

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071222\
 Data File : VY009535.D
 Acq On : 12 Jul 2022 16:20
 Operator : KP/MD
 Sample : N3597-02
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220507-COMPOSITE-B

Quant Time: Jul 13 01:15:52 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)

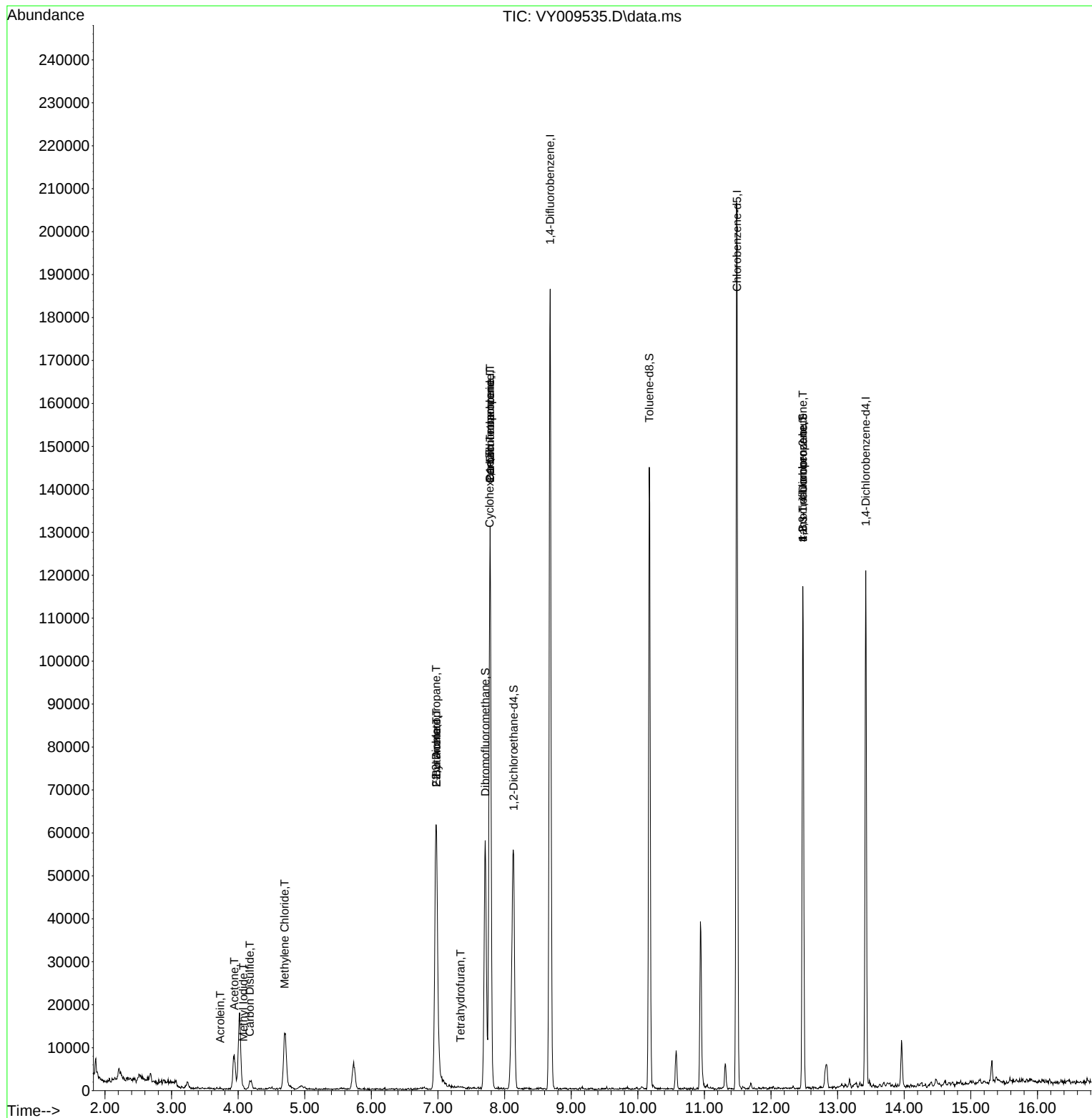
Internal Standards						
1) Pentafluorobenzene	7.783	168	101811	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	157219	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	112538	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	29832	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	38171	53.704	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.400%			
35) Dibromofluoromethane	7.710	113	39587	47.854	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.700%			
50) Toluene-d8	10.173	98	92278	38.879	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery = 77.760%#			
62) 4-Bromofluorobenzene	12.477	95	31257	26.768	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery = 53.540%			
Target Compounds			Qvalue			
10) Methyl Iodide	4.076	142	22	4.179	ug/l #	35
11) Tert butyl alcohol	4.948	59	868	Below Cal	#	93
13) Acrolein	3.729	56	149	31.864	ug/l #	68
16) Acetone	3.942	43	13790	55.679	ug/l #	88
17) Carbon Disulfide	4.174	76	2541	5.258	ug/l #	75
20) Methylene Chloride	4.698	84	9484	3.712	ug/l #	80
23) Vinyl Acetate	6.149	43	19	Below Cal	#	75
25) 2-Butanone	6.978	43	7419	18.517	ug/l	95
26) 2,2-Dichloropropane	6.972	77	4644	2.743	ug/l #	57
29) Tetrahydrofuran	7.338	42	292	1.127	ug/l #	49
31) Cyclohexane	7.777	56	2137	1.279	ug/l #	25
36) 1,1-Dichloropropene	7.783	75	8635	6.412	ug/l #	51
37) Ethyl Acetate	6.978	43	7419	8.788	ug/l #	44
38) Carbon Tetrachloride	7.783	117	9560	6.637	ug/l #	14
76) 1,2,3-Trichloropropane	12.477	75	17041	53.962	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	17041	110.441	ug/l #	7

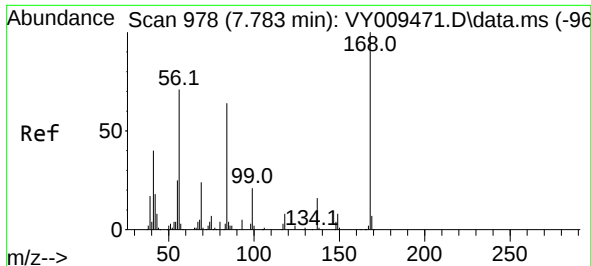
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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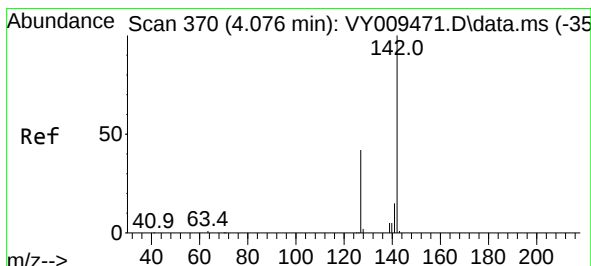
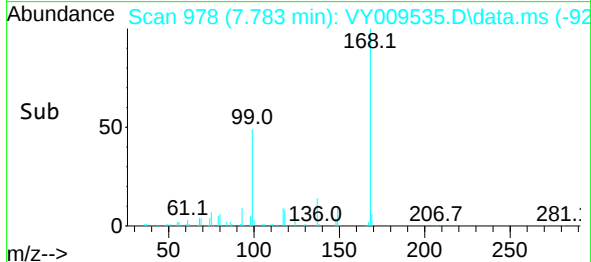
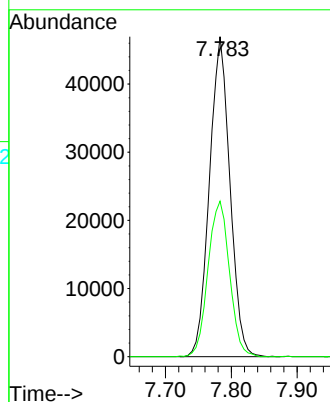
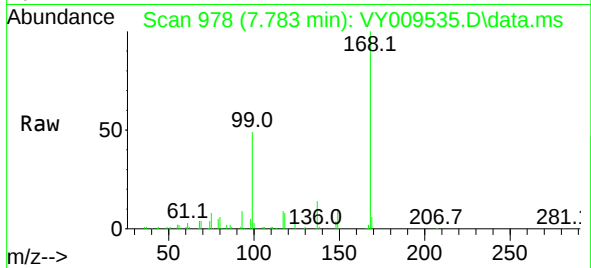




