

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112922\
 Data File : VY011618.D
 Acq On : 29 Nov 2022 13:36
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Nov 30 04:42:34 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)

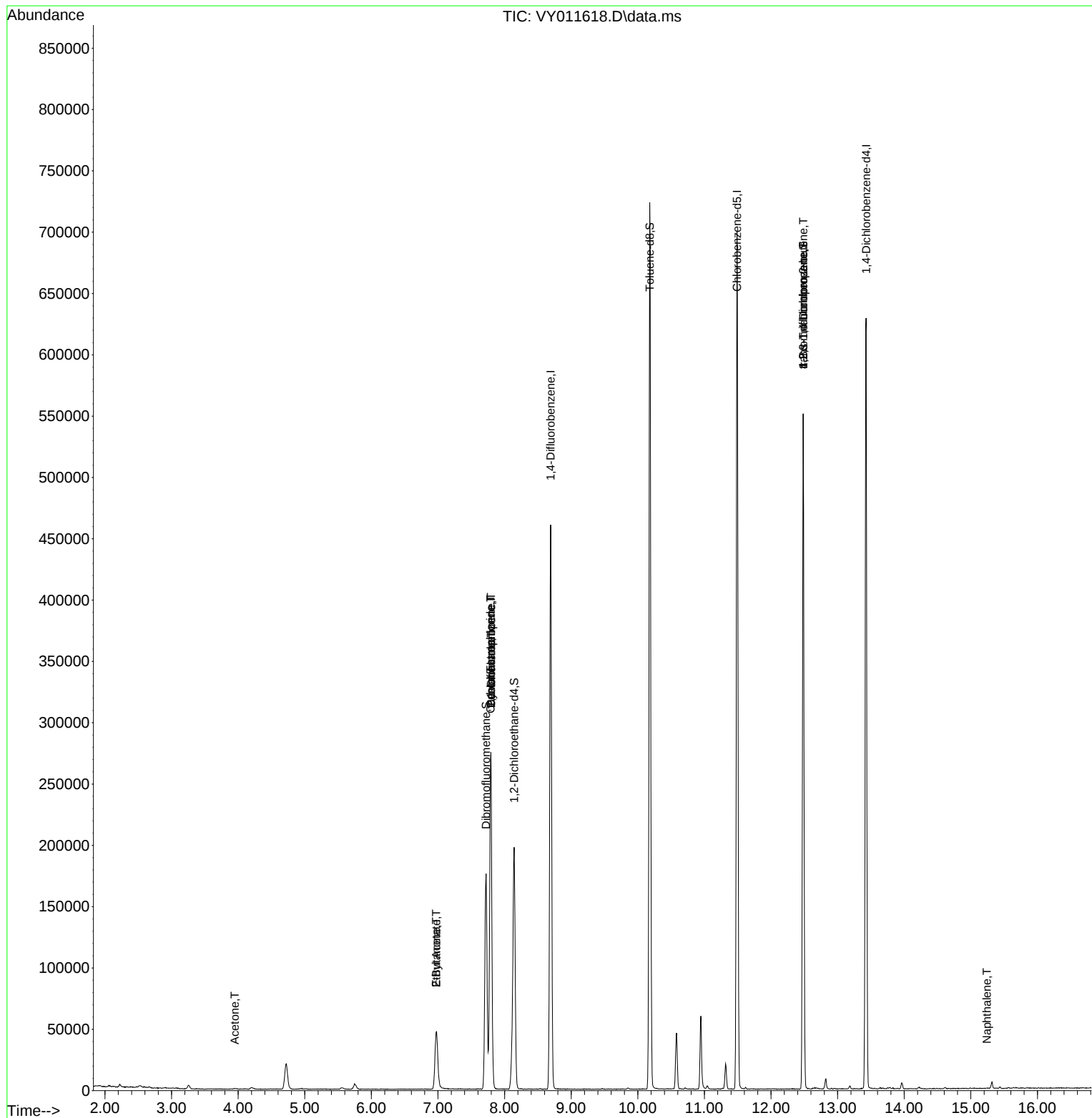
Internal Standards						
1) Pentafluorobenzene	7.795	168	211831	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	386783	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	370936	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	163278	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	137838	64.083	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 128.160%			
35) Dibromofluoromethane	7.722	113	122965	51.644	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.280%			
50) Toluene-d8	10.179	98	467657	54.050	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.100%			
62) 4-Bromofluorobenzene	12.483	95	157288	49.167	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 98.340%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	351	Below Cal	#	43
3) Chloromethane	2.119	50	289	Below Cal		89
5) Bromomethane	2.674	94	218	Below Cal	#	73
11) Tert butyl alcohol	4.942	59	549	Below Cal	#	87
16) Acetone	3.948	43	1127	1.613	ug/l #	47
18) Methyl Acetate	4.479	43	334	Below Cal	#	56
20) Methylene Chloride	4.722	84	14979	Below Cal		90
25) 2-Butanone	6.972	43	2665	2.902	ug/l #	84
31) Cyclohexane	7.795	56	4298	1.206	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	16615	4.464	ug/l #	52
37) Ethyl Acetate	6.972	43	2665	1.257	ug/l #	1
38) Carbon Tetrachloride	7.789	117	21199	5.091	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	83623	47.556	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	83623	104.165	ug/l #	7
95) Naphthalene	15.239	128	332	4.073	ug/l #	69

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

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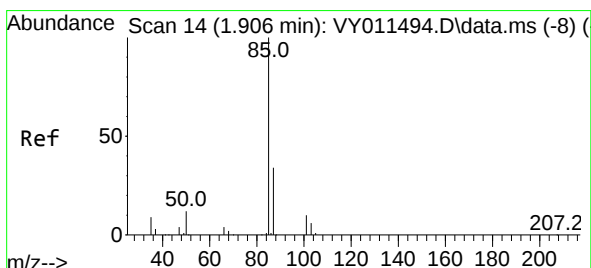
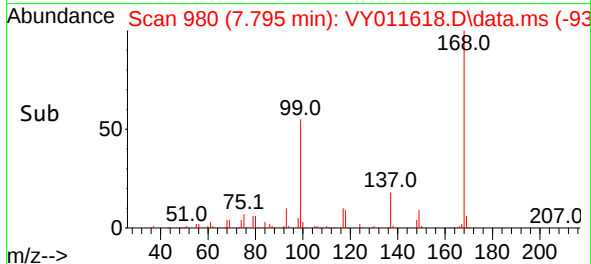
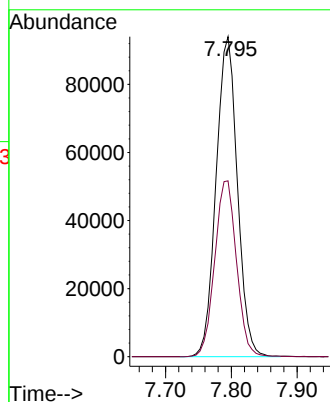
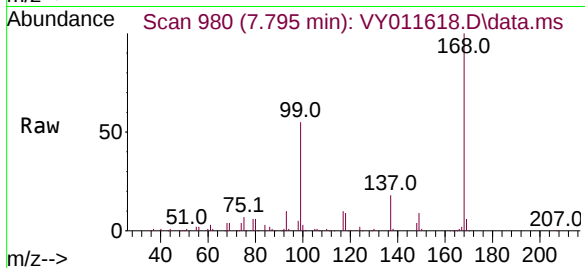




