

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071222\
 Data File : VY009534.D
 Acq On : 12 Jul 2022 15:57
 Operator : KP/MD
 Sample : N3597-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220506-COMPOSITE-A

Quant Time: Jul 13 01:15:42 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)

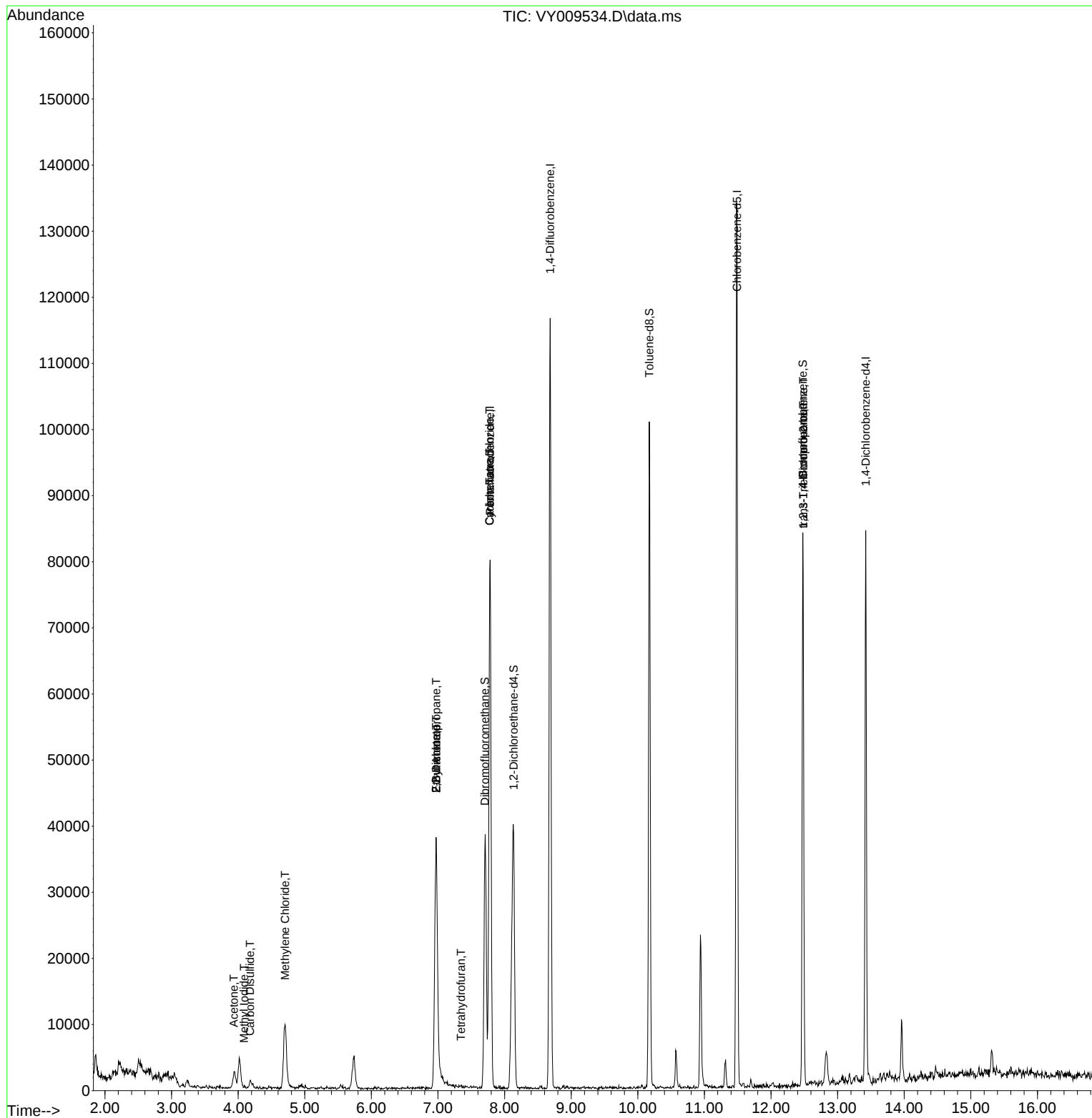
Internal Standards						
1) Pentafluorobenzene	7.783	168	64074	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	99613	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	72581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	20456	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	26350	59.628	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.260%	
35) Dibromofluoromethane	7.704	113	27049	51.607	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.220%	
50) Toluene-d8	10.173	98	63028	42.668	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 85.340%	
62) 4-Bromofluorobenzene	12.477	95	22322	30.171	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 60.340%	
Target Compounds						
						Qvalue
10) Methyl Iodide	4.088	142	254	4.469	ug/l #	35
11) Tert butyl alcohol	4.936	59	422	Below Cal	#	77
16) Acetone	3.936	43	4585	29.416	ug/l #	80
17) Carbon Disulfide	4.180	76	1204	5.052	ug/l #	75
20) Methylene Chloride	4.704	84	7169	5.508	ug/l #	82
25) 2-Butanone	6.972	43	3666	14.539	ug/l #	89
26) 2,2-Dichloropropane	6.972	77	2760	2.590	ug/l #	55
29) Tetrahydrofuran	7.344	42	233	1.429	ug/l #	60
31) Cyclohexane	7.777	56	1658	1.577	ug/l #	41
37) Ethyl Acetate	6.972	43	3666	6.854	ug/l #	31
38) Carbon Tetrachloride	7.777	117	5932	6.500	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	12308	56.839	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	12308	116.328	ug/l #	7

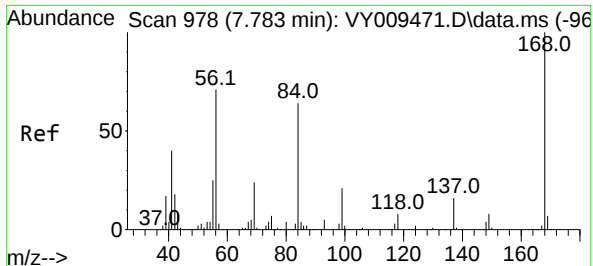
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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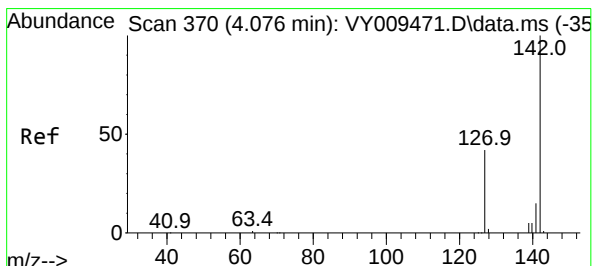
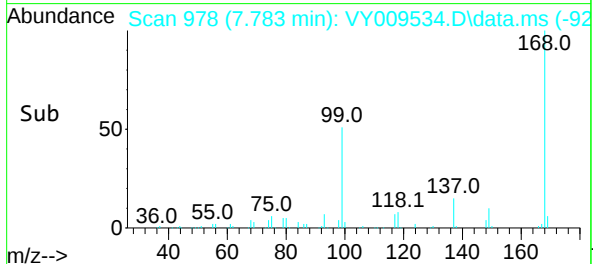
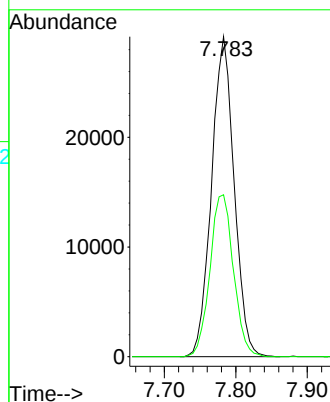
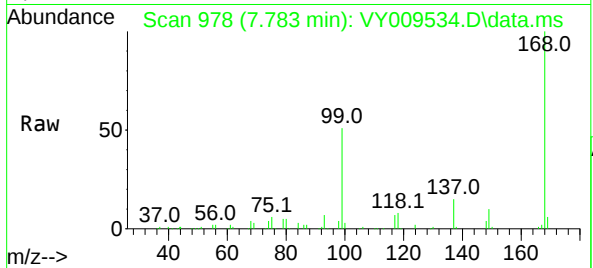




