

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071322\
 Data File : VY009559.D
 Acq On : 13 Jul 2022 15:40
 Operator : KP/MD
 Sample : N3597-02
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220507-COMPOSITE-B

Quant Time: Jul 14 02:45:00 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)

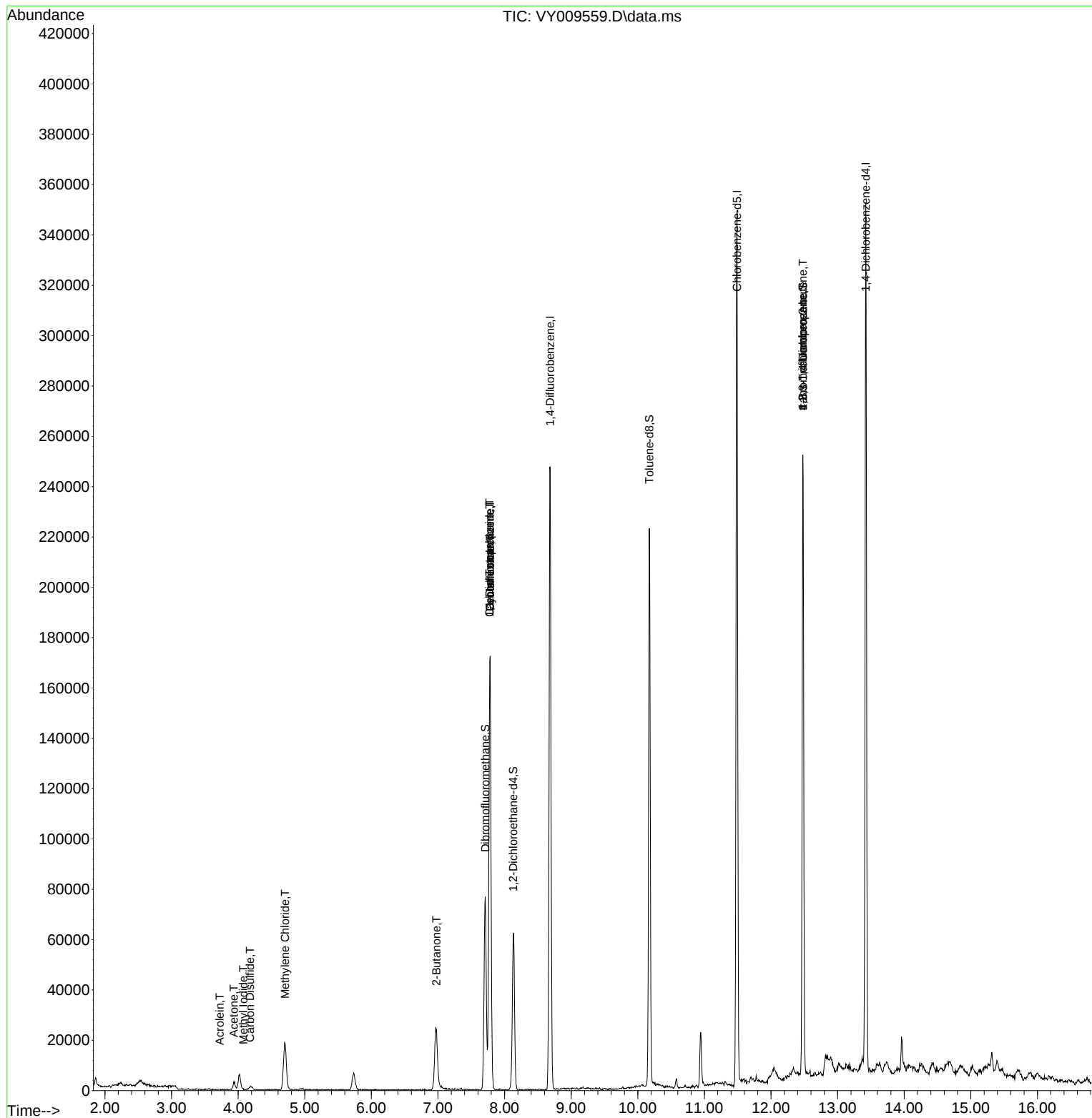
Internal Standards						
1) Pentafluorobenzene	7.783	168	135806	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	211924	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	189579	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	85212	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	47296	49.356	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.720%		
35) Dibromofluoromethane	7.710	113	51396	46.092	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.180%		
50) Toluene-d8	10.173	98	141318	45.491	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery =	90.980%		
62) 4-Bromofluorobenzene	12.477	95	69311	44.034	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery =	88.060%		
Target Compounds			Qvalue			
10) Methyl Iodide	4.076	142	87	4.212	ug/l #	35
11) Tert butyl alcohol	4.930	59	139	Below Cal	#	77
13) Acrolein	3.723	56	53	30.671	ug/l #	82
16) Acetone	3.936	43	5088	15.401	ug/l #	82
17) Carbon Disulfide	4.180	76	1325	4.749	ug/l #	75
20) Methylene Chloride	4.704	84	13731	4.475	ug/l	90
23) Vinyl Acetate	5.814	43	45	Below Cal	#	75
25) 2-Butanone	6.978	43	2474	4.629	ug/l	96
31) Cyclohexane	7.783	56	2892	1.298	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	9886	5.446	ug/l #	51
38) Carbon Tetrachloride	7.777	117	13402	6.903	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	35749	39.632	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	35749	81.111	ug/l #	7

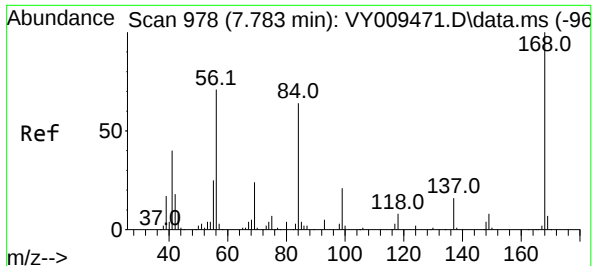
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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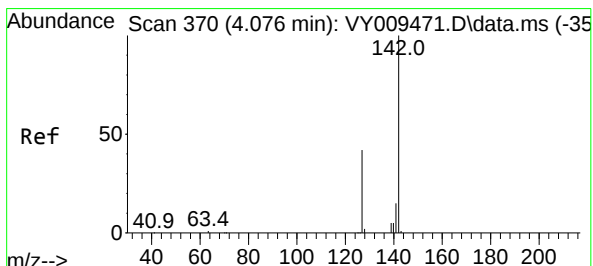
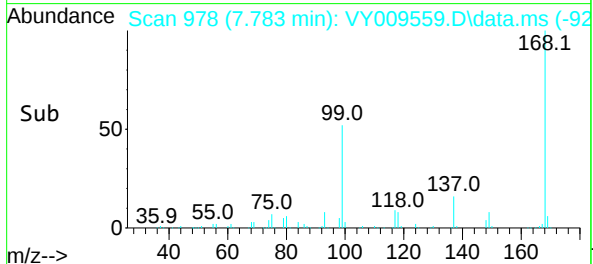
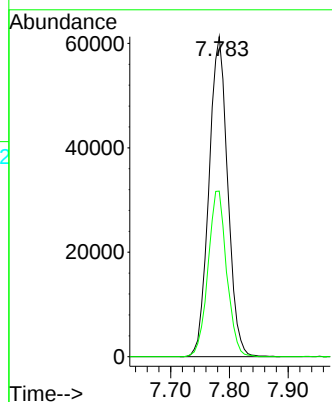
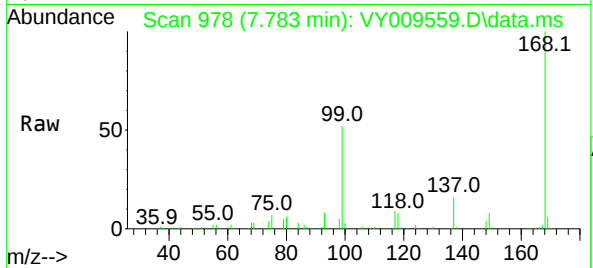




