

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082522\
 Data File : VY010205.D
 Acq On : 25 Aug 2022 14:13
 Operator : KP/MD
 Sample : N4326-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-03-082322

Quant Time: Aug 26 06:46:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082422S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 26 06:12:05 2022
 Response via : Initial Calibration

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

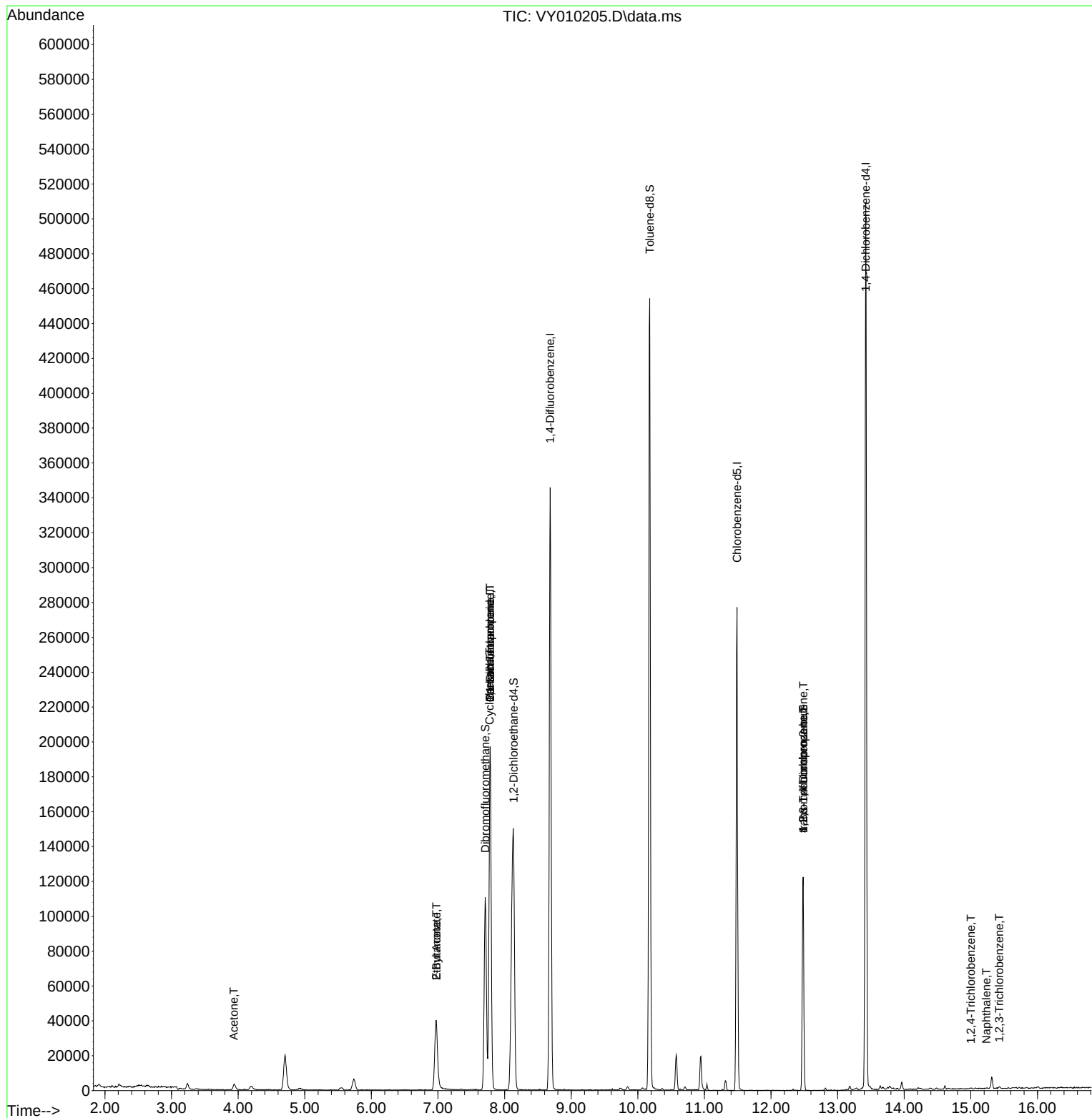
Internal Standards						
1) Pentafluorobenzene	7.783	168	155800	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	293689	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	139293	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	130959	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	83700	64.953	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 129.900%	
35) Dibromofluoromethane	7.710	113	79664	41.371	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 82.740%	
50) Toluene-d8	10.179	98	298245	44.631	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 89.260%	
62) 4-Bromofluorobenzene	12.483	95	35001	13.672	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 27.340%#	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	1013	Below Cal		85
7) Trichlorofluoromethane	3.113	101	309	Below Cal		91
11) Tert butyl alcohol	4.936	59	935	Below Cal	#	77
16) Acetone	3.936	43	6077	14.367	ug/l	94
18) Methyl Acetate	4.466	43	354	Below Cal	#	69
25) 2-Butanone	6.978	43	2449	3.487	ug/l #	77
31) Cyclohexane	7.777	56	3100	1.167	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	12088	4.268	ug/l #	50
37) Ethyl Acetate	6.978	43	2449	1.353	ug/l #	1
38) Carbon Tetrachloride	7.783	117	14702	4.901	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	18390	12.750	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	18390	27.110	ug/l #	7
93) 1,2,4-Trichlorobenzene	15.001	180	182	4.650	ug/l #	88
95) Naphthalene	15.233	128	497	6.022	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.428	180	150	4.688	ug/l #	40

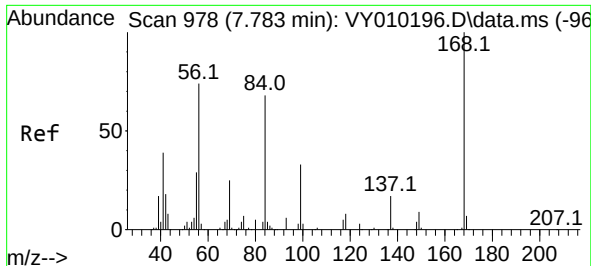
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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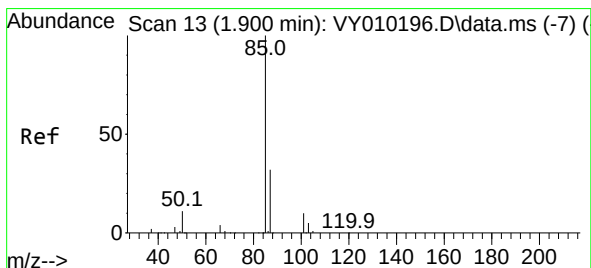
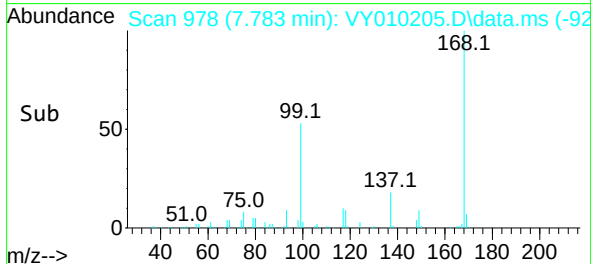
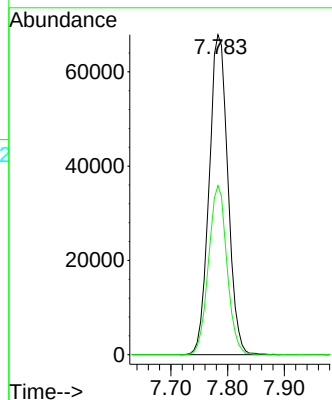
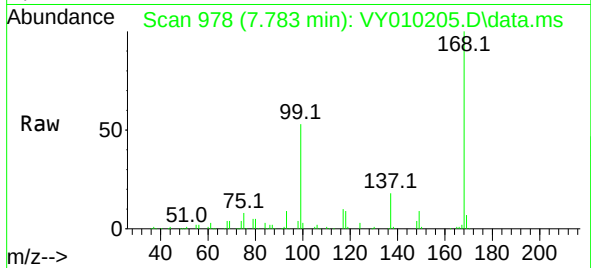