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009534.D
Acq: 12 Jul 2022 15:57

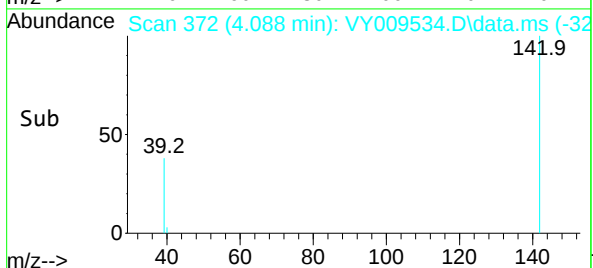
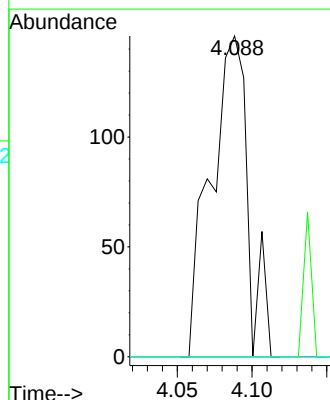
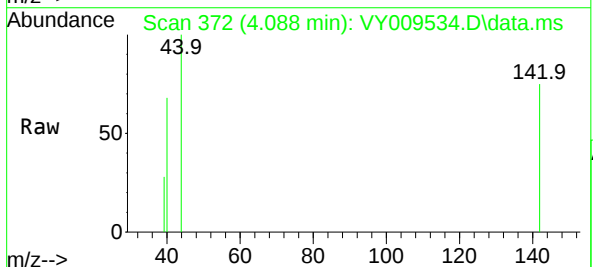
Instrument :
MSVOA_Y
ClientSampleId :
20220506-COMPOSITE-A

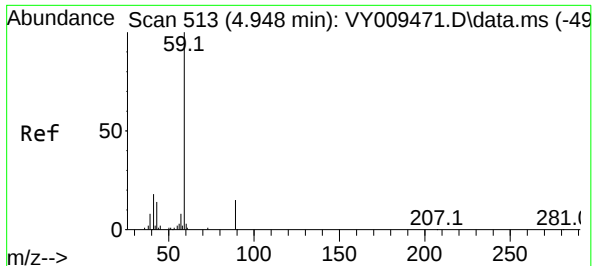
Tgt Ion:168 Resp: 64074
Ion Ratio Lower Upper
168 100
99 50.6 46.9 70.3



#10
Methyl Iodide
Concen: 4.469 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.012 min
Lab File: VY009534.D
Acq: 12 Jul 2022 15:57

Tgt Ion:142 Resp: 254
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#

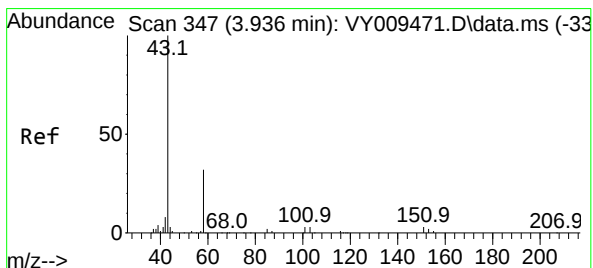
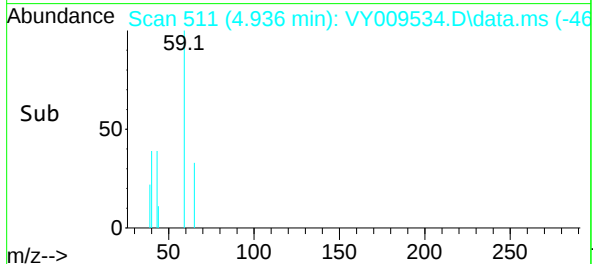
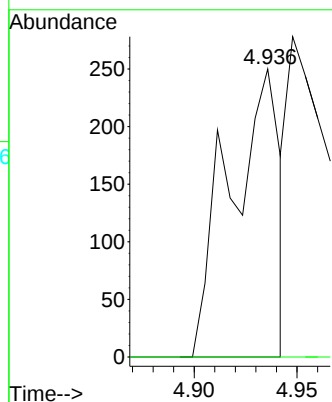
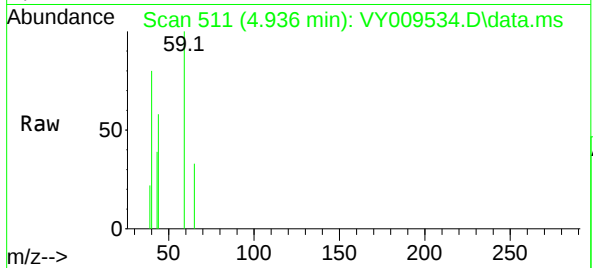




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY009534.D
Acq: 12 Jul 2022 15:57

