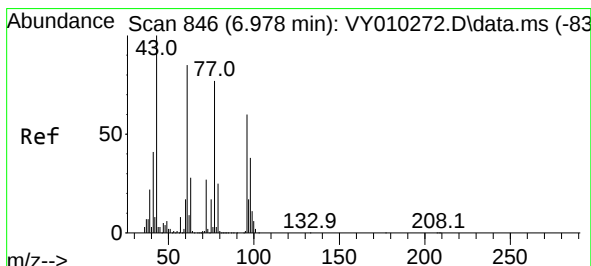
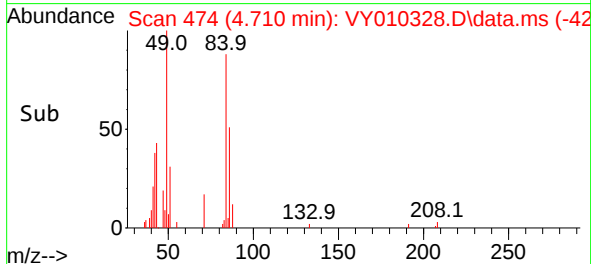
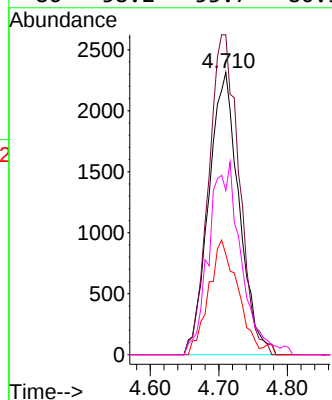
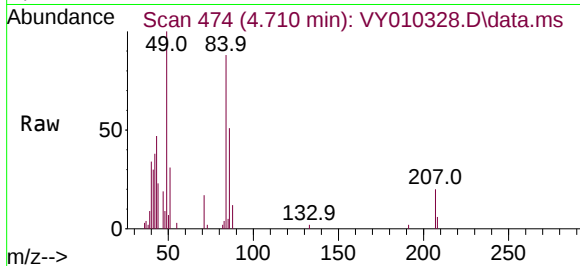




#20
Methylene Chloride
Concen: 2.073 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010328.D
Acq: 03 Sep 2022 18:19

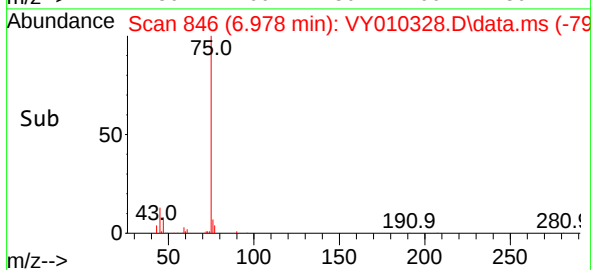
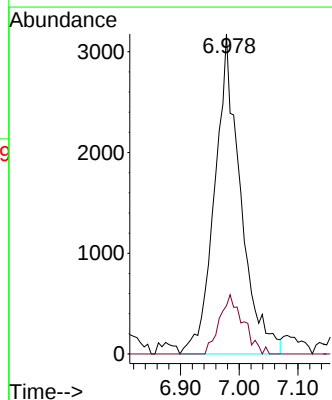
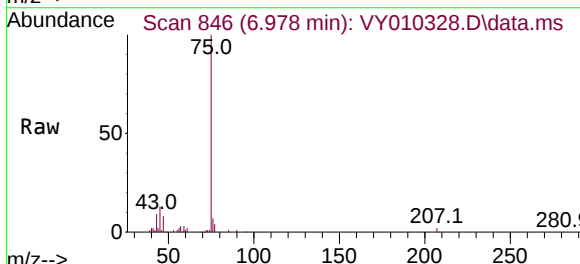
Instrument :
MSVOA_Y
ClientSampleId :
KTS2-MH-02-4-5

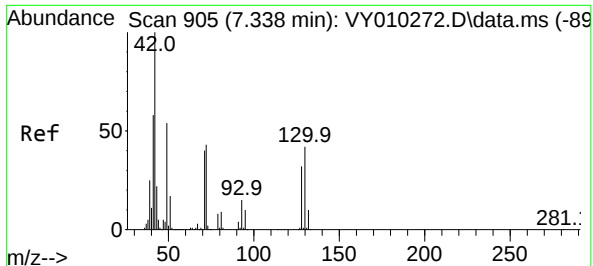
Tgt Ion:	84	Resp:	7128
Ion	Ratio	Lower	Upper
84	100		
49	113.4	114.4	171.6#
51	35.6	35.3	52.9
86	58.2	53.7	80.5



#25
2-Butanone
Concen: 8.310 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY010328.D
Acq: 03 Sep 2022 18:19

Tgt Ion:	43	Resp:	9717
Ion	Ratio	Lower	Upper
43	100		
72	15.0	17.7	26.5#





#29

Tetrahydrofuran

Concen: 1.308 ug/l

RT: 7.344 min Scan# 905

Delta R.T. 0.006 min

Lab File: VY010328.D

Acq: 03 Sep 2022 18:19

Instrument :

MSVOA_Y

ClientSampleId :

KTS2-MH-02-4-5

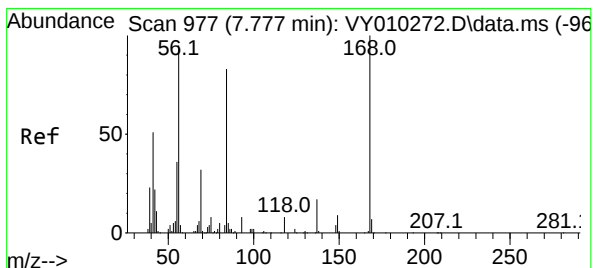
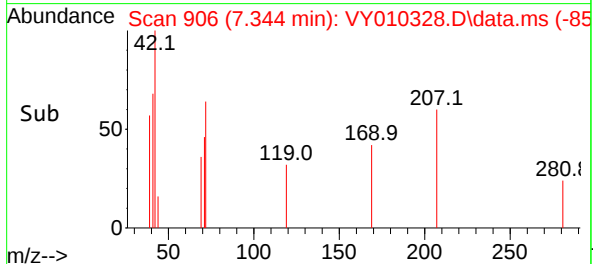
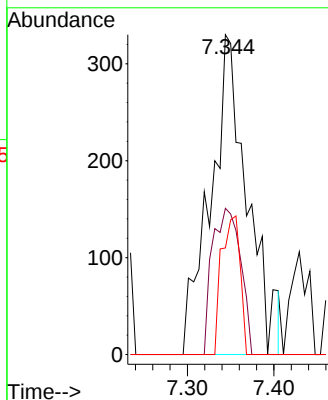
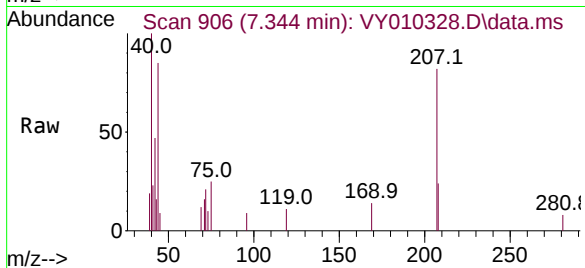
Tgt Ion: 42 Resp: 980

