

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092322\
 Data File : VY010650.D
 Acq On : 23 Sep 2022 15:46
 Operator : KP/MD
 Sample : N4762-02
 Misc : 6.29g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D22014-(17.5-18)

Quant Time: Sep 24 01:22:01 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)

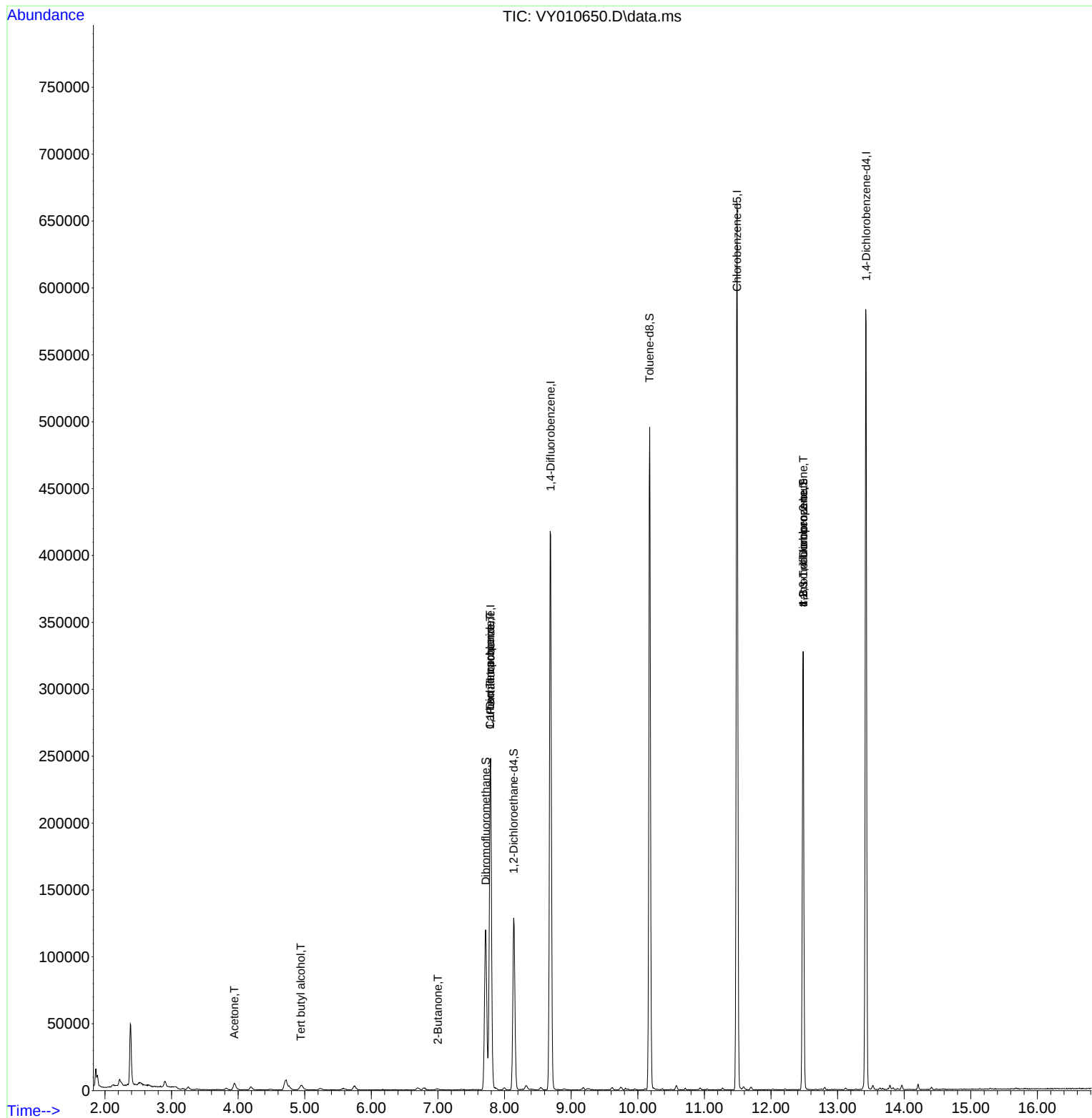
Internal Standards						
1) Pentafluorobenzene	7.789	168	191123	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	363883	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	355594	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	147901	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	98466	53.864	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.720%	
35) Dibromofluoromethane	7.716	113	84919	36.567	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 73.140%	
50) Toluene-d8	10.179	98	322892	38.394	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 76.780%	
62) 4-Bromofluorobenzene	12.483	95	94657	28.559	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 57.120%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	22	Below Cal	#	43
3) Chloromethane	2.113	50	316	Below Cal		90
4) Vinyl Chloride	2.491	62	91	Below Cal	#	43
5) Bromomethane	2.662	94	232	Below Cal		94
11) Tert butyl alcohol	4.942	59	6530	30.099	ug/l	97
16) Acetone	3.942	43	8868	23.788	ug/l #	81
17) Carbon Disulfide	4.192	76	3176	Below Cal	#	91
18) Methyl Acetate	4.479	43	1123	Below Cal		92
20) Methylene Chloride	4.723	84	5372	Below Cal	#	79
25) 2-Butanone	6.997	43	1316	2.257	ug/l	96
31) Cyclohexane	7.783	56	4332	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	14213	5.493	ug/l #	51
38) Carbon Tetrachloride	7.783	117	19362	6.508	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	49678	35.192	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	49678	78.248	ug/l #	7

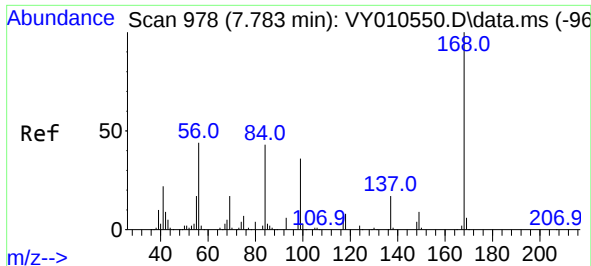
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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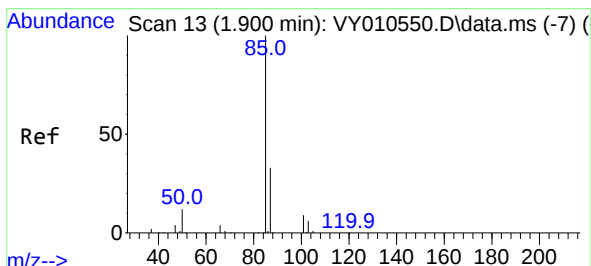
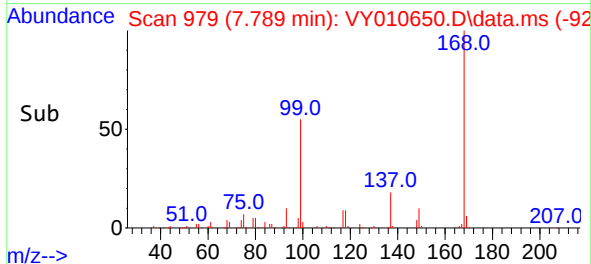
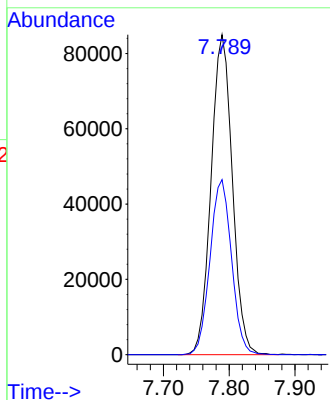
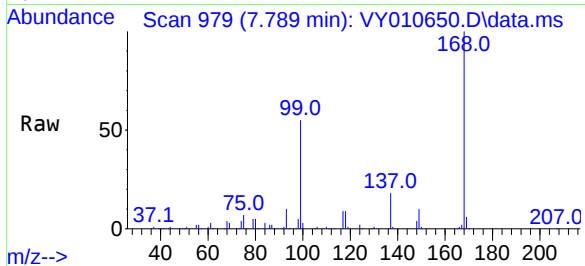




