

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062722\
 Data File : VY009345.D
 Acq On : 27 Jun 2022 16:08
 Operator : KP/MD
 Sample : N3426-03
 Misc : 5.96g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B2207-27.5

Quant Time: Jun 28 04:30:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062422S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 25 07:08:46 2022
 Response via : Initial Calibration

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

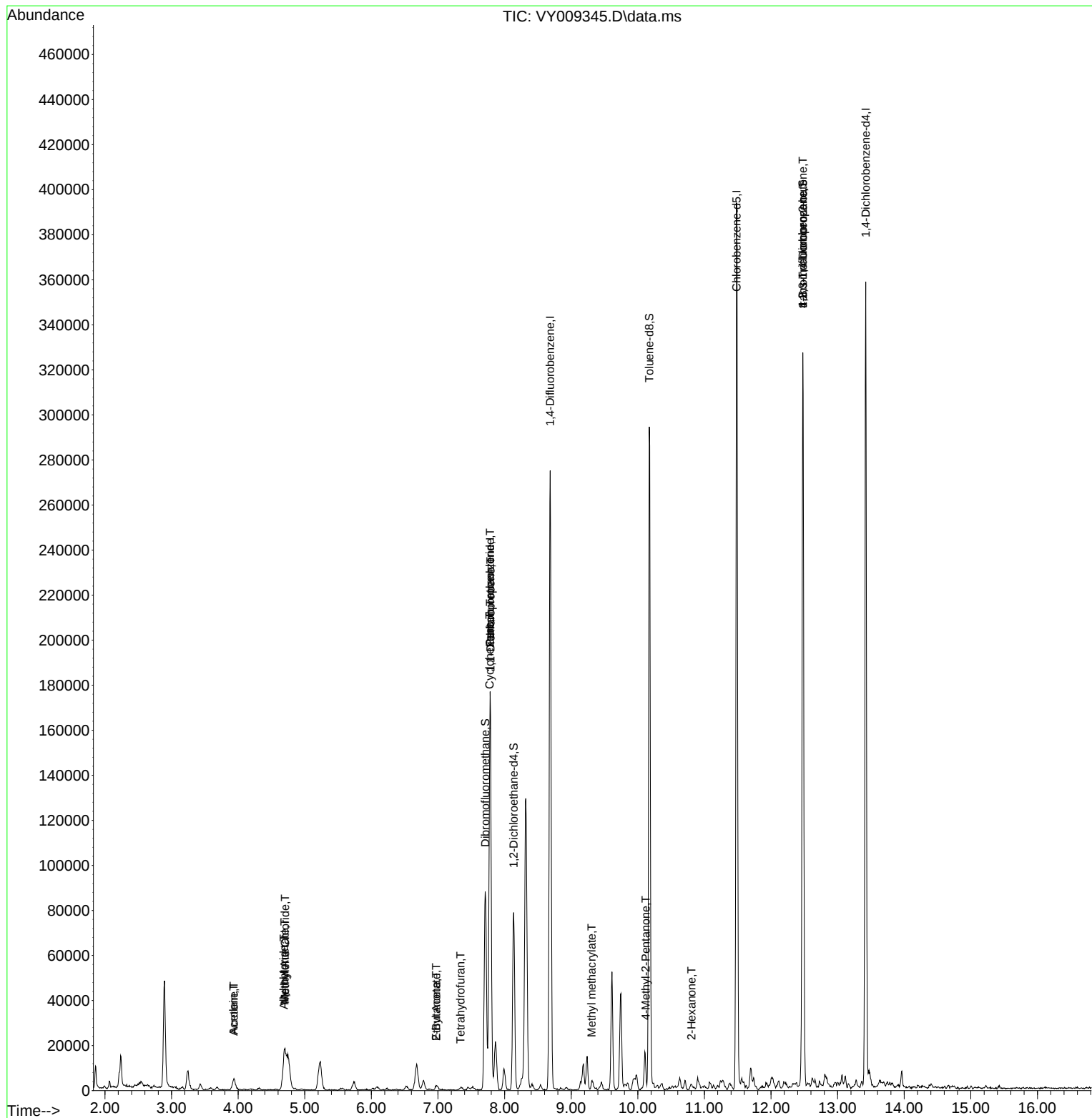
Internal Standards						
1) Pentafluorobenzene	7.783	168	137408	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	231345	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	210253	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	88650	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	59184	57.916	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.840%
35) Dibromofluoromethane	7.710	113	62217	49.825	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.660%
50) Toluene-d8	10.173	98	187980	51.763	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.520%
62) 4-Bromofluorobenzene	12.477	95	84677	47.614	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	95.220%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	773	Below Cal	#	78
13) Acrolein	3.930	56	506	3.978	ug/l #	53
14) Allyl chloride	4.686	41	2331	1.036	ug/l #	72
16) Acetone	3.936	43	6898	19.636	ug/l #	85
18) Methyl Acetate	4.698	43	8461	8.651	ug/l #	52
20) Methylene Chloride	4.704	84	8093	2.079	ug/l	95
25) 2-Butanone	6.972	43	1430	2.707	ug/l	91
29) Tetrahydrofuran	7.338	42	447	1.318	ug/l #	83
31) Cyclohexane	7.777	56	4011	1.614	ug/l #	37
36) 1,1-Dichloropropene	7.789	75	9870	4.710	ug/l #	49
37) Ethyl Acetate	6.972	43	1430	1.201	ug/l #	68
38) Carbon Tetrachloride	7.783	117	13104	6.081	ug/l #	16
48) Methyl methacrylate	9.307	41	1198	1.226	ug/l #	21
51) 4-Methyl-2-Pentanone	10.118	43	2235	2.012	ug/l #	66
59) 2-Hexanone	10.807	43	1549	2.005	ug/l #	26
76) 1,2,3-Trichloropropane	12.477	75	45682	53.102	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	45682	105.117	ug/l #	14

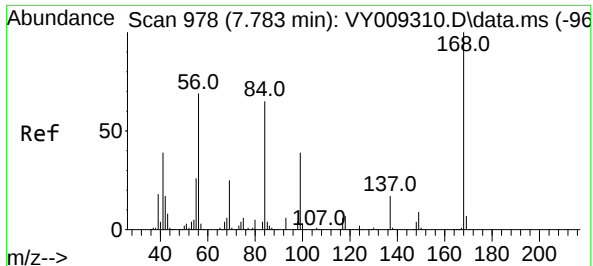
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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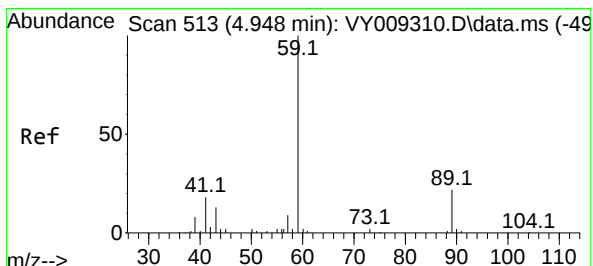
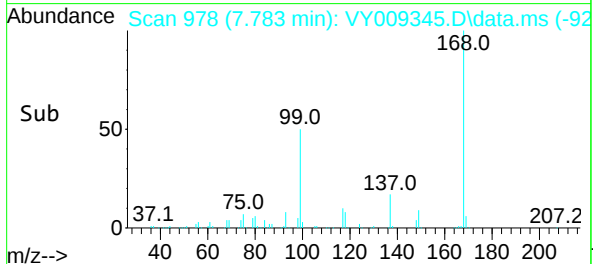
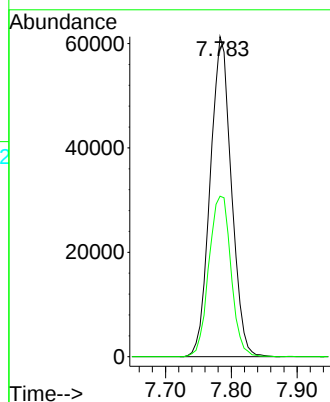
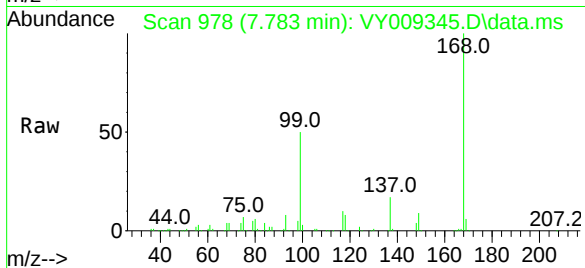




