

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071322\
 Data File : VY009553.D
 Acq On : 13 Jul 2022 12:33
 Operator : KP/MD
 Sample : N3597-03RE
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220508-COMPOSITE-C

Quant Time: Jul 14 02:43:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 08 11:00:56 2022
 Response via : Initial Calibration

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

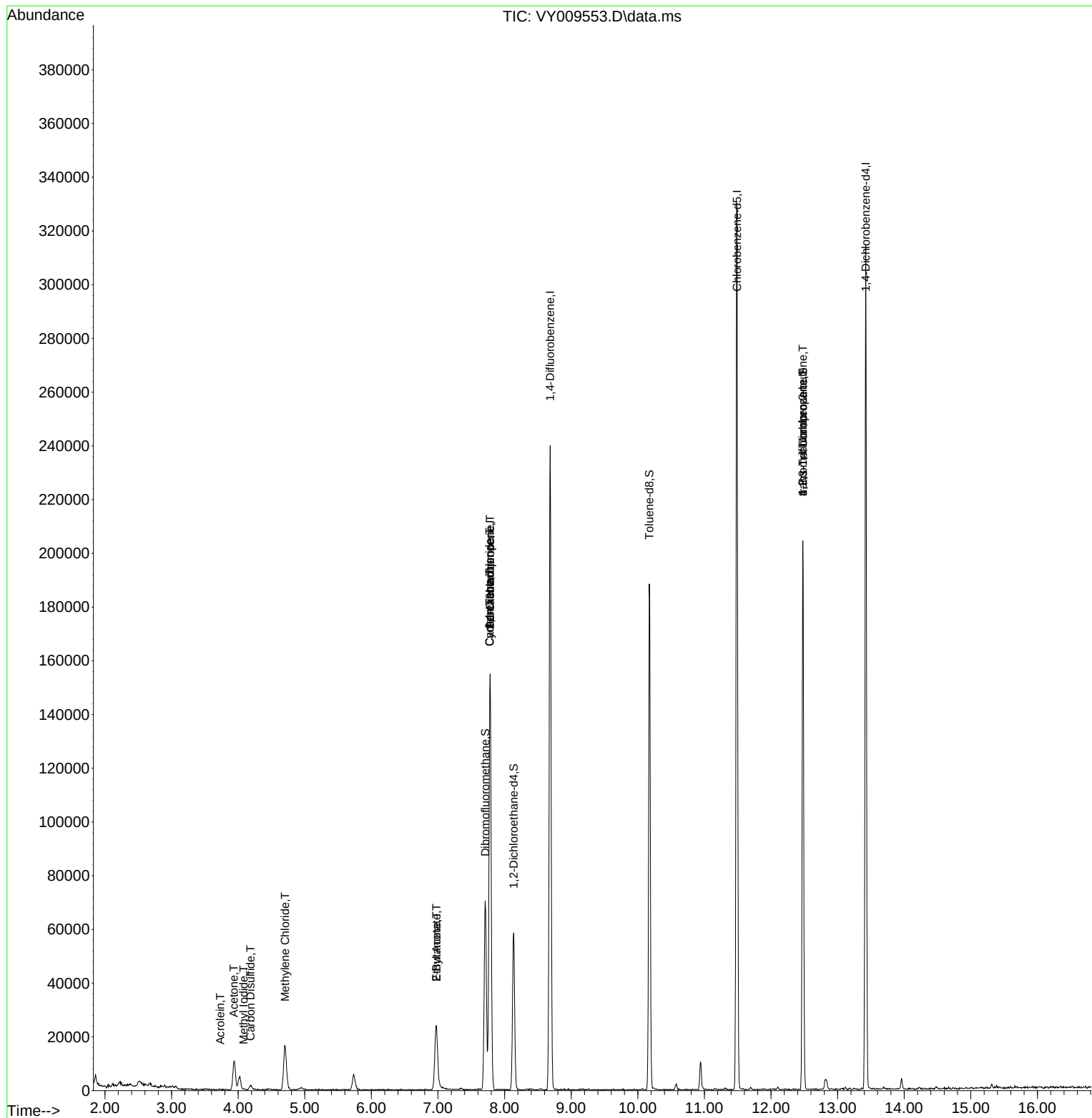
Internal Standards						
1) Pentafluorobenzene	7.783	168	124790	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	205184	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	180299	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	78564	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	44986	51.351	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.700%	
35) Dibromofluoromethane	7.710	113	48744	45.149	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 90.300%	
50) Toluene-d8	10.173	98	120843	39.045	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 78.100%	
62) 4-Bromofluorobenzene	12.477	95	58735	38.541	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 77.080%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.082	142	233	4.306	ug/l #	35
11) Tert butyl alcohol	4.930	59	356	Below Cal	#	76
13) Acrolein	3.729	56	83	30.977	ug/l	88
16) Acetone	3.936	43	19043	62.730	ug/l	98
17) Carbon Disulfide	4.186	76	1811	4.908	ug/l	97
20) Methylene Chloride	4.704	84	11919	3.938	ug/l #	84
23) Vinyl Acetate	6.118	43	19	Below Cal	#	75
25) 2-Butanone	6.978	43	4856	9.888	ug/l #	88
31) Cyclohexane	7.777	56	2692	1.315	ug/l #	35
36) 1,1-Dichloropropene	7.783	75	9570	5.445	ug/l #	52
37) Ethyl Acetate	6.978	43	4856	4.408	ug/l #	89
38) Carbon Tetrachloride	7.777	117	12374	6.583	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	31210	37.527	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	31210	76.805	ug/l #	7

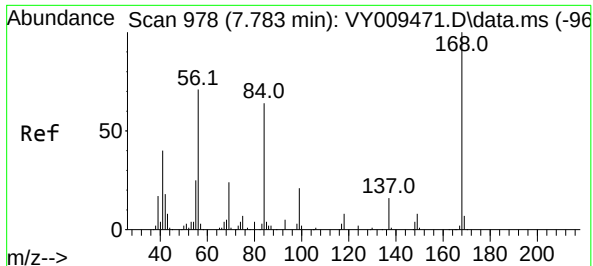
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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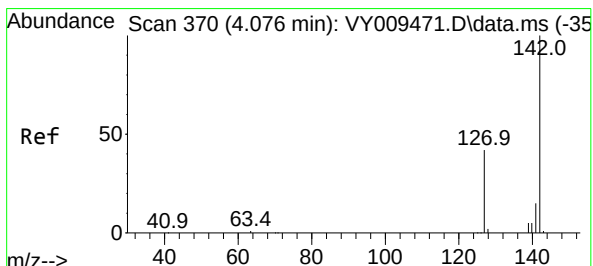
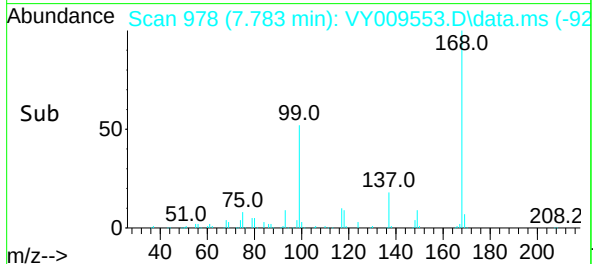
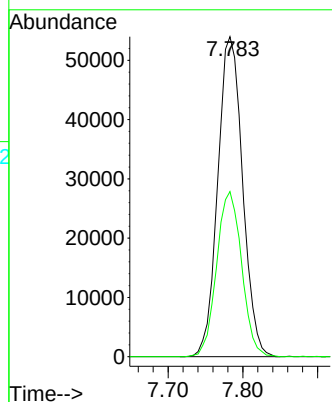
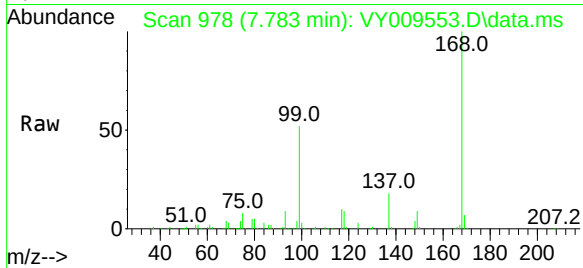