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009535.D
Acq: 12 Jul 2022 16:20

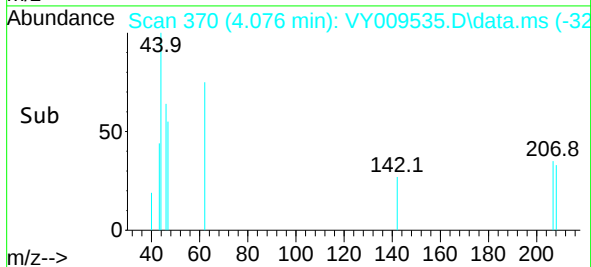
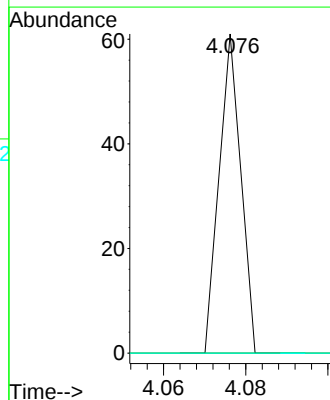
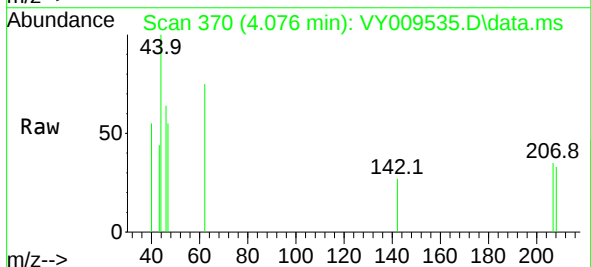
Instrument :
MSVOA_Y
ClientSampleId :
20220507-COMPOSITE-B

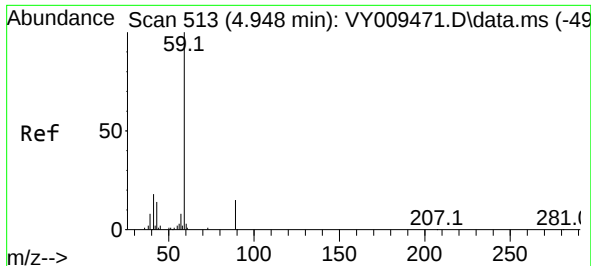
Tgt Ion:168 Resp: 101811
Ion Ratio Lower Upper
168 100
99 48.6 46.9 70.3



#10
Methyl Iodide
Concen: 4.179 ug/l
RT: 4.076 min Scan# 370
Delta R.T. 0.000 min
Lab File: VY009535.D
Acq: 12 Jul 2022 16:20

Tgt Ion:142 Resp: 22
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: 4.948 min Scan# 513

Delta R.T. -0.000 min

Lab File: VY009535.D

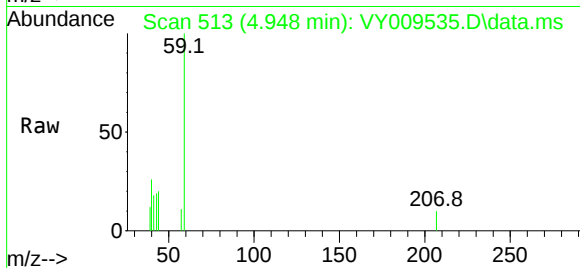
Acq: 12 Jul 2022 16:20

Instrument :

MSVOA_Y

ClientSampleId :

20220507-COMPOSITE-B

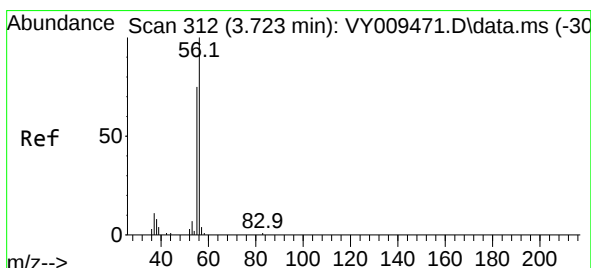
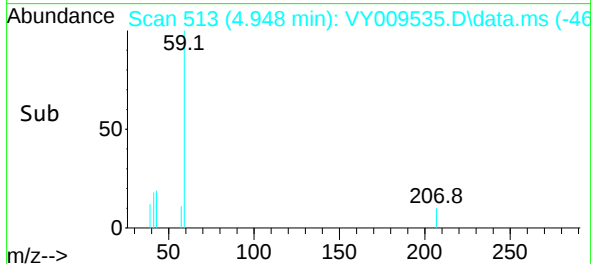
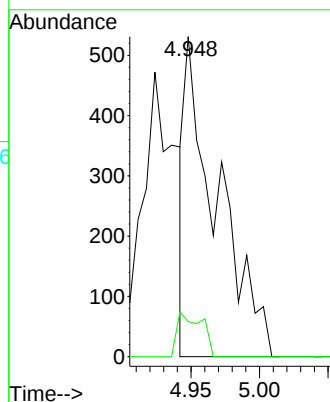


Tgt Ion: 59 Resp: 868

Ion Ratio Lower Upper

59 100

57 10.5 6.4 9.6#



#13

Acrolein

Concen: 31.864 ug/l

RT: 3.729 min Scan# 313

Delta R.T. 0.006 min

Lab File: VY009535.D

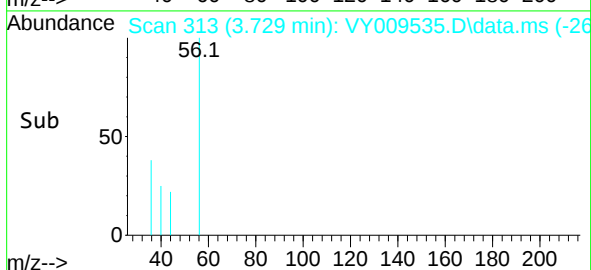
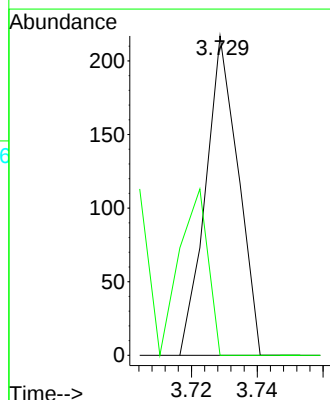
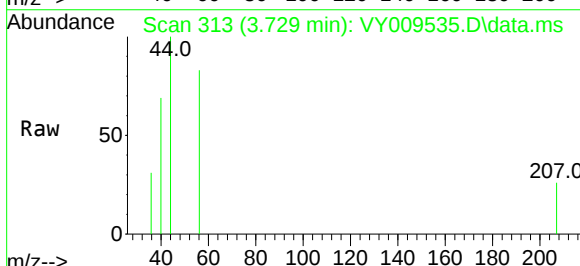
Acq: 12 Jul 2022 16:20

