

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112922\
 Data File : VY011626.D
 Acq On : 29 Nov 2022 16:45
 Operator : KP/MD
 Sample : N5801-01
 Misc : 4.94g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-13

Quant Time: Nov 30 04:44:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

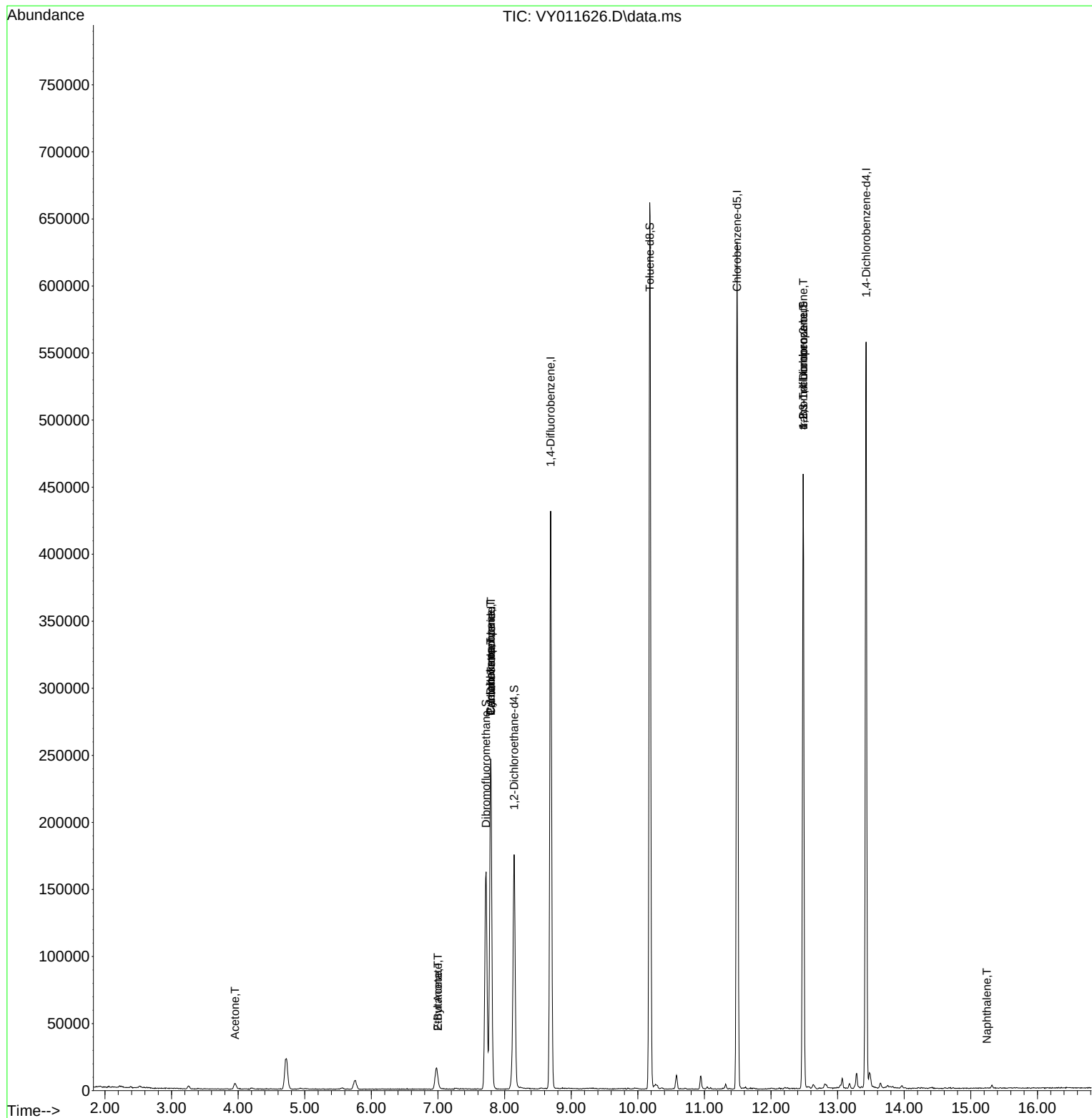
Internal Standards						
1) Pentafluorobenzene	7.795	168	188955	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	349212	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	332864	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	139192	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	127982	66.704	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.400%	
35) Dibromofluoromethane	7.722	113	114278	53.159	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.320%	
50) Toluene-d8	10.179	98	432753	55.397	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 110.800%	
62) 4-Bromofluorobenzene	12.483	95	136035	47.099	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 94.200%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	285	Below Cal		89
3) Chloromethane	2.113	50	199	Below Cal	#	44
5) Bromomethane	2.668	94	104	Below Cal	#	72
11) Tert butyl alcohol	4.936	59	538	Below Cal	#	77
16) Acetone	3.954	43	7478	11.999	ug/l	98
18) Methyl Acetate	4.491	43	287	Below Cal	#	56
20) Methylene Chloride	4.728	84	17592	Below Cal		84
25) 2-Butanone	6.996	43	3281	4.006	ug/l	92
31) Cyclohexane	7.789	56	4234	1.331	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	14624	4.352	ug/l #	51
37) Ethyl Acetate	6.996	43	3281	1.715	ug/l #	72
38) Carbon Tetrachloride	7.795	117	19718	5.245	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	72546	48.396	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	72546	106.004	ug/l #	7
95) Naphthalene	15.239	128	236	4.064	ug/l #	69

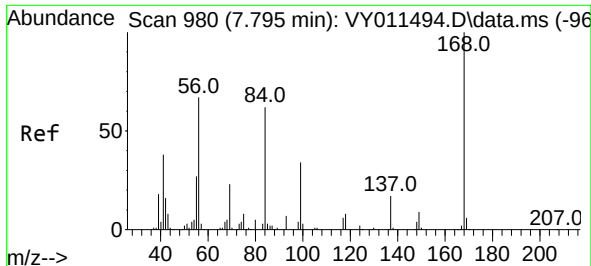
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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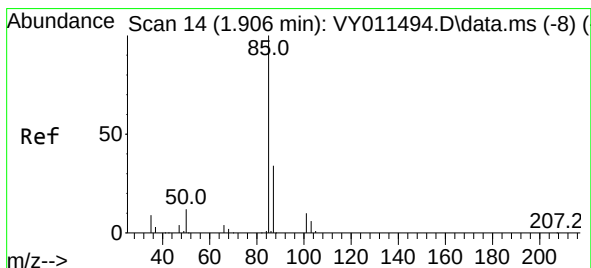
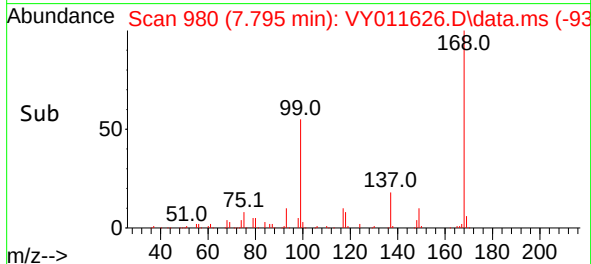
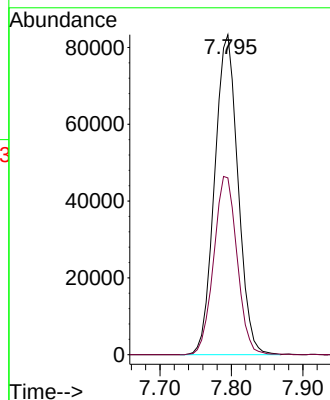
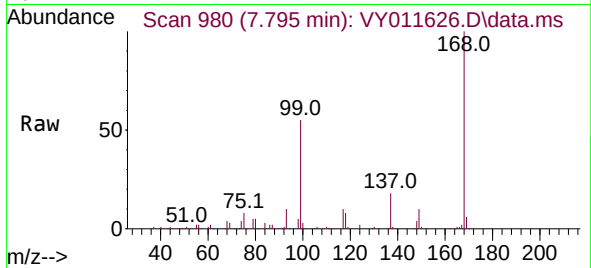