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010205.D
Acq: 25 Aug 2022 14:13

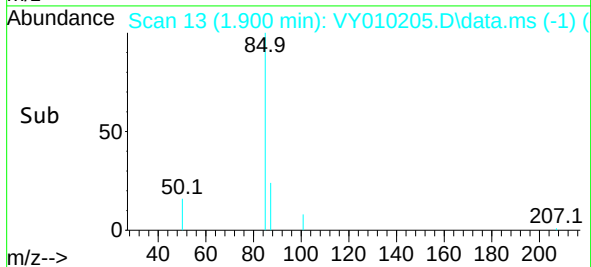
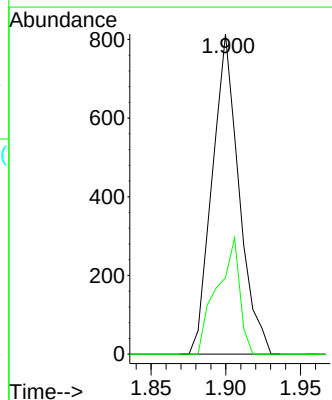
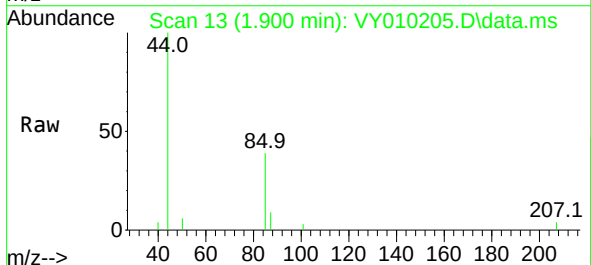
Instrument :
MSVOA_Y
ClientSampleId :
SU-03-082322

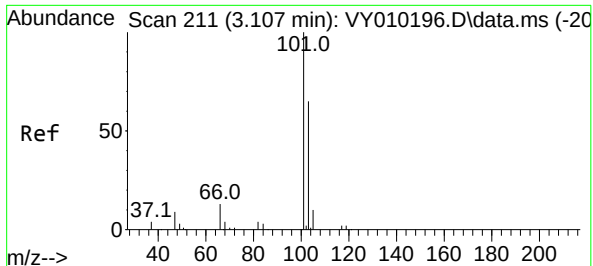
Tgt Ion:168 Resp: 155800
Ion Ratio Lower Upper
168 100
99 52.9 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010205.D
Acq: 25 Aug 2022 14:13

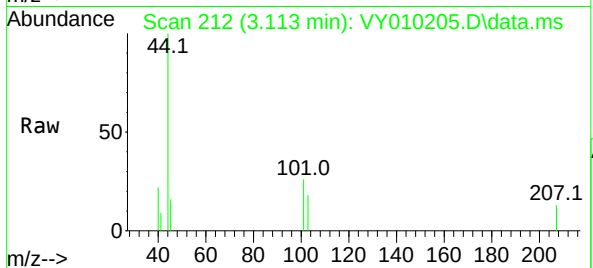
Tgt Ion: 85 Resp: 1013
Ion Ratio Lower Upper
85 100
87 23.8 16.1 48.2



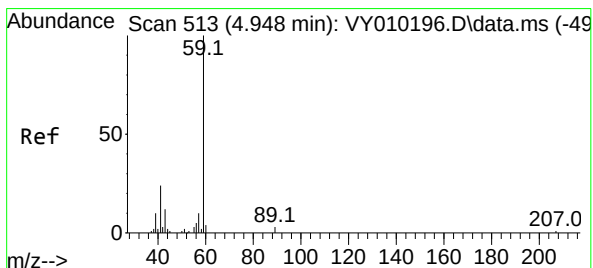
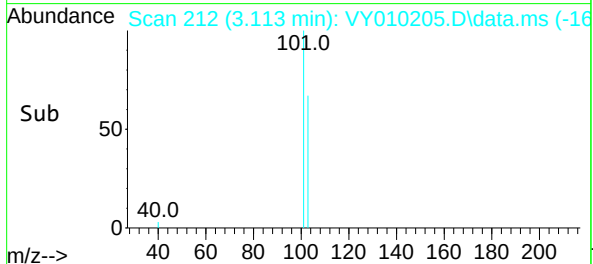
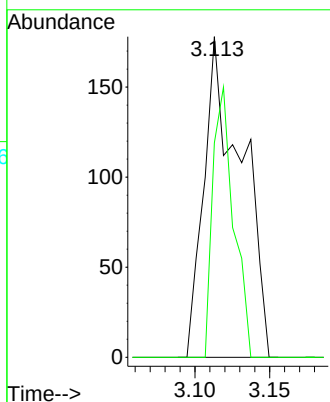


#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.113 min Scan# 211
Delta R.T. 0.006 min
Lab File: VY010205.D
Acq: 25 Aug 2022 14:13

Instrument :
MSVOA_Y
ClientSampleId :
SU-03-082322

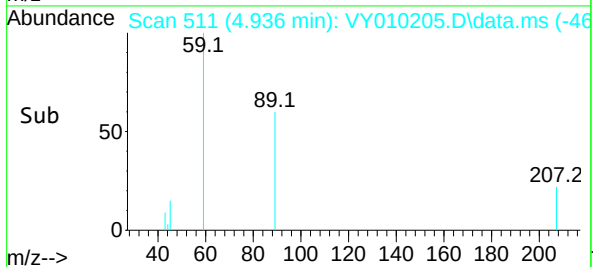
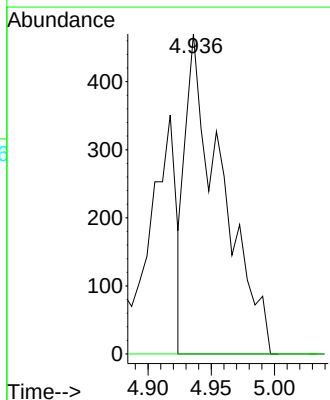
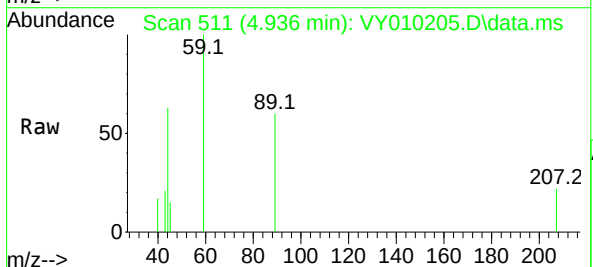