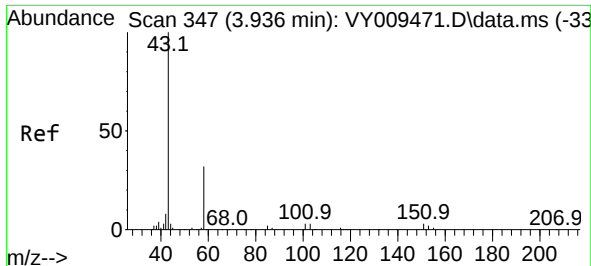
Tgt Ion: 56 Resp: 149

Ion Ratio Lower Upper

56 100

55 45.6 57.6 86.4#

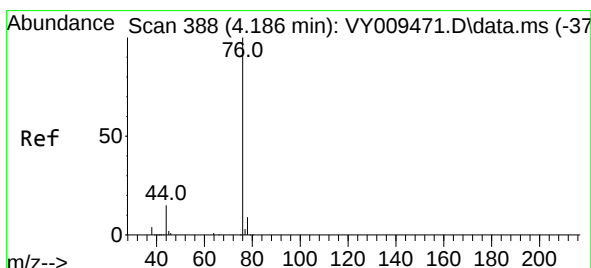
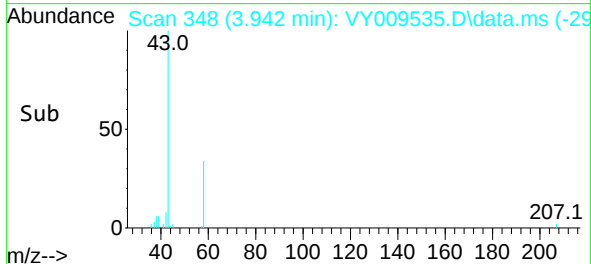
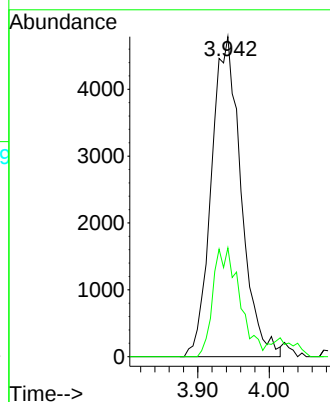
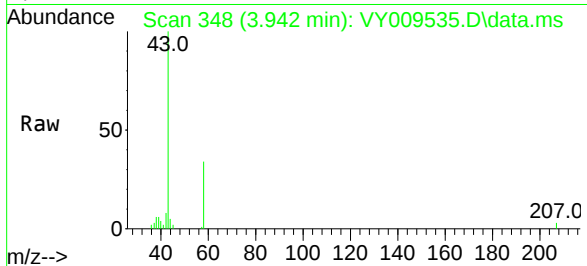




#16
Acetone
Concen: 55.679 ug/l
RT: 3.942 min Scan# 347
Delta R.T. 0.006 min
Lab File: VY009535.D
Acq: 12 Jul 2022 16:20

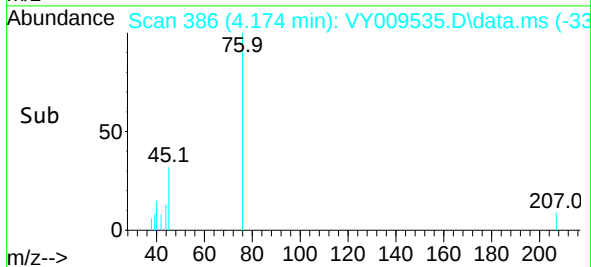
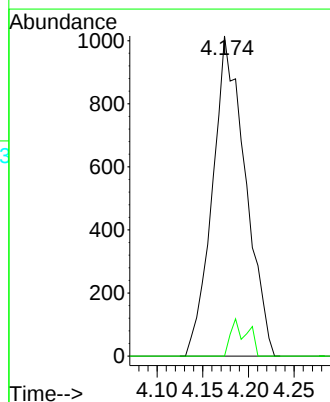
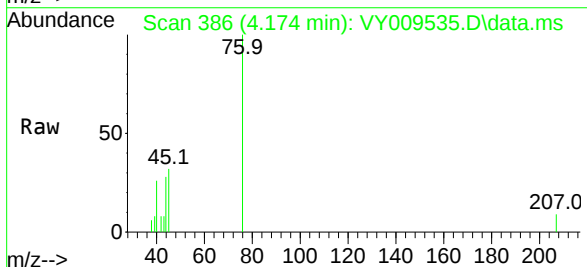
Instrument :
MSVOA_Y
ClientSampleId :
20220507-COMPOSITE-B

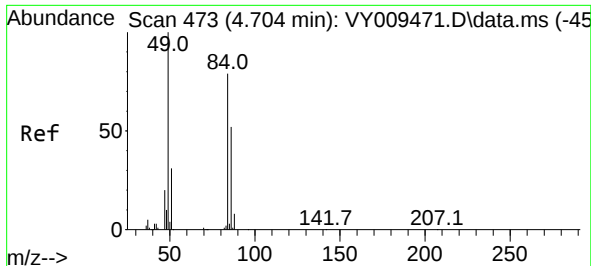
Tgt Ion: 43 Resp: 13790
Ion Ratio Lower Upper
43 100
58 34.0 22.0 33.0#



#17
Carbon Disulfide
Concen: 5.258 ug/l
RT: 4.174 min Scan# 386
Delta R.T. -0.012 min
Lab File: VY009535.D
Acq: 12 Jul 2022 16:20

Tgt Ion: 76 Resp: 2541
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

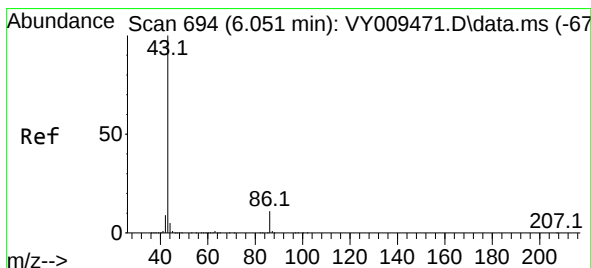
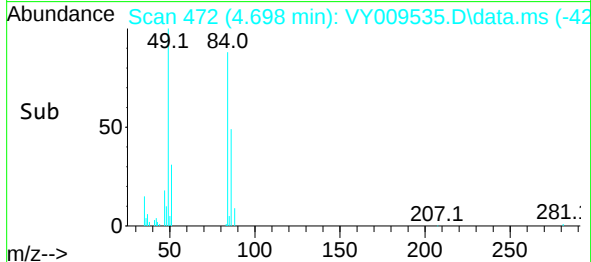
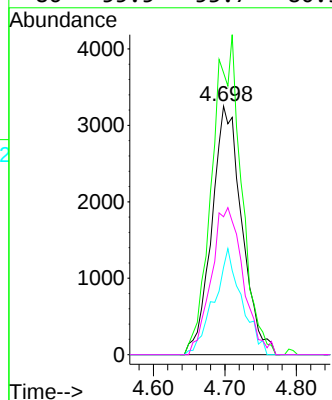
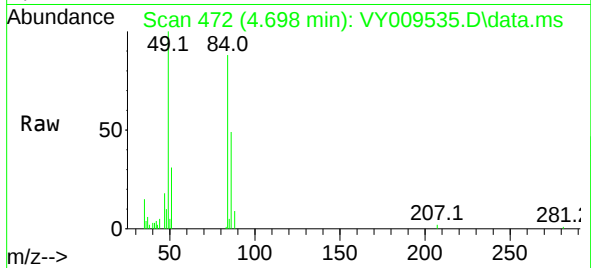




#20
Methylene Chloride
Concen: 3.712 ug/l
RT: 4.698 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY009535.D
Acq: 12 Jul 2022 16:20