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009559.D
Acq: 13 Jul 2022 15:40

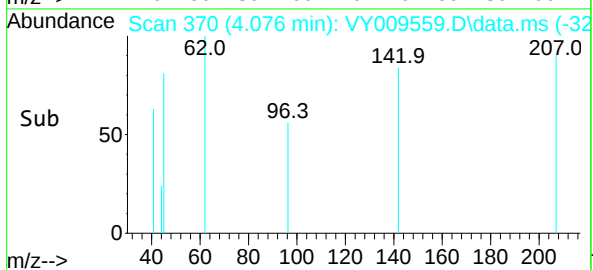
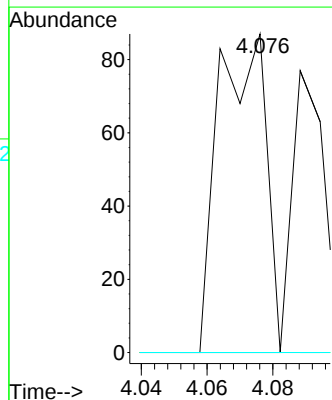
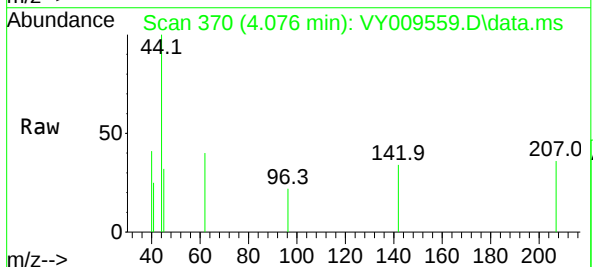
Instrument :
MSVOA_Y
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20220507-COMPOSITE-B

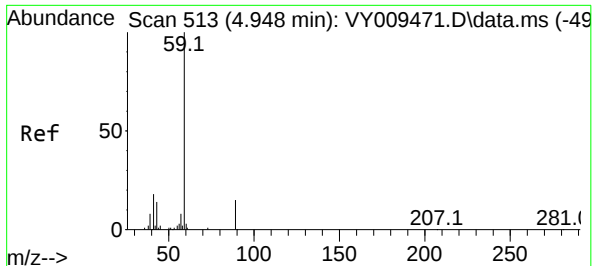
Tgt Ion:168 Resp: 135806
Ion Ratio Lower Upper
168 100
99 51.8 46.9 70.3



#10
Methyl Iodide
Concen: 4.212 ug/l
RT: 4.076 min Scan# 370
Delta R.T. 0.000 min
Lab File: VY009559.D
Acq: 13 Jul 2022 15:40

Tgt Ion:142 Resp: 87
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#

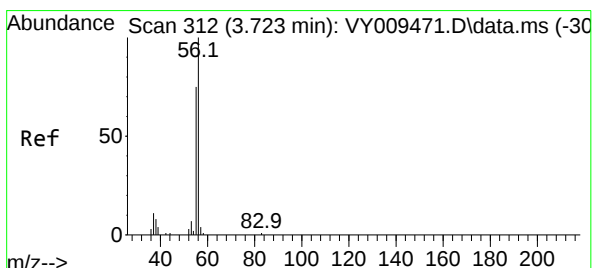
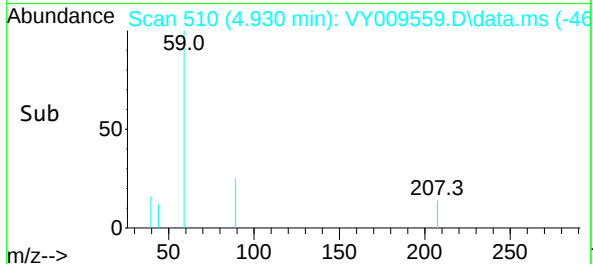
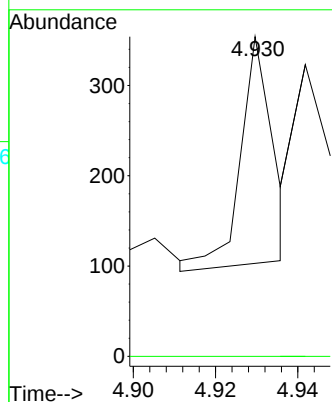
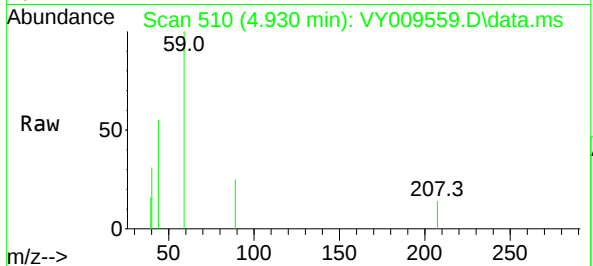




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 513
Delta R.T. -0.018 min
Lab File: VY009559.D
Acq: 13 Jul 2022 15:40

