

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022322\
 Data File : VY007603.D
 Acq On : 23 Feb 2022 17:19
 Operator : SY/MD
 Sample : N1584-01
 Misc : 6.30g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D4-12.5

Quant Time: Feb 24 08:24:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022322S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 24 07:13:58 2022
 Response via : Initial Calibration

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

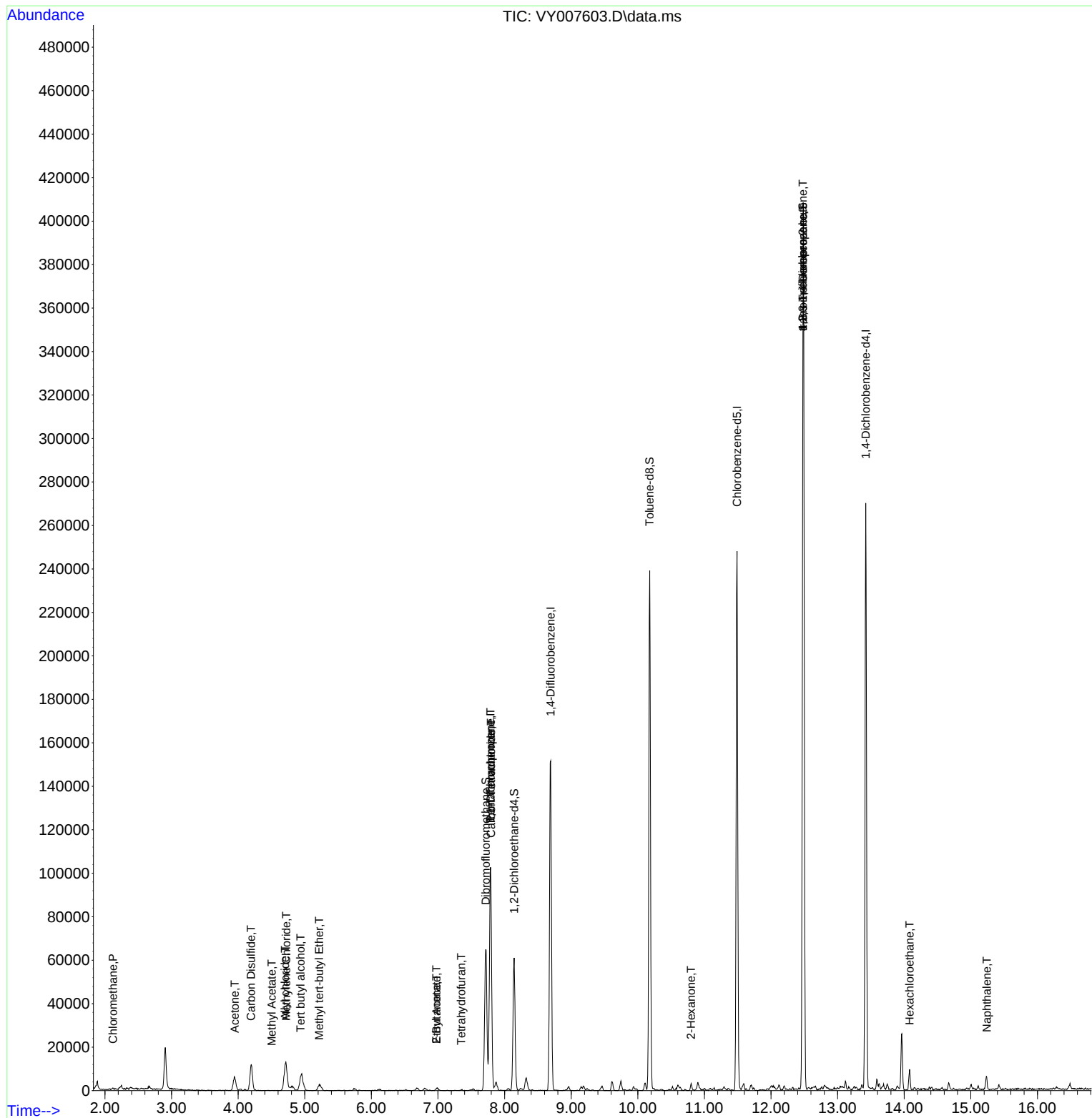
Internal Standards						
1) Pentafluorobenzene	7.789	168	80429	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	135354	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	135546	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	66534	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	47029	52.562	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.120%	
35) Dibromofluoromethane	7.716	113	43258	50.649	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.300%	
50) Toluene-d8	10.179	98	157631	49.894	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.780%	
62) 4-Bromofluorobenzene	12.477	95	59631	55.218	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 110.440%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	379	1.134	ug/l	92
5) Bromomethane	2.668	94	561	Below Cal	#	76
11) Tert butyl alcohol	4.936	59	15285	169.616	ug/l	98
14) Allyl chloride	4.704	41	1696	2.019	ug/l #	79
16) Acetone	3.948	43	8200	40.241	ug/l	98
17) Carbon Disulfide	4.192	76	23937	10.602	ug/l #	94
18) Methyl Acetate	4.503	43	98	1.460	ug/l #	56
19) Methyl tert-butyl Ether	5.216	73	4439	1.818	ug/l #	87
20) Methylene Chloride	4.722	84	8178	6.100	ug/l #	68
25) 2-Butanone	6.978	43	794	3.437	ug/l	96
29) Tetrahydrofuran	7.350	42	185	1.376	ug/l #	65
31) Cyclohexane	7.789	56	1932	Below Cal	#	23
36) 1,1-Dichloropropene	7.789	75	5633	4.577	ug/l #	55
37) Ethyl Acetate	6.978	43	794	1.433	ug/l #	72
38) Carbon Tetrachloride	7.795	117	8501	4.717	ug/l #	14
39) Methylcyclohexane	9.179	83	52	Below Cal	#	64
59) 2-Hexanone	10.801	43	1138	2.803	ug/l #	28
76) 1,2,3-Trichloropropane	12.477	75	36996	55.597	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	36996	119.541	ug/l #	8
90) Hexachloroethane	14.080	117	4878	5.115	ug/l #	6
95) Naphthalene	15.239	128	4958	1.469	ug/l #	95

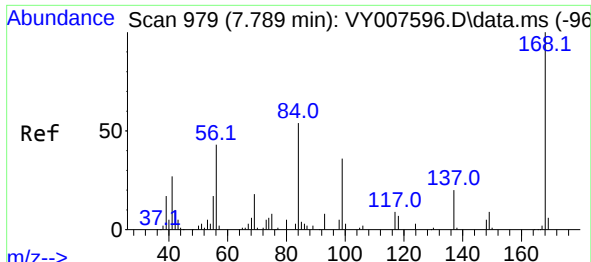
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
D4-12.5

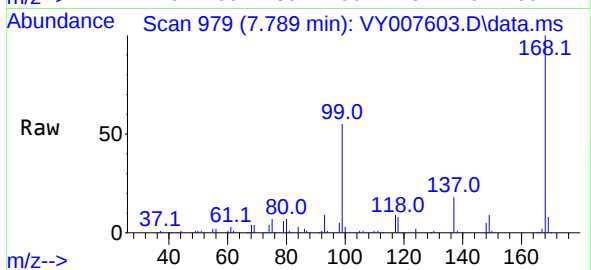
Quant Time: Feb 24 08:24:14 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022322S.M
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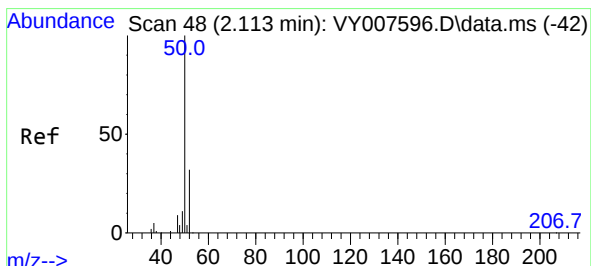
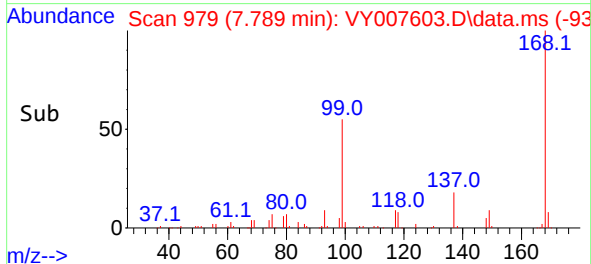
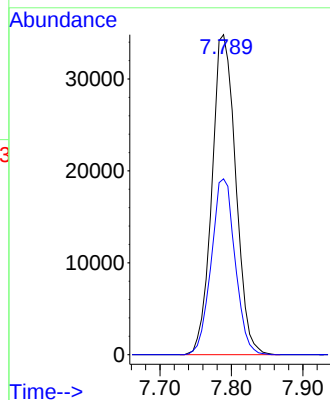


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007603.D
Acq: 23 Feb 2022 17:19