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009345.D
Acq: 27 Jun 2022 16:08

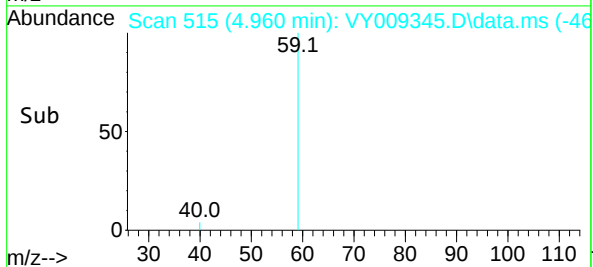
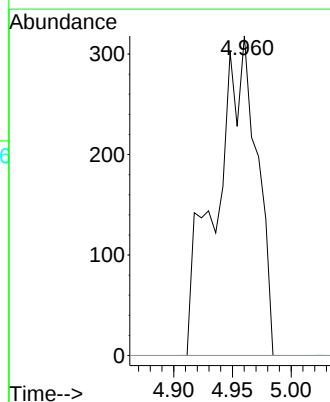
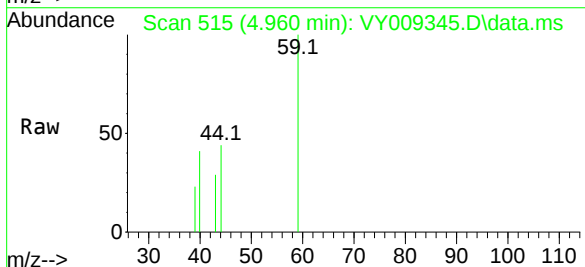
Instrument :
MSVOA_Y
ClientSampleId :
B2207-27.5

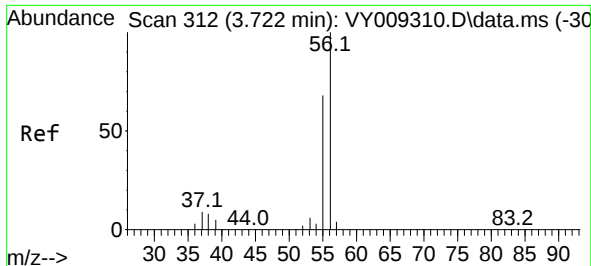
Tgt Ion:168 Resp: 137408
Ion Ratio Lower Upper
168 100
99 50.2 42.1 63.1



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. 0.012 min
Lab File: VY009345.D
Acq: 27 Jun 2022 16:08

Tgt Ion: 59 Resp: 773
Ion Ratio Lower Upper
59 100
57 0.0 6.3 9.5#





#13

Acrolein

Concen: 3.978 ug/l

RT: 3.930 min Scan# 34

Delta R.T. 0.207 min

Lab File: VY009345.D

Acq: 27 Jun 2022 16:08

Instrument :

MSVOA_Y

ClientSampleId :

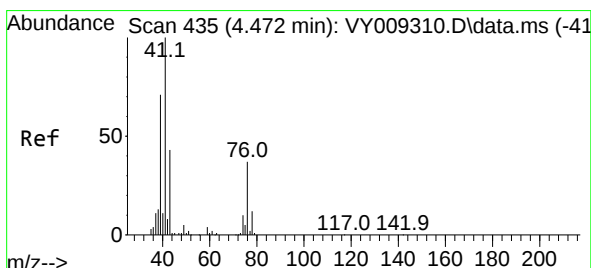
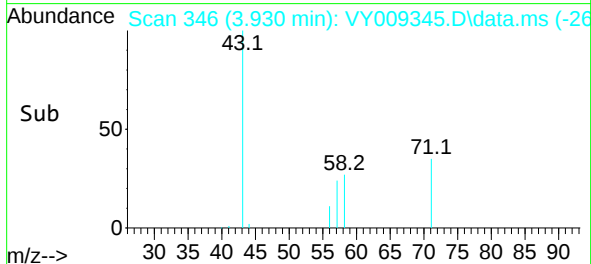
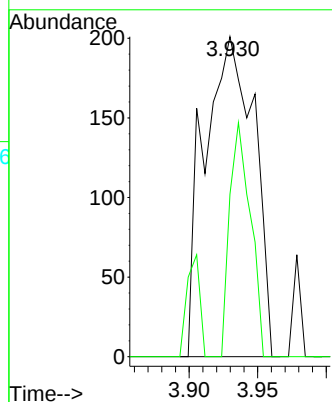
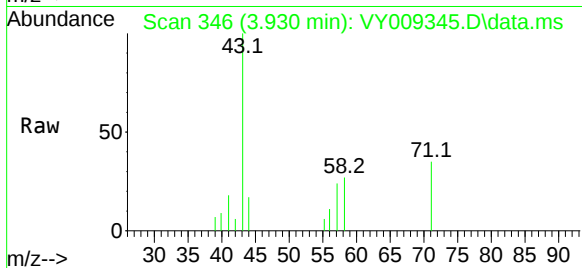
B2207-27.5

Tgt Ion: 56 Resp: 506

Ion Ratio Lower Upper

56 100

55 30.6 54.8 82.2#



#14

Allyl chloride

Concen: 1.036 ug/l

RT: 4.686 min Scan# 470

Delta R.T. 0.213 min

Lab File: VY009345.D

Acq: 27 Jun 2022 16:08

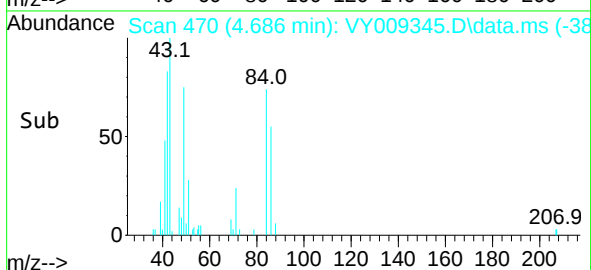
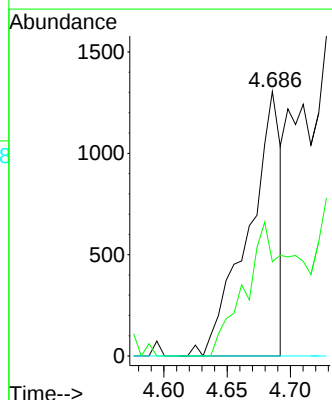
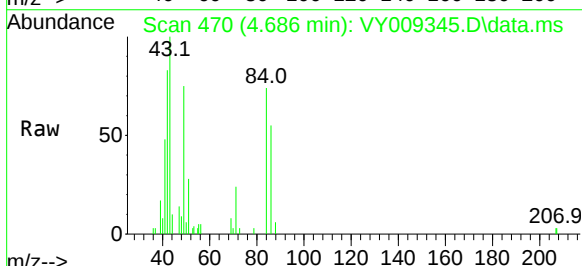
Tgt Ion: 41 Resp: 2331

