

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092822\
 Data File : VY010715.D
 Acq On : 28 Sep 2022 14:43
 Operator : KP/MD
 Sample : N4844-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-04-092622

Quant Time: Sep 29 01:13:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	141056	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	255137	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	213153	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	85045	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	102710	76.128	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	152.260%
35) Dibromofluoromethane	7.716	113	100078	61.462	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	122.920%
50) Toluene-d8	10.179	98	258029	43.323	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	86.640%
62) 4-Bromofluorobenzene	12.477	95	89488	39.502	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	79.000%

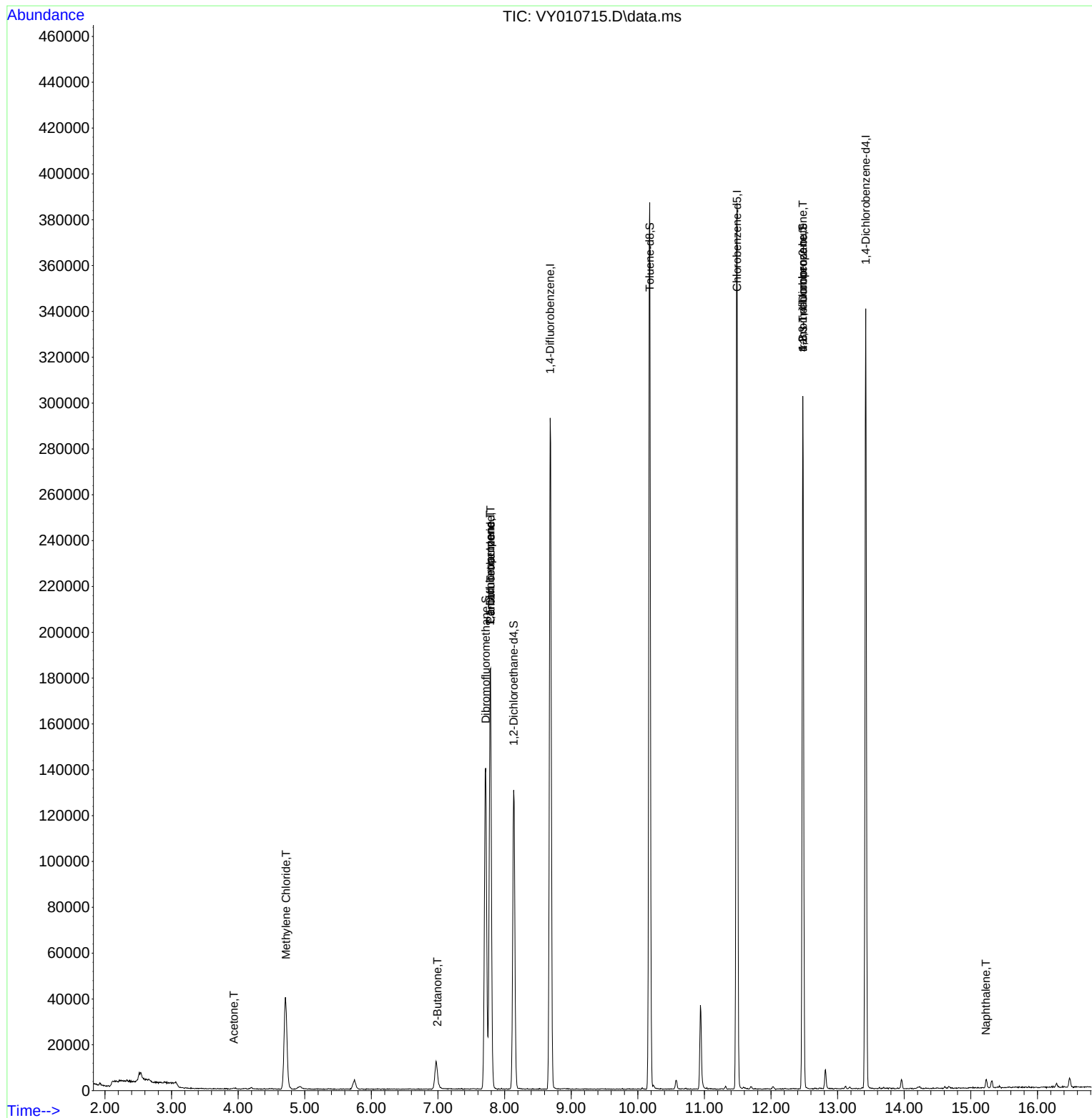
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.900	85	20	Below Cal	# 43
3) Chloromethane	2.113	50	494	Below Cal	# 89
4) Vinyl Chloride	2.253	62	23	Below Cal	# 43
5) Bromomethane	2.650	94	315	Below Cal	# 33
11) Tert butyl alcohol	4.917	59	925	Below Cal	# 77
16) Acetone	3.936	43	529	1.923 ug/l	# 46
17) Carbon Disulfide	4.192	76	275	Below Cal	# 75
18) Methyl Acetate	4.472	43	464	Below Cal	# 56
20) Methylene Chloride	4.716	84	30472	11.725 ug/l	# 85
25) 2-Butanone	6.990	43	986	2.291 ug/l	# 94
31) Cyclohexane	7.777	56	3020	Below Cal	# 29
36) 1,1-Dichloropropene	7.783	75	11120	6.129 ug/l	# 50
38) Carbon Tetrachloride	7.789	117	14716	7.054 ug/l	# 14
76) 1,2,3-Trichloropropane	12.477	75	46984	57.884 ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	46984	128.701 ug/l	# 7
95) Naphthalene	15.227	128	3414	1.228 ug/l	# 99

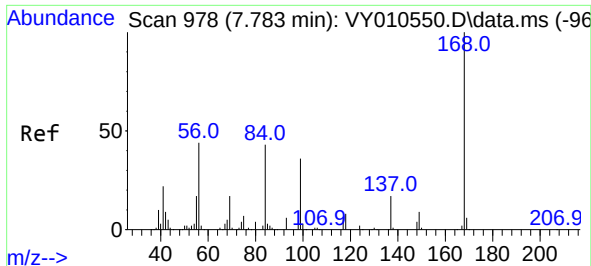
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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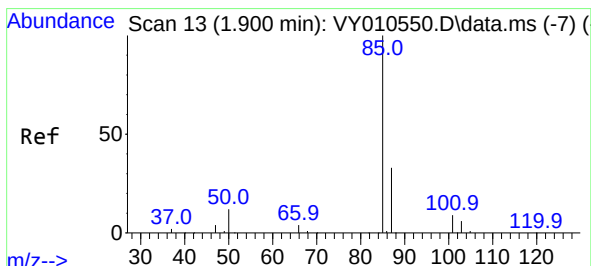
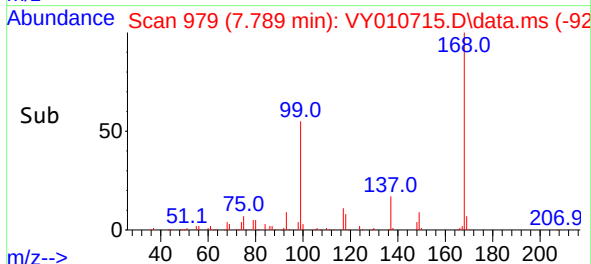
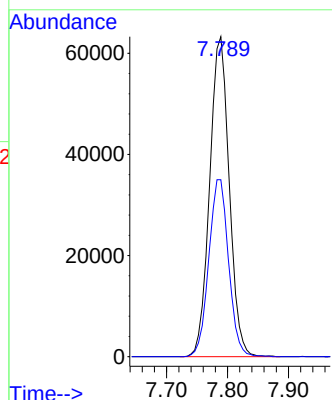
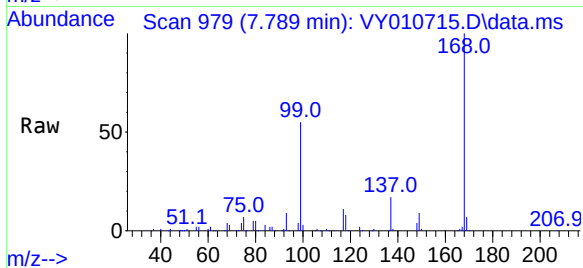