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009553.D
Acq: 13 Jul 2022 12:33

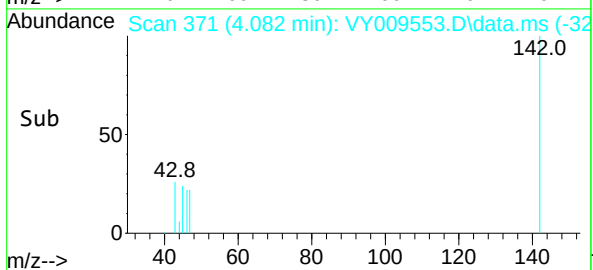
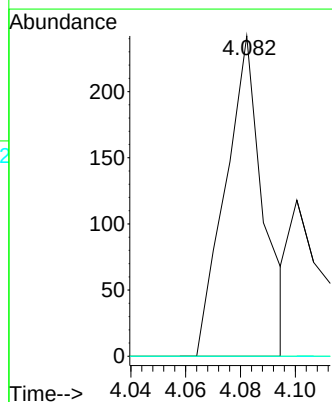
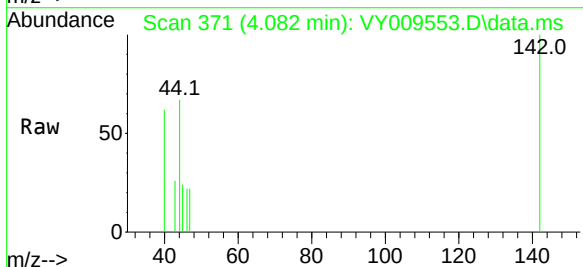
Instrument :
MSVOA_Y
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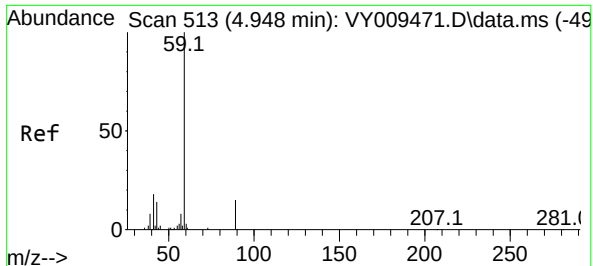
Tgt Ion:168 Resp: 124790
Ion Ratio Lower Upper
168 100
99 51.6 46.9 70.3



#10
Methyl Iodide
Concen: 4.306 ug/l
RT: 4.082 min Scan# 371
Delta R.T. 0.006 min
Lab File: VY009553.D
Acq: 13 Jul 2022 12:33

Tgt Ion:142 Resp: 233
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.930 min Scan# 51

Delta R.T. -0.018 min

Lab File: VY009553.D

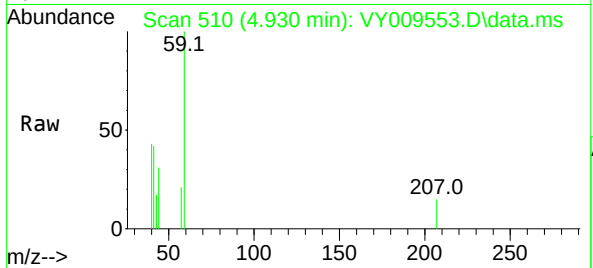
Acq: 13 Jul 2022 12:33

Instrument :

MSVOA_Y

ClientSampleId :

20220508-COMPOSITE-C

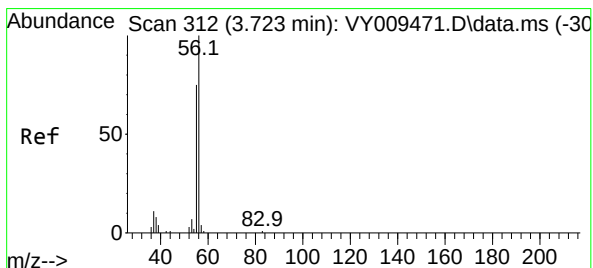
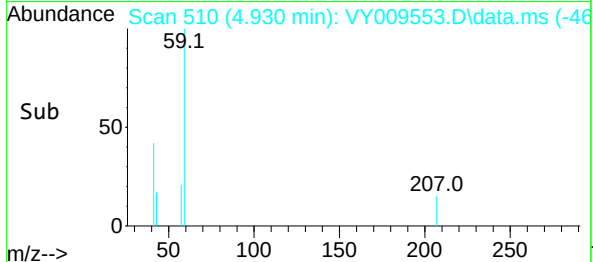
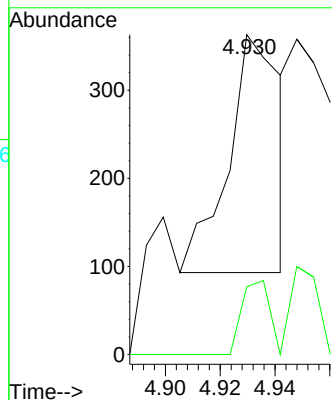


Tgt Ion: 59 Resp: 356

Ion Ratio Lower Upper

59 100

57 16.6 6.4 9.6#



#13

Acrolein

Concen: 30.977 ug/l

RT: 3.729 min Scan# 313

Delta R.T. 0.006 min

Lab File: VY009553.D

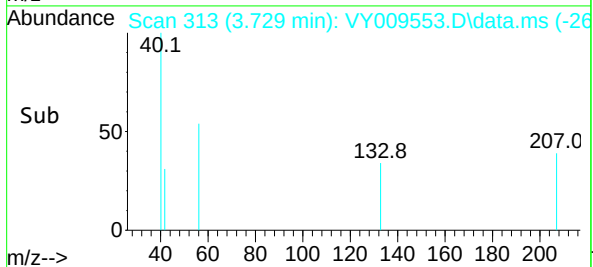
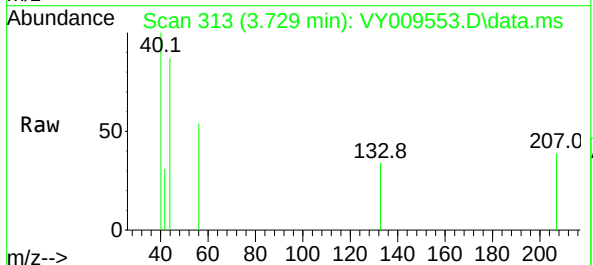
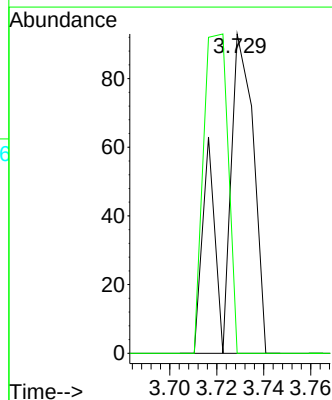
Acq: 13 Jul 2022 12:33

