

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072822\
 Data File : VY009753.D
 Acq On : 28 Jul 2022 16:01
 Operator : KP/MD
 Sample : N3923-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-03-072722

Quant Time: Jul 29 02:57:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y072622S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 27 04:24:58 2022
 Response via : Initial Calibration

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

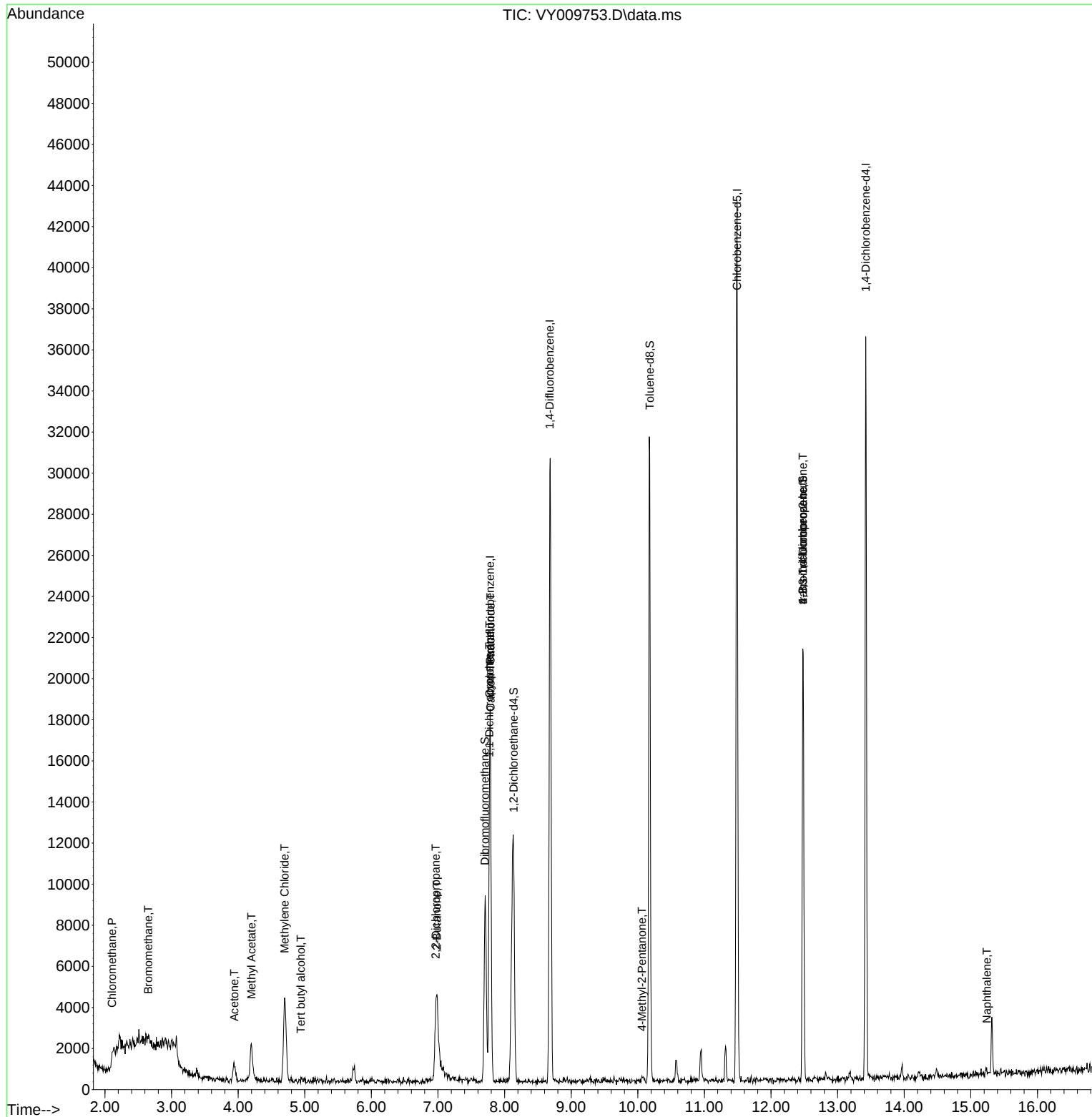
Internal Standards						
1) Pentafluorobenzene	7.783	168	14743	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	27624	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	24362	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	9655	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	7312	77.335	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 154.680%			
35) Dibromofluoromethane	7.703	113	6375	42.432	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 84.860%			
50) Toluene-d8	10.178	98	20925	47.621	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery = 95.240%			
62) 4-Bromofluorobenzene	12.477	95	5578	28.000	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery = 56.000%			
Target Compounds					Qvalue	
3) Chloromethane	2.107	50	202	1.257	ug/l #	44
5) Bromomethane	2.649	94	162	1.303	ug/l	99
11) Tert butyl alcohol	4.942	59	82	4.855	ug/l #	77
16) Acetone	3.942	43	1424	40.397	ug/l #	84
18) Methyl Acetate	4.198	43	594	5.436	ug/l #	56
20) Methylene Chloride	4.698	84	3004	10.007	ug/l	89
25) 2-Butanone	6.984	43	321	6.173	ug/l #	54
26) 2,2-Dichloropropane	6.966	77	260	1.119	ug/l #	55
31) Cyclohexane	7.776	56	329	1.403	ug/l #	11
36) 1,1-Dichloropropene	7.770	75	1212	4.958	ug/l #	42
38) Carbon Tetrachloride	7.789	117	1384	5.283	ug/l #	11
51) 4-Methyl-2-Pentanone	10.063	43	294	2.283	ug/l #	77
76) 1,2,3-Trichloropropane	12.477	75	3044	33.943	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	3044	67.657	ug/l #	7
95) Naphthalene	15.239	128	503	1.479	ug/l #	69

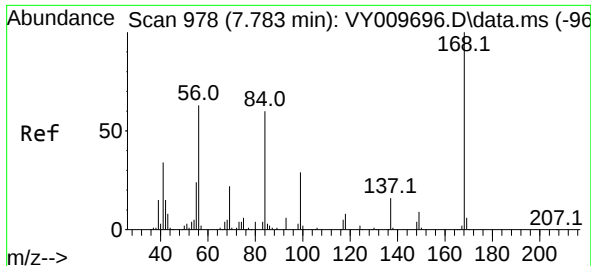
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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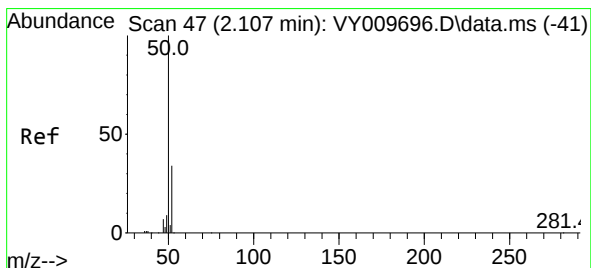
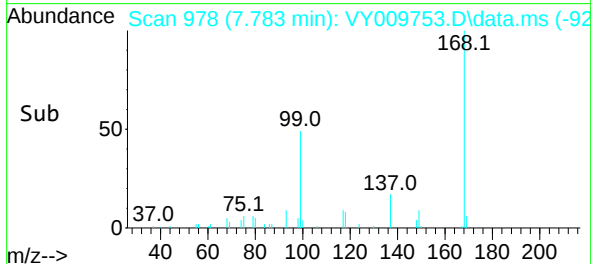
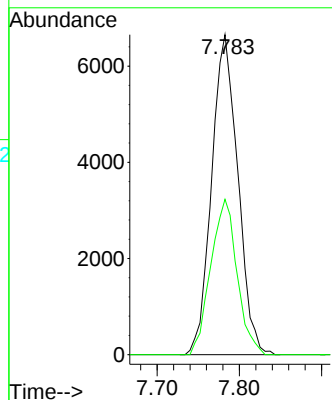
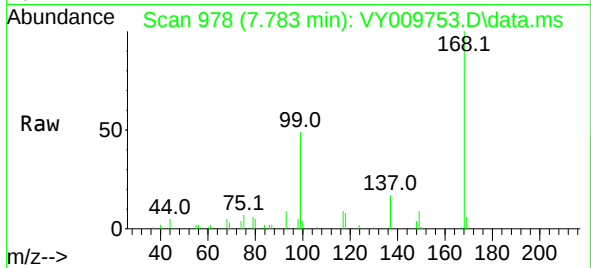