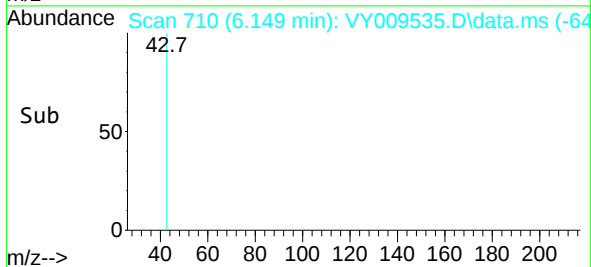
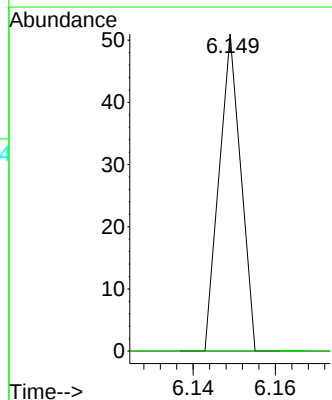
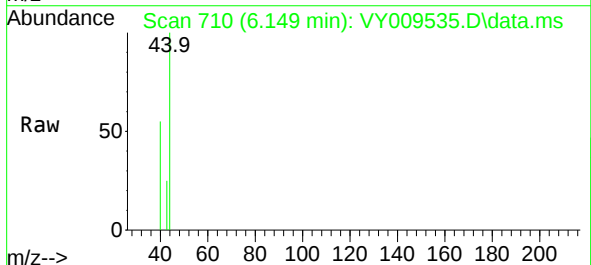
Instrument :
MSVOA_Y
ClientSampleId :
20220507-COMPOSITE-B

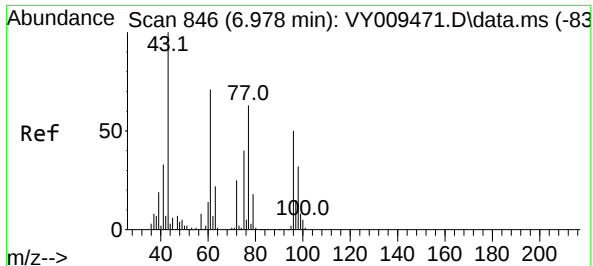
Tgt Ion: 84 Resp: 9484
Ion Ratio Lower Upper
84 100
49 113.5 114.4 171.6#
51 35.1 35.3 52.9#
86 55.5 53.7 80.5



#23
Vinyl Acetate
Concen: Below Cal
RT: 6.149 min Scan# 710
Delta R.T. 0.098 min
Lab File: VY009535.D
Acq: 12 Jul 2022 16:20

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





#25

2-Butanone

Concen: 18.517 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY009535.D

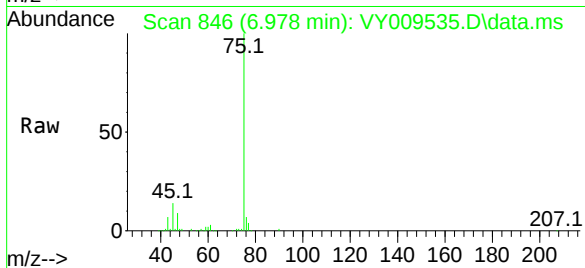
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Instrument :

MSVOA_Y

ClientSampleId :

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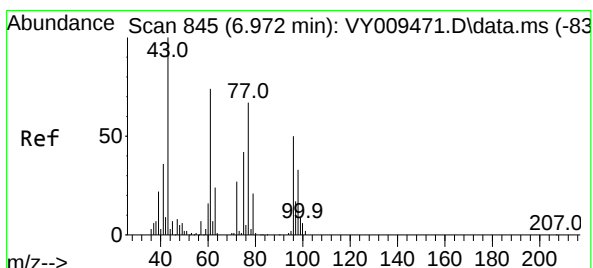
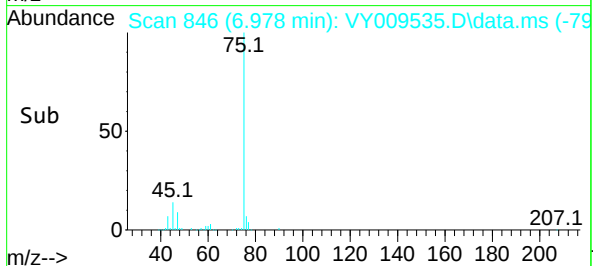
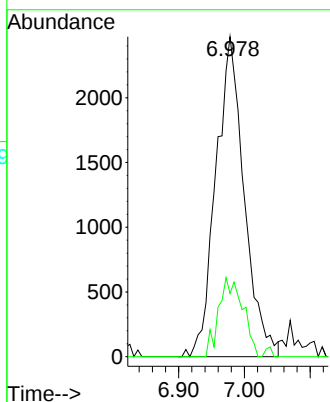


Tgt Ion: 43 Resp: 7419

Ion Ratio Lower Upper

43 100

72 19.7 17.7 26.5



#26

2,2-Dichloropropane

Concen: 2.743 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.000 min

Lab File: VY009535.D

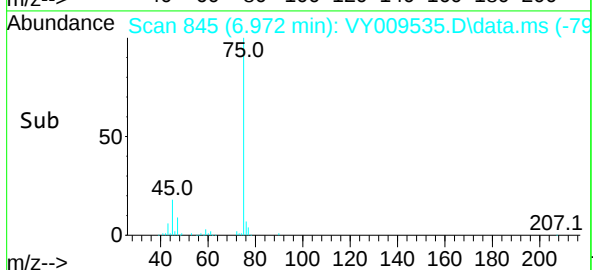
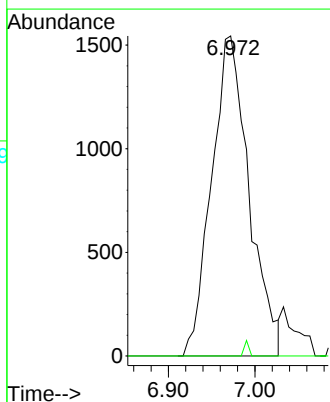
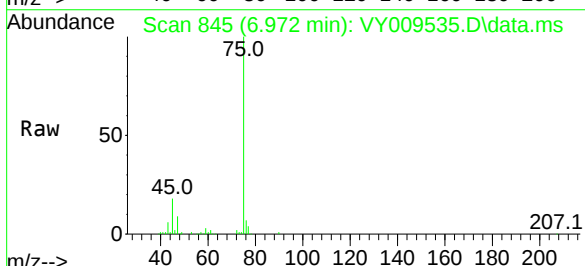
Acq: 12 Jul 2022 16:20

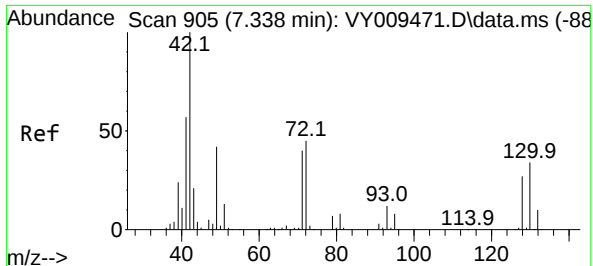
Tgt Ion: 77 Resp: 4644

Ion Ratio Lower Upper

77 100

97 0.6 10.4 31.4#





#29

Tetrahydrofuran

Concen: 1.127 ug/l

RT: 7.338 min Scan# 905

Delta R.T. -0.000 min

Lab File: VY009535.D

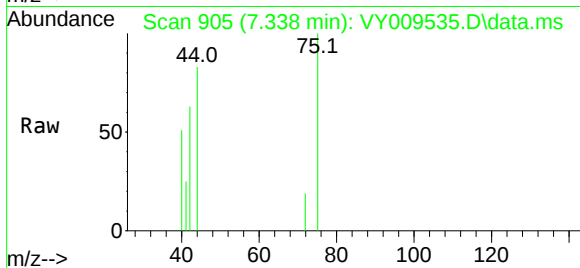
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Instrument :

