

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070622\
 Data File : VY009457.D
 Acq On : 06 Jul 2022 16:28
 Operator : KP/MD
 Sample : N3587-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: Jul 07 01:50:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062822S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 17:35:34 2022
 Response via : Initial Calibration

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

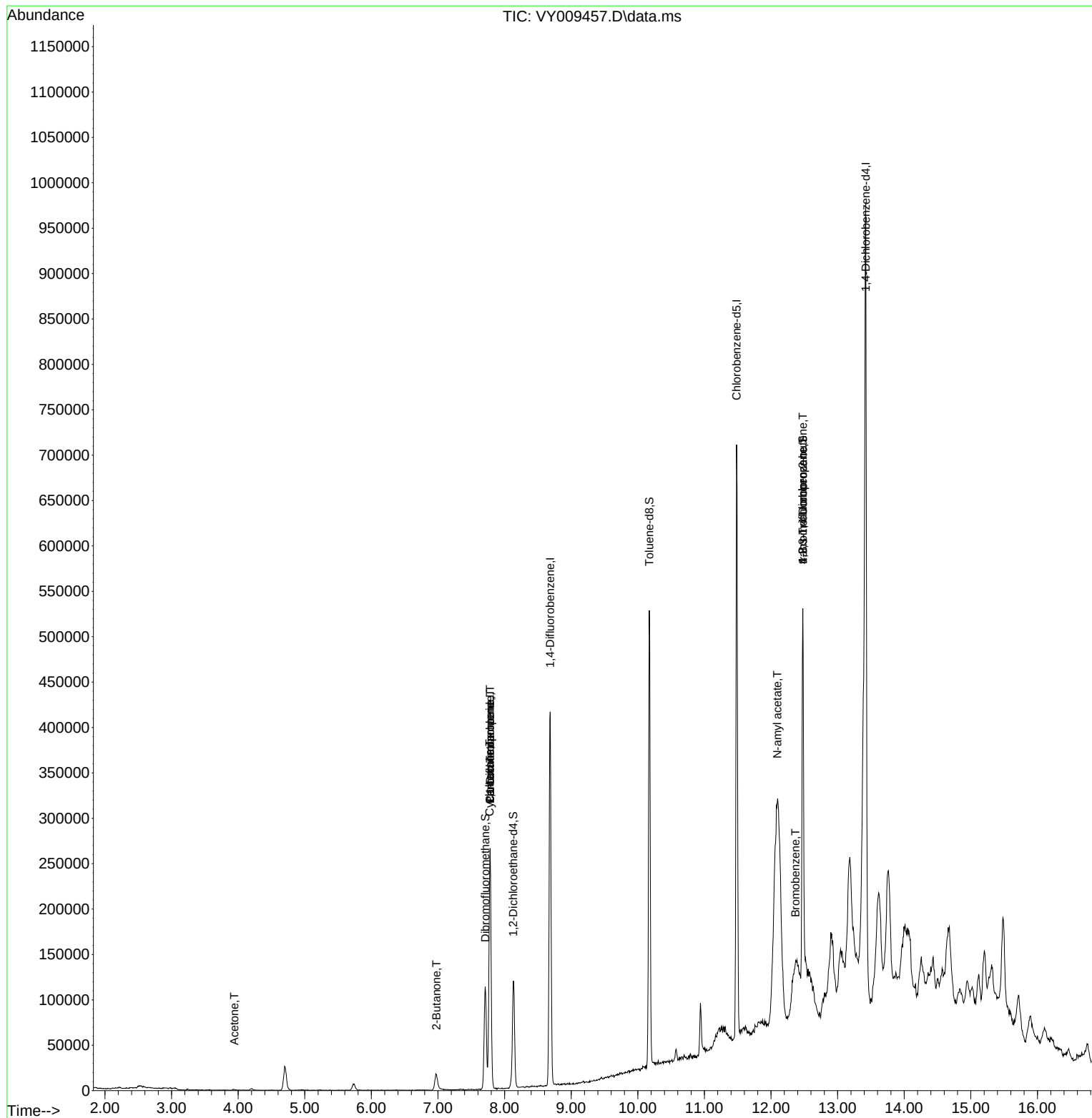
Internal Standards						
1) Pentafluorobenzene	7.783	168	206075	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	356875	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	357229	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	177365	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	89876	54.451	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.900%	
35) Dibromofluoromethane	7.710	113	79503	40.477	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 80.960%	
50) Toluene-d8	10.173	98	325311	54.020	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 108.040%	
62) 4-Bromofluorobenzene	12.477	95	132895	46.530	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 93.060%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.954	59	518	Below Cal	#	91
16) Acetone	3.942	43	1627	3.001	ug/l	97
18) Methyl Acetate	4.466	43	182	Below Cal	#	56
25) 2-Butanone	6.978	43	1207	1.404	ug/l	# 88
31) Cyclohexane	7.777	56	4475	1.205	ug/l	# 3
36) 1,1-Dichloropropene	7.783	75	15631	4.551	ug/l	# 52
38) Carbon Tetrachloride	7.783	117	20164	5.617	ug/l	# 16
74) N-amyl acetate	12.093	43	32908	9.576	ug/l	# 4
76) 1,2,3-Trichloropropane	12.477	75	61897	29.800	ug/l	# 100
77) Bromobenzene	12.367	156	81929	26.234	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.477	75	61897	66.349	ug/l	# 8