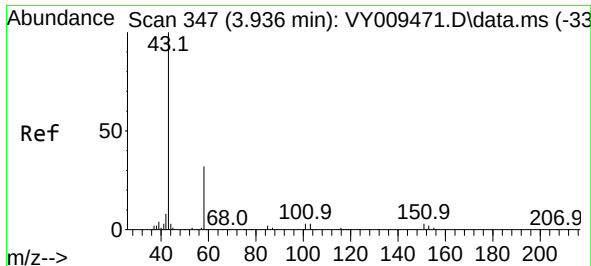
Tgt Ion: 56 Resp: 83

Ion Ratio Lower Upper

56 100

55 81.9 57.6 86.4

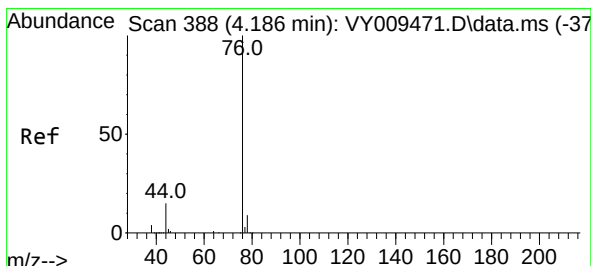
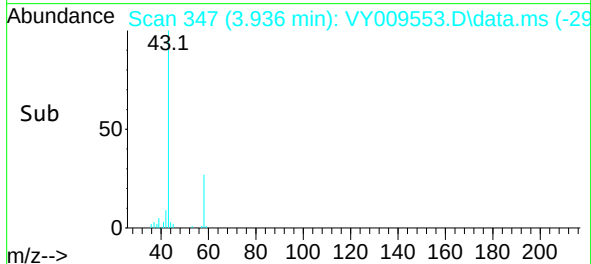
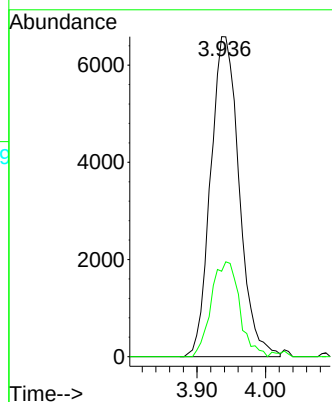
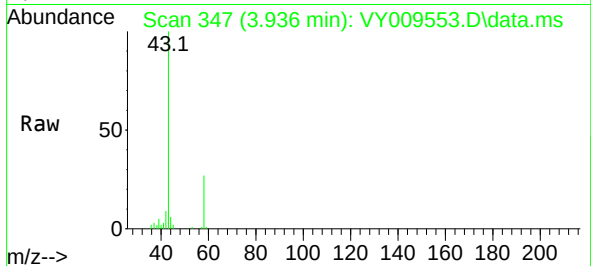




#16
Acetone
Concen: 62.730 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.000 min
Lab File: VY009553.D
Acq: 13 Jul 2022 12:33

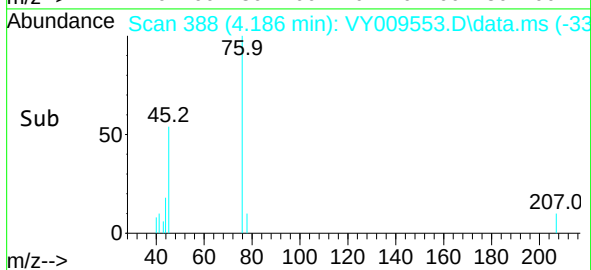
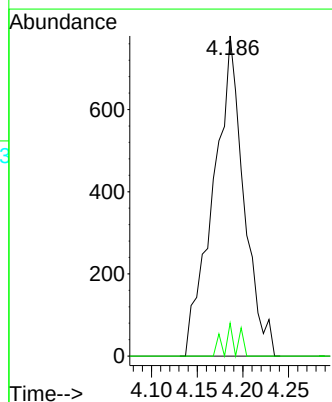
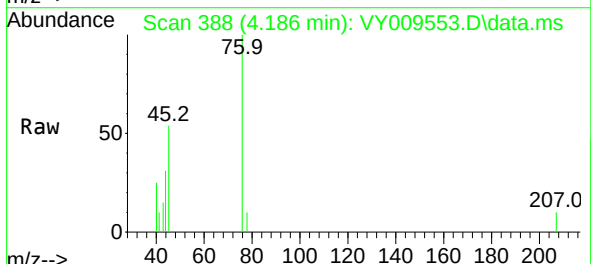
Instrument :
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20220508-COMPOSITE-C

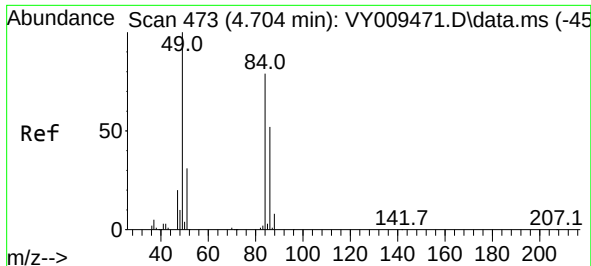
Tgt Ion: 43 Resp: 19043
Ion Ratio Lower Upper
43 100
58 26.7 22.0 33.0



#17
Carbon Disulfide
Concen: 4.908 ug/l
RT: 4.186 min Scan# 388
Delta R.T. -0.000 min
Lab File: VY009553.D
Acq: 13 Jul 2022 12:33