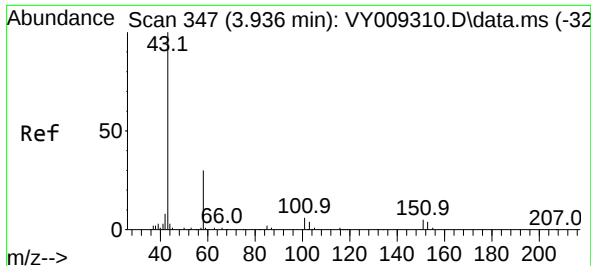
Ion Ratio Lower Upper

41 100

39 59.3 53.5 80.3

76 0.0 29.4 44.0#

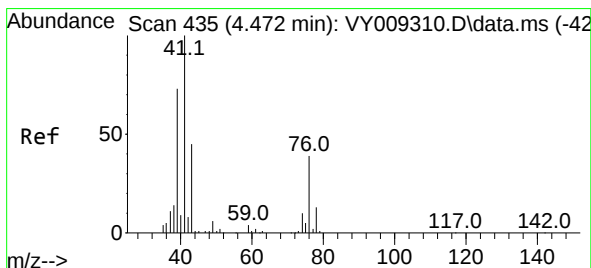
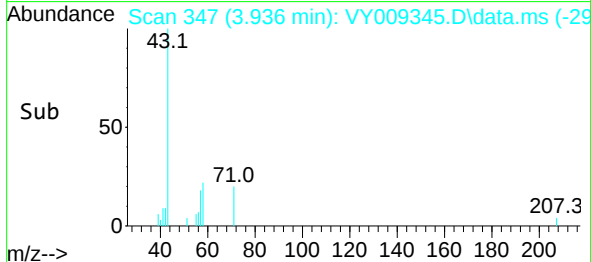
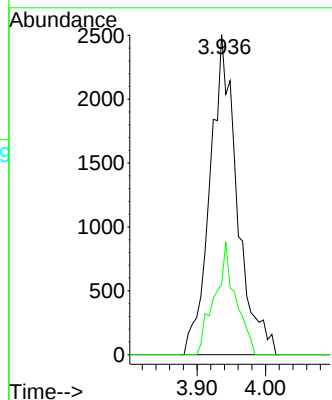
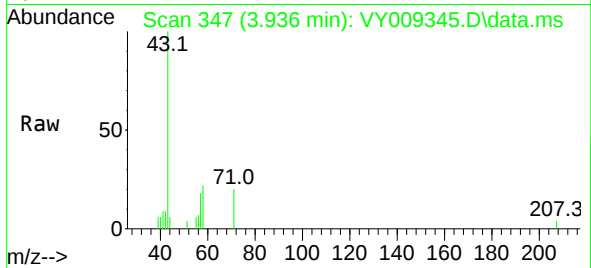




#16
Acetone
Concen: 19.636 ug/l
RT: 3.936 min Scan# 347
Delta R.T. 0.000 min
Lab File: VY009345.D
Acq: 27 Jun 2022 16:08

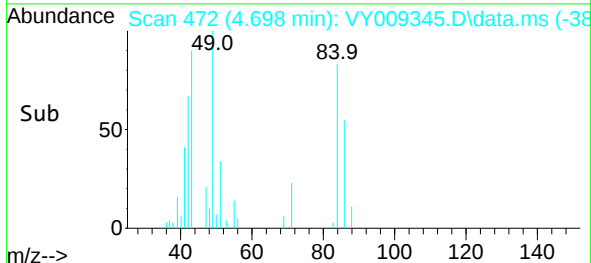
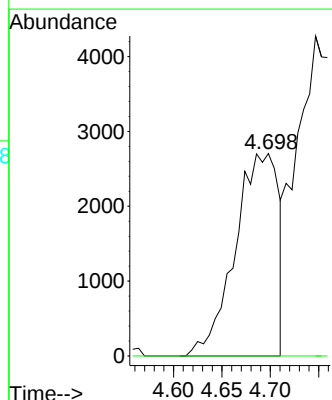
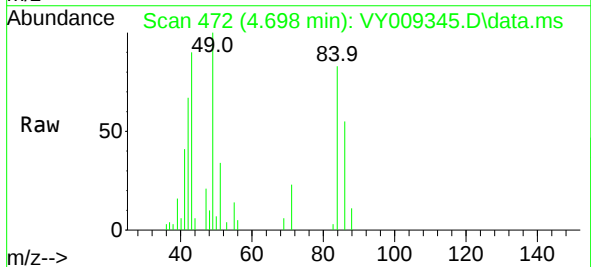
Instrument :
MSVOA_Y
ClientSampleId :
B2207-27.5

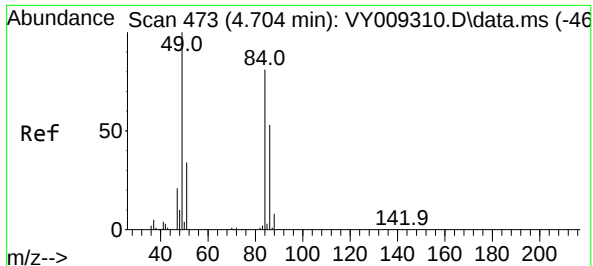
Tgt Ion: 43 Resp: 6898
Ion Ratio Lower Upper
43 100
58 22.0 24.0 36.0#



#18
Methyl Acetate
Concen: 8.651 ug/l
RT: 4.698 min Scan# 472
Delta R.T. 0.226 min
Lab File: VY009345.D
Acq: 27 Jun 2022 16:08

Tgt Ion: 43 Resp: 8461
Ion Ratio Lower Upper
43 100
74 0.0 18.8 28.2#

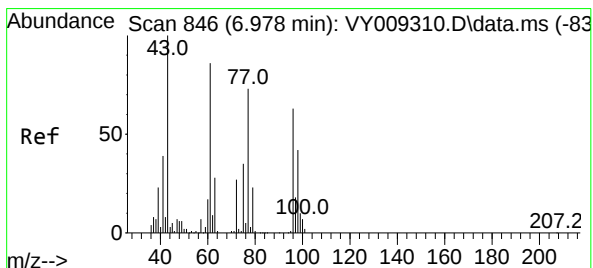
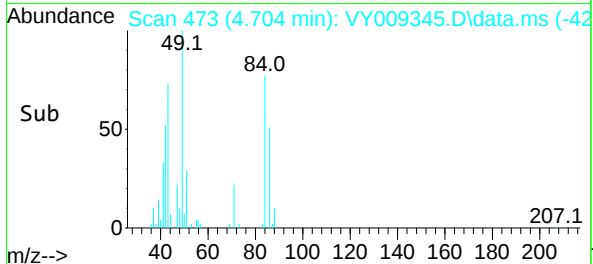
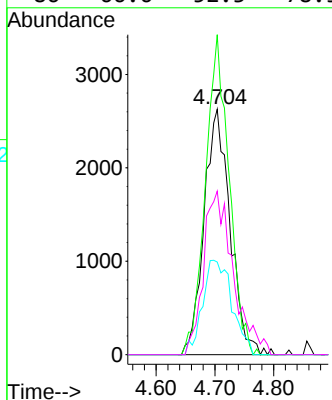
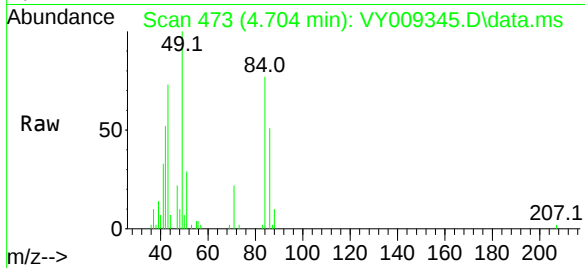




#20
Methylene Chloride
Concen: 2.079 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY009345.D
Acq: 27 Jun 2022 16:08

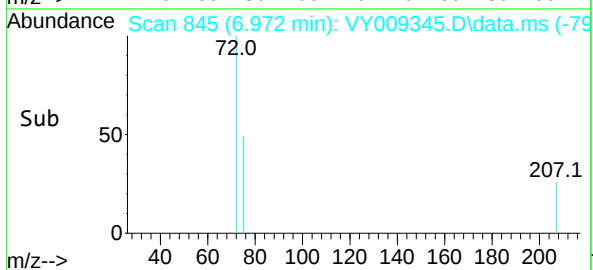
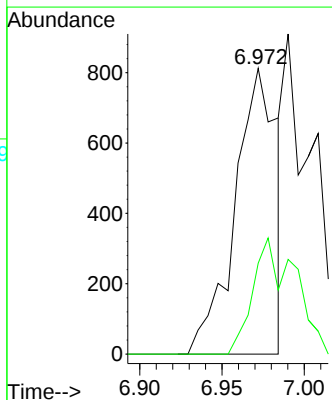
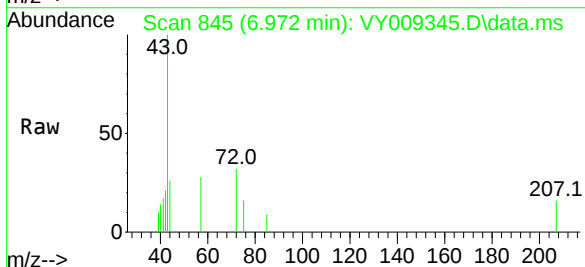
Instrument :
MSVOA_Y
ClientSampleId :
B2207-27.5