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010715.D
Acq: 28 Sep 2022 14:43

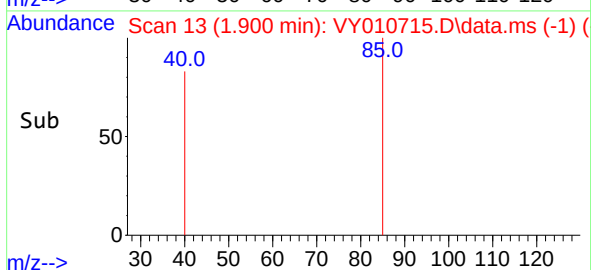
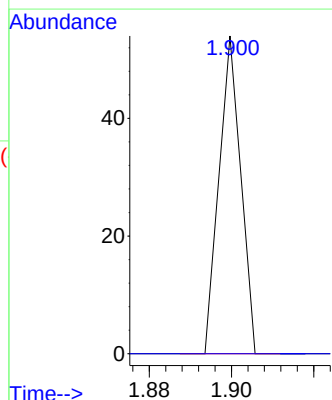
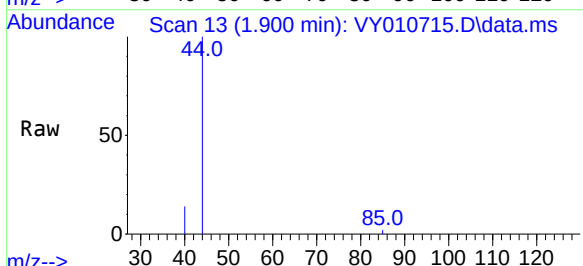
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-092622

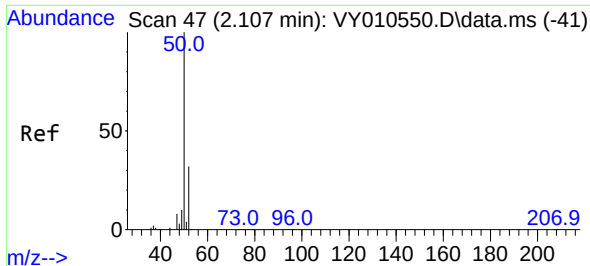
Tgt Ion:168 Resp: 141056
Ion Ratio Lower Upper
168 100
99 55.3 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010715.D
Acq: 28 Sep 2022 14:43

Tgt Ion: 85 Resp: 20
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

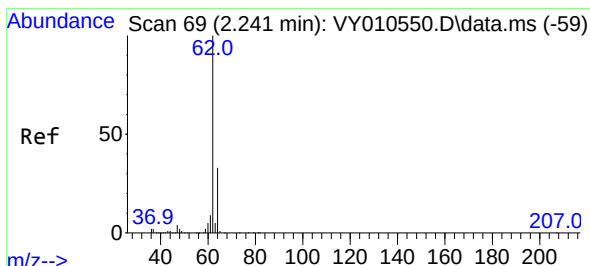
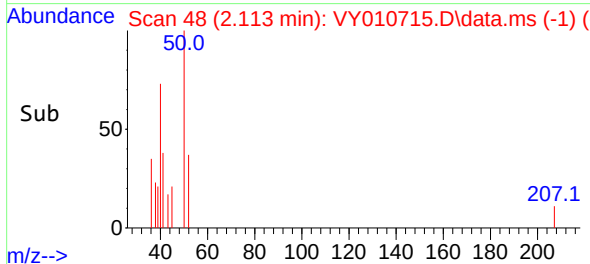
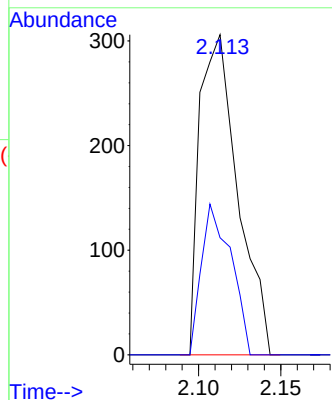
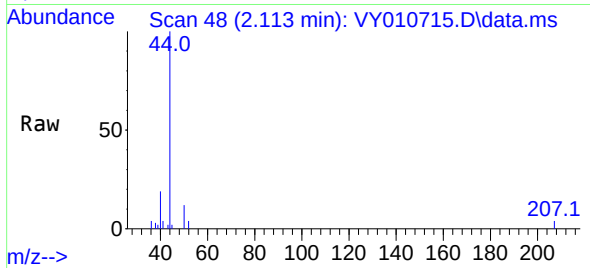




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010715.D
Acq: 28 Sep 2022 14:43

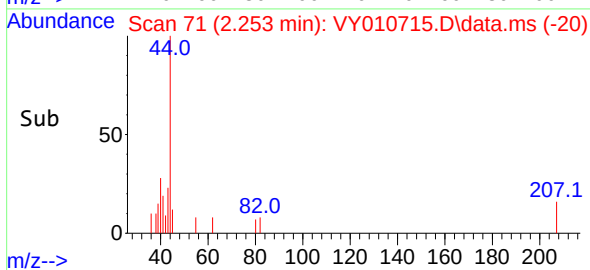
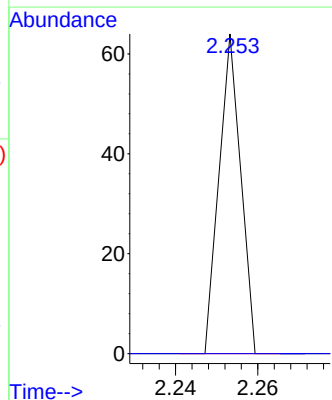
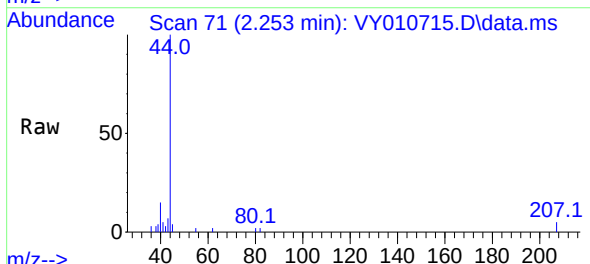
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-092622

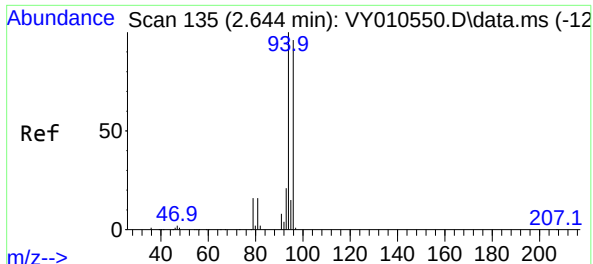
Tgt Ion: 50 Resp: 494
Ion Ratio Lower Upper
50 100
52 36.6 24.6 37.0



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.253 min Scan# 71
Delta R.T. 0.012 min
Lab File: VY010715.D
Acq: 28 Sep 2022 14:43