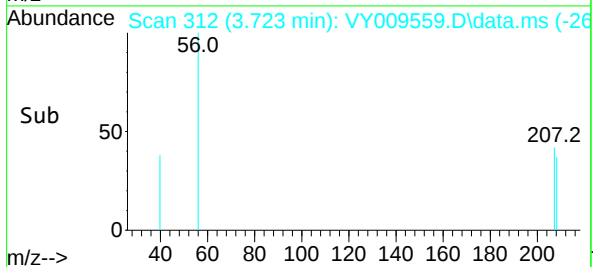
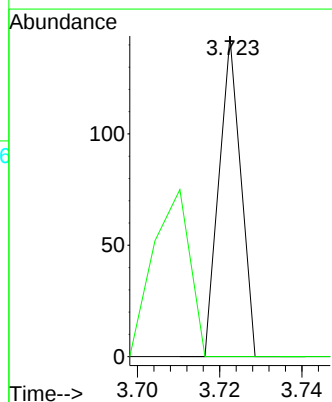
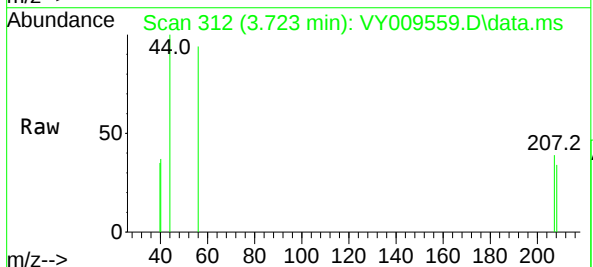
Instrument :
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ClientSampleId :
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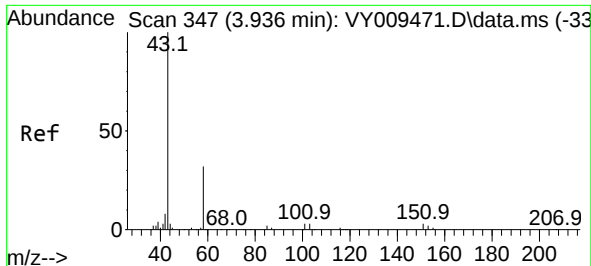
Tgt Ion: 59 Resp: 139
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#13
Acrolein
Concen: 30.671 ug/l
RT: 3.723 min Scan# 312
Delta R.T. -0.000 min
Lab File: VY009559.D
Acq: 13 Jul 2022 15:40

Tgt Ion: 56 Resp: 53
Ion Ratio Lower Upper
56 100
55 86.8 57.6 86.4#

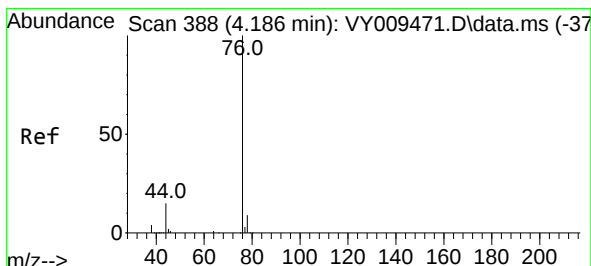
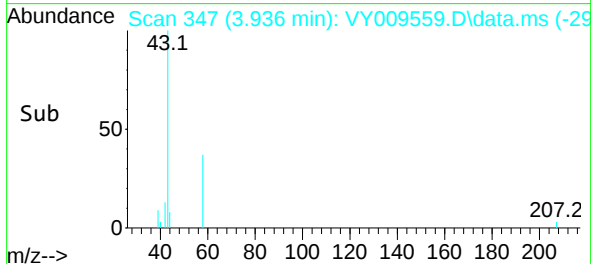
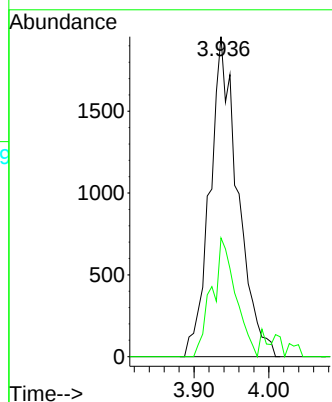
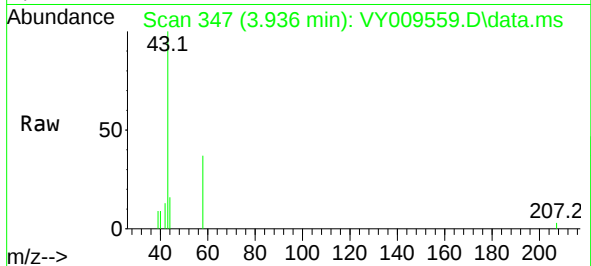




#16
Acetone
Concen: 15.401 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.000 min
Lab File: VY009559.D
Acq: 13 Jul 2022 15:40

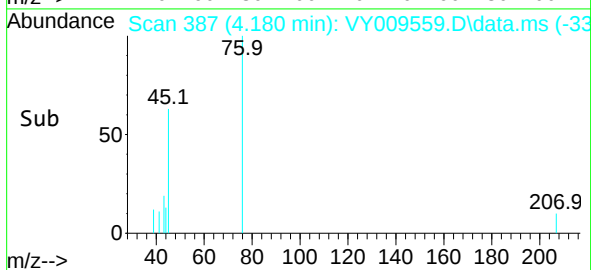
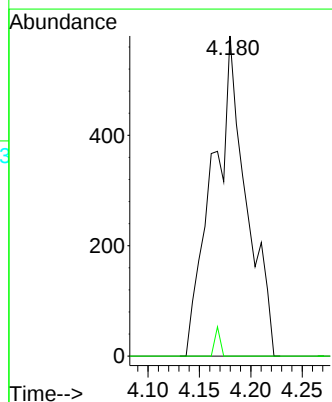
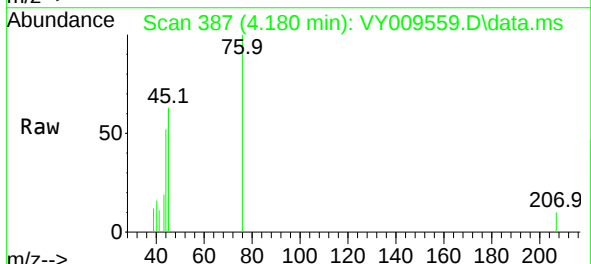
Instrument :
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ClientSampleId :
20220507-COMPOSITE-B

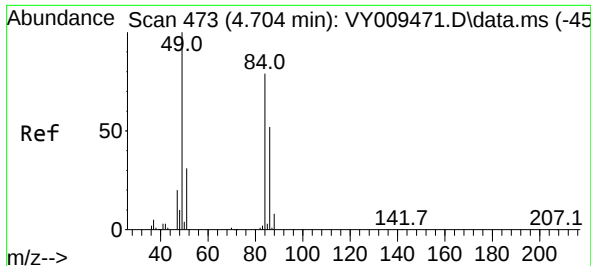
Tgt Ion: 43 Resp: 5088
Ion Ratio Lower Upper
43 100
58 37.1 22.0 33.0#



#17
Carbon Disulfide
Concen: 4.749 ug/l
RT: 4.180 min Scan# 387
Delta R.T. -0.006 min
Lab File: VY009559.D
Acq: 13 Jul 2022 15:40