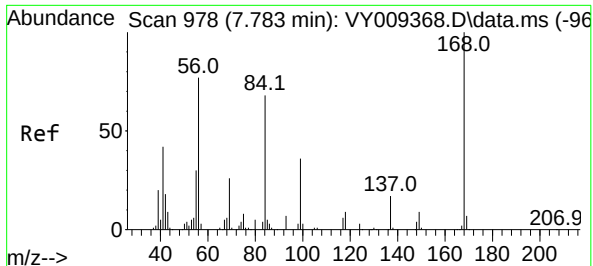
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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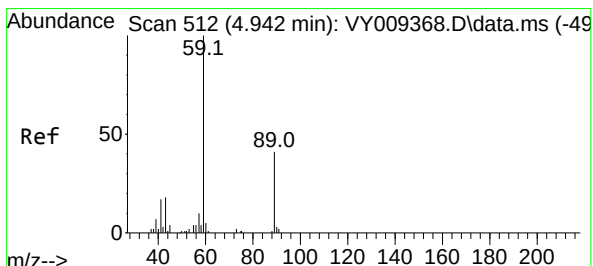
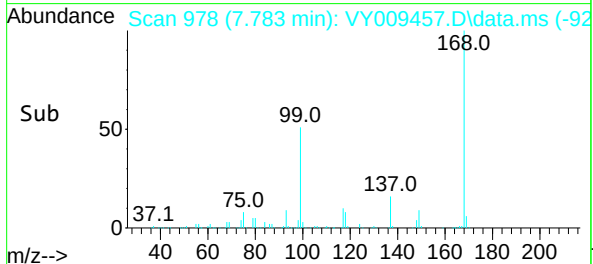
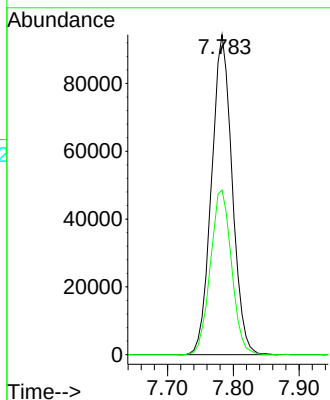
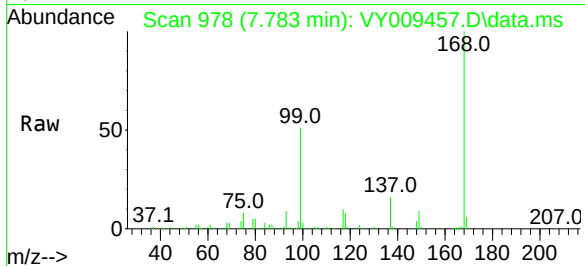




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009457.D
Acq: 06 Jul 2022 16:28

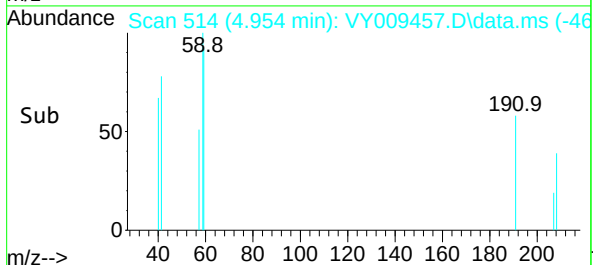
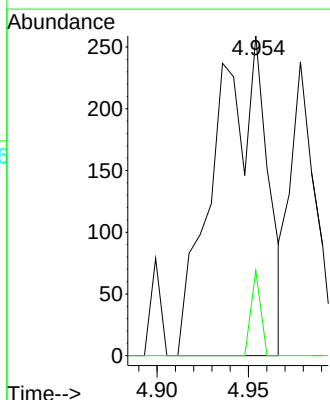
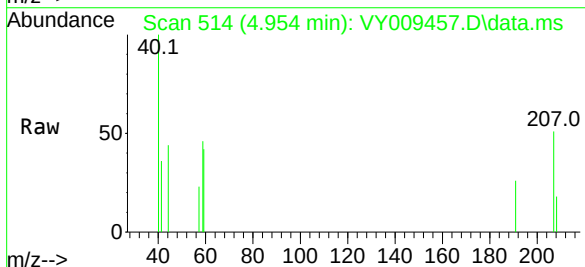
Instrument :
MSVOA_Y
ClientSampleId :
VOC

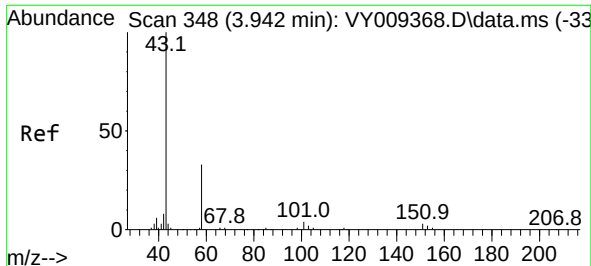
Tgt Ion:168 Resp: 206075
Ion Ratio Lower Upper
168 100
99 51.4 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. 0.012 min
Lab File: VY009457.D
Acq: 06 Jul 2022 16:28

Tgt Ion: 59 Resp: 518
Ion Ratio Lower Upper
59 100
57 4.8 6.4 9.6#

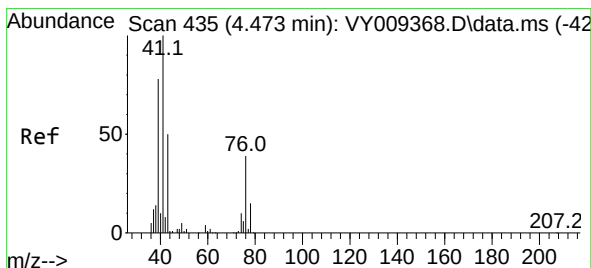
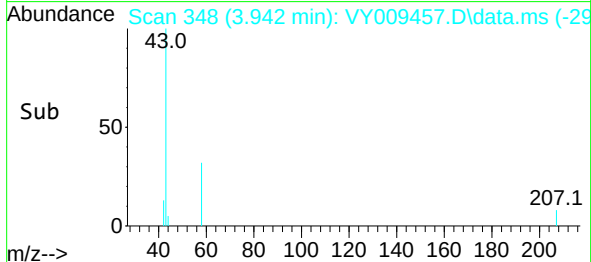
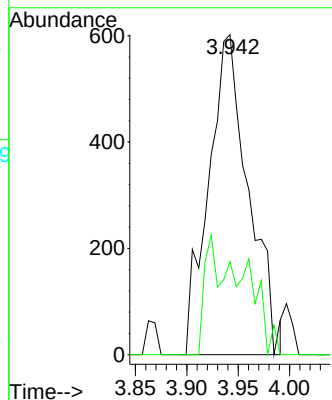
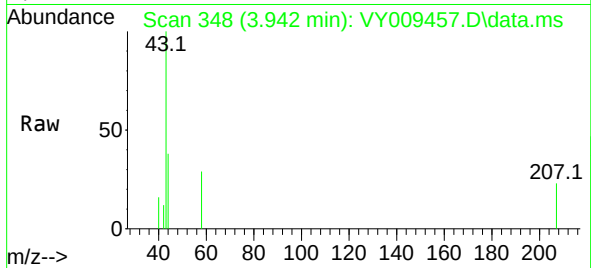