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011626.D
Acq: 29 Nov 2022 16:45

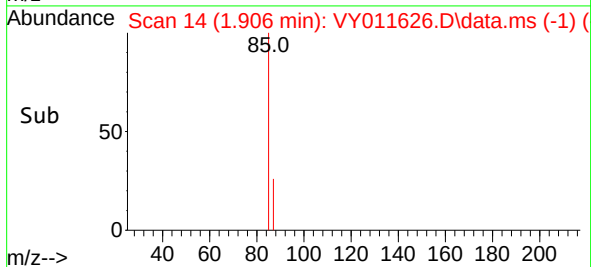
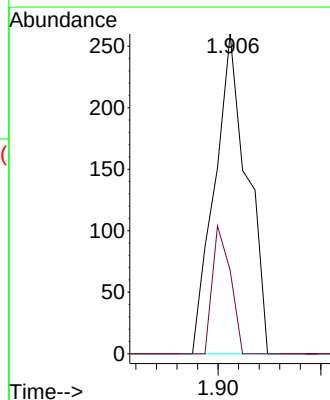
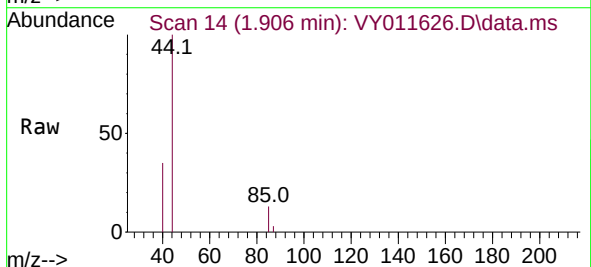
Instrument :
MSVOA_Y
ClientSampleId :
TP-13

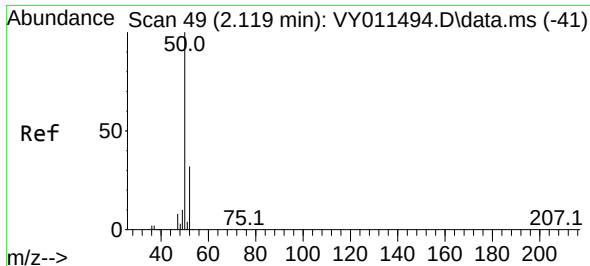
Tgt Ion:168 Resp: 188955
Ion Ratio Lower Upper
168 100
99 55.3 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011626.D
Acq: 29 Nov 2022 16:45

Tgt Ion: 85 Resp: 285
Ion Ratio Lower Upper
85 100
87 26.2 16.1 48.2

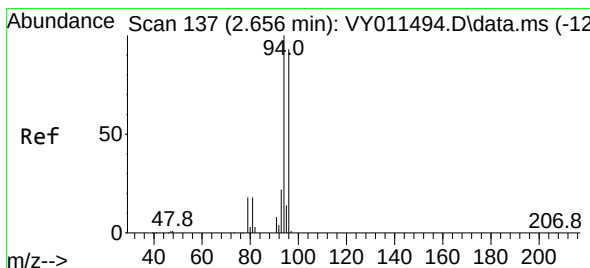
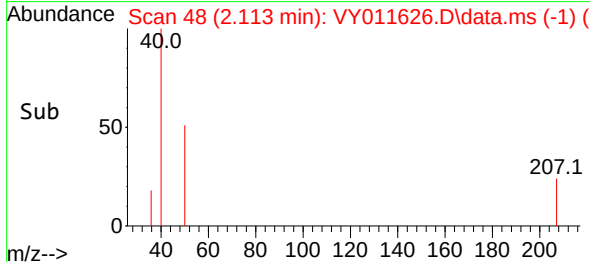
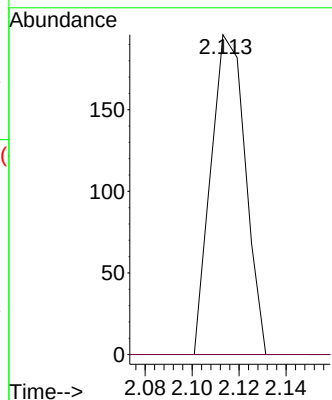
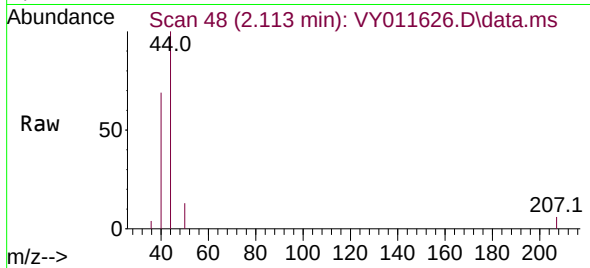




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011626.D
Acq: 29 Nov 2022 16:45

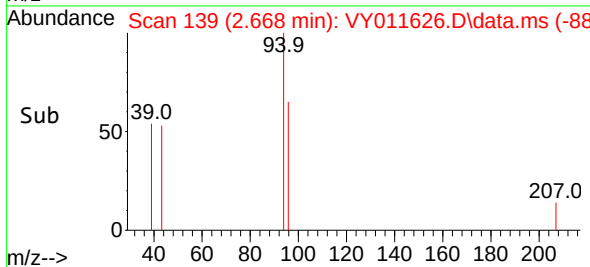
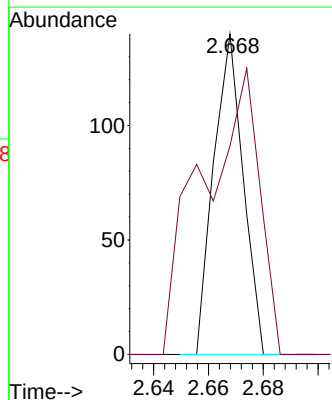
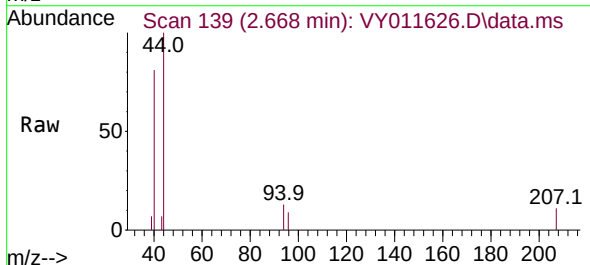
Instrument :
MSVOA_Y
ClientSampleId :
TP-13