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011618.D
Acq: 29 Nov 2022 13:36

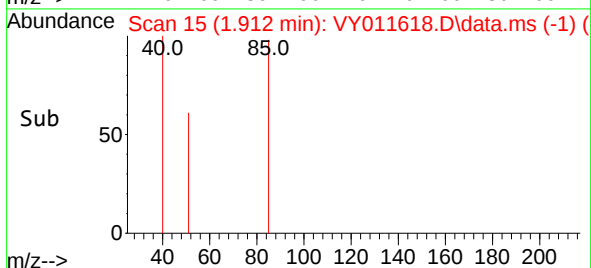
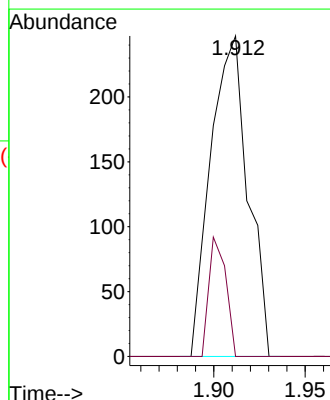
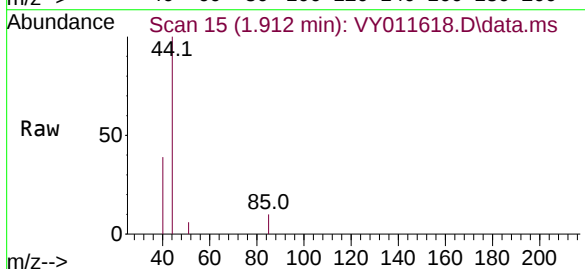
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

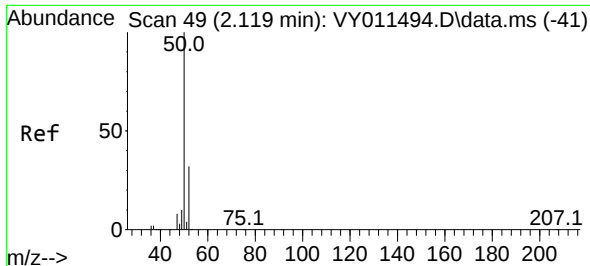
Tgt Ion:168 Resp: 211831
Ion Ratio Lower Upper
168 100
99 55.0 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY011618.D
Acq: 29 Nov 2022 13:36

Tgt Ion: 85 Resp: 351
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

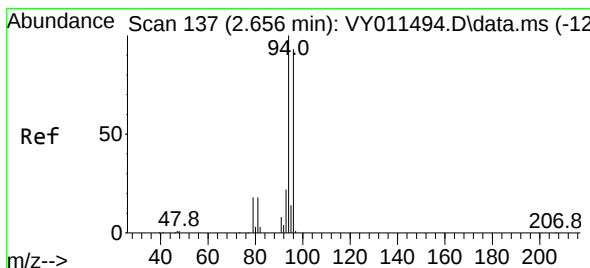
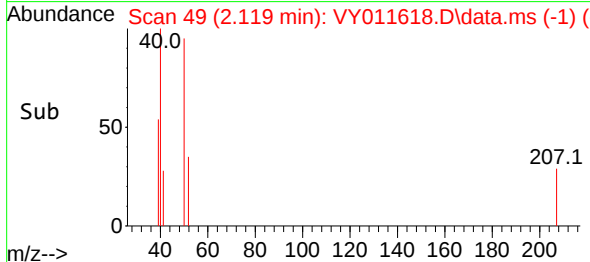
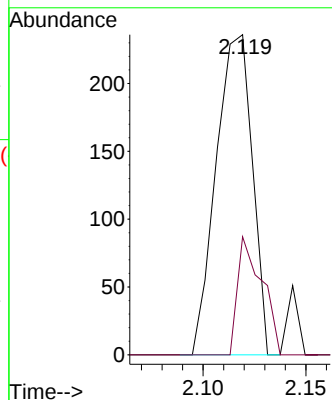
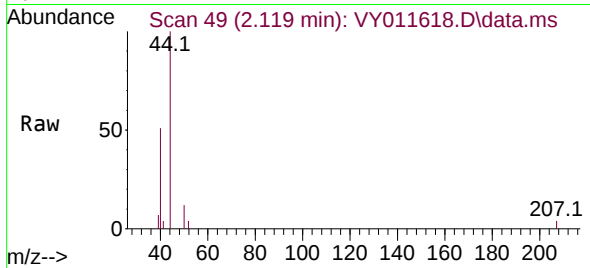




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY011618.D
Acq: 29 Nov 2022 13:36

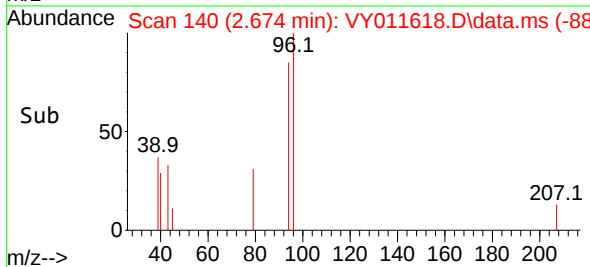
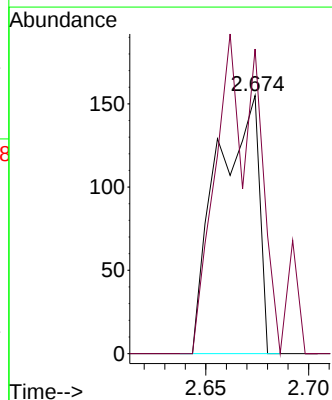
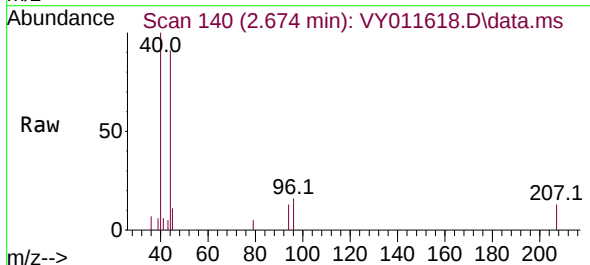
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