Ion Ratio Lower Upper

42 100

72 34.8 30.3 45.5

71 21.7 29.0 43.4#



#31

Cyclohexane

Concen: 1.983 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.000 min

Lab File: VY010328.D

Acq: 03 Sep 2022 18:19

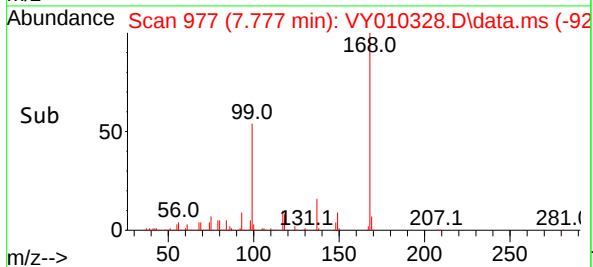
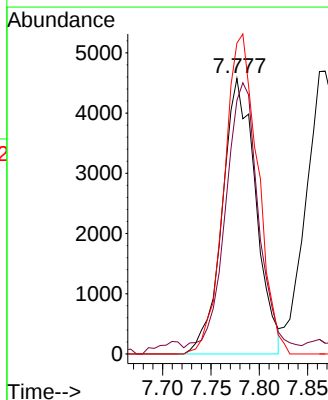
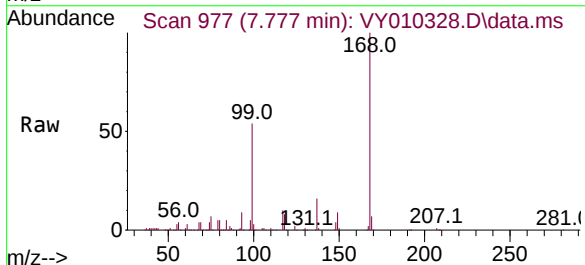
Tgt Ion: 56 Resp: 11023

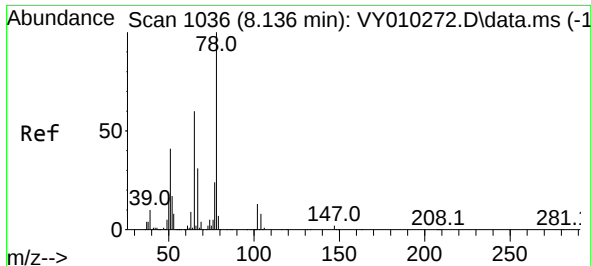
Ion Ratio Lower Upper

56 100

69 87.7 26.7 40.1#

84 112.8 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 51.684 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY010328.D

Acq: 03 Sep 2022 18:19

Instrument :

MSVOA_Y

ClientSampleId :

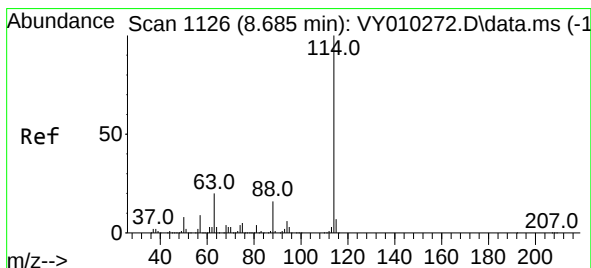
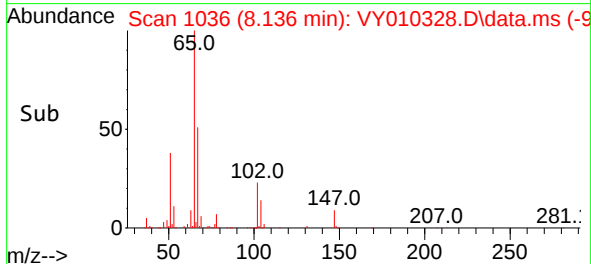
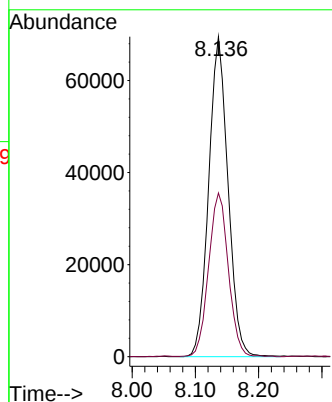
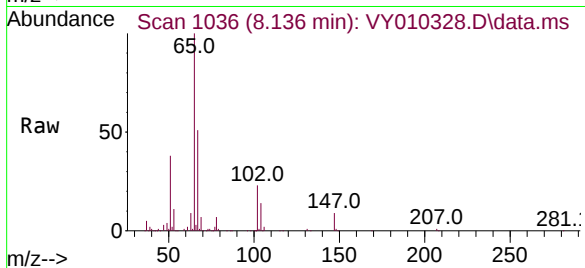
KTS2-MH-02-4-5

Tgt Ion: 65 Resp: 147306

Ion Ratio Lower Upper

65 100

67 52.4 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: VY010328.D

Acq: 03 Sep 2022 18:19

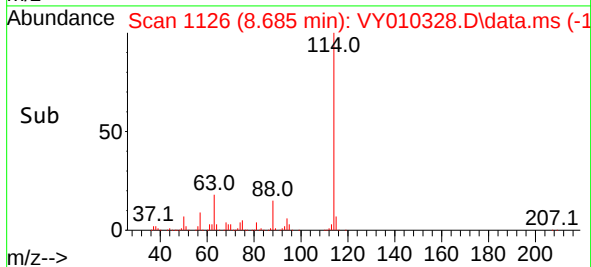
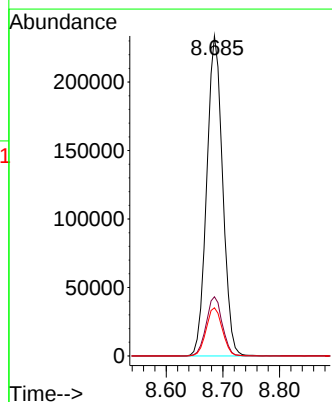
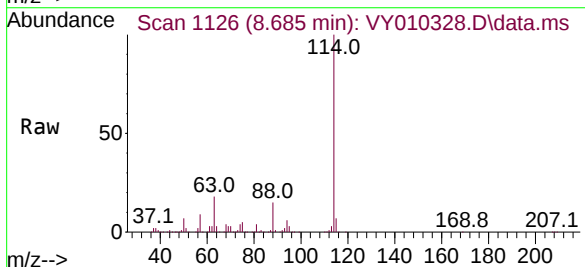
Tgt Ion: 114 Resp: 454581