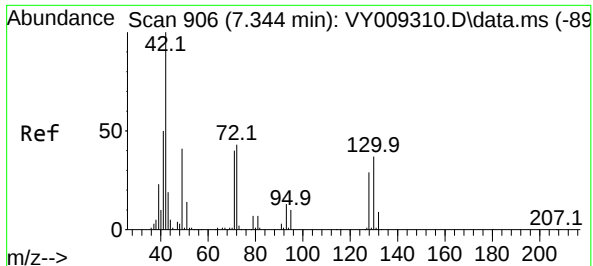
Tgt Ion:	84	Resp:	8093
Ion	Ratio	Lower	Upper
84	100		
49	130.4	98.2	147.4
51	37.7	33.4	50.0
86	66.6	52.3	78.5



#25
2-Butanone
Concen: 2.707 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY009345.D
Acq: 27 Jun 2022 16:08

Tgt Ion:	43	Resp:	1430
Ion	Ratio	Lower	Upper
43	100		
72	31.8	21.5	32.3





#29

Tetrahydrofuran

Concen: 1.318 ug/l

RT: 7.338 min Scan# 906

Delta R.T. -0.006 min

Lab File: VY009345.D

Acq: 27 Jun 2022 16:08

Instrument :

MSVOA_Y

ClientSampleId :

B2207-27.5

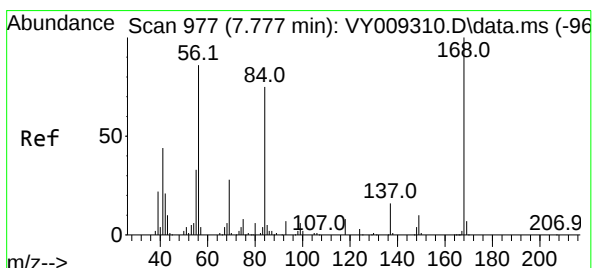
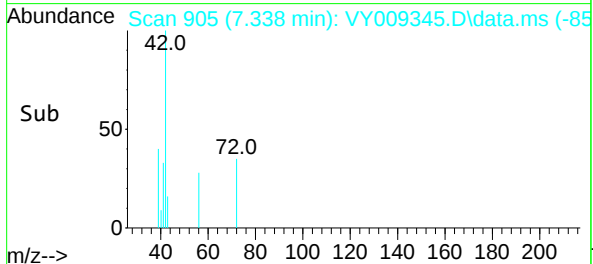
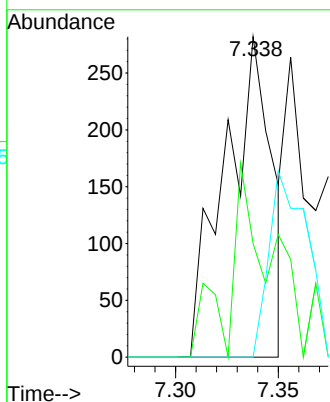
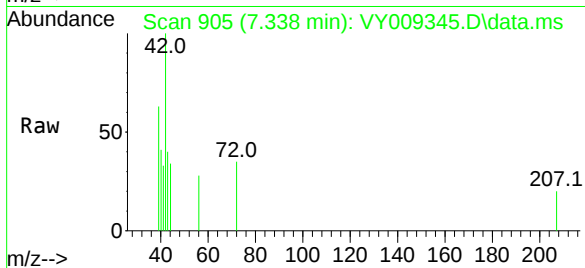
Tgt Ion: 42 Resp: 447

Ion Ratio Lower Upper

42 100

72 58.6 34.6 52.0#

71 46.8 32.7 49.1



#31

Cyclohexane

Concen: 1.614 ug/l

RT: 7.777 min Scan# 977

Delta R.T. 0.000 min

Lab File: VY009345.D

Acq: 27 Jun 2022 16:08

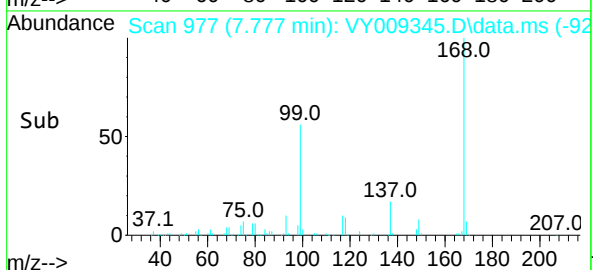
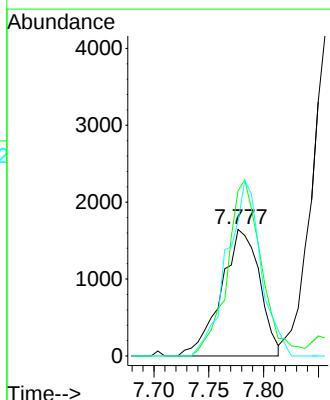
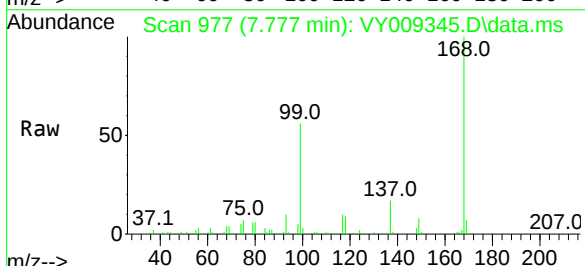
Tgt Ion: 56 Resp: 4011

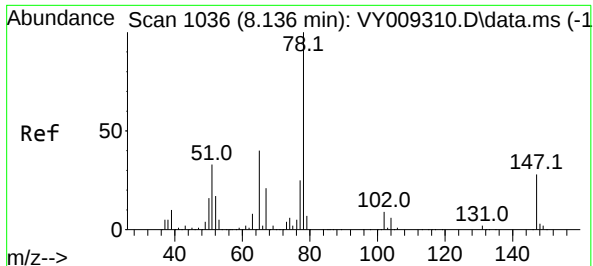
Ion Ratio Lower Upper

56 100

69 130.5 26.0 39.0#

84 106.5 69.5 104.3#





#33

1,2-Dichloroethane-d4

Concen: 57.916 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY009345.D

Acq: 27 Jun 2022 16:08

Instrument :

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ClientSampleId :

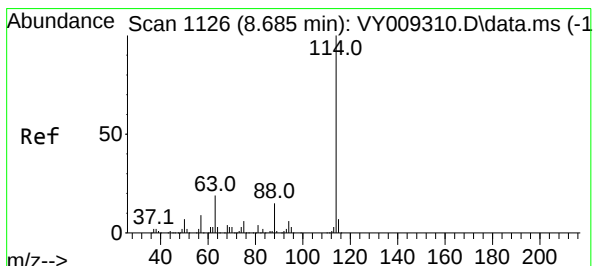
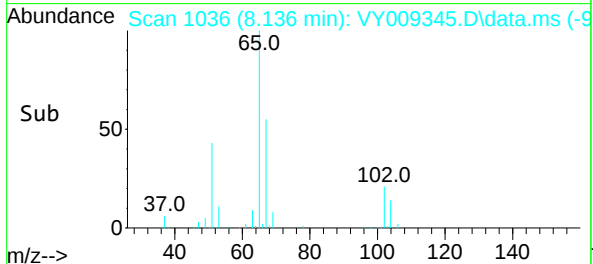
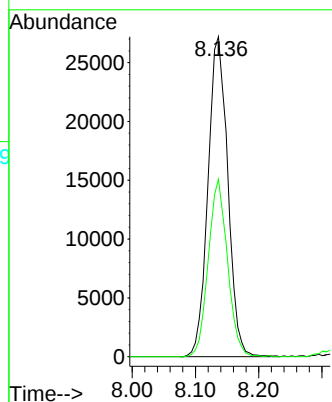
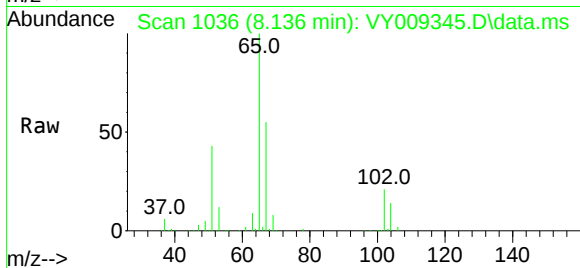
B2207-27.5

