

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081622\
 Data File : VY010049.D
 Acq On : 16 Aug 2022 17:32
 Operator : KP/MD
 Sample : N4197-03RE
 Misc : 6.11g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TT-203-IDWSO-20220811-2RE

Quant Time: Aug 16 17:56:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081522S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 07:01:08 2022
 Response via : Initial Calibration

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

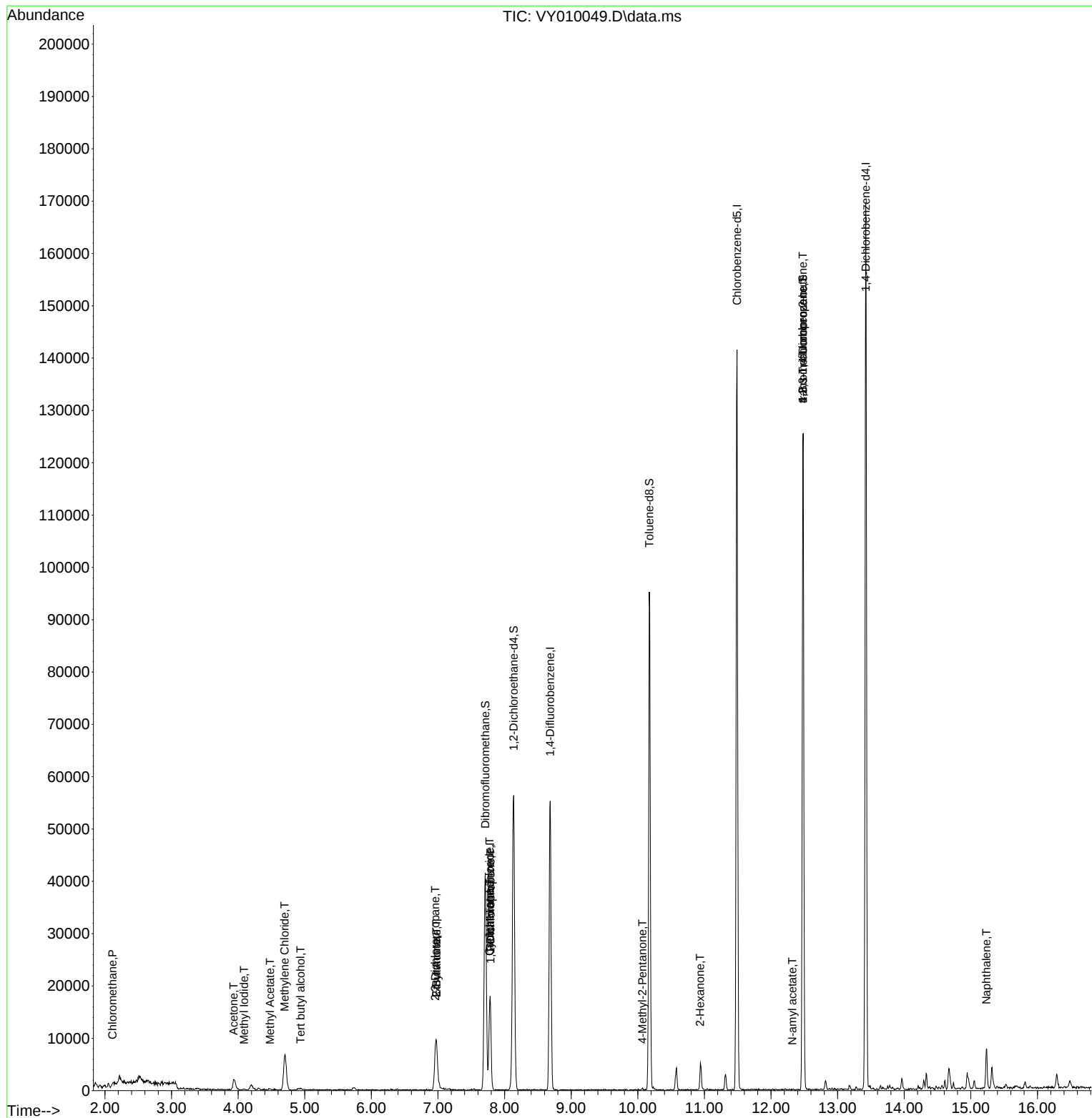
Internal Standards						
1) Pentafluorobenzene	7.783	168	14395	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	48646	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	77477	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	45653	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	44969	312.435	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 624.880%#			
35) Dibromofluoromethane	7.710	113	28389	89.990	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 179.980%#			
50) Toluene-d8	10.173	98	62300	53.378	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.760%			
62) 4-Bromofluorobenzene	12.477	95	34898	85.128	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 170.260%#			
Target Compounds						Qvalue
3) Chloromethane	2.113	50	253	1.442	ug/l #	43
5) Bromomethane	2.650	94	124	Below Cal	#	59
10) Methyl Iodide	4.088	142	196	1.284	ug/l #	38
11) Tert butyl alcohol	4.936	59	84	11.628	ug/l #	74
16) Acetone	3.930	43	4013	130.172	ug/l	95
18) Methyl Acetate	4.479	43	255	6.606	ug/l #	67
20) Methylene Chloride	4.698	84	5151	35.116	ug/l	98
25) 2-Butanone	6.978	43	1175	27.860	ug/l #	74
26) 2,2-Dichloropropane	6.960	77	697	3.061	ug/l #	53
31) Cyclohexane	7.777	56	255	1.254	ug/l #	55
36) 1,1-Dichloropropene	7.789	75	1120	2.549	ug/l #	41
37) Ethyl Acetate	6.978	43	1175	5.309	ug/l #	43
38) Carbon Tetrachloride	7.777	117	1496	2.768	ug/l #	12
51) 4-Methyl-2-Pentanone	10.069	43	289	1.247	ug/l #	53
59) 2-Hexanone	10.935	43	33	24.323	ug/l #	26
74) N-amyl acetate	12.319	43	18	4.703	ug/l #	44
76) 1,2,3-Trichloropropane	12.477	75	17893	41.348	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	17893	93.442	ug/l #	12
95) Naphthalene	15.233	128	6505	7.882	ug/l	98

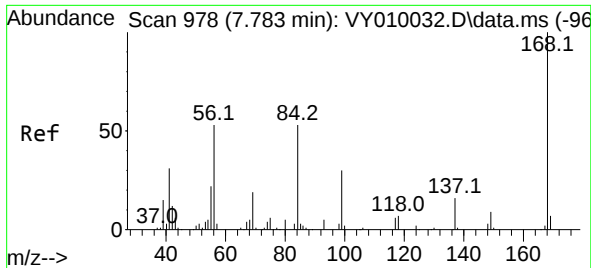
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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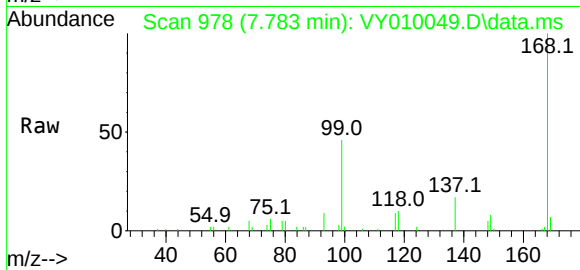
Quant Time: Aug 16 17:56:57 2022
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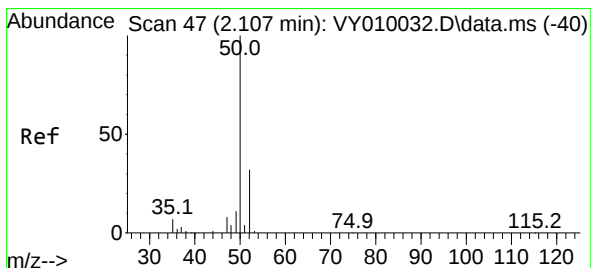
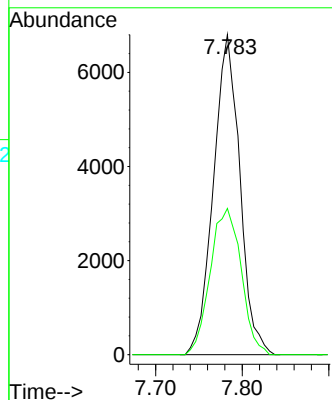
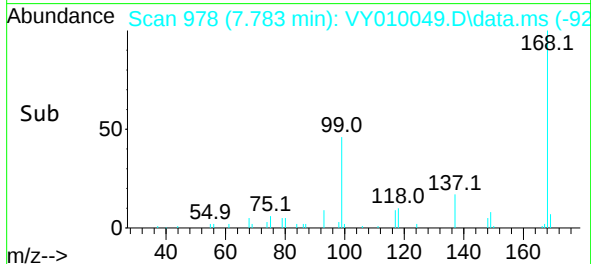