Tgt Ion: 62 Resp: 23
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

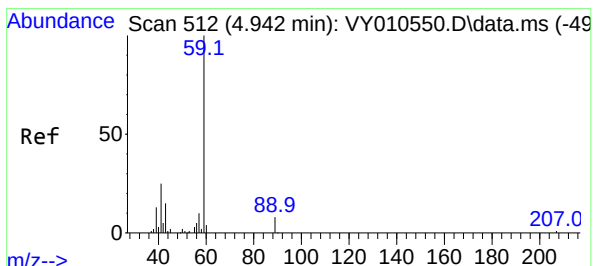
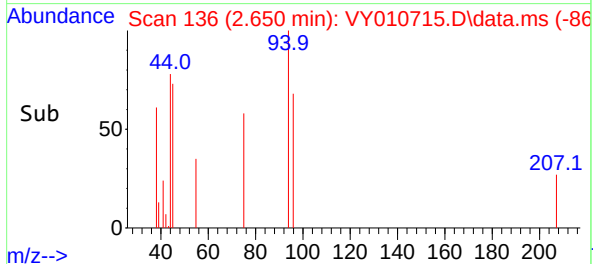
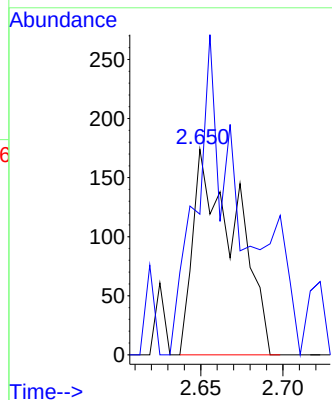
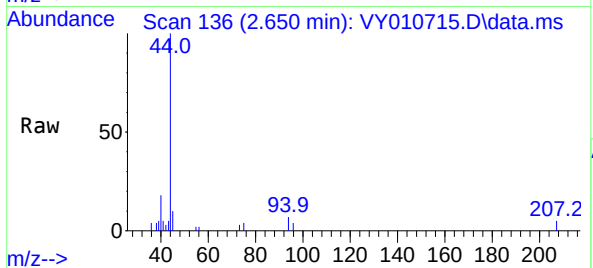




#5
Bromomethane
Concen: Below Cal
RT: 2.650 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010715.D
Acq: 28 Sep 2022 14:43

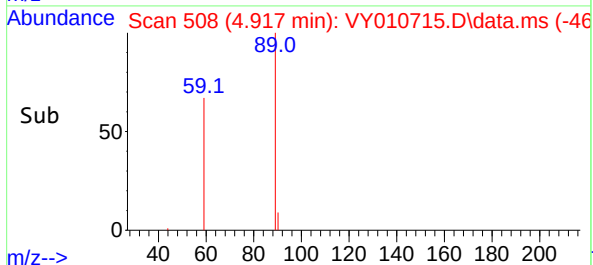
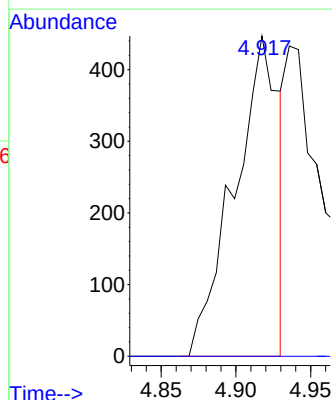
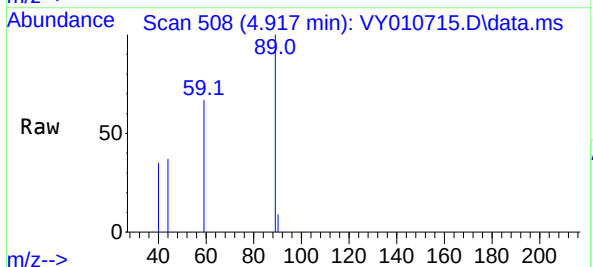
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-092622

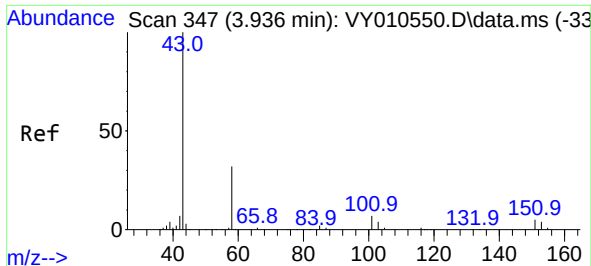
Tgt Ion: 94 Resp: 315
Ion Ratio Lower Upper
94 100
96 28.2 73.5 110.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.917 min Scan# 508
Delta R.T. -0.025 min
Lab File: VY010715.D
Acq: 28 Sep 2022 14:43

Tgt Ion: 59 Resp: 925
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

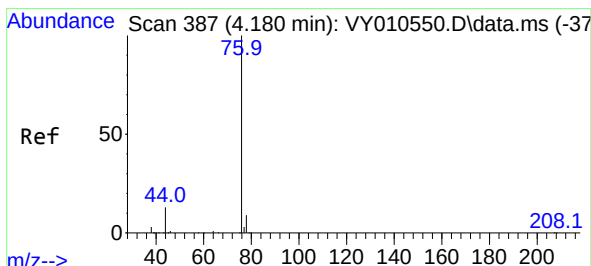
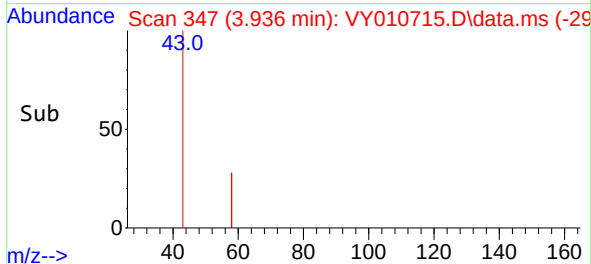
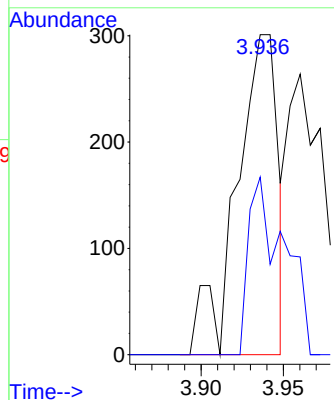
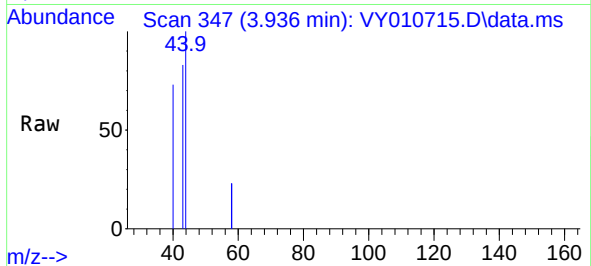




#16
Acetone
Concen: 1.923 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.000 min
Lab File: VY010715.D
Acq: 28 Sep 2022 14:43