Tgt Ion: 76 Resp: 1325
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

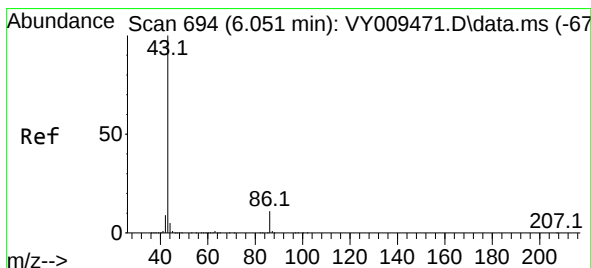
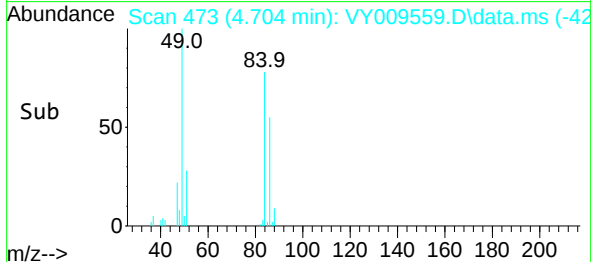
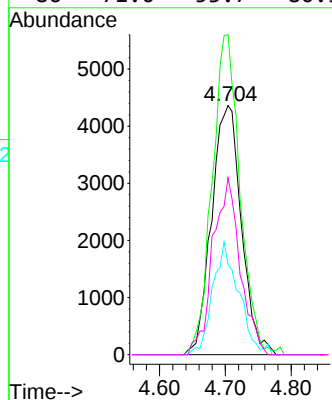
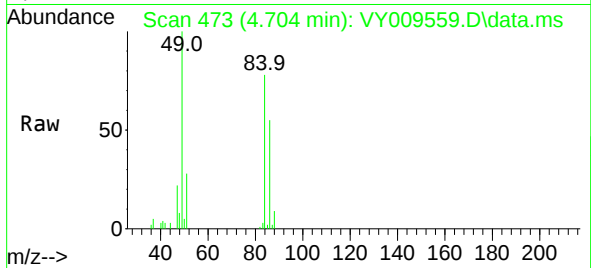




#20
Methylene Chloride
Concen: 4.475 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY009559.D
Acq: 13 Jul 2022 15:40

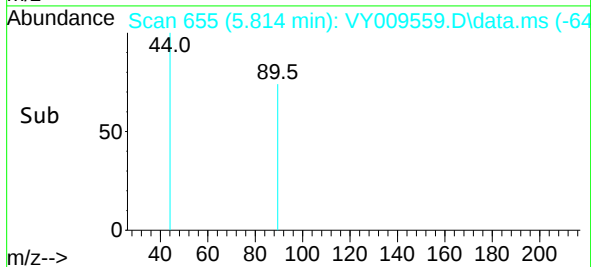
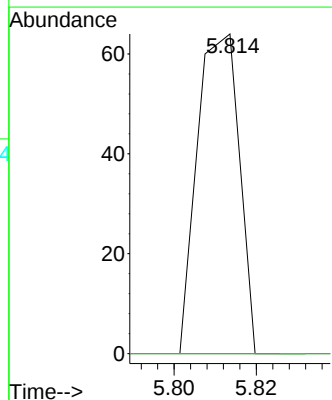
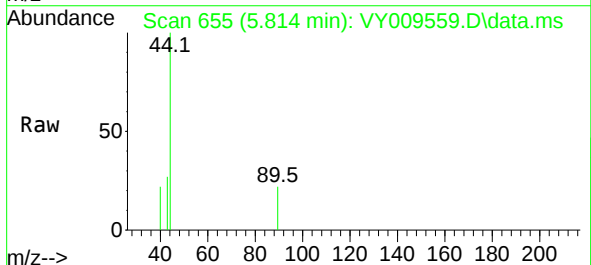
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ClientSampleId :
20220507-COMPOSITE-B

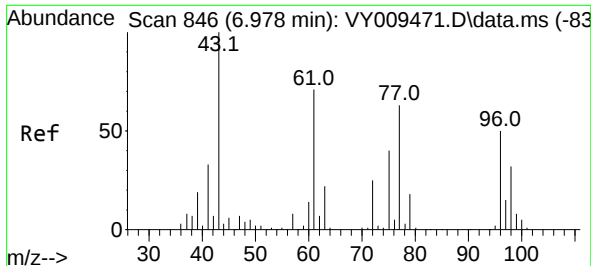
Tgt Ion:	84	Resp:	13731
Ion	Ratio	Lower	Upper
84	100		
49	128.5	114.4	171.6
51	36.2	35.3	52.9
86	71.0	53.7	80.5



#23
Vinyl Acetate
Concen: Below Cal
RT: 5.814 min Scan# 655
Delta R.T. -0.237 min
Lab File: VY009559.D
Acq: 13 Jul 2022 15:40

Tgt Ion:	43	Resp:	45
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.1	10.7#

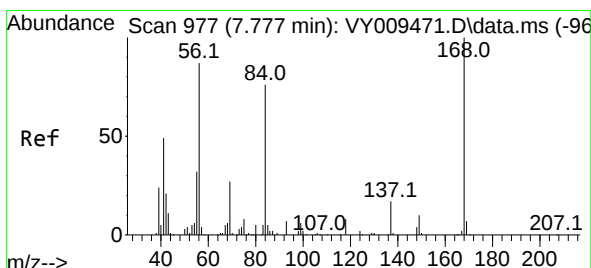
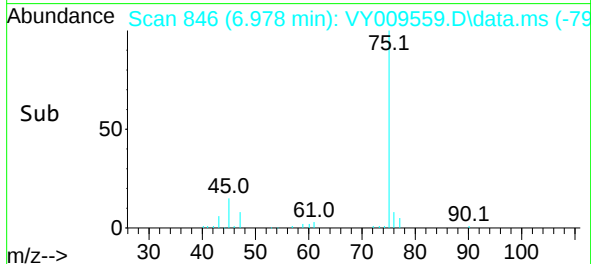
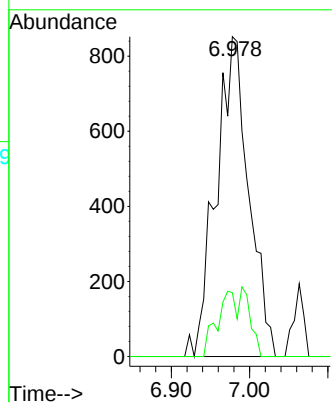
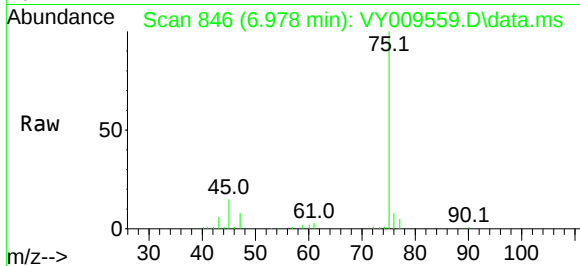