Instrument :
MSVOA_Y
ClientSampleId :
D4-12.5

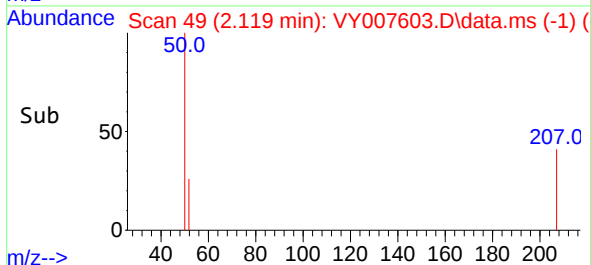
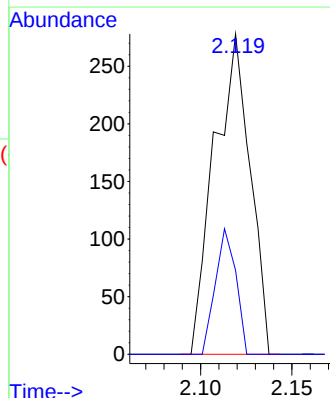
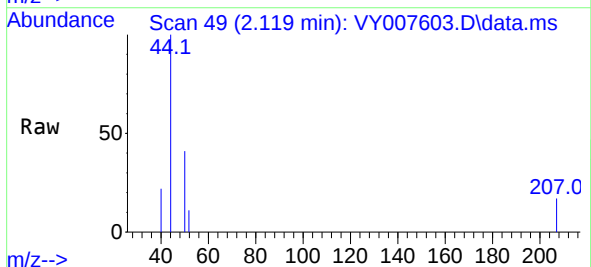


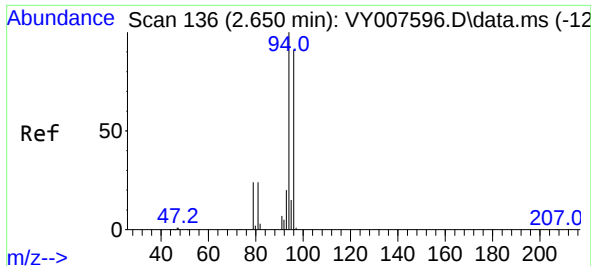
Tgt Ion:168 Resp: 80429
Ion Ratio Lower Upper
168 100
99 55.0 46.9 70.3



#3
Chloromethane
Concen: 1.134 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY007603.D
Acq: 23 Feb 2022 17:19

Tgt Ion: 50 Resp: 379
Ion Ratio Lower Upper
50 100
52 26.3 24.6 37.0

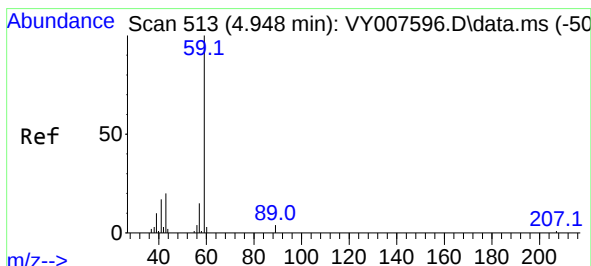
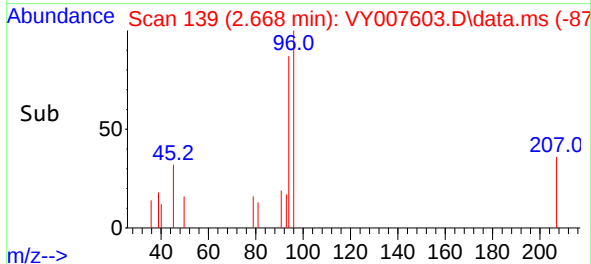
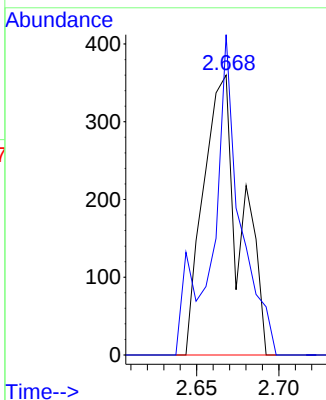
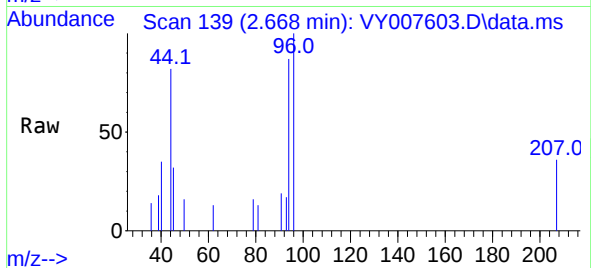




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY007603.D
Acq: 23 Feb 2022 17:19

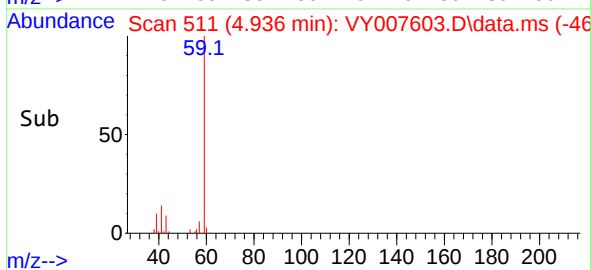
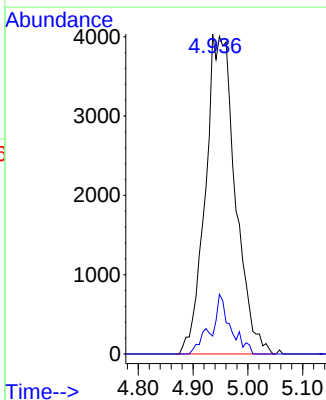
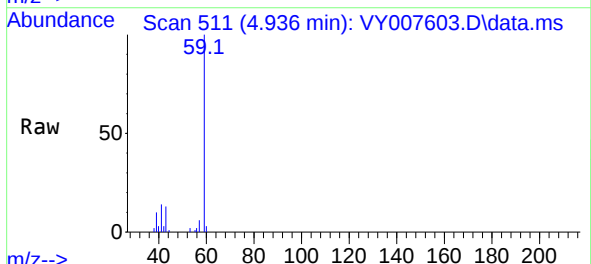
Instrument :
MSVOA_Y
ClientSampleId :
D4-12.5

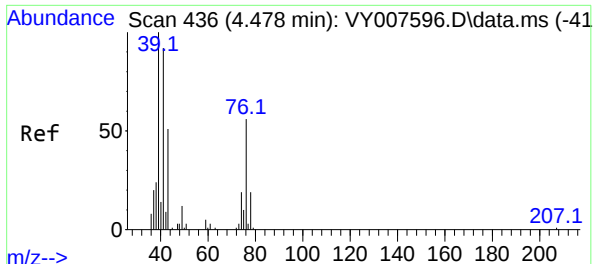
Tgt Ion: 94 Resp: 561
Ion Ratio Lower Upper
94 100
96 114.4 73.5 110.3#



#11
Tert butyl alcohol
Concen: 169.616 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY007603.D
Acq: 23 Feb 2022 17:19

Tgt Ion: 59 Resp: 15285
Ion Ratio Lower Upper
59 100
57 8.8 6.4 9.6

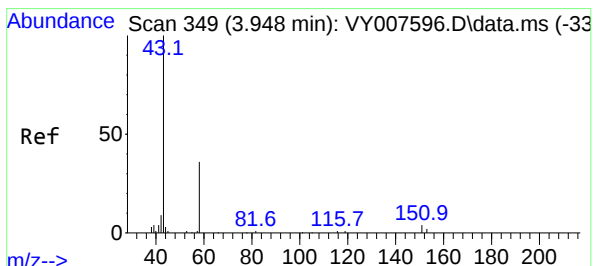
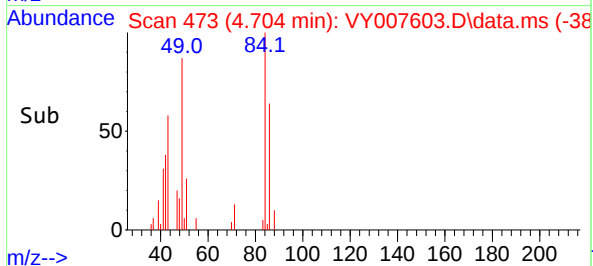
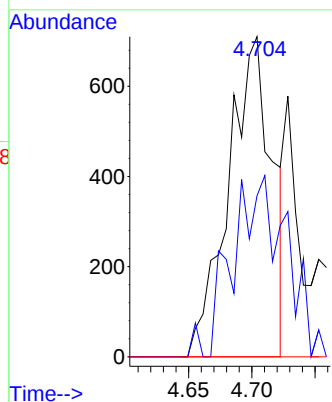
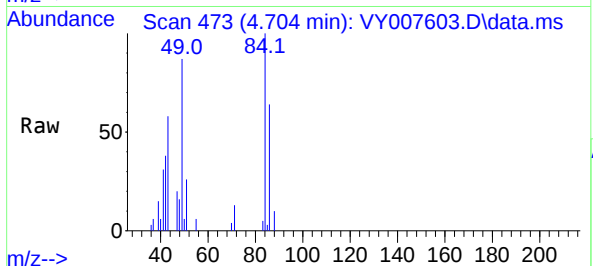




#14
Allyl chloride
Concen: 2.019 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.226 min
Lab File: VY007603.D
Acq: 23 Feb 2022 17:19