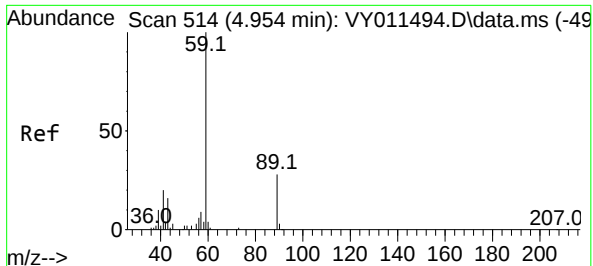
Tgt Ion: 50 Resp: 289
Ion Ratio Lower Upper
50 100
52 36.9 24.6 37.0



#5
Bromomethane
Concen: Below Cal
RT: 2.674 min Scan# 140
Delta R.T. 0.018 min
Lab File: VY011618.D
Acq: 29 Nov 2022 13:36

Tgt Ion: 94 Resp: 218
Ion Ratio Lower Upper
94 100
96 118.1 73.5 110.3#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.942 min Scan# 514

Delta R.T. -0.012 min

Lab File: VY011618.D

Acq: 29 Nov 2022 13:36

Instrument :

MSVOA_Y

ClientSampleId :

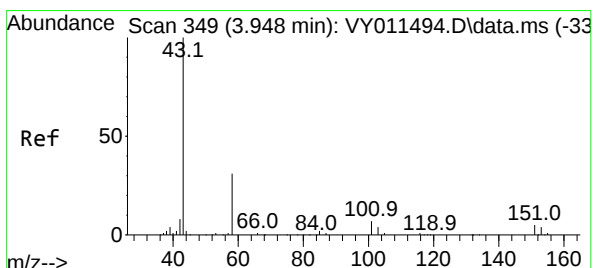
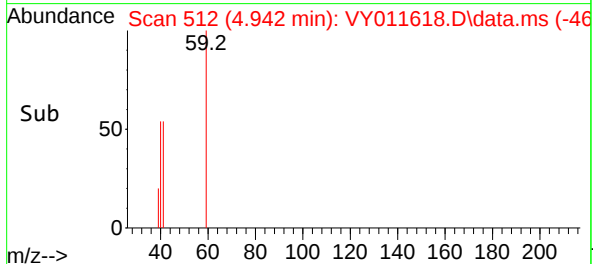
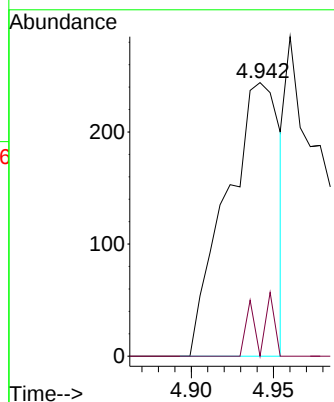
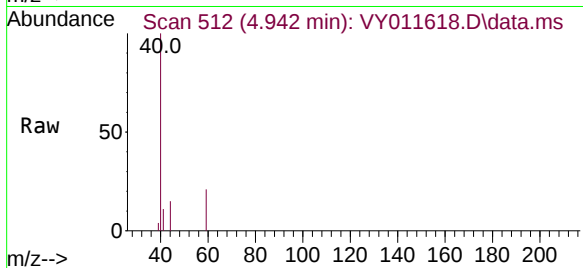
VIBLK

Tgt Ion: 59 Resp: 549

Ion Ratio Lower Upper

59 100

57 3.3 6.4 9.6#



#16

Acetone

Concen: 1.613 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY011618.D

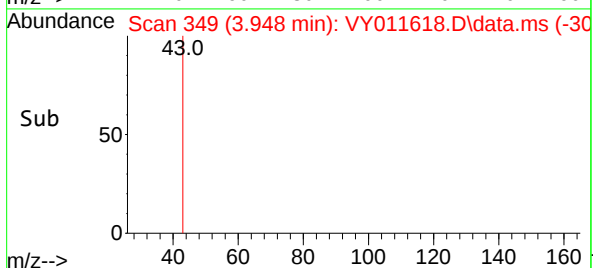
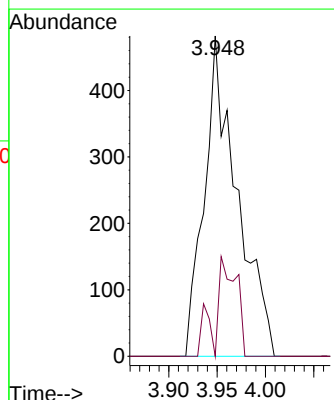
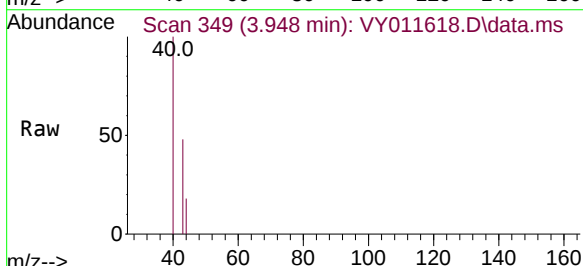
Acq: 29 Nov 2022 13:36

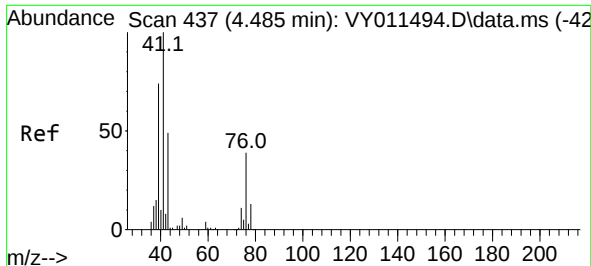
Tgt Ion: 43 Resp: 1127

Ion Ratio Lower Upper

43 100

58 0.0 22.0 33.0#

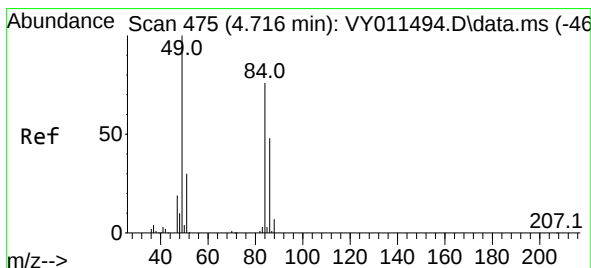
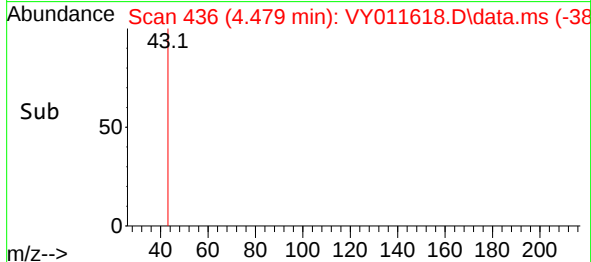
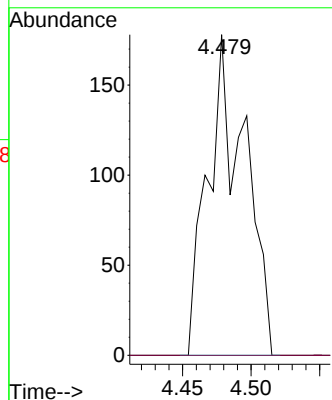
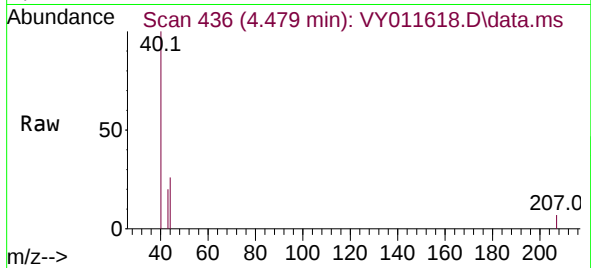