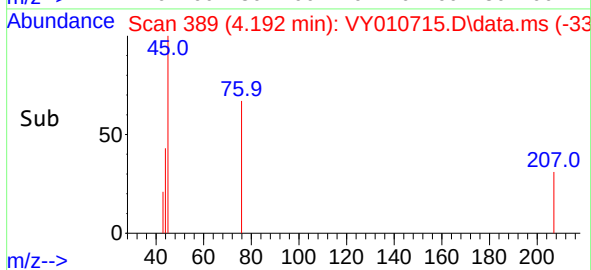
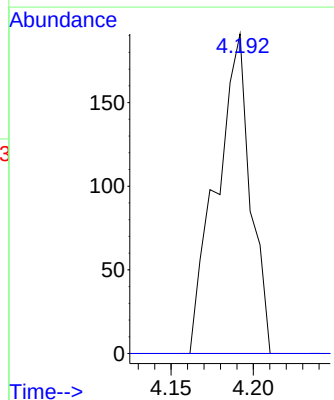
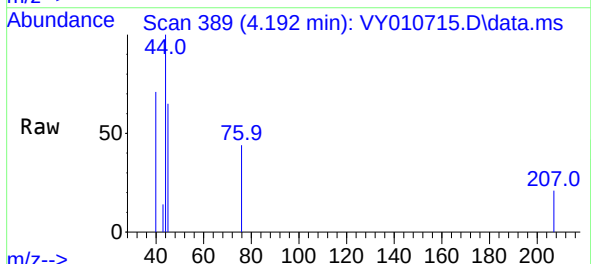
Instrument : MSVOA_Y
ClientSampleId : SU-04-092622

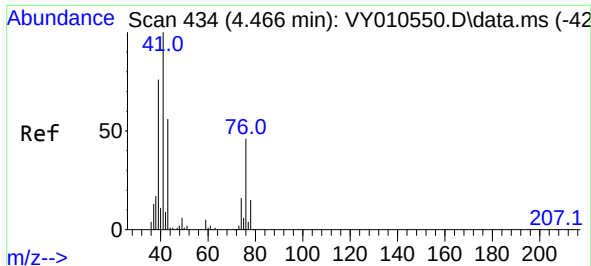
Tgt Ion: 43 Resp: 529
Ion Ratio Lower Upper
43 100
58 55.5 22.0 33.0#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.192 min Scan# 389
Delta R.T. 0.012 min
Lab File: VY010715.D
Acq: 28 Sep 2022 14:43

Tgt Ion: 76 Resp: 275
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

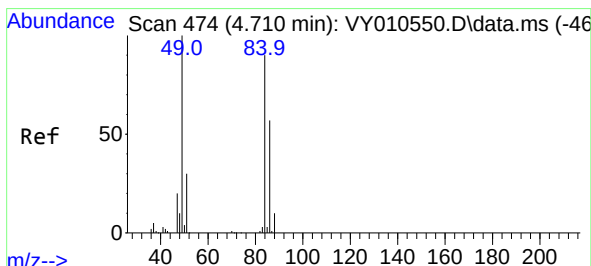
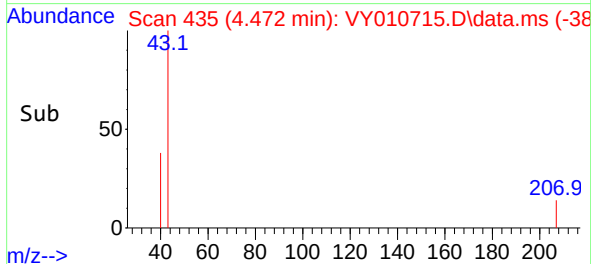
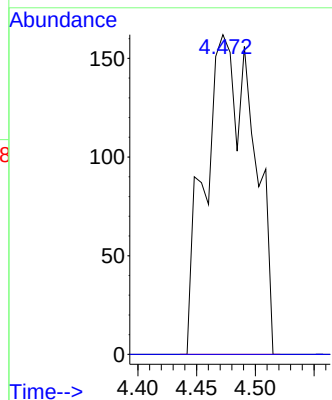
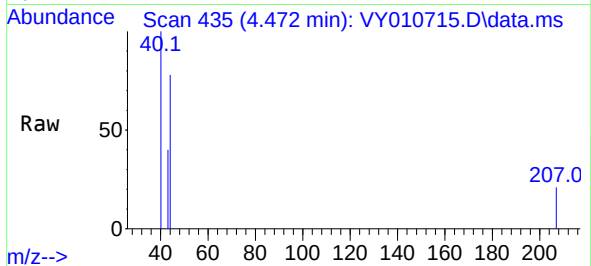




#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010715.D
Acq: 28 Sep 2022 14:43

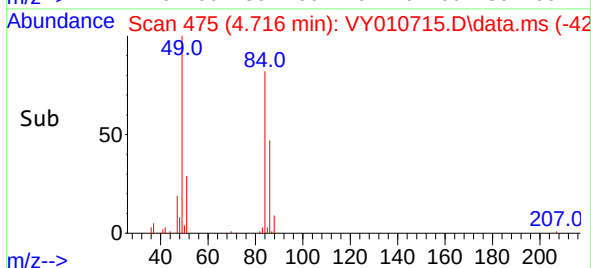
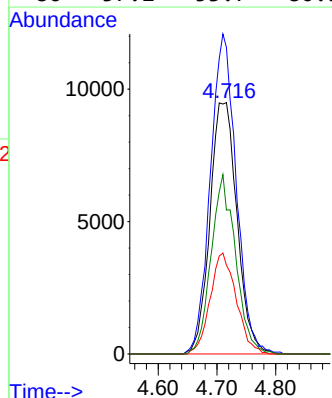
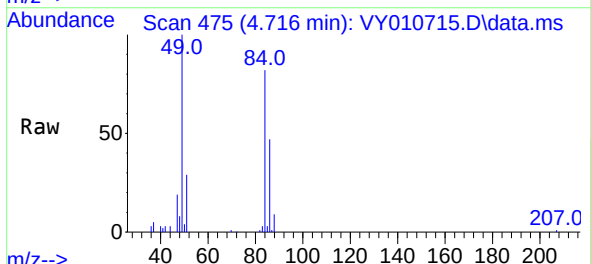
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ClientSampleId :
SU-04-092622

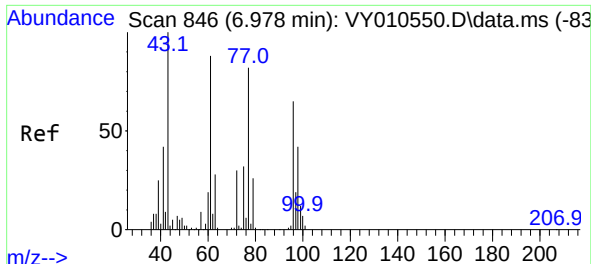
Tgt Ion: 43 Resp: 464
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 11.725 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY010715.D
Acq: 28 Sep 2022 14:43

Tgt Ion: 84 Resp: 30472
Ion Ratio Lower Upper
84 100
49 122.0 114.4 171.6
51 35.3 35.3 52.9
86 57.2 53.7 80.5





#25

2-Butanone

Concen: 2.291 ug/l

RT: 6.990 min Scan# 846

Delta R.T. 0.012 min

Lab File: VY010715.D

Acq: 28 Sep 2022 14:43

Instrument :

MSVOA_Y

ClientSampleId :