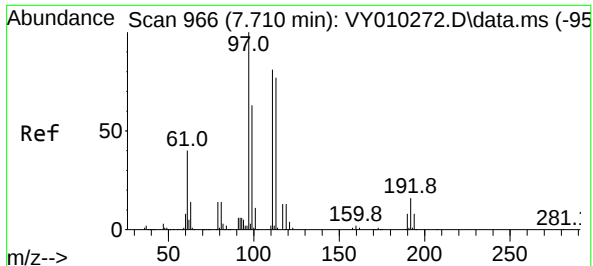
Ion Ratio Lower Upper

114 100

63 18.5 0.0 43.2

88 15.1 0.0 31.8

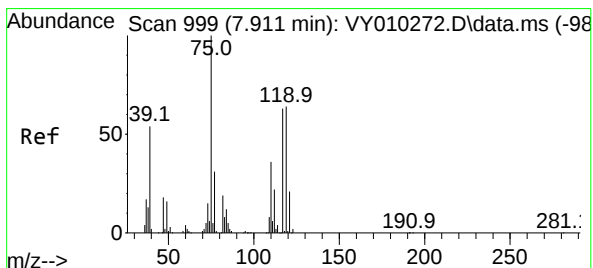
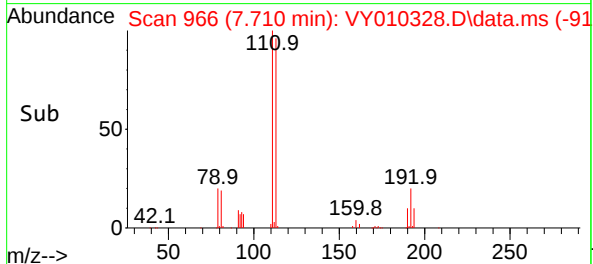
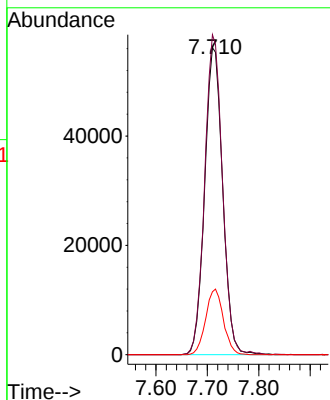
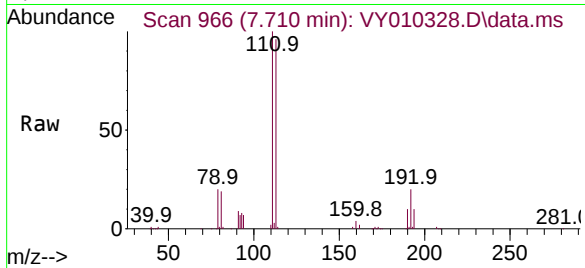




#35
Dibromofluoromethane
Concen: 45.072 ug/l
RT: 7.710 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY010328.D
Acq: 03 Sep 2022 18:19

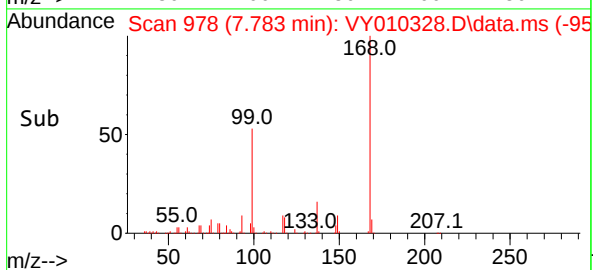
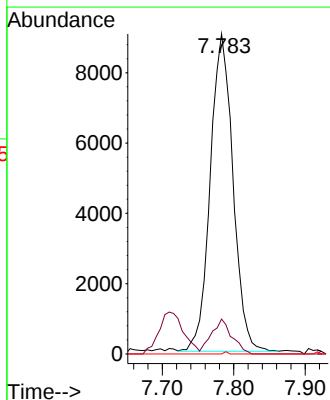
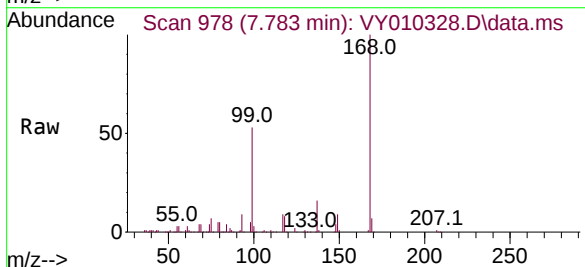
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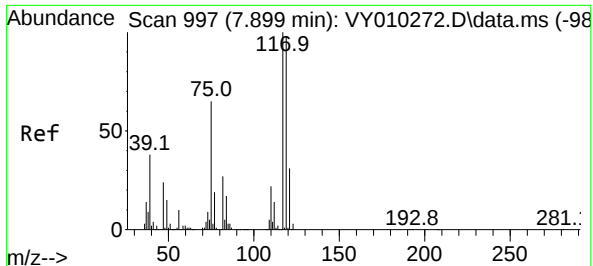
Tgt Ion:113 Resp: 136398
Ion Ratio Lower Upper
113 100
111 103.1 82.6 124.0
192 21.0 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.488 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010328.D
Acq: 03 Sep 2022 18:19

Tgt Ion: 75 Resp: 19928
Ion Ratio Lower Upper
75 100
110 9.9 17.1 51.2#
77 0.0 24.4 36.6#

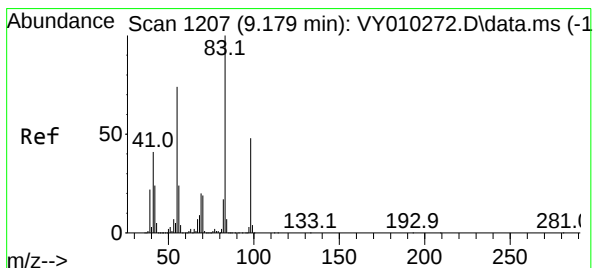
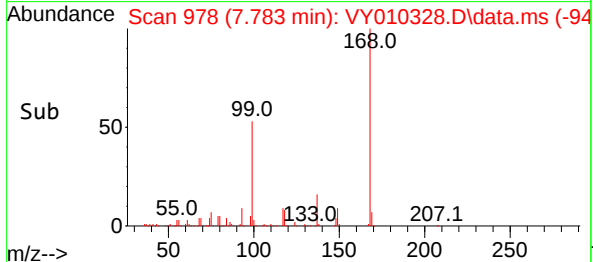
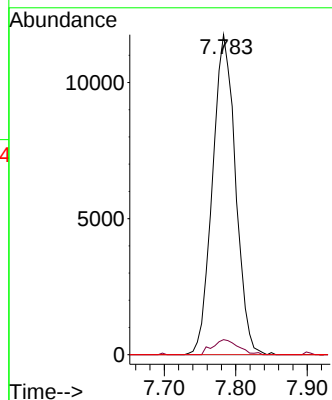
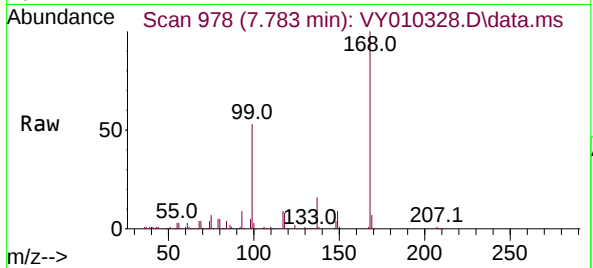




#38
Carbon Tetrachloride
Concen: 5.752 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY010328.D
Acq: 03 Sep 2022 18:19