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009753.D
Acq: 28 Jul 2022 16:01

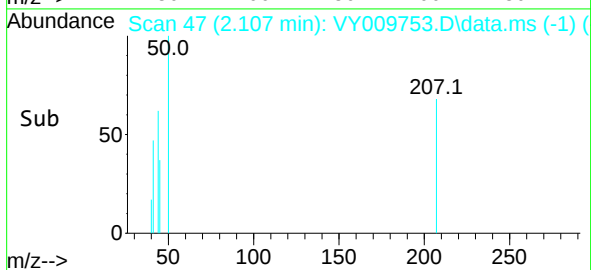
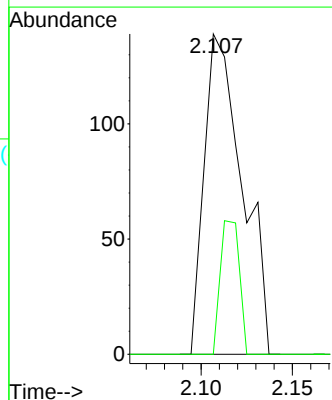
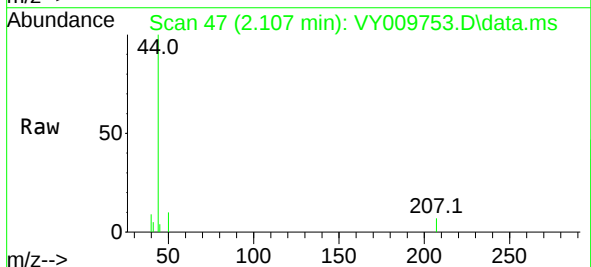
Instrument :
MSVOA_Y
ClientSampleId :
OK-03-072722

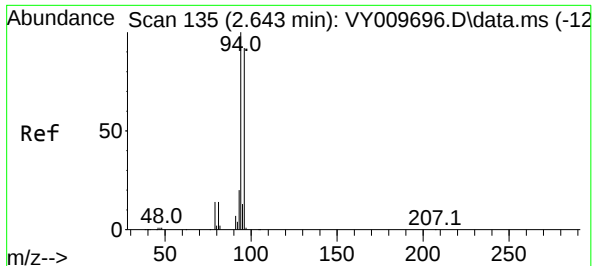
Tgt Ion:168 Resp: 14743
Ion Ratio Lower Upper
168 100
99 48.5 46.9 70.3



#3
Chloromethane
Concen: 1.257 ug/l
RT: 2.107 min Scan# 47
Delta R.T. -0.000 min
Lab File: VY009753.D
Acq: 28 Jul 2022 16:01

Tgt Ion: 50 Resp: 202
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

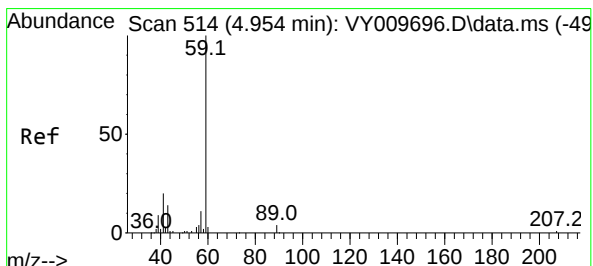
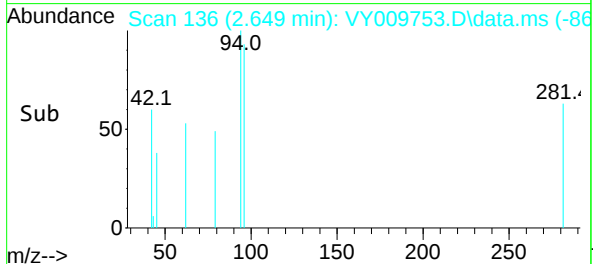
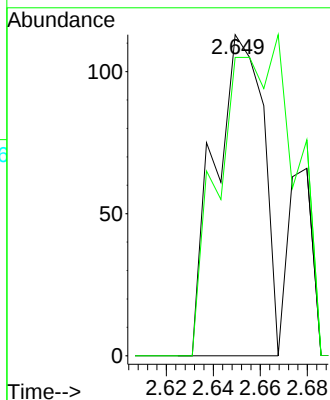
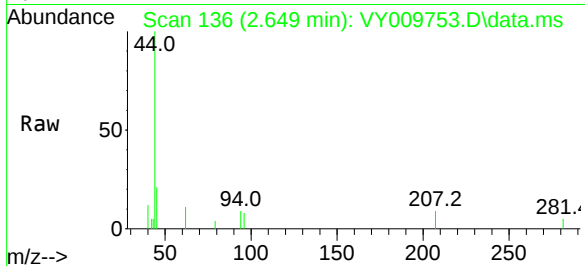




#5
Bromomethane
Concen: 1.303 ug/l
RT: 2.649 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY009753.D
Acq: 28 Jul 2022 16:01

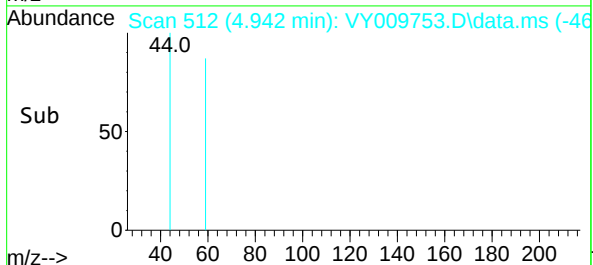
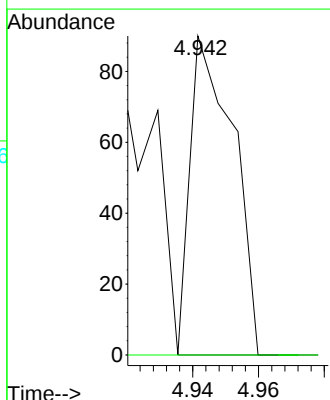
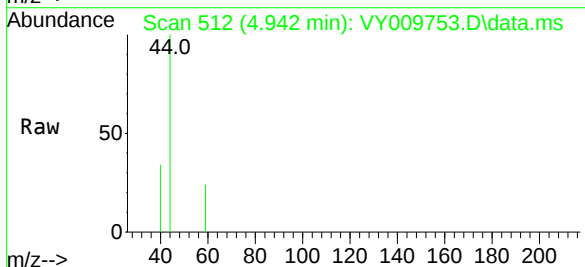
Instrument :
MSVOA_Y
ClientSampleId :
OK-03-072722