Tgt Ion: 76 Resp: 1811
Ion Ratio Lower Upper
76 100
78 10.3 7.4 11.0

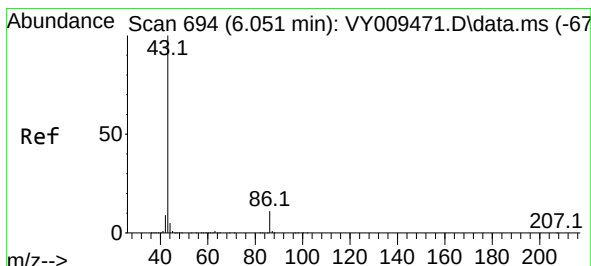
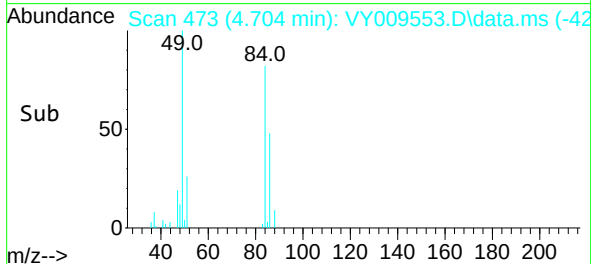
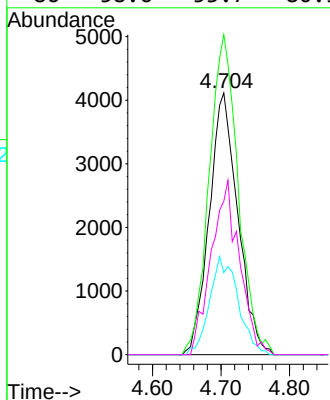
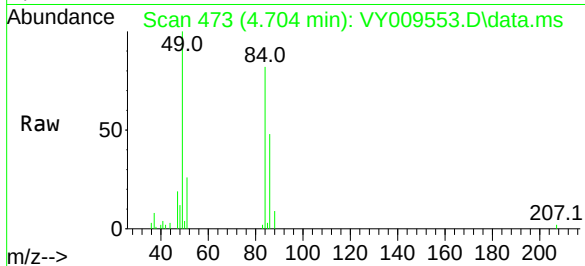




#20
Methylene Chloride
Concen: 3.938 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY009553.D
Acq: 13 Jul 2022 12:33

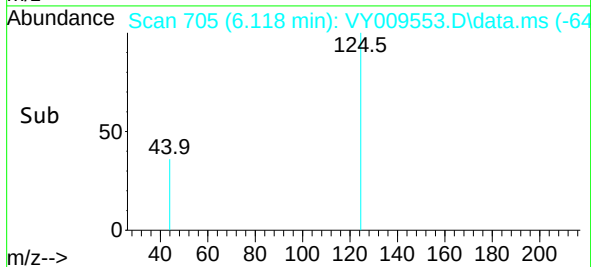
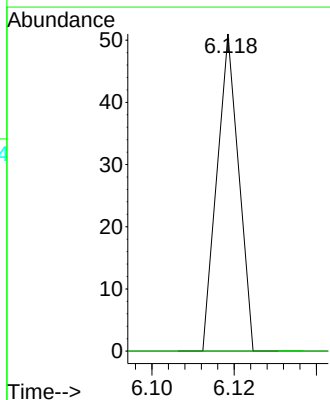
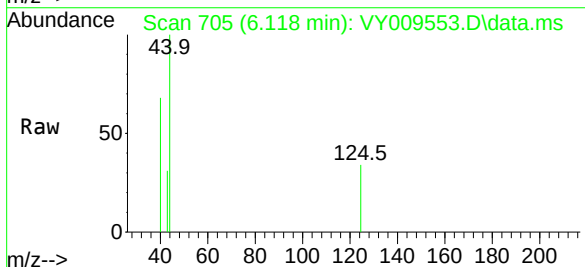
Instrument :
MSVOA_Y
ClientSampleId :
20220508-COMPOSITE-C

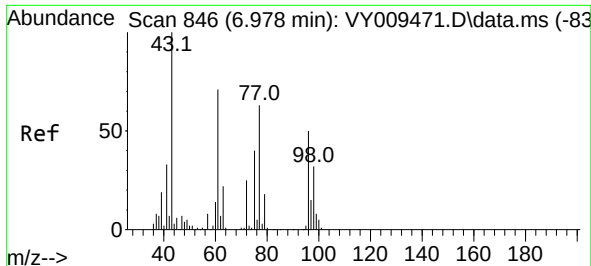
Tgt Ion:	84	Resp:	11919
Ion	Ratio	Lower	Upper
84	100		
49	122.2	114.4	171.6
51	31.4	35.3	52.9#
86	58.6	53.7	80.5



#23
Vinyl Acetate
Concen: Below Cal
RT: 6.118 min Scan# 705
Delta R.T. 0.067 min
Lab File: VY009553.D
Acq: 13 Jul 2022 12:33

Tgt Ion:	43	Resp:	19
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.1	10.7#





#25

2-Butanone

Concen: 9.888 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY009553.D

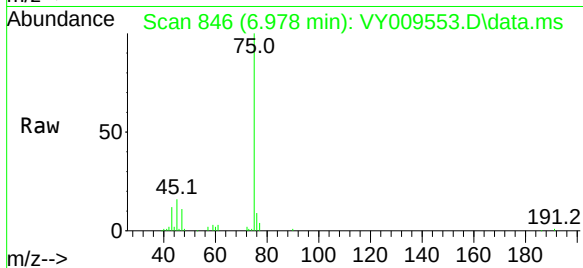
Acq: 13 Jul 2022 12:33

Instrument :

MSVOA_Y

ClientSampleId :

20220508-COMPOSITE-C

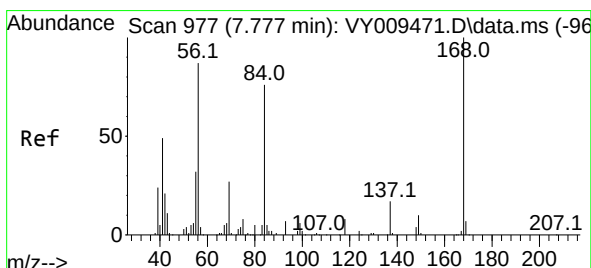
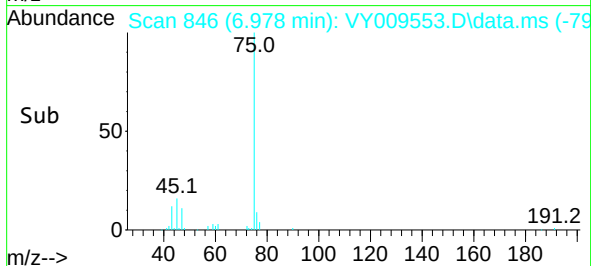
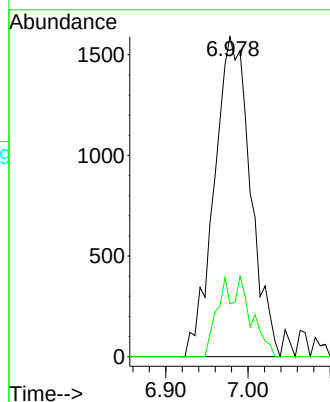