#18
Methyl Acetate
Concen: Below Cal
RT: 4.479 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011618.D
Acq: 29 Nov 2022 13:36

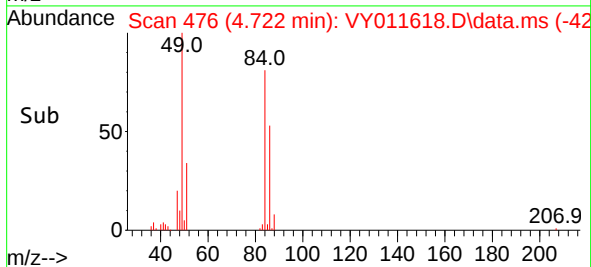
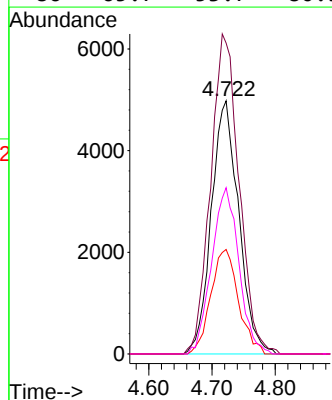
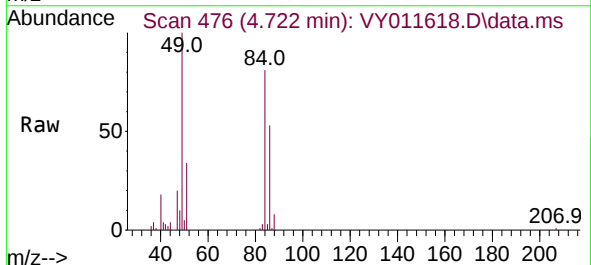
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

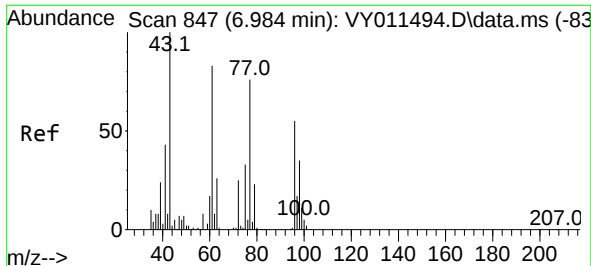
Tgt Ion: 43 Resp: 334
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY011618.D
Acq: 29 Nov 2022 13:36

Tgt Ion: 84 Resp: 14979
Ion Ratio Lower Upper
84 100
49 122.8 114.4 171.6
51 41.3 35.3 52.9
86 65.7 53.7 80.5





#25

2-Butanone

Concen: 2.902 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY011618.D

Acq: 29 Nov 2022 13:36

Instrument :

MSVOA_Y

ClientSampleId :

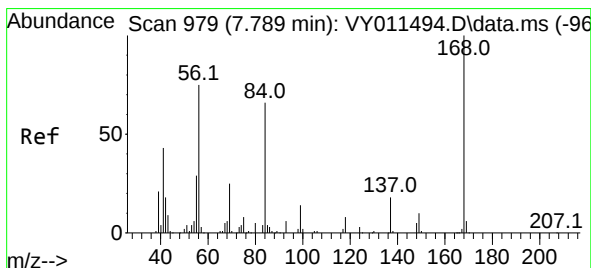
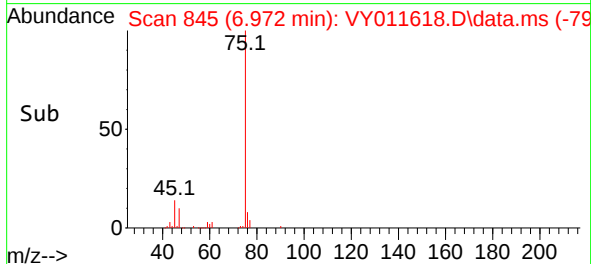
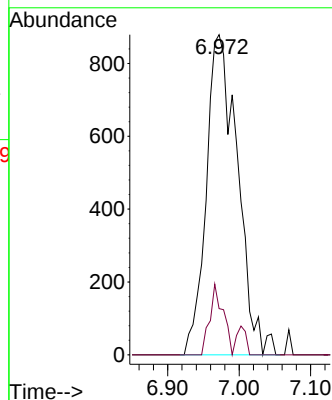
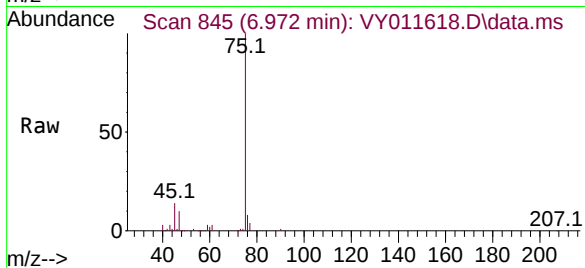
VIBLK

Tgt Ion: 43 Resp: 2665

Ion Ratio Lower Upper

43 100

72 14.4 17.7 26.5#



#31

Cyclohexane

Concen: 1.206 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY011618.D

Acq: 29 Nov 2022 13:36

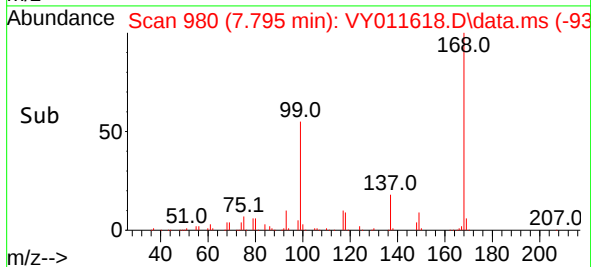
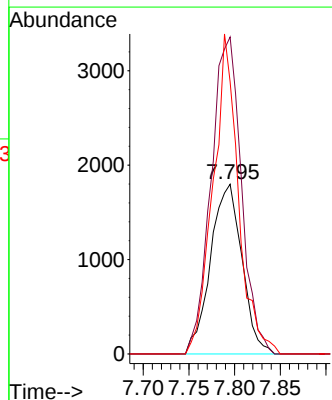
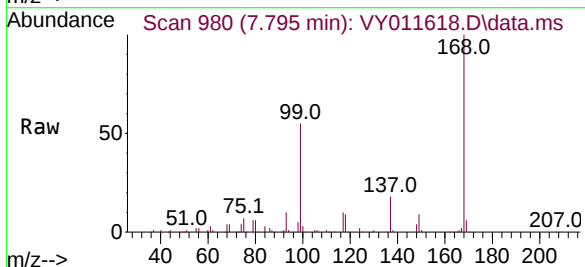
Tgt Ion: 56 Resp: 4298