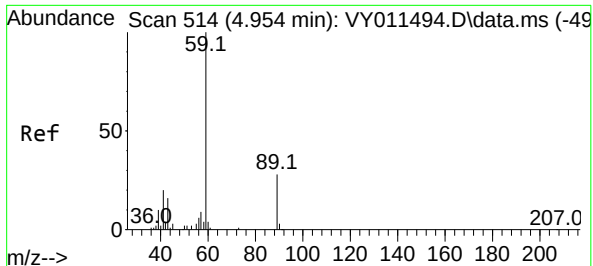
Tgt Ion: 50 Resp: 199
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.012 min
Lab File: VY011626.D
Acq: 29 Nov 2022 16:45

Tgt Ion: 94 Resp: 104
Ion Ratio Lower Upper
94 100
96 65.0 73.5 110.3#

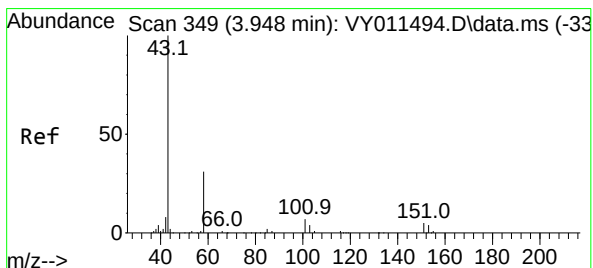
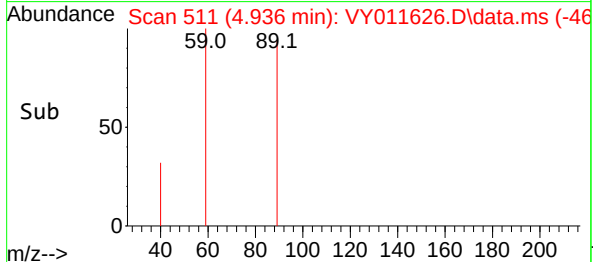
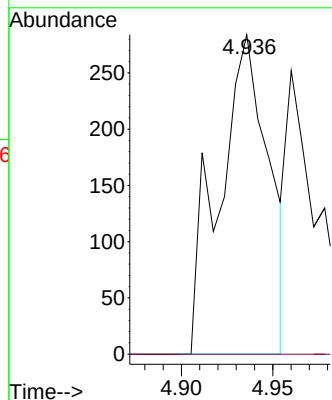
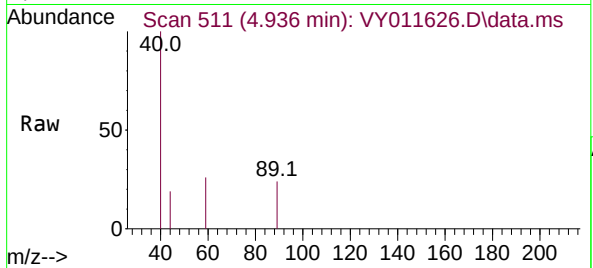




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 514
Delta R.T. -0.018 min
Lab File: VY011626.D
Acq: 29 Nov 2022 16:45

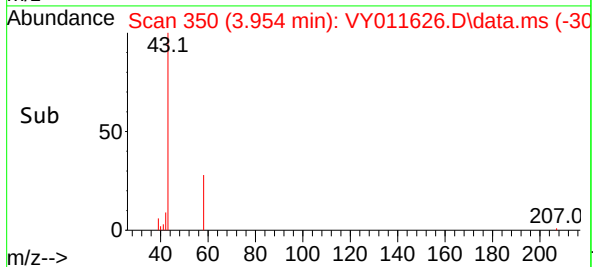
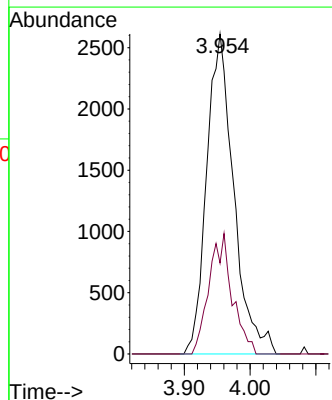
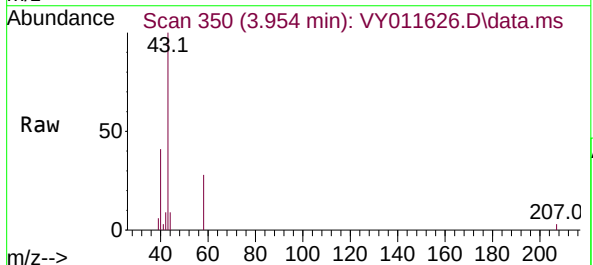
Instrument :
MSVOA_Y
ClientSampleId :
TP-13

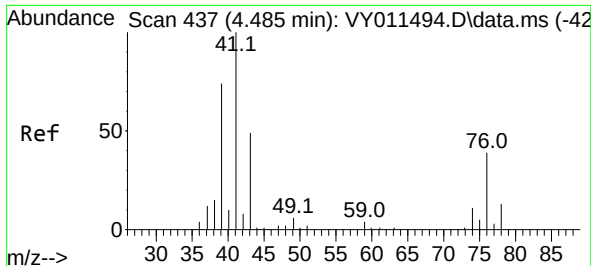
Tgt Ion: 59 Resp: 538
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 11.999 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY011626.D
Acq: 29 Nov 2022 16:45

Tgt Ion: 43 Resp: 7478
Ion Ratio Lower Upper
43 100
58 28.4 22.0 33.0

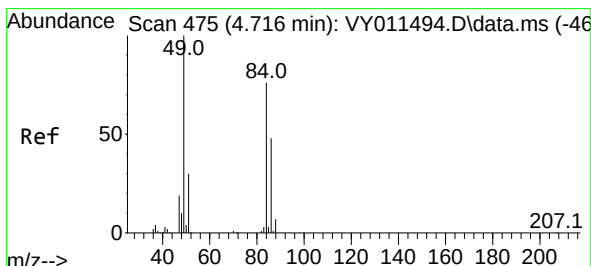
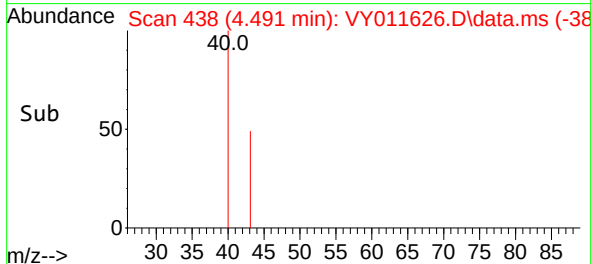
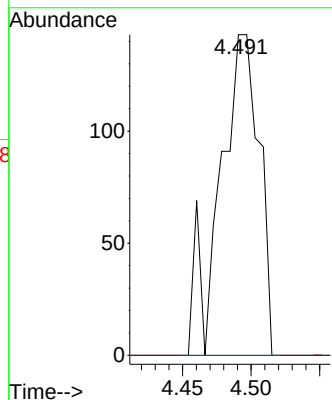
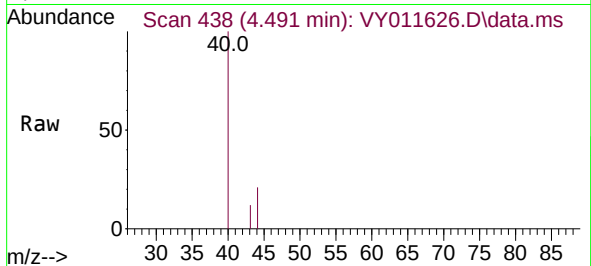