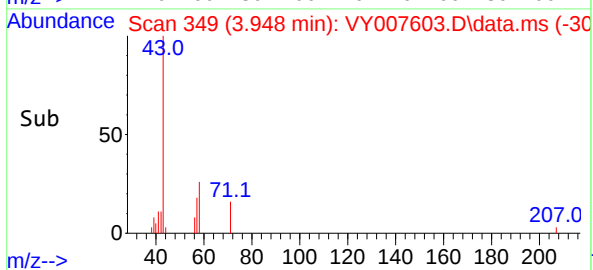
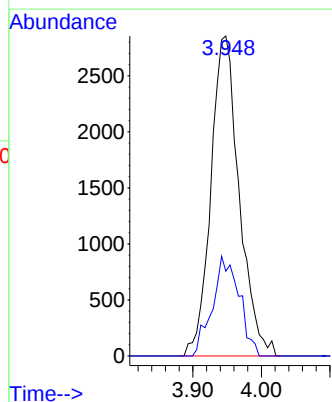
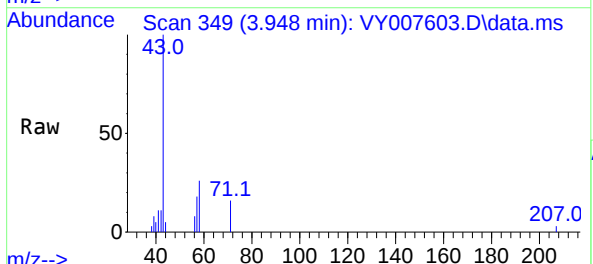
Instrument :
MSVOA_Y
ClientSampleId :
D4-12.5

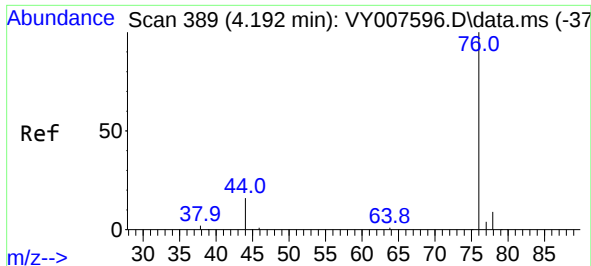
Tgt Ion: 41 Resp: 1696
Ion Ratio Lower Upper
41 100
39 69.3 58.8 88.2
76 0.0 25.1 37.7#



#16
Acetone
Concen: 40.241 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY007603.D
Acq: 23 Feb 2022 17:19

Tgt Ion: 43 Resp: 8200
Ion Ratio Lower Upper
43 100
58 26.5 22.0 33.0





#17

Carbon Disulfide

Concen: 10.602 ug/l

RT: 4.192 min Scan# 31

Delta R.T. -0.000 min

Lab File: VY007603.D

Acq: 23 Feb 2022 17:19

Instrument :

MSVOA_Y

ClientSampleId :

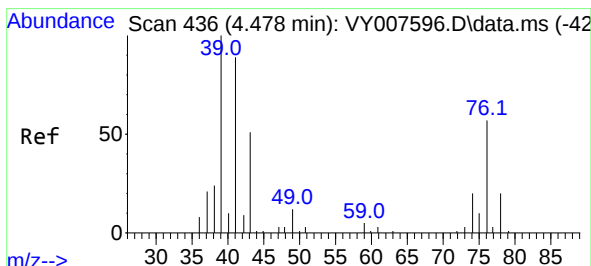
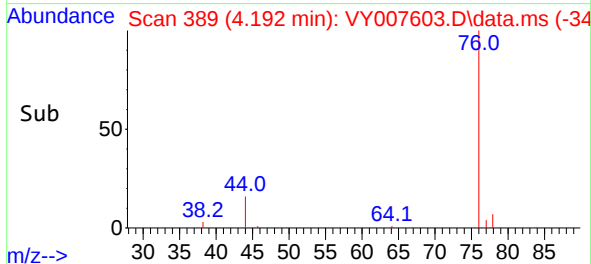
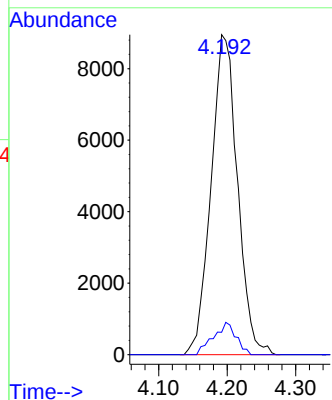
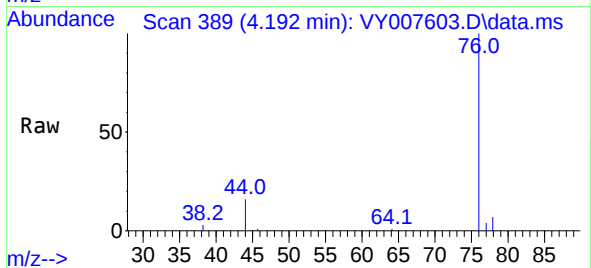
D4-12.5

Tgt Ion: 76 Resp: 23937

Ion Ratio Lower Upper

76 100

78 7.0 7.4 11.0#



#18

Methyl Acetate

Concen: 1.460 ug/l

RT: 4.503 min Scan# 440

Delta R.T. 0.025 min

Lab File: VY007603.D

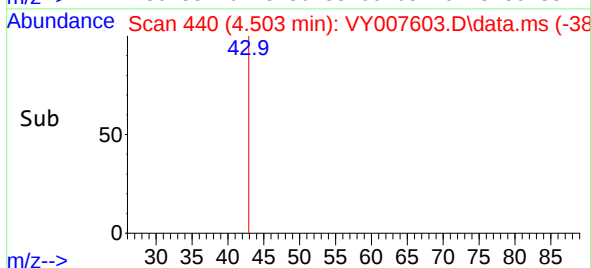
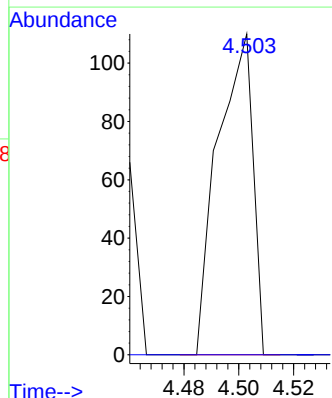
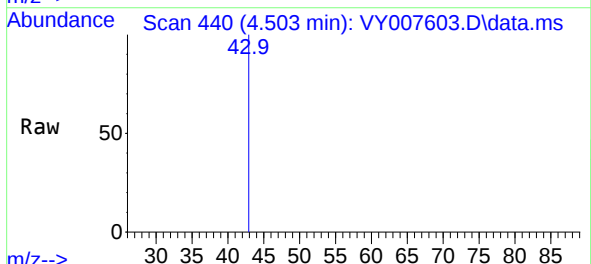
Acq: 23 Feb 2022 17:19

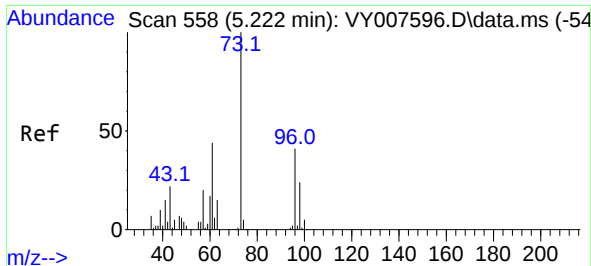
Tgt Ion: 43 Resp: 98

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#

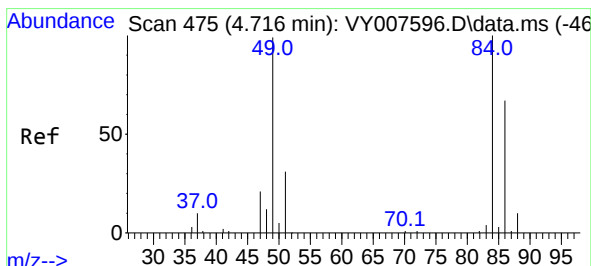
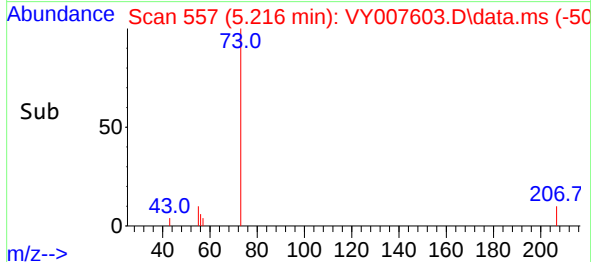
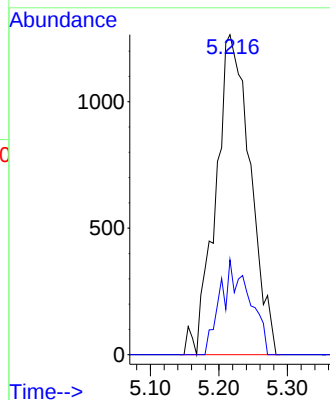
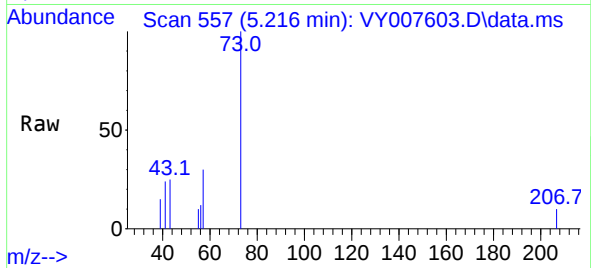