#16
Acetone
Concen: 3.001 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY009457.D
Acq: 06 Jul 2022 16:28

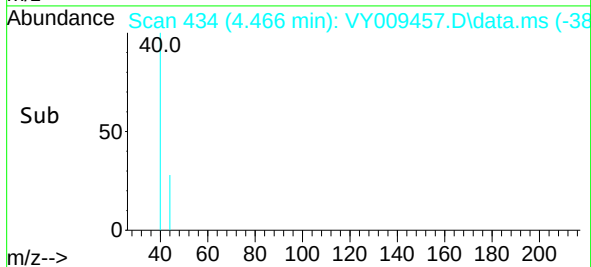
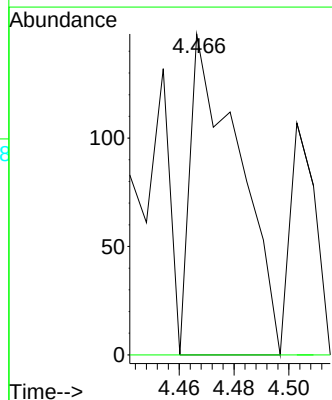
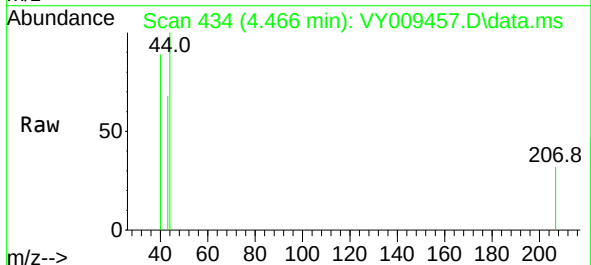
Instrument :
MSVOA_Y
ClientSampleId :
VOC

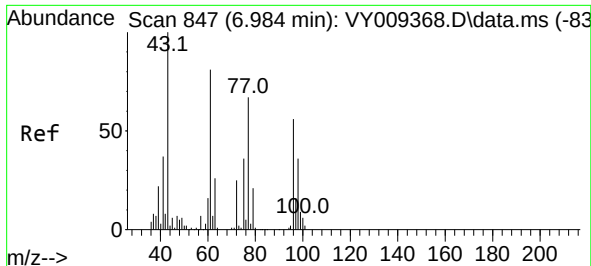
Tgt Ion: 43 Resp: 1627
Ion Ratio Lower Upper
43 100
58 29.1 22.0 33.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.466 min Scan# 434
Delta R.T. -0.007 min
Lab File: VY009457.D
Acq: 06 Jul 2022 16:28

Tgt Ion: 43 Resp: 182
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

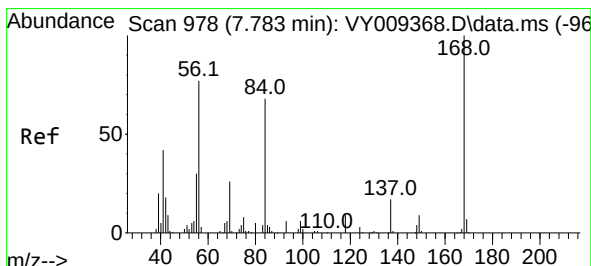
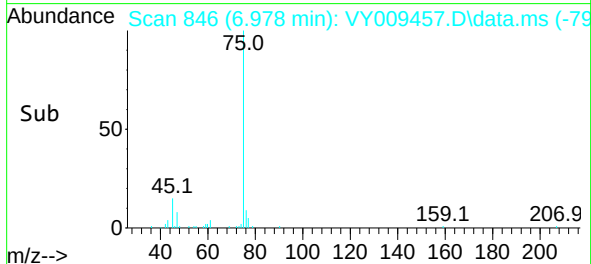
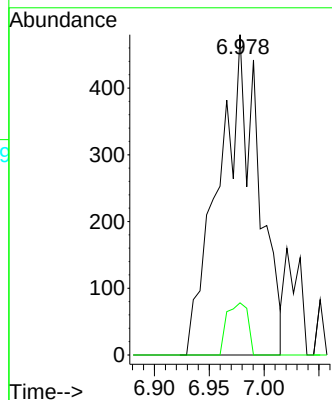
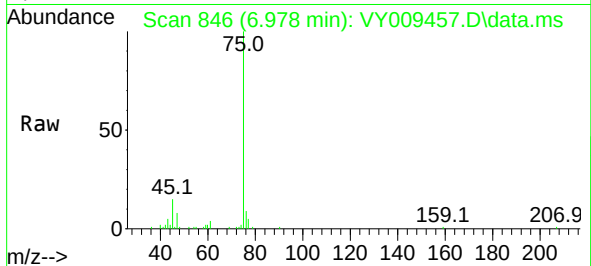




#25
2-Butanone
Concen: 1.404 ug/l
RT: 6.978 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY009457.D
Acq: 06 Jul 2022 16:28

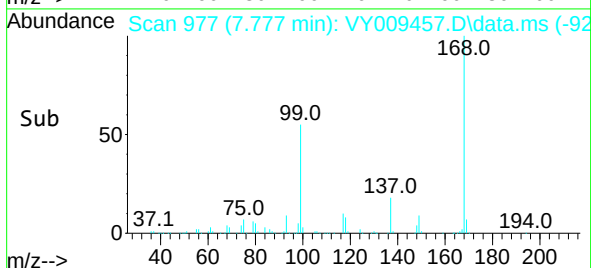
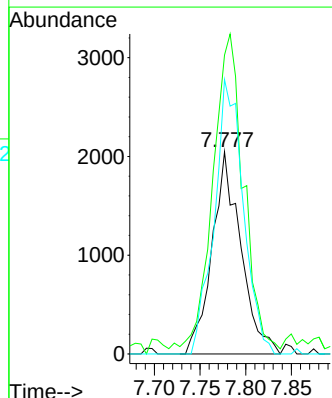
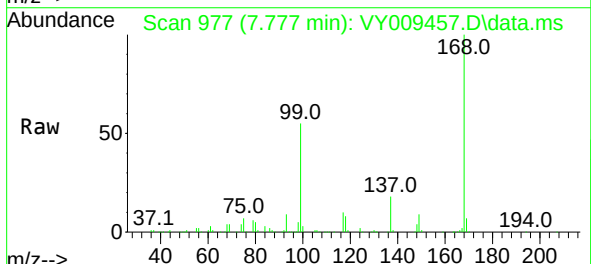
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ClientSampleId :
VOC