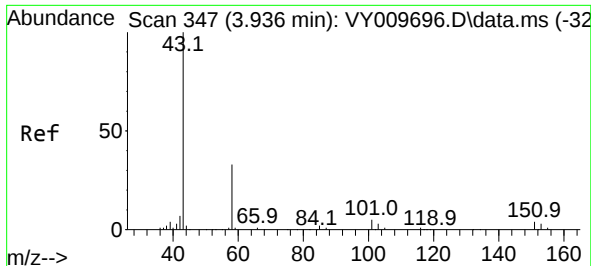
Tgt Ion: 94 Resp: 162
Ion Ratio Lower Upper
94 100
96 92.9 73.5 110.3



#11
Tert butyl alcohol
Concen: 4.855 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.012 min
Lab File: VY009753.D
Acq: 28 Jul 2022 16:01

Tgt Ion: 59 Resp: 82
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

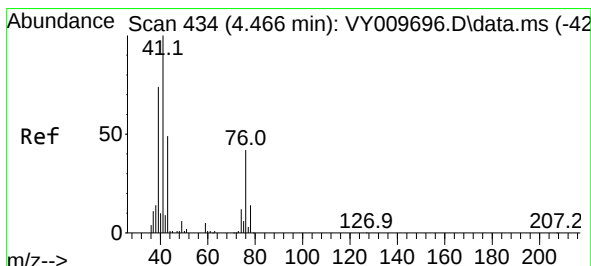
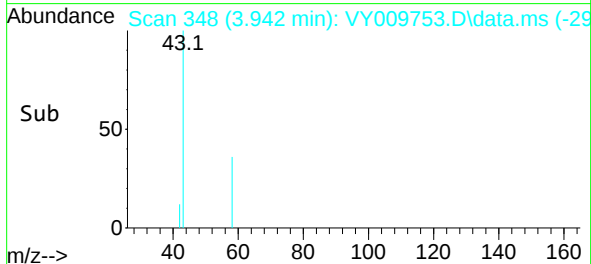
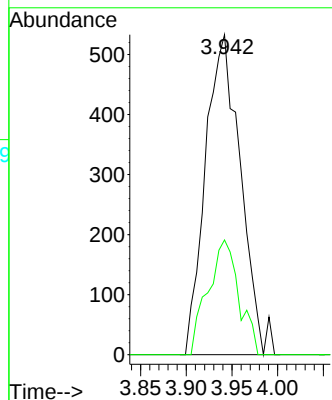
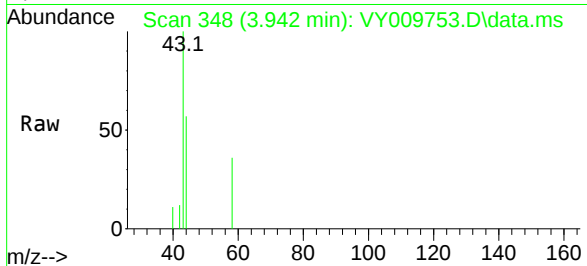




#16
Acetone
Concen: 40.397 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY009753.D
Acq: 28 Jul 2022 16:01

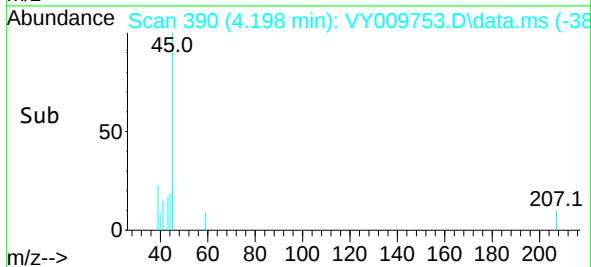
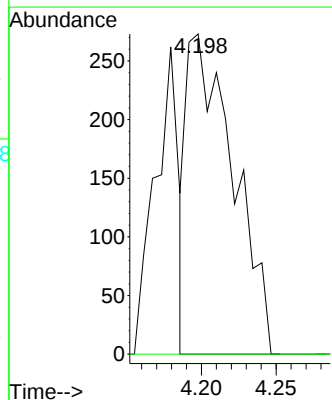
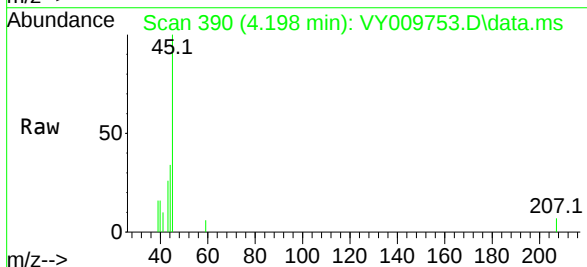
Instrument :
MSVOA_Y
ClientSampleId :
OK-03-072722

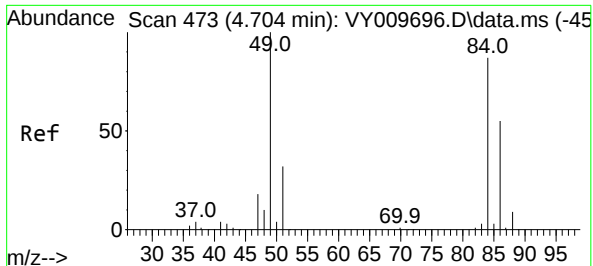
Tgt Ion: 43 Resp: 1424
Ion Ratio Lower Upper
43 100
58 35.8 22.0 33.0#



#18
Methyl Acetate
Concen: 5.436 ug/l
RT: 4.198 min Scan# 390
Delta R.T. -0.268 min
Lab File: VY009753.D
Acq: 28 Jul 2022 16:01

Tgt Ion: 43 Resp: 594
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





#20

Methylene Chloride

Concen: 10.007 ug/l

RT: 4.698 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY009753.D

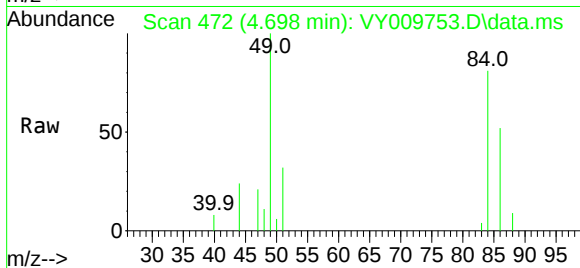
Acq: 28 Jul 2022 16:01

Instrument :

MSVOA_Y

ClientSampleId :

OK-03-072722



Tgt Ion: 84 Resp: 3004

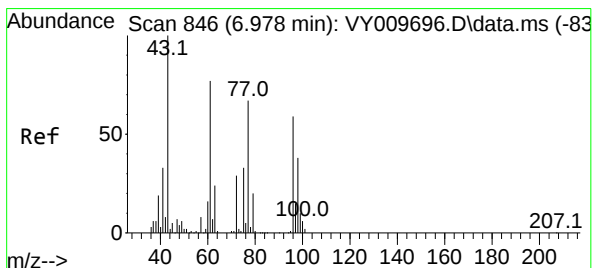
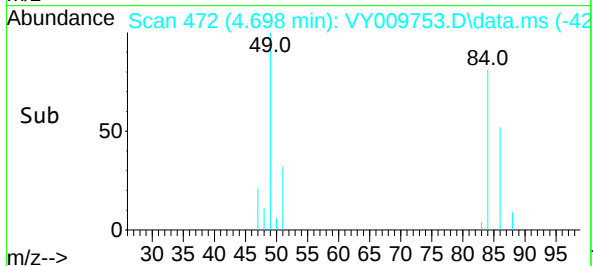
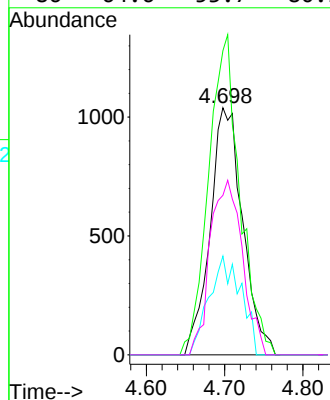
Ion Ratio Lower Upper