#25
2-Butanone
Concen: 4.629 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY009559.D
Acq: 13 Jul 2022 15:40

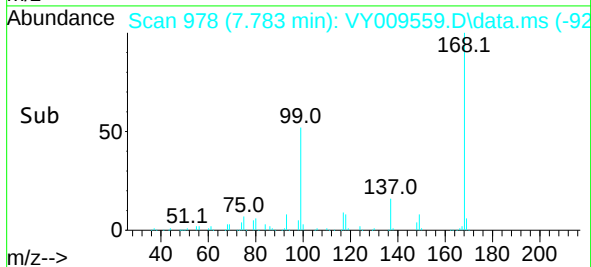
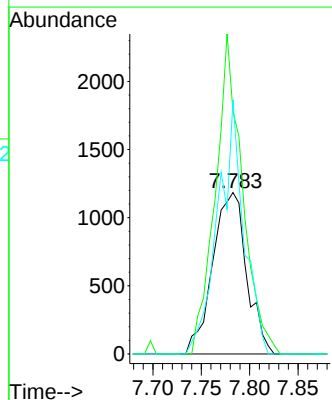
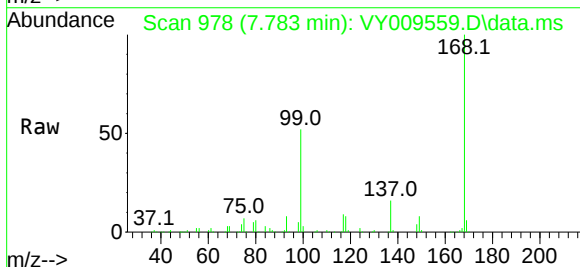
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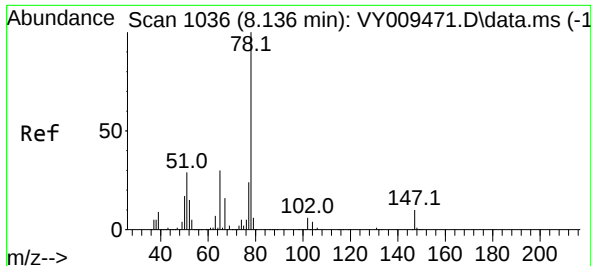
Tgt Ion: 43 Resp: 2474
Ion Ratio Lower Upper
43 100
72 20.0 17.7 26.5



#31
Cyclohexane
Concen: 1.298 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY009559.D
Acq: 13 Jul 2022 15:40

Tgt Ion: 56 Resp: 2892
Ion Ratio Lower Upper
56 100
69 150.0 26.7 40.1#
84 157.3 67.2 100.8#

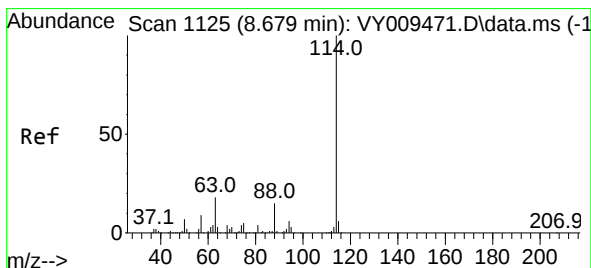
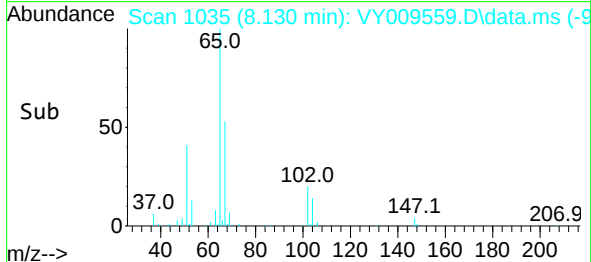
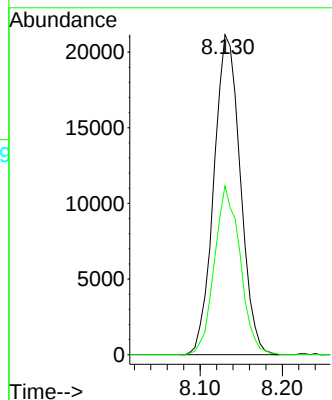
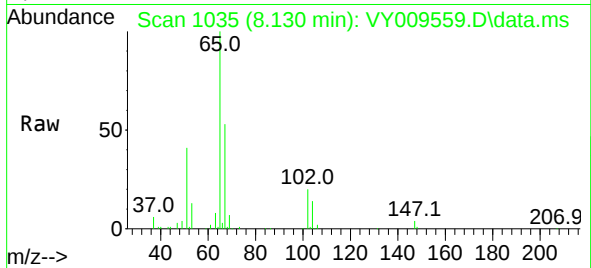




#33
 1,2-Dichloroethane-d4
 Concen: 49.356 ug/l
 RT: 8.130 min Scan# 1103
 Delta R.T. -0.006 min
 Lab File: VY009559.D
 Acq: 13 Jul 2022 15:40

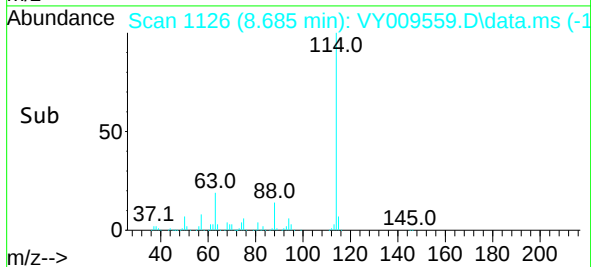
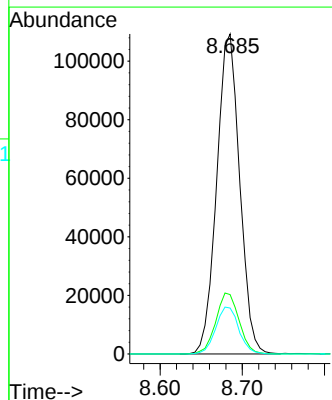
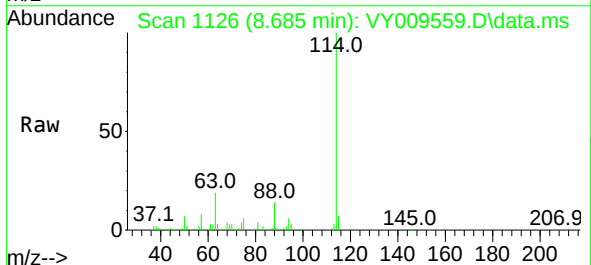
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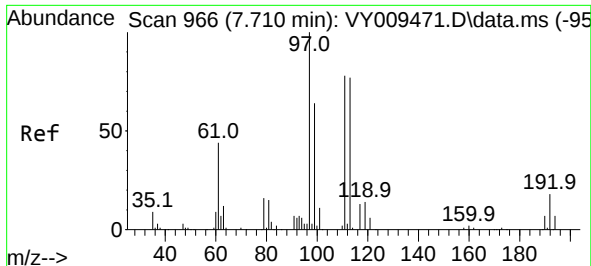
Tgt Ion: 65 Resp: 47296
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.006 min
 Lab File: VY009559.D
 Acq: 13 Jul 2022 15:40