Tgt Ion: 43 Resp: 4856

Ion Ratio Lower Upper

43 100

72 16.5 17.7 26.5#



#31

Cyclohexane

Concen: 1.315 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.000 min

Lab File: VY009553.D

Acq: 13 Jul 2022 12:33

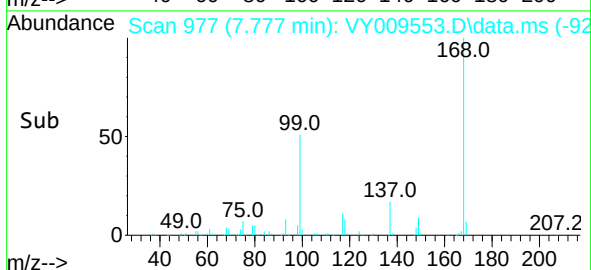
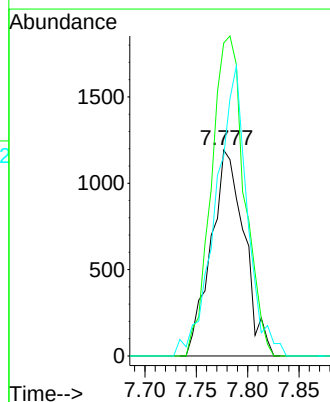
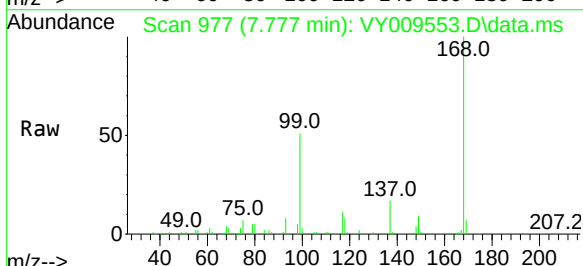
Tgt Ion: 56 Resp: 2692

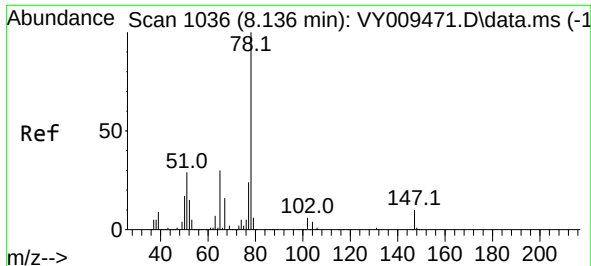
Ion Ratio Lower Upper

56 100

69 152.0 26.7 40.1#

84 91.1 67.2 100.8

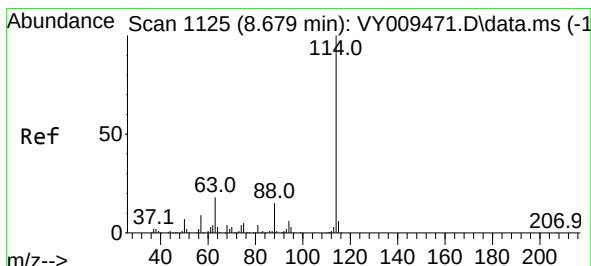
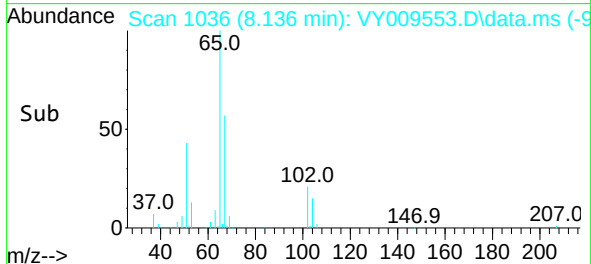
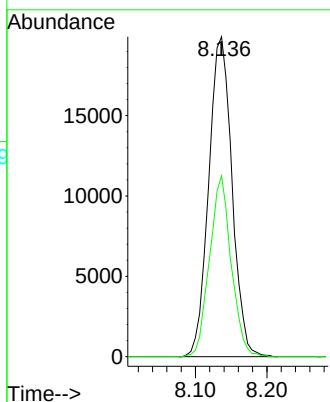
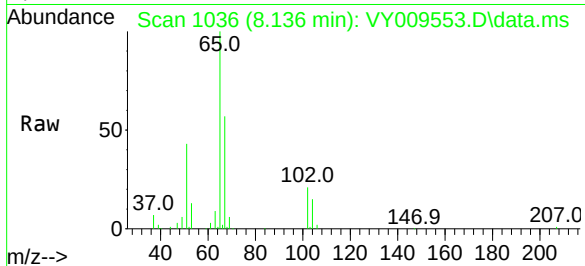




#33
 1,2-Dichloroethane-d4
 Concen: 51.351 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY009553.D
 Acq: 13 Jul 2022 12:33

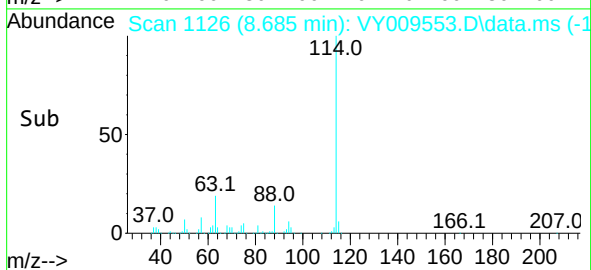
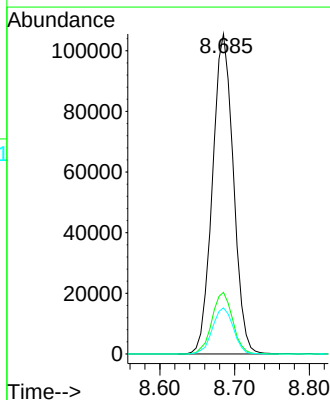
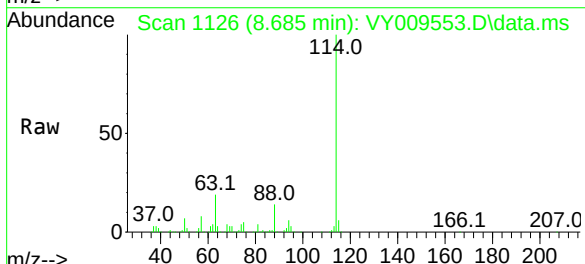
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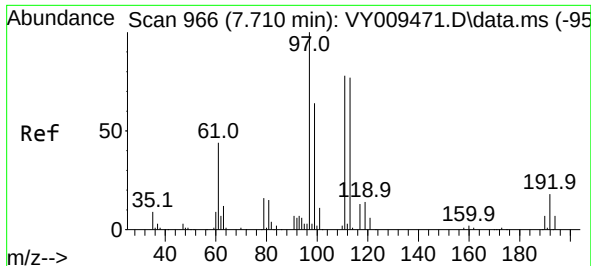
Tgt Ion: 65 Resp: 44986
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.006 min
 Lab File: VY009553.D
 Acq: 13 Jul 2022 12:33

Tgt Ion: 114 Resp: 205184
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 43.2
 88 14.4 0.0 31.8