#19
Methyl tert-butyl Ether
Concen: 1.818 ug/l
RT: 5.216 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY007603.D
Acq: 23 Feb 2022 17:19

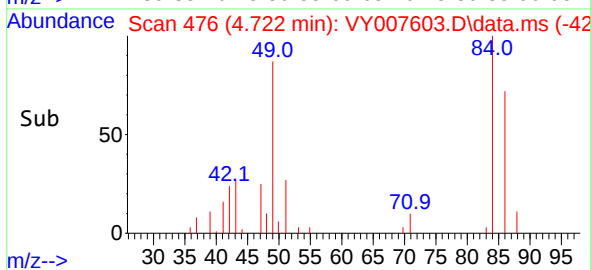
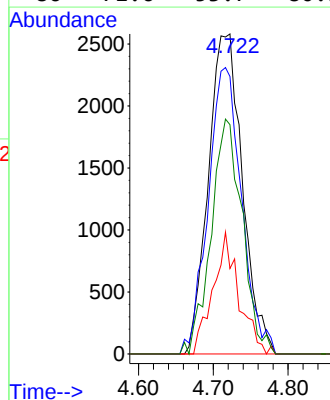
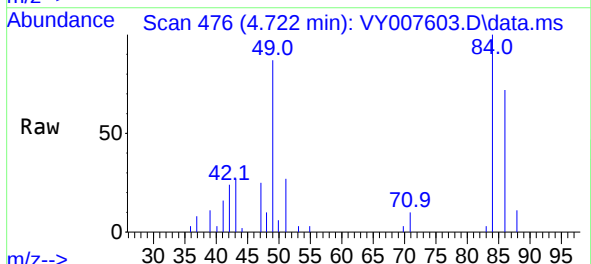
Instrument :
MSVOA_Y
ClientSampleId :
D4-12.5

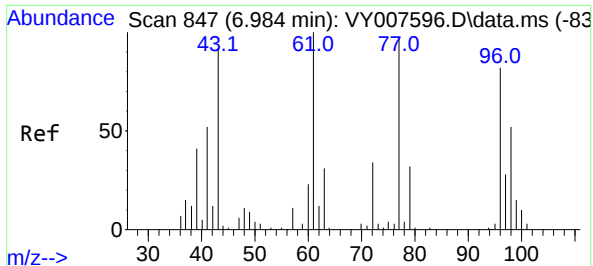
Tgt Ion: 73 Resp: 4439
Ion Ratio Lower Upper
73 100
57 29.6 18.6 27.8#



#20
Methylene Chloride
Concen: 6.100 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY007603.D
Acq: 23 Feb 2022 17:19

Tgt Ion: 84 Resp: 8178
Ion Ratio Lower Upper
84 100
49 86.7 114.4 171.6#
51 26.7 35.3 52.9#
86 71.6 53.7 80.5





#25

2-Butanone

Concen: 3.437 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY007603.D

Acq: 23 Feb 2022 17:19

Instrument :

MSVOA_Y

ClientSampleId :

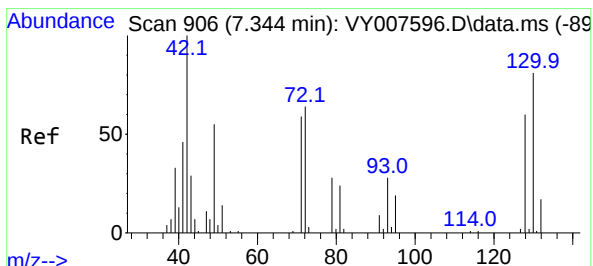
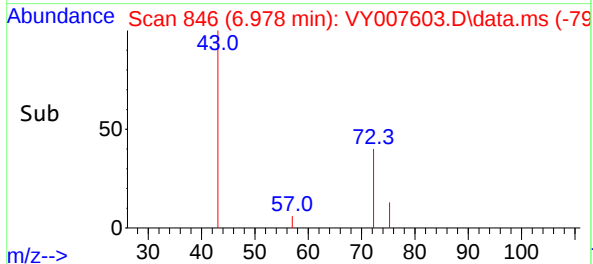
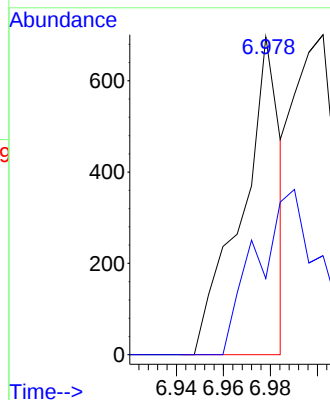
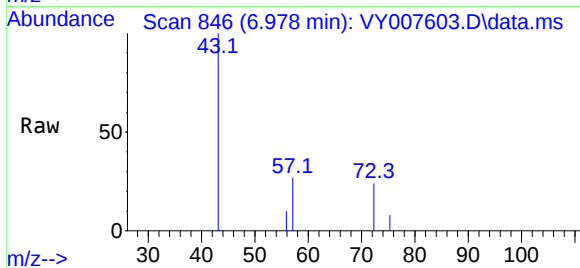
D4-12.5

Tgt Ion: 43 Resp: 794

Ion Ratio Lower Upper

43 100

72 24.0 17.7 26.5



#29

Tetrahydrofuran

Concen: 1.376 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY007603.D

Acq: 23 Feb 2022 17:19

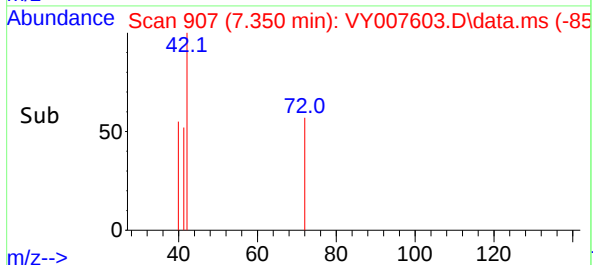
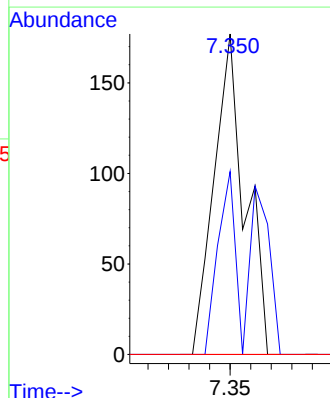
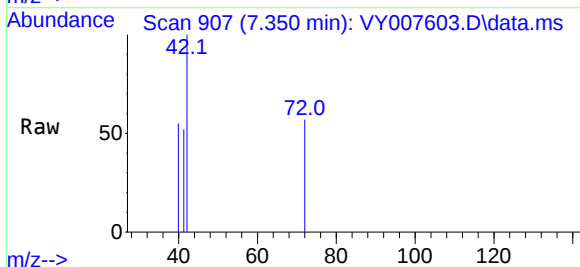
Tgt Ion: 42 Resp: 185

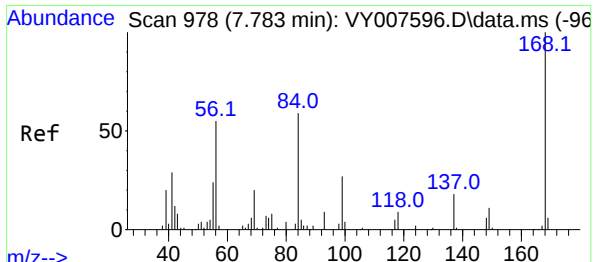
Ion Ratio Lower Upper

42 100

72 31.9 30.3 45.5

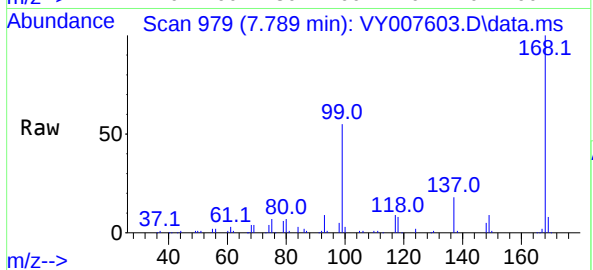
71 0.0 29.0 43.4#



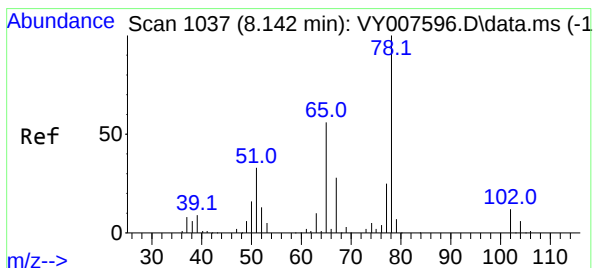
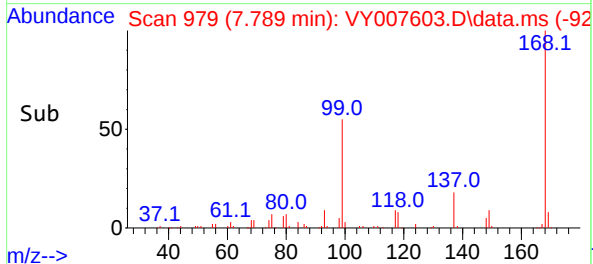
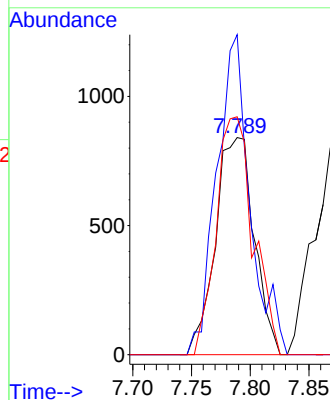