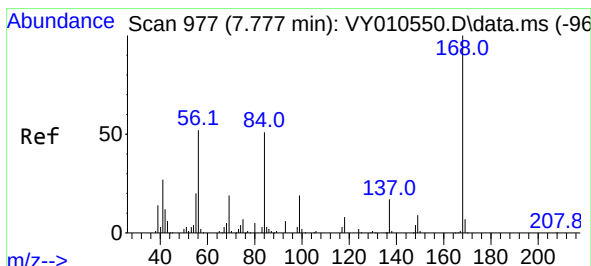
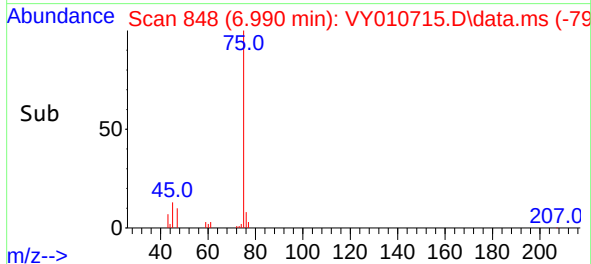
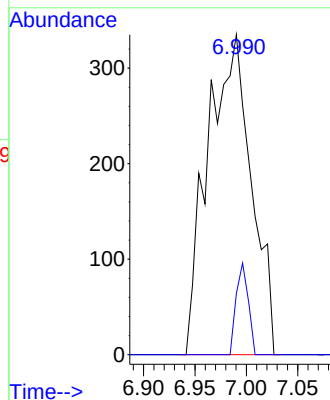
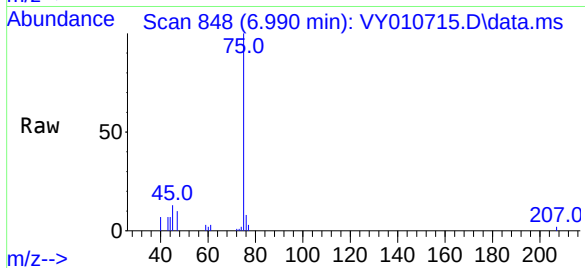
SU-04-092622

Tgt Ion: 43 Resp: 986

Ion Ratio Lower Upper

43 100

72 19.1 17.7 26.5



#31

Cyclohexane

Concen: Below Cal

RT: 7.777 min Scan# 977

Delta R.T. -0.000 min

Lab File: VY010715.D

Acq: 28 Sep 2022 14:43

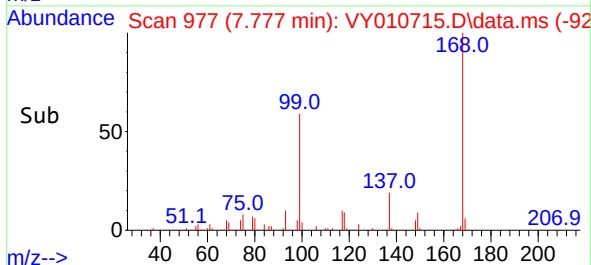
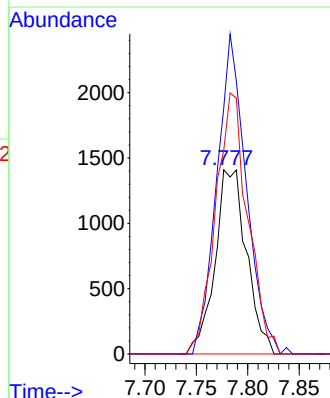
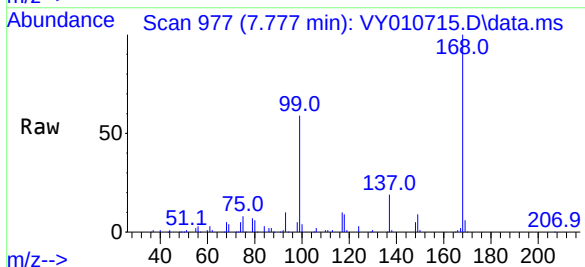
Tgt Ion: 56 Resp: 3020

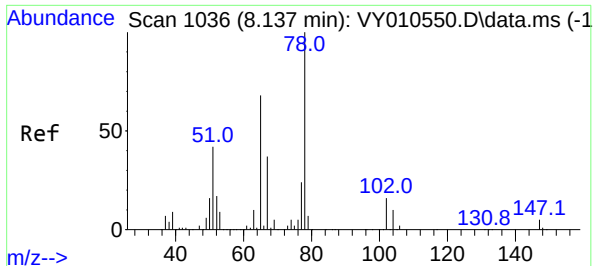
Ion Ratio Lower Upper

56 100

69 133.3 26.7 40.1#

84 110.4 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 76.128 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.001 min

Lab File: VY010715.D

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Instrument :

MSVOA_Y

ClientSampleId :

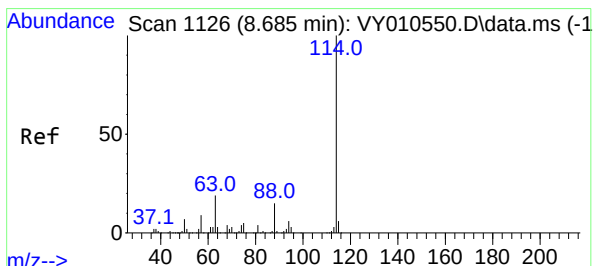
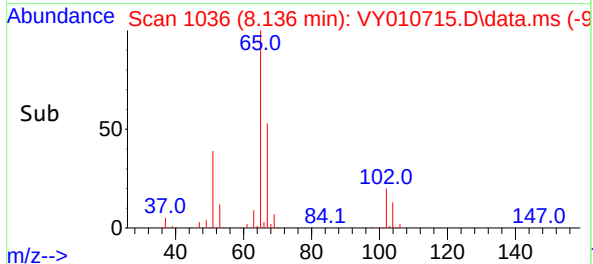
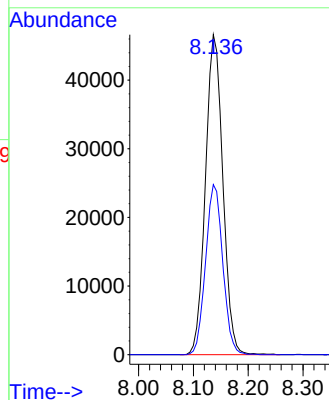
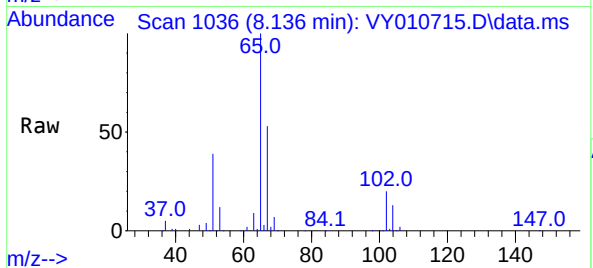
SU-04-092622

Tgt Ion: 65 Resp: 102710

Ion Ratio Lower Upper

65 100

67 52.5 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: VY010715.D

Acq: 28 Sep 2022 14:43

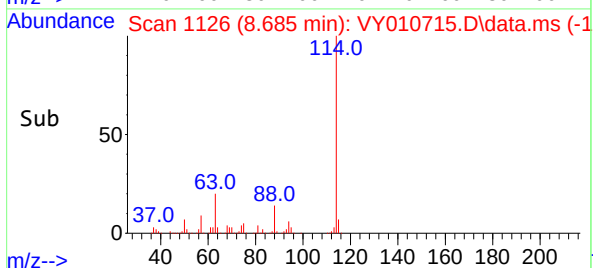
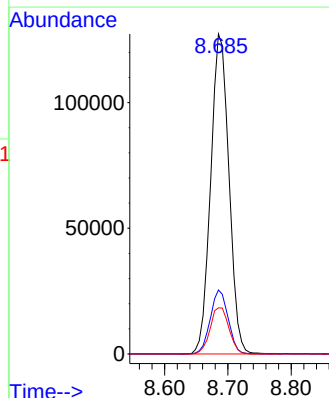
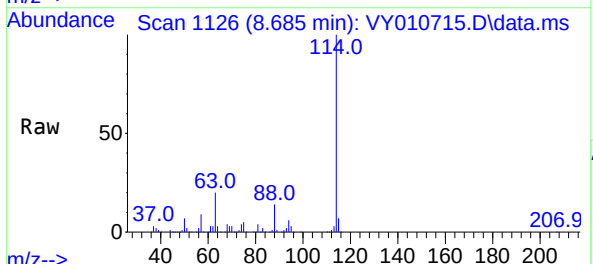
Tgt Ion: 114 Resp: 255137