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010650.D
Acq: 23 Sep 2022 15:46

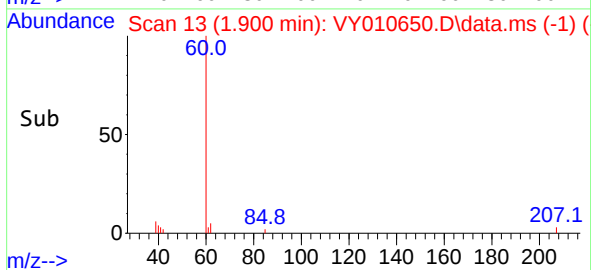
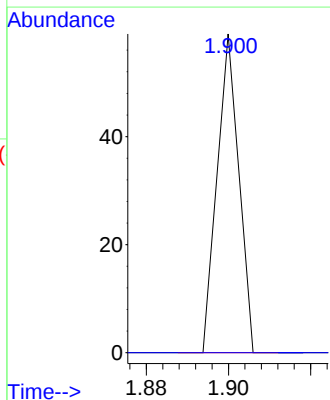
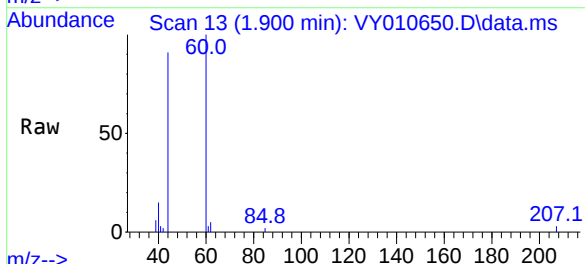
Instrument :
MSVOA_Y
ClientSampleId :
D22014-(17.5-18)

Tgt Ion:168 Resp: 191123
Ion Ratio Lower Upper
168 100
99 54.7 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010650.D
Acq: 23 Sep 2022 15:46

Tgt Ion: 85 Resp: 22
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

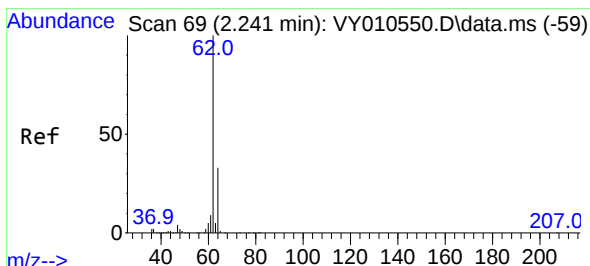
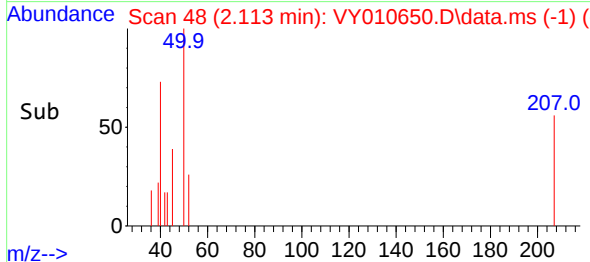
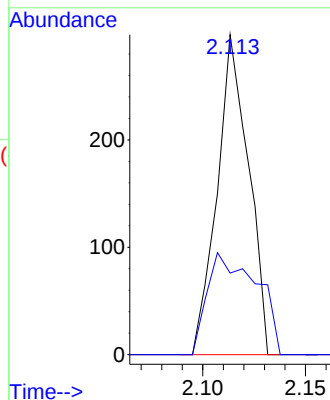
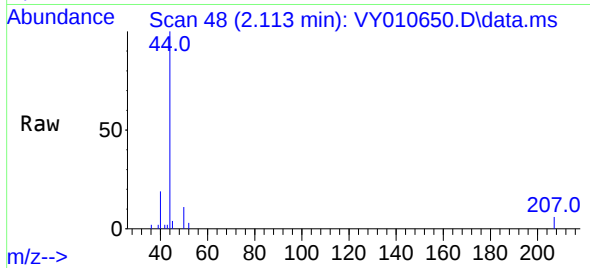




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010650.D
Acq: 23 Sep 2022 15:46

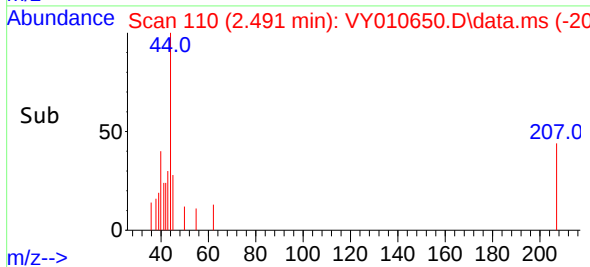
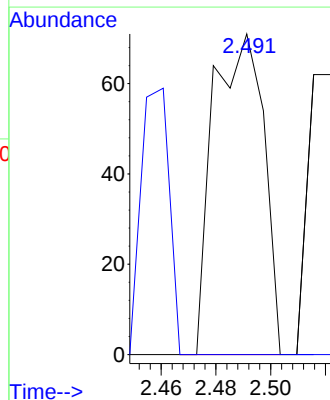
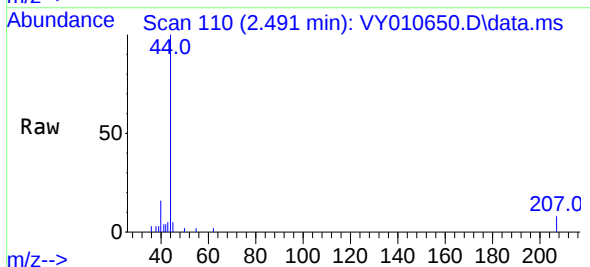
Instrument :
MSVOA_Y
ClientSampleId :
D22014-(17.5-18)

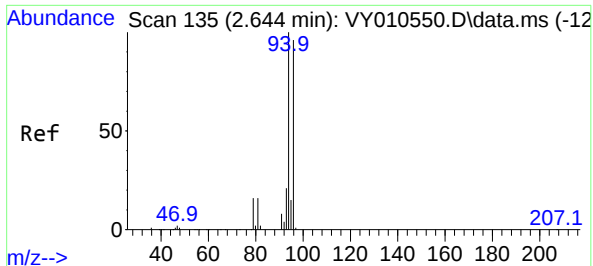
Tgt Ion: 50 Resp: 316
Ion Ratio Lower Upper
50 100
52 25.5 24.6 37.0



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.491 min Scan# 110
Delta R.T. 0.250 min
Lab File: VY010650.D
Acq: 23 Sep 2022 15:46