#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007603.D
Acq: 23 Feb 2022 17:19

Instrument :
MSVOA_Y
ClientSampleId :
D4-12.5

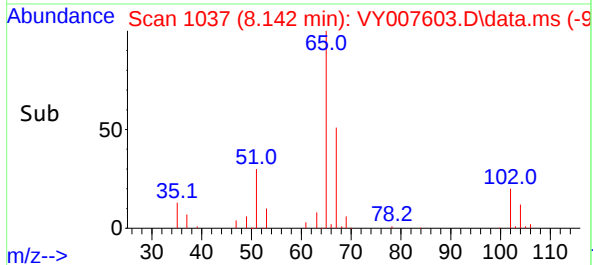
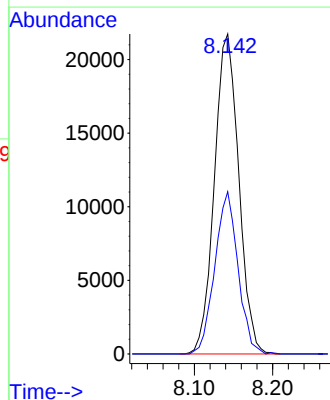
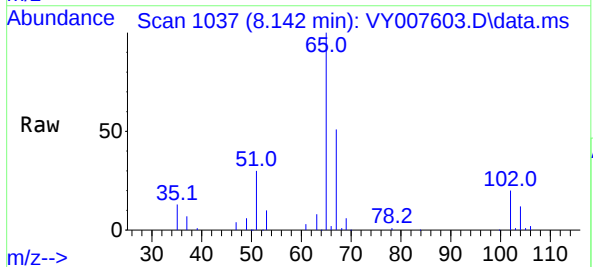


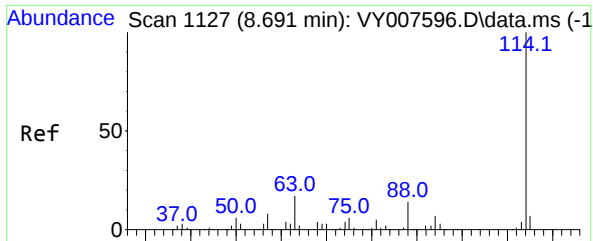
Tgt Ion: 56 Resp: 1932
Ion Ratio Lower Upper
56 100
69 147.3 26.7 40.1#
84 109.5 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 52.562 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY007603.D
Acq: 23 Feb 2022 17:19

Tgt Ion: 65 Resp: 47029
Ion Ratio Lower Upper
65 100
67 48.2 0.0 99.4



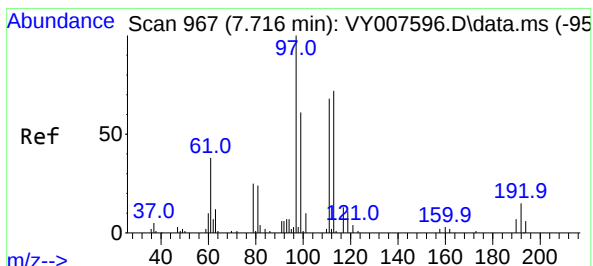
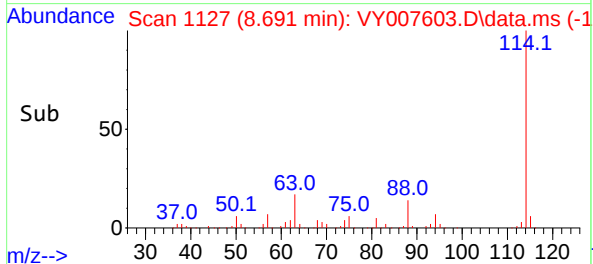
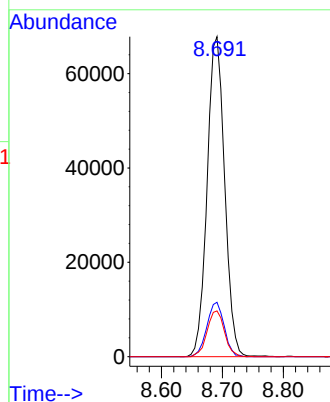
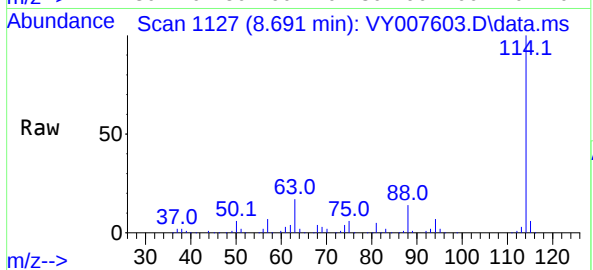


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY007603.D
Acq: 23 Feb 2022 17:19

Instrument :
MSVOA_Y
ClientSampleId :
D4-12.5

Tgt Ion:114 Resp: 135354

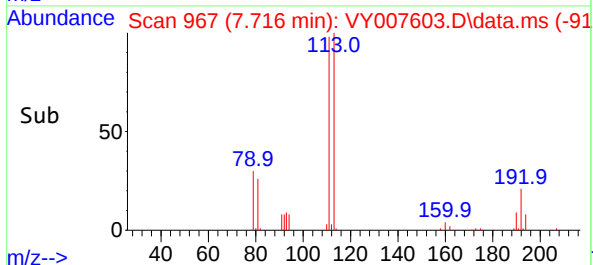
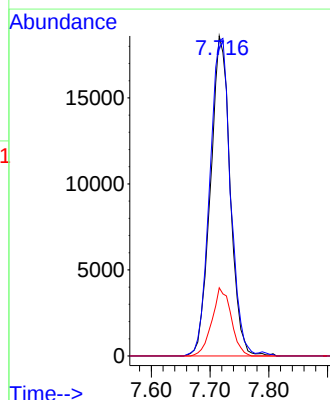
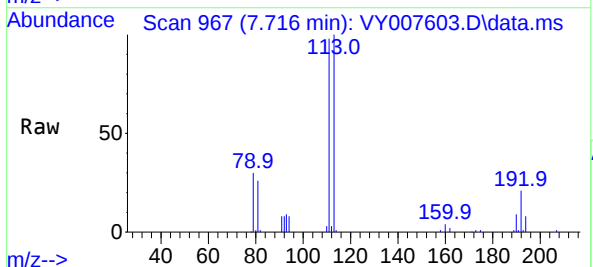
Ion	Ratio	Lower	Upper
114	100		
63	17.0	0.0	43.2
88	14.3	0.0	31.8

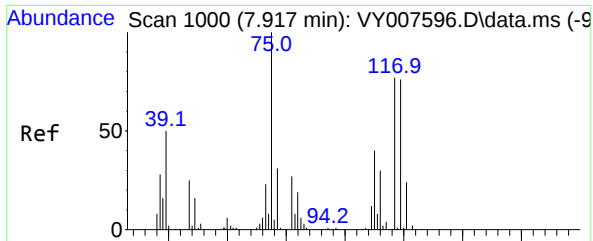


#35
Dibromofluoromethane
Concen: 50.649 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY007603.D
Acq: 23 Feb 2022 17:19

Tgt Ion:113 Resp: 43258

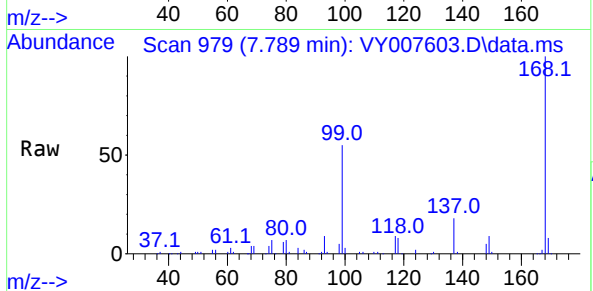
Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.6	124.0
192	20.8	17.6	26.4



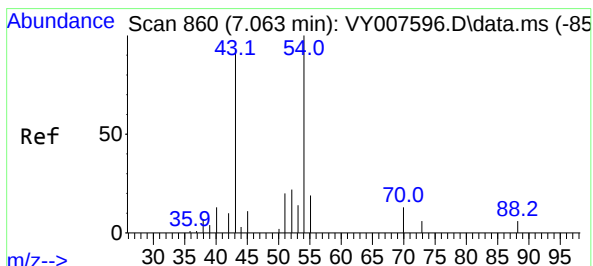
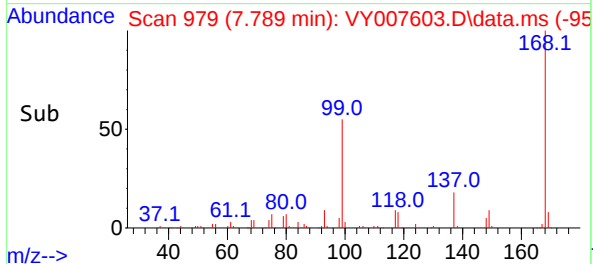
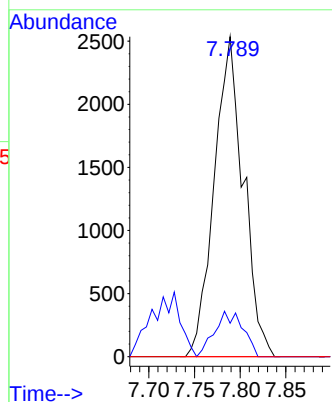