#18
Methyl Acetate
Concen: Below Cal
RT: 4.491 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY011626.D
Acq: 29 Nov 2022 16:45

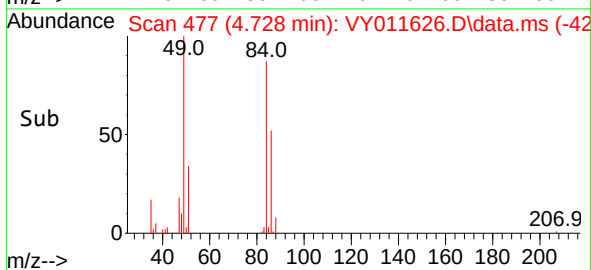
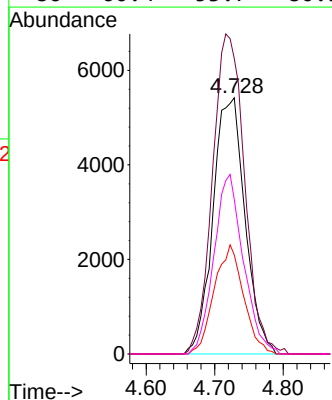
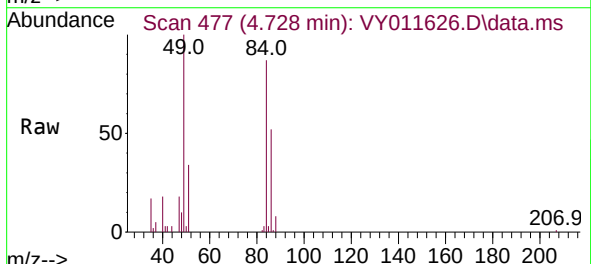
Instrument :
MSVOA_Y
ClientSampleId :
TP-13

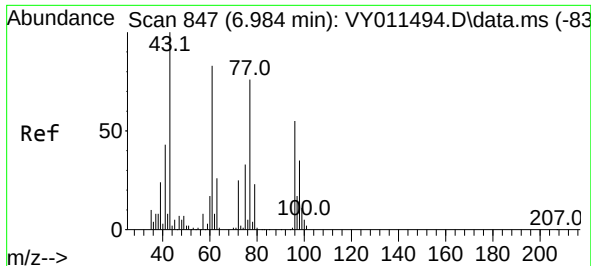
Tgt Ion: 43 Resp: 287
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.728 min Scan# 477
Delta R.T. 0.012 min
Lab File: VY011626.D
Acq: 29 Nov 2022 16:45

Tgt Ion: 84 Resp: 17592
Ion Ratio Lower Upper
84 100
49 115.3 114.4 171.6
51 38.6 35.3 52.9
86 60.4 53.7 80.5





#25

2-Butanone

Concen: 4.006 ug/l

RT: 6.996 min Scan# 847

Delta R.T. 0.012 min

Lab File: VY011626.D

Acq: 29 Nov 2022 16:45

Instrument :

MSVOA_Y

ClientSampleId :

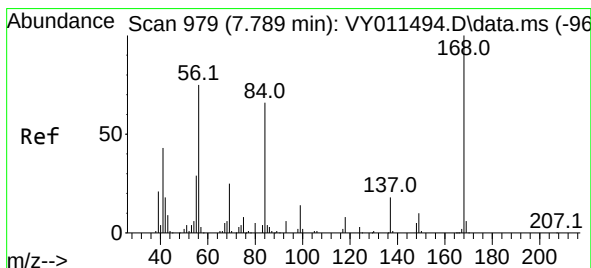
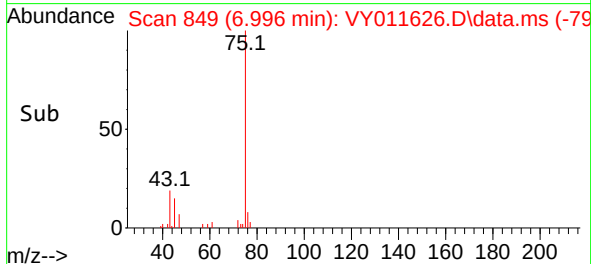
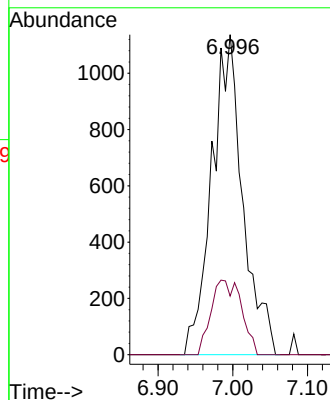
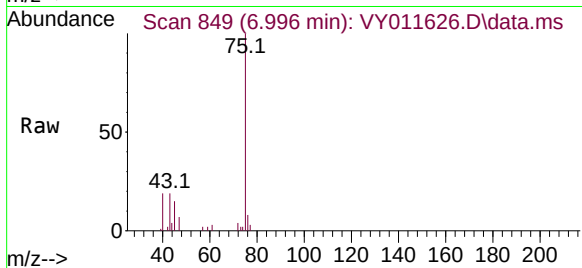
TP-13

Tgt Ion: 43 Resp: 3281

Ion Ratio Lower Upper

43 100

72 18.3 17.7 26.5



#31

Cyclohexane

Concen: 1.331 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY011626.D

Acq: 29 Nov 2022 16:45

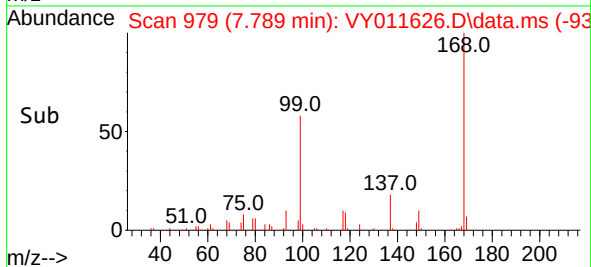
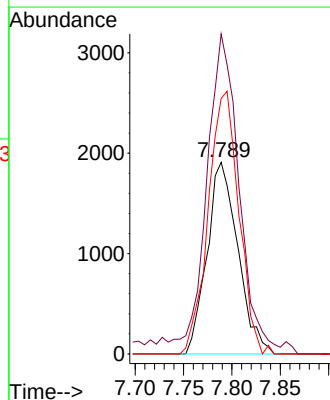
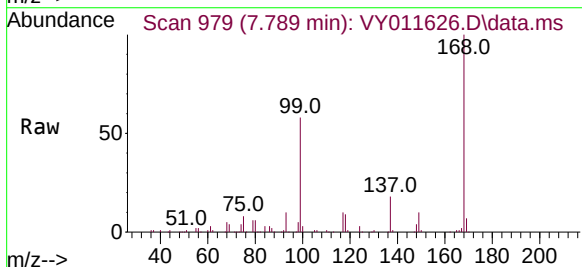
Tgt Ion: 56 Resp: 4234