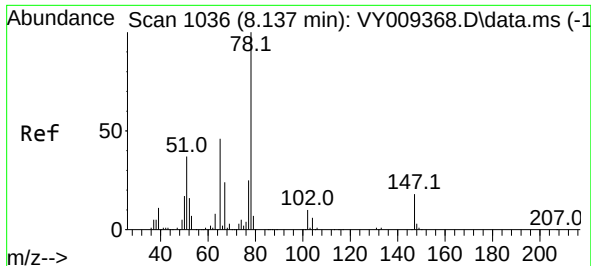
Tgt Ion: 43 Resp: 1207
Ion Ratio Lower Upper
43 100
72 16.3 17.7 26.5#



#31
Cyclohexane
Concen: 1.205 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.006 min
Lab File: VY009457.D
Acq: 06 Jul 2022 16:28

Tgt Ion: 56 Resp: 4475
Ion Ratio Lower Upper
56 100
69 145.3 26.7 40.1#
84 135.7 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 54.451 ug/l

RT: 8.130 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY009457.D

Acq: 06 Jul 2022 16:28

Instrument :

MSVOA_Y

ClientSampleId :

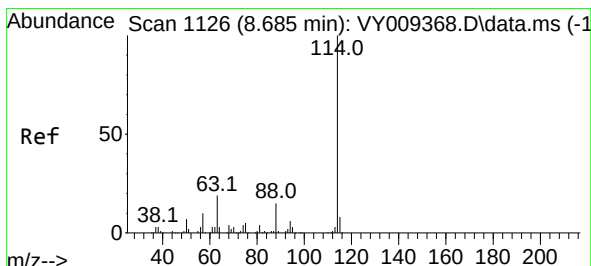
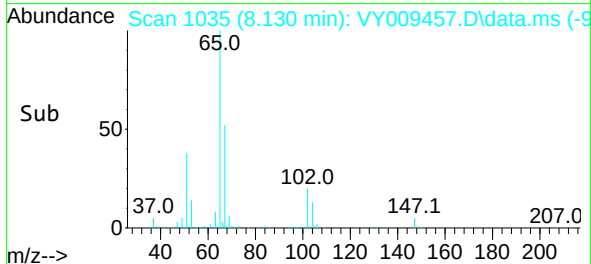
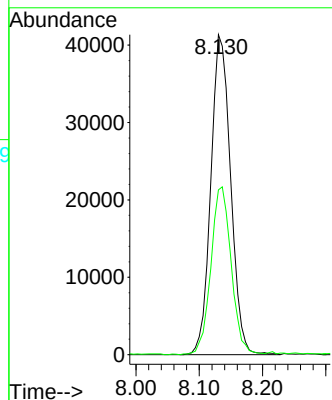
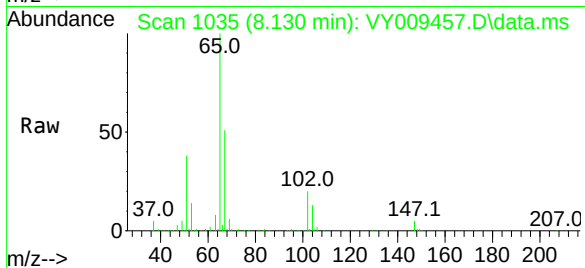
VOC

Tgt Ion: 65 Resp: 89876

Ion Ratio Lower Upper

65 100

67 53.9 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: VY009457.D

Acq: 06 Jul 2022 16:28

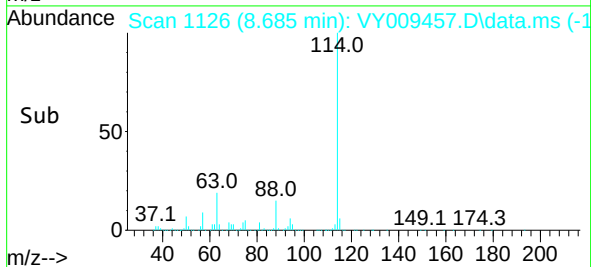
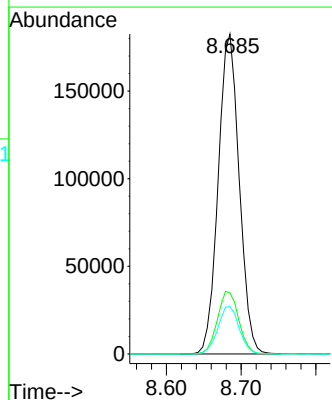
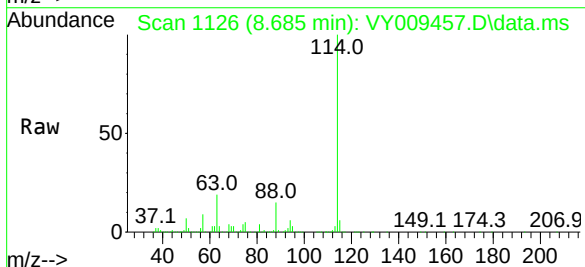
Tgt Ion: 114 Resp: 356875