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010049.D
Acq: 16 Aug 2022 17:32

Instrument :
MSVOA_Y
ClientSampleId :
TT-203-IDWSO-20220811-2RE

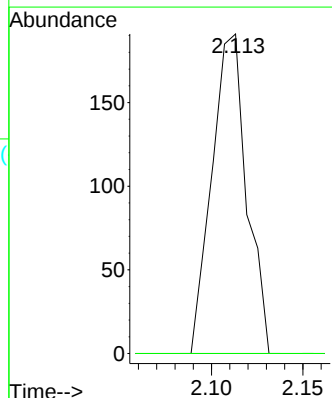
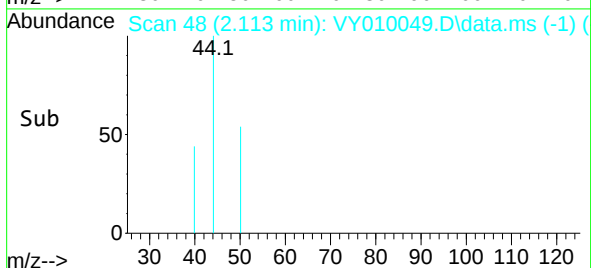
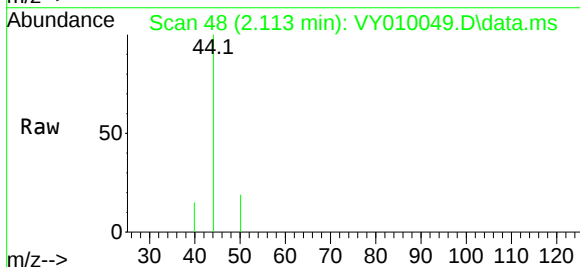


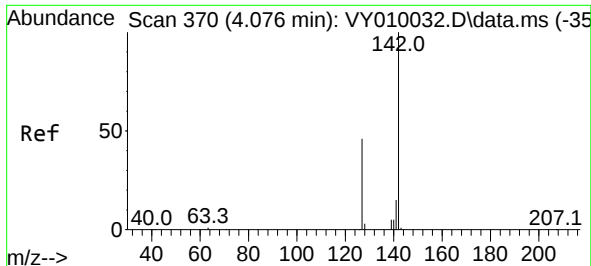
Tgt Ion:168 Resp: 14395
Ion Ratio Lower Upper
168 100
99 45.7 37.7 56.5



#3
Chloromethane
Concen: 1.442 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY010049.D
Acq: 16 Aug 2022 17:32

Tgt Ion: 50 Resp: 253
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

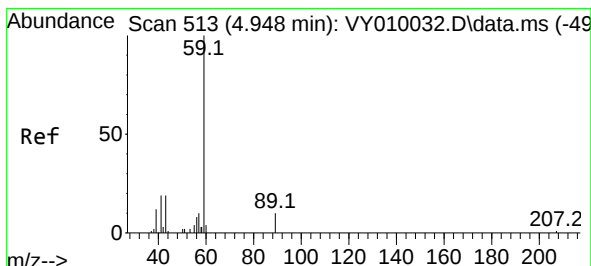
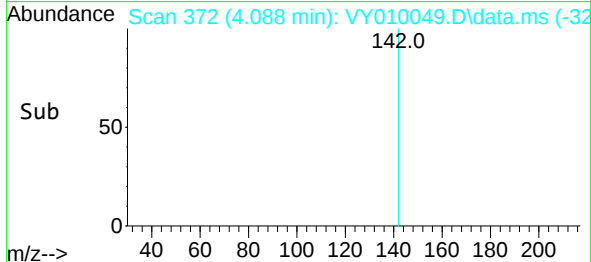
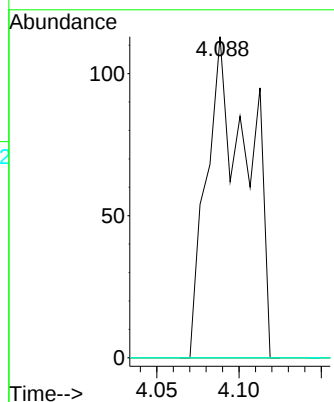
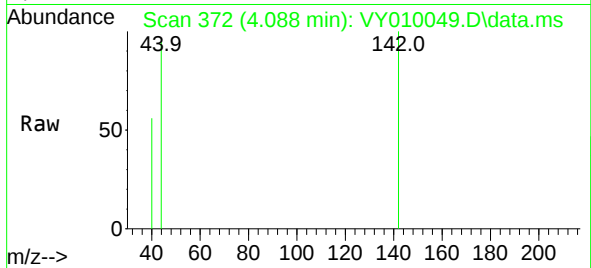




#10
Methyl Iodide
Concen: 1.284 ug/l
RT: 4.088 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY010049.D
Acq: 16 Aug 2022 17:32

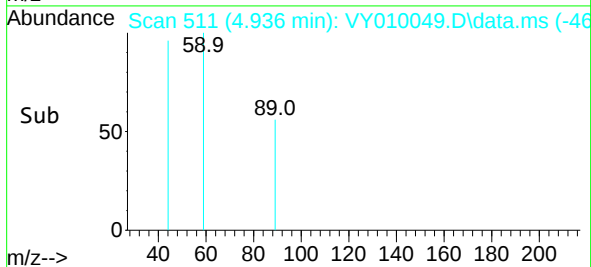
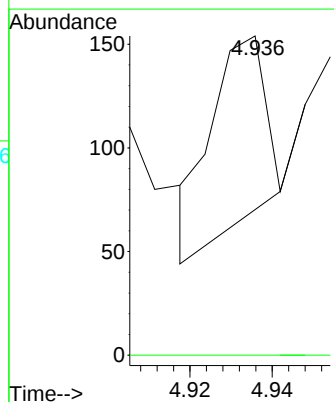
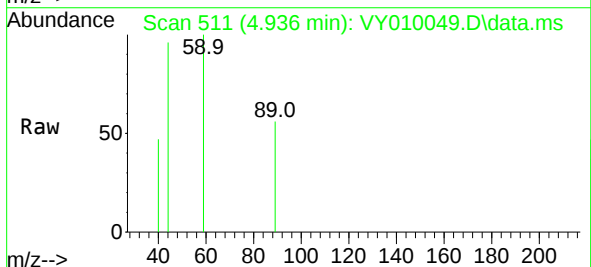
Instrument :
MSVOA_Y
ClientSampleId :
TT-203-IDWSO-20220811-2RE

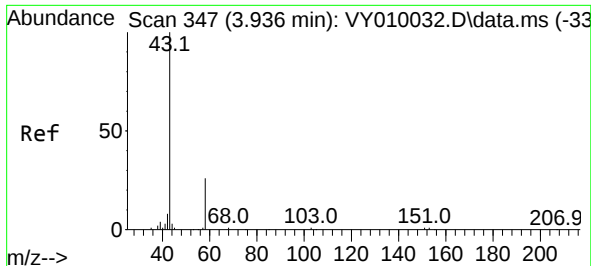
Tgt Ion:142 Resp: 196
Ion Ratio Lower Upper
142 100
127 0.0 37.9 56.9#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 11.628 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY010049.D
Acq: 16 Aug 2022 17:32