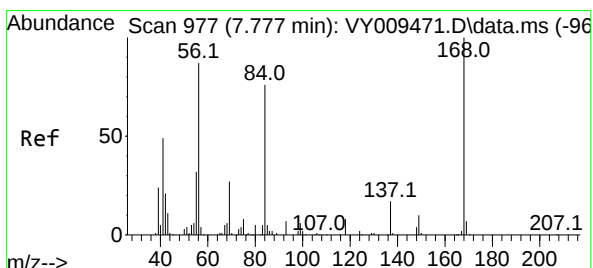
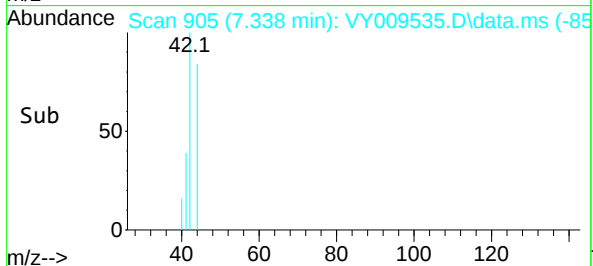
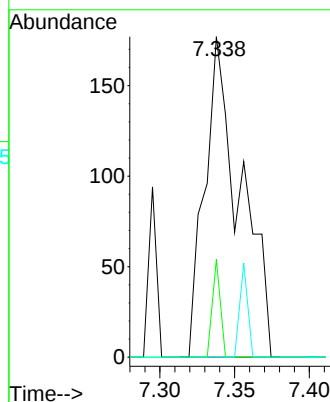
MSVOA_Y

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Tgt Ion:	42	Resp:	292
Ion	Ratio	Lower	Upper
42	100		
72	6.8	30.3	45.5#
71	6.5	29.0	43.4#



#31

Cyclohexane

Concen: 1.279 ug/l

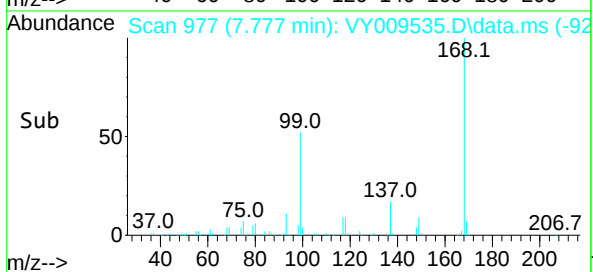
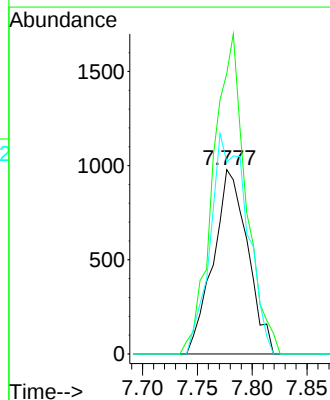
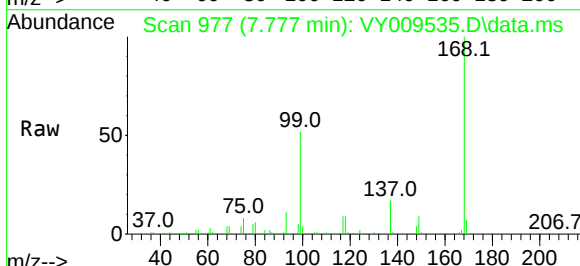
RT: 7.777 min Scan# 977

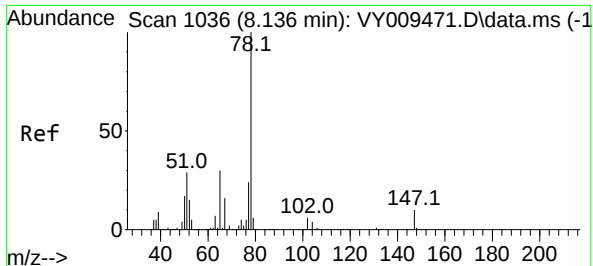
Delta R.T. -0.000 min

Lab File: VY009535.D

Acq: 12 Jul 2022 16:20

Tgt Ion:	56	Resp:	2137
Ion	Ratio	Lower	Upper
56	100		
69	152.1	26.7	40.1#
84	104.2	67.2	100.8#





#33

1,2-Dichloroethane-d4

Concen: 53.704 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY009535.D

Acq: 12 Jul 2022 16:20

Instrument :

MSVOA_Y

ClientSampleId :

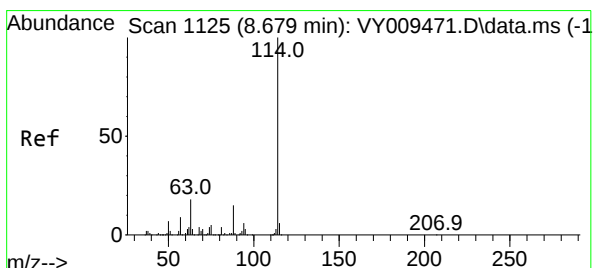
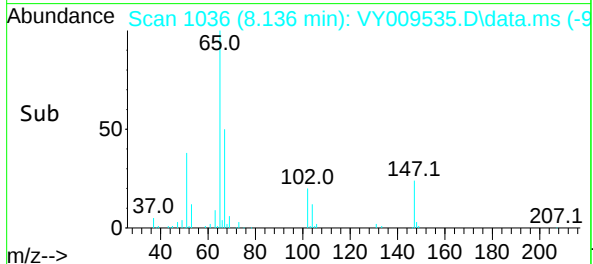
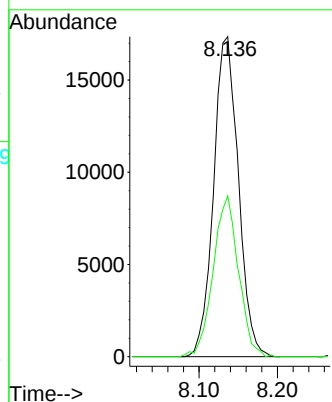
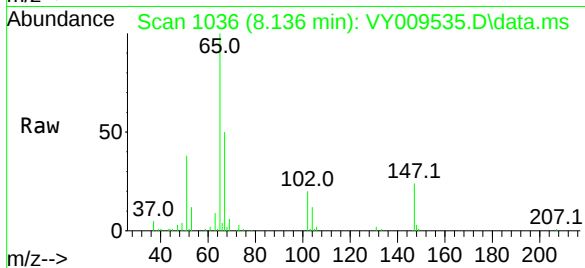
20220507-COMPOSITE-B

Tgt Ion: 65 Resp: 38171

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: VY009535.D

Acq: 12 Jul 2022 16:20

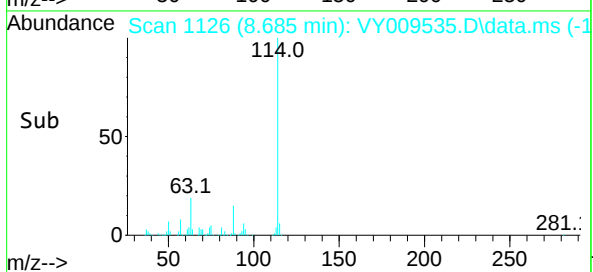
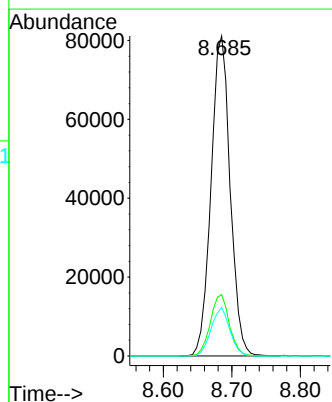
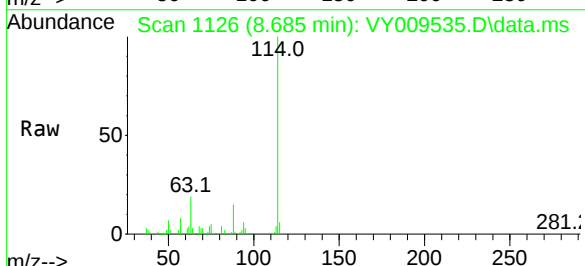
Tgt Ion: 114 Resp: 157219