Tgt Ion: 62 Resp: 91
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

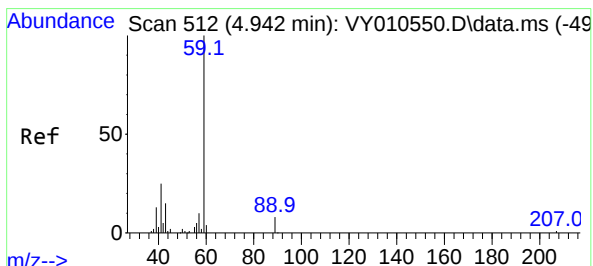
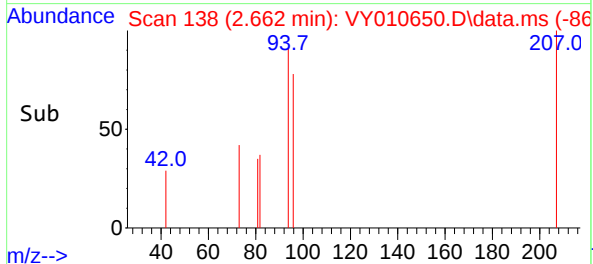
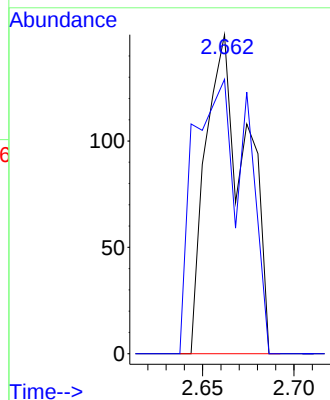
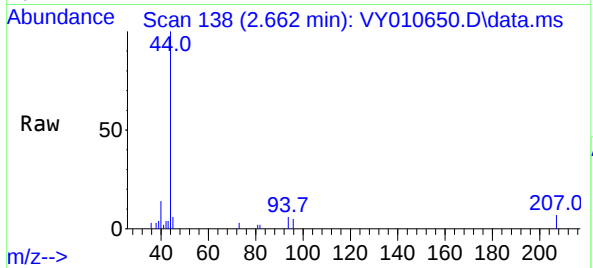




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY010650.D
Acq: 23 Sep 2022 15:46

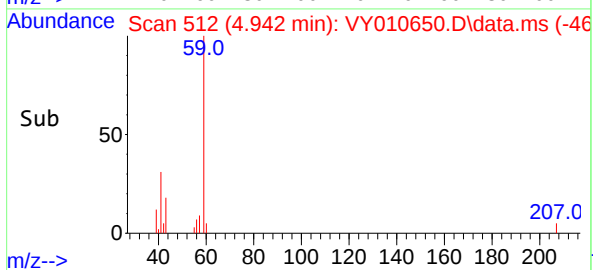
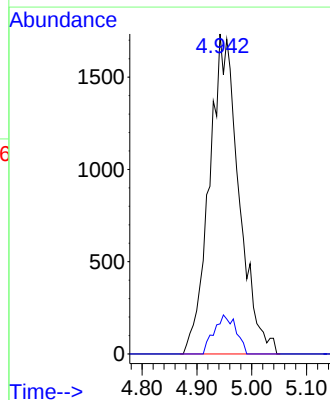
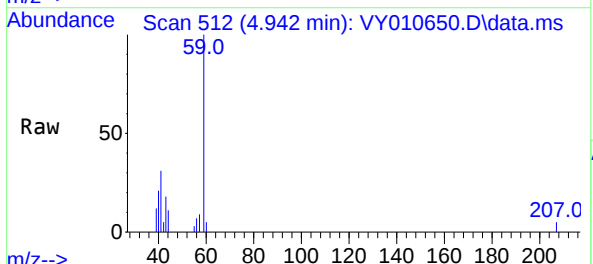
Instrument :
MSVOA_Y
ClientSampleId :
D22014-(17.5-18)

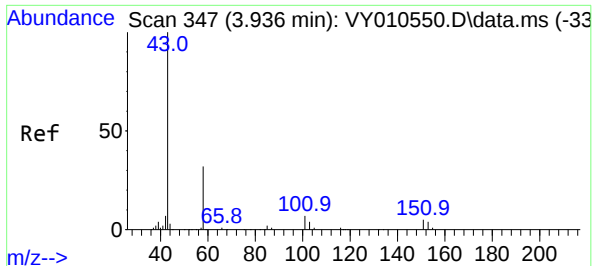
Tgt Ion: 94 Resp: 232
Ion Ratio Lower Upper
94 100
96 86.0 73.5 110.3



#11
Tert butyl alcohol
Concen: 30.099 ug/l
RT: 4.942 min Scan# 512
Delta R.T. 0.000 min
Lab File: VY010650.D
Acq: 23 Sep 2022 15:46

Tgt Ion: 59 Resp: 6530
Ion Ratio Lower Upper
59 100
57 9.0 6.4 9.6

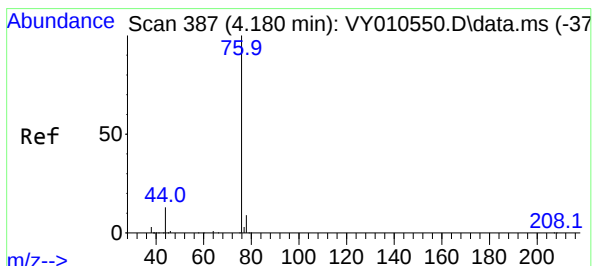
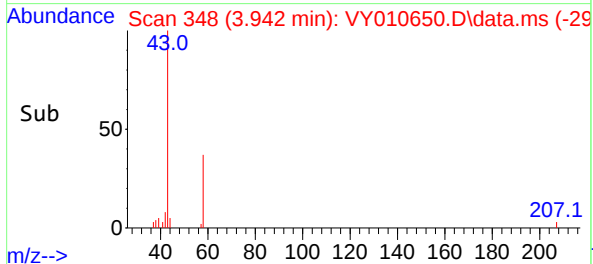
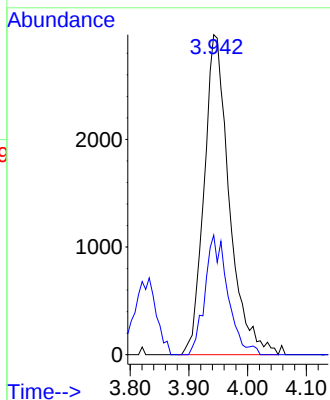
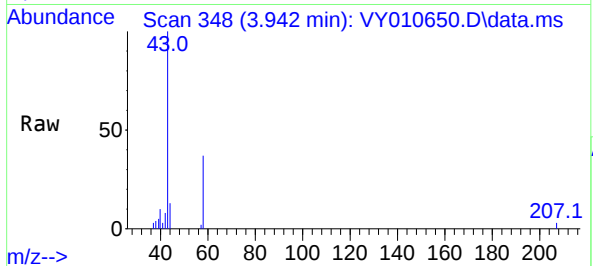




#16
Acetone
Concen: 23.788 ug/l
RT: 3.942 min Scan# 347
Delta R.T. 0.006 min
Lab File: VY010650.D
Acq: 23 Sep 2022 15:46