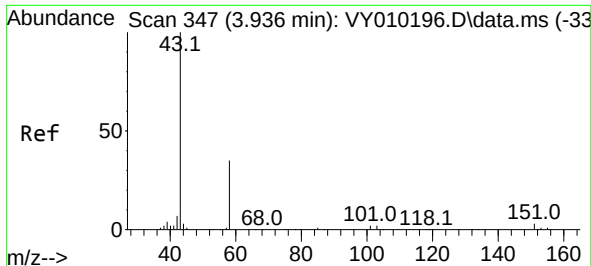
Tgt Ion:101 Resp: 309
Ion Ratio Lower Upper
101 100
103 66.9 48.0 72.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY010205.D
Acq: 25 Aug 2022 14:13

Tgt Ion: 59 Resp: 935
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 14.367 ug/l

RT: 3.936 min Scan# 34

Delta R.T. 0.000 min

Lab File: VY010205.D

Acq: 25 Aug 2022 14:13

Instrument :

MSVOA_Y

ClientSampleId :

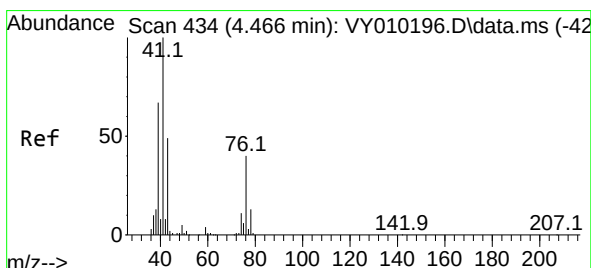
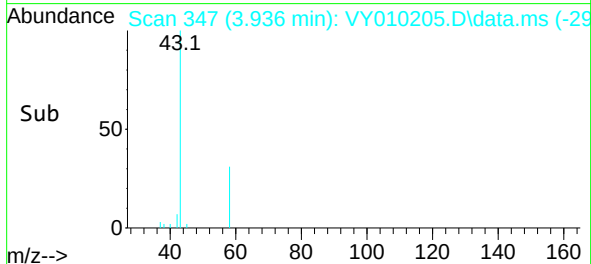
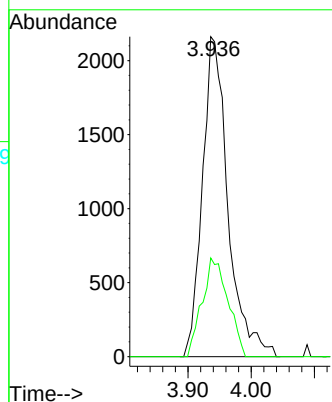
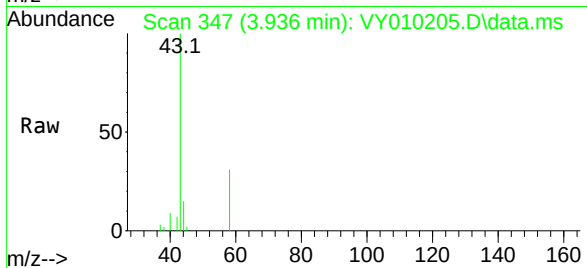
SU-03-082322

Tgt Ion: 43 Resp: 6077

Ion Ratio Lower Upper

43 100

58 30.9 22.0 33.0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.466 min Scan# 434

Delta R.T. 0.000 min

Lab File: VY010205.D

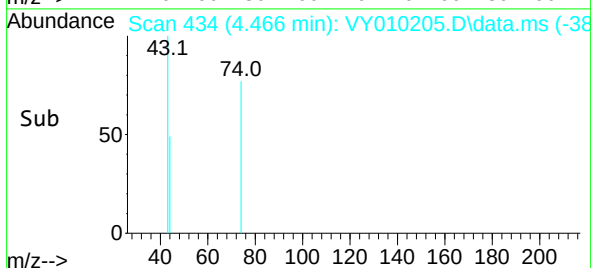
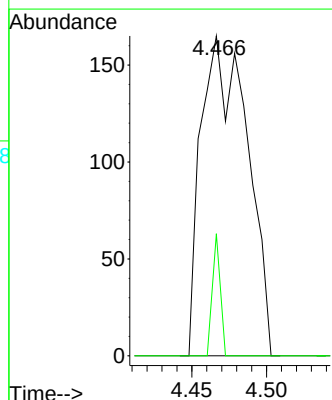
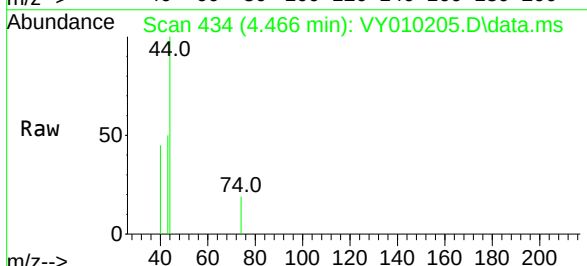
Acq: 25 Aug 2022 14:13

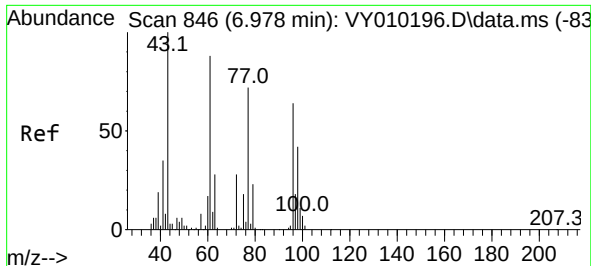
Tgt Ion: 43 Resp: 354

Ion Ratio Lower Upper

43 100

74 6.5 16.6 24.8#

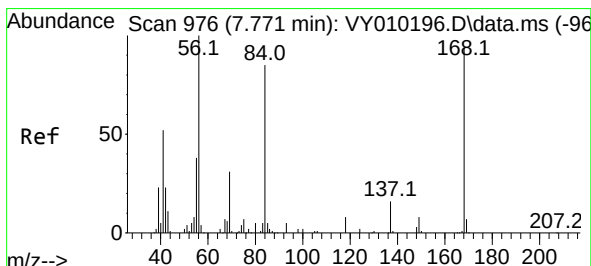
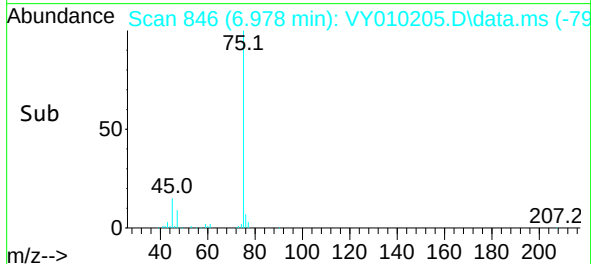
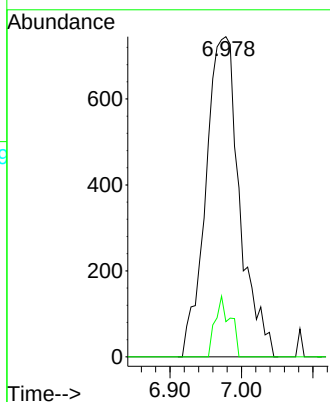
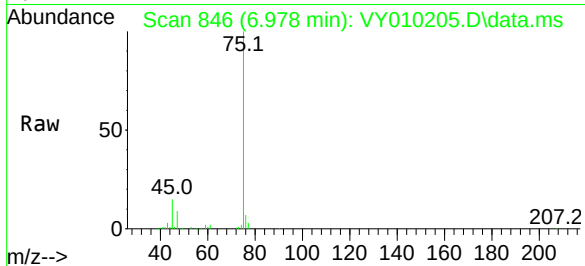