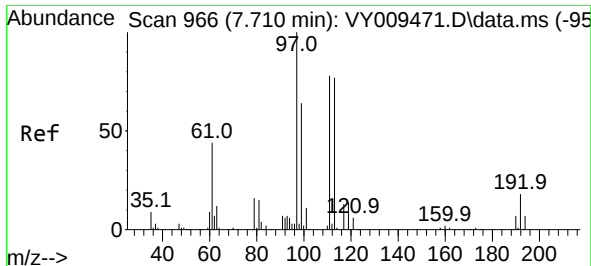
Ion Ratio Lower Upper

114 100

63 19.2 0.0 43.2

88 15.2 0.0 31.8

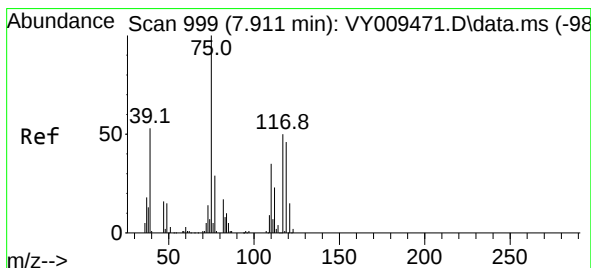
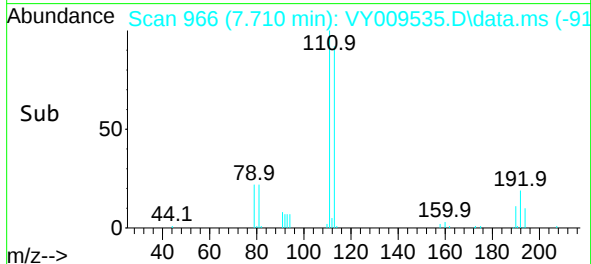
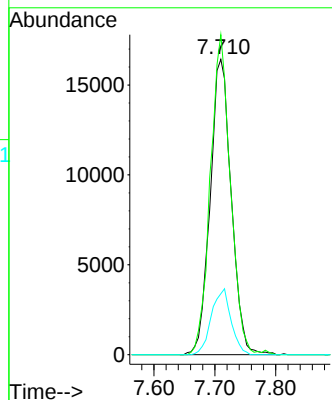
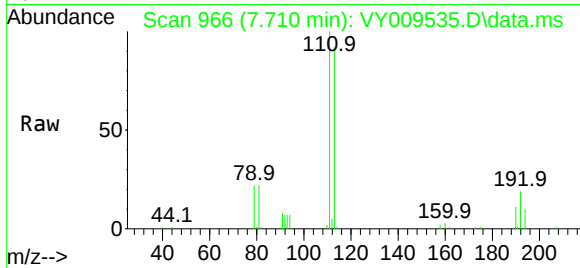




#35
Dibromofluoromethane
Concen: 47.854 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY009535.D
Acq: 12 Jul 2022 16:20

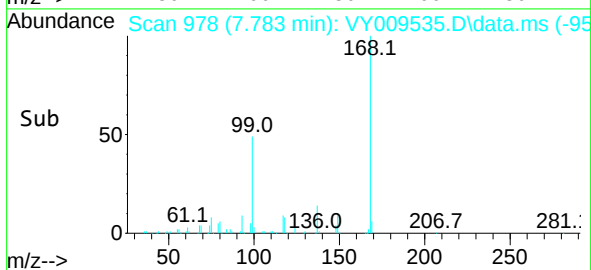
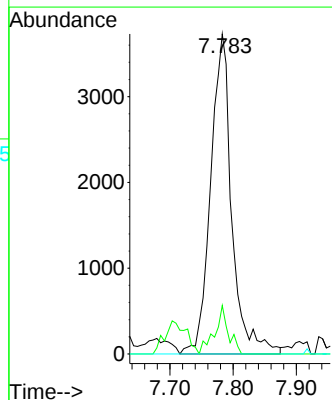
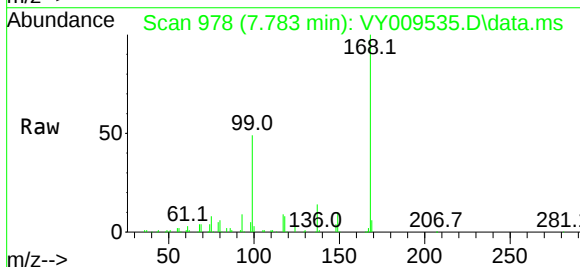
Instrument :
MSVOA_Y
ClientSampleId :
20220507-COMPOSITE-B

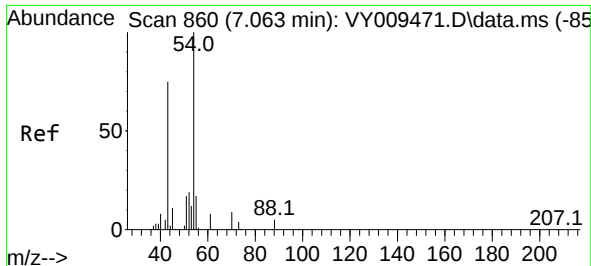
Tgt Ion:113 Resp: 39587
Ion Ratio Lower Upper
113 100
111 103.1 82.6 124.0
192 20.8 17.6 26.4



#36
1,1-Dichloropropene
Concen: 6.412 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY009535.D
Acq: 12 Jul 2022 16:20

Tgt Ion: 75 Resp: 8635
Ion Ratio Lower Upper
75 100
110 9.9 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 8.788 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.085 min

Lab File: VY009535.D

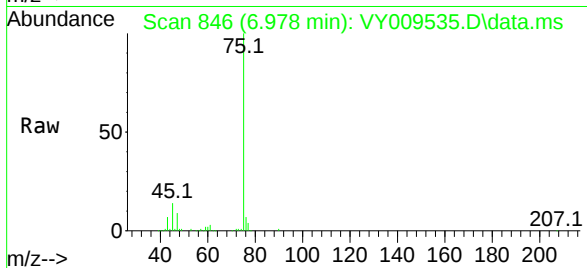
Acq: 12 Jul 2022 16:20

Instrument :

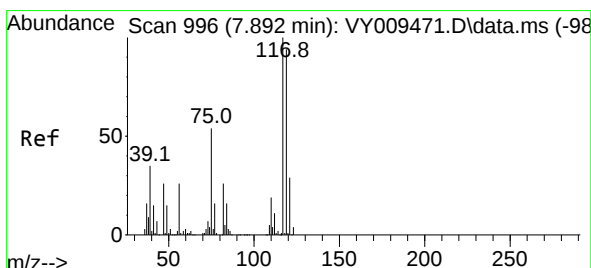
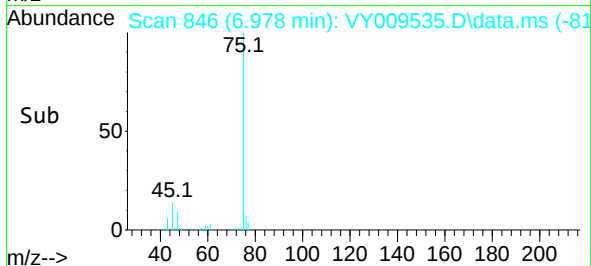
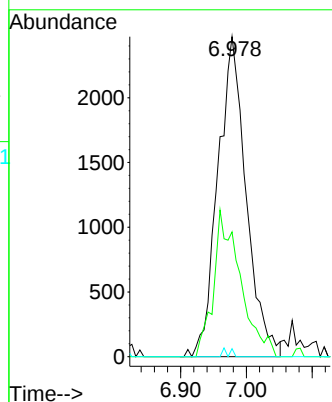
MSVOA_Y