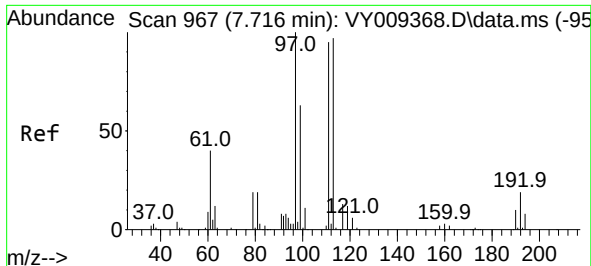
Ion Ratio Lower Upper

114 100

63 19.1 0.0 43.2

88 14.8 0.0 31.8

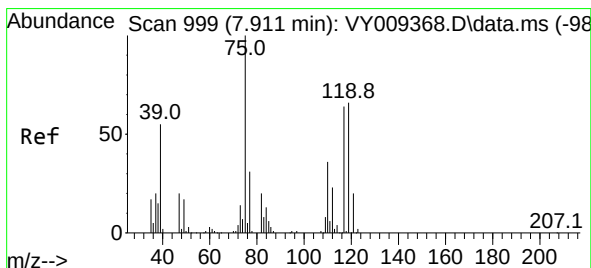
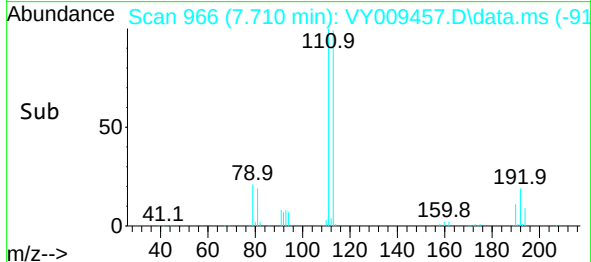
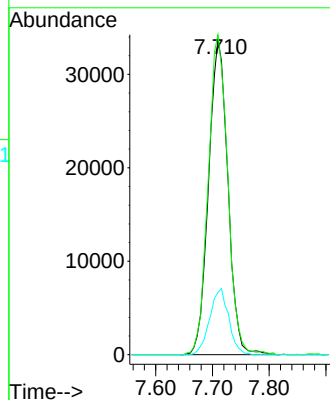
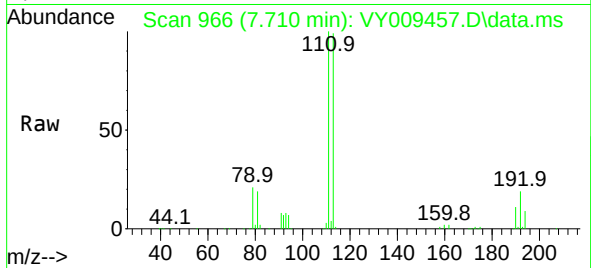




#35
Dibromofluoromethane
Concen: 40.477 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY009457.D
Acq: 06 Jul 2022 16:28

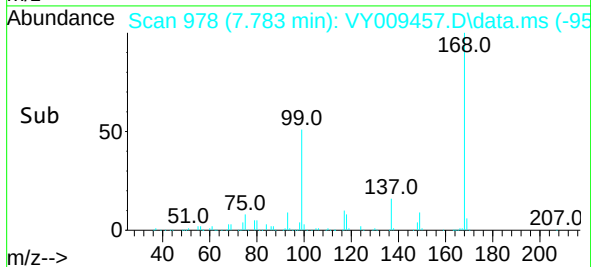
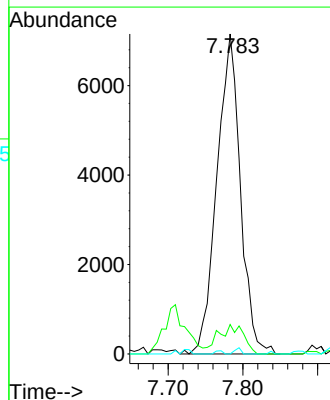
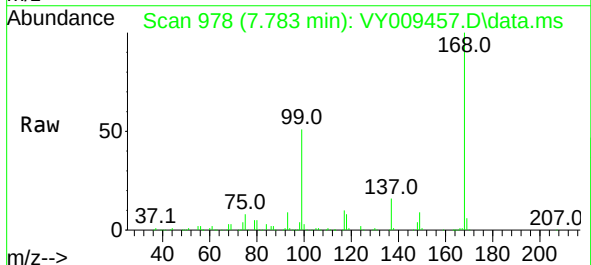
Instrument :
MSVOA_Y
ClientSampleId :
VOC

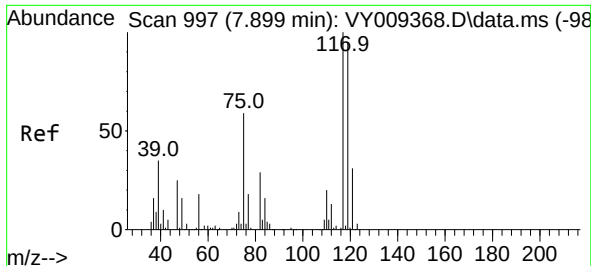
Tgt Ion:113 Resp: 79503
Ion Ratio Lower Upper
113 100
111 103.0 82.6 124.0
192 20.7 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.551 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY009457.D
Acq: 06 Jul 2022 16:28

Tgt Ion: 75 Resp: 15631
Ion Ratio Lower Upper
75 100
110 10.0 17.1 51.2#
77 0.5 24.4 36.6#

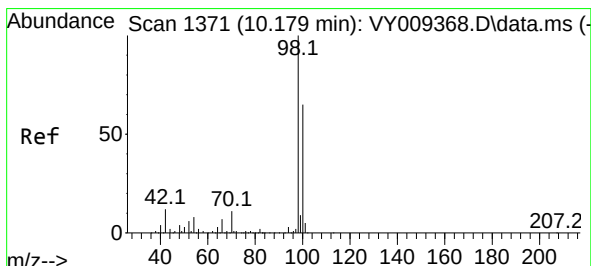
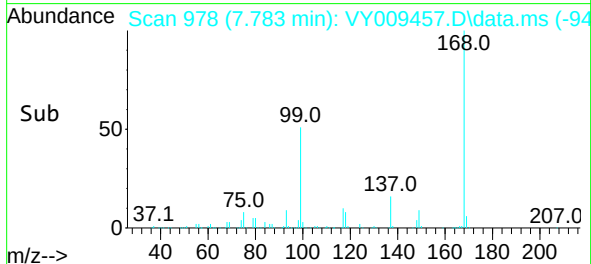
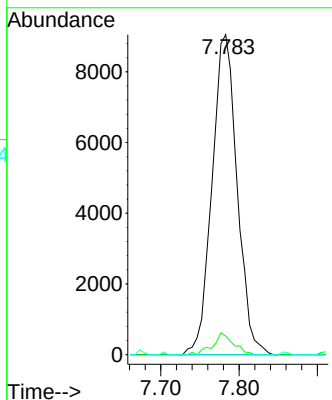
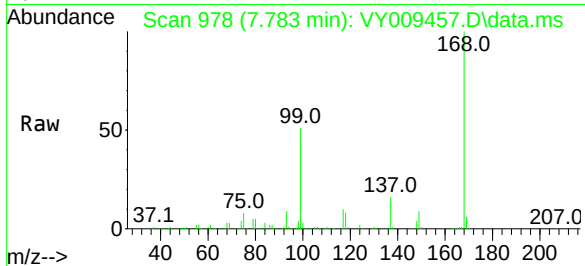