Tgt Ion: 59 Resp: 84
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

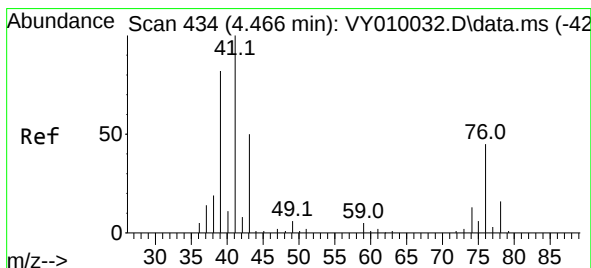
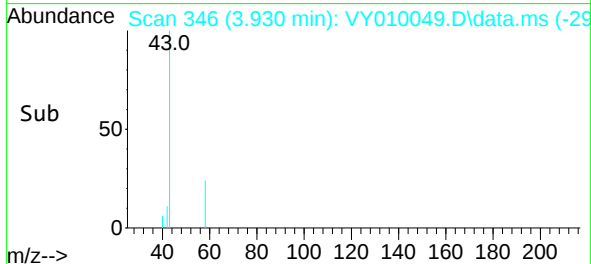
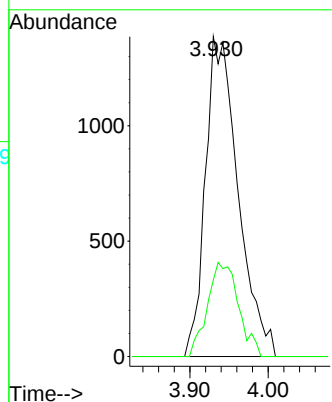
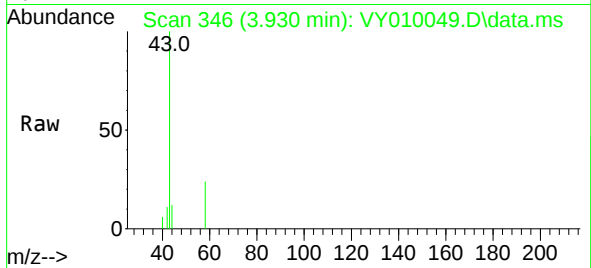




#16
Acetone
Concen: 130.172 ug/l
RT: 3.930 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY010049.D
Acq: 16 Aug 2022 17:32

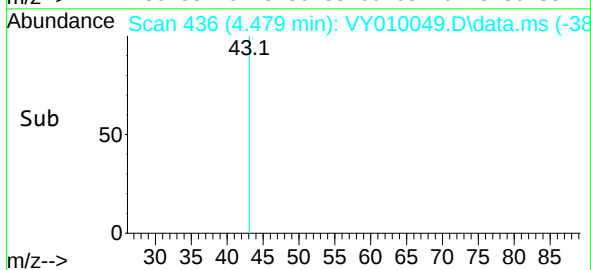
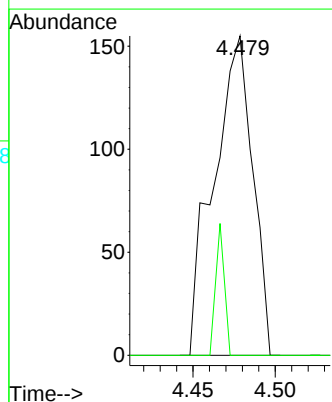
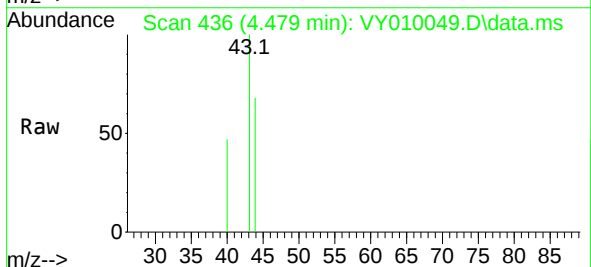
Instrument :
MSVOA_Y
ClientSampleId :
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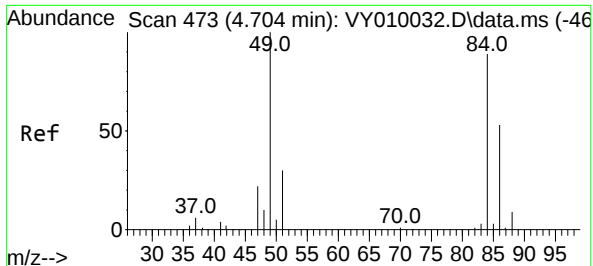
Tgt Ion: 43 Resp: 4013
Ion Ratio Lower Upper
43 100
58 24.0 21.4 32.0



#18
Methyl Acetate
Concen: 6.606 ug/l
RT: 4.479 min Scan# 436
Delta R.T. 0.013 min
Lab File: VY010049.D
Acq: 16 Aug 2022 17:32

Tgt Ion: 43 Resp: 255
Ion Ratio Lower Upper
43 100
74 9.0 20.7 31.1#

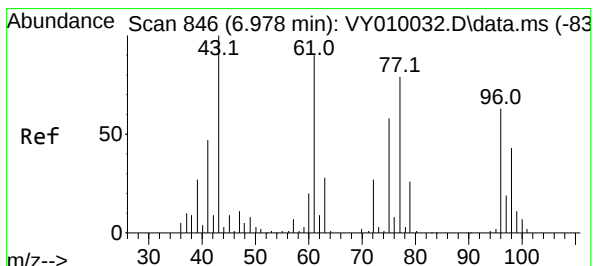
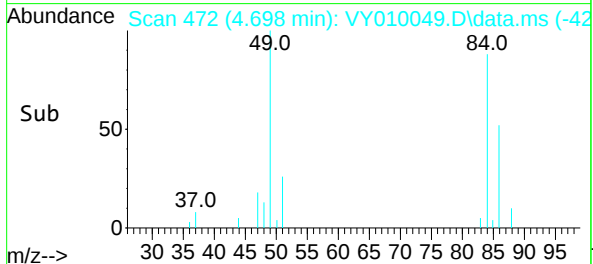
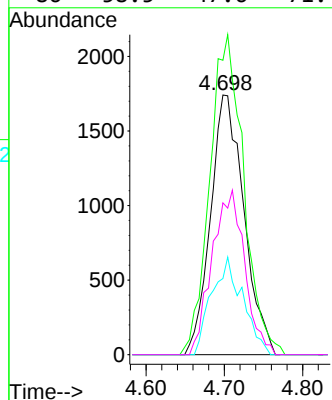
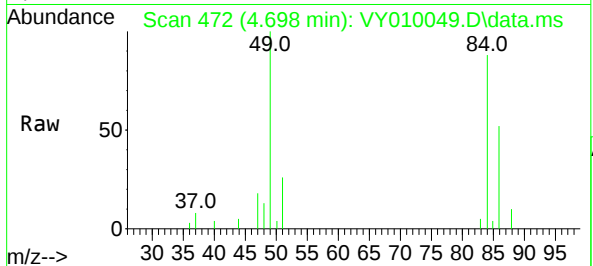




#20
Methylene Chloride
Concen: 35.116 ug/l
RT: 4.698 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY010049.D
Acq: 16 Aug 2022 17:32

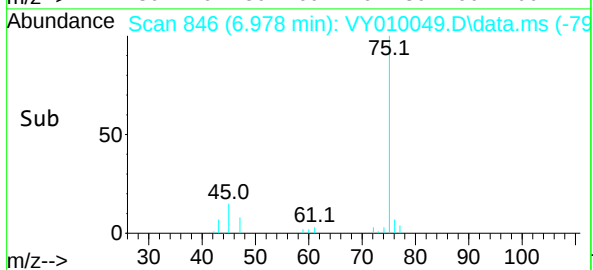
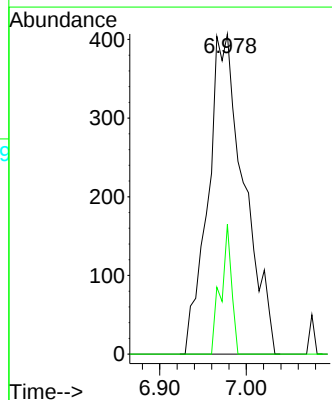
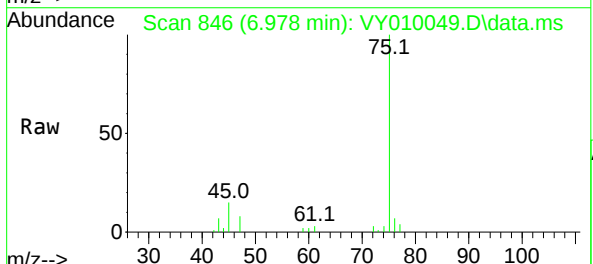
Instrument :
MSVOA_Y
ClientSampleId :
TT-203-IDWSO-20220811-2RE