ClientSampleId :

20220507-COMPOSITE-B



Tgt Ion:	43	Resp:	7419
Ion	Ratio	Lower	Upper
43	100		
61	43.4	9.7	14.5#
70	0.6	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 6.637 ug/l

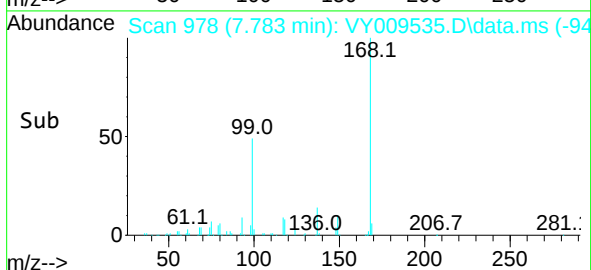
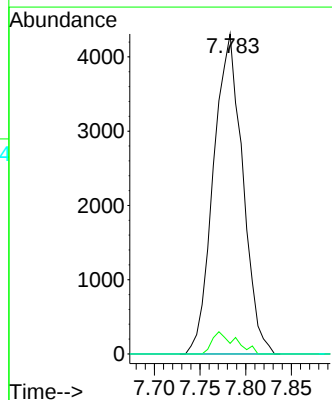
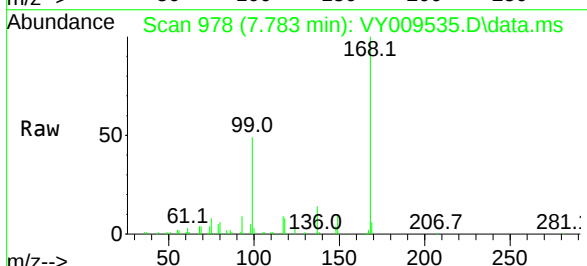
RT: 7.783 min Scan# 978

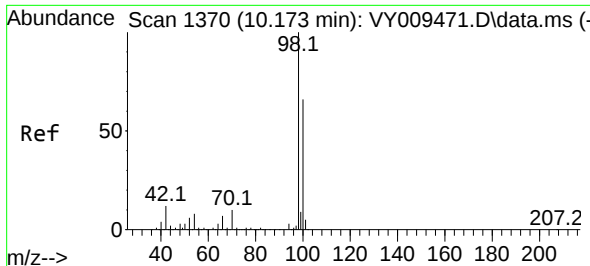
Delta R.T. -0.109 min

Lab File: VY009535.D

Acq: 12 Jul 2022 16:20

Tgt Ion:	117	Resp:	9560
Ion	Ratio	Lower	Upper
117	100		
119	3.3	77.9	116.9#
121	0.0	24.8	37.2#

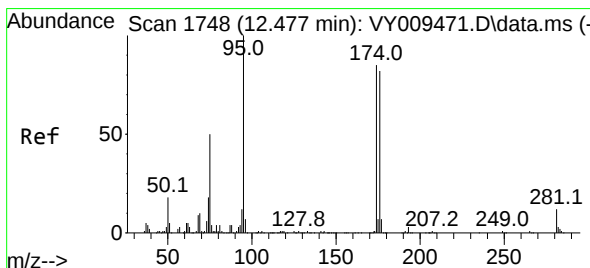
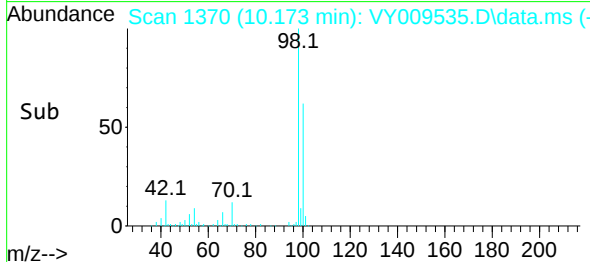
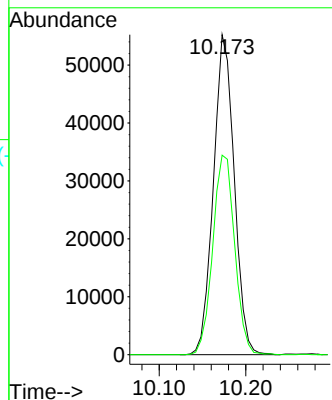
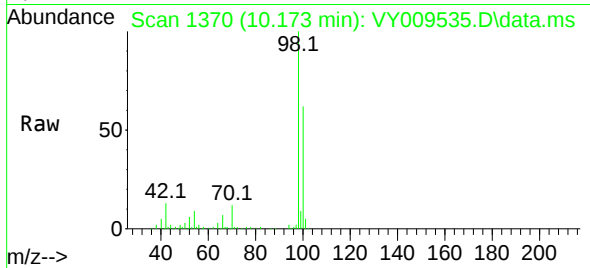




#50
Toluene-d8
Concen: 38.879 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009535.D
Acq: 12 Jul 2022 16:20

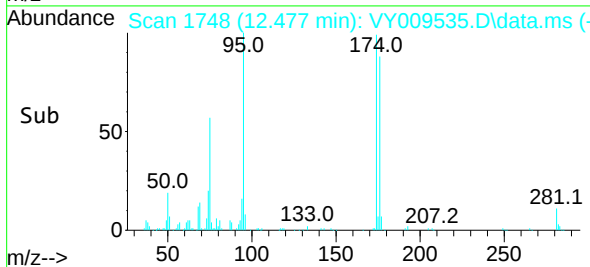
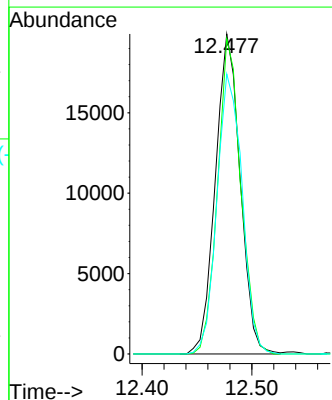
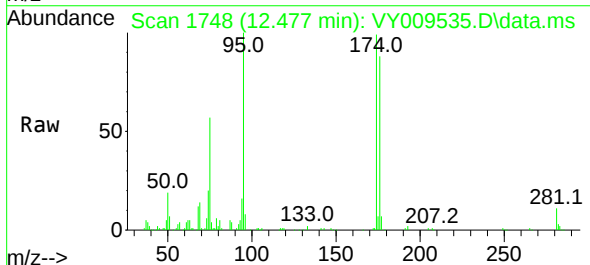
Instrument :
MSVOA_Y
ClientSampleId :
20220507-COMPOSITE-B

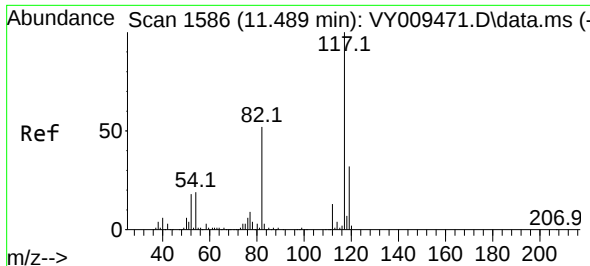
Tgt Ion: 98 Resp: 92278
Ion Ratio Lower Upper
98 100
100 65.7 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 26.768 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009535.D
Acq: 12 Jul 2022 16:20