84 100

49 123.2 114.4 171.6

51 39.9 35.3 52.9

86 64.6 53.7 80.5



#25

2-Butanone

Concen: 6.173 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY009753.D

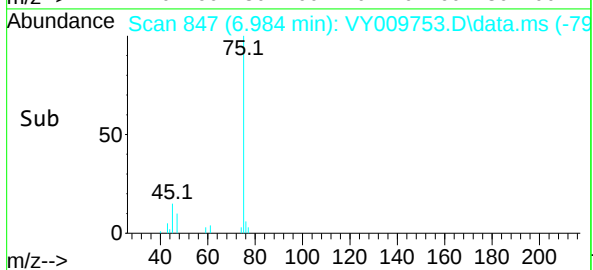
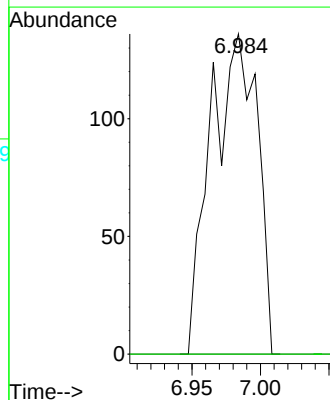
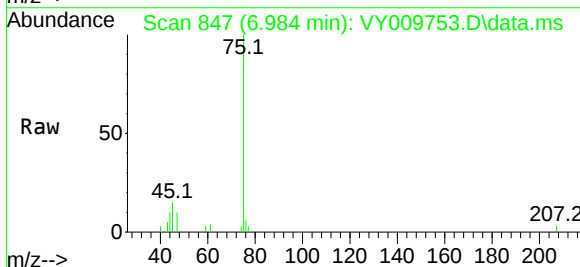
Acq: 28 Jul 2022 16:01

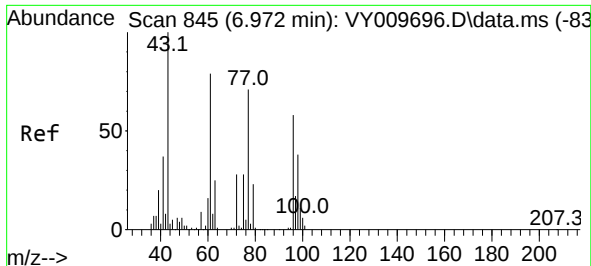
Tgt Ion: 43 Resp: 321

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#





#26

2,2-Dichloropropane

Concen: 1.119 ug/l

RT: 6.966 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY009753.D

Acq: 28 Jul 2022 16:01

Instrument :

MSVOA_Y

ClientSampleId :

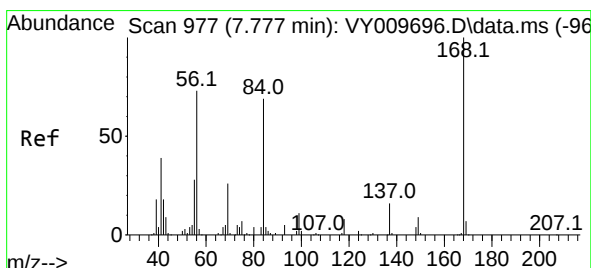
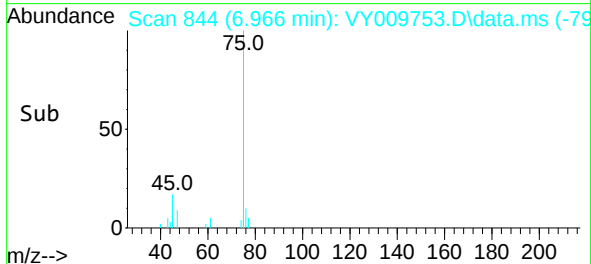
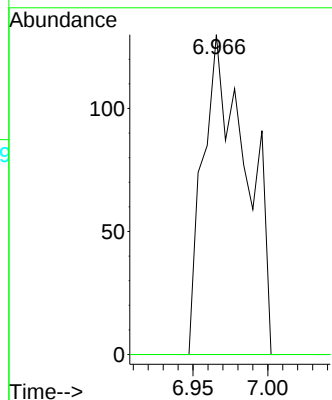
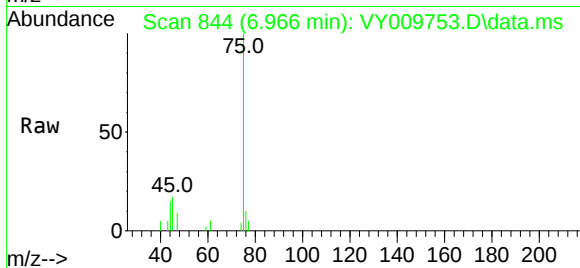
OK-03-072722

Tgt Ion: 77 Resp: 260

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#31

Cyclohexane

Concen: 1.403 ug/l

RT: 7.776 min Scan# 977

Delta R.T. -0.001 min

Lab File: VY009753.D

Acq: 28 Jul 2022 16:01

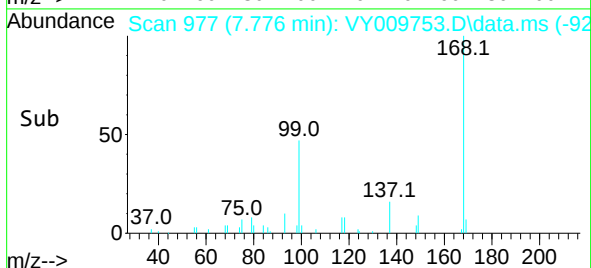
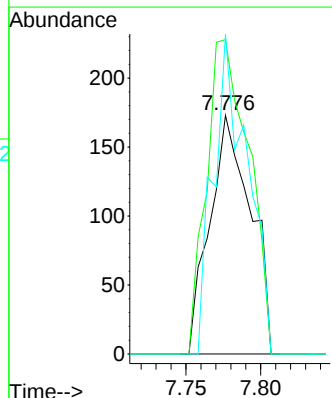
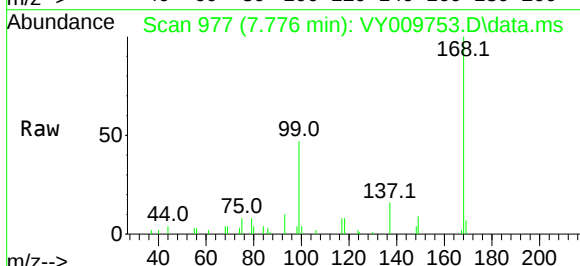
Tgt Ion: 56 Resp: 329