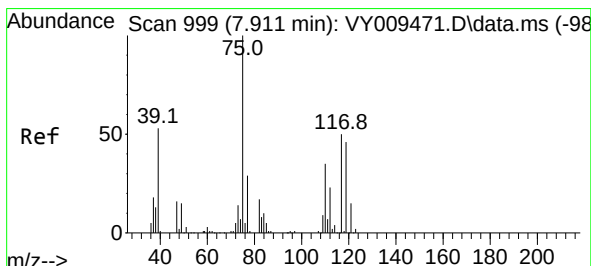
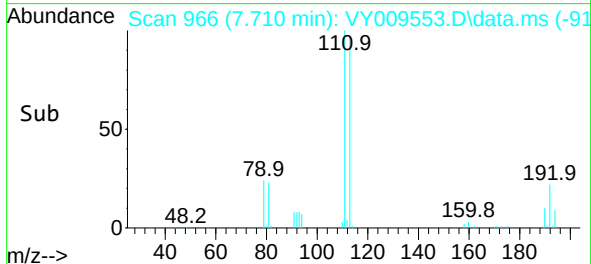
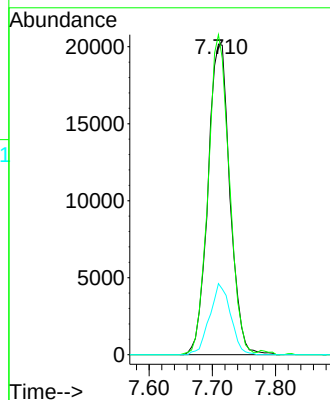
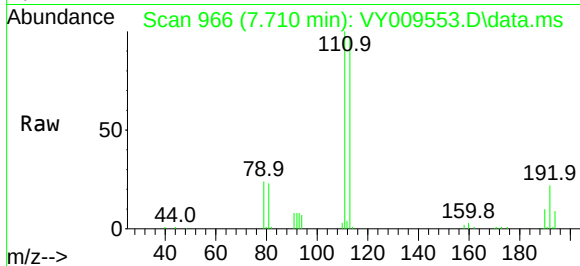




#35
Dibromofluoromethane
Concen: 45.149 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY009553.D
Acq: 13 Jul 2022 12:33

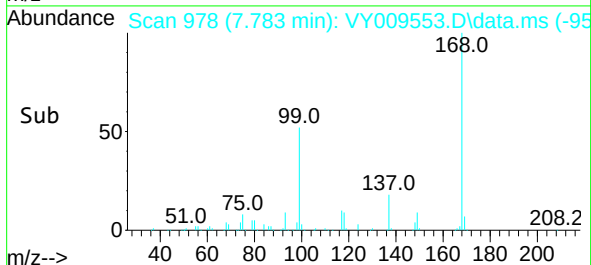
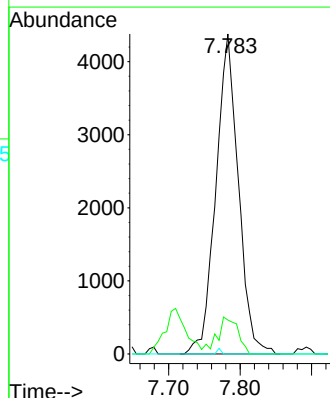
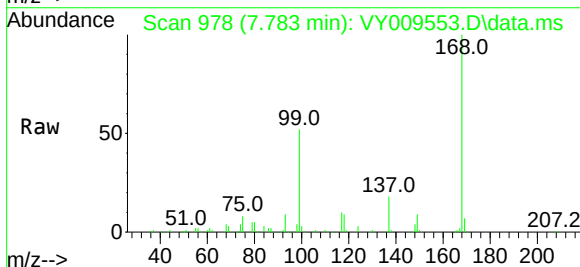
Instrument :
MSVOA_Y
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20220508-COMPOSITE-C

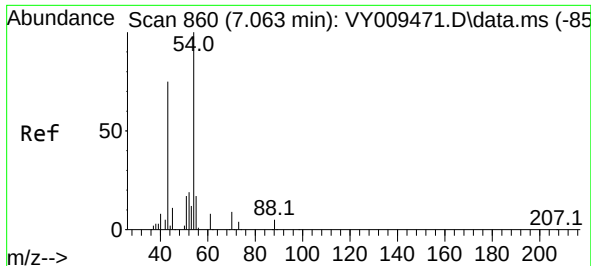
Tgt Ion:113 Resp: 48744
Ion Ratio Lower Upper
113 100
111 99.6 82.6 124.0
192 21.8 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.445 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY009553.D
Acq: 13 Jul 2022 12:33

Tgt Ion: 75 Resp: 9570
Ion Ratio Lower Upper
75 100
110 10.6 17.1 51.2#
77 0.3 24.4 36.6#





#37

Ethyl Acetate

Concen: 4.408 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.085 min

Lab File: VY009553.D

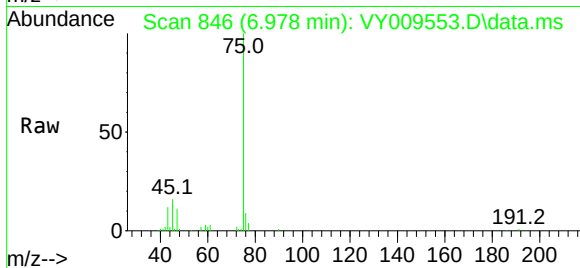
Acq: 13 Jul 2022 12:33

Instrument :

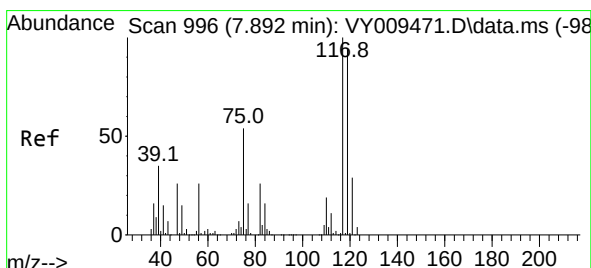
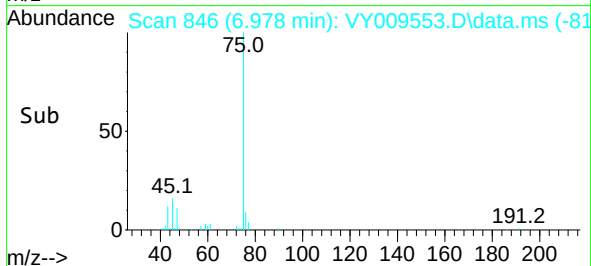
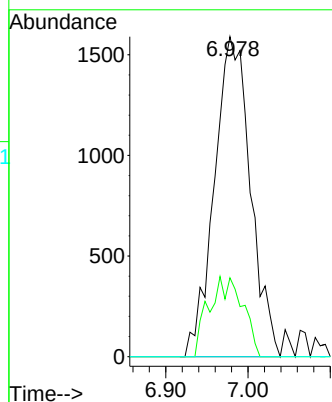
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Tgt Ion:	43	Resp:	4856
Ion	Ratio	Lower	Upper
43	100		
61	12.3	9.7	14.5
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 6.583 ug/l