#25
2-Butanone
Concen: 3.487 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY010205.D
Acq: 25 Aug 2022 14:13

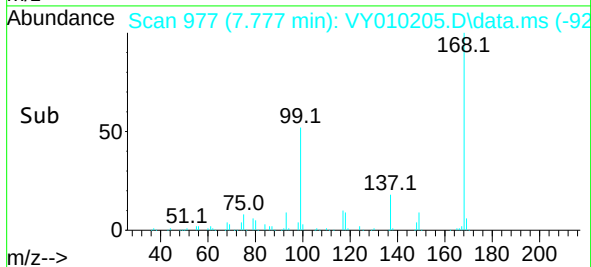
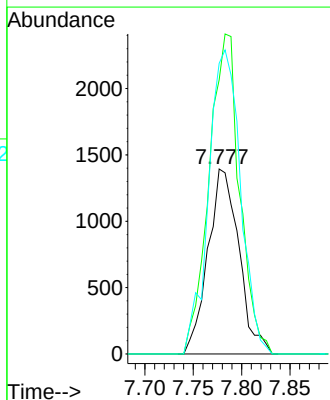
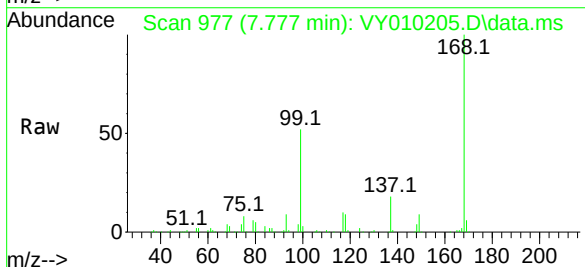
Instrument :
MSVOA_Y
ClientSampleId :
SU-03-082322

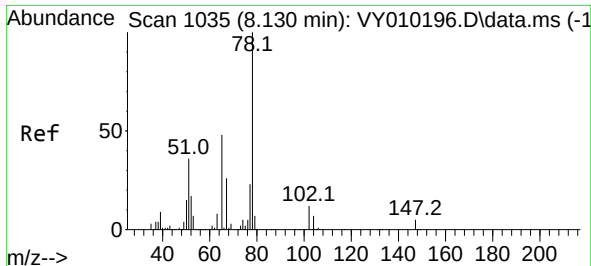
Tgt Ion: 43 Resp: 2449
Ion Ratio Lower Upper
43 100
72 11.0 17.7 26.5#



#31
Cyclohexane
Concen: 1.167 ug/l
RT: 7.777 min Scan# 977
Delta R.T. 0.006 min
Lab File: VY010205.D
Acq: 25 Aug 2022 14:13

Tgt Ion: 56 Resp: 3100
Ion Ratio Lower Upper
56 100
69 148.1 26.7 40.1#
84 157.0 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 64.953 ug/l

RT: 8.136 min Scan# 1035

Delta R.T. 0.006 min

Lab File: VY010205.D

Acq: 25 Aug 2022 14:13

Instrument :

MSVOA_Y

ClientSampleId :

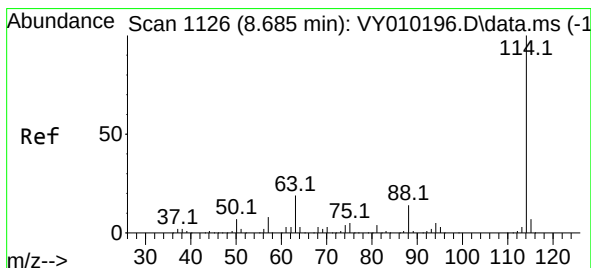
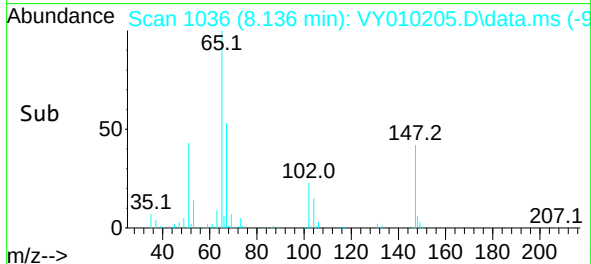
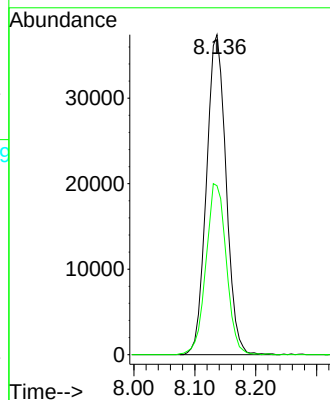
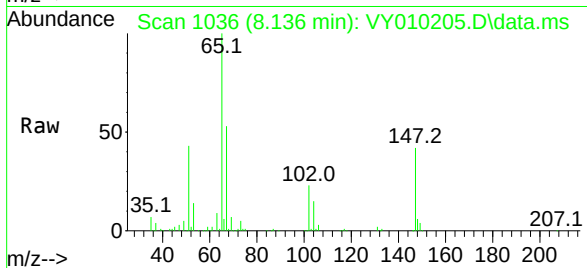
SU-03-082322

Tgt Ion: 65 Resp: 83700

Ion Ratio Lower Upper

65 100

67 55.4 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010205.D

Acq: 25 Aug 2022 14:13

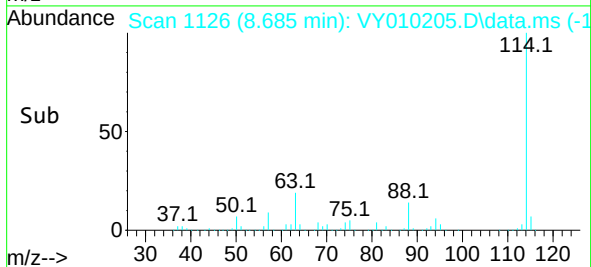
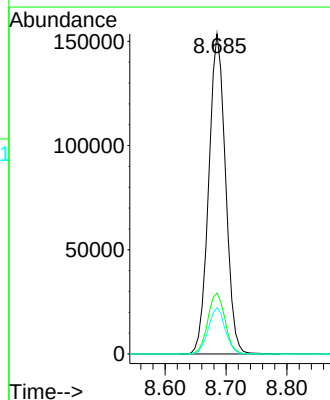
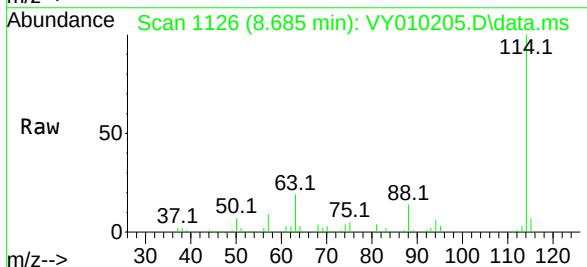
Tgt Ion: 114 Resp: 293689