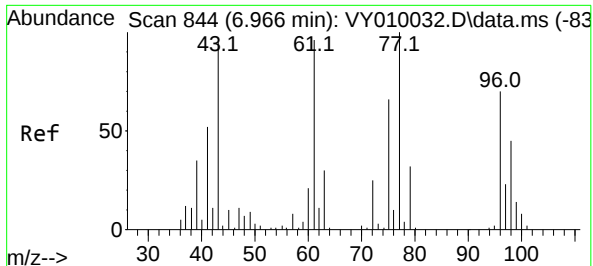
Tgt Ion:	84	Resp:	5151
Ion	Ratio	Lower	Upper
84	100		
49	113.3	89.5	134.3
51	29.3	26.8	40.2
86	58.5	47.6	71.4



#25
2-Butanone
Concen: 27.860 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY010049.D
Acq: 16 Aug 2022 17:32

Tgt Ion:	43	Resp:	1175
Ion	Ratio	Lower	Upper
43	100		
72	40.5	21.7	32.5#





#26

2,2-Dichloropropane

Concen: 3.061 ug/l

RT: 6.960 min Scan# 844

Delta R.T. -0.006 min

Lab File: VY010049.D

Acq: 16 Aug 2022 17:32

Instrument :

MSVOA_Y

ClientSampleId :

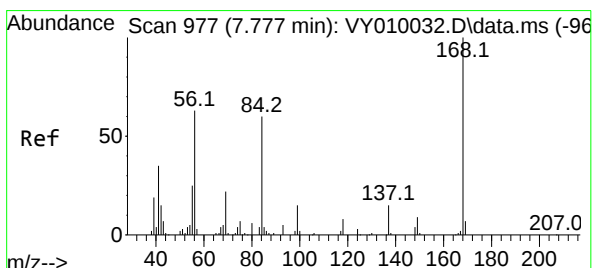
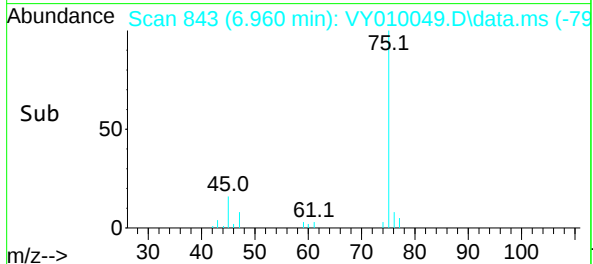
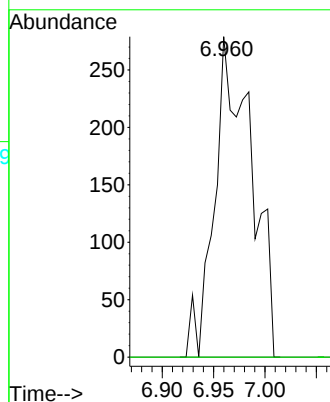
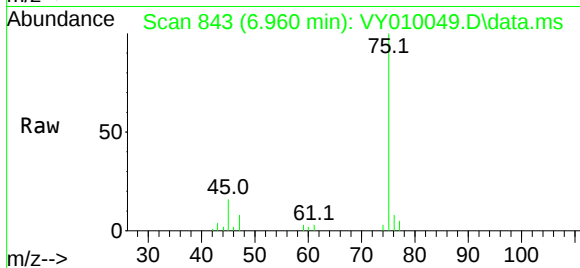
TT-203-IDWSO-20220811-2RE

Tgt Ion: 77 Resp: 697

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.6#



#31

Cyclohexane

Concen: 1.254 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.000 min

Lab File: VY010049.D

Acq: 16 Aug 2022 17:32

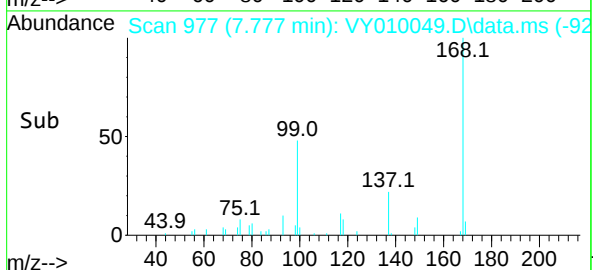
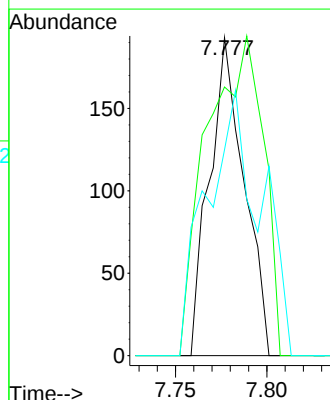
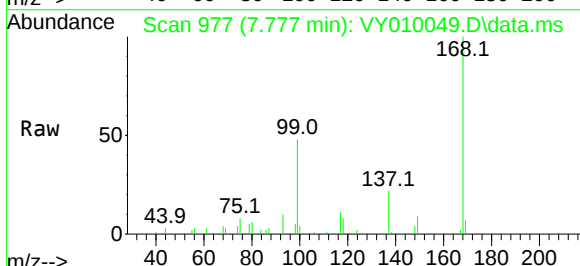
Tgt Ion: 56 Resp: 255

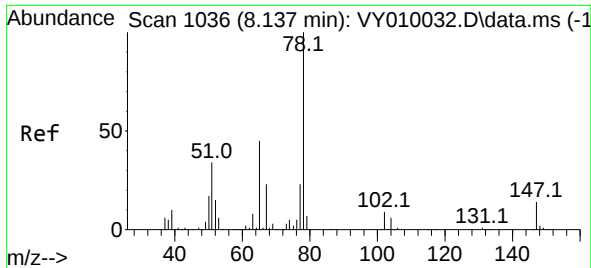
Ion Ratio Lower Upper

56 100

69 84.5 28.6 43.0#

84 64.8 76.0 114.0#

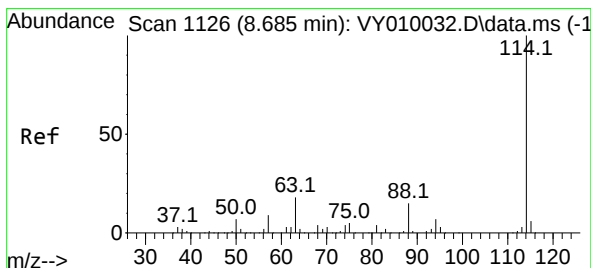
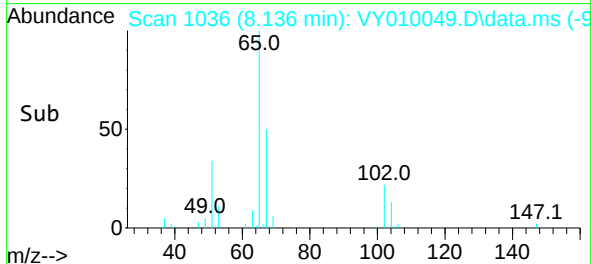
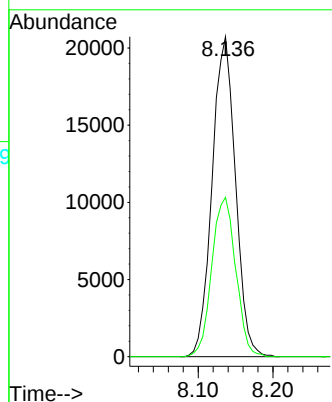
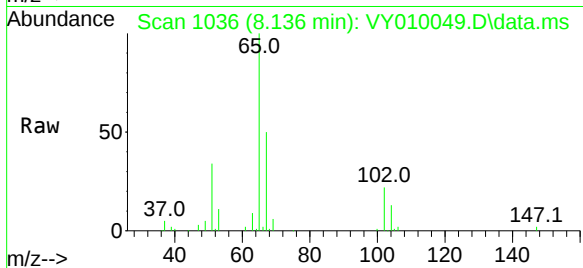




#33
 1,2-Dichloroethane-d4
 Concen: 312.435 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. -0.001 min
 Lab File: VY010049.D
 Acq: 16 Aug 2022 17:32