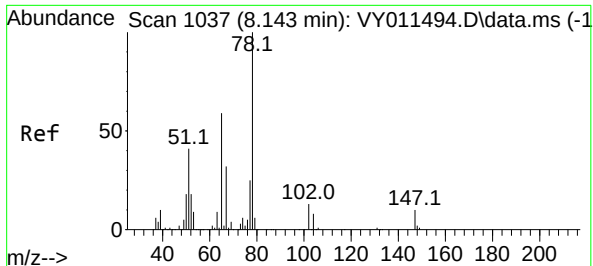
Ion Ratio Lower Upper

56 100

69 163.5 26.7 40.1#

84 133.4 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 66.704 ug/l

RT: 8.142 min Scan# 1

Delta R.T. -0.001 min

Lab File: VY011626.D

Acq: 29 Nov 2022 16:45

Instrument :

MSVOA_Y

ClientSampleId :

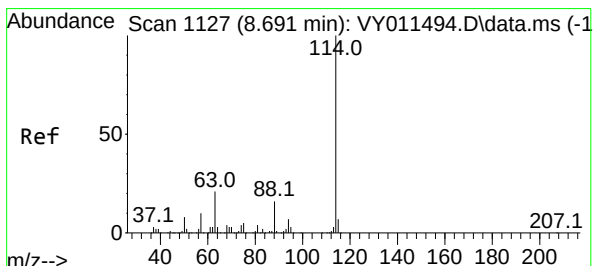
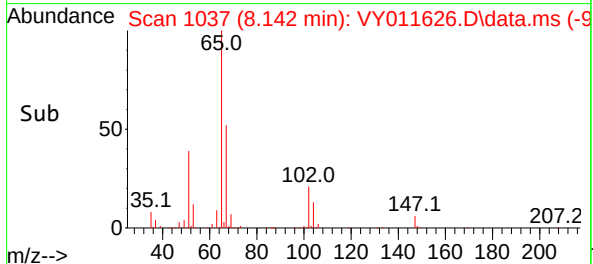
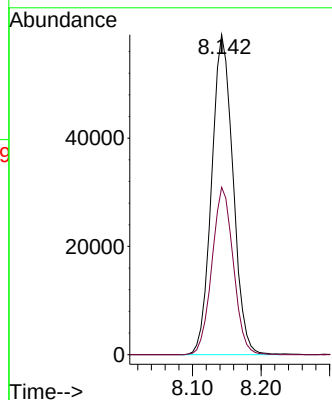
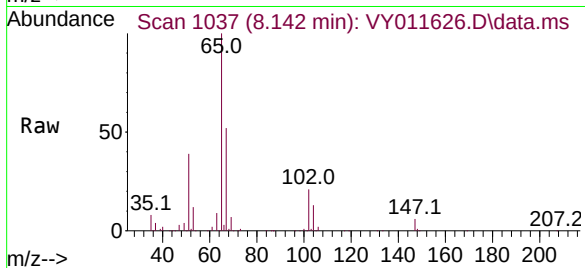
TP-13

Tgt Ion: 65 Resp: 127982

Ion Ratio Lower Upper

65 100

67 52.2 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011626.D

Acq: 29 Nov 2022 16:45

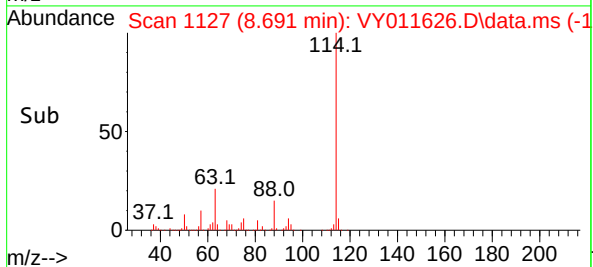
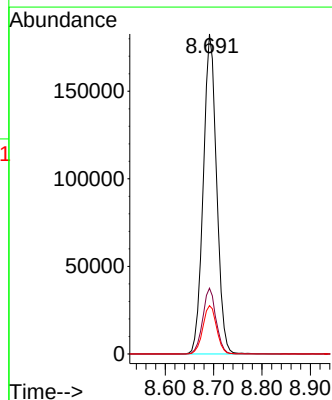
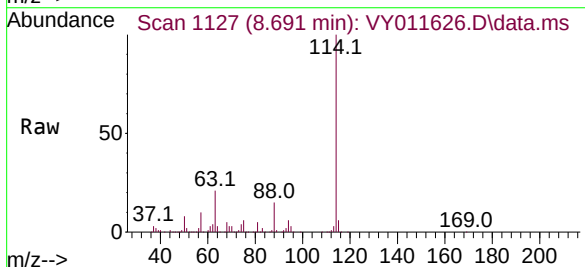
Tgt Ion: 114 Resp: 349212

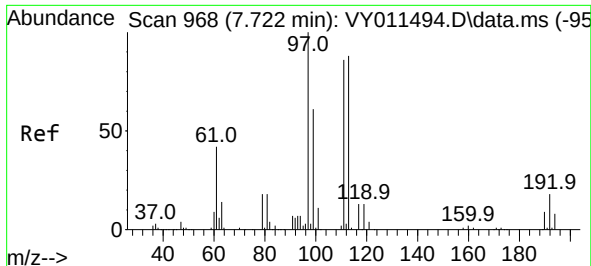
Ion Ratio Lower Upper

114 100

63 20.5 0.0 43.2

88 15.1 0.0 31.8

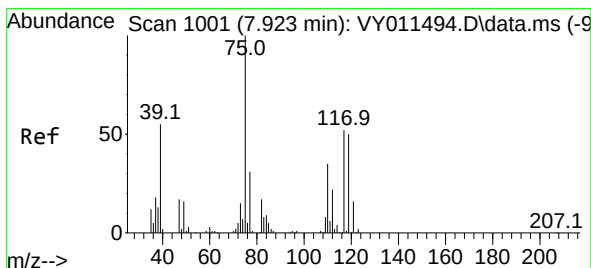
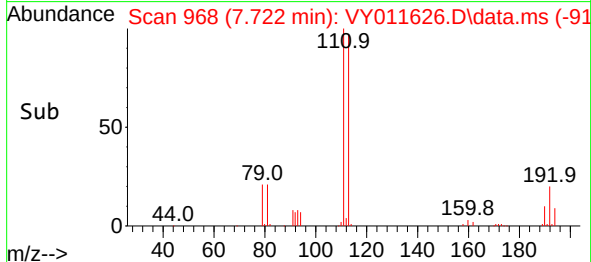
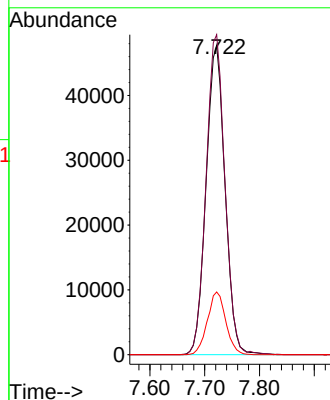
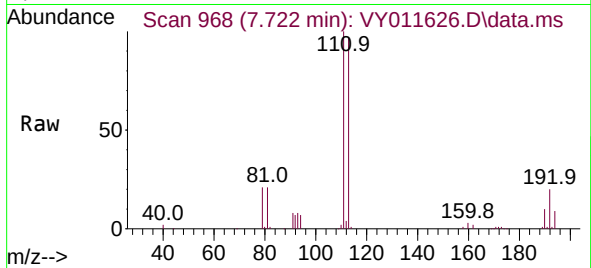