Tgt Ion: 65 Resp: 59184

Ion Ratio Lower Upper

65 100

67 53.8 0.0 108.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009345.D

Acq: 27 Jun 2022 16:08

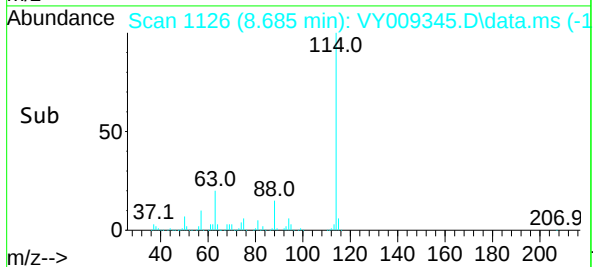
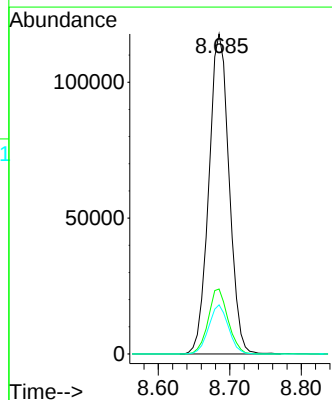
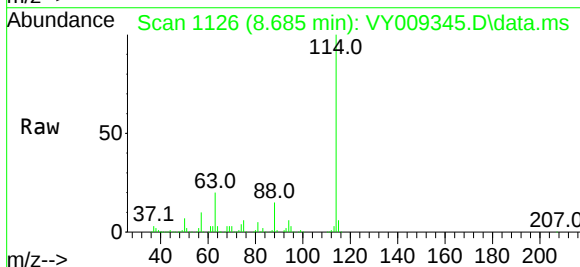
Tgt Ion: 114 Resp: 231345

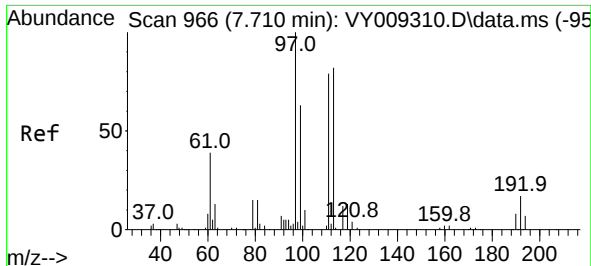
Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.0

88 15.3 0.0 30.0

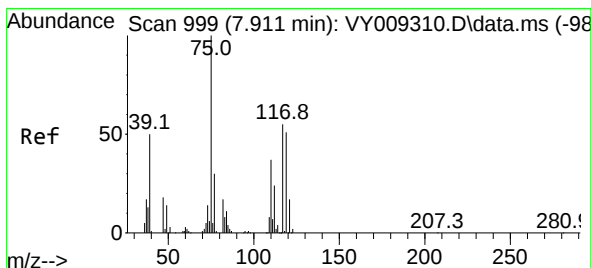
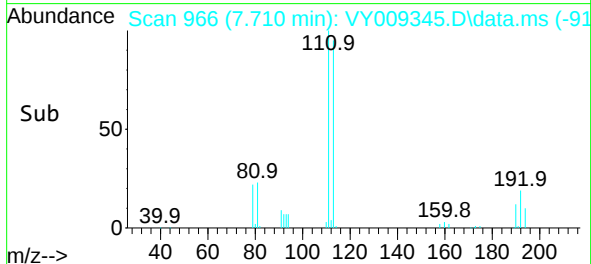
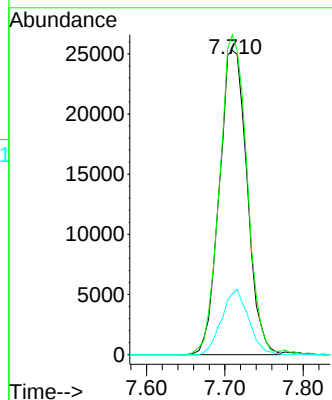
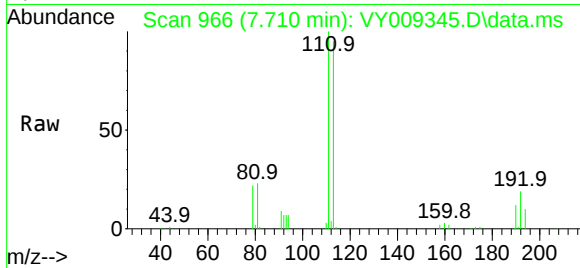




#35
Dibromofluoromethane
Concen: 49.825 ug/l
RT: 7.710 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY009345.D
Acq: 27 Jun 2022 16:08

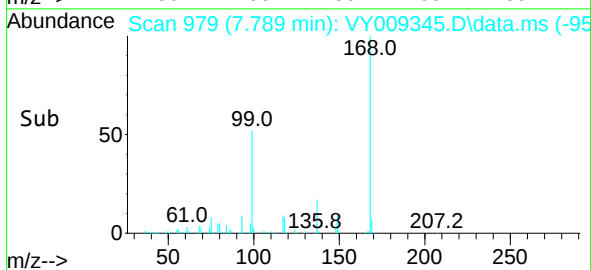
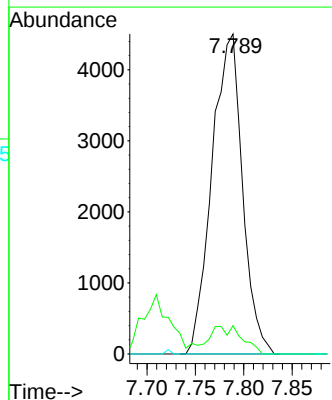
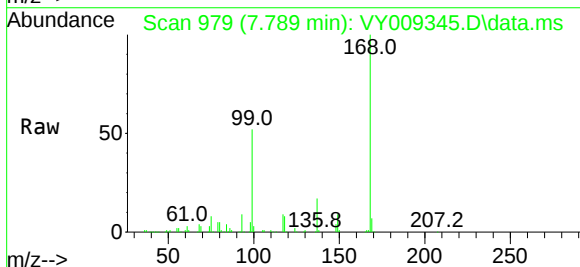
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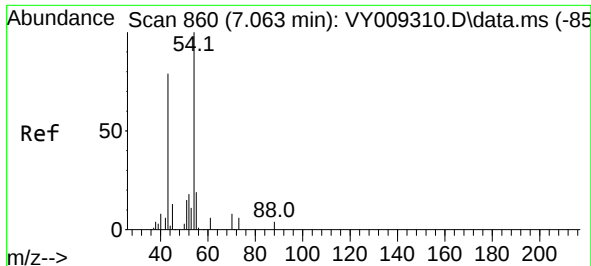
Tgt Ion:113 Resp: 62217
Ion Ratio Lower Upper
113 100
111 103.8 80.6 120.8
192 20.7 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.710 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY009345.D
Acq: 27 Jun 2022 16:08

Tgt Ion: 75 Resp: 9870
Ion Ratio Lower Upper
75 100
110 9.2 18.6 56.0#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.201 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.091 min

Lab File: VY009345.D

Acq: 27 Jun 2022 16:08

Instrument :

MSVOA_Y

ClientSampleId :