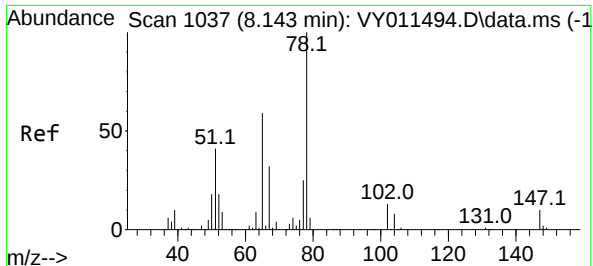
Ion Ratio Lower Upper

56 100

69 186.8 26.7 40.1#

84 160.4 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 64.083 ug/l

RT: 8.142 min Scan# 1

Delta R.T. -0.001 min

Lab File: VY011618.D

Acq: 29 Nov 2022 13:36

Instrument :

MSVOA_Y

ClientSampleId :

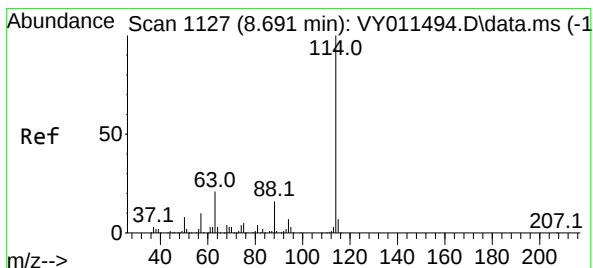
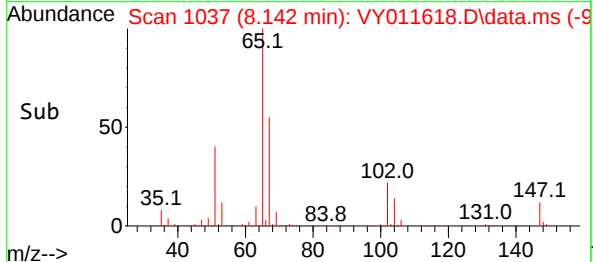
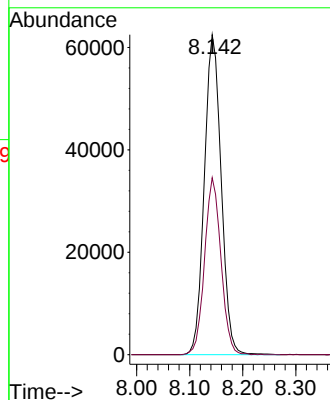
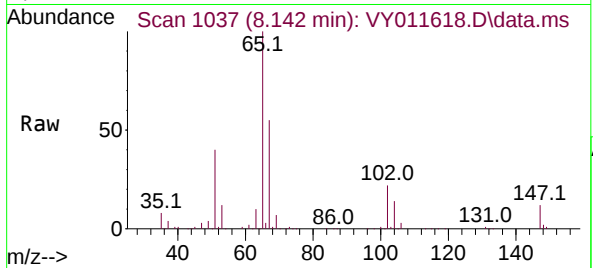
VIBLK

Tgt Ion: 65 Resp: 137838

Ion Ratio Lower Upper

65 100

67 53.7 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: VY011618.D

Acq: 29 Nov 2022 13:36

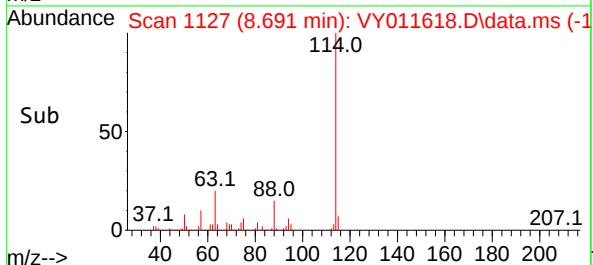
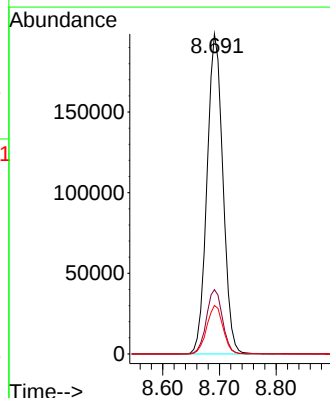
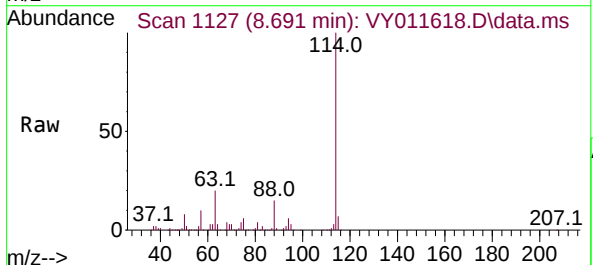
Tgt Ion:114 Resp: 386783