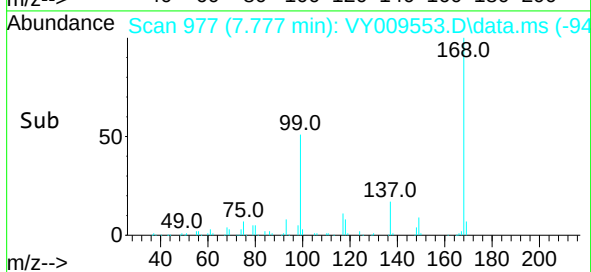
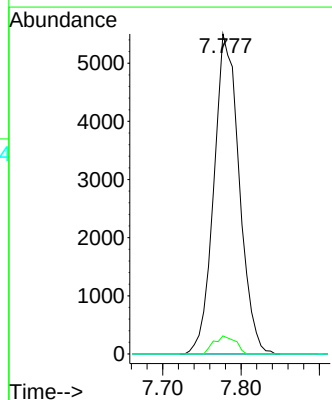
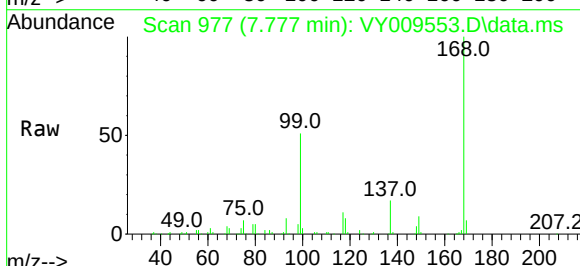
RT: 7.777 min Scan# 977

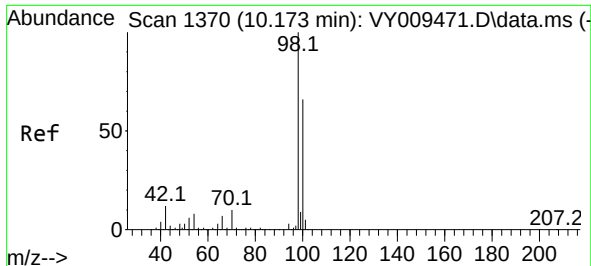
Delta R.T. -0.115 min

Lab File: VY009553.D

Acq: 13 Jul 2022 12:33

Tgt Ion:	117	Resp:	12374
Ion	Ratio	Lower	Upper
117	100		
119	5.7	77.9	116.9#
121	0.0	24.8	37.2#

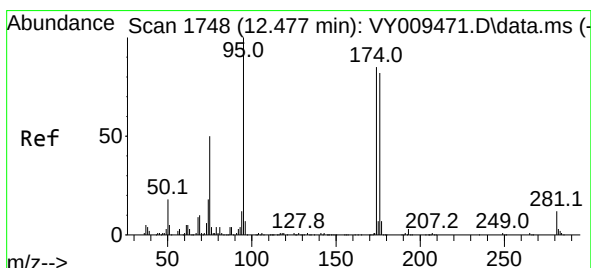
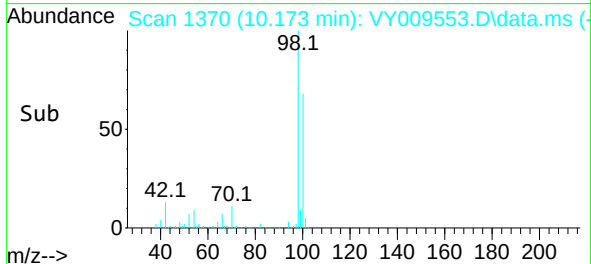
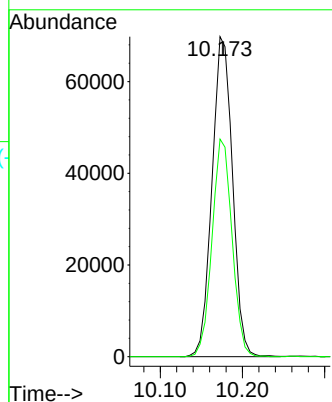
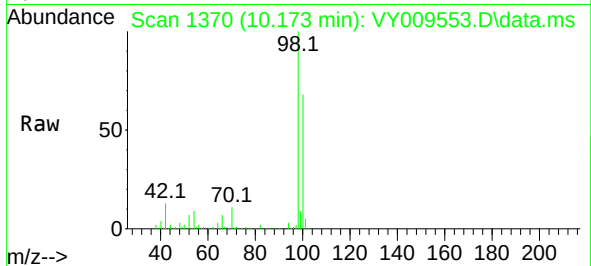




#50
Toluene-d8
Concen: 39.045 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009553.D
Acq: 13 Jul 2022 12:33

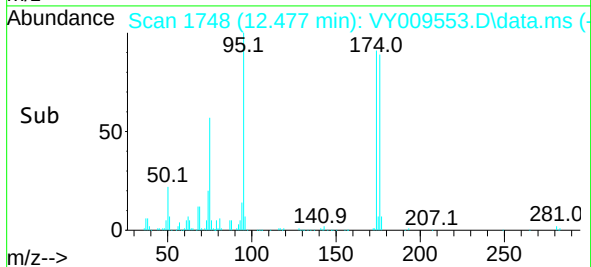
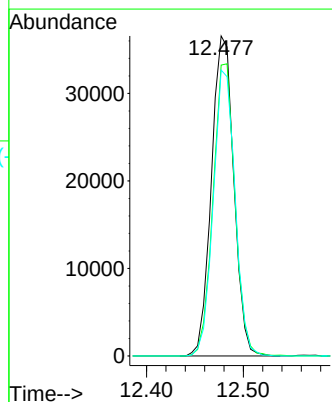
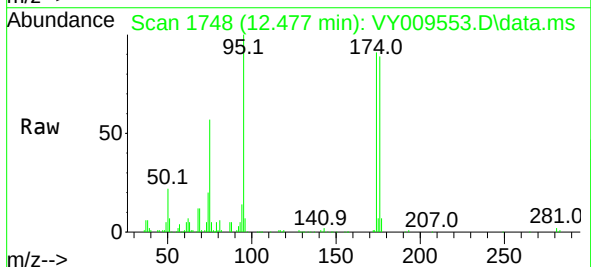
Instrument :
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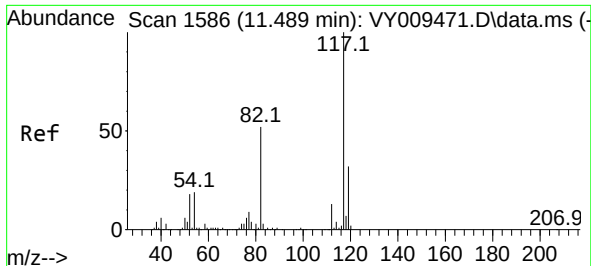
Tgt Ion: 98 Resp: 120843
Ion Ratio Lower Upper
98 100
100 66.4 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 38.541 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009553.D
Acq: 13 Jul 2022 12:33

Tgt Ion: 95 Resp: 58735
Ion Ratio Lower Upper
95 100
174 89.2 0.0 177.0
176 87.1 0.0 175.8