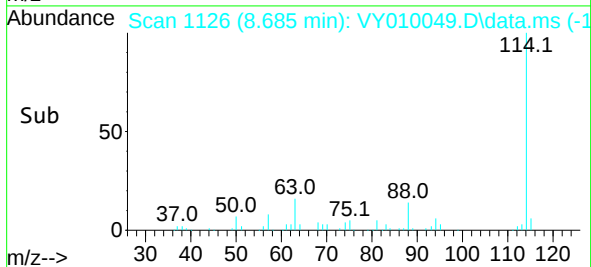
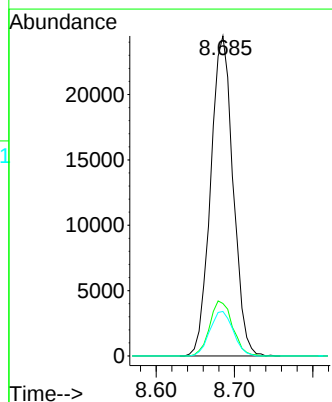
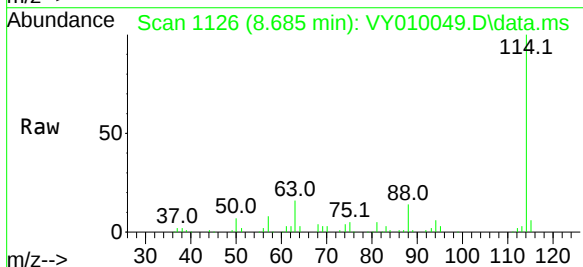
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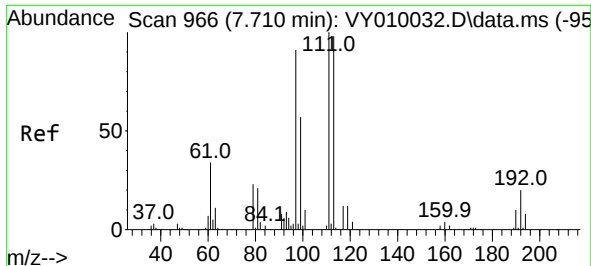
Tgt Ion: 65 Resp: 44969
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY010049.D
 Acq: 16 Aug 2022 17:32

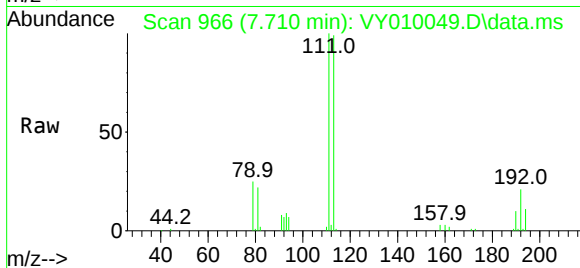
Tgt Ion: 114 Resp: 48646
 Ion Ratio Lower Upper
 114 100
 63 16.4 0.0 35.2
 88 13.9 0.0 30.2



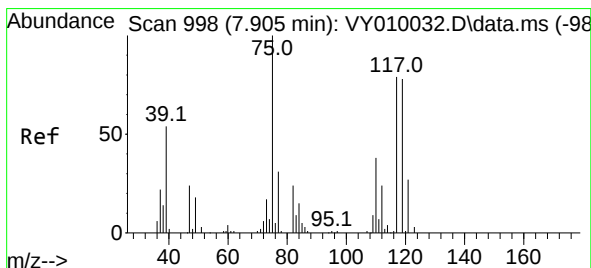
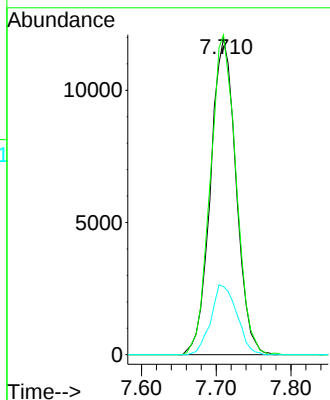
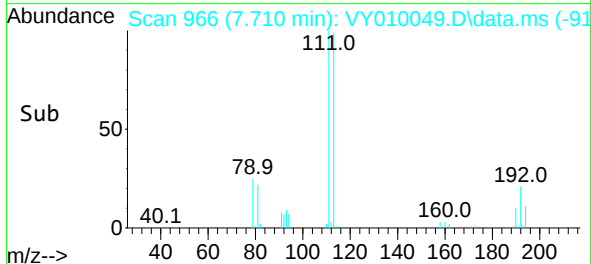


#35
Dibromofluoromethane
Concen: 89.990 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY010049.D
Acq: 16 Aug 2022 17:32

Instrument :
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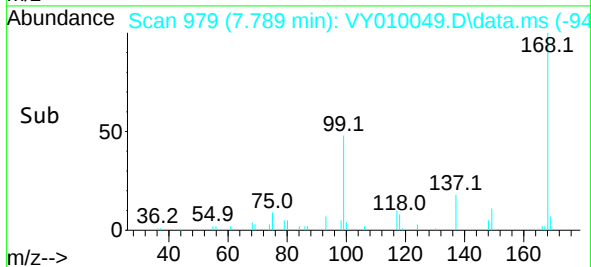
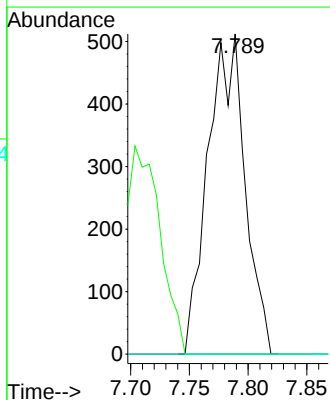
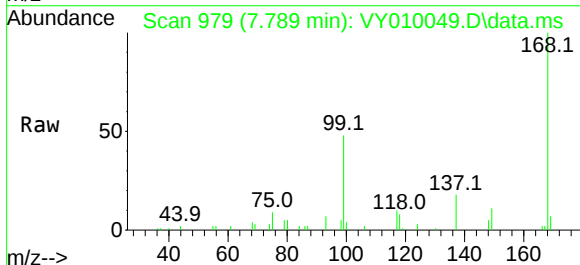


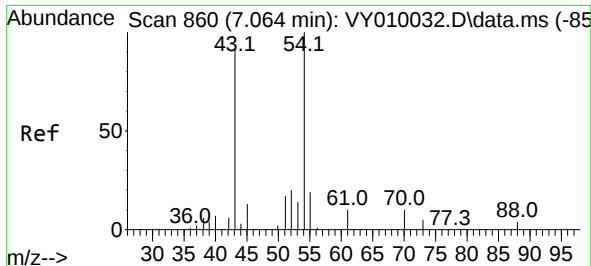
Tgt Ion: 113 Resp: 28389
Ion Ratio Lower Upper
113 100
111 102.0 82.7 124.1
192 22.5 17.2 25.8



#36
1,1-Dichloropropene
Concen: 2.549 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY010049.D
Acq: 16 Aug 2022 17:32

Tgt Ion: 75 Resp: 1120
Ion Ratio Lower Upper
75 100
110 0.0 18.4 55.4#
77 0.0 24.6 36.8#





#37

Ethyl Acetate

Concen: 5.309 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.086 min

Lab File: VY010049.D

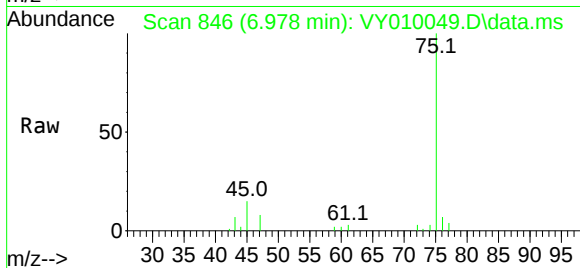
Acq: 16 Aug 2022 17:32

Instrument :

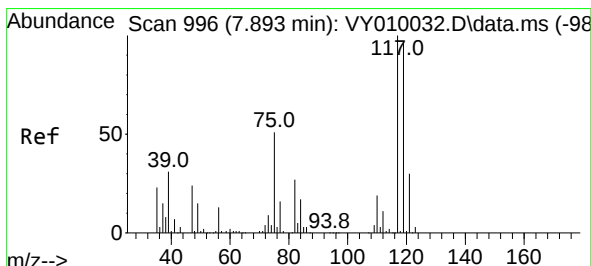
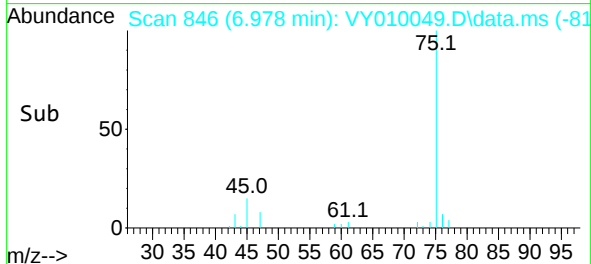
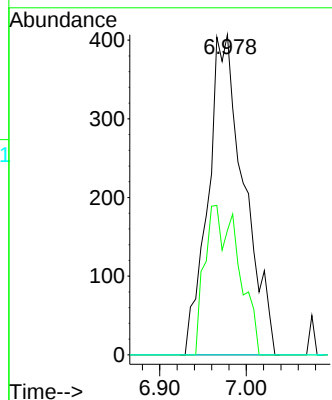
MSVOA_Y