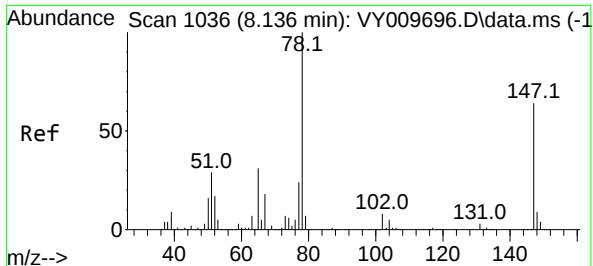
Ion Ratio Lower Upper

56 100

69 131.8 26.7 40.1#

84 134.1 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 77.335 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY009753.D

Acq: 28 Jul 2022 16:01

Instrument :

MSVOA_Y

ClientSampleId :

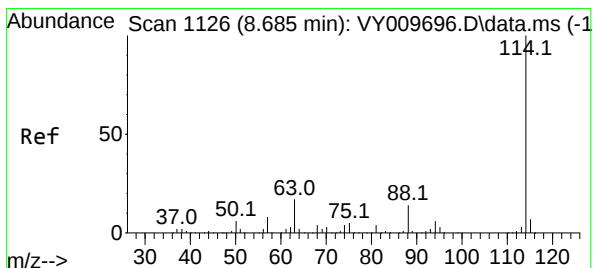
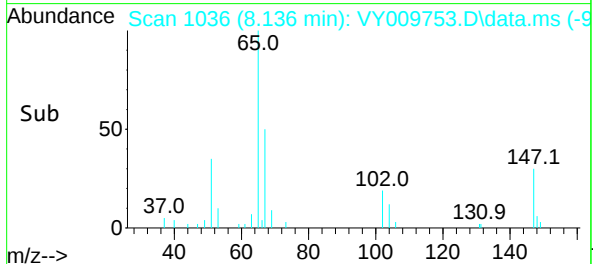
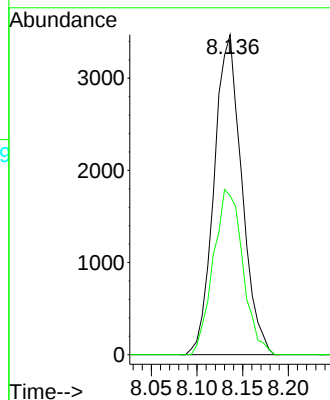
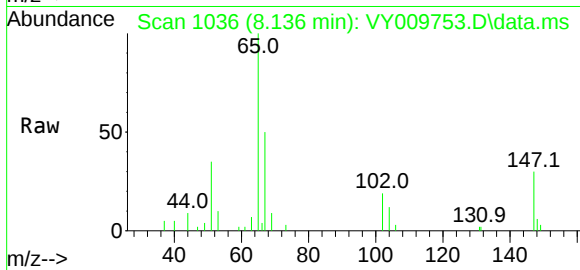
OK-03-072722

Tgt Ion: 65 Resp: 7312

Ion Ratio Lower Upper

65 100

67 55.2 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.679 min Scan# 1125

Delta R.T. -0.006 min

Lab File: VY009753.D

Acq: 28 Jul 2022 16:01

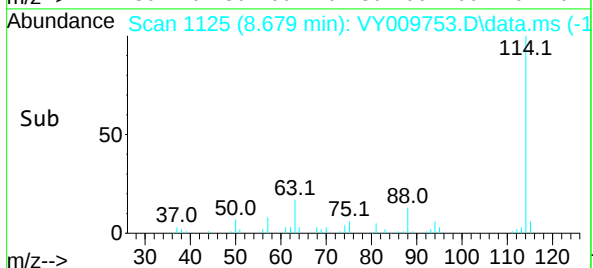
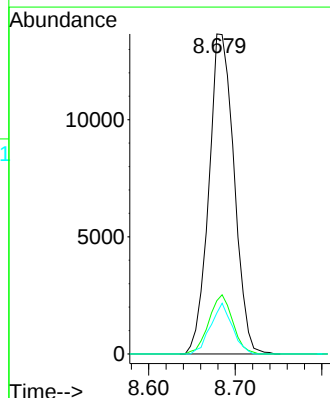
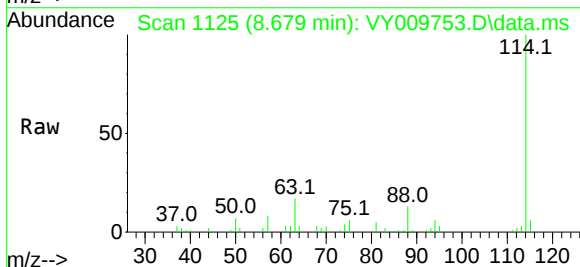
Tgt Ion: 114 Resp: 27624

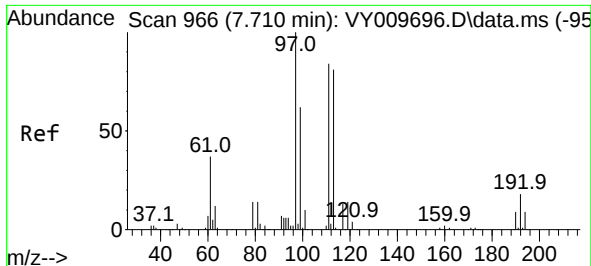
Ion Ratio Lower Upper

114 100

63 16.6 0.0 43.2

88 12.8 0.0 31.8

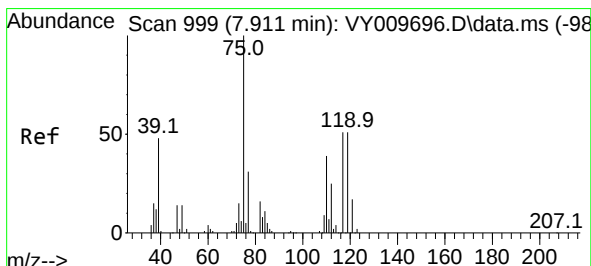
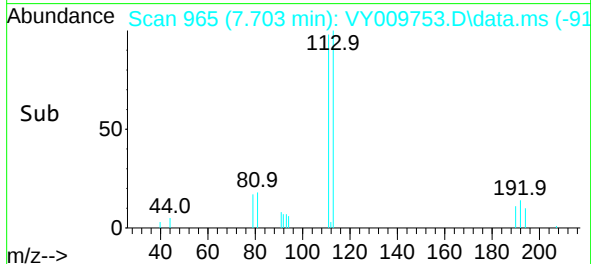
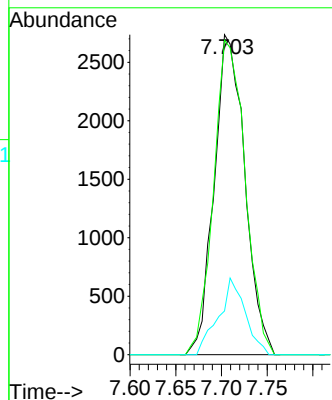
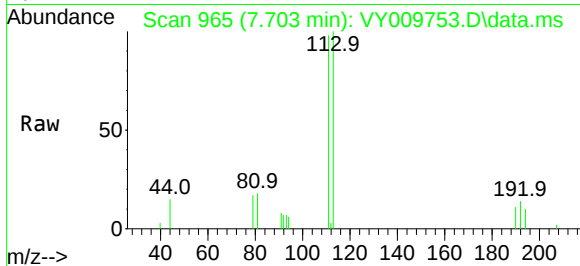




#35
Dibromofluoromethane
Concen: 42.432 ug/l
RT: 7.703 min Scan# 911
Delta R.T. -0.007 min
Lab File: VY009753.D
Acq: 28 Jul 2022 16:01