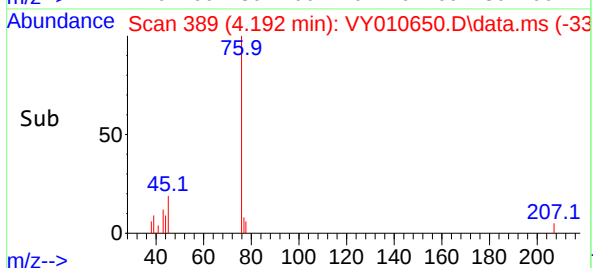
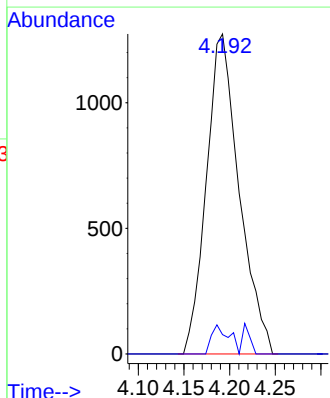
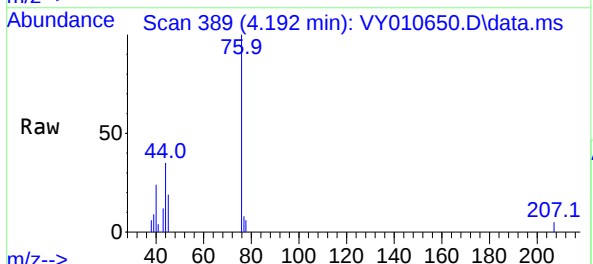
Instrument :
MSVOA_Y
ClientSampleId :
D22014-(17.5-18)

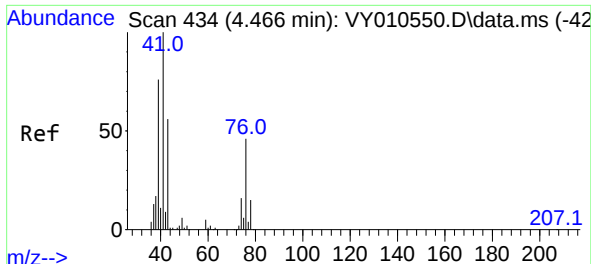
Tgt Ion: 43 Resp: 8868
Ion Ratio Lower Upper
43 100
58 37.4 22.0 33.0#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.192 min Scan# 389
Delta R.T. 0.012 min
Lab File: VY010650.D
Acq: 23 Sep 2022 15:46

Tgt Ion: 76 Resp: 3176
Ion Ratio Lower Upper
76 100
78 6.0 7.4 11.0#

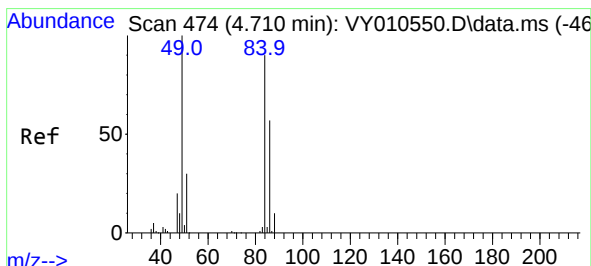
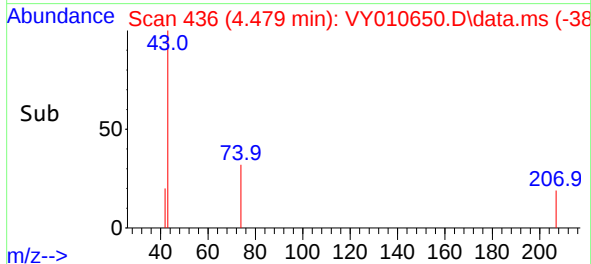
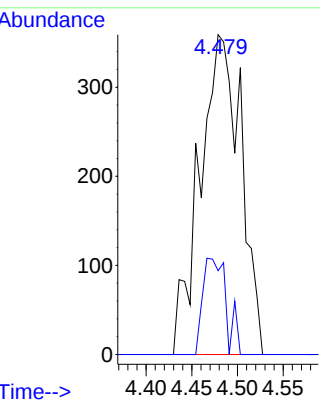
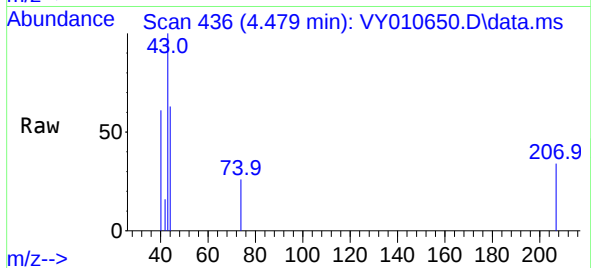




#18
Methyl Acetate
Concen: Below Cal
RT: 4.479 min Scan# 41
Delta R.T. 0.013 min
Lab File: VY010650.D
Acq: 23 Sep 2022 15:46

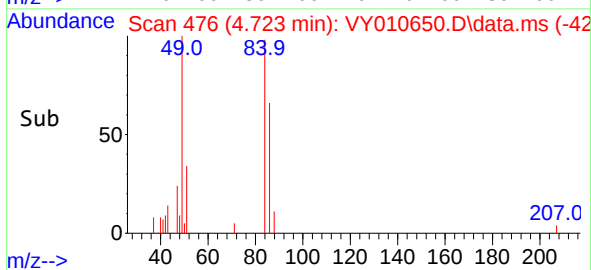
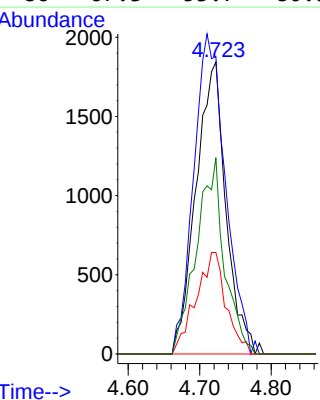
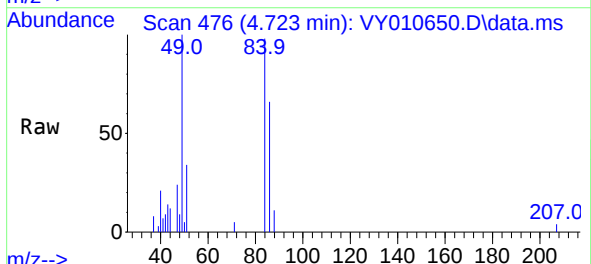
Instrument :
MSVOA_Y
ClientSampleId :
D22014-(17.5-18)

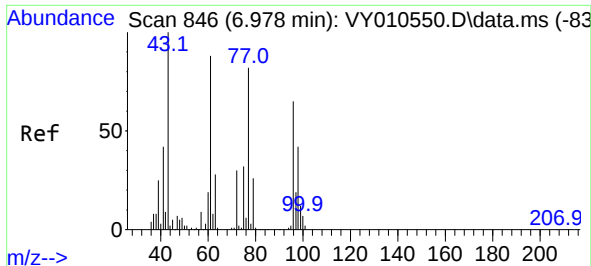
Tgt Ion: 43 Resp: 1123
Ion Ratio Lower Upper
43 100
74 17.2 16.6 24.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.723 min Scan# 476
Delta R.T. 0.013 min
Lab File: VY010650.D
Acq: 23 Sep 2022 15:46