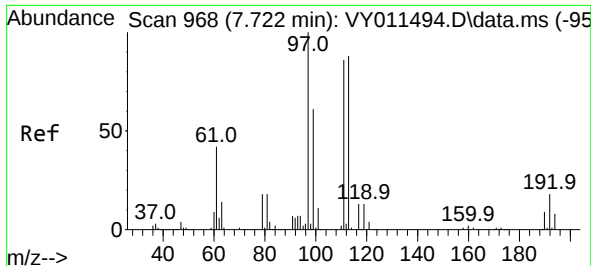
Ion Ratio Lower Upper

114 100

63 20.1 0.0 43.2

88 15.1 0.0 31.8

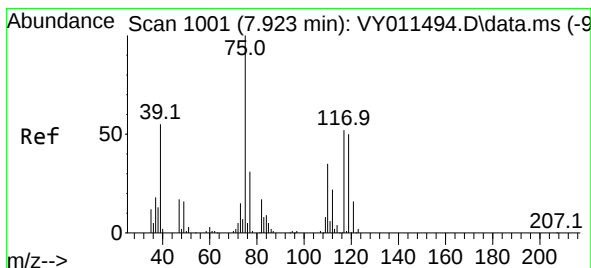
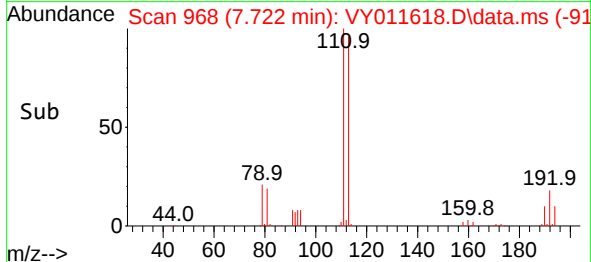
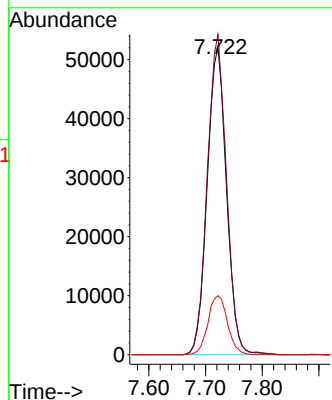
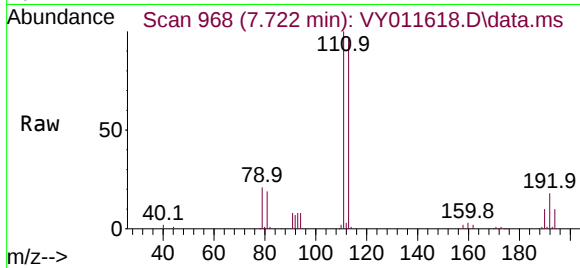




#35
Dibromofluoromethane
Concen: 51.644 ug/l
RT: 7.722 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011618.D
Acq: 29 Nov 2022 13:36

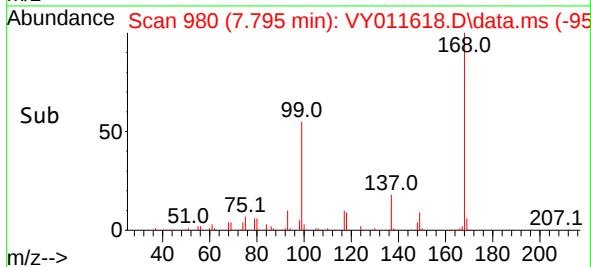
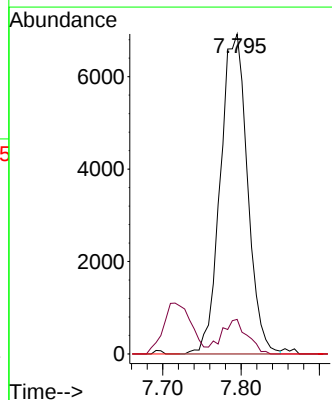
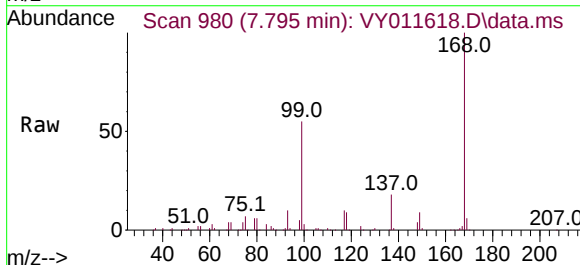
Instrument :
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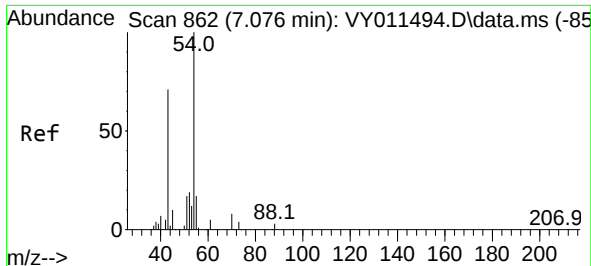
Tgt Ion:113 Resp: 122965
Ion Ratio Lower Upper
113 100
111 103.8 82.6 124.0
192 19.4 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.464 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY011618.D
Acq: 29 Nov 2022 13:36

Tgt Ion: 75 Resp: 16615
Ion Ratio Lower Upper
75 100
110 10.1 17.1 51.2#
77 0.0 24.4 36.6#

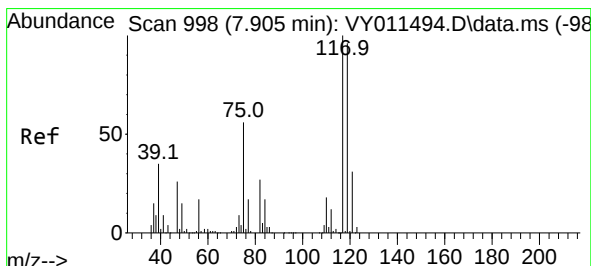
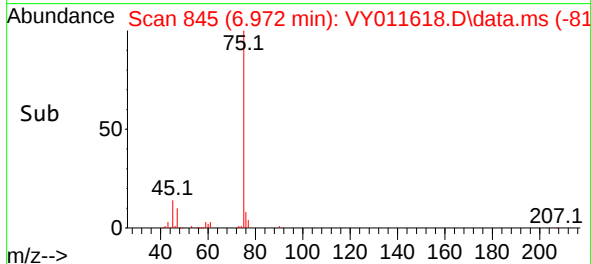
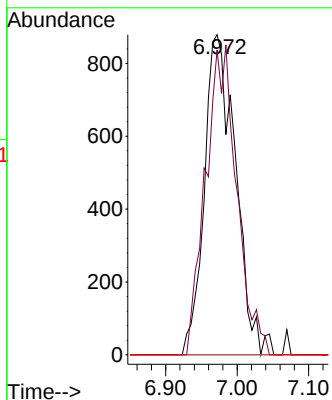
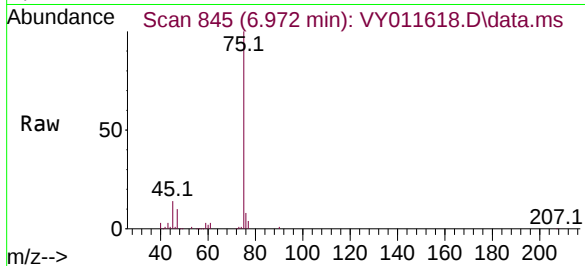




#37
Ethyl Acetate
Concen: 1.257 ug/l
RT: 6.972 min Scan# 84
Delta R.T. -0.104 min
Lab File: VY011618.D
Acq: 29 Nov 2022 13:36

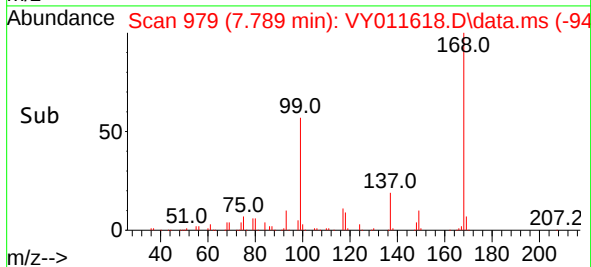
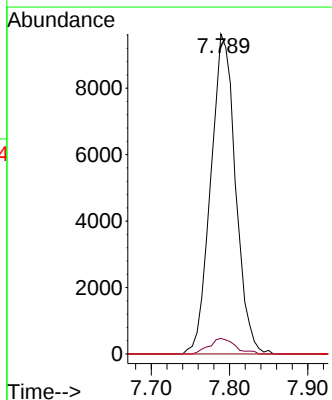
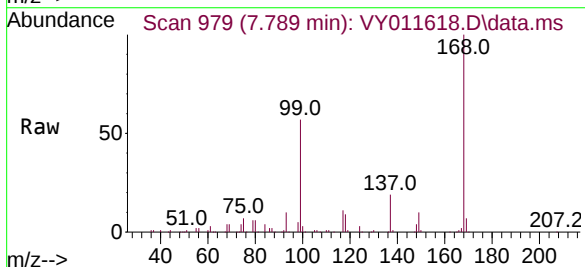
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