B2207-27.5

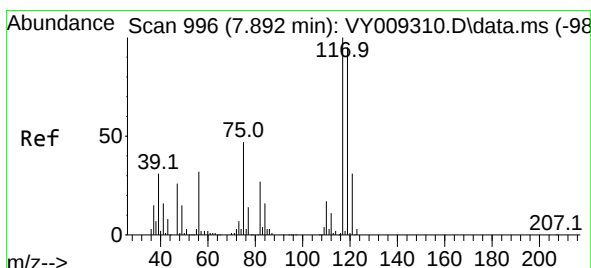
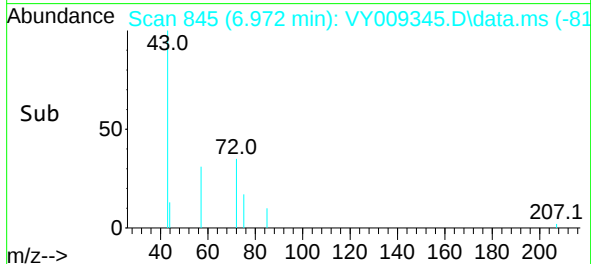
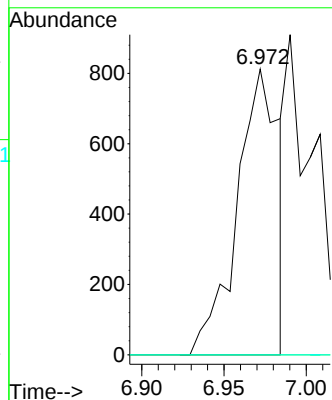
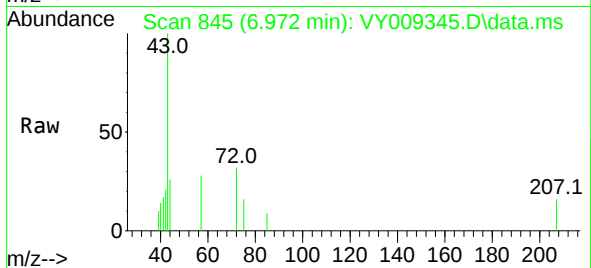
Tgt Ion: 43 Resp: 1430

Ion Ratio Lower Upper

43 100

61 0.0 11.2 16.8#

70 0.0 8.4 12.6#



#38

Carbon Tetrachloride

Concen: 6.081 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.110 min

Lab File: VY009345.D

Acq: 27 Jun 2022 16:08

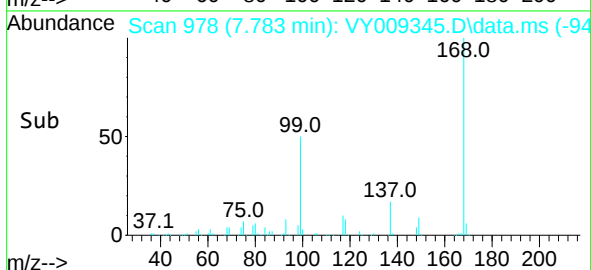
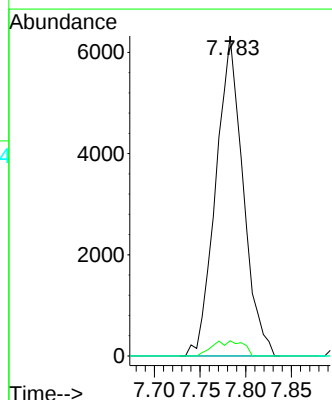
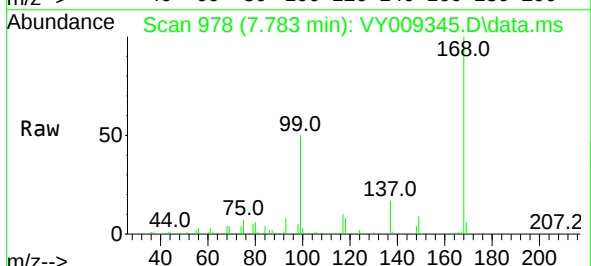
Tgt Ion: 117 Resp: 13104

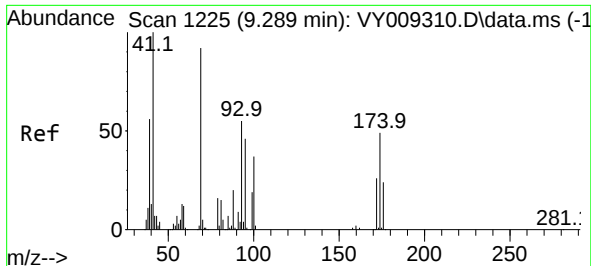
Ion Ratio Lower Upper

117 100

119 4.7 75.9 113.9#

121 0.0 24.9 37.3#

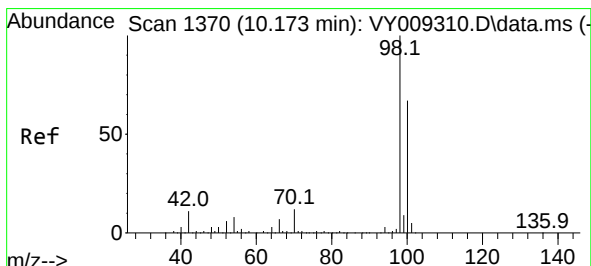
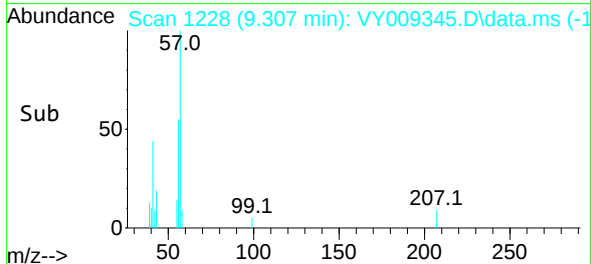
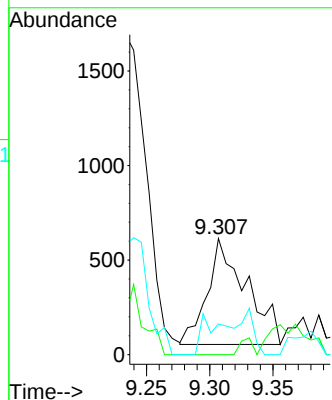
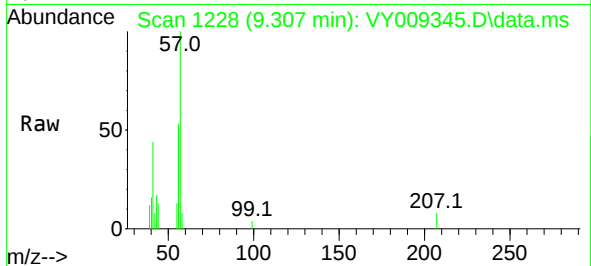




#48
Methyl methacrylate
Concen: 1.226 ug/l
RT: 9.307 min Scan# 1198
Delta R.T. 0.018 min
Lab File: VY009345.D
Acq: 27 Jun 2022 16:08

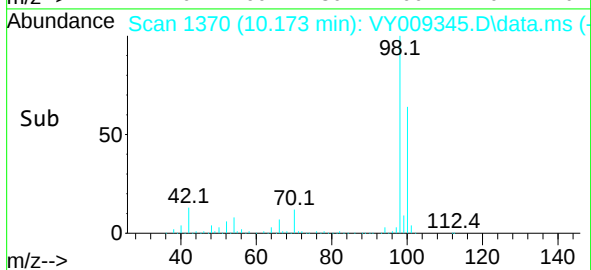
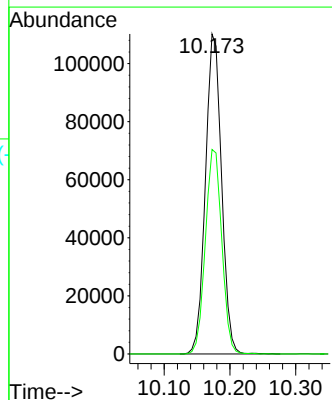
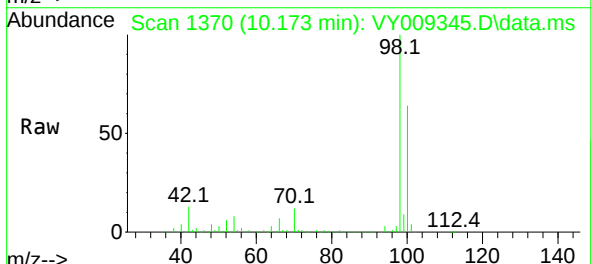
Instrument :
MSVOA_Y
ClientSampleId :
B2207-27.5