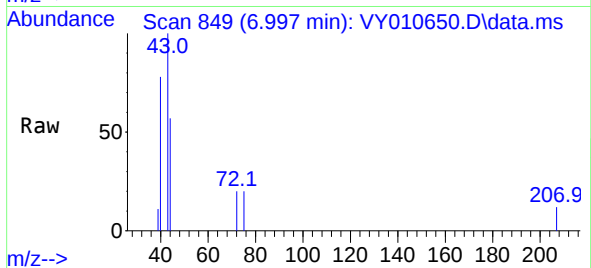
Tgt Ion: 84 Resp: 5372
Ion Ratio Lower Upper
84 100
49 102.0 114.4 171.6#
51 34.7 35.3 52.9#
86 67.3 53.7 80.5



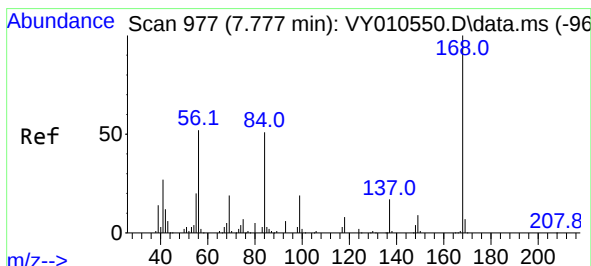
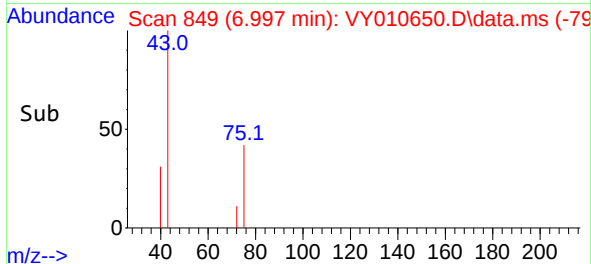
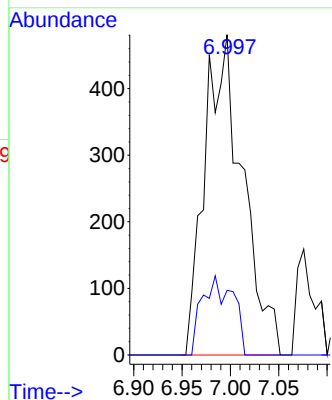


#25
2-Butanone
Concen: 2.257 ug/l
RT: 6.997 min Scan# 849
Delta R.T. 0.019 min
Lab File: VY010650.D
Acq: 23 Sep 2022 15:46

Instrument :
MSVOA_Y
ClientSampleId :
D22014-(17.5-18)

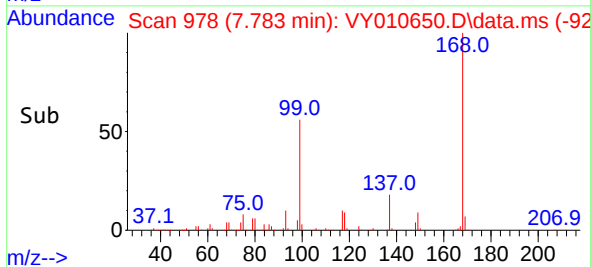
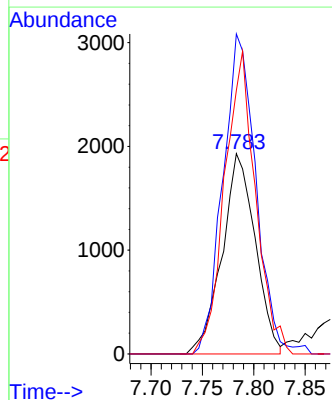
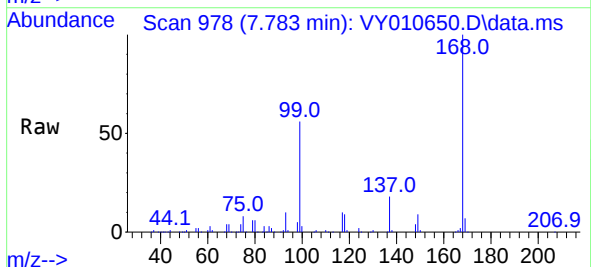


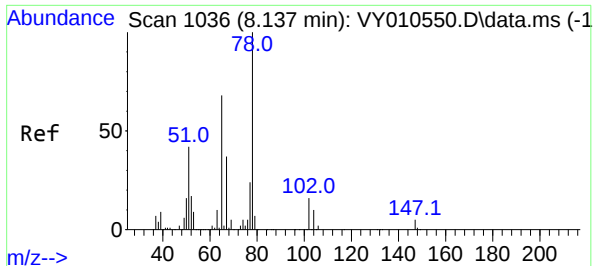
Tgt Ion: 43 Resp: 1316
Ion Ratio Lower Upper
43 100
72 20.2 17.7 26.5



#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY010650.D
Acq: 23 Sep 2022 15:46

Tgt Ion: 56 Resp: 4332
Ion Ratio Lower Upper
56 100
69 159.7 26.7 40.1#
84 131.5 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 53.864 ug/l

RT: 8.137 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY010650.D

Acq: 23 Sep 2022 15:46

Instrument :

MSVOA_Y

ClientSampleId :

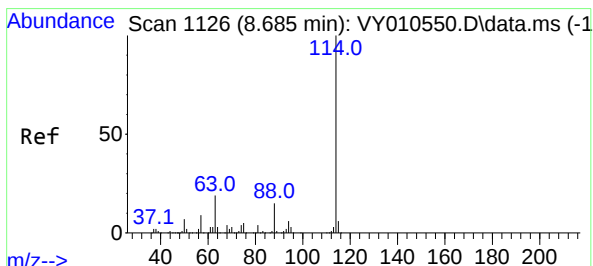
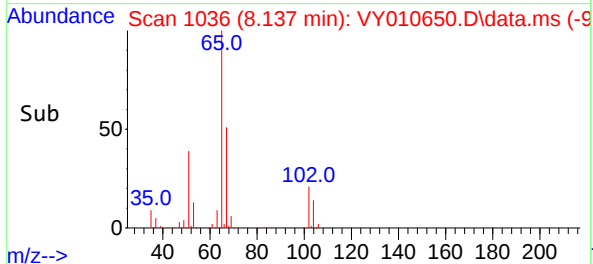
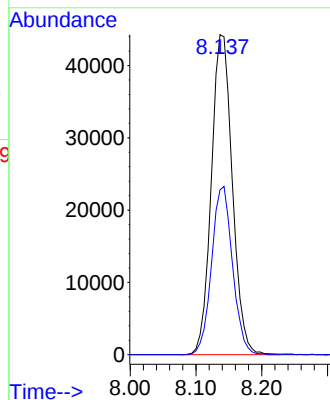
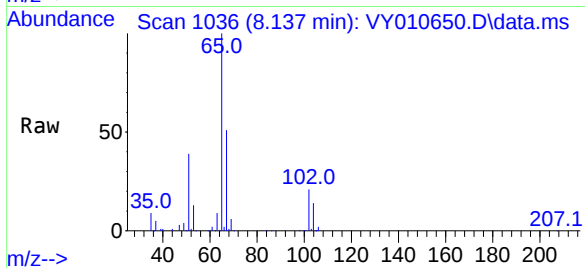
D22014-(17.5-18)