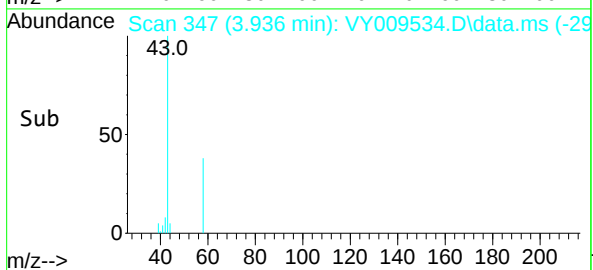
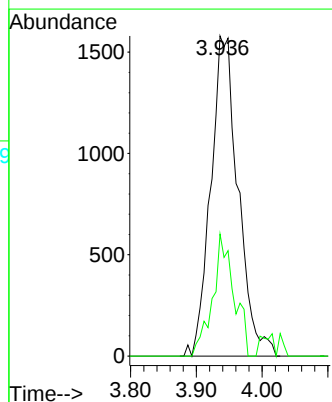
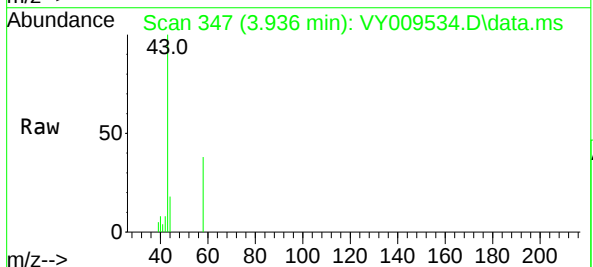
Instrument :
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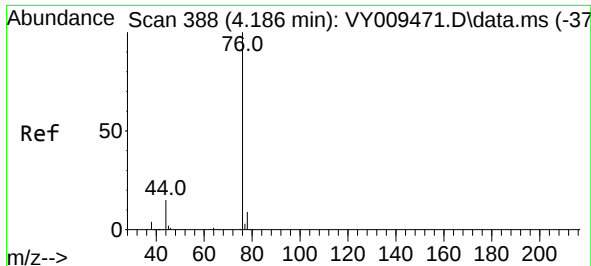
Tgt Ion: 59 Resp: 422
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 29.416 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.000 min
Lab File: VY009534.D
Acq: 12 Jul 2022 15:57

Tgt Ion: 43 Resp: 4585
Ion Ratio Lower Upper
43 100
58 38.1 22.0 33.0#

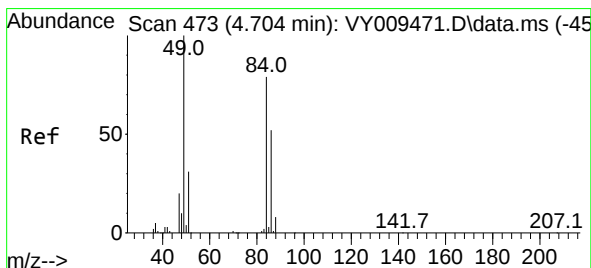
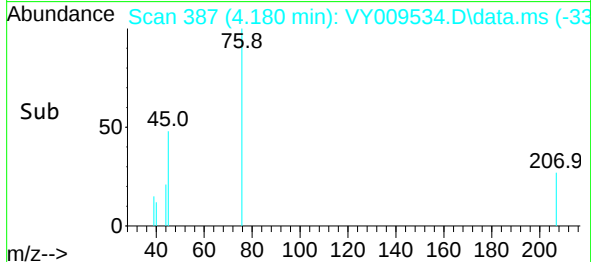
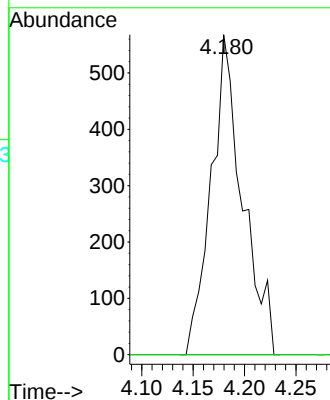
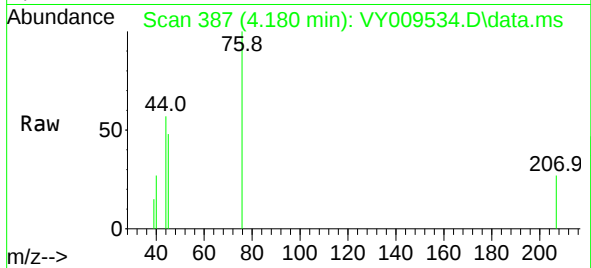




#17
Carbon Disulfide
Concen: 5.052 ug/l
RT: 4.180 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY009534.D
Acq: 12 Jul 2022 15:57

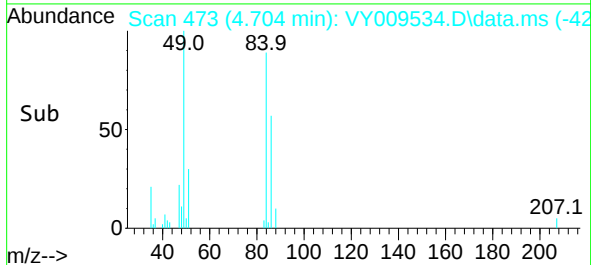
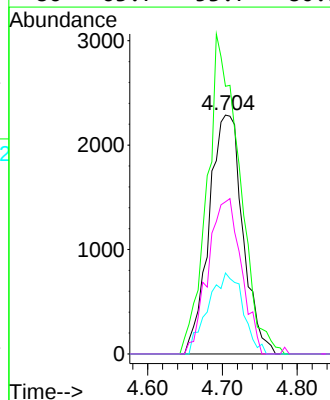
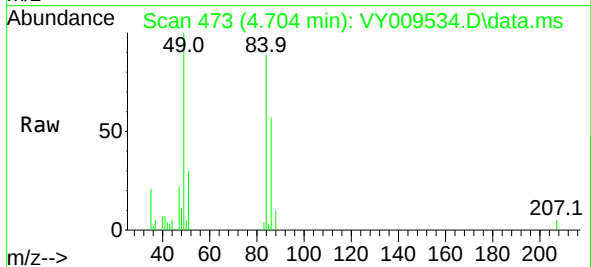
Instrument :
MSVOA_Y
ClientSampleId :
20220506-COMPOSITE-A

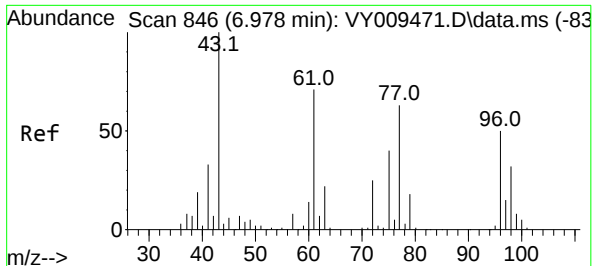
Tgt Ion: 76 Resp: 1204
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#20
Methylene Chloride
Concen: 5.508 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY009534.D
Acq: 12 Jul 2022 15:57

Tgt Ion: 84 Resp: 7169
Ion Ratio Lower Upper
84 100
49 112.1 114.4 171.6#
51 33.9 35.3 52.9#
86 63.7 53.7 80.5