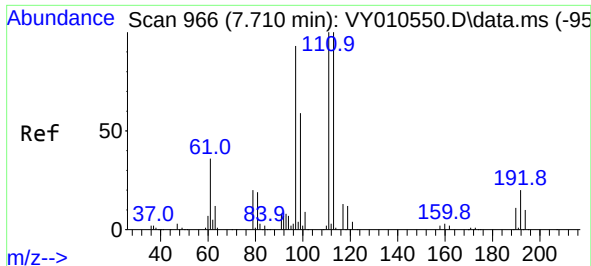
Ion Ratio Lower Upper

114 100

63 20.0 0.0 43.2

88 14.4 0.0 31.8

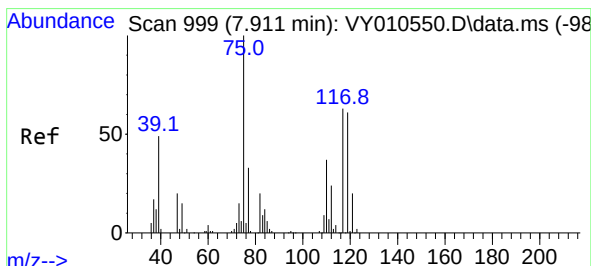
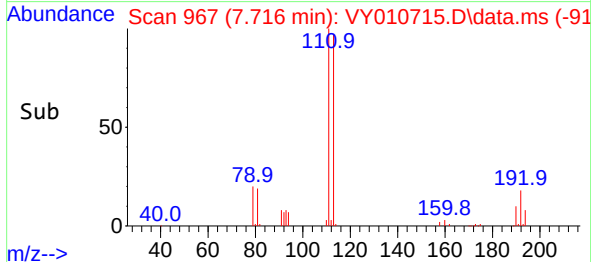
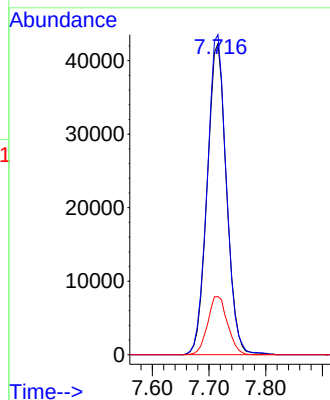
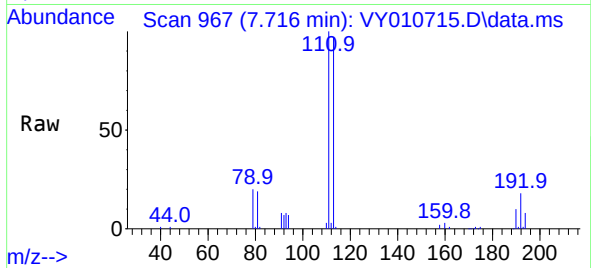




#35
Dibromofluoromethane
Concen: 61.462 ug/l
RT: 7.716 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010715.D
Acq: 28 Sep 2022 14:43

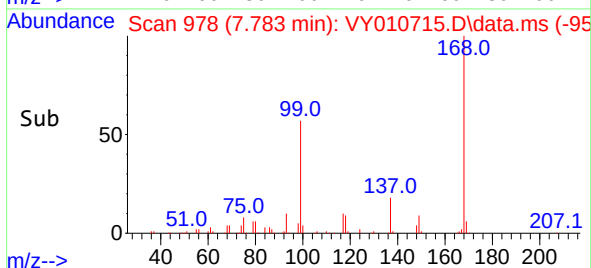
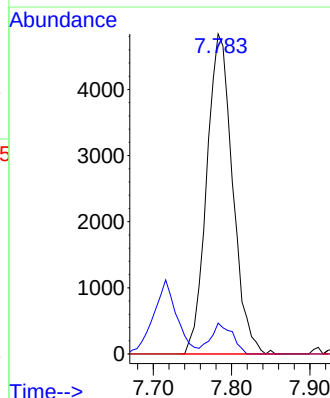
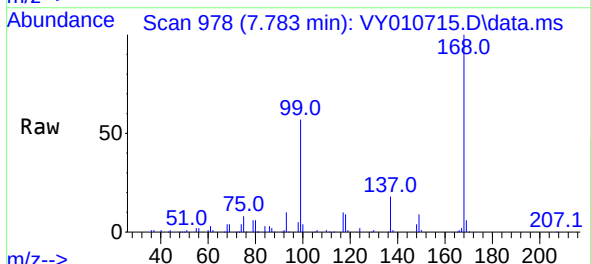
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-092622

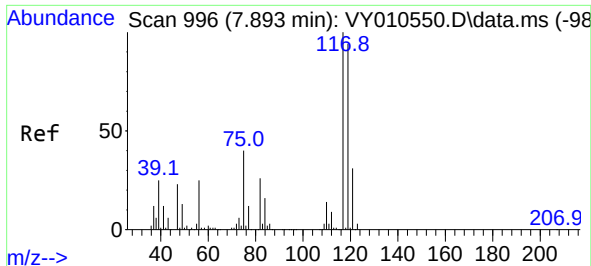
Tgt Ion:113 Resp: 100078
Ion Ratio Lower Upper
113 100
111 102.4 82.6 124.0
192 19.2 17.6 26.4



#36
1,1-Dichloropropene
Concen: 6.129 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010715.D
Acq: 28 Sep 2022 14:43

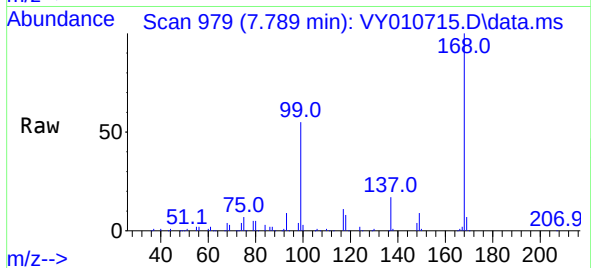
Tgt Ion: 75 Resp: 11120
Ion Ratio Lower Upper
75 100
110 8.0 17.1 51.2#
77 0.0 24.4 36.6#



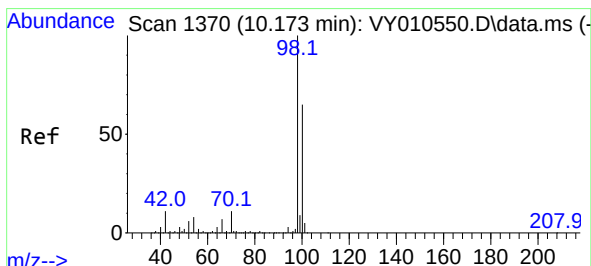
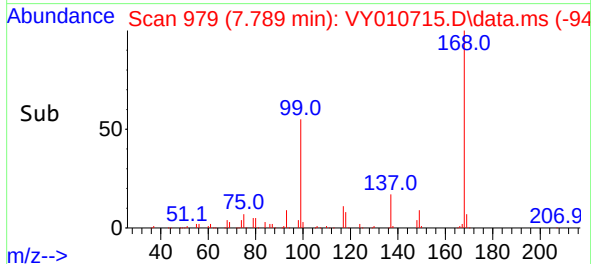
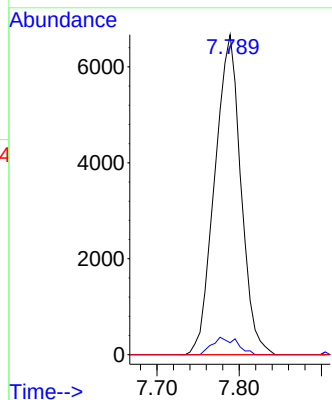