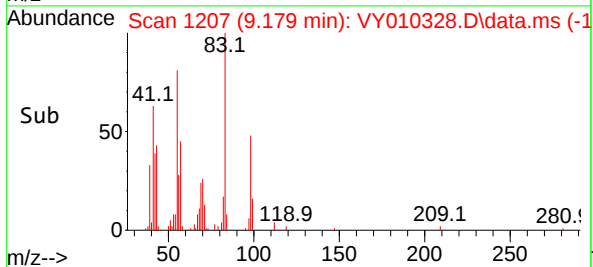
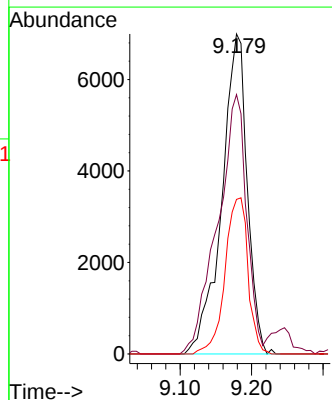
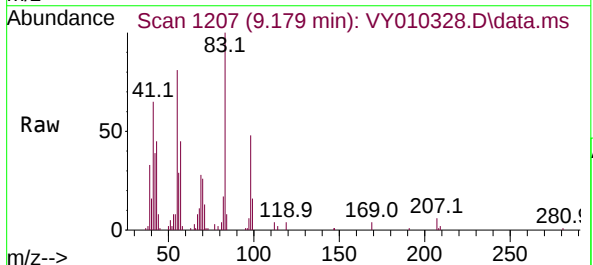
Instrument :
MSVOA_Y
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KTS2-MH-02-4-5

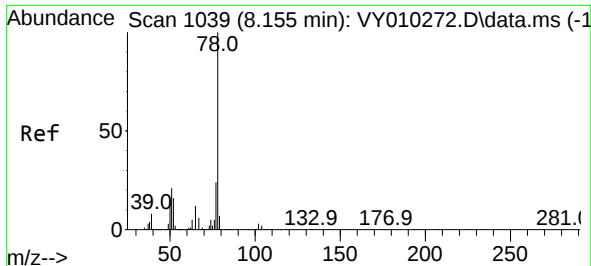
Tgt Ion:117 Resp: 26321
Ion Ratio Lower Upper
117 100
119 4.7 77.9 116.9#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 3.025 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. -0.000 min
Lab File: VY010328.D
Acq: 03 Sep 2022 18:19

Tgt Ion: 83 Resp: 17340
Ion Ratio Lower Upper
83 100
55 81.1 66.5 99.7
98 48.3 37.9 56.9

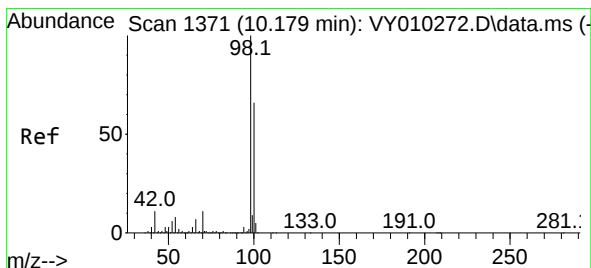
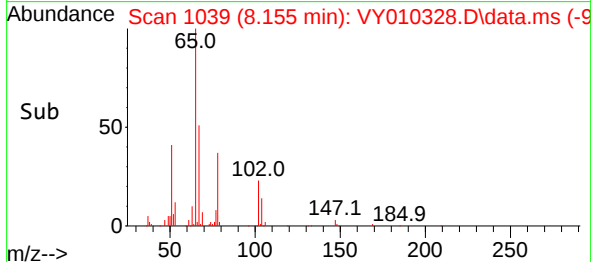
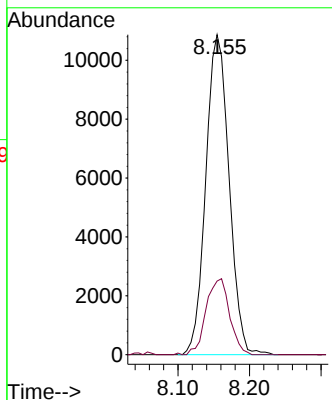
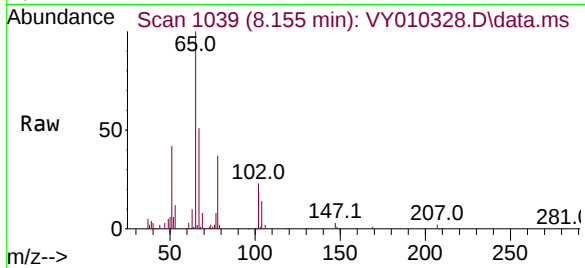




#40
Benzene
Concen: 1.932 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY010328.D
Acq: 03 Sep 2022 18:19

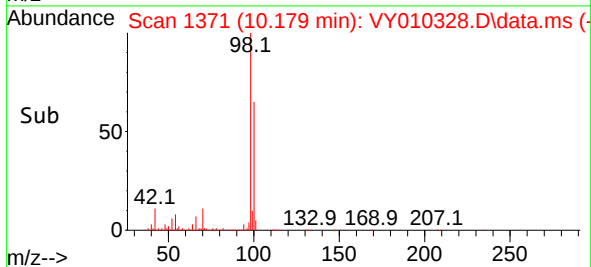
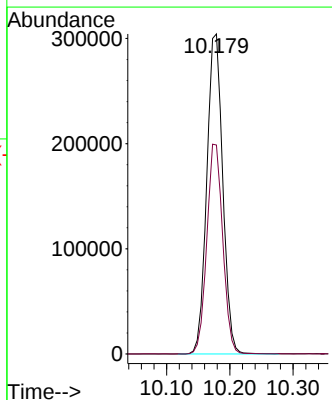
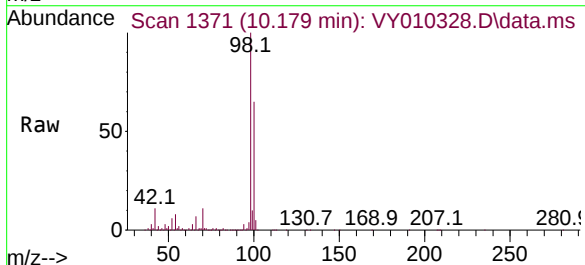
Instrument :
MSVOA_Y
ClientSampleId :
KTS2-MH-02-4-5

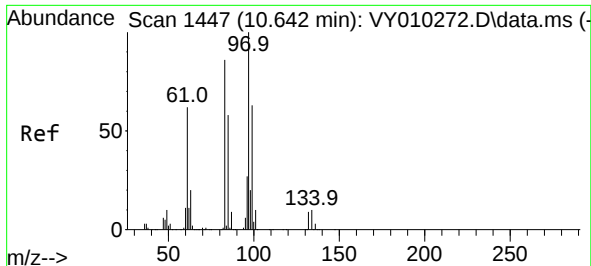
Tgt Ion: 78 Resp: 24565
Ion Ratio Lower Upper
78 100
77 23.0 20.4 30.6



#50
Toluene-d8
Concen: 52.634 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010328.D
Acq: 03 Sep 2022 18:19