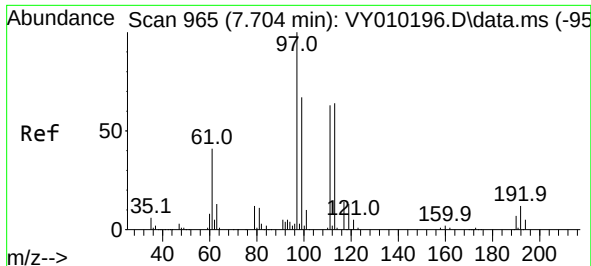
Ion Ratio Lower Upper

114 100

63 19.0 0.0 43.2

88 14.4 0.0 31.8

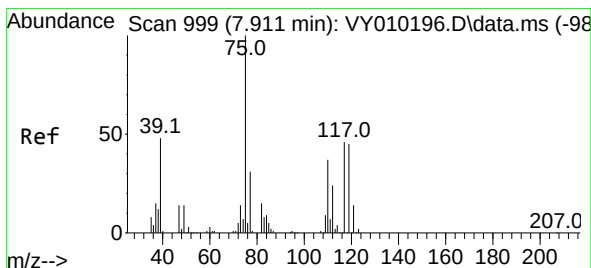
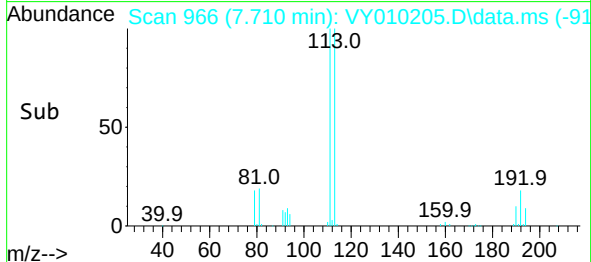
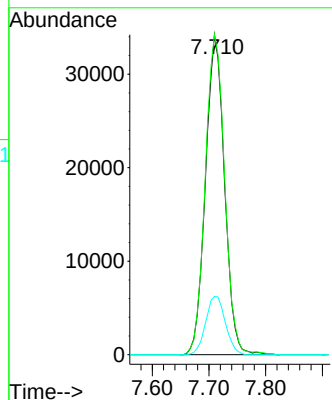
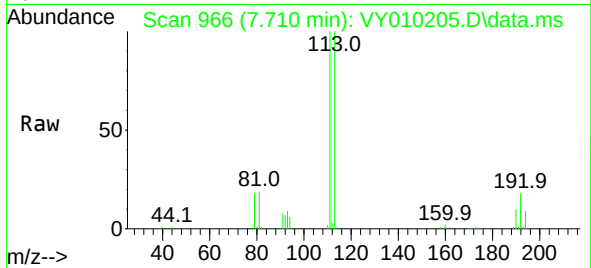




#35
Dibromofluoromethane
Concen: 41.371 ug/l
RT: 7.710 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY010205.D
Acq: 25 Aug 2022 14:13

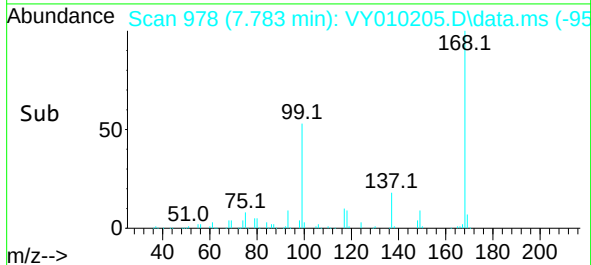
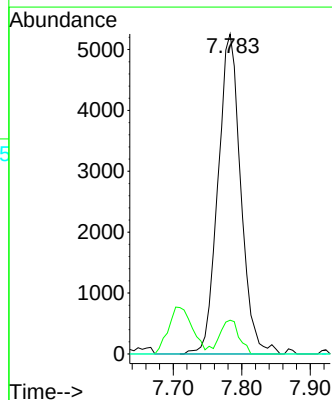
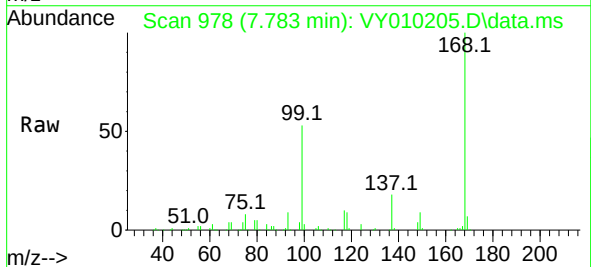
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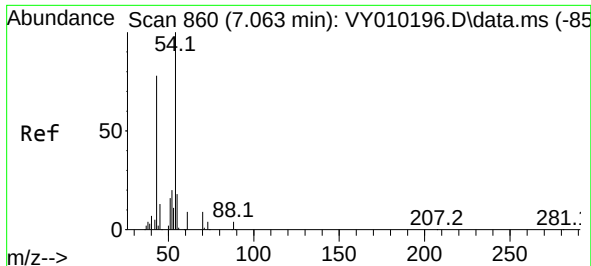
Tgt Ion:113 Resp: 79664
Ion Ratio Lower Upper
113 100
111 102.3 82.6 124.0
192 18.9 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.268 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010205.D
Acq: 25 Aug 2022 14:13

Tgt Ion: 75 Resp: 12088
Ion Ratio Lower Upper
75 100
110 8.6 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.353 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.085 min

Lab File: VY010205.D

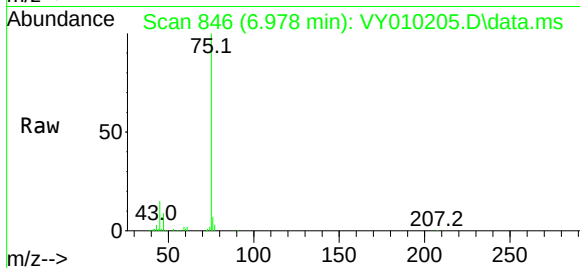
Acq: 25 Aug 2022 14:13

Instrument :

MSVOA_Y

ClientSampleId :

SU-03-082322



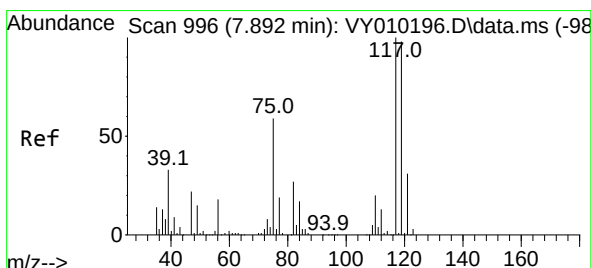
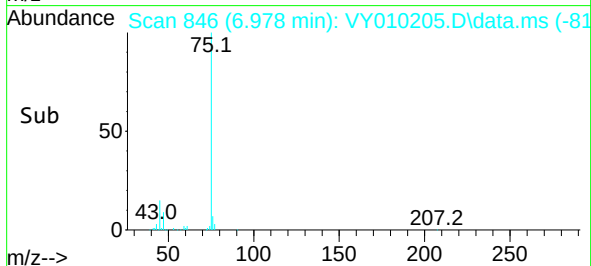
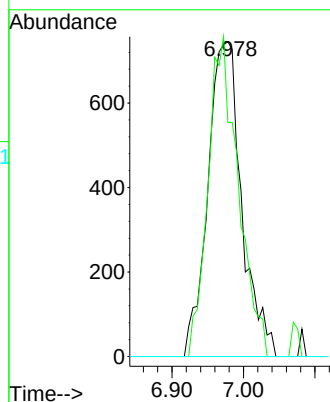
Tgt Ion: 43 Resp: 2449