#38
Carbon Tetrachloride
Concen: 7.054 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY010715.D
Acq: 28 Sep 2022 14:43

Instrument :
MSVOA_Y
ClientSampleId :
SU-04-092622

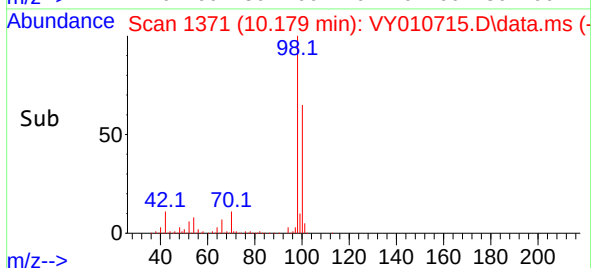
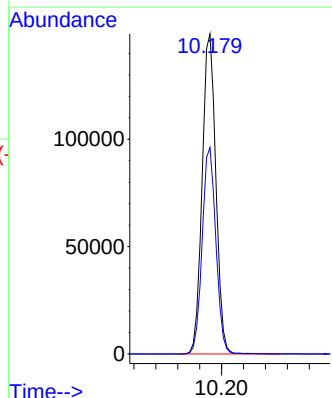
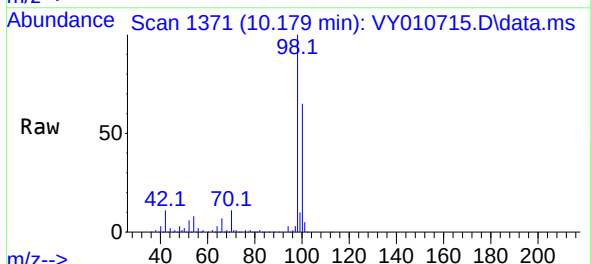


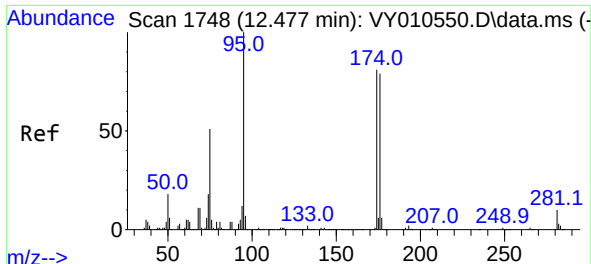
Tgt Ion:117 Resp: 14716
Ion Ratio Lower Upper
117 100
119 3.7 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 43.323 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010715.D
Acq: 28 Sep 2022 14:43

Tgt Ion: 98 Resp: 258029
Ion Ratio Lower Upper
98 100
100 64.5 50.2 75.2

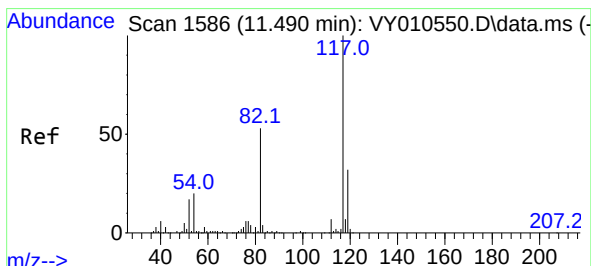
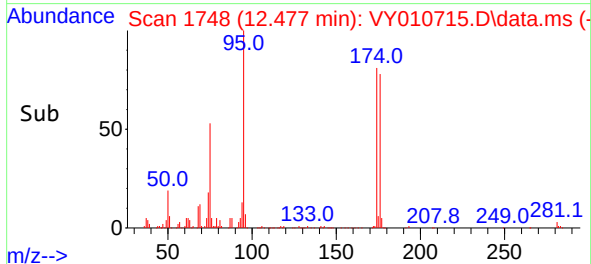
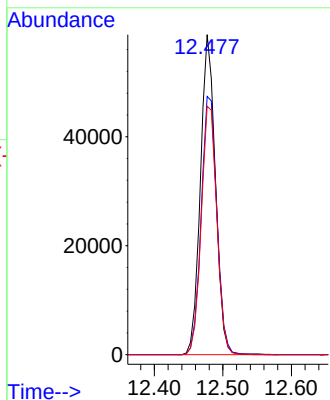
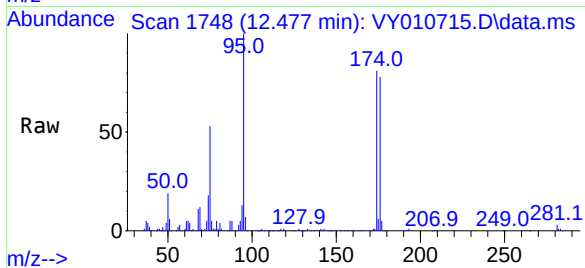




#62
4-Bromofluorobenzene
Concen: 39.502 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010715.D
Acq: 28 Sep 2022 14:43

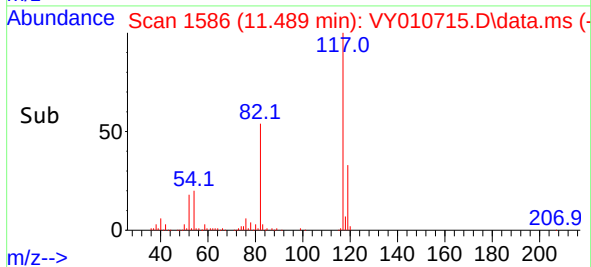
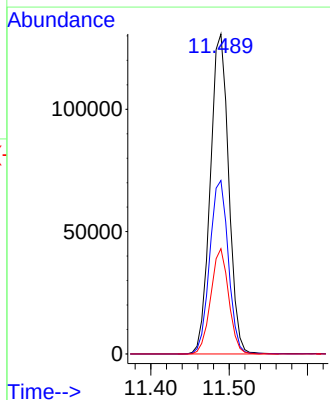
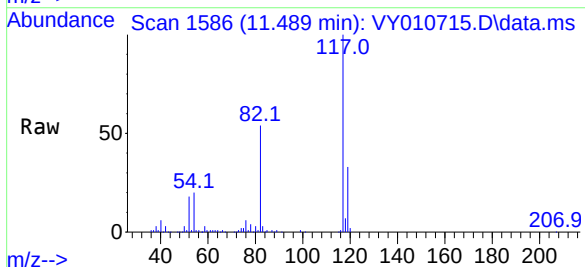
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-092622

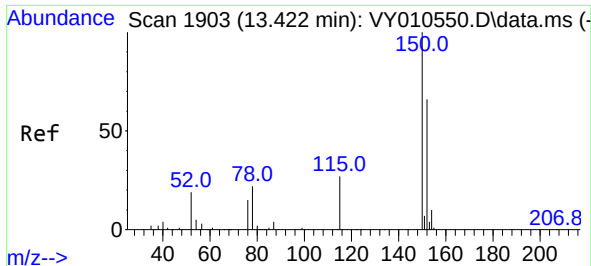
Tgt Ion: 95 Resp: 89488
Ion Ratio Lower Upper
95 100
174 84.6 0.0 177.0
176 80.8 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010715.D
Acq: 28 Sep 2022 14:43