ClientSampleId :

TT-203-IDWSO-20220811-2RE



Tgt Ion: 43	Resp: 1175
Ion Ratio	Lower Upper
43	100
61	43.7 9.6 14.4#
70	0.0 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 2.768 ug/l

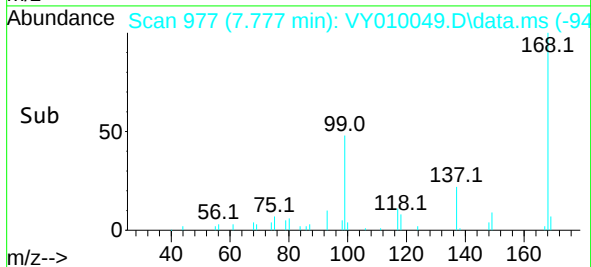
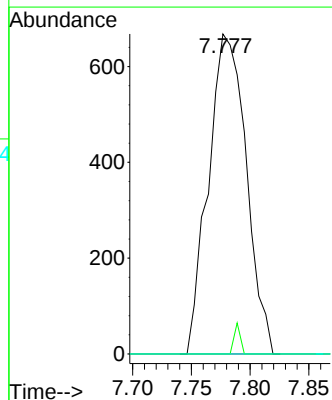
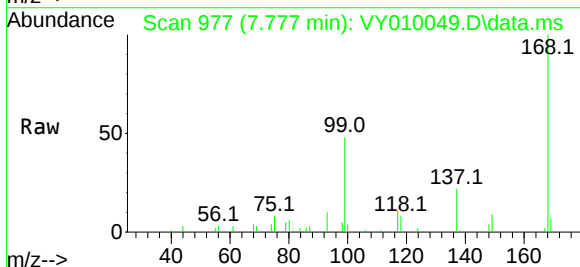
RT: 7.777 min Scan# 977

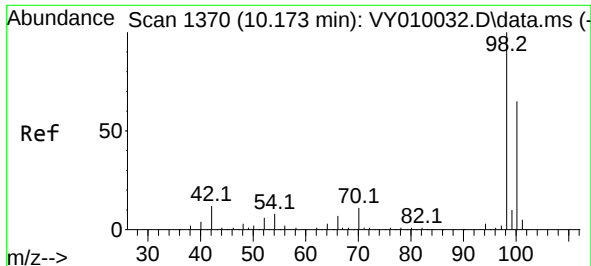
Delta R.T. -0.116 min

Lab File: VY010049.D

Acq: 16 Aug 2022 17:32

Tgt Ion: 117	Resp: 1496
Ion Ratio	Lower Upper
117	100
119	0.0 77.0 115.6#
121	0.0 24.2 36.4#

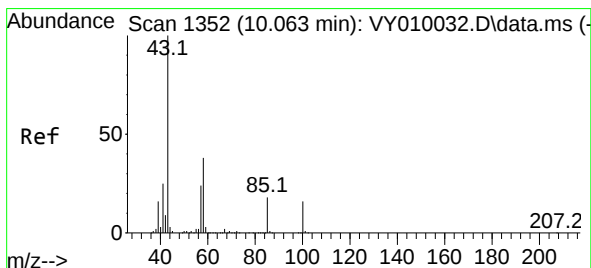
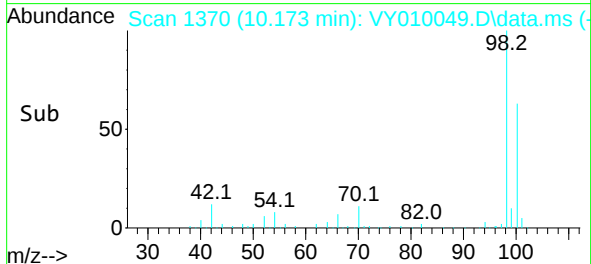
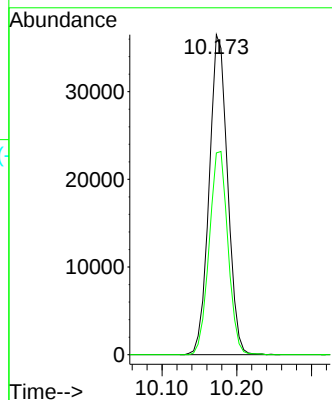
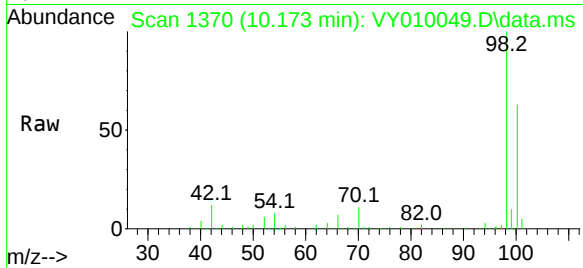




#50
Toluene-d8
Concen: 53.378 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010049.D
Acq: 16 Aug 2022 17:32

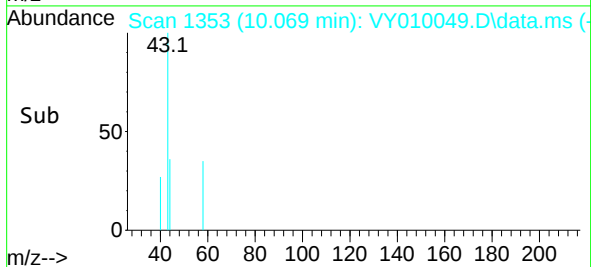
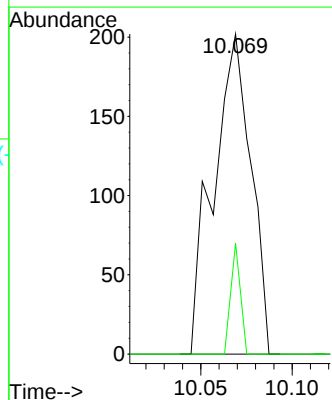
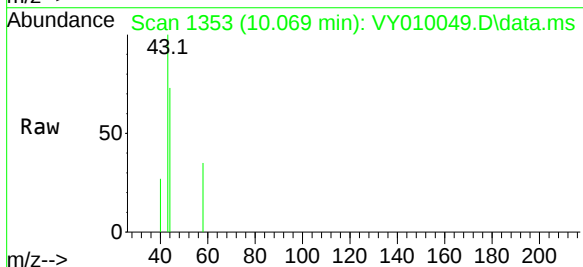
Instrument :
MSVOA_Y
ClientSampleId :
TT-203-IDWSO-20220811-2RE

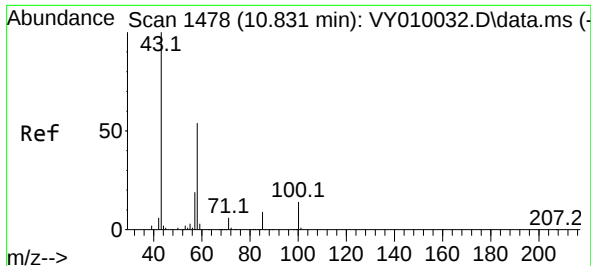
Tgt Ion: 98 Resp: 62300
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.247 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. 0.006 min
Lab File: VY010049.D
Acq: 16 Aug 2022 17:32