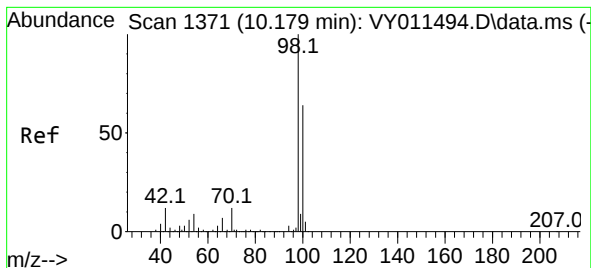
Tgt Ion: 43 Resp: 2665
Ion Ratio Lower Upper
43 100
61 96.6 9.7 14.5#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 5.091 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY011618.D
Acq: 29 Nov 2022 13:36

Tgt Ion: 117 Resp: 21199
Ion Ratio Lower Upper
117 100
119 4.8 77.9 116.9#
121 0.0 24.8 37.2#

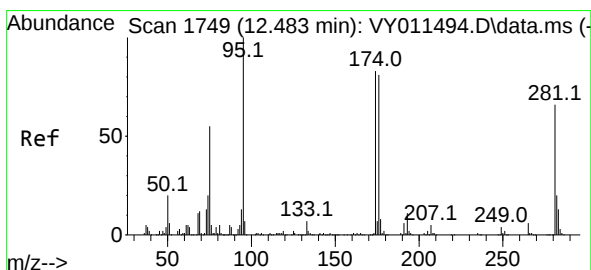
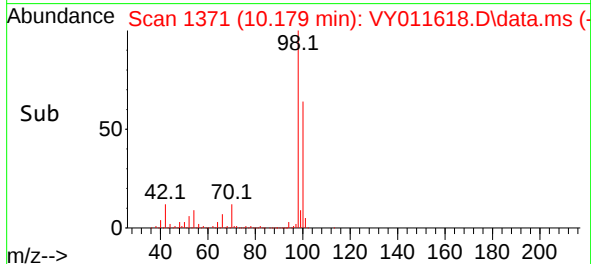
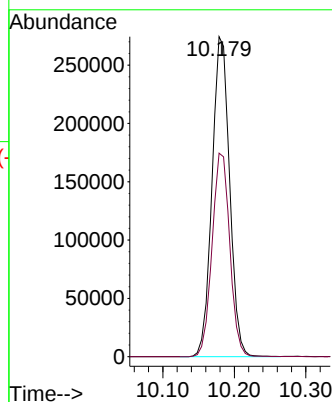
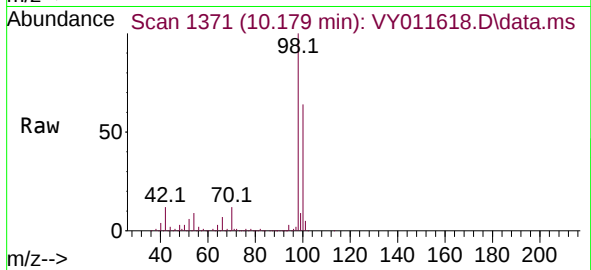




#50
Toluene-d8
Concen: 54.050 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011618.D
Acq: 29 Nov 2022 13:36

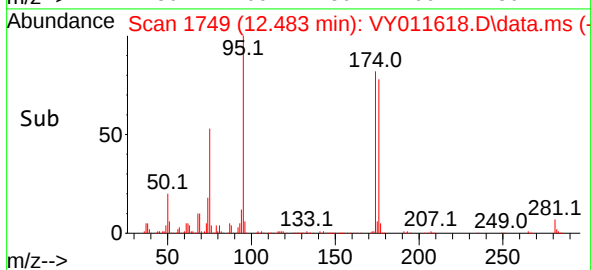
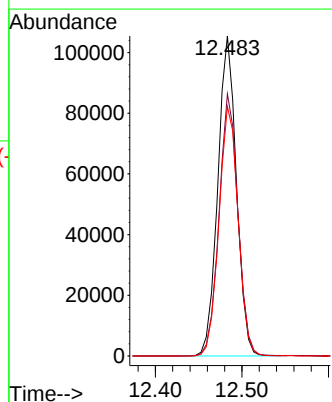
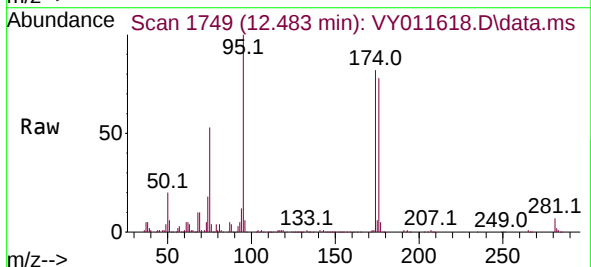
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

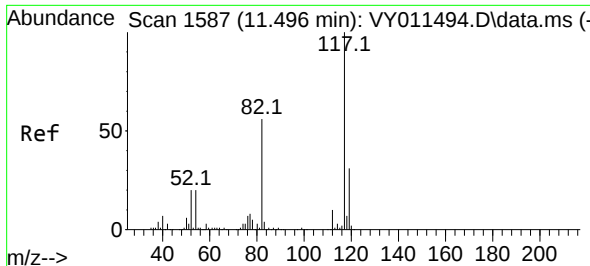
Tgt Ion: 98 Resp: 467657
Ion Ratio Lower Upper
98 100
100 64.3 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 49.167 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011618.D
Acq: 29 Nov 2022 13:36

Tgt Ion: 95 Resp: 157288
Ion Ratio Lower Upper
95 100
174 83.0 0.0 177.0
176 80.0 0.0 175.8