Ion Ratio Lower Upper

43 100

61 90.6 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 4.901 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.109 min

Lab File: VY010205.D

Acq: 25 Aug 2022 14:13

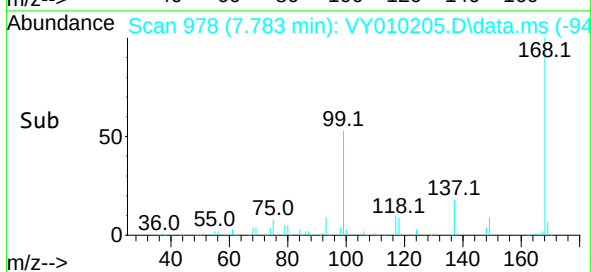
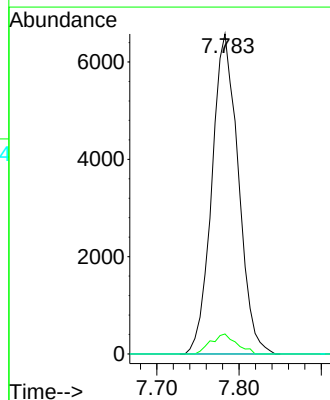
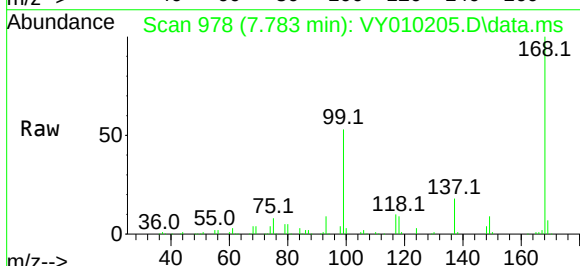
Tgt Ion: 117 Resp: 14702

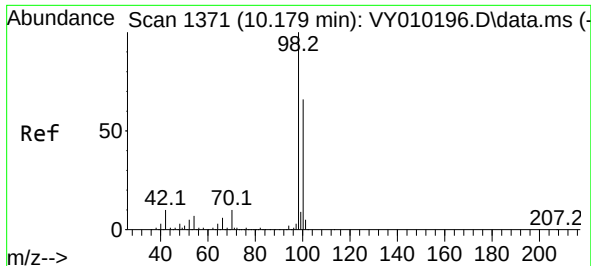
Ion Ratio Lower Upper

117 100

119 6.2 77.9 116.9#

121 0.0 24.8 37.2#

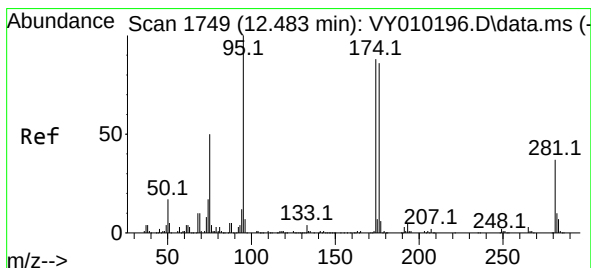
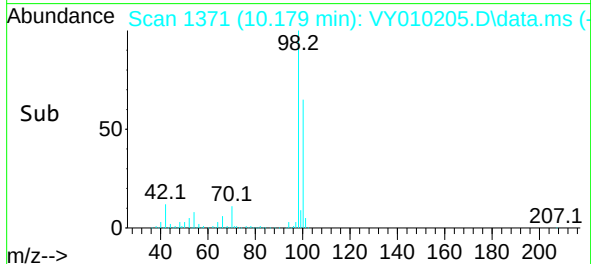
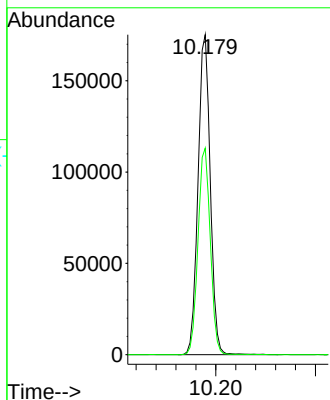
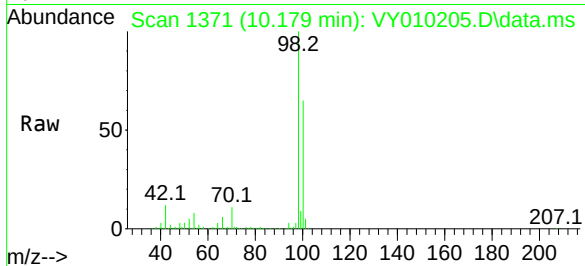




#50
Toluene-d8
Concen: 44.631 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010205.D
Acq: 25 Aug 2022 14:13

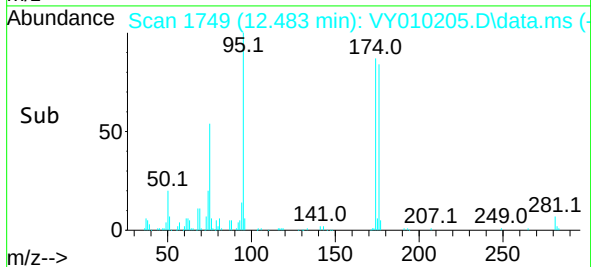
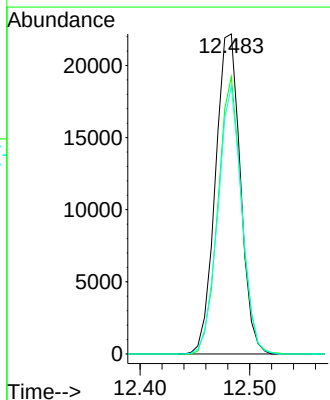
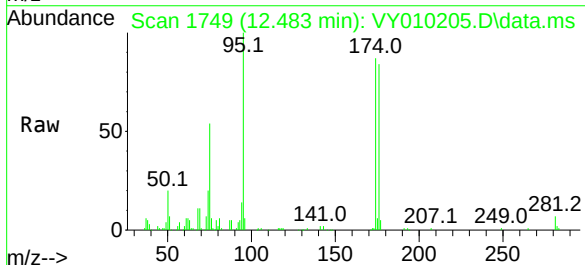
Instrument :
MSVOA_Y
ClientSampleId :
SU-03-082322

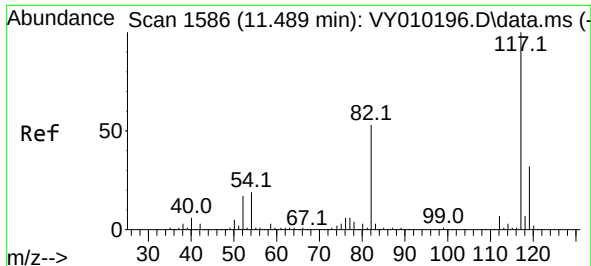
Tgt Ion: 98 Resp: 298245
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 13.672 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY010205.D
Acq: 25 Aug 2022 14:13