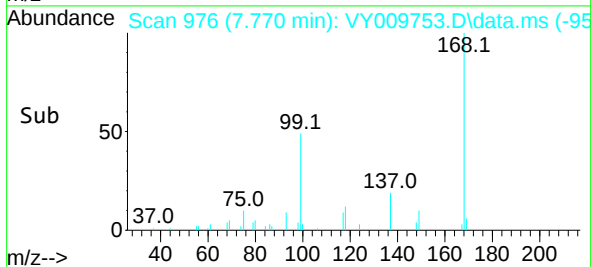
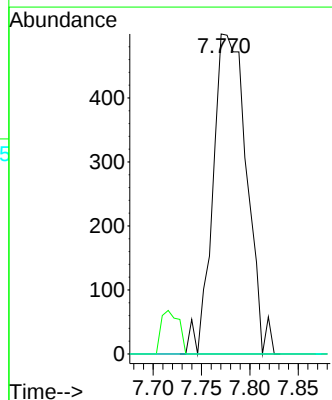
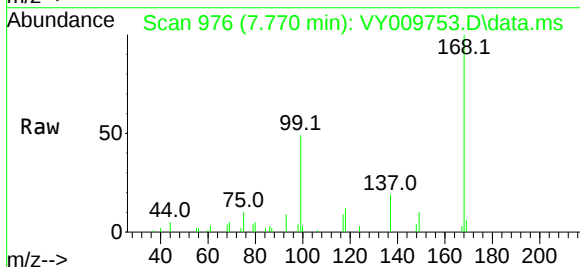
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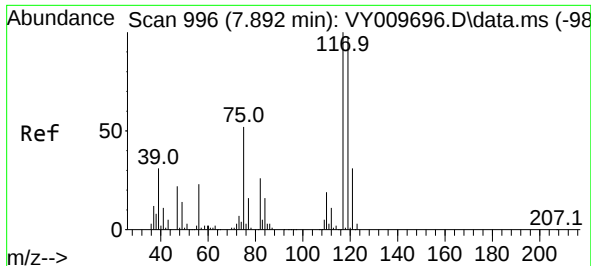
Tgt Ion:113 Resp: 6375
Ion Ratio Lower Upper
113 100
111 101.1 82.6 124.0
192 20.9 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.958 ug/l
RT: 7.770 min Scan# 976
Delta R.T. -0.141 min
Lab File: VY009753.D
Acq: 28 Jul 2022 16:01

Tgt Ion: 75 Resp: 1212
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.2#
77 0.0 24.4 36.6#

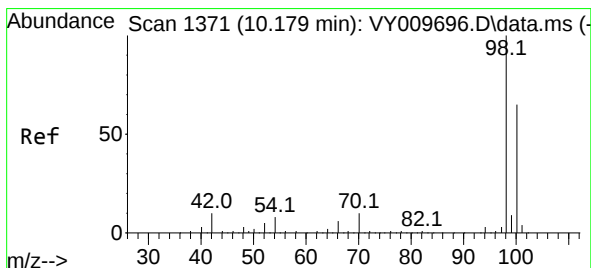
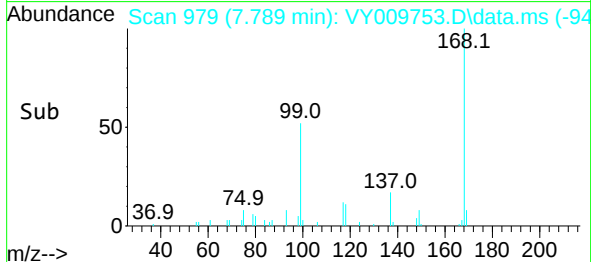
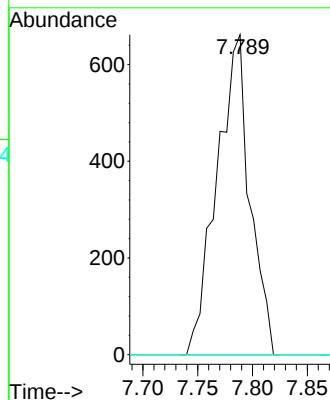
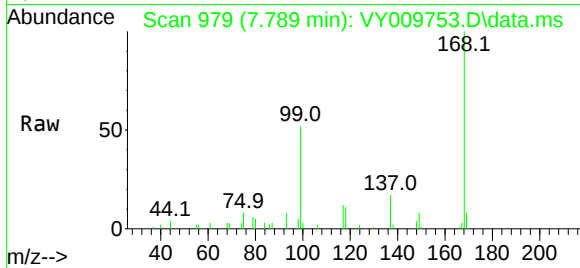




#38
Carbon Tetrachloride
Concen: 5.283 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY009753.D
Acq: 28 Jul 2022 16:01

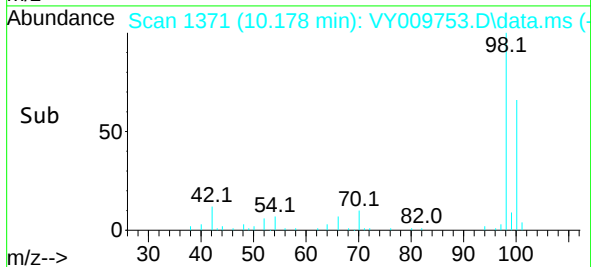
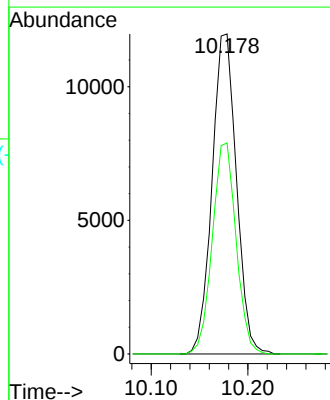
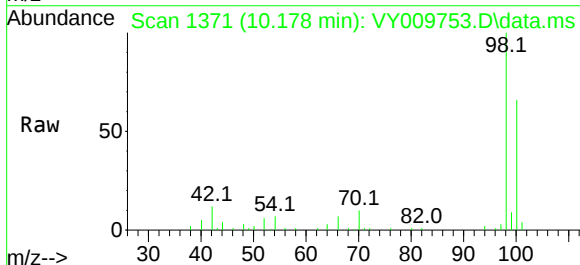
Instrument :
MSVOA_Y
ClientSampleId :
OK-03-072722

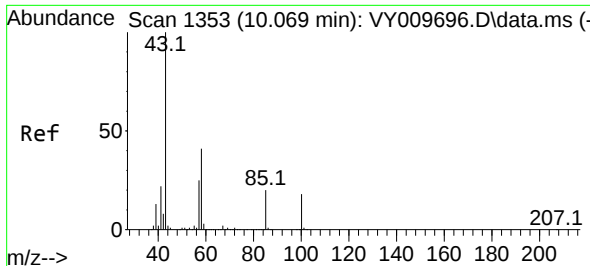
Tgt Ion:117 Resp: 1384
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 47.621 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY009753.D
Acq: 28 Jul 2022 16:01