Tgt Ion: 65 Resp: 98466

Ion Ratio Lower Upper

65 100

67 52.3 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY010650.D

Acq: 23 Sep 2022 15:46

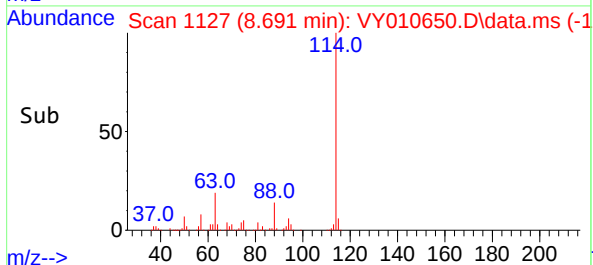
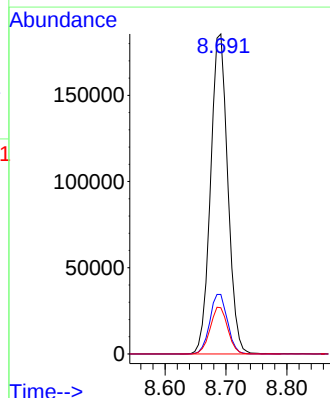
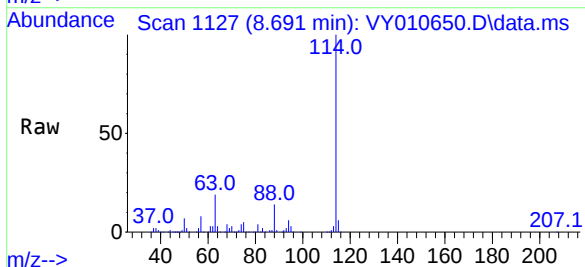
Tgt Ion: 114 Resp: 363883

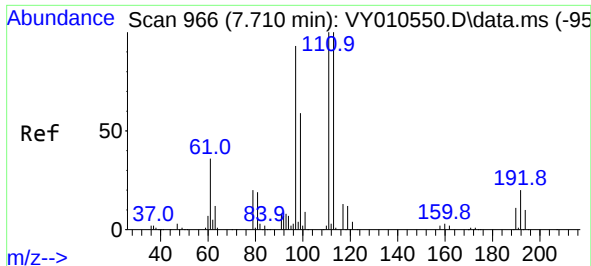
Ion Ratio Lower Upper

114 100

63 18.6 0.0 43.2

88 14.5 0.0 31.8

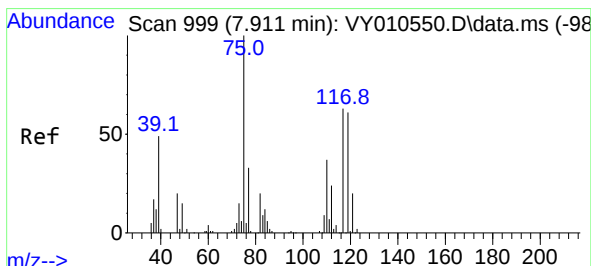
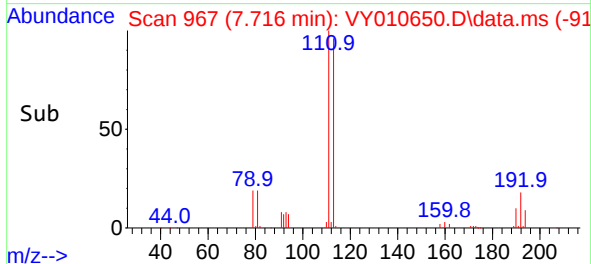
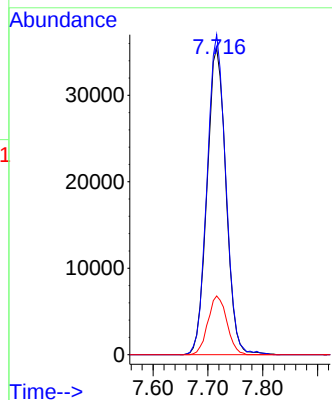
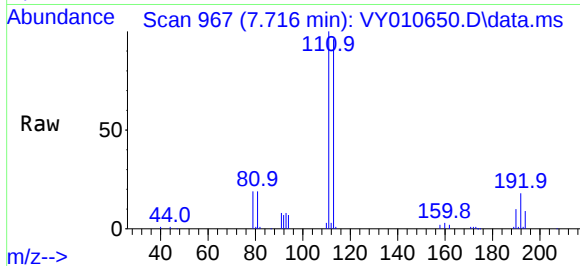




#35
Dibromofluoromethane
Concen: 36.567 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY010650.D
Acq: 23 Sep 2022 15:46

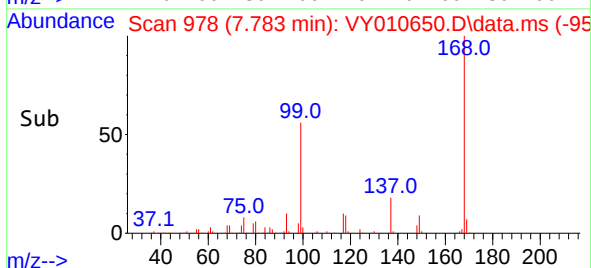
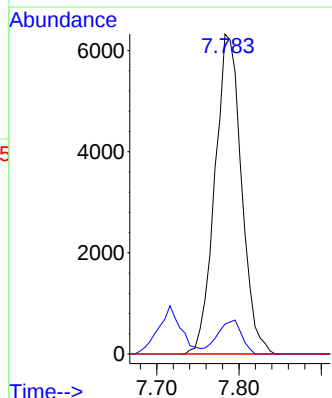
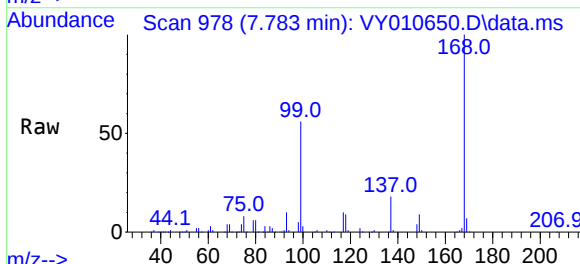
Instrument :
MSVOA_Y
ClientSampleId :
D22014-(17.5-18)

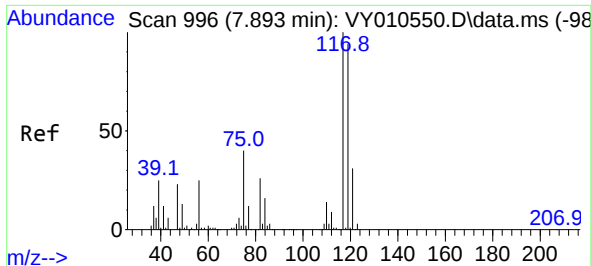
Tgt Ion:113 Resp: 84919
Ion Ratio Lower Upper
113 100
111 103.1 82.6 124.0
192 19.1 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.493 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010650.D
Acq: 23 Sep 2022 15:46

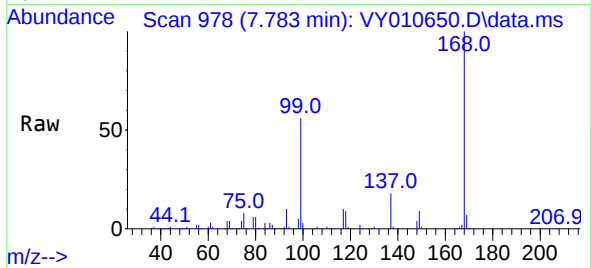
Tgt Ion: 75 Resp: 14213
Ion Ratio Lower Upper
75 100
110 9.6 17.1 51.2#
77 0.0 24.4 36.6#