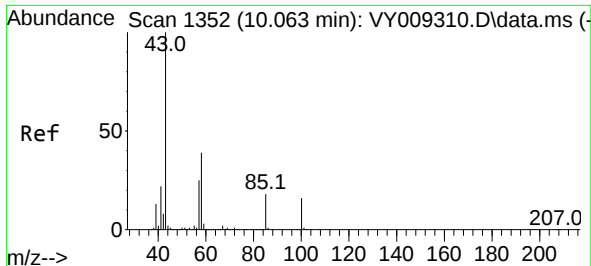
Tgt Ion: 41 Resp: 1198
Ion Ratio Lower Upper
41 100
69 0.0 73.2 109.8#
39 19.6 47.5 71.3#



#50
Toluene-d8
Concen: 51.763 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.000 min
Lab File: VY009345.D
Acq: 27 Jun 2022 16:08

Tgt Ion: 98 Resp: 187980
Ion Ratio Lower Upper
98 100
100 65.1 52.9 79.3

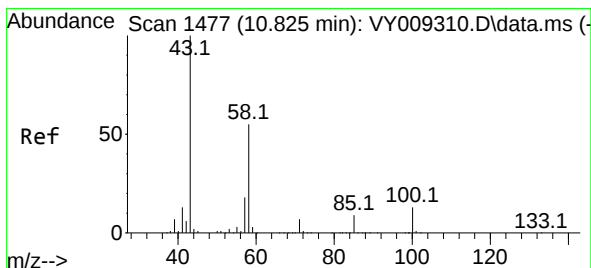
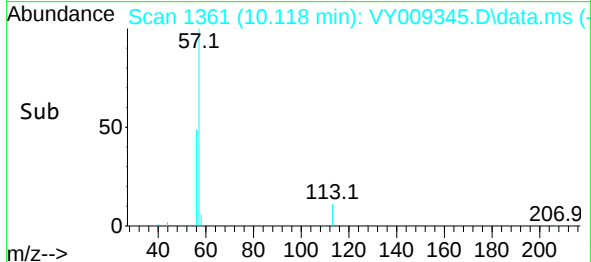
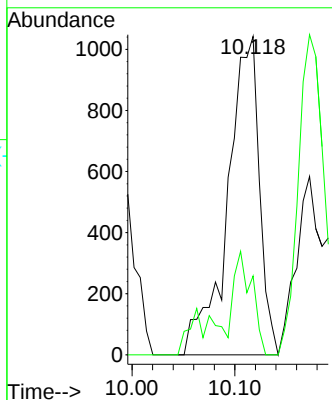
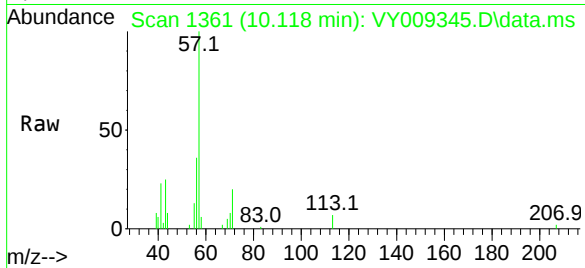




#51
4-Methyl-2-Pentanone
Concen: 2.012 ug/l
RT: 10.118 min Scan# 11
Delta R.T. 0.055 min
Lab File: VY009345.D
Acq: 27 Jun 2022 16:08

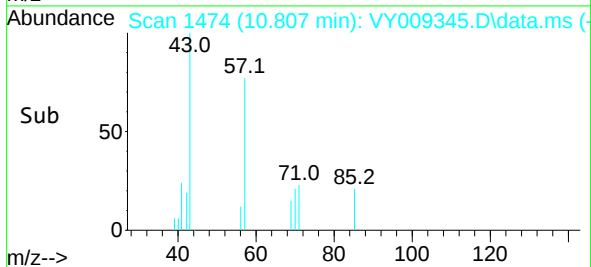
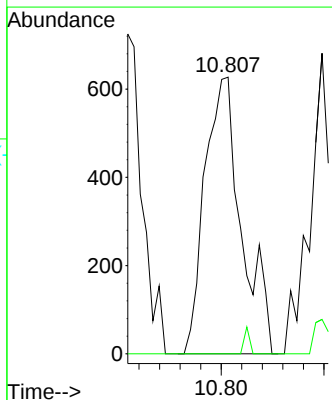
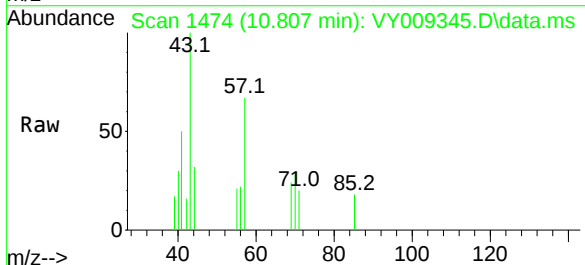
Instrument :
MSVOA_Y
ClientSampleId :
B2207-27.5

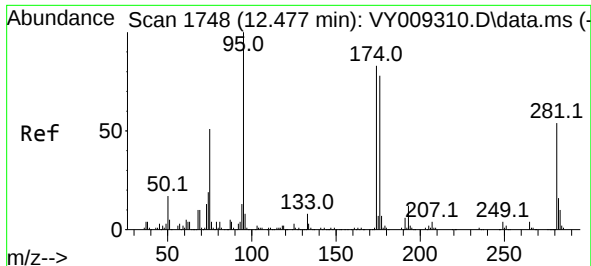
Tgt Ion: 43 Resp: 2235
Ion Ratio Lower Upper
43 100
58 18.7 31.5 47.3#



#59
2-Hexanone
Concen: 2.005 ug/l
RT: 10.807 min Scan# 1474
Delta R.T. -0.018 min
Lab File: VY009345.D
Acq: 27 Jun 2022 16:08

Tgt Ion: 43 Resp: 1549
Ion Ratio Lower Upper
43 100
58 1.4 27.6 82.8#

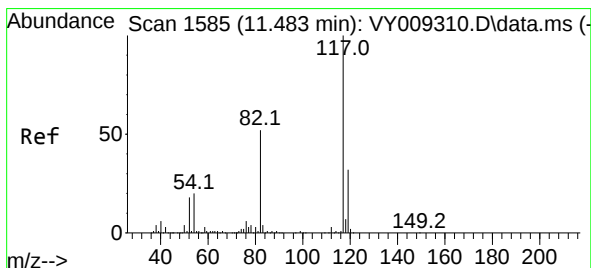
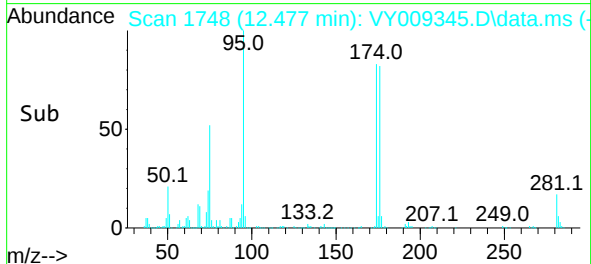
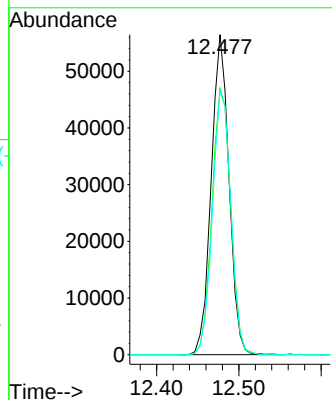
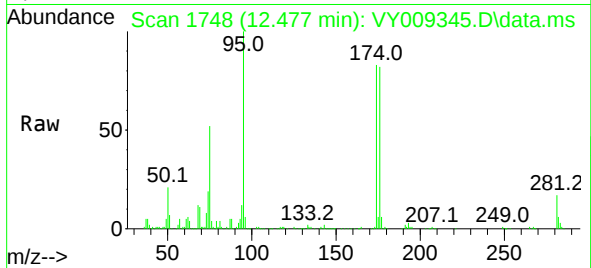