Tgt Ion: 98 Resp: 533278
Ion Ratio Lower Upper
98 100
100 65.4 50.2 75.2

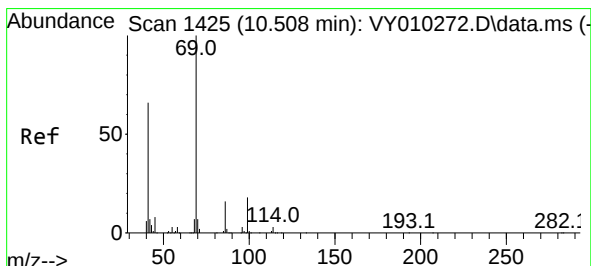
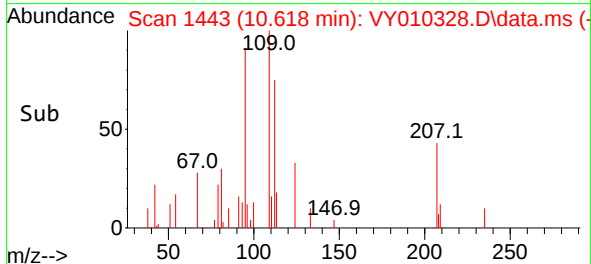
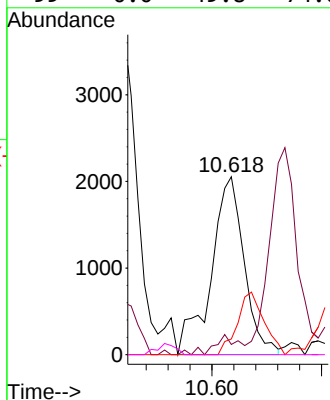
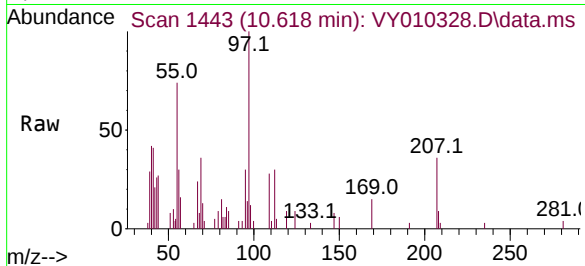




#55
1,1,2-Trichloroethane
Concen: 1.703 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.024 min
Lab File: VY010328.D
Acq: 03 Sep 2022 18:19

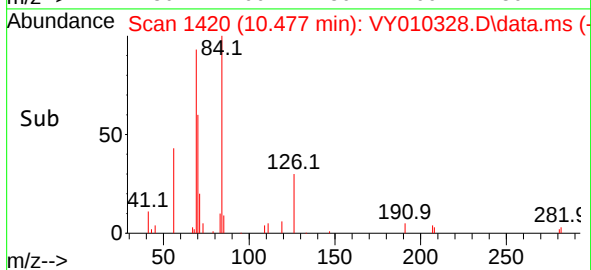
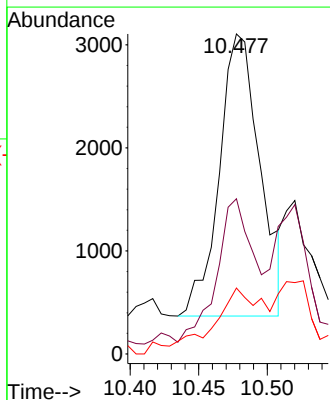
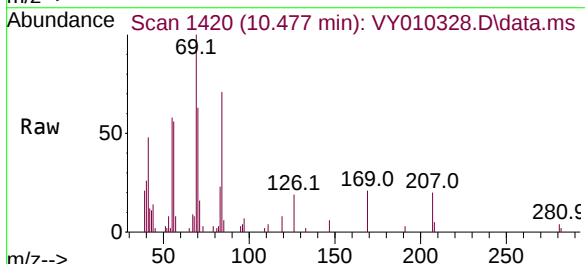
Instrument :
MSVOA_Y
ClientSampleId :
KTS2-MH-02-4-5

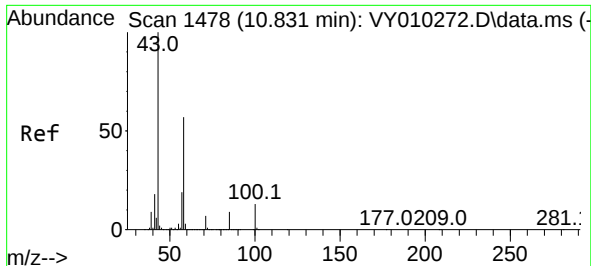
Tgt Ion: 97 Resp: 4301
Ion Ratio Lower Upper
97 100
83 5.8 69.8 104.8#
85 8.8 44.3 66.5#
99 0.0 49.8 74.6#



#56
Ethyl methacrylate
Concen: 1.522 ug/l
RT: 10.477 min Scan# 1420
Delta R.T. -0.031 min
Lab File: VY010328.D
Acq: 03 Sep 2022 18:19

Tgt Ion: 69 Resp: 5679
Ion Ratio Lower Upper
69 100
41 45.3 63.4 95.0#
39 29.8 35.8 53.8#

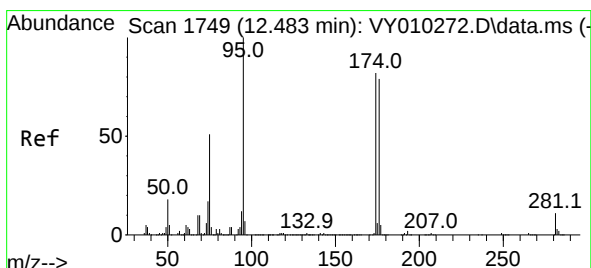
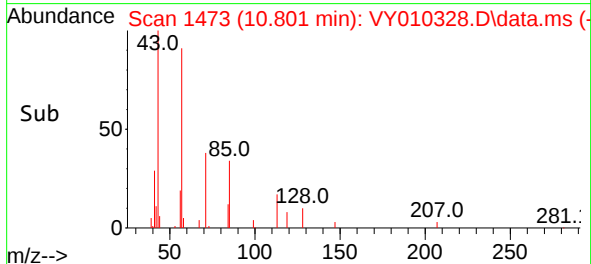
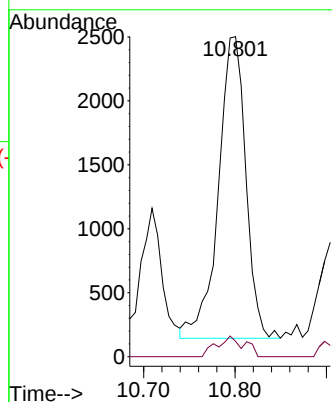
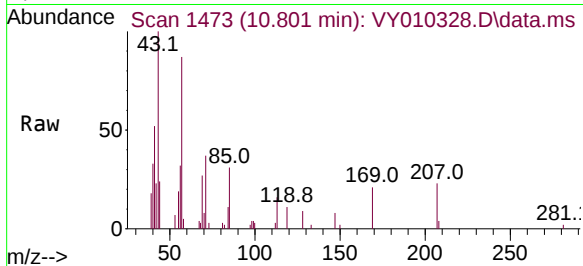




#59
2-Hexanone
Concen: 2.833 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.030 min
Lab File: VY010328.D
Acq: 03 Sep 2022 18:19