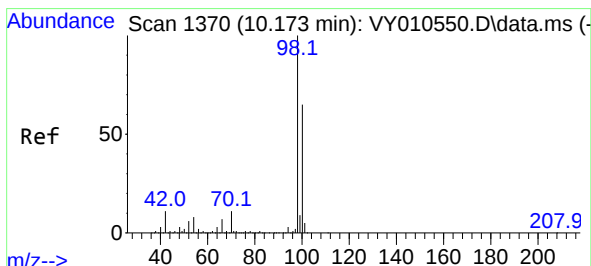
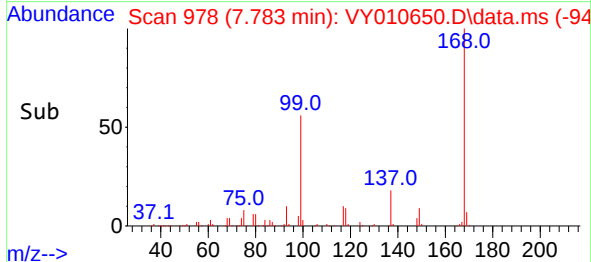
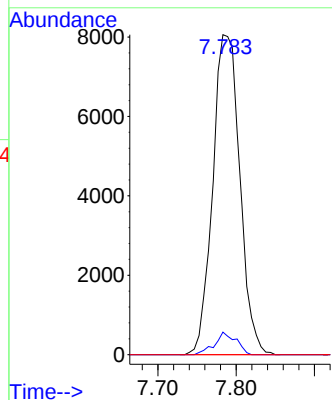


#38
Carbon Tetrachloride
Concen: 6.508 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010650.D
Acq: 23 Sep 2022 15:46

Instrument :
MSVOA_Y
ClientSampleId :
D22014-(17.5-18)

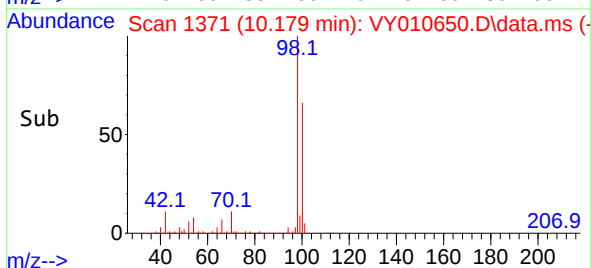
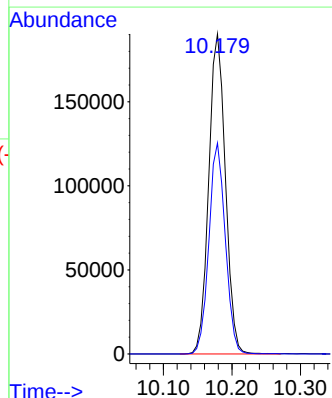
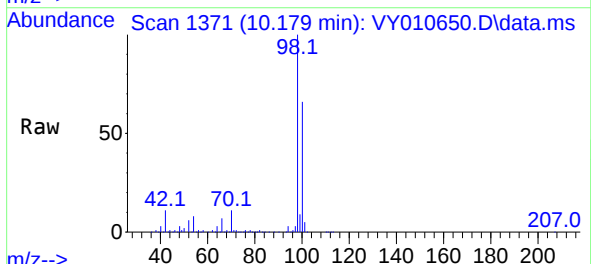


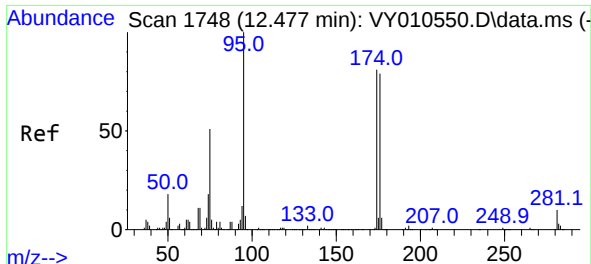
Tgt Ion: 117 Resp: 19362
Ion Ratio Lower Upper
117 100
119 7.1 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 38.394 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010650.D
Acq: 23 Sep 2022 15:46

Tgt Ion: 98 Resp: 322892
Ion Ratio Lower Upper
98 100
100 64.8 50.2 75.2

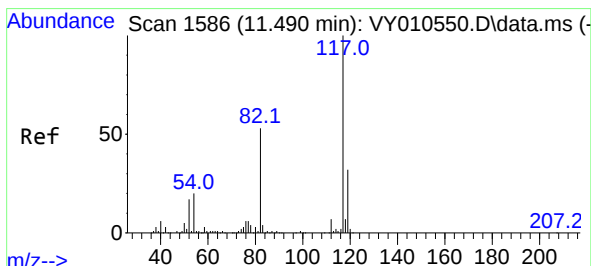
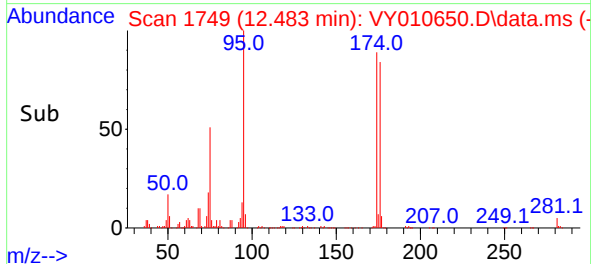
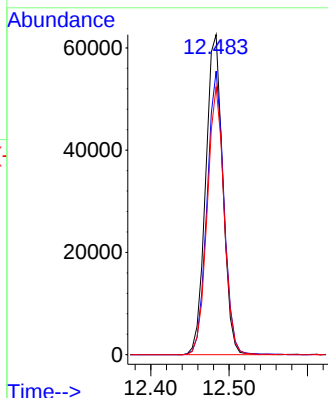
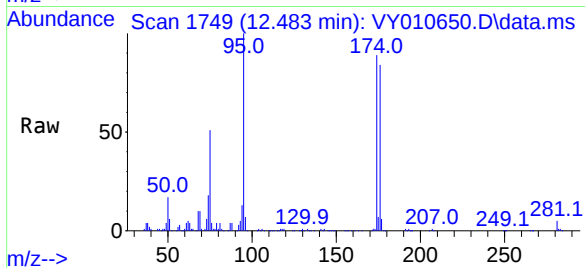




#62
4-Bromofluorobenzene
Concen: 28.559 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY010650.D
Acq: 23 Sep 2022 15:46