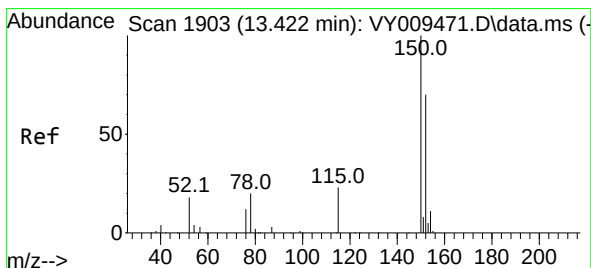
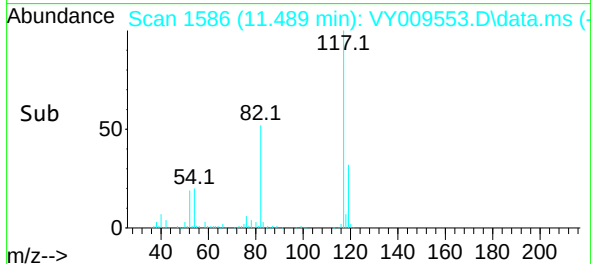
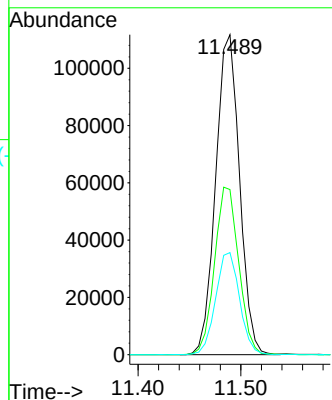
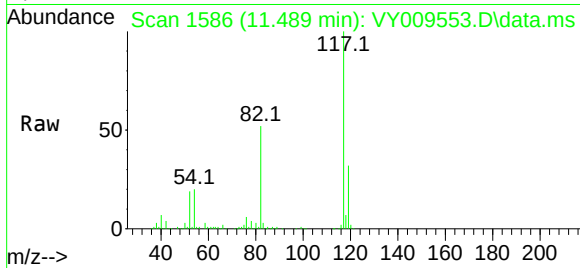




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY009553.D
Acq: 13 Jul 2022 12:33

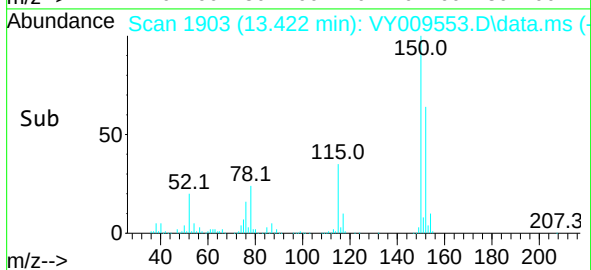
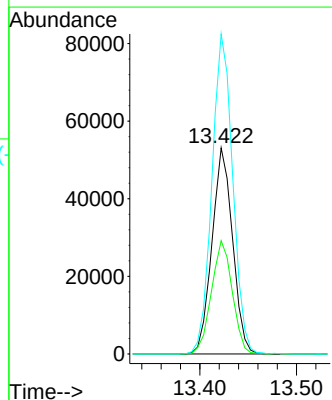
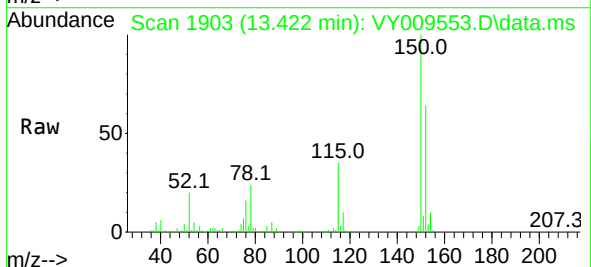
Instrument :
MSVOA_Y
ClientSampleId :
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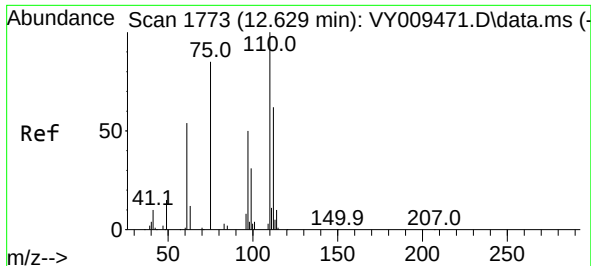
Tgt Ion:117 Resp: 180299
Ion Ratio Lower Upper
117 100
82 51.6 43.0 64.4
119 31.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009553.D
Acq: 13 Jul 2022 12:33

Tgt Ion:152 Resp: 78564
Ion Ratio Lower Upper
152 100
115 55.7 28.2 84.7
150 156.9 0.0 347.6

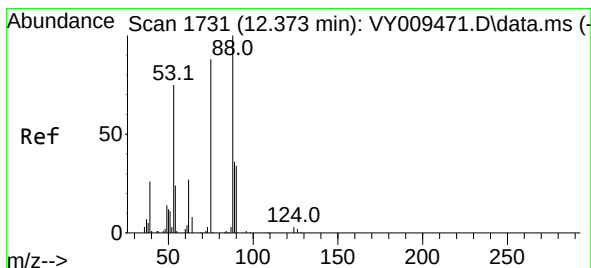
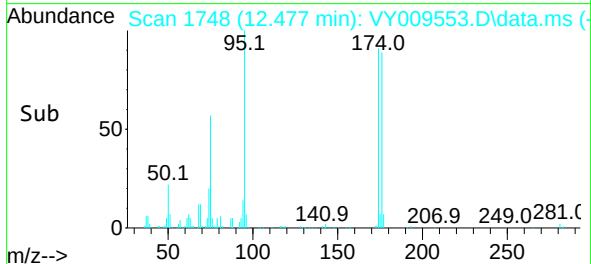
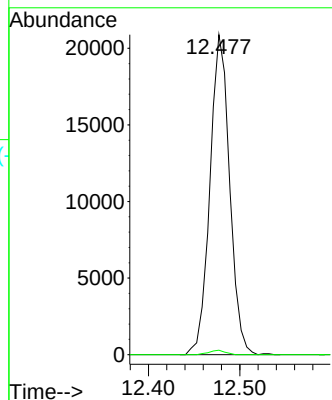
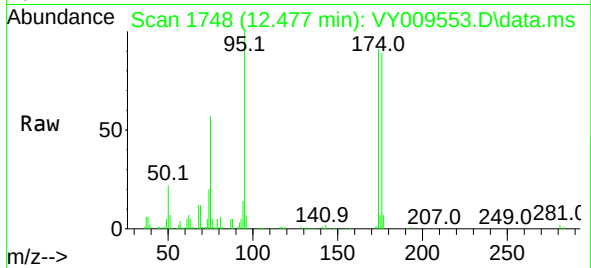




#76
1,2,3-Trichloropropane
Concen: 37.527 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY009553.D
Acq: 13 Jul 2022 12:33

Instrument :
MSVOA_Y
ClientSampleId :
20220508-COMPOSITE-C

Tgt Ion: 75 Resp: 31210
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.805 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009553.D
Acq: 13 Jul 2022 12:33

Tgt Ion: 75 Resp: 31210
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