Tgt Ion: 98 Resp: 20925
Ion Ratio Lower Upper
98 100
100 64.2 50.2 75.2

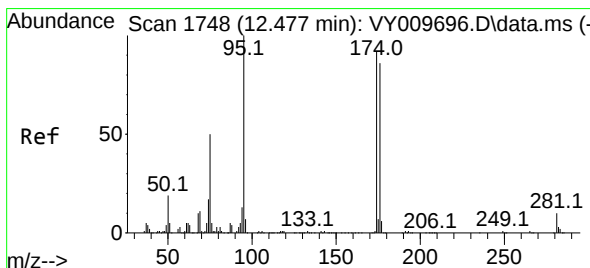
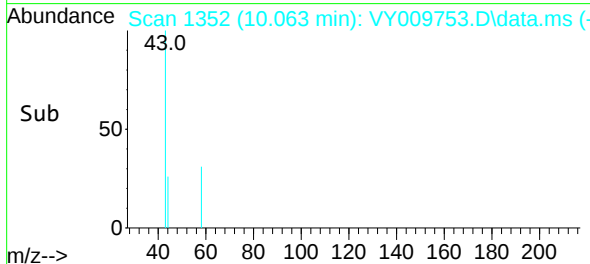
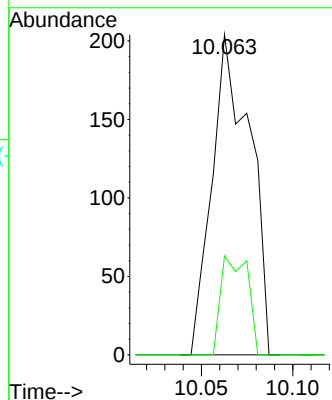
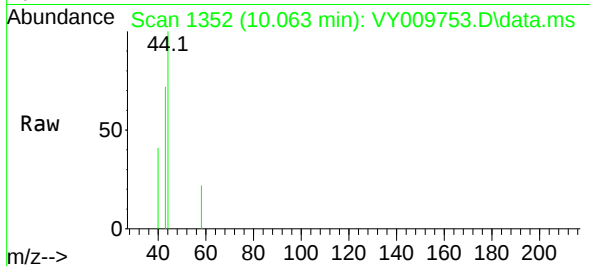




#51
4-Methyl-2-Pentanone
Concen: 2.283 ug/l
RT: 10.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY009753.D
Acq: 28 Jul 2022 16:01

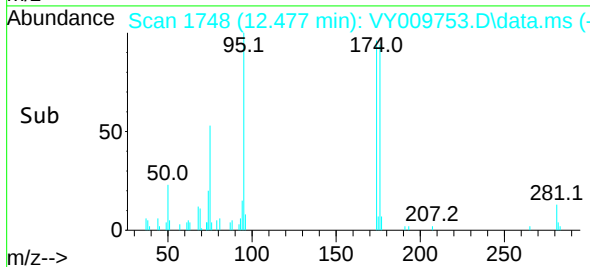
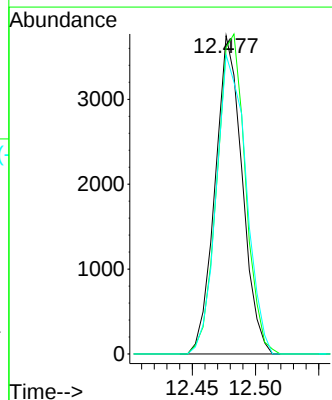
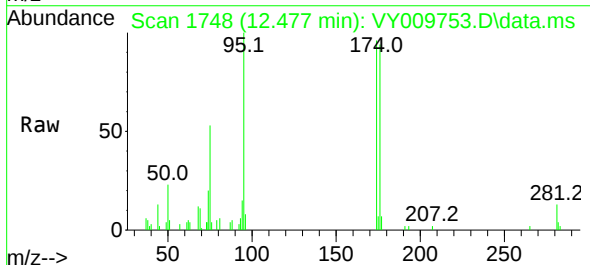
Instrument :
MSVOA_Y
ClientSampleId :
OK-03-072722

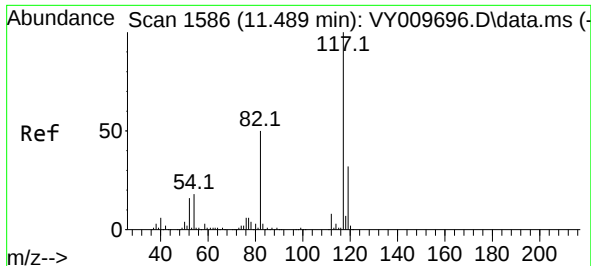
Tgt Ion: 43 Resp: 294
Ion Ratio Lower Upper
43 100
58 21.8 28.1 42.1#



#62
4-Bromofluorobenzene
Concen: 28.000 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY009753.D
Acq: 28 Jul 2022 16:01

Tgt Ion: 95 Resp: 5578
Ion Ratio Lower Upper
95 100
174 105.4 0.0 177.0
176 103.2 0.0 175.8

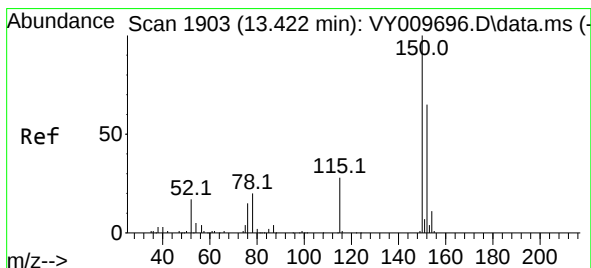
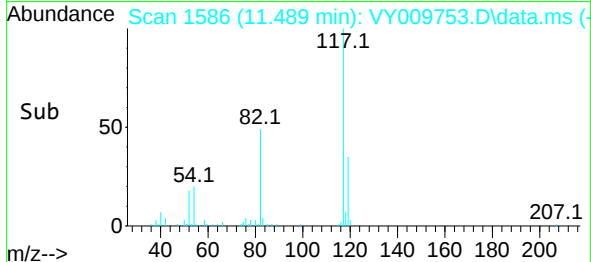
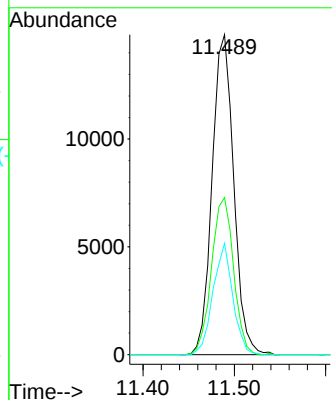
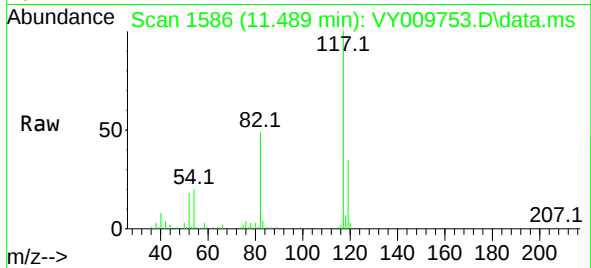




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY009753.D
Acq: 28 Jul 2022 16:01