#35
Dibromofluoromethane
Concen: 53.159 ug/l
RT: 7.722 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY011626.D
Acq: 29 Nov 2022 16:45

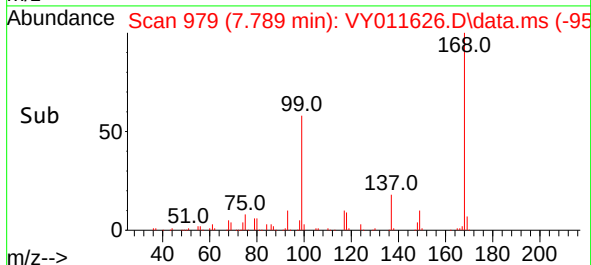
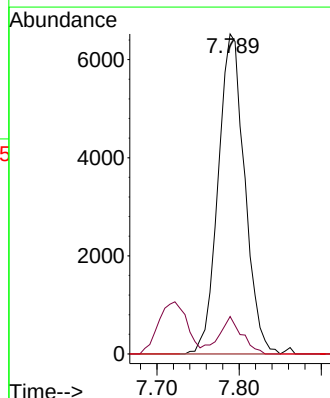
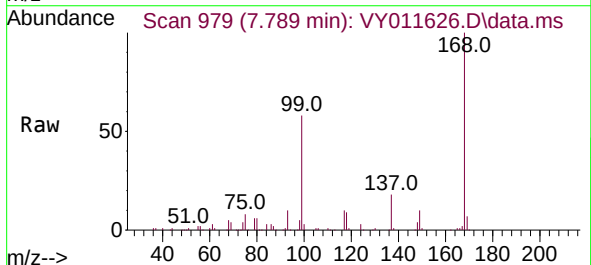
Instrument :
MSVOA_Y
ClientSampleId :
TP-13

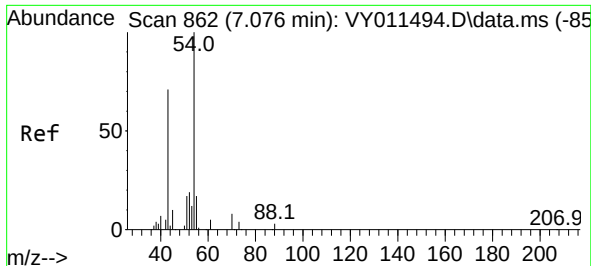
Tgt Ion:113 Resp: 114278
Ion Ratio Lower Upper
113 100
111 103.0 82.6 124.0
192 19.7 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.352 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY011626.D
Acq: 29 Nov 2022 16:45

Tgt Ion: 75 Resp: 14624
Ion Ratio Lower Upper
75 100
110 9.3 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.715 ug/l

RT: 6.996 min Scan# 84

Delta R.T. -0.080 min

Lab File: VY011626.D

Acq: 29 Nov 2022 16:45

Instrument :

MSVOA_Y

ClientSampleId :

TP-13

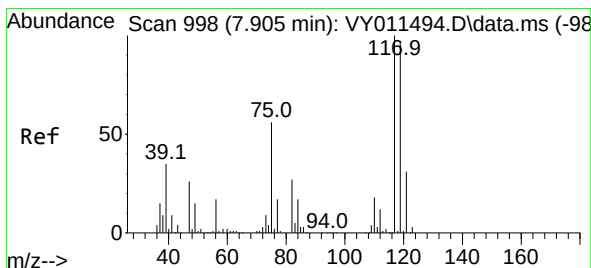
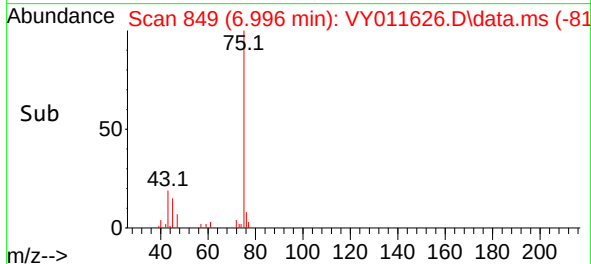
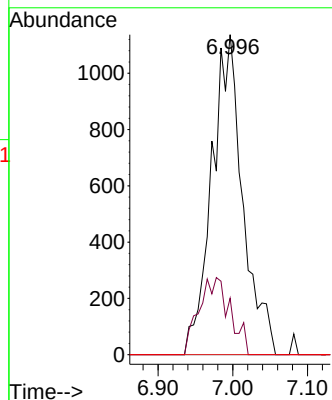
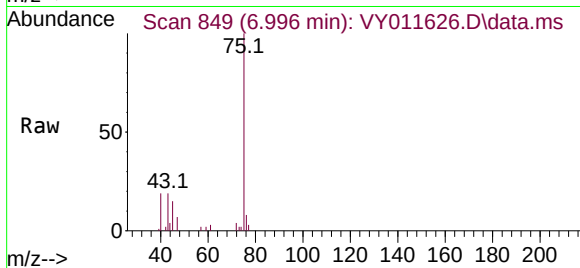
Tgt Ion: 43 Resp: 3281

Ion Ratio Lower Upper

43 100

61 24.3 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.245 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.110 min

Lab File: VY011626.D

Acq: 29 Nov 2022 16:45

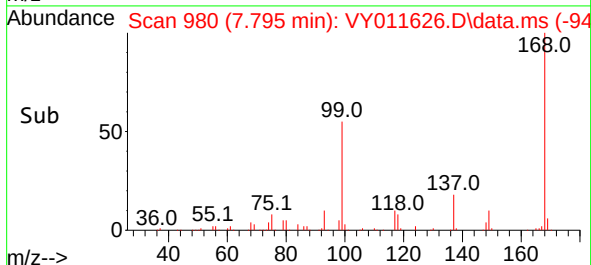
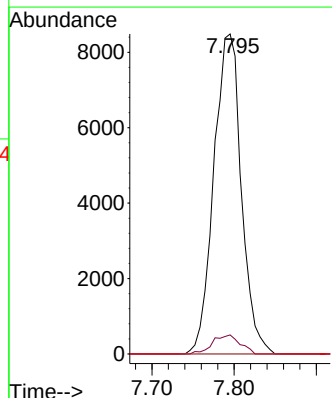
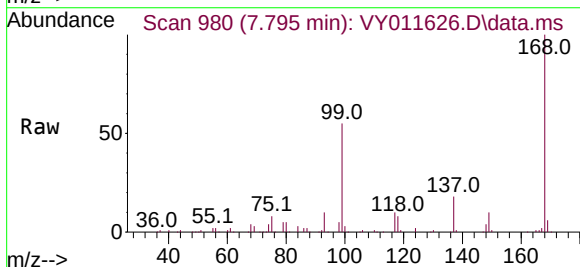
Tgt Ion: 117 Resp: 19718