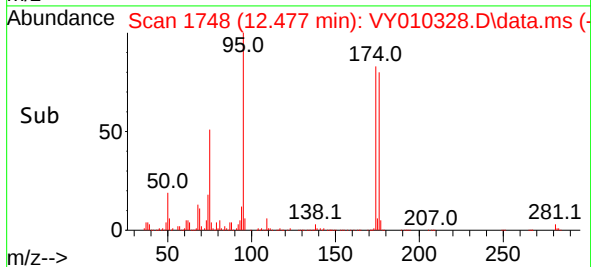
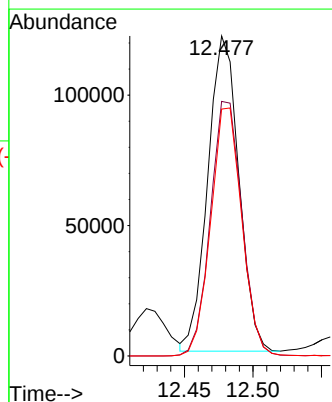
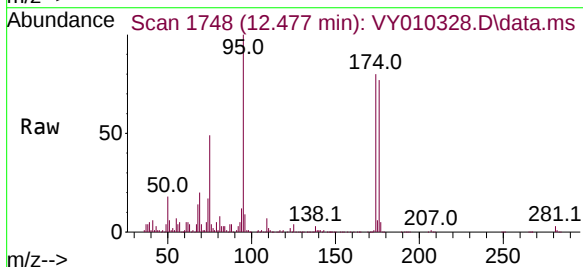
Instrument :
MSVOA_Y
ClientSampleId :
KTS2-MH-02-4-5

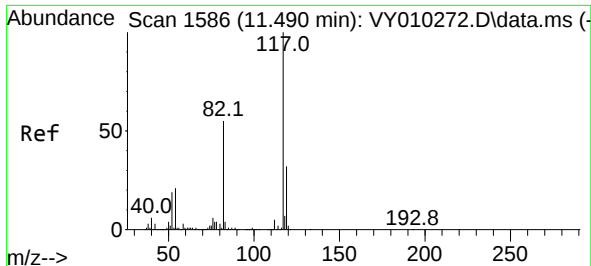
Tgt Ion: 43 Resp: 4919
Ion Ratio Lower Upper
43 100
58 6.8 24.4 73.4#



#62
4-Bromofluorobenzene
Concen: 46.438 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY010328.D
Acq: 03 Sep 2022 18:19

Tgt Ion: 95 Resp: 190253
Ion Ratio Lower Upper
95 100
174 82.2 0.0 177.0
176 79.1 0.0 175.8

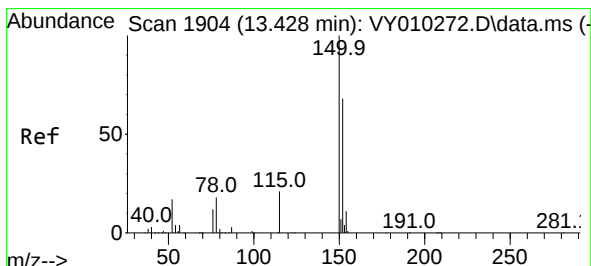
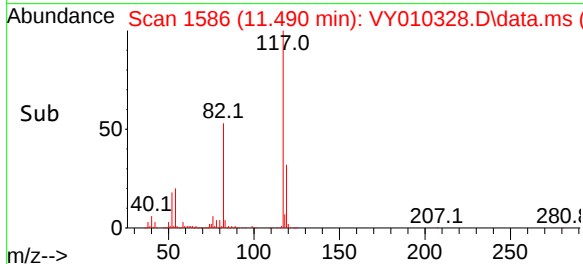
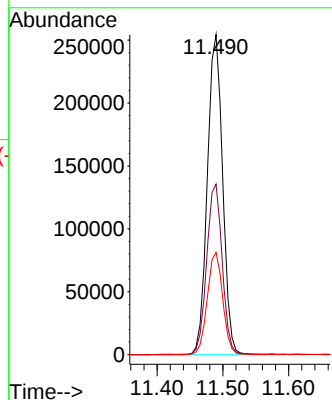
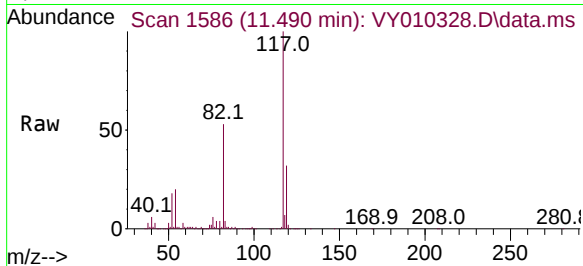




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY010328.D
Acq: 03 Sep 2022 18:19

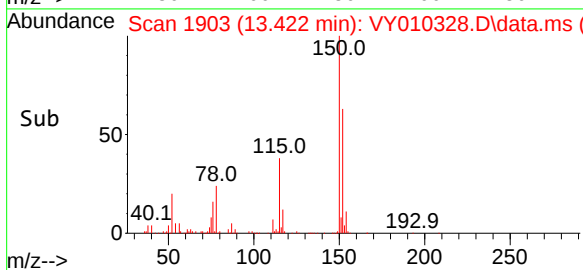
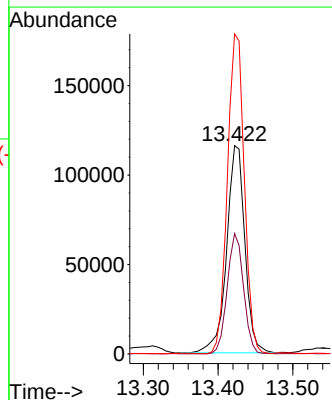
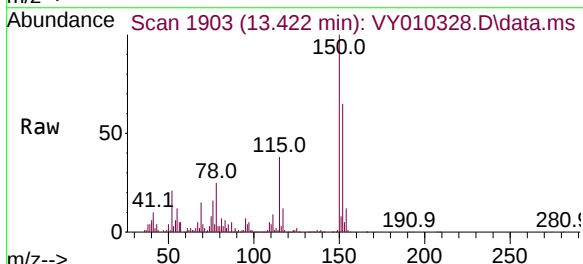
Instrument :
MSVOA_Y
ClientSampleId :
KTS2-MH-02-4-5

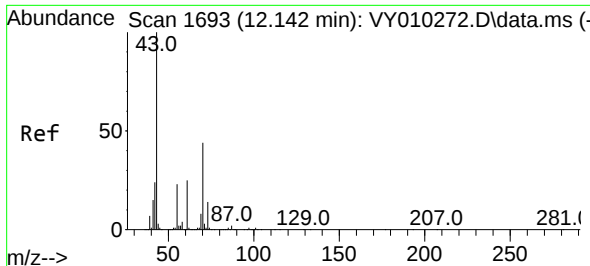
Tgt Ion:117 Resp: 411061
Ion Ratio Lower Upper
117 100
82 53.1 43.0 64.4
119 31.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY010328.D
Acq: 03 Sep 2022 18:19

Tgt Ion:152 Resp: 196699
Ion Ratio Lower Upper
152 100
115 51.9 28.2 84.7
150 142.9 0.0 347.6