#36
1,1-Dichloropropene
Concen: 4.577 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY007603.D
Acq: 23 Feb 2022 17:19

Instrument :
MSVOA_Y
ClientSampleId :
D4-12.5

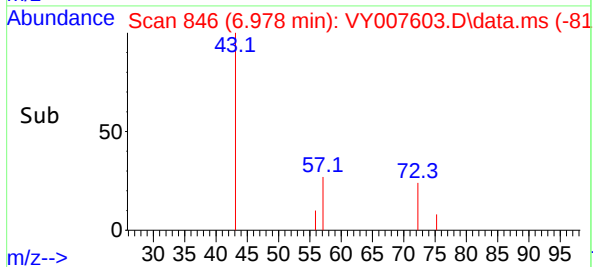
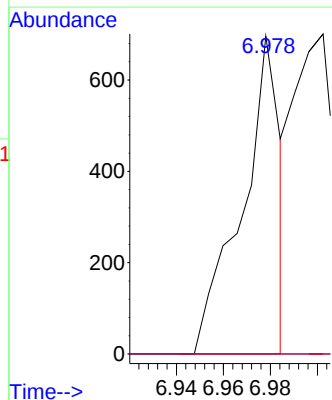
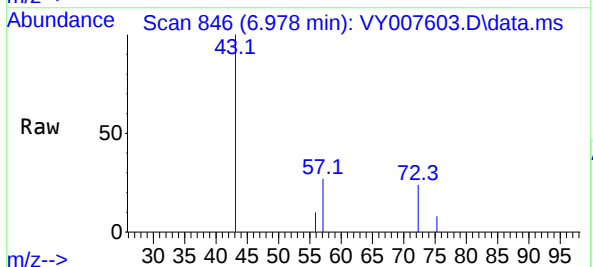


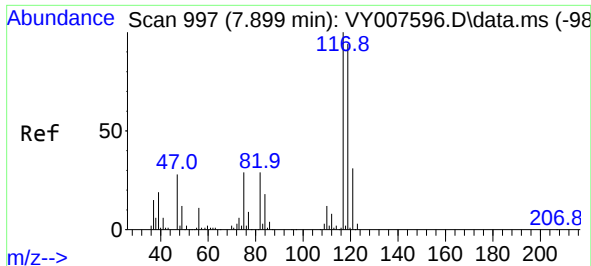
Tgt Ion: 75 Resp: 5633
Ion Ratio Lower Upper
75 100
110 13.7 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.433 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.085 min
Lab File: VY007603.D
Acq: 23 Feb 2022 17:19

Tgt Ion: 43 Resp: 794
Ion Ratio Lower Upper
43 100
61 0.0 9.7 14.5#
70 0.0 7.1 10.7#

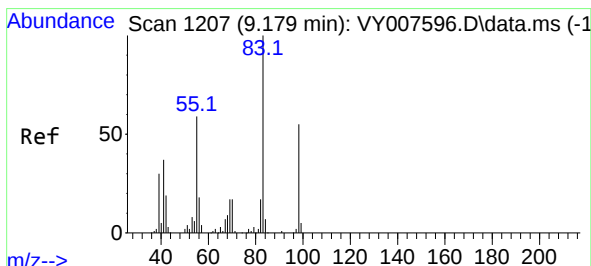
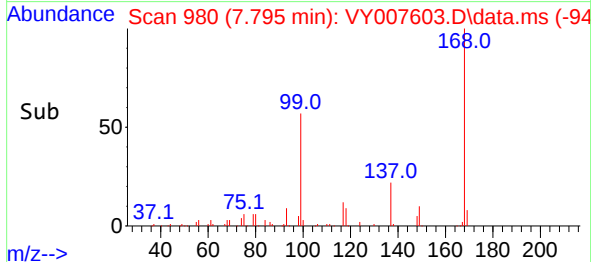
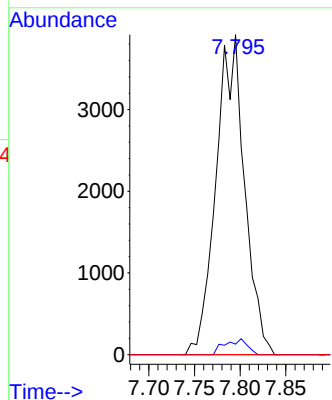
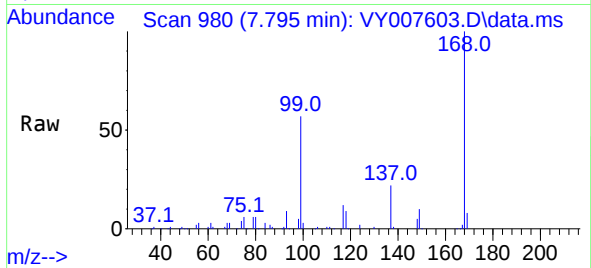




#38
Carbon Tetrachloride
Concen: 4.717 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY007603.D
Acq: 23 Feb 2022 17:19

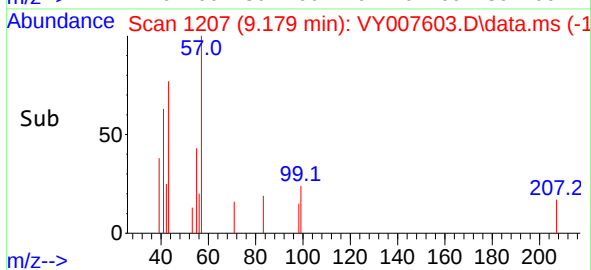
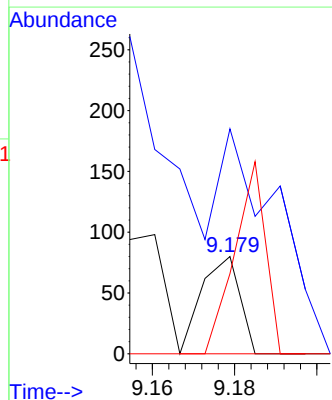
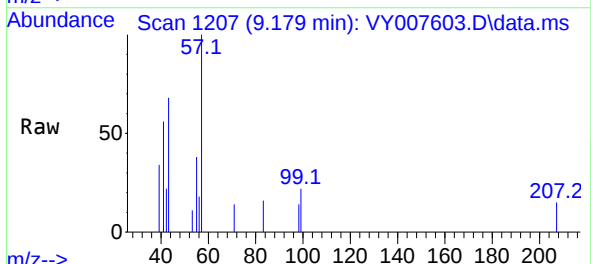
Instrument :
MSVOA_Y
ClientSampleId :
D4-12.5

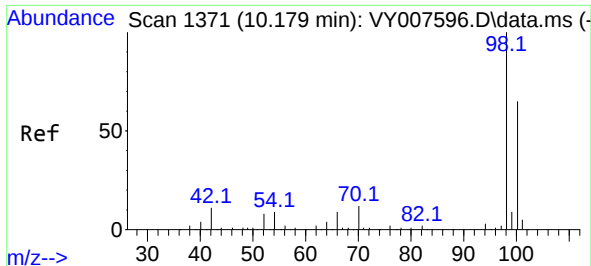
Tgt Ion:117 Resp: 8501
Ion Ratio Lower Upper
117 100
119 3.3 77.9 116.9#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: Below Cal
RT: 9.179 min Scan# 1207
Delta R.T. -0.000 min
Lab File: VY007603.D
Acq: 23 Feb 2022 17:19

Tgt Ion: 83 Resp: 52
Ion Ratio Lower Upper
83 100
55 58.8 66.5 99.7#
98 82.5 37.9 56.9#

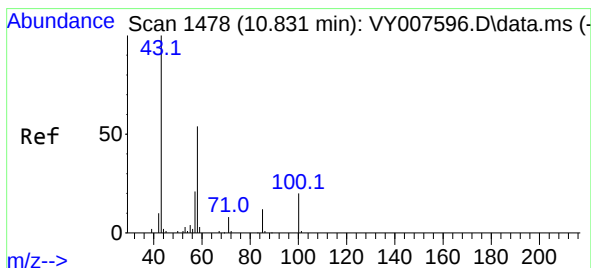
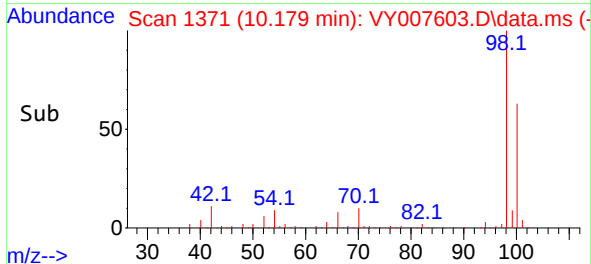
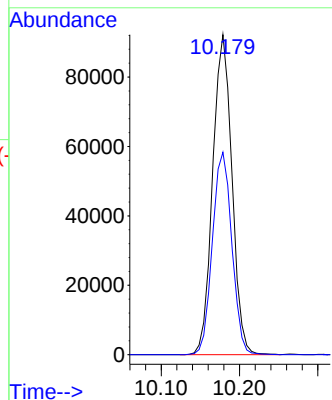
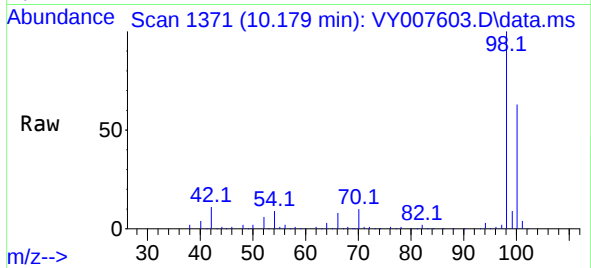