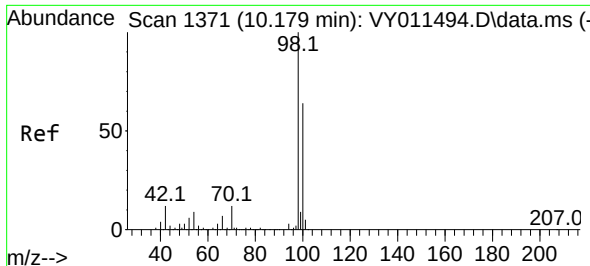
Ion Ratio Lower Upper

117 100

119 6.0 77.9 116.9#

121 0.0 24.8 37.2#

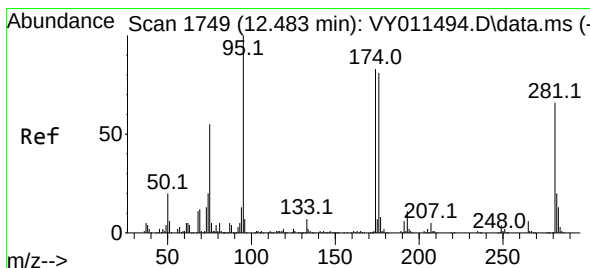
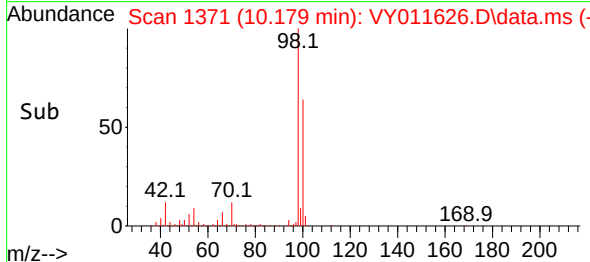
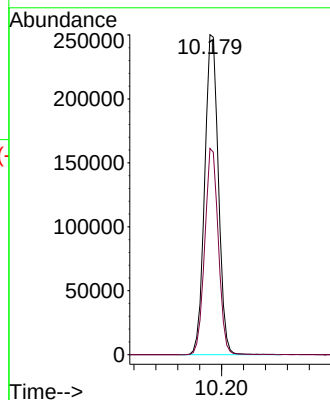
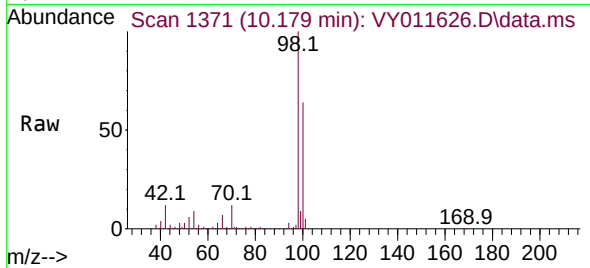




#50
Toluene-d8
Concen: 55.397 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011626.D
Acq: 29 Nov 2022 16:45

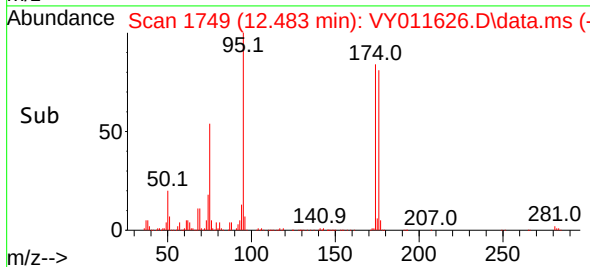
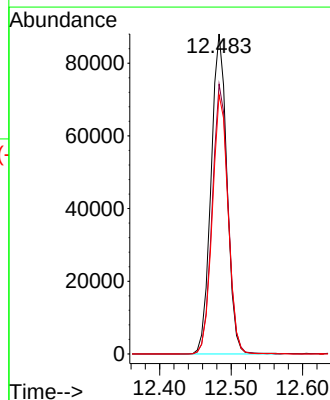
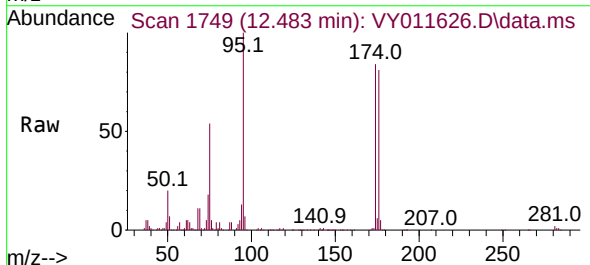
Instrument :
MSVOA_Y
ClientSampleId :
TP-13

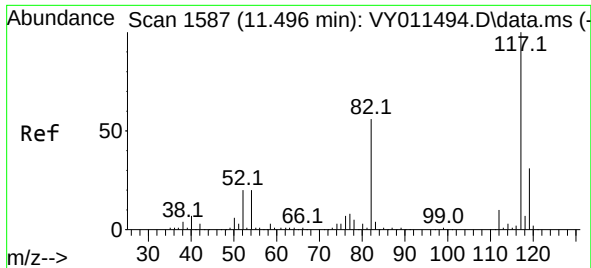
Tgt Ion: 98 Resp: 432753
Ion Ratio Lower Upper
98 100
100 63.8 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 47.099 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011626.D
Acq: 29 Nov 2022 16:45

Tgt Ion: 95 Resp: 136035
Ion Ratio Lower Upper
95 100
174 83.9 0.0 177.0
176 80.5 0.0 175.8

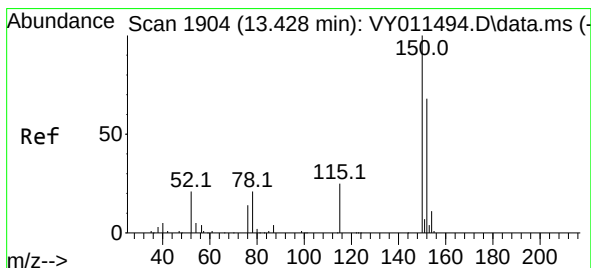
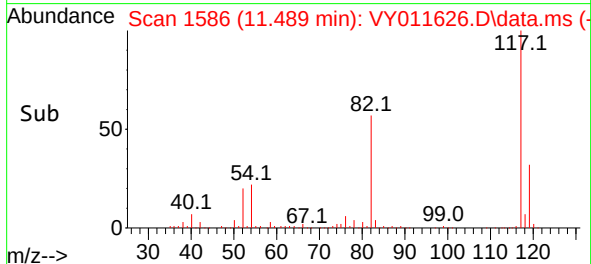
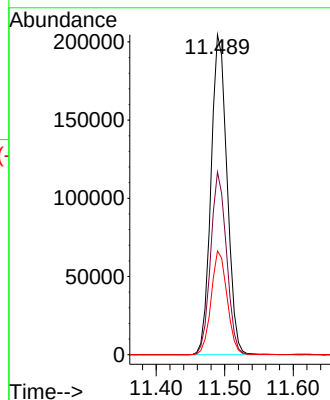
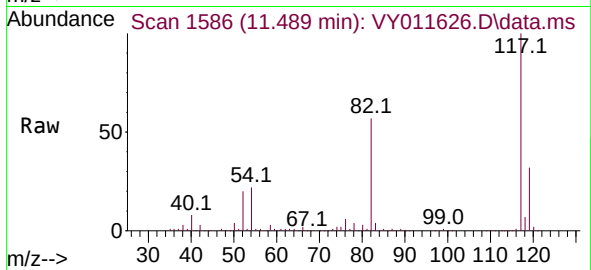




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.007 min
Lab File: VY011626.D
Acq: 29 Nov 2022 16:45