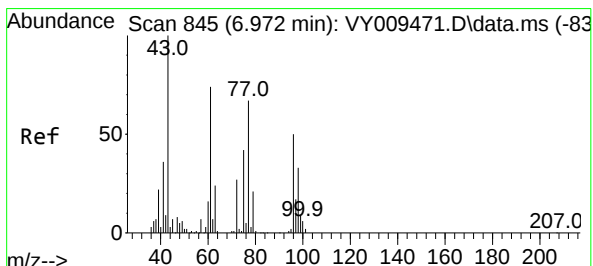
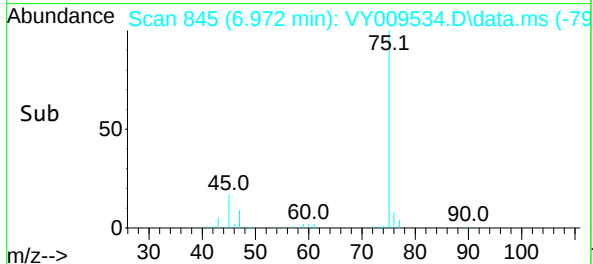
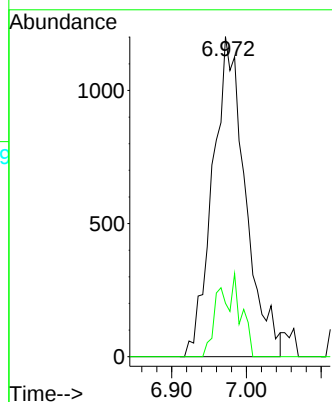
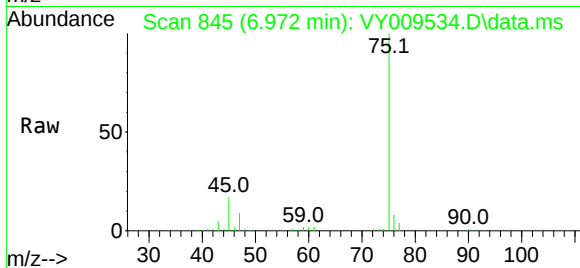




#25
2-Butanone
Concen: 14.539 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY009534.D
Acq: 12 Jul 2022 15:57

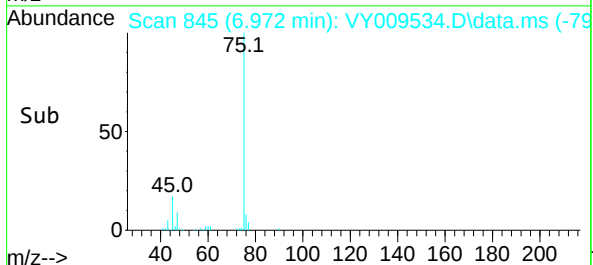
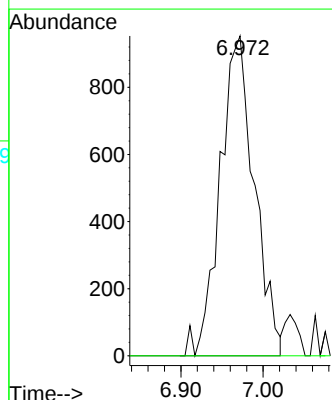
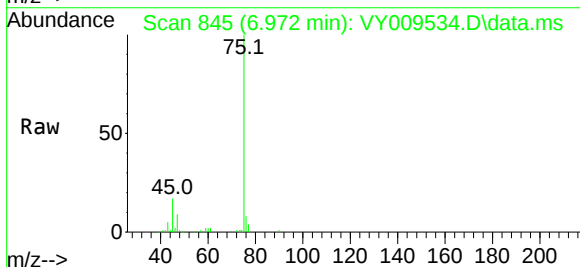
Instrument :
MSVOA_Y
ClientSampleId :
20220506-COMPOSITE-A

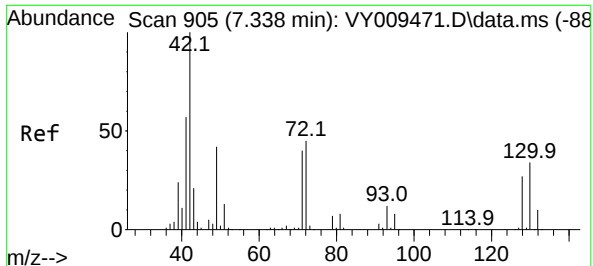
Tgt Ion: 43 Resp: 3666
Ion Ratio Lower Upper
43 100
72 16.7 17.7 26.5#



#26
2,2-Dichloropropane
Concen: 2.590 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.000 min
Lab File: VY009534.D
Acq: 12 Jul 2022 15:57

Tgt Ion: 77 Resp: 2760
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#





#29

Tetrahydrofuran

Concen: 1.429 ug/l

RT: 7.344 min Scan# 905

Delta R.T. 0.006 min

Lab File: VY009534.D

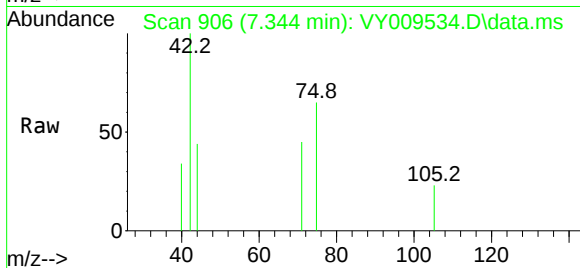
Acq: 12 Jul 2022 15:57

Instrument :

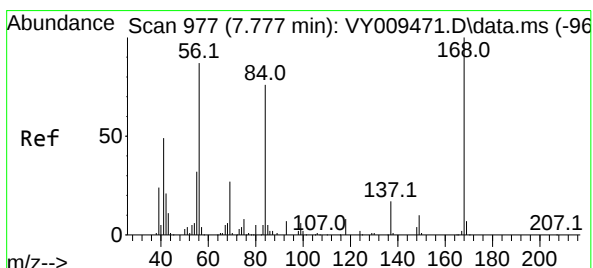
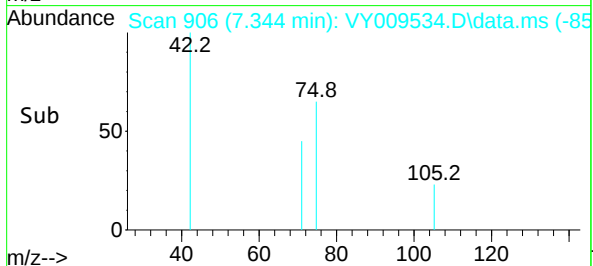
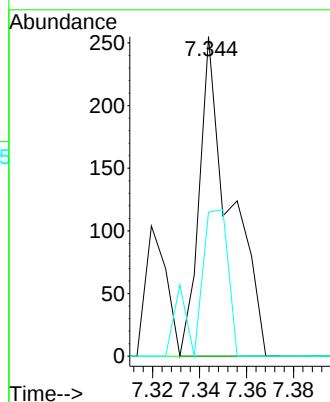
MSVOA_Y

ClientSampleId :