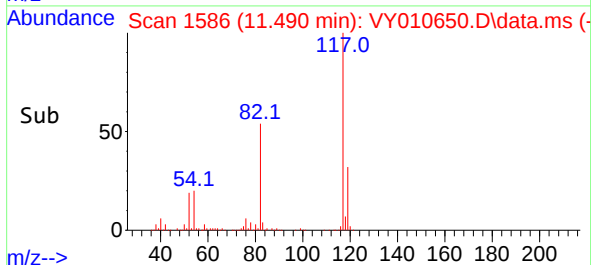
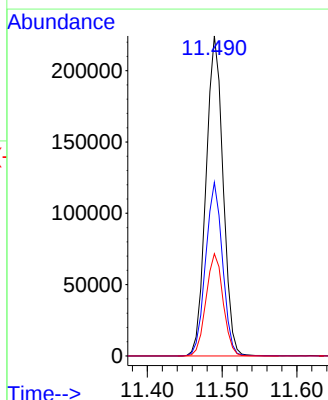
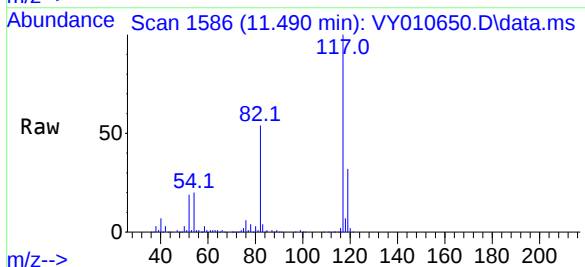
Instrument :
MSVOA_Y
ClientSampleId :
D22014-(17.5-18)

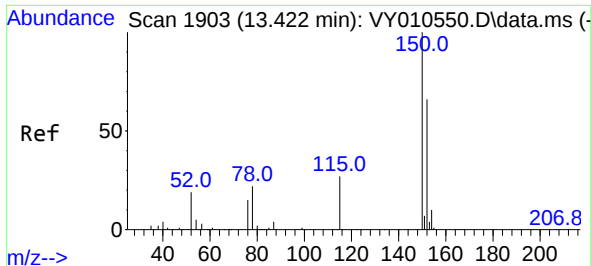
Tgt Ion:	95	Resp:	94657
Ion	Ratio	Lower	Upper
95	100		
174	87.8	0.0	177.0
176	82.3	0.0	175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY010650.D
Acq: 23 Sep 2022 15:46

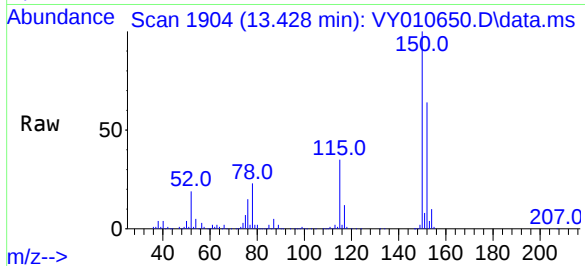
Tgt Ion:	117	Resp:	355594
Ion	Ratio	Lower	Upper
117	100		
82	54.2	43.0	64.4
119	32.0	25.4	38.0



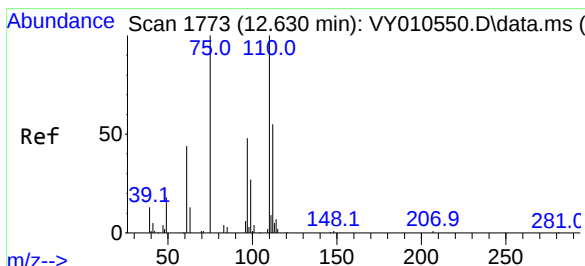
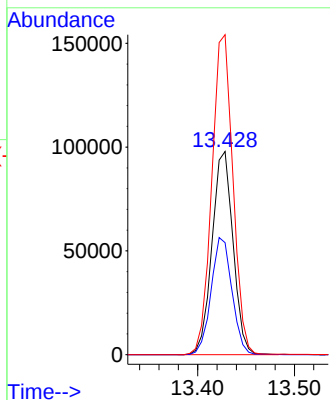
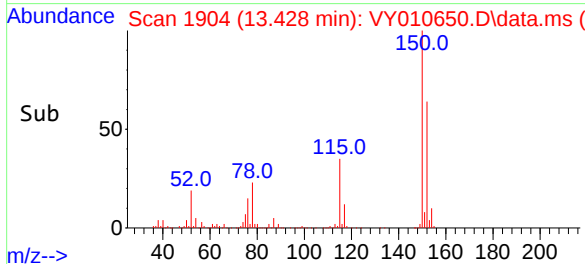


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY010650.D
Acq: 23 Sep 2022 15:46

Instrument :
MSVOA_Y
ClientSampleId :
D22014-(17.5-18)

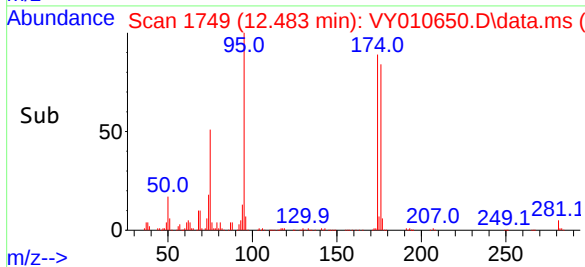
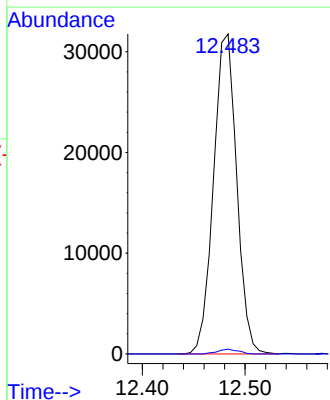
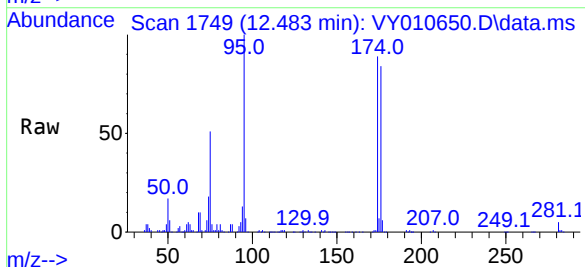


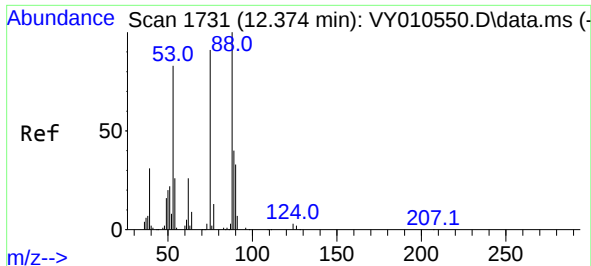
Tgt Ion:152 Resp: 147901
Ion Ratio Lower Upper
152 100
115 57.2 28.2 84.7
150 158.4 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 35.192 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY010650.D
Acq: 23 Sep 2022 15:46

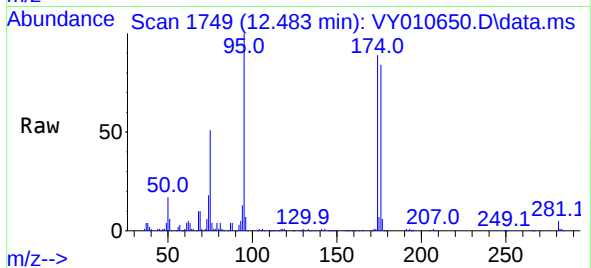
Tgt Ion: 75 Resp: 49678
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.248 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY010650.D
 Acq: 23 Sep 2022 15:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 D22014-(17.5-18)



Tgt Ion: 75 Resp: 49678

Ion	Ratio	Lower	Upper
75	100		
53	0.0	85.3	127.9#
89	0.0	37.0	55.4#