Tgt Ion: 95 Resp: 31257
Ion Ratio Lower Upper
95 100
174 92.6 0.0 177.0
176 88.7 0.0 175.8

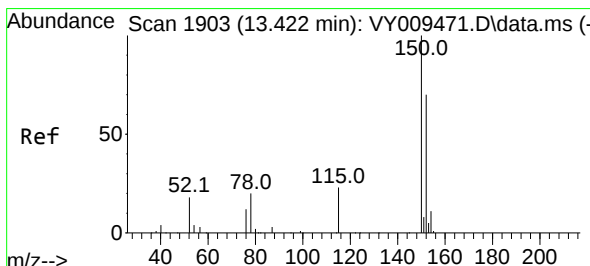
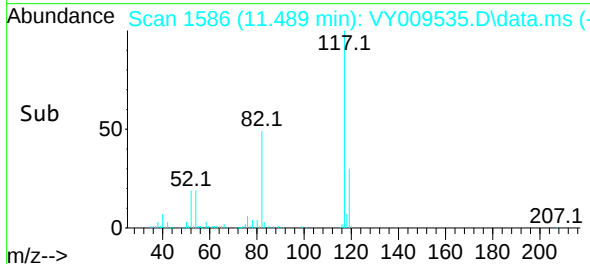
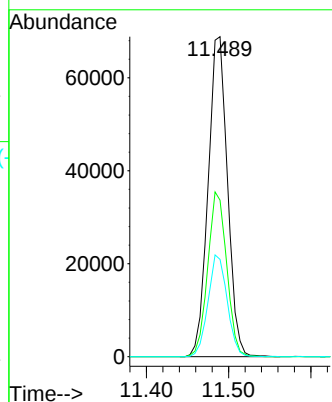
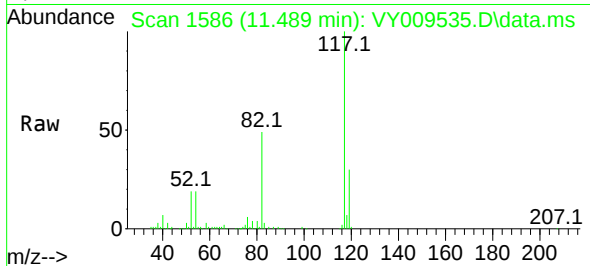




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY009535.D
Acq: 12 Jul 2022 16:20

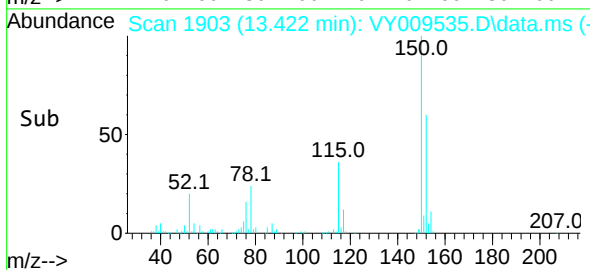
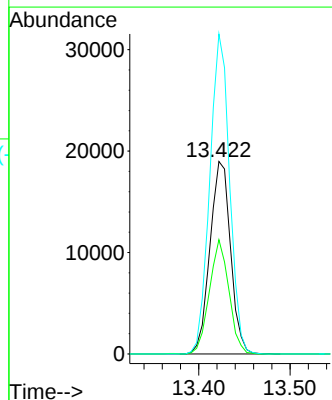
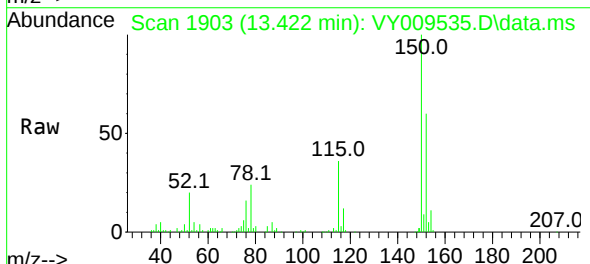
Instrument :
MSVOA_Y
ClientSampleId :
20220507-COMPOSITE-B

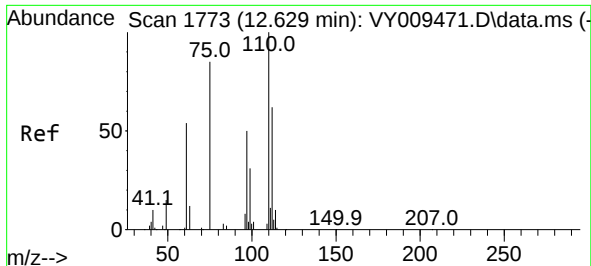
Tgt Ion:117 Resp: 112538
Ion Ratio Lower Upper
117 100
82 48.9 43.0 64.4
119 30.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009535.D
Acq: 12 Jul 2022 16:20

Tgt Ion:152 Resp: 29832
Ion Ratio Lower Upper
152 100
115 56.0 28.2 84.7
150 159.3 0.0 347.6

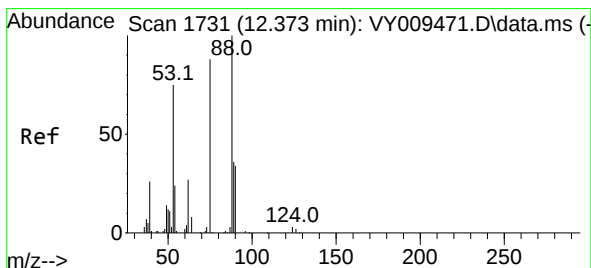
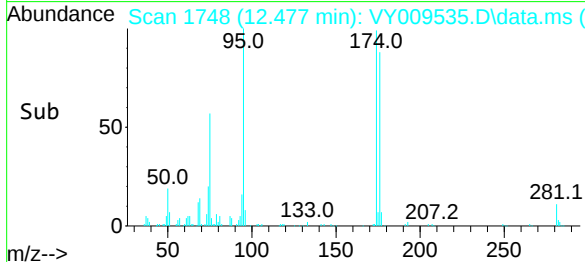
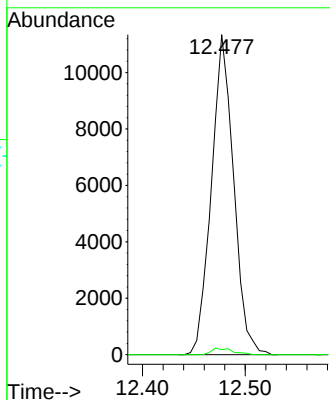
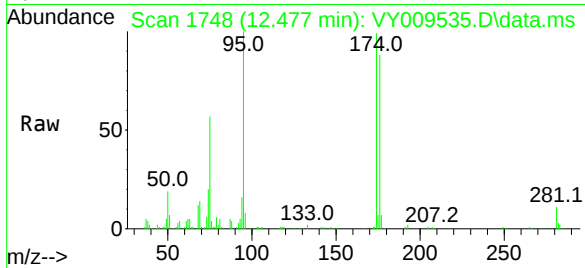




#76
1,2,3-Trichloropropane
Concen: 53.962 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY009535.D
Acq: 12 Jul 2022 16:20

Instrument :
MSVOA_Y
ClientSampleId :
20220507-COMPOSITE-B

Tgt Ion: 75 Resp: 17041
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 110.441 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009535.D
Acq: 12 Jul 2022 16:20

Tgt Ion: 75 Resp: 17041
Ion Ratio Lower Upper
75 100
53 0.4 85.3 127.9#
89 0.0 37.0 55.4#