#62
4-Bromofluorobenzene
Concen: 47.614 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY009345.D
Acq: 27 Jun 2022 16:08

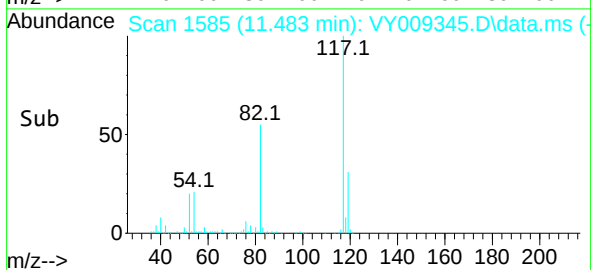
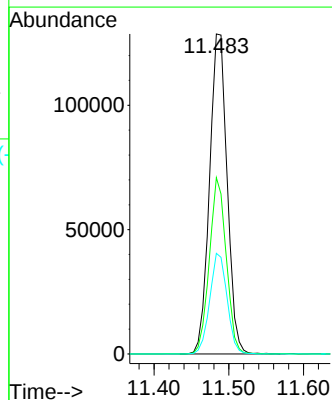
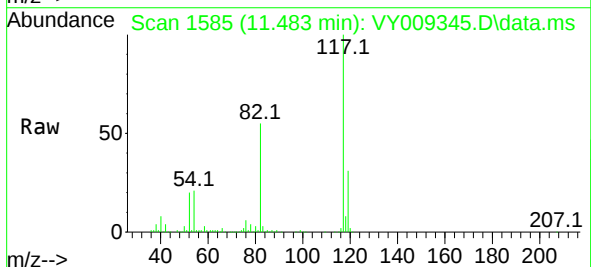
Instrument :
MSVOA_Y
ClientSampleId :
B2207-27.5

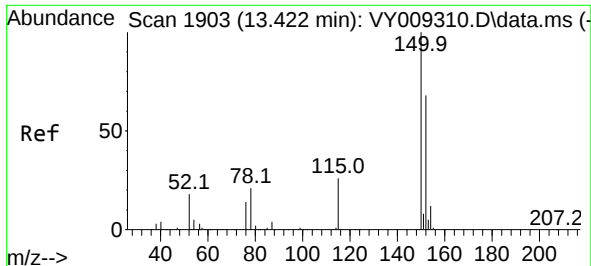
Tgt Ion: 95 Resp: 84677
Ion Ratio Lower Upper
95 100
174 87.7 0.0 173.8
176 85.3 0.0 167.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. 0.000 min
Lab File: VY009345.D
Acq: 27 Jun 2022 16:08

Tgt Ion: 117 Resp: 210253
Ion Ratio Lower Upper
117 100
82 55.1 41.8 62.6
119 31.5 25.6 38.4

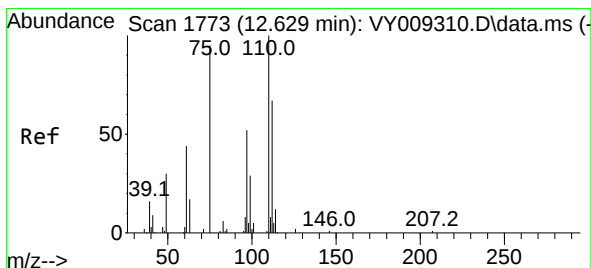
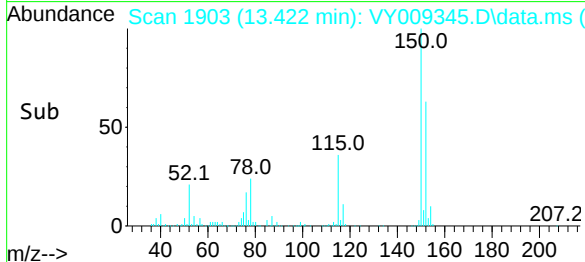
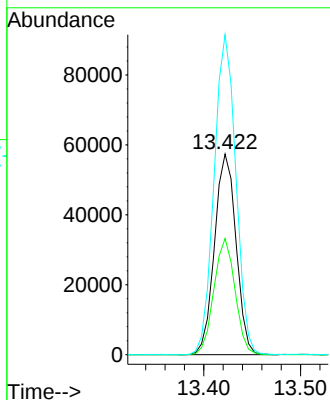
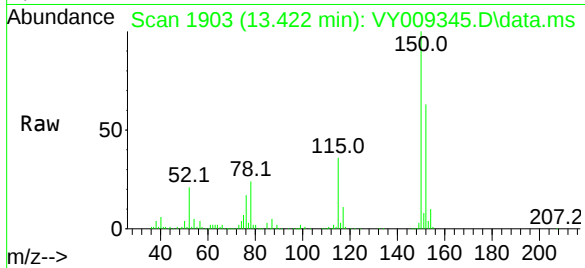




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY009345.D
 Acq: 27 Jun 2022 16:08

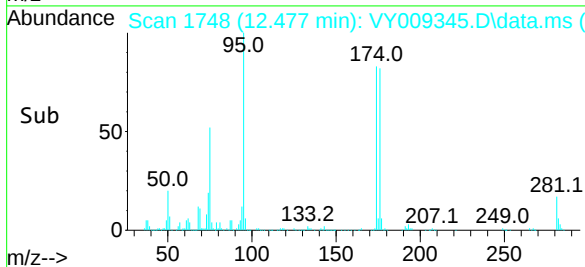
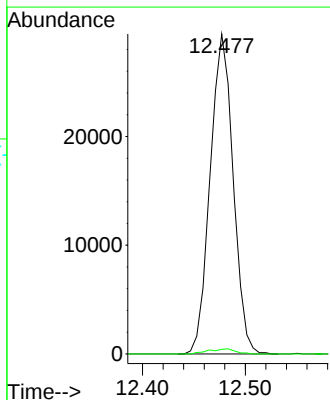
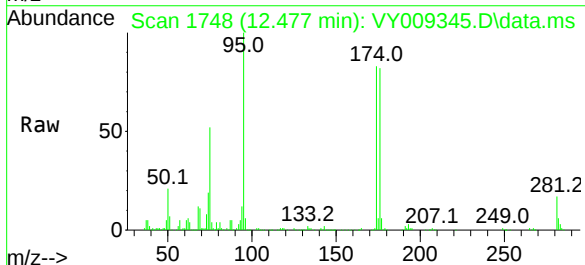
Instrument :
 MSVOA_Y
 ClientSampleId :
 B2207-27.5

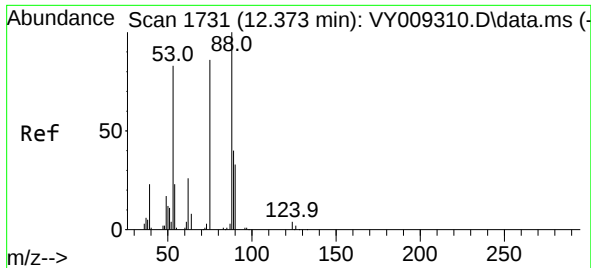
Tgt Ion:152 Resp: 88650
 Ion Ratio Lower Upper
 152 100
 115 56.8 28.6 85.9
 150 161.2 0.0 349.8



#76
 1,2,3-Trichloropropane
 Concen: 53.102 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY009345.D
 Acq: 27 Jun 2022 16:08

Tgt Ion: 75 Resp: 45682
 Ion Ratio Lower Upper
 75 100
 77 1.9 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 105.117 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY009345.D
 Acq: 27 Jun 2022 16:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 B2207-27.5

Tgt Ion: 75 Resp: 45682
 Ion Ratio Lower Upper
 75 100
 53 0.5 71.4 107.2#
 89 0.4 38.1 57.1#