20220506-COMPOSITE-A



Tgt Ion:	42	Resp:	233
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.3	45.5#
71	45.5	29.0	43.4#



#31

Cyclohexane

Concen: 1.577 ug/l

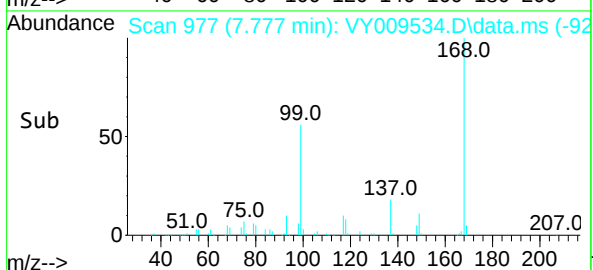
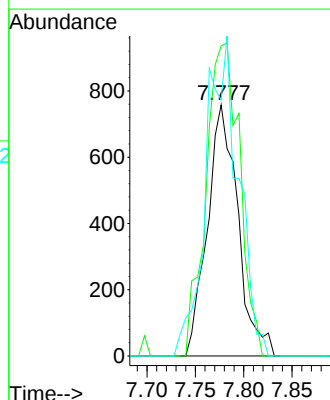
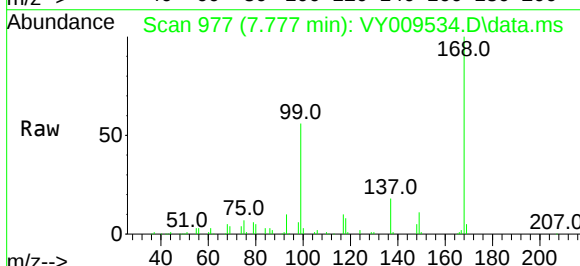
RT: 7.777 min Scan# 977

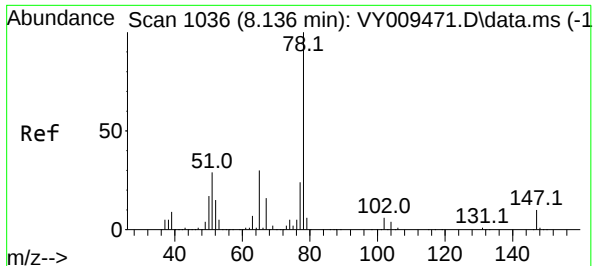
Delta R.T. -0.000 min

Lab File: VY009534.D

Acq: 12 Jul 2022 15:57

Tgt Ion:	56	Resp:	1658
Ion	Ratio	Lower	Upper
56	100		
69	123.5	26.7	40.1#
84	102.0	67.2	100.8#





#33

1,2-Dichloroethane-d4

Concen: 59.628 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY009534.D

Acq: 12 Jul 2022 15:57

Instrument :

MSVOA_Y

ClientSampleId :

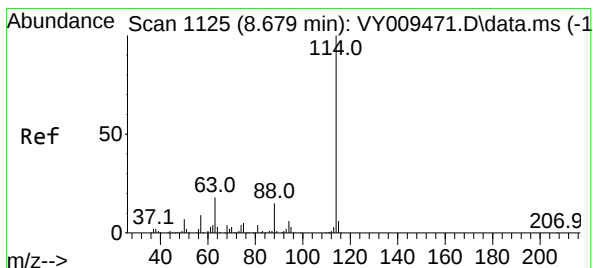
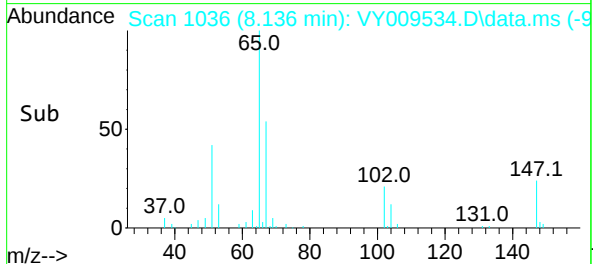
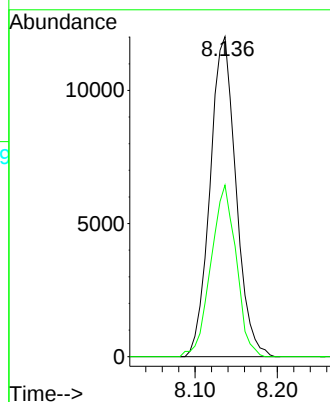
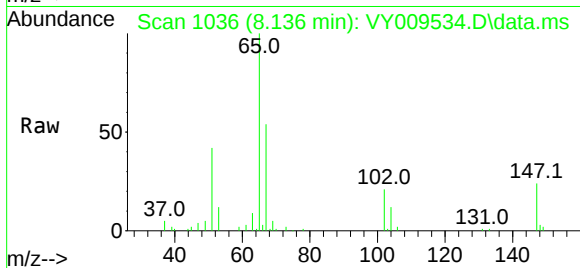
20220506-COMPOSITE-A

Tgt Ion: 65 Resp: 26350

Ion Ratio Lower Upper

65 100

67 52.2 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: VY009534.D

Acq: 12 Jul 2022 15:57

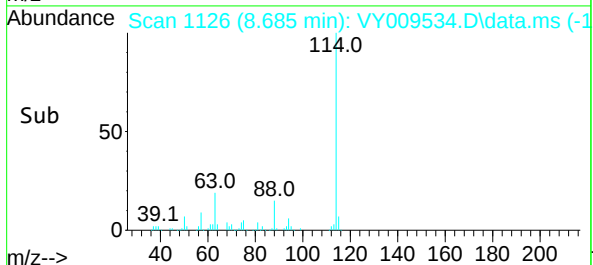
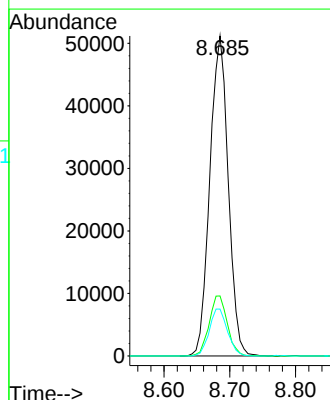
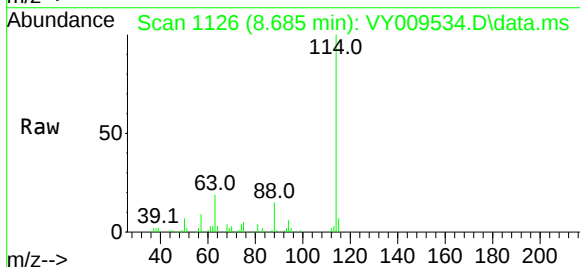
Tgt Ion: 114 Resp: 99613