Tgt Ion: 43 Resp: 289
Ion Ratio Lower Upper
43 100
58 9.0 29.8 44.8#

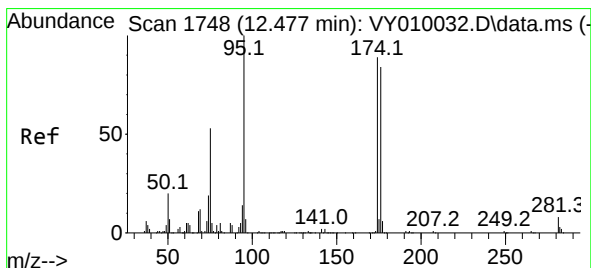
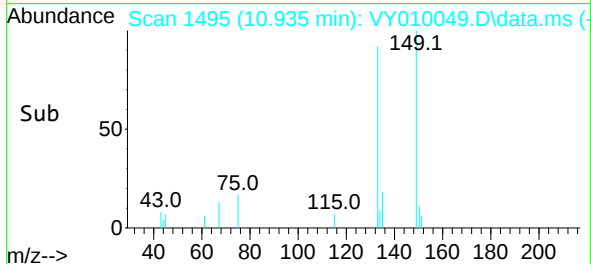
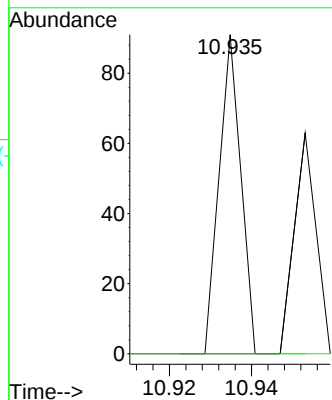
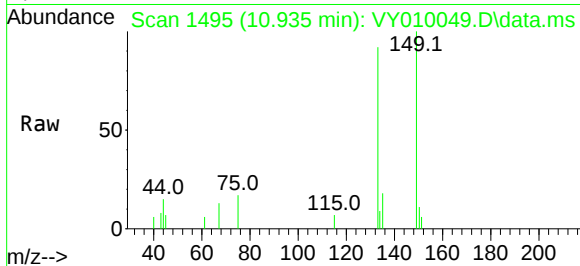




#59
2-Hexanone
Concen: 24.323 ug/l
RT: 10.935 min Scan# 1478
Delta R.T. 0.104 min
Lab File: VY010049.D
Acq: 16 Aug 2022 17:32

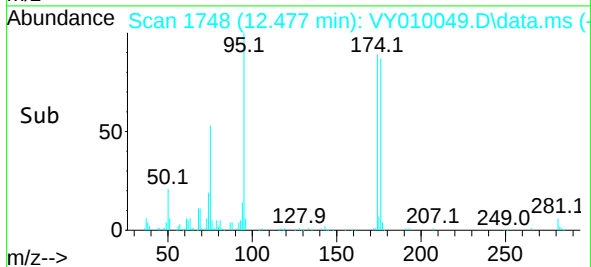
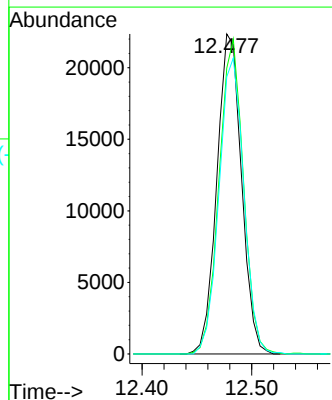
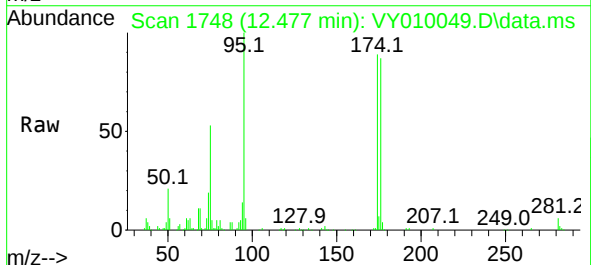
Instrument :
MSVOA_Y
ClientSampleId :
TT-203-IDWSO-20220811-2RE

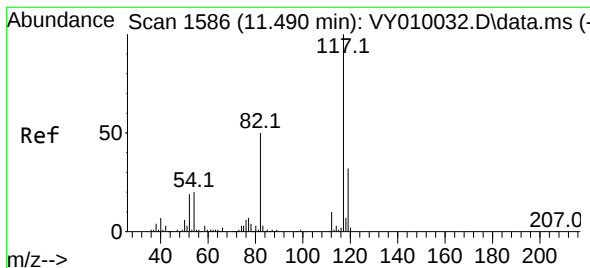
Tgt Ion: 43 Resp: 33
Ion Ratio Lower Upper
43 100
58 0.0 26.3 78.9#



#62
4-Bromofluorobenzene
Concen: 85.128 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010049.D
Acq: 16 Aug 2022 17:32

Tgt Ion: 95 Resp: 34898
Ion Ratio Lower Upper
95 100
174 97.2 0.0 184.2
176 93.1 0.0 178.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY010049.D

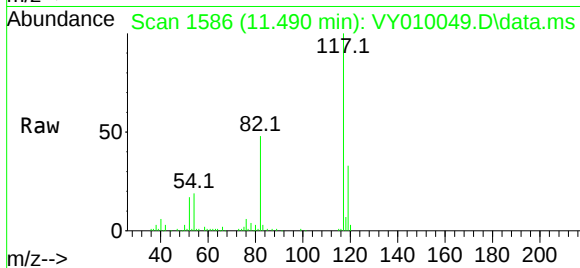
Acq: 16 Aug 2022 17:32

Instrument :

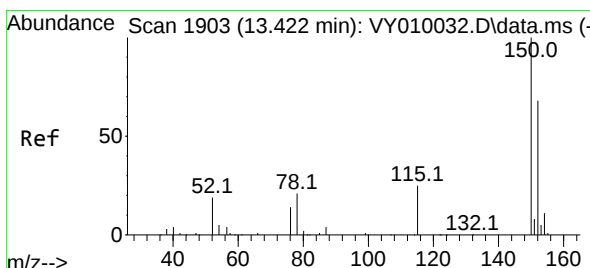
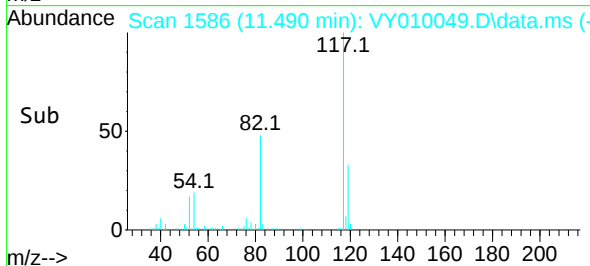
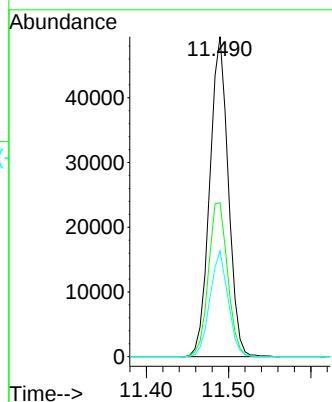
MSVOA_Y

ClientSampleId :

TT-203-IDWSO-20220811-2RE



Tgt Ion:	117	Resp:	77477
Ion Ratio	Lower	Upper	
117	100		
82	48.1	39.8	59.6
119	33.1	25.6	38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

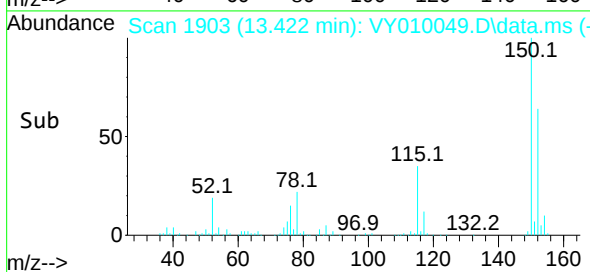
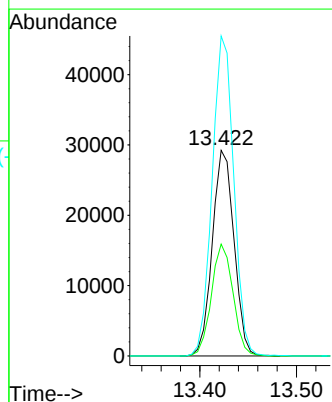
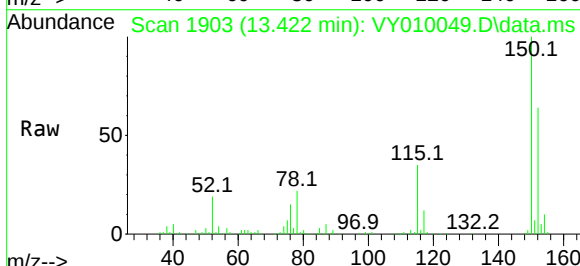
RT: 13.422 min Scan# 1903