Tgt Ion: 114 Resp: 211924
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 43.2
 88 14.4 0.0 31.8

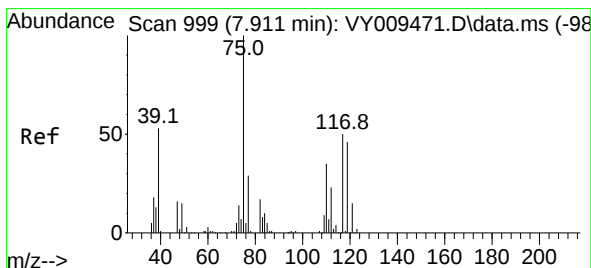
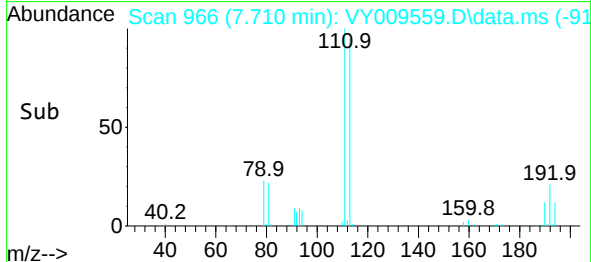
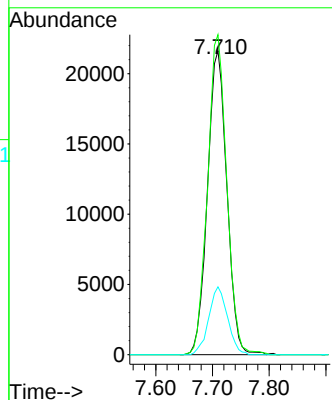
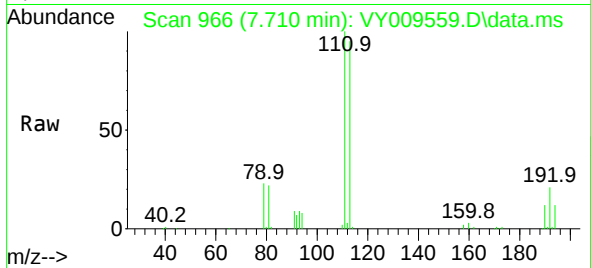




#35
Dibromofluoromethane
Concen: 46.092 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY009559.D
Acq: 13 Jul 2022 15:40

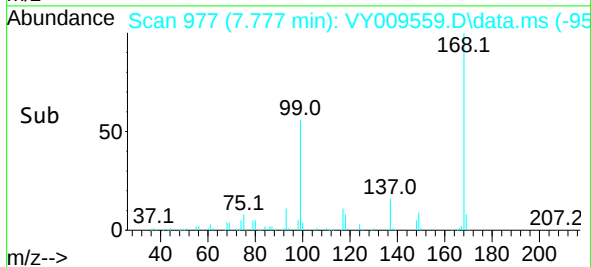
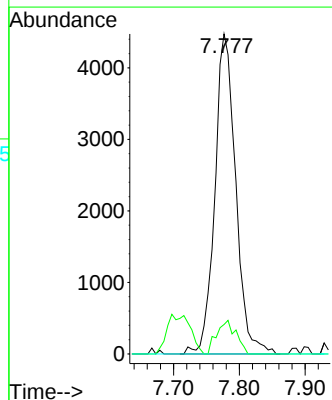
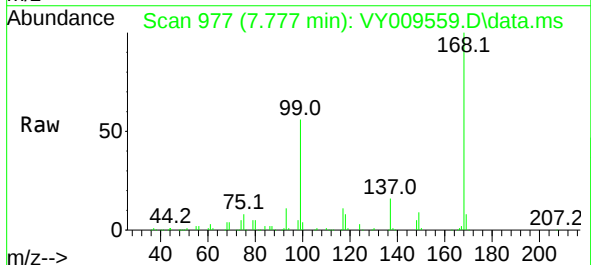
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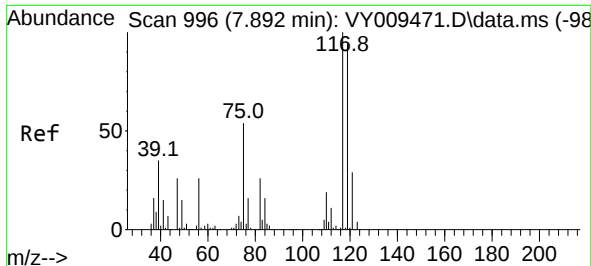
Tgt Ion:113 Resp: 51396
Ion Ratio Lower Upper
113 100
111 104.2 82.6 124.0
192 21.7 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.446 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.134 min
Lab File: VY009559.D
Acq: 13 Jul 2022 15:40

Tgt Ion: 75 Resp: 9886
Ion Ratio Lower Upper
75 100
110 9.7 17.1 51.2#
77 0.0 24.4 36.6#

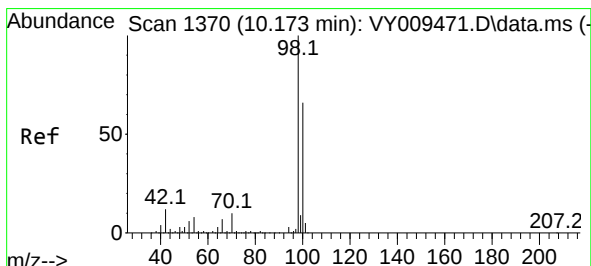
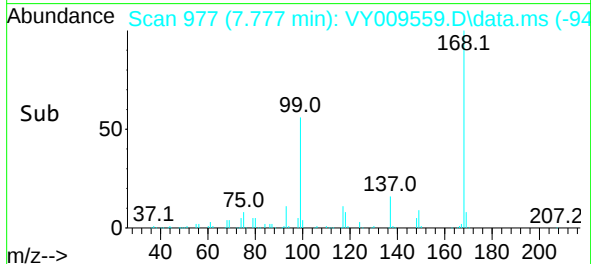
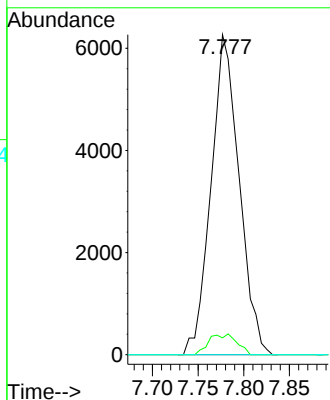
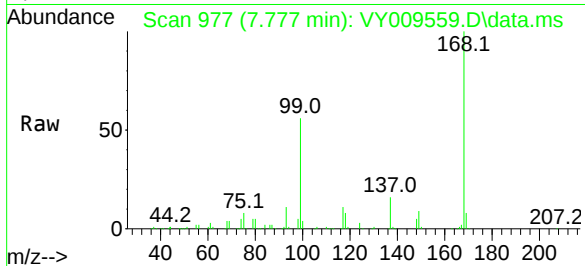