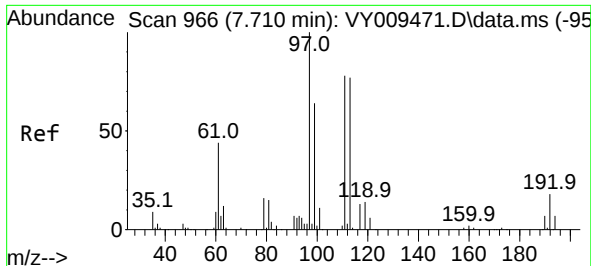
Ion Ratio Lower Upper

114 100

63 18.7 0.0 43.2

88 14.6 0.0 31.8

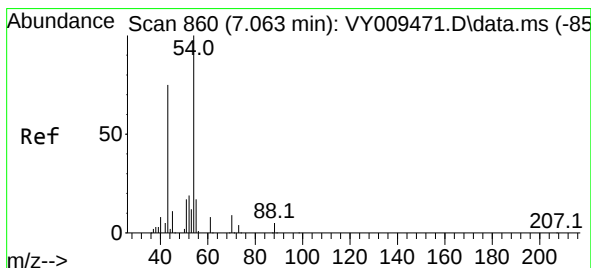
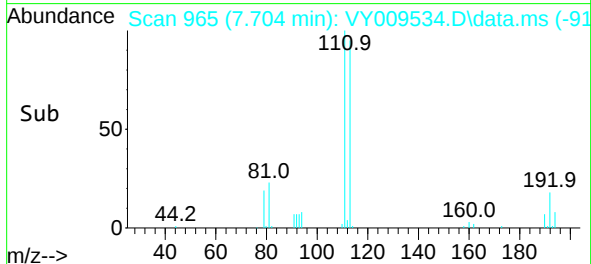
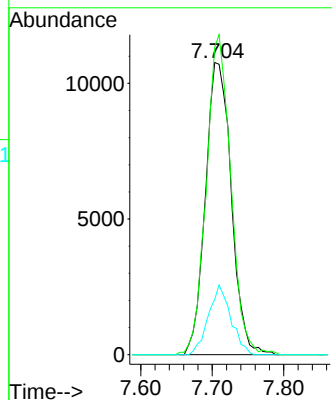
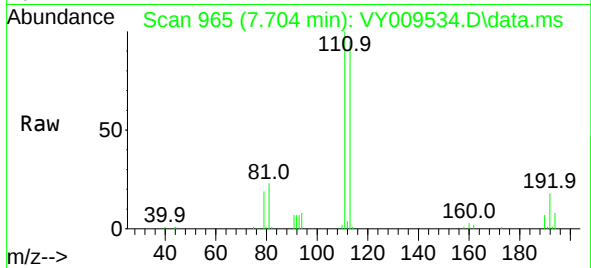




#35
Dibromofluoromethane
Concen: 51.607 ug/l
RT: 7.704 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY009534.D
Acq: 12 Jul 2022 15:57

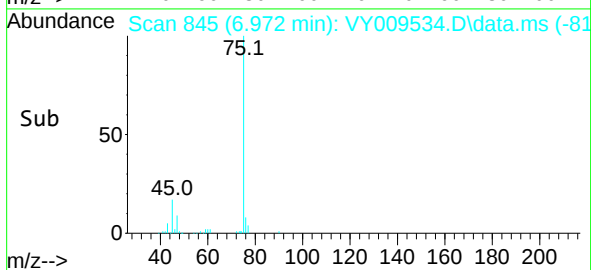
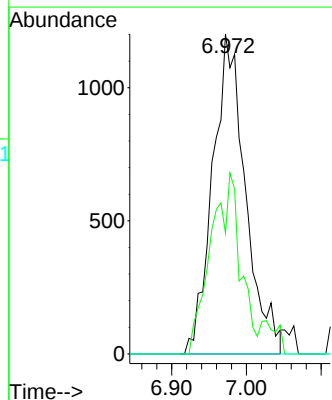
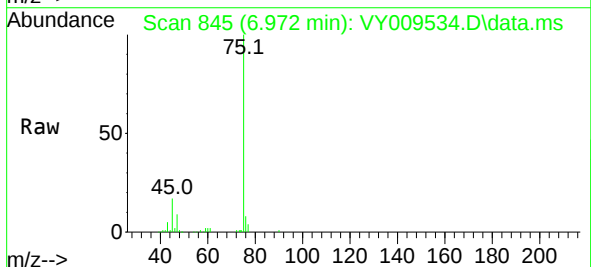
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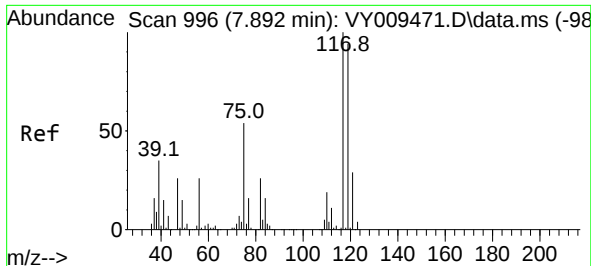
Tgt Ion:113 Resp: 27049
Ion Ratio Lower Upper
113 100
111 103.9 82.6 124.0
192 20.7 17.6 26.4



#37
Ethyl Acetate
Concen: 6.854 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.091 min
Lab File: VY009534.D
Acq: 12 Jul 2022 15:57

Tgt Ion: 43 Resp: 3666
Ion Ratio Lower Upper
43 100
61 51.3 9.7 14.5#
70 0.0 7.1 10.7#

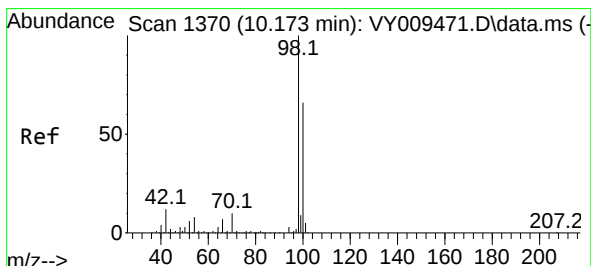
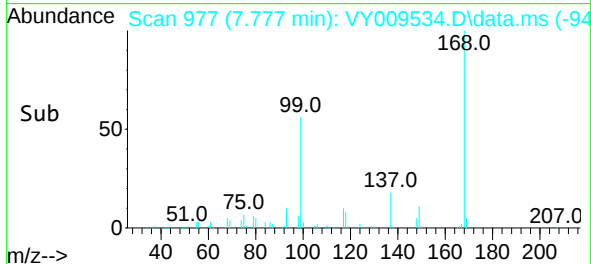
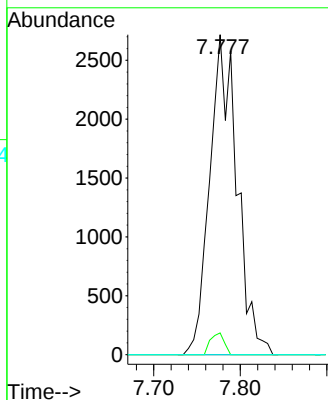
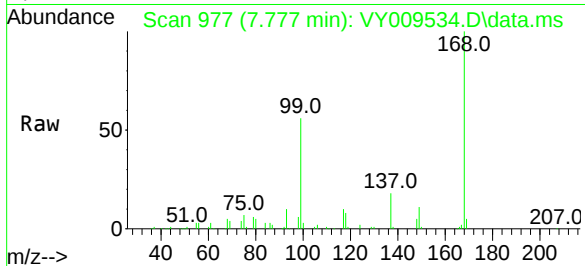