Tgt Ion: 117 Resp: 213153
Ion Ratio Lower Upper
117 100
82 54.2 43.0 64.4
119 32.9 25.4 38.0

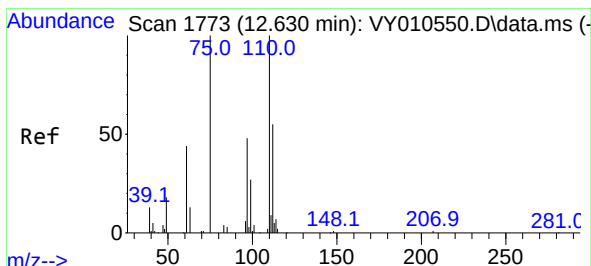
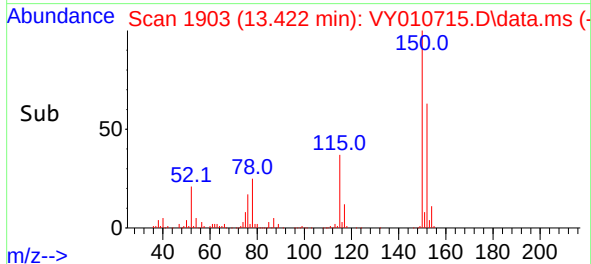
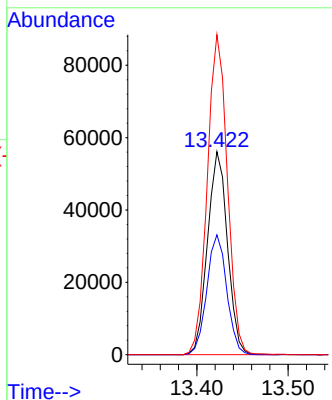
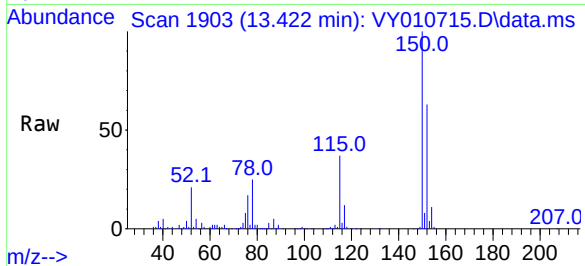




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY010715.D
Acq: 28 Sep 2022 14:43

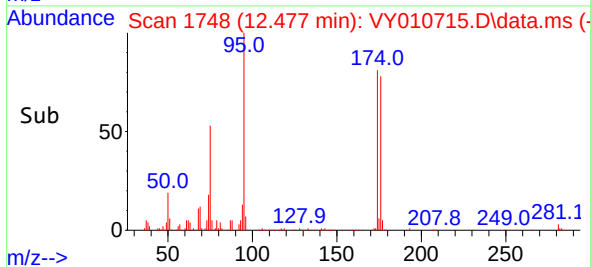
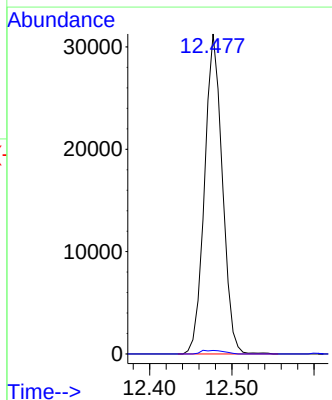
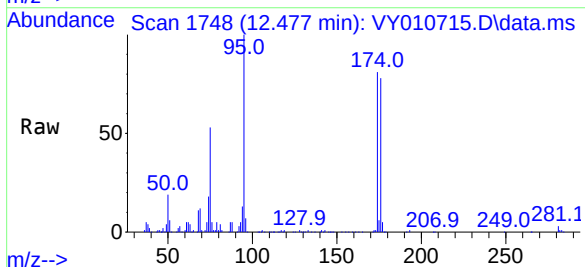
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-092622

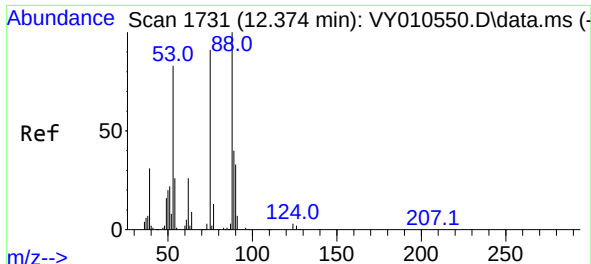
Tgt Ion:152 Resp: 85045
Ion Ratio Lower Upper
152 100
115 58.9 28.2 84.7
150 158.3 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 57.884 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010715.D
Acq: 28 Sep 2022 14:43

Tgt Ion: 75 Resp: 46984
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#

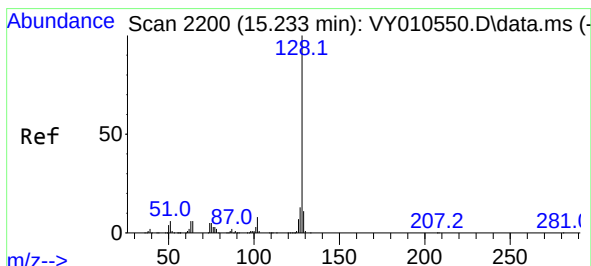
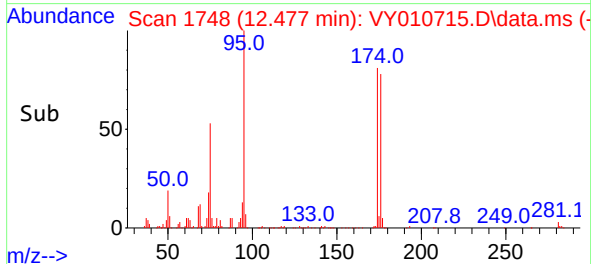
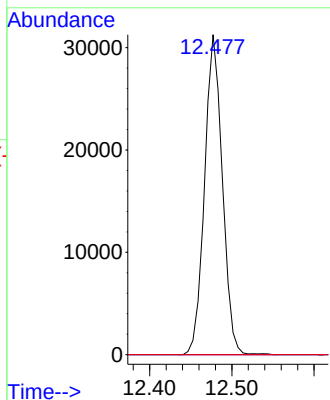
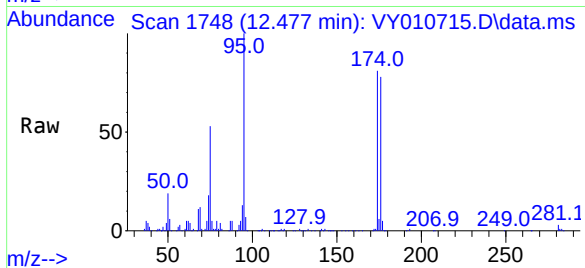




#81
trans-1,4-Dichloro-2-butene
Concen: 128.701 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY010715.D
Acq: 28 Sep 2022 14:43

Instrument :
MSVOA_Y
ClientSampleId :
SU-04-092622

Tgt Ion: 75 Resp: 46984
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 1.228 ug/l
RT: 15.227 min Scan# 2199
Delta R.T. -0.006 min
Lab File: VY010715.D
Acq: 28 Sep 2022 14:43

Tgt Ion:128 Resp: 3414
Ion Ratio Lower Upper
128 100
127 13.2 11.0 16.4
129 10.9 8.4 12.6