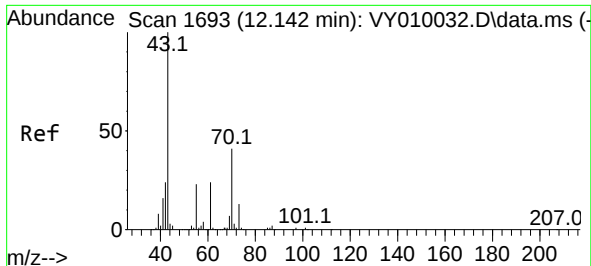
Delta R.T. 0.000 min

Lab File: VY010049.D

Acq: 16 Aug 2022 17:32

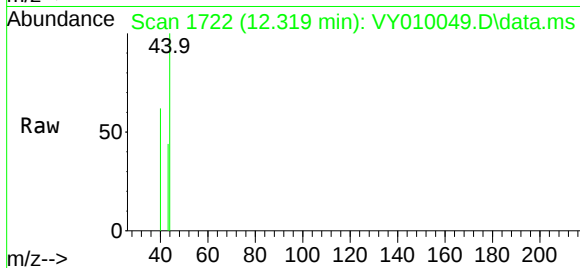
Tgt Ion:	152	Resp:	45653
Ion Ratio	Lower	Upper	
152	100		
115	54.1	28.1	84.3
150	154.5	0.0	346.6



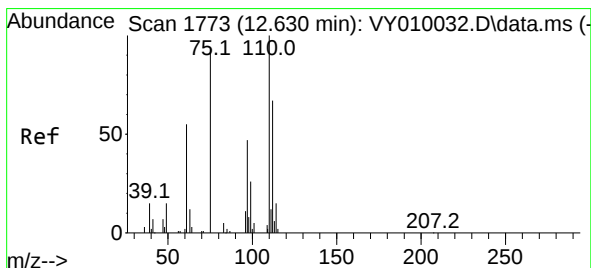
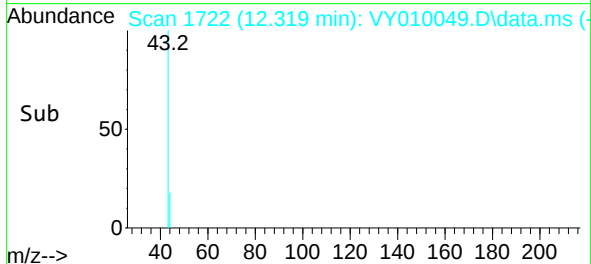
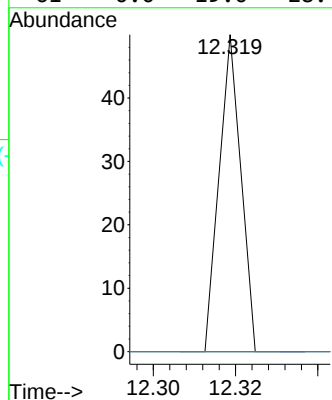


#74
N-ethyl acetate
Concen: 4.703 ug/l
RT: 12.319 min Scan# 1748
Delta R.T. 0.177 min
Lab File: VY010049.D
Acq: 16 Aug 2022 17:32

Instrument :
MSVOA_Y
ClientSampleId :
TT-203-IDWSO-20220811-2RE

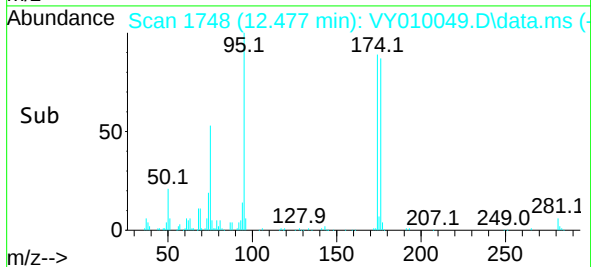
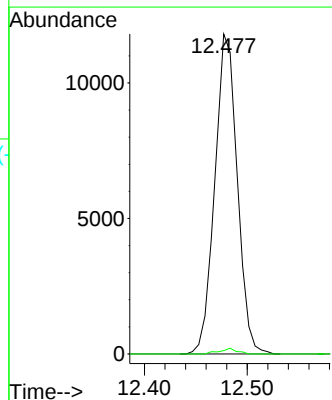
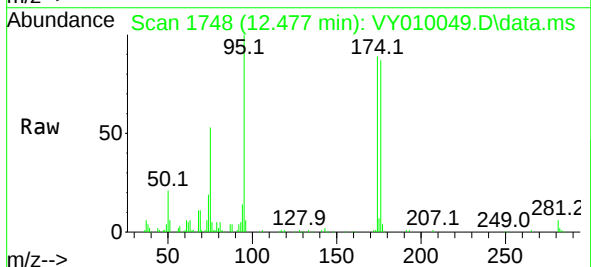


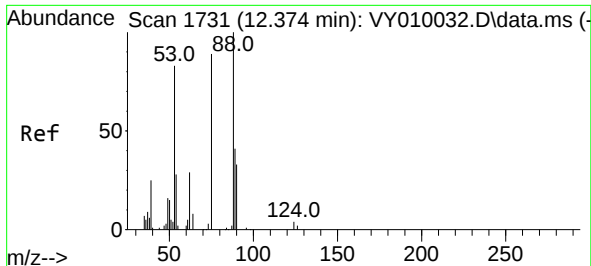
Tgt Ion: 43	Resp: 18
Ion Ratio	Lower Upper
43 100	
70 0.0	32.3 48.5#
55 0.0	19.3 28.9#
61 0.0	19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 41.348 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010049.D
Acq: 16 Aug 2022 17:32

Tgt Ion: 75	Resp: 17893
Ion Ratio	Lower Upper
75 100	
77 1.4	0.0 0.0#

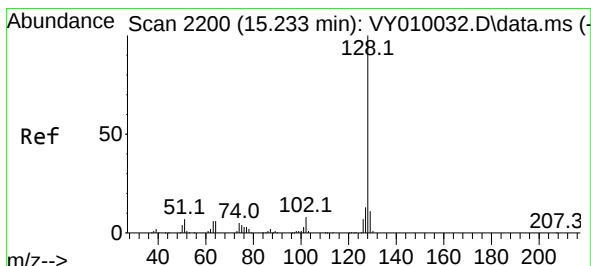
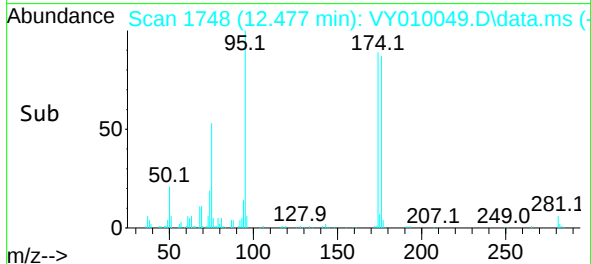
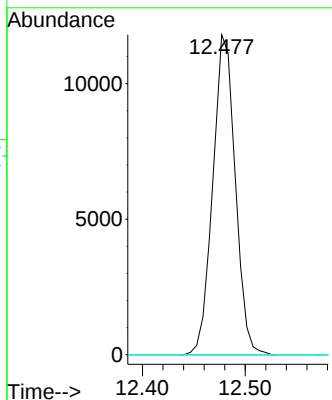
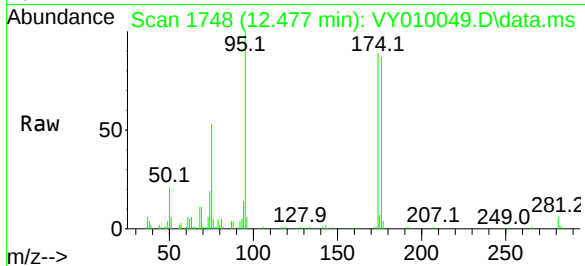




#81
trans-1,4-Dichloro-2-butene
Concen: 93.442 ug/l
RT: 12.477 min Scan# 1731
Delta R.T. 0.103 min
Lab File: VY010049.D
Acq: 16 Aug 2022 17:32

Instrument : MSVOA_Y
ClientSampleId : TT-203-IDWSO-20220811-2RE

Tgt Ion: 75 Resp: 17893
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 37.8 56.6#



#95
Naphthalene
Concen: 7.882 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY010049.D
Acq: 16 Aug 2022 17:32

Tgt Ion: 128 Resp: 6505
Ion Ratio Lower Upper
128 100
127 13.7 10.4 15.6
129 11.4 8.6 13.0