#38
Carbon Tetrachloride
Concen: 6.500 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY009534.D
Acq: 12 Jul 2022 15:57

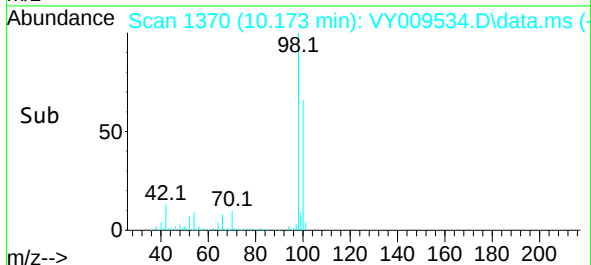
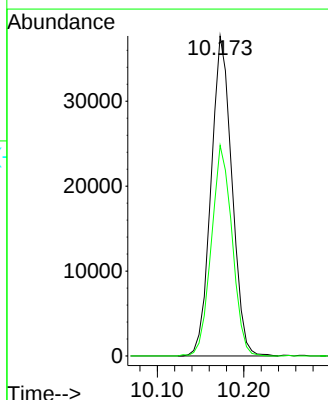
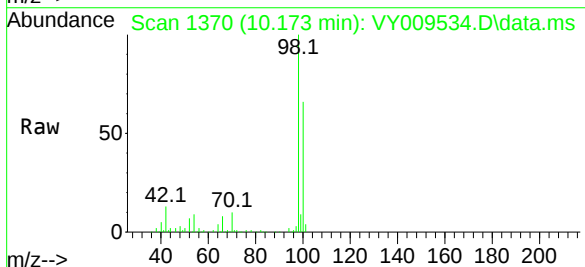
Instrument :
MSVOA_Y
ClientSampleId :
20220506-COMPOSITE-A

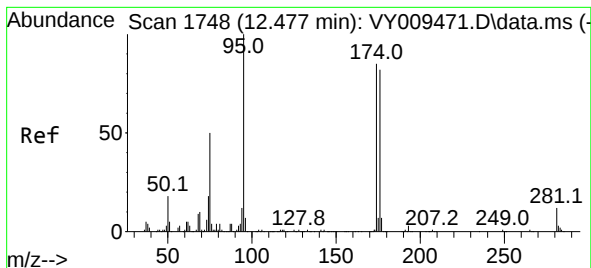
Tgt Ion:117 Resp: 5932
Ion Ratio Lower Upper
117 100
119 6.8 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 42.668 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.000 min
Lab File: VY009534.D
Acq: 12 Jul 2022 15:57

Tgt Ion: 98 Resp: 63028
Ion Ratio Lower Upper
98 100
100 65.5 50.2 75.2

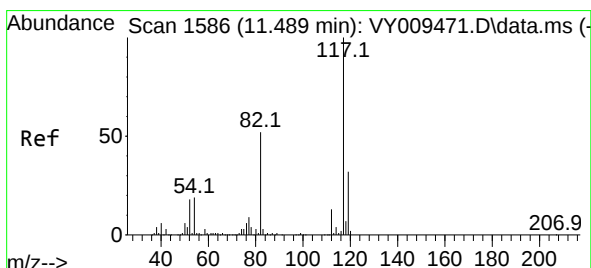
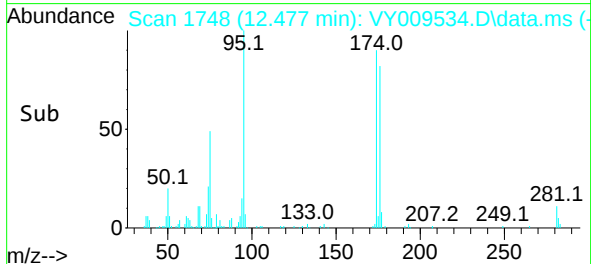
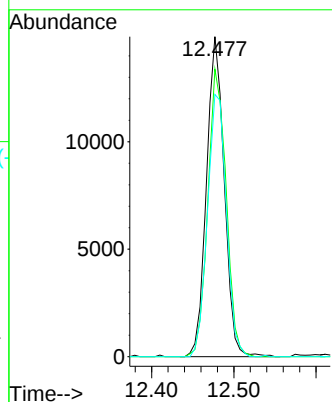
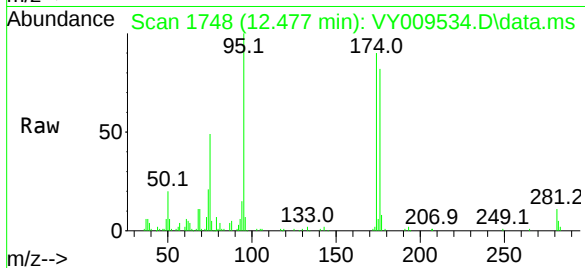




#62
4-Bromofluorobenzene
Concen: 30.171 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009534.D
Acq: 12 Jul 2022 15:57

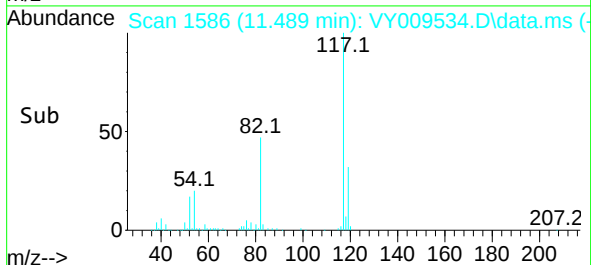
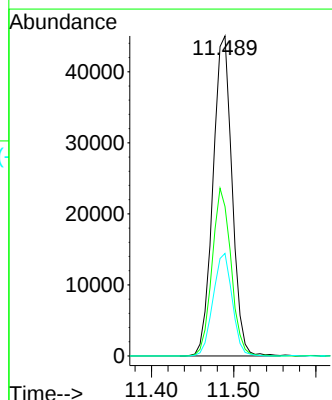
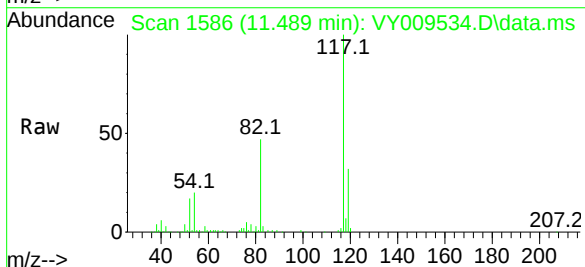
Instrument :
MSVOA_Y
ClientSampleId :
20220506-COMPOSITE-A