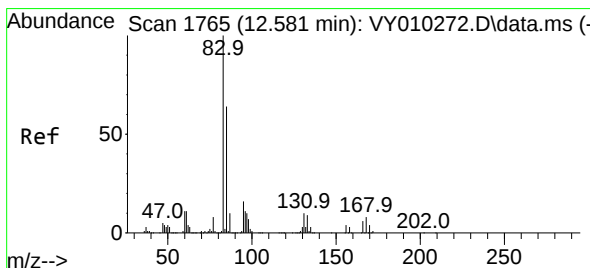
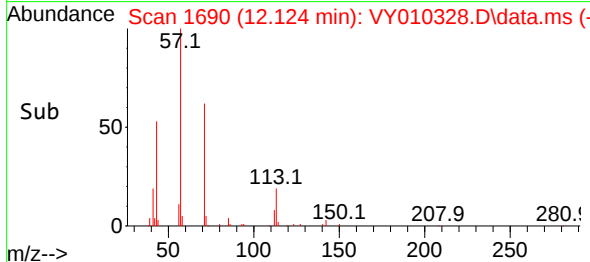
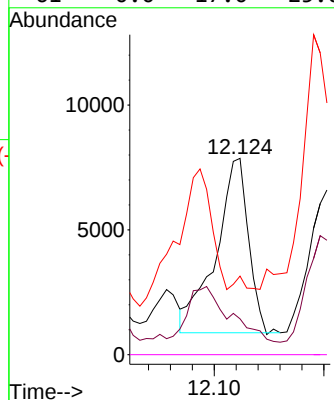
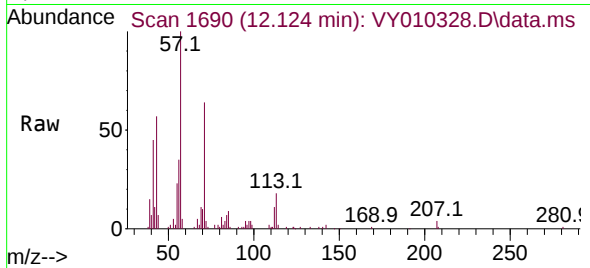




#74
N-amy1 acetate
Concen: 3.334 ug/l
RT: 12.124 min Scan# 1
Delta R.T. -0.018 min
Lab File: VY010328.D
Acq: 03 Sep 2022 18:19

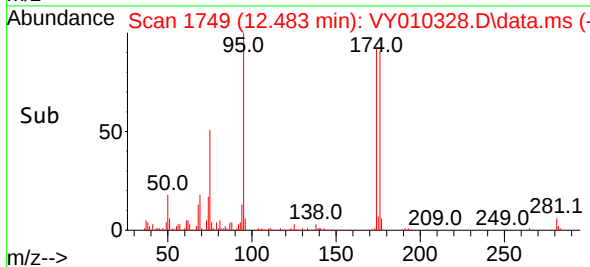
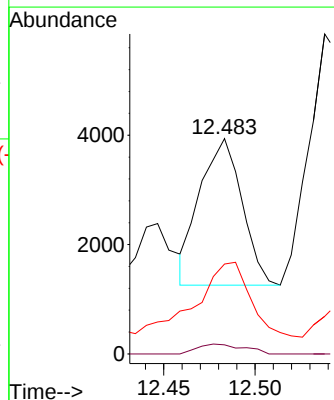
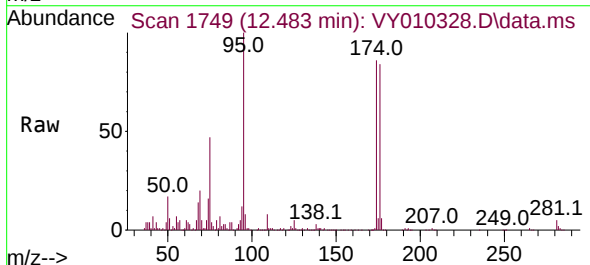
Instrument :
MSVOA_Y
ClientSampleId :
KTS2-MH-02-4-5

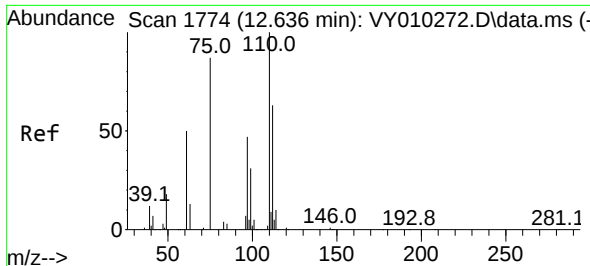
Tgt Ion: 43	Resp: 14436
Ion Ratio	Lower Upper
43	100
70	0.0 28.7 43.1#
55	0.0 17.3 25.9#
61	0.0 17.0 25.6#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.425 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.098 min
Lab File: VY010328.D
Acq: 03 Sep 2022 18:19

Tgt Ion: 83	Resp: 4298
Ion Ratio	Lower Upper
83	100
131	7.4 5.6 16.8
85	66.5 32.3 96.8

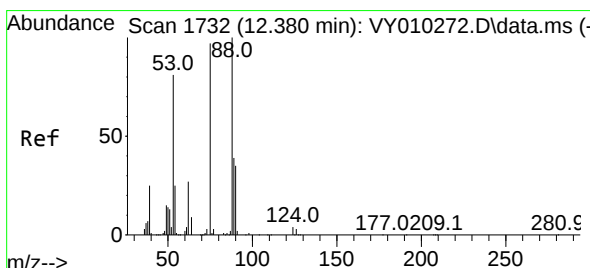
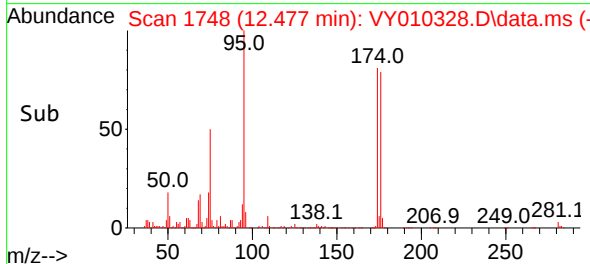
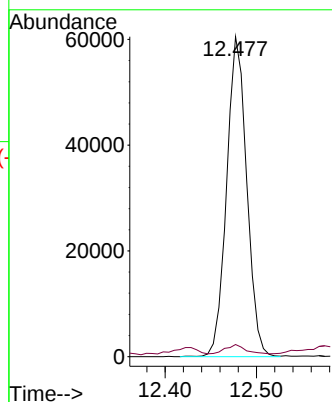
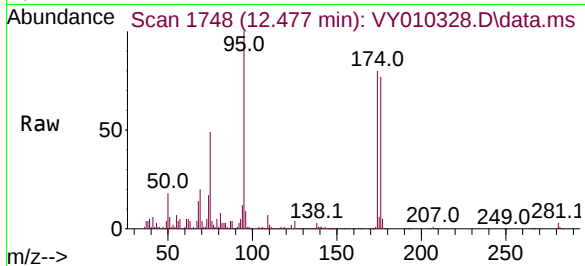




#76
1,2,3-Trichloropropane
Concen: 39.545 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY010328.D
Acq: 03 Sep 2022 18:19