#38
Carbon Tetrachloride
Concen: 5.617 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY009457.D
Acq: 06 Jul 2022 16:28

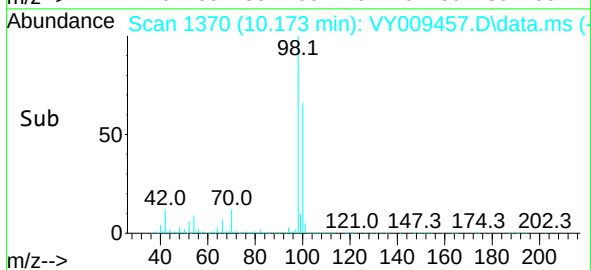
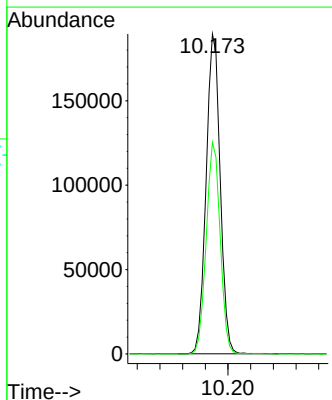
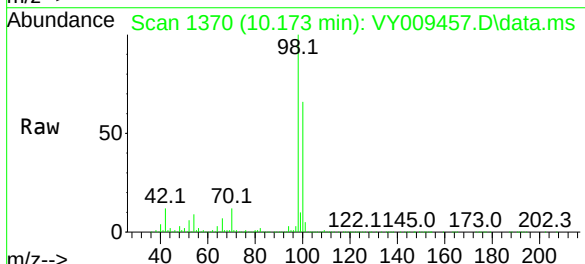
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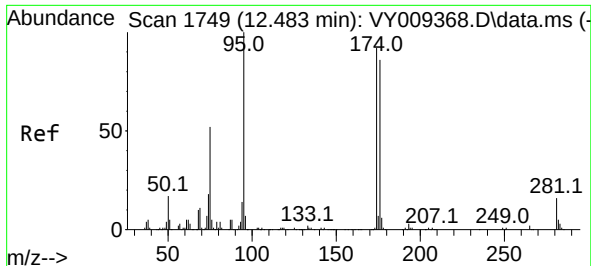
Tgt Ion:117 Resp: 20164
Ion Ratio Lower Upper
117 100
119 5.8 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 54.020 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY009457.D
Acq: 06 Jul 2022 16:28

Tgt Ion: 98 Resp: 325311
Ion Ratio Lower Upper
98 100
100 65.7 50.2 75.2

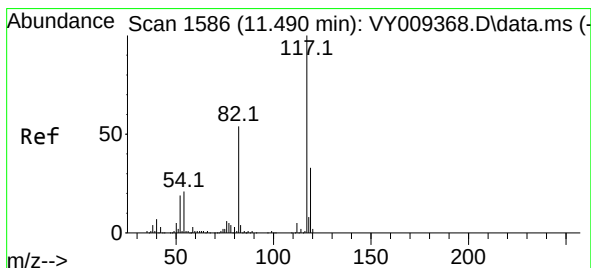
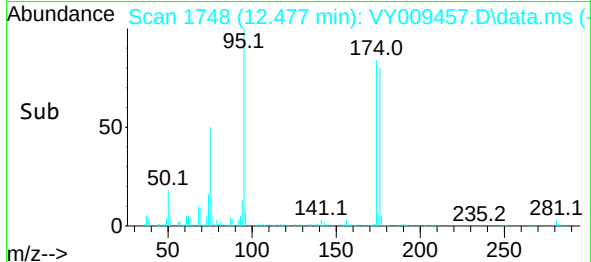
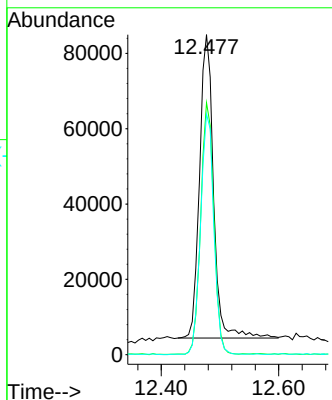
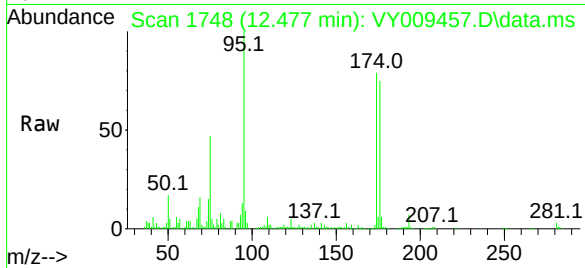




#62
4-Bromofluorobenzene
Concen: 46.530 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY009457.D
Acq: 06 Jul 2022 16:28