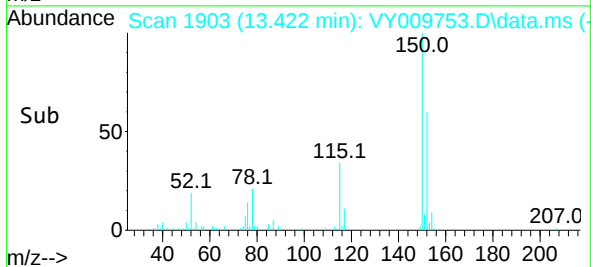
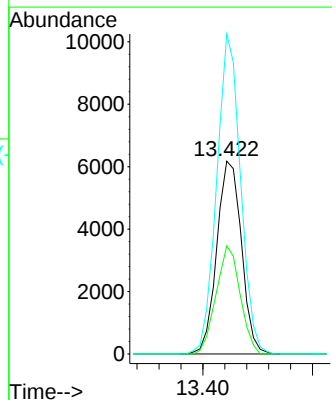
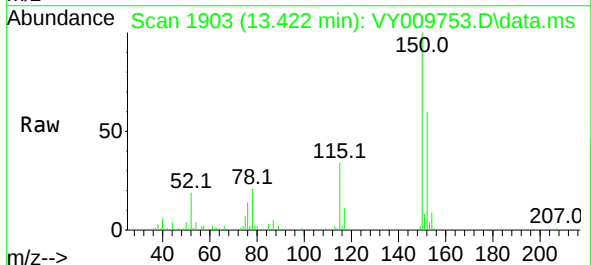
Instrument :
MSVOA_Y
ClientSampleId :
OK-03-072722

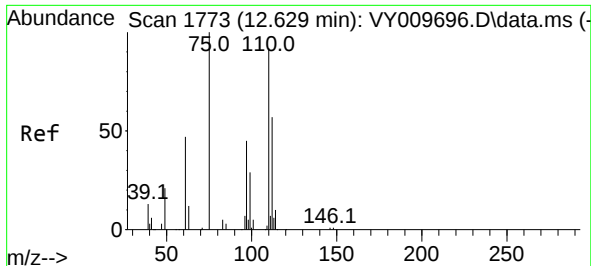
Tgt Ion:117 Resp: 24362
Ion Ratio Lower Upper
117 100
82 49.1 43.0 64.4
119 34.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY009753.D
Acq: 28 Jul 2022 16:01

Tgt Ion:152 Resp: 9655
Ion Ratio Lower Upper
152 100
115 54.5 28.2 84.7
150 160.2 0.0 347.6

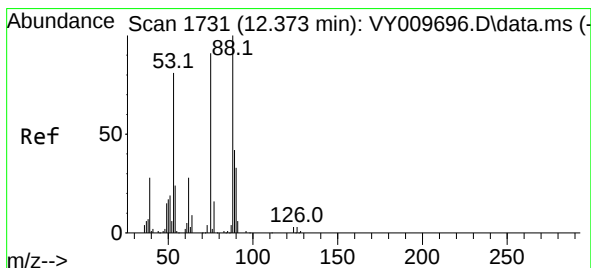
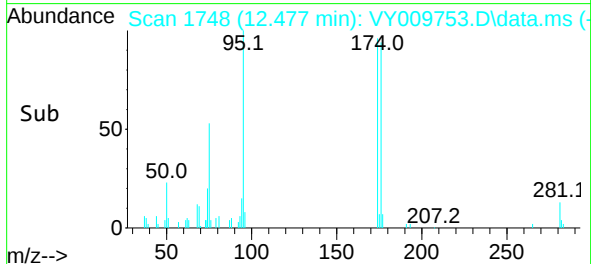
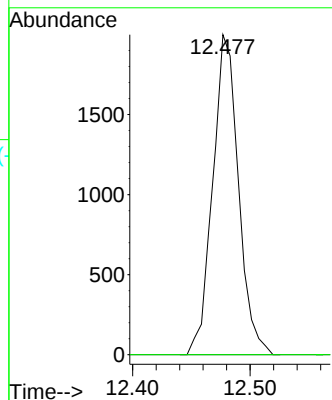
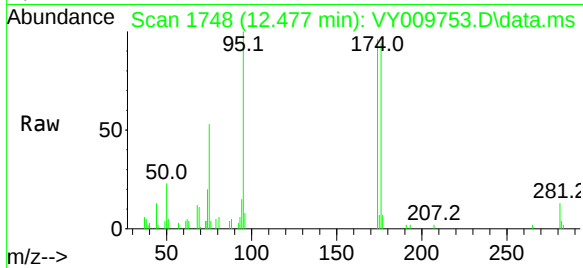




#76
1,2,3-Trichloropropane
Concen: 33.943 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY009753.D
Acq: 28 Jul 2022 16:01

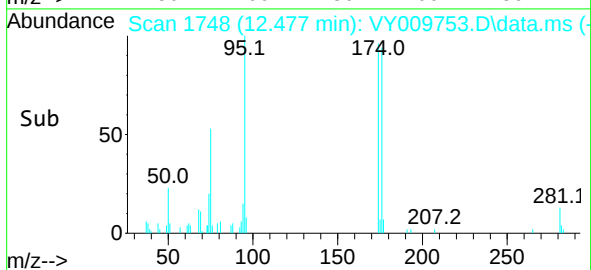
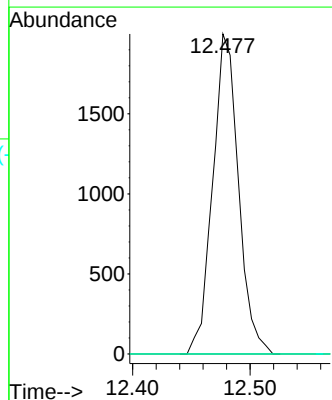
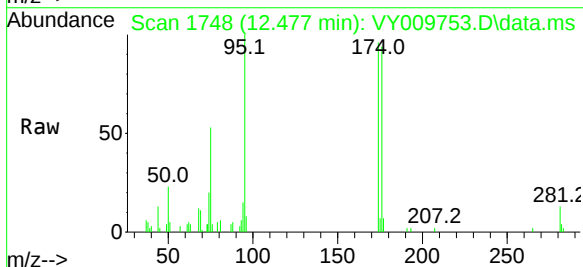
Instrument :
MSVOA_Y
ClientSampleId :
OK-03-072722

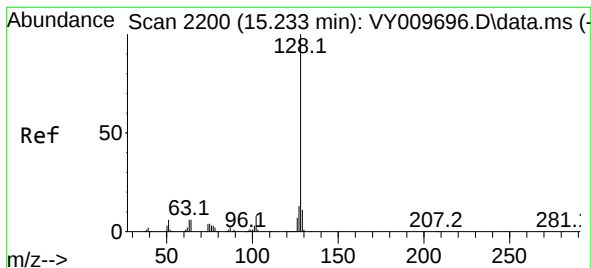
Tgt Ion: 75 Resp: 3044
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 67.657 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009753.D
Acq: 28 Jul 2022 16:01

Tgt Ion: 75 Resp: 3044
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 1.479 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.005 min

Lab File: VY009753.D

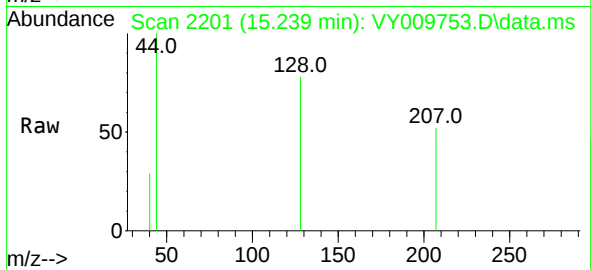
Acq: 28 Jul 2022 16:01

Instrument :

MSVOA_Y

ClientSampleId :

OK-03-072722



Tgt Ion:128 Resp: 503

Ion Ratio Lower Upper

128 100

127 0.0 11.0 16.4#

129 0.0 8.4 12.6#