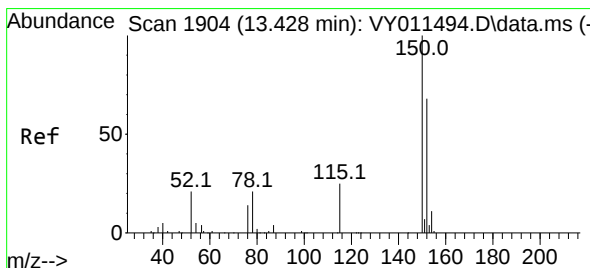
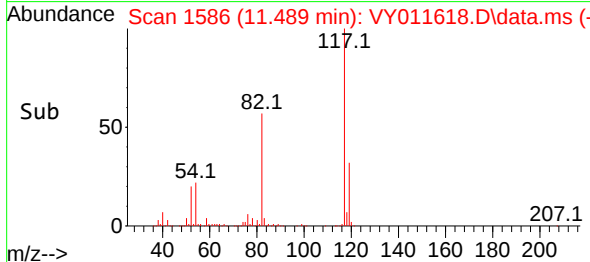
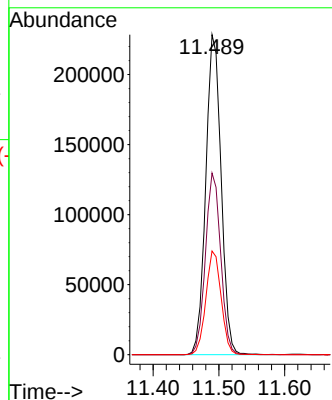
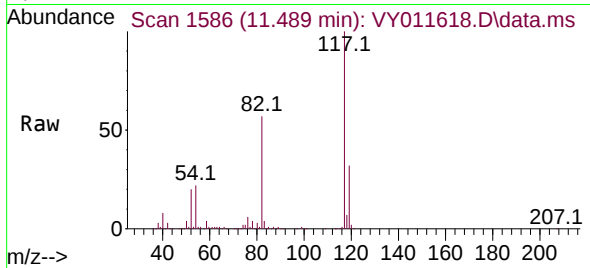




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY011618.D
Acq: 29 Nov 2022 13:36

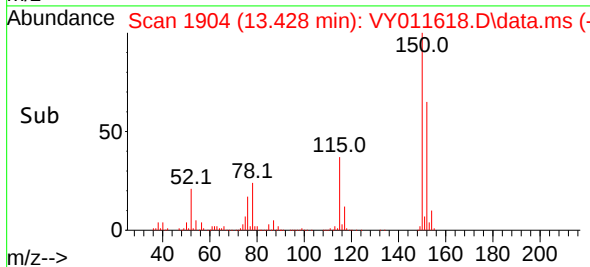
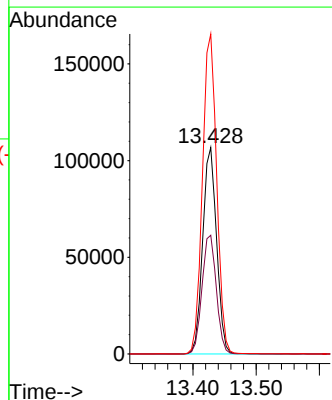
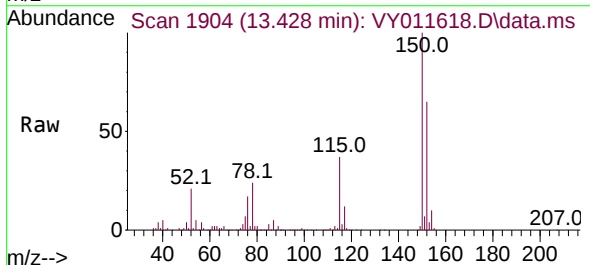
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

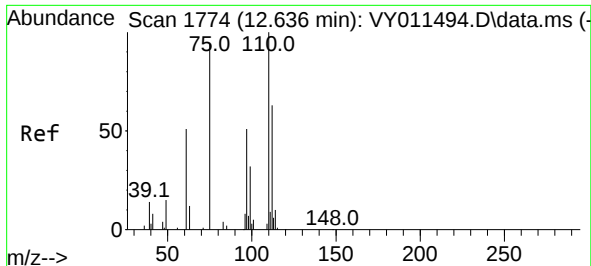
Tgt Ion:117 Resp: 370936
Ion Ratio Lower Upper
117 100
82 56.7 43.0 64.4
119 32.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011618.D
Acq: 29 Nov 2022 13:36

Tgt Ion:152 Resp: 163278
Ion Ratio Lower Upper
152 100
115 59.4 28.2 84.7
150 158.9 0.0 347.6

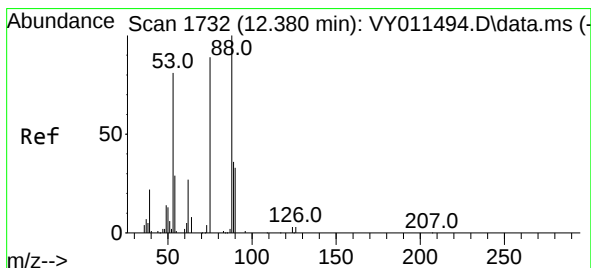
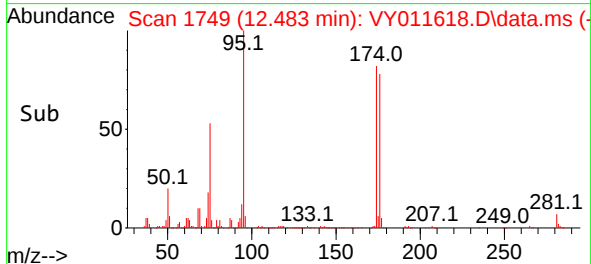
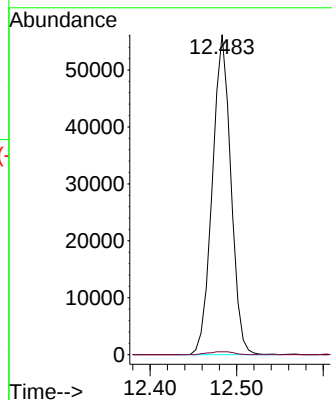
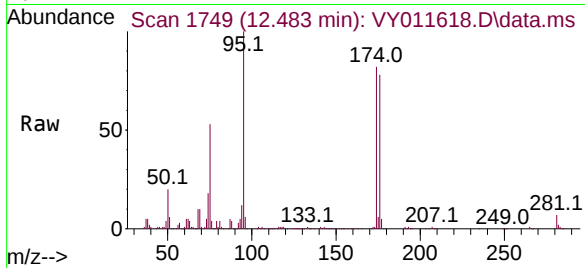




#76
1,2,3-Trichloropropane
Concen: 47.556 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011618.D
Acq: 29 Nov 2022 13:36

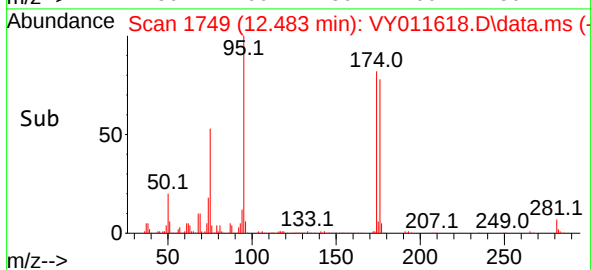