#50
Toluene-d8
Concen: 49.894 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007603.D
Acq: 23 Feb 2022 17:19

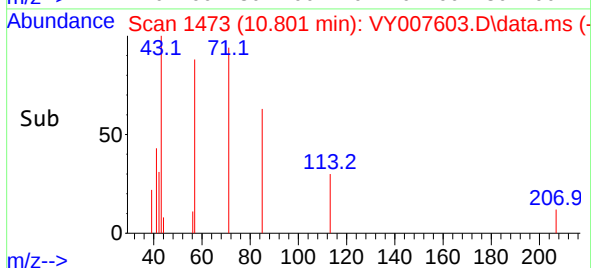
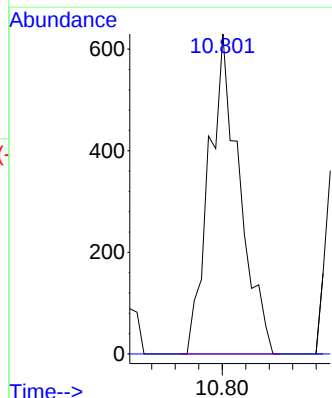
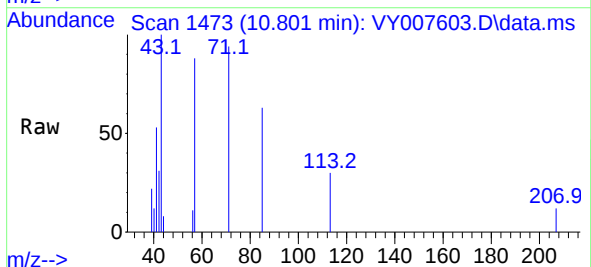
Instrument :
MSVOA_Y
ClientSampleId :
D4-12.5

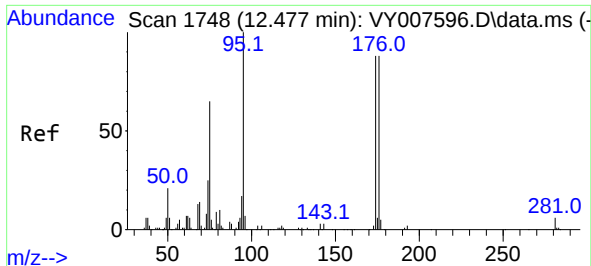
Tgt Ion: 98 Resp: 157631
Ion Ratio Lower Upper
98 100
100 63.8 50.2 75.2



#59
2-Hexanone
Concen: 2.803 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.030 min
Lab File: VY007603.D
Acq: 23 Feb 2022 17:19

Tgt Ion: 43 Resp: 1138
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#



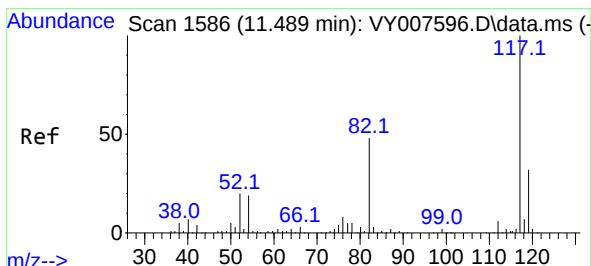
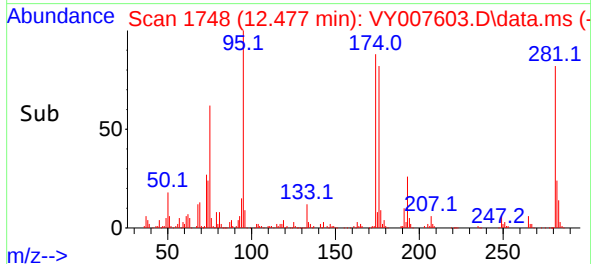
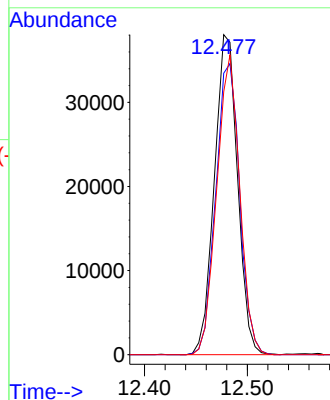
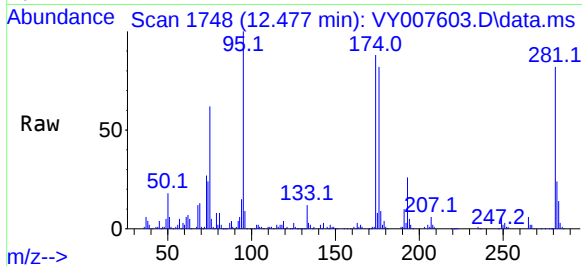


#62
4-Bromofluorobenzene
Concen: 55.218 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY007603.D
Acq: 23 Feb 2022 17:19

Instrument :
MSVOA_Y
ClientSampleId :
D4-12.5

Tgt Ion: 95 Resp: 59631

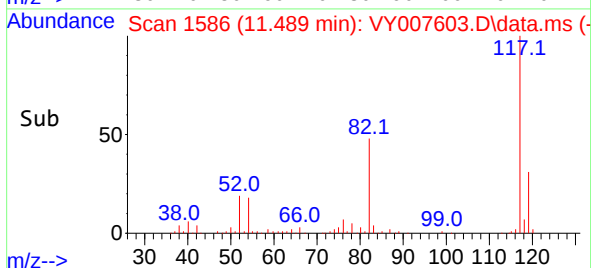
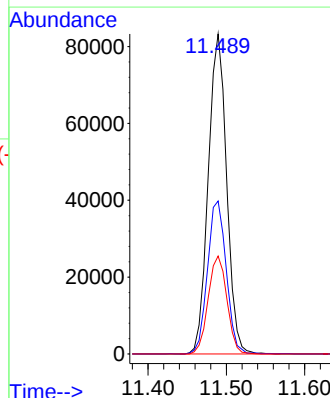
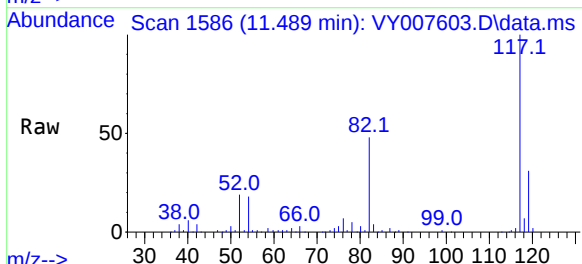
Ion	Ratio	Lower	Upper
95	100		
174	94.2	0.0	177.0
176	92.6	0.0	175.8

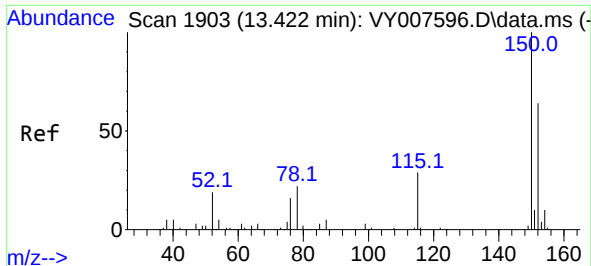


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY007603.D
Acq: 23 Feb 2022 17:19