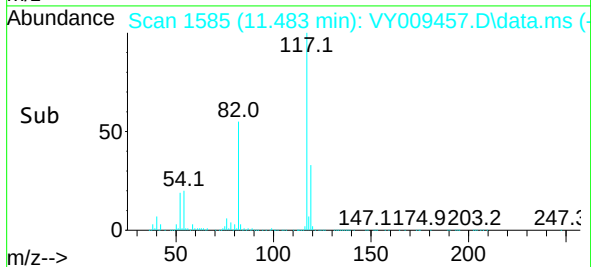
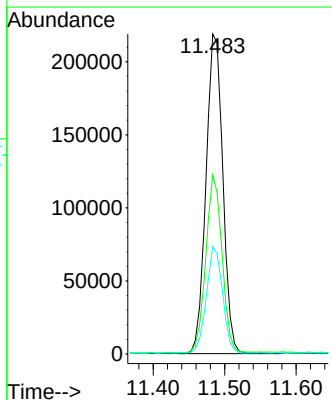
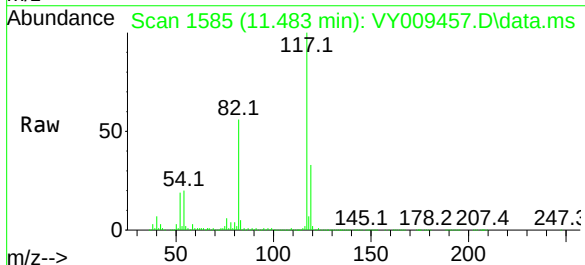
Instrument :
MSVOA_Y
ClientSampleId :
VOC

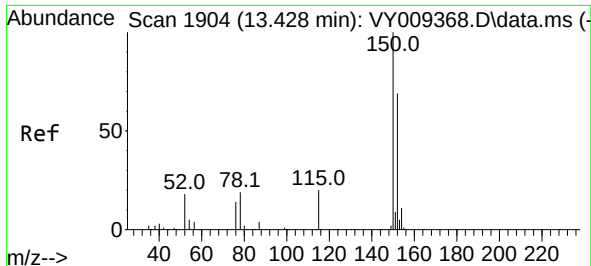
Tgt Ion: 95 Resp: 132895
Ion Ratio Lower Upper
95 100
174 78.1 0.0 177.0
176 75.6 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.007 min
Lab File: VY009457.D
Acq: 06 Jul 2022 16:28

Tgt Ion: 117 Resp: 357229
Ion Ratio Lower Upper
117 100
82 55.6 43.0 64.4
119 33.2 25.4 38.0

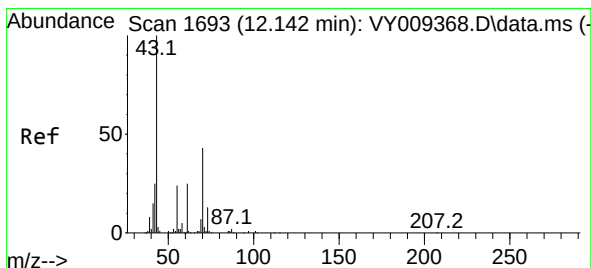
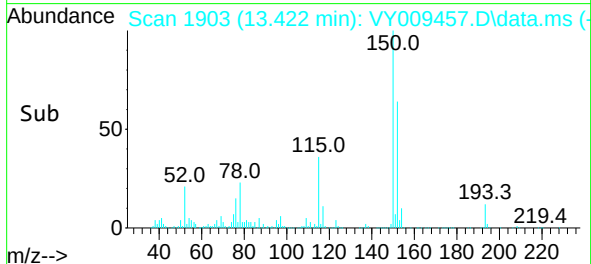
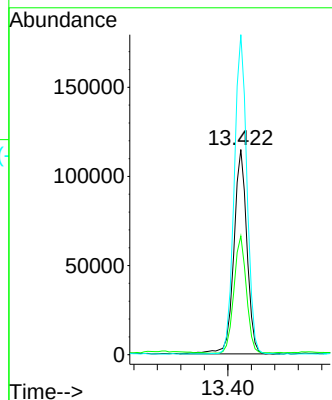
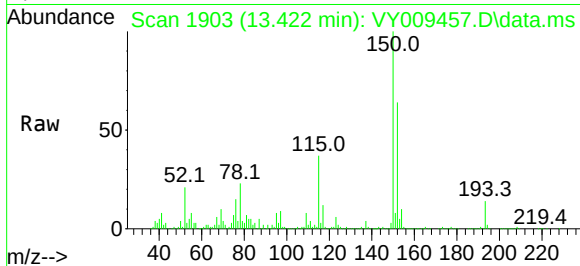




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY009457.D
Acq: 06 Jul 2022 16:28

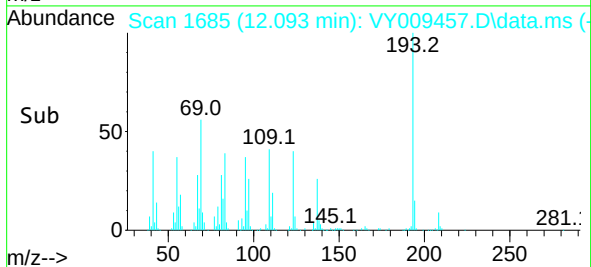
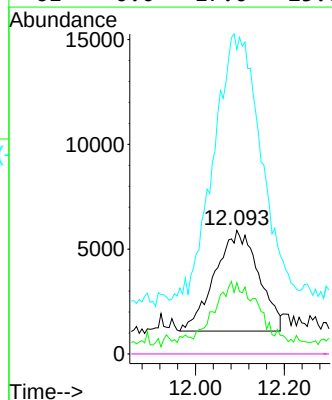
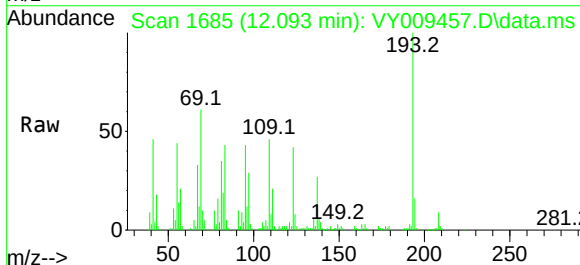
Instrument :
MSVOA_Y
ClientSampleId :
VOC

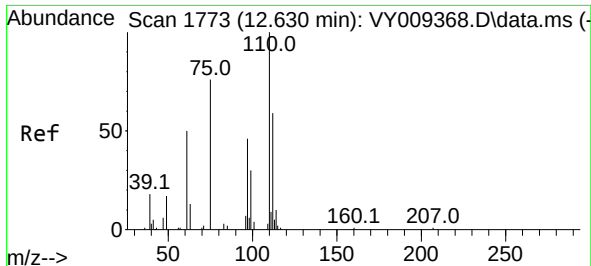
Tgt Ion:152 Resp: 177365
Ion Ratio Lower Upper
152 100
115 54.7 28.2 84.7
150 151.5 0.0 347.6