Tgt Ion: 95 Resp: 35001
Ion Ratio Lower Upper
95 100
174 81.5 0.0 177.0
176 80.2 0.0 175.8

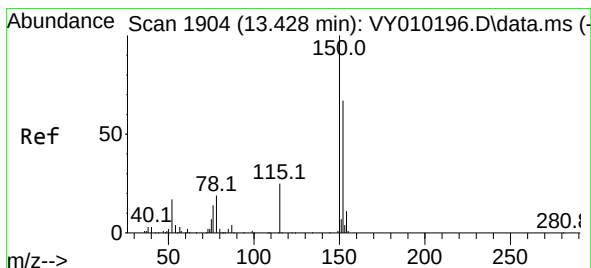
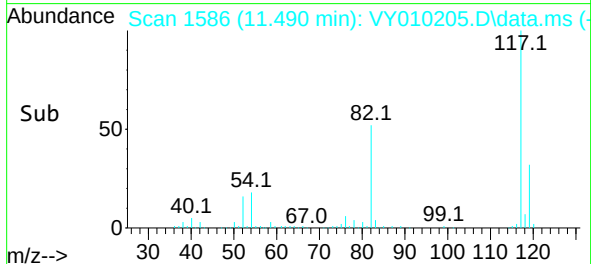
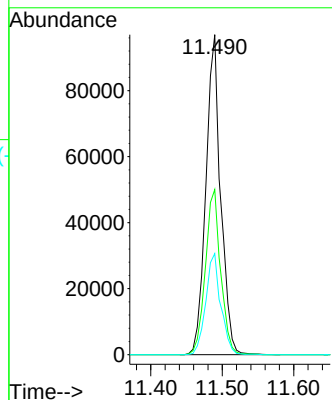
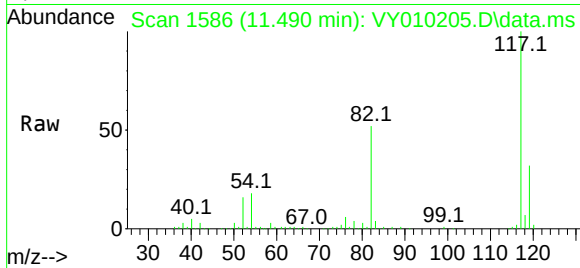




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.001 min
Lab File: VY010205.D
Acq: 25 Aug 2022 14:13

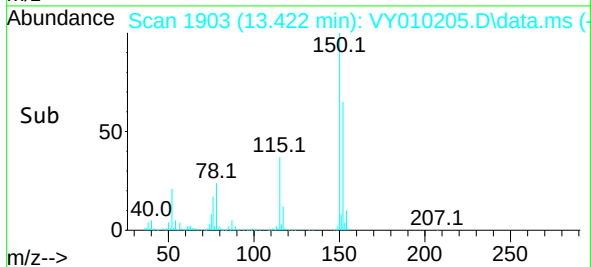
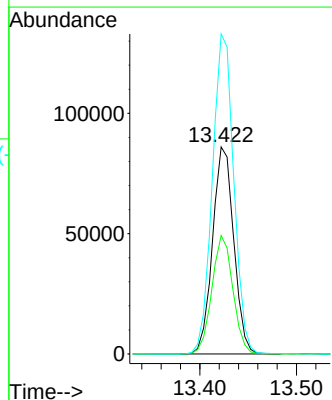
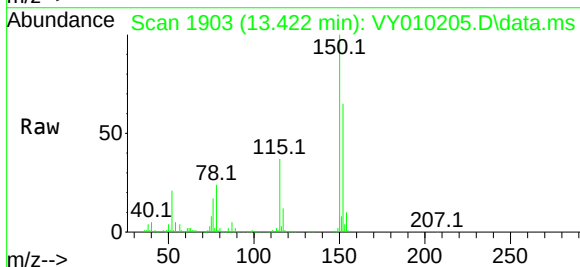
Instrument :
MSVOA_Y
ClientSampleId :
SU-03-082322

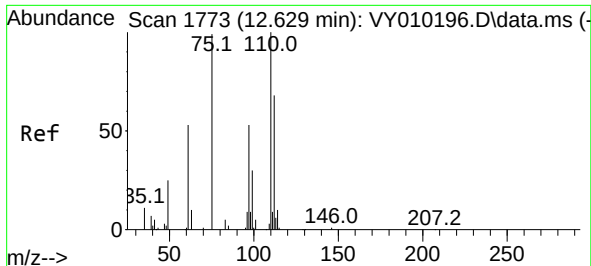
Tgt Ion:117 Resp: 139293
Ion Ratio Lower Upper
117 100
82 51.6 43.0 64.4
119 31.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY010205.D
Acq: 25 Aug 2022 14:13

Tgt Ion:152 Resp: 130959
Ion Ratio Lower Upper
152 100
115 56.6 28.2 84.7
150 156.0 0.0 347.6

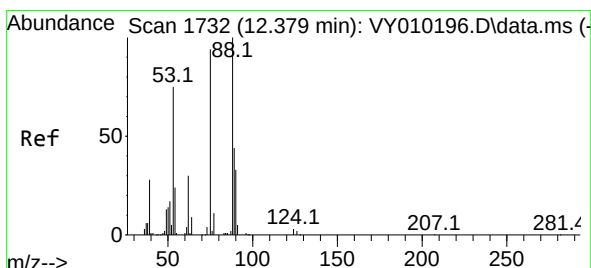
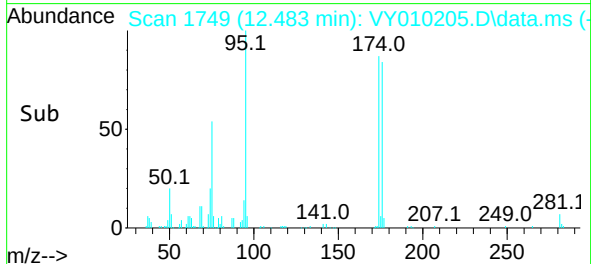
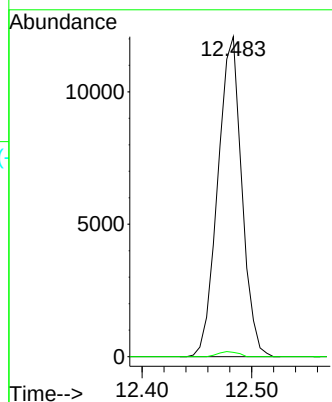
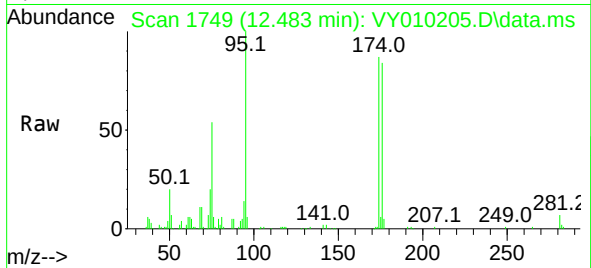




#76
1,2,3-Trichloropropane
Concen: 12.750 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY010205.D
Acq: 25 Aug 2022 14:13