Tgt Ion: 117 Resp: 135546

Ion	Ratio	Lower	Upper
117	100		
82	47.8	43.0	64.4
119	30.6	25.4	38.0

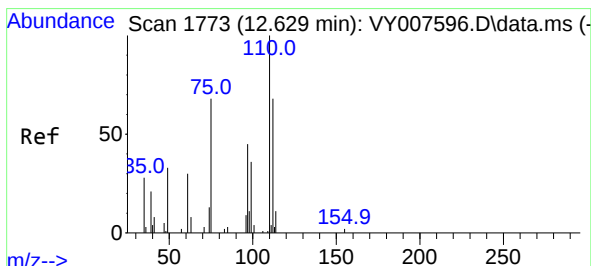
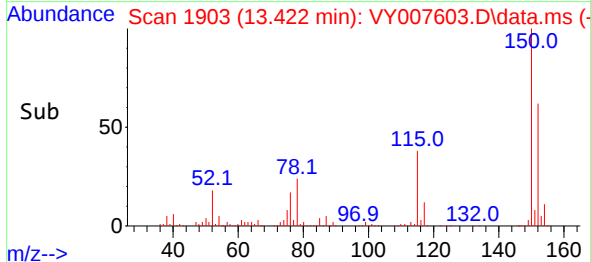
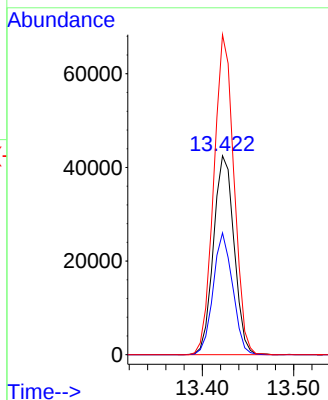
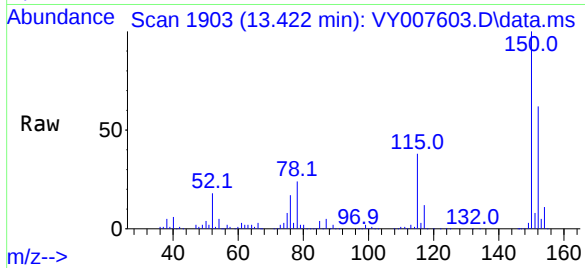




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY007603.D
Acq: 23 Feb 2022 17:19

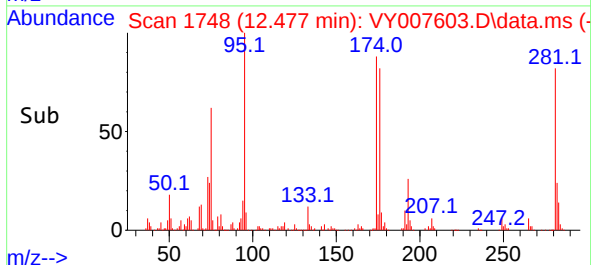
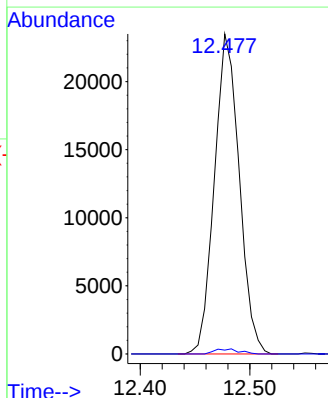
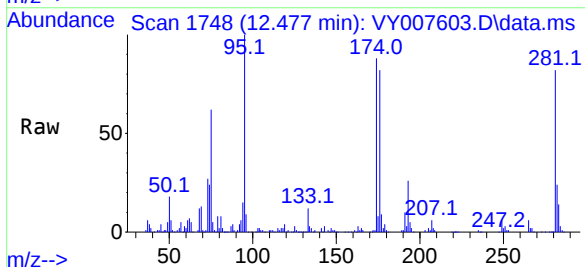
Instrument :
MSVOA_Y
ClientSampleId :
D4-12.5

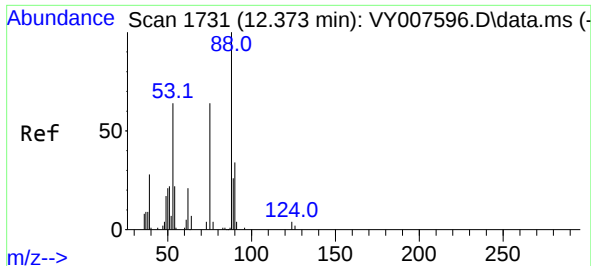
Tgt Ion:152 Resp: 66534
Ion Ratio Lower Upper
152 100
115 57.9 28.2 84.7
150 157.7 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 55.597 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY007603.D
Acq: 23 Feb 2022 17:19

Tgt Ion: 75 Resp: 36996
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#

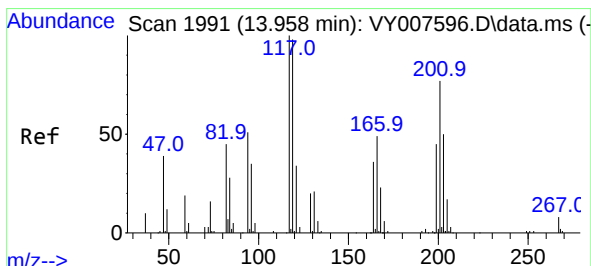
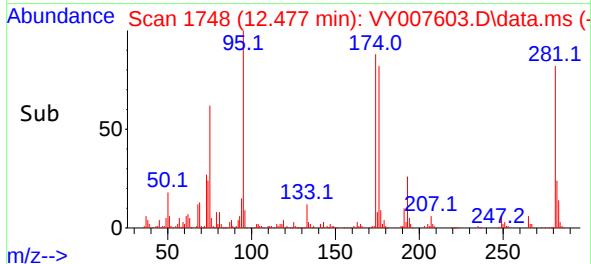
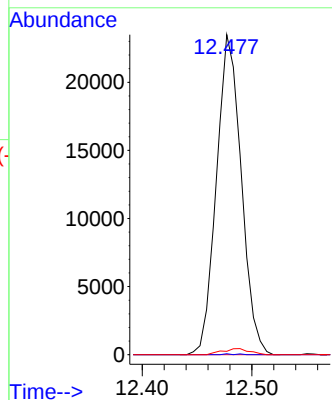
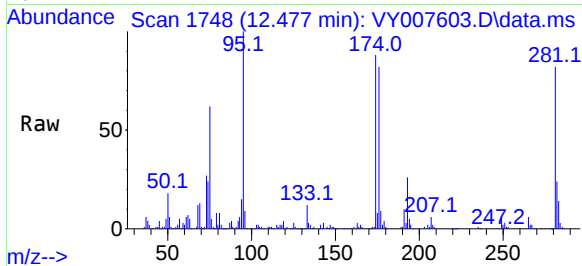




#81
trans-1,4-Dichloro-2-butene
Concen: 119.541 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY007603.D
Acq: 23 Feb 2022 17:19

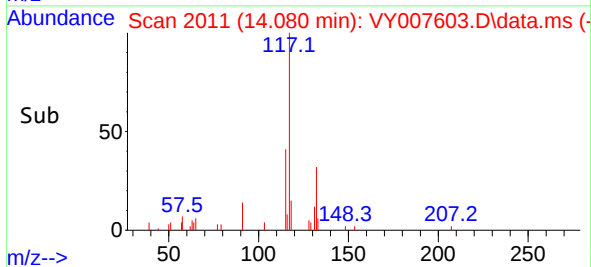
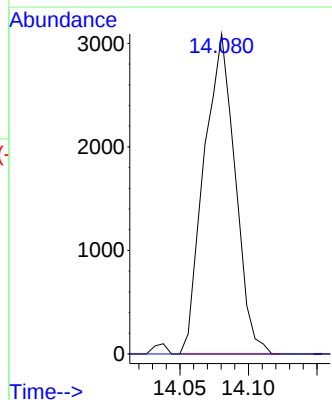
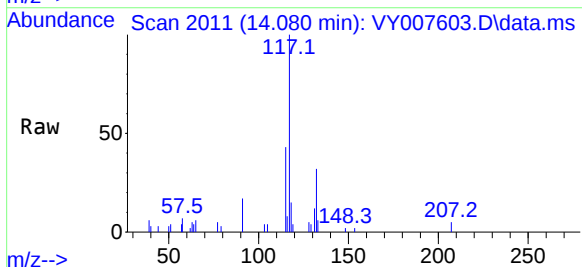
Instrument :
MSVOA_Y
ClientSampleId :
D4-12.5

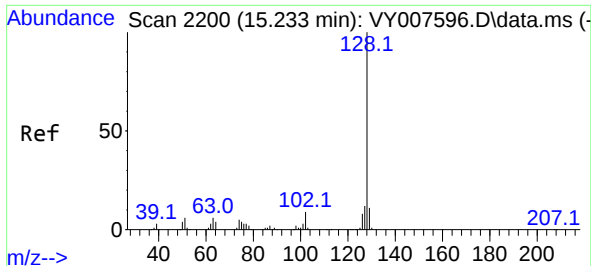
Tgt Ion: 75 Resp: 36996
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 2.0 37.0 55.4#



#90
Hexachloroethane
Concen: 5.115 ug/l
RT: 14.080 min Scan# 2011
Delta R.T. 0.122 min
Lab File: VY007603.D
Acq: 23 Feb 2022 17:19

Tgt Ion: 117 Resp: 4878
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#





#95

Naphthalene

Concen: 1.469 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY007603.D

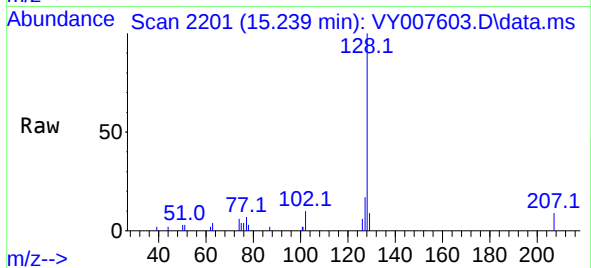
Acq: 23 Feb 2022 17:19

Instrument :

MSVOA_Y

ClientSampleId :

D4-12.5



Tgt Ion:128 Resp: 4958

Ion	Ratio	Lower	Upper
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128	100		
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127	14.9	11.0	16.4
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129	13.1	8.4	12.6#
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