#74
N-ethyl acetate
Concen: 9.576 ug/l
RT: 12.093 min Scan# 1685
Delta R.T. -0.049 min
Lab File: VY009457.D
Acq: 06 Jul 2022 16:28

Tgt Ion: 43 Resp: 32908
Ion Ratio Lower Upper
43 100
70 51.8 28.7 43.1#
55 144.5 17.3 25.9#
61 0.0 17.0 25.6#

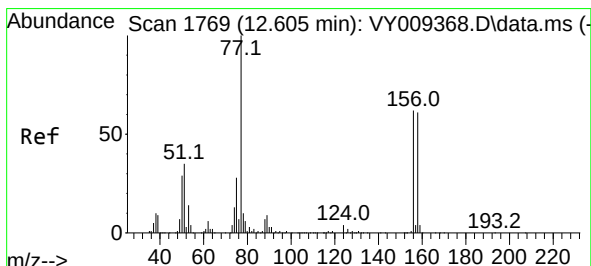
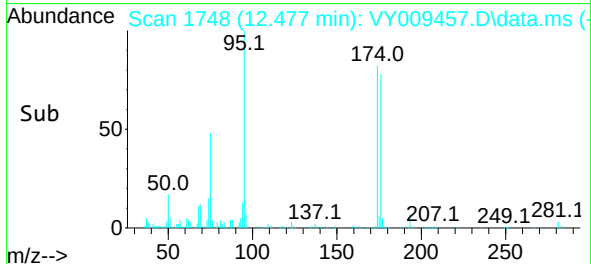
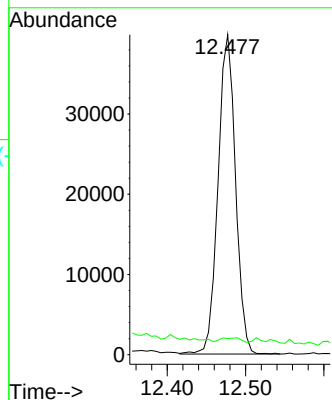
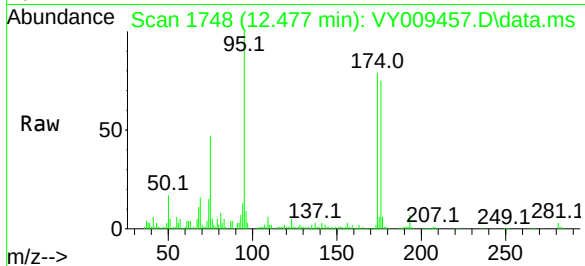




#76
1,2,3-Trichloropropane
Concen: 29.800 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.153 min
Lab File: VY009457.D
Acq: 06 Jul 2022 16:28

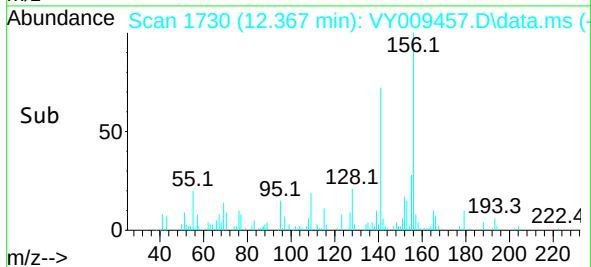
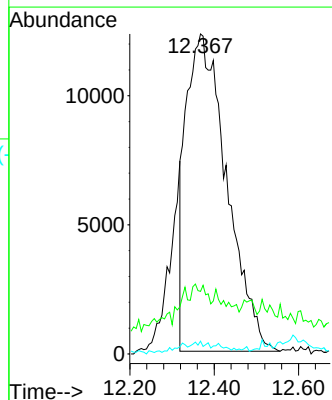
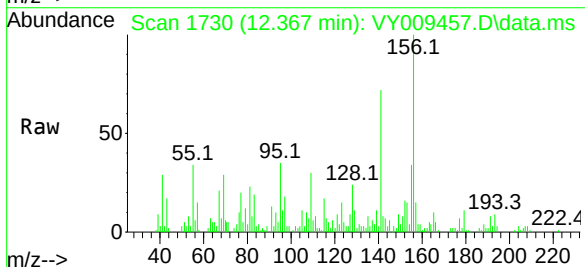
Instrument :
MSVOA_Y
ClientSampleId :
VOC

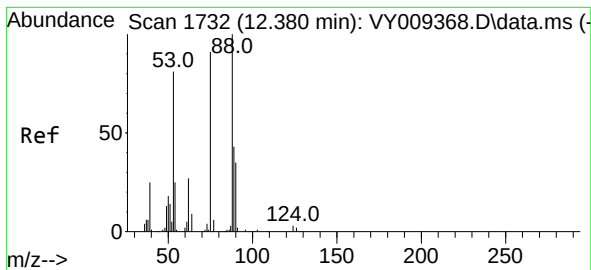
Tgt Ion: 75 Resp: 61897
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#77
Bromobenzene
Concen: 26.234 ug/l
RT: 12.367 min Scan# 1730
Delta R.T. -0.238 min
Lab File: VY009457.D
Acq: 06 Jul 2022 16:28

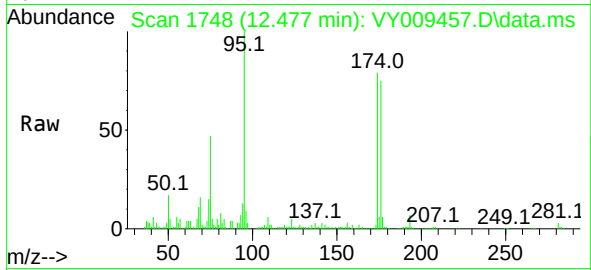
Tgt Ion: 156 Resp: 81929
Ion Ratio Lower Upper
156 100
77 0.8 95.5 286.4#
158 0.6 48.0 144.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.349 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY009457.D
 Acq: 06 Jul 2022 16:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC



Tgt Ion: 75 Resp: 61897
 Ion Ratio Lower Upper
 75 100
 53 0.9 85.3 127.9#
 89 0.5 37.0 55.4#