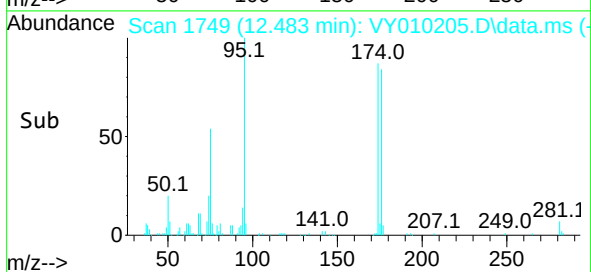
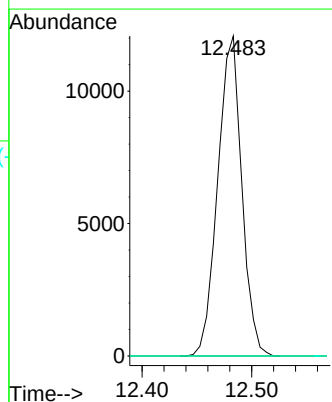
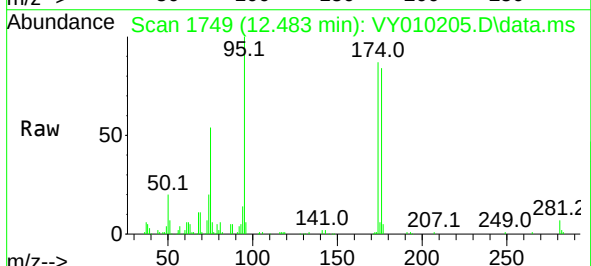
Instrument :
MSVOA_Y
ClientSampleId :
SU-03-082322

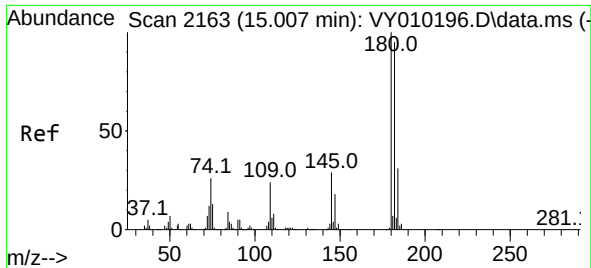
Tgt Ion: 75 Resp: 18390
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 27.110 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY010205.D
Acq: 25 Aug 2022 14:13

Tgt Ion: 75 Resp: 18390
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

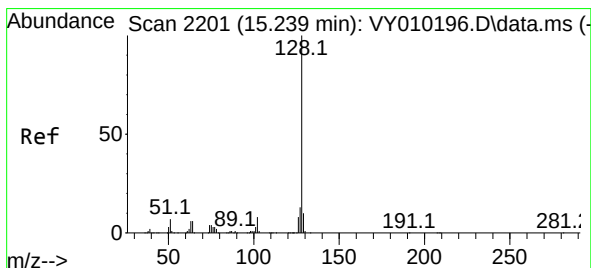
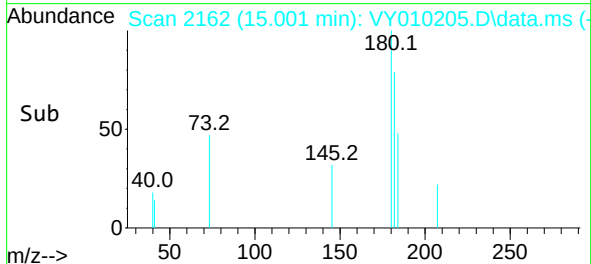
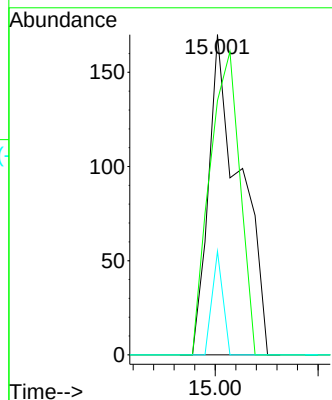
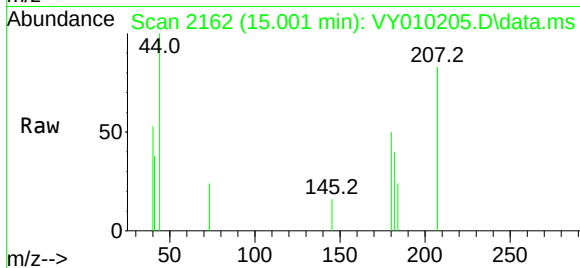




#93
1,2,4-Trichlorobenzene
Concen: 4.650 ug/l
RT: 15.001 min Scan# 2162
Delta R.T. -0.006 min
Lab File: VY010205.D
Acq: 25 Aug 2022 14:13

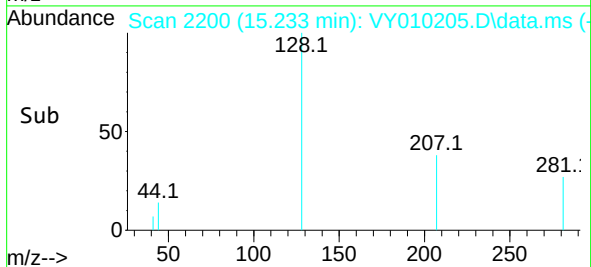
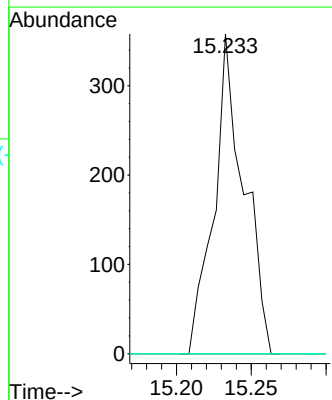
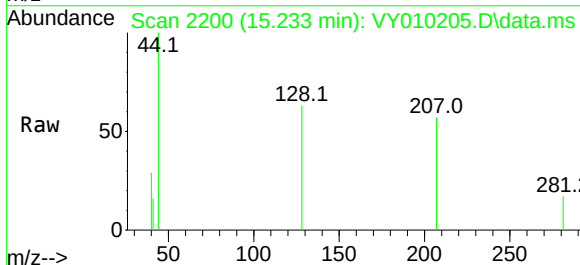
Instrument :
MSVOA_Y
ClientSampleId :
SU-03-082322

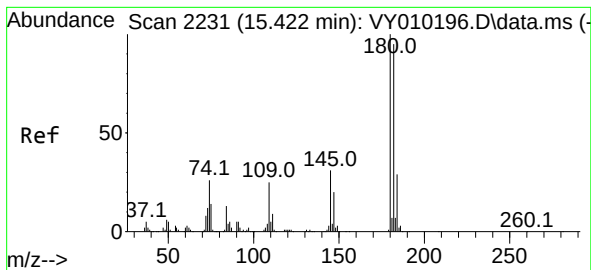
Tgt Ion:180 Resp: 182
Ion Ratio Lower Upper
180 100
182 90.1 47.3 141.9
145 11.0 14.6 43.8#



#95
Naphthalene
Concen: 6.022 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY010205.D
Acq: 25 Aug 2022 14:13

Tgt Ion:128 Resp: 497
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#





#96
 1,2,3-Trichlorobenzene
 Concen: 4.688 ug/l
 RT: 15.428 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY010205.D
 Acq: 25 Aug 2022 14:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-03-082322

Tgt Ion:180 Resp: 150
 Ion Ratio Lower Upper
 180 100
 182 154.0 47.3 141.9#
 145 0.0 15.3 45.9#