#38
Carbon Tetrachloride
Concen: 6.903 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY009559.D
Acq: 13 Jul 2022 15:40

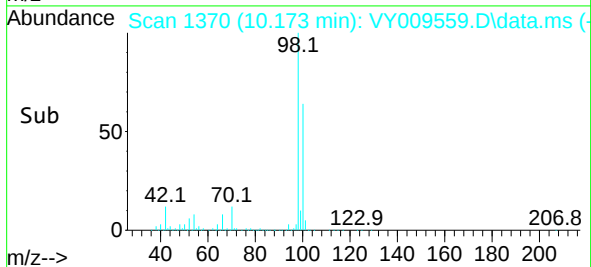
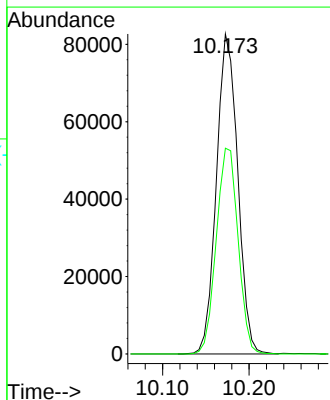
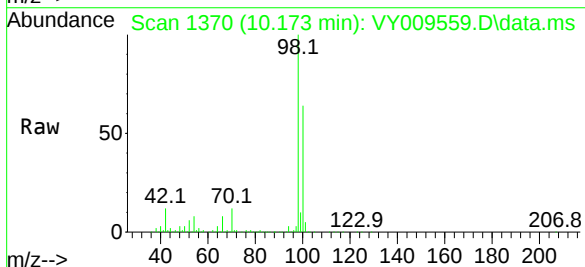
Instrument :
MSVOA_Y
ClientSampleId :
20220507-COMPOSITE-B

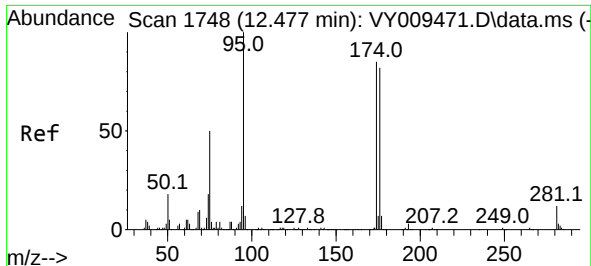
Tgt Ion:117 Resp: 13402
Ion Ratio Lower Upper
117 100
119 5.3 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 45.491 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.000 min
Lab File: VY009559.D
Acq: 13 Jul 2022 15:40

Tgt Ion: 98 Resp: 141318
Ion Ratio Lower Upper
98 100
100 65.8 50.2 75.2

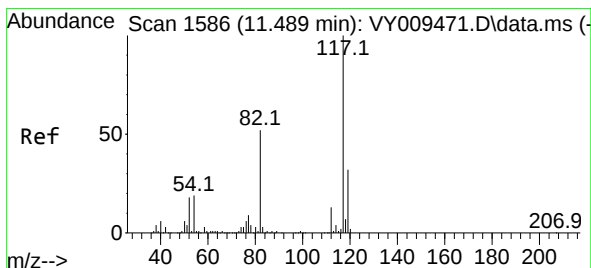
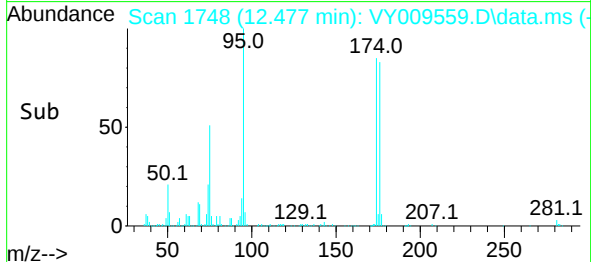
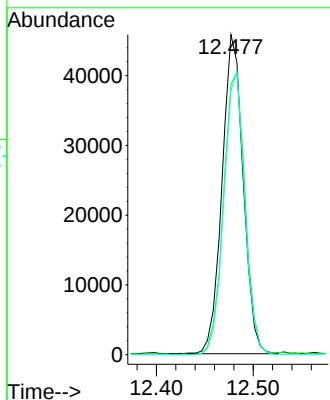
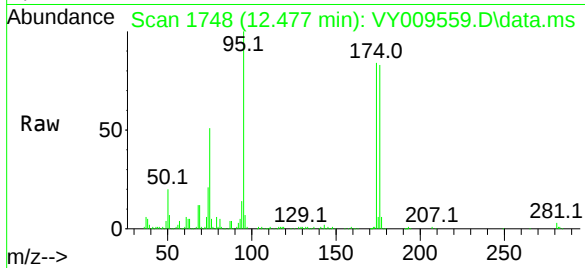




#62
4-Bromofluorobenzene
Concen: 44.034 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009559.D
Acq: 13 Jul 2022 15:40

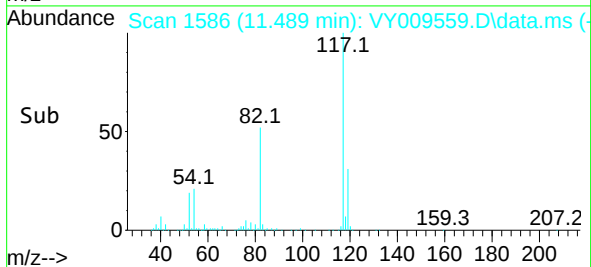
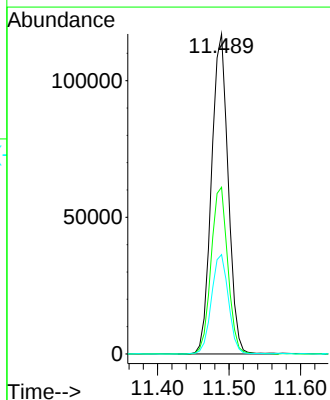
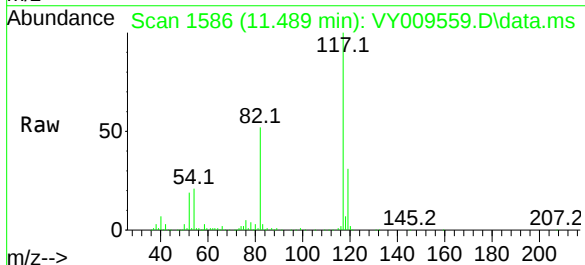
Instrument :
MSVOA_Y
ClientSampleId :
20220507-COMPOSITE-B