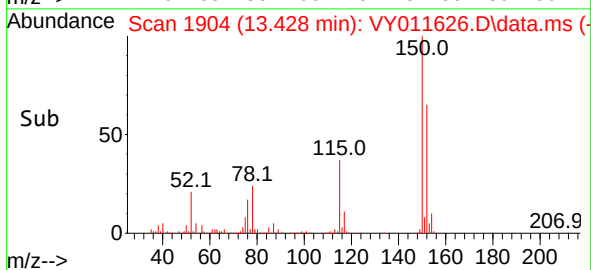
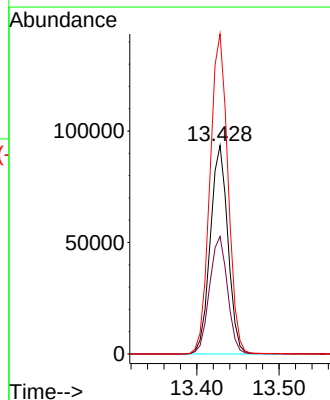
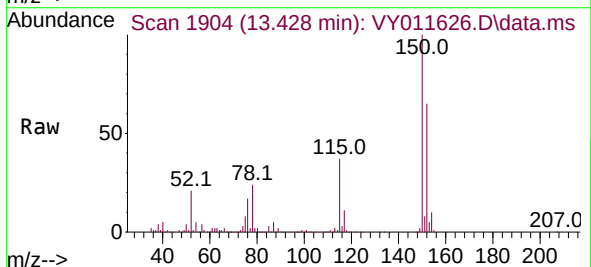
Instrument :
MSVOA_Y
ClientSampleId :
TP-13

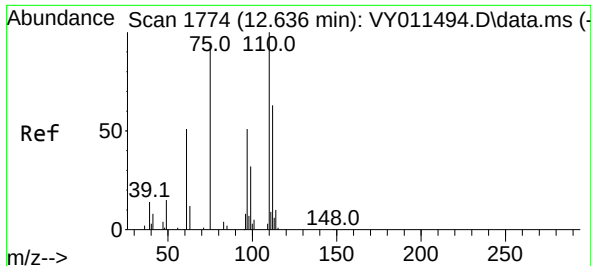
Tgt Ion:117 Resp: 332864
Ion Ratio Lower Upper
117 100
82 57.1 43.0 64.4
119 32.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011626.D
Acq: 29 Nov 2022 16:45

Tgt Ion:152 Resp: 139192
Ion Ratio Lower Upper
152 100
115 57.6 28.2 84.7
150 156.9 0.0 347.6

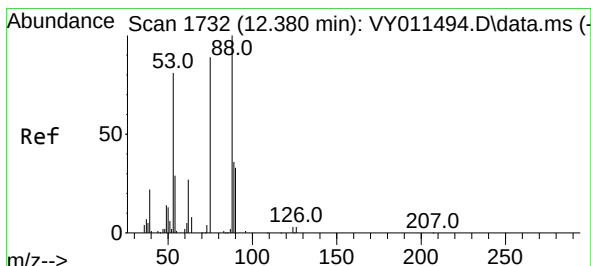
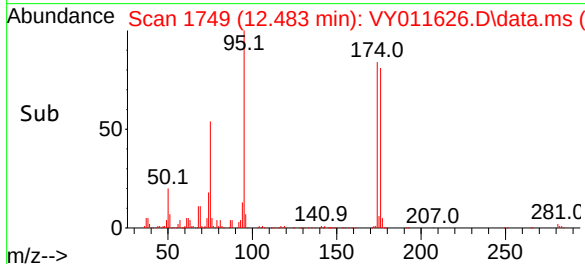
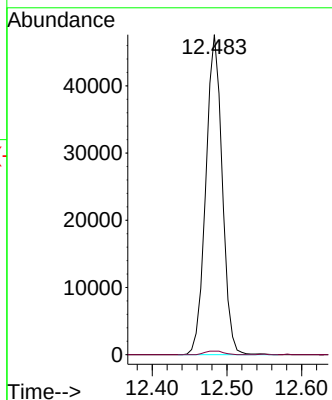
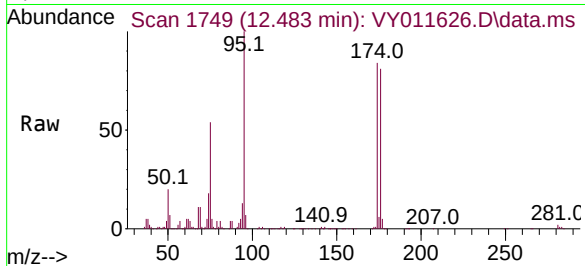




#76
1,2,3-Trichloropropane
Concen: 48.396 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011626.D
Acq: 29 Nov 2022 16:45

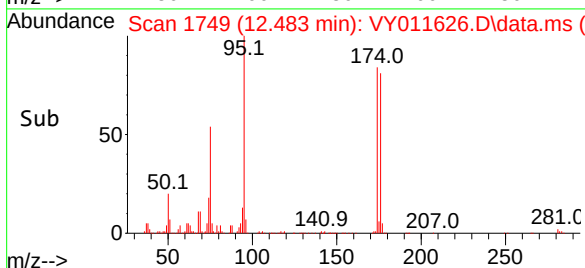
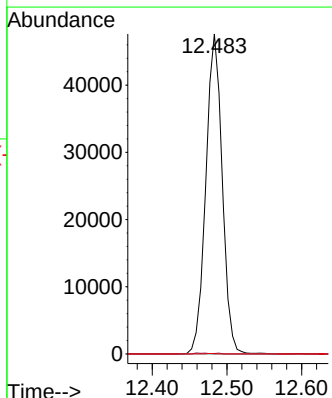
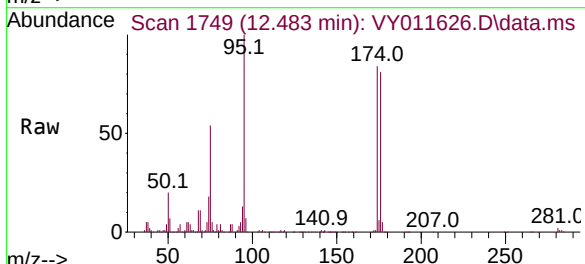
Instrument :
MSVOA_Y
ClientSampleId :
TP-13

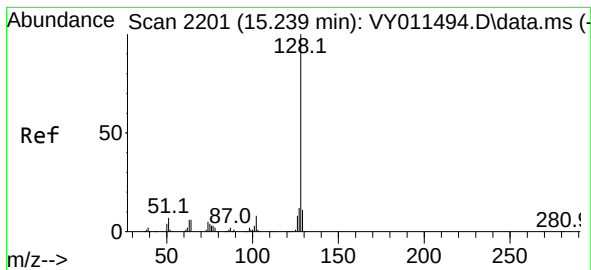
Tgt Ion: 75 Resp: 72546
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 106.004 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011626.D
Acq: 29 Nov 2022 16:45

Tgt Ion: 75 Resp: 72546
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#





#95
Naphthalene
Concen: 4.064 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY011626.D
Acq: 29 Nov 2022 16:45

Instrument :
MSVOA_Y
ClientSampleId :
TP-13

Tgt Ion:128 Resp: 236
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