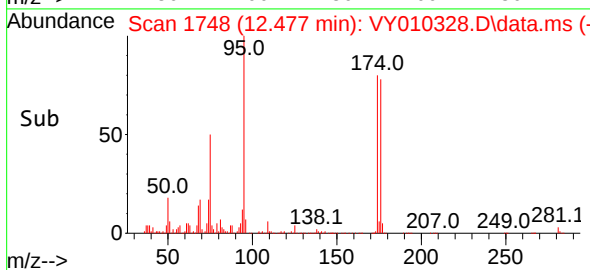
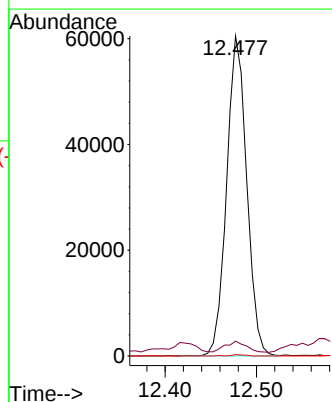
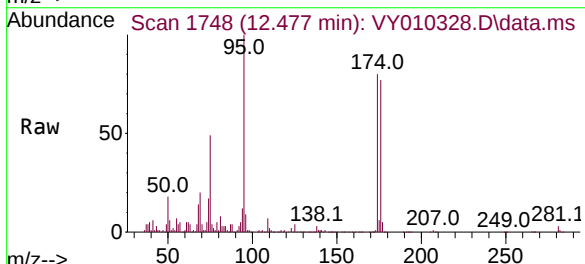
Instrument :
MSVOA_Y
ClientSampleId :
KTS2-MH-02-4-5

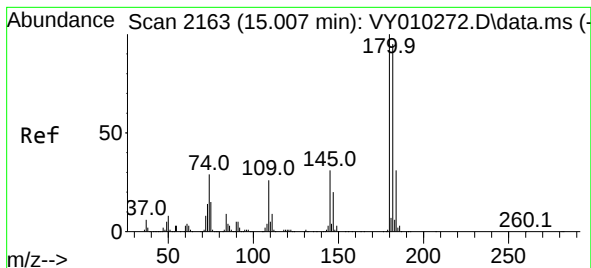
Tgt Ion: 75 Resp: 92566
Ion Ratio Lower Upper
75 100
77 2.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.495 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY010328.D
Acq: 03 Sep 2022 18:19

Tgt Ion: 75 Resp: 92566
Ion Ratio Lower Upper
75 100
53 3.5 85.3 127.9#
89 0.3 37.0 55.4#





#93

1,2,4-Trichlorobenzene

Concen: 1.396 ug/l

RT: 15.050 min Scan# 2163

Delta R.T. 0.043 min

Lab File: VY010328.D

Acq: 03 Sep 2022 18:19

Instrument :

MSVOA_Y

ClientSampleId :

KTS2-MH-02-4-5

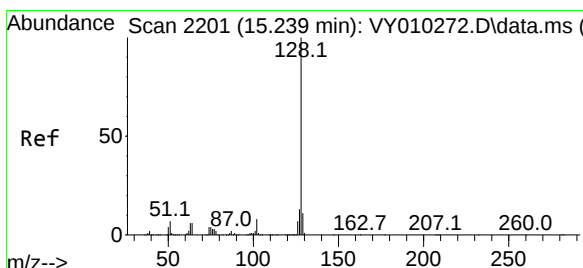
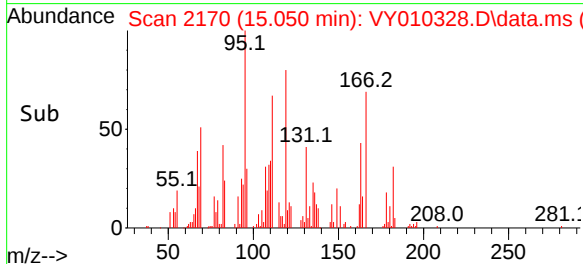
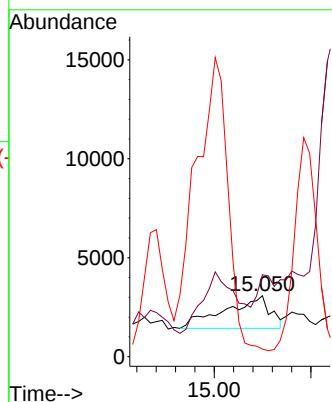
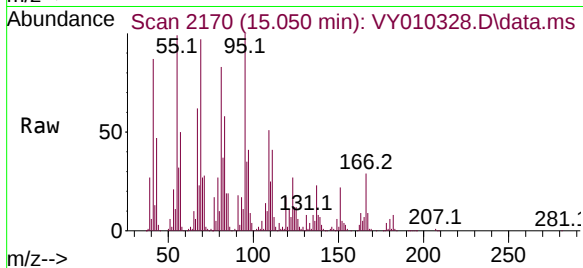
Tgt Ion:180 Resp: 5337

Ion Ratio Lower Upper

180 100

182 33.1 47.3 141.9#

145 0.0 14.6 43.8#



#95

Naphthalene

Concen: 1.018 ug/l

RT: 15.208 min Scan# 2196

Delta R.T. -0.031 min

Lab File: VY010328.D

Acq: 03 Sep 2022 18:19

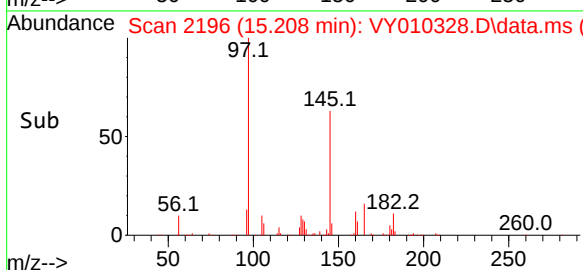
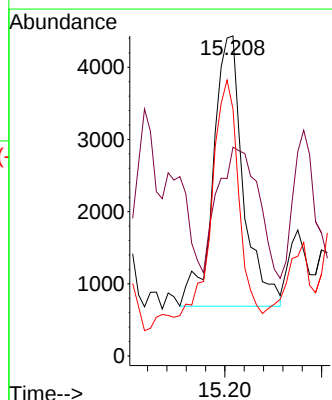
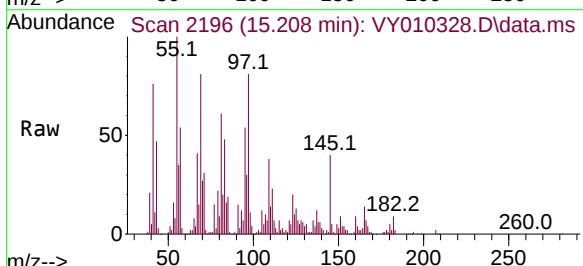
Tgt Ion:128 Resp: 8074

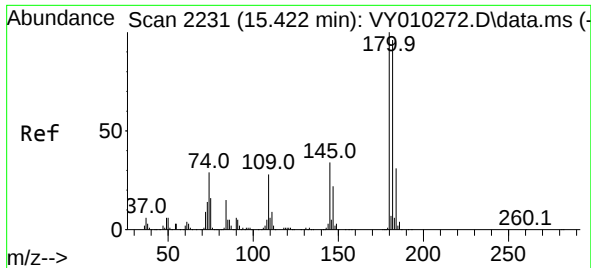
Ion Ratio Lower Upper

128 100

127 64.8 11.0 16.4#

129 76.6 8.4 12.6#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.976 ug/l
 RT: 15.446 min Scan# 21
 Delta R.T. 0.024 min
 Lab File: VY010328.D
 Acq: 03 Sep 2022 18:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 KTS2-MH-02-4-5

Tgt Ion:180 Resp: 6401
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.3 141.9#
 145 97.5 15.3 45.9#