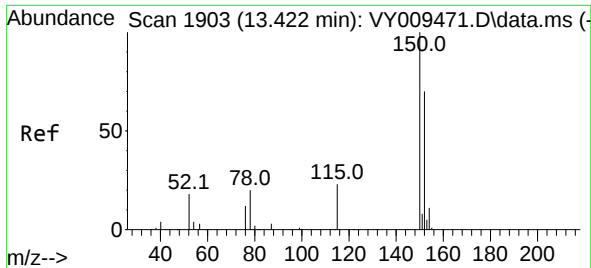
Tgt Ion: 95 Resp: 69311
Ion Ratio Lower Upper
95 100
174 91.8 0.0 177.0
176 87.4 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY009559.D
Acq: 13 Jul 2022 15:40

Tgt Ion: 117 Resp: 189579
Ion Ratio Lower Upper
117 100
82 52.1 43.0 64.4
119 31.0 25.4 38.0

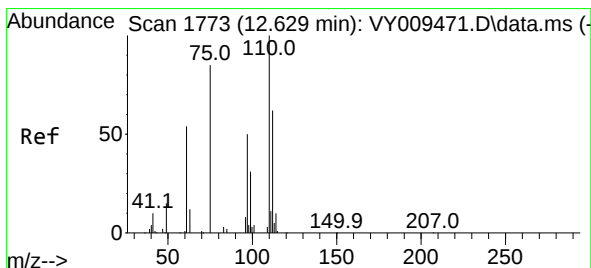
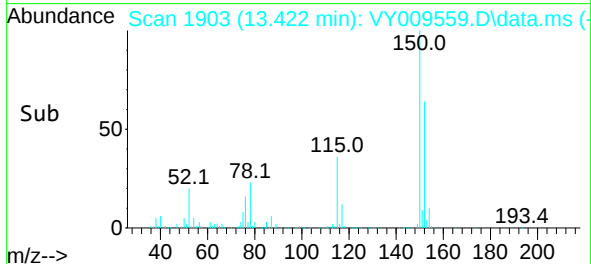
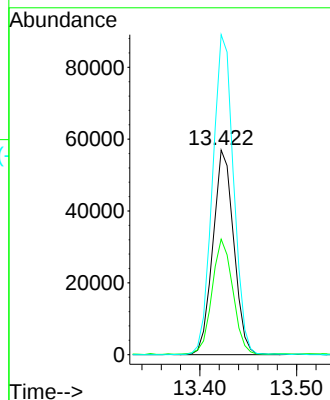
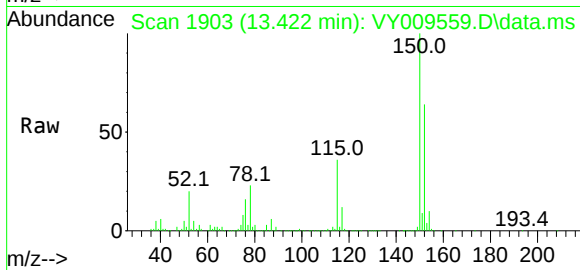




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VY009559.D
 Acq: 13 Jul 2022 15:40

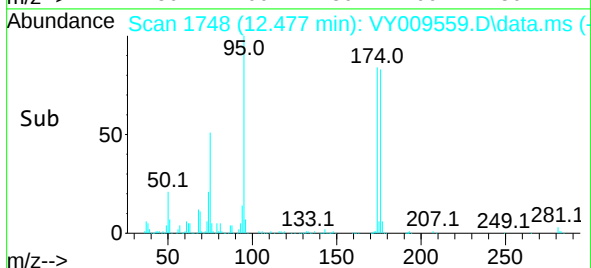
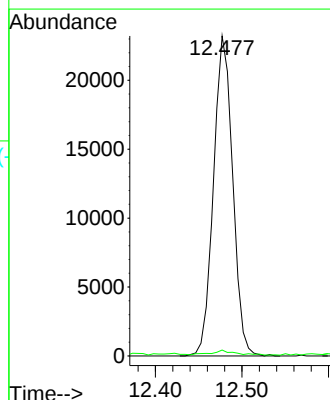
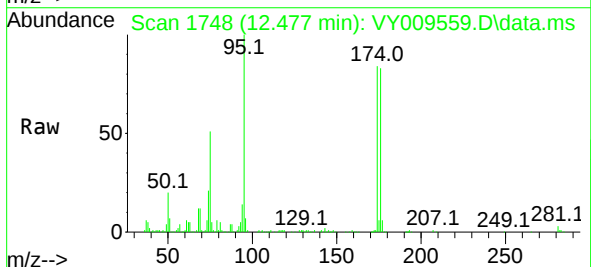
Instrument : MSVOA_Y
 ClientSampleId : 20220507-COMPOSITE-B

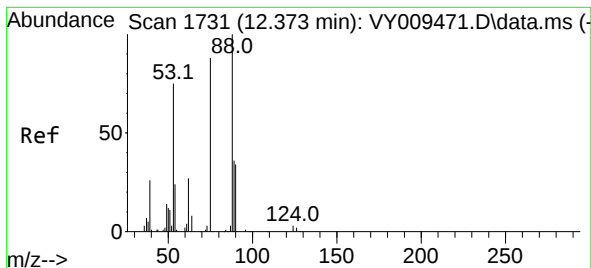
Tgt Ion:152 Resp: 85212
 Ion Ratio Lower Upper
 152 100
 115 55.9 28.2 84.7
 150 158.1 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 39.632 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY009559.D
 Acq: 13 Jul 2022 15:40

Tgt Ion: 75 Resp: 35749
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 81.111 ug/l

RT: 12.477 min Scan# 11

Delta R.T. 0.104 min

Lab File: VY009559.D

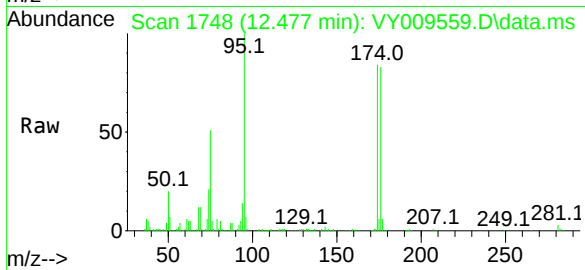
Acq: 13 Jul 2022 15:40

Instrument :

MSVOA_Y

ClientSampleId :

20220507-COMPOSITE-B



Tgt Ion: 75 Resp: 35749

Ion Ratio Lower Upper

75 100

53 0.1 85.3 127.9#

89 0.2 37.0 55.4#