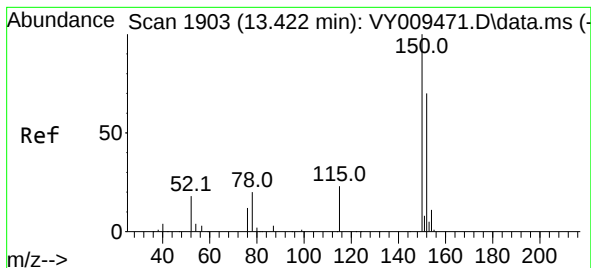
Tgt Ion: 95 Resp: 22322
Ion Ratio Lower Upper
95 100
174 92.5 0.0 177.0
176 87.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY009534.D
Acq: 12 Jul 2022 15:57

Tgt Ion: 117 Resp: 72581
Ion Ratio Lower Upper
117 100
82 46.7 43.0 64.4
119 32.1 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: VY009534.D

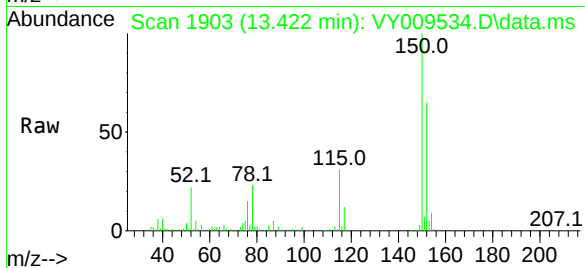
Acq: 12 Jul 2022 15:57

Instrument :

MSVOA_Y

ClientSampleId :

20220506-COMPOSITE-A



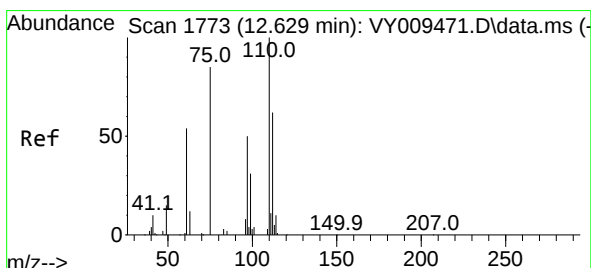
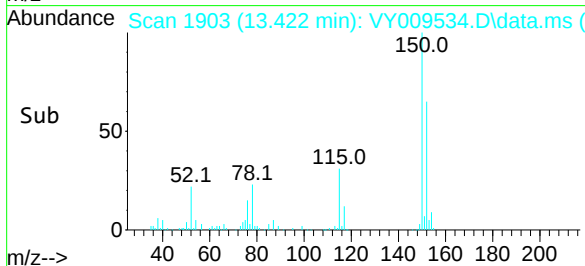
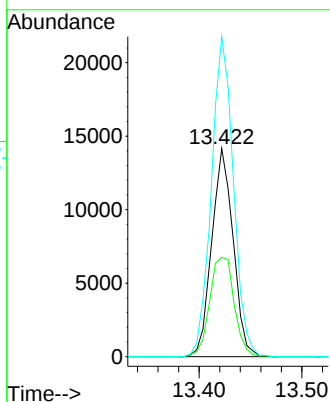
Tgt Ion:152 Resp: 20456

Ion Ratio Lower Upper

152 100

115 54.8 28.2 84.7

150 158.3 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 56.839 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY009534.D

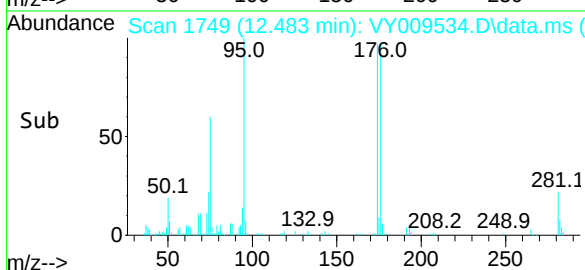
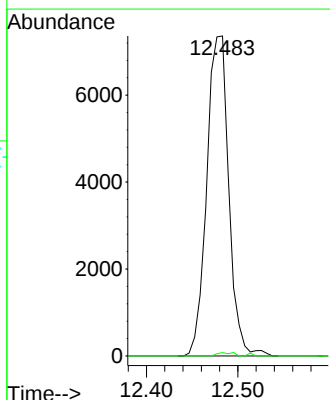
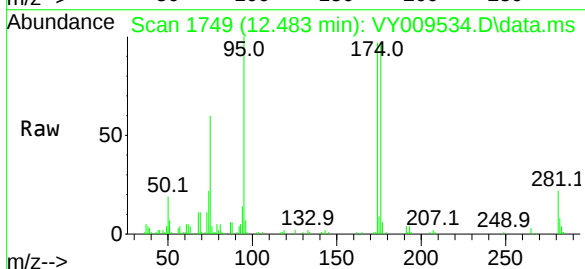
Acq: 12 Jul 2022 15:57

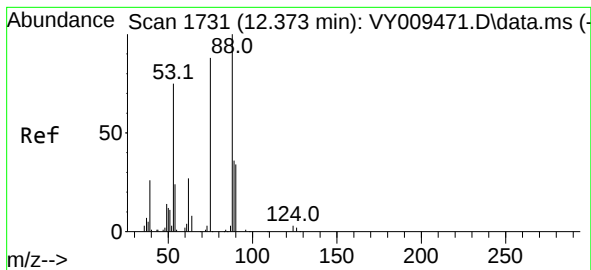
Tgt Ion: 75 Resp: 12308

Ion Ratio Lower Upper

75 100

77 0.8 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 116.328 ug/l

RT: 12.483 min Scan# 11

Delta R.T. 0.110 min

Lab File: VY009534.D

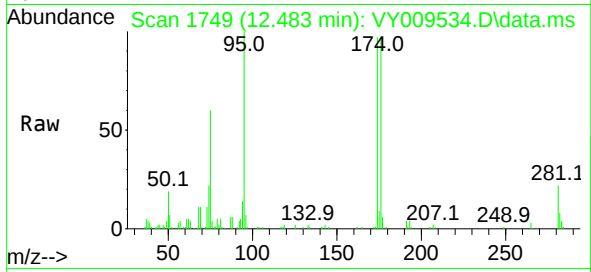
Acq: 12 Jul 2022 15:57

Instrument :

MSVOA_Y

ClientSampleId :

20220506-COMPOSITE-A



Tgt Ion: 75 Resp: 12308

Ion Ratio Lower Upper

75 100

53 0.2 85.3 127.9#

89 0.0 37.0 55.4#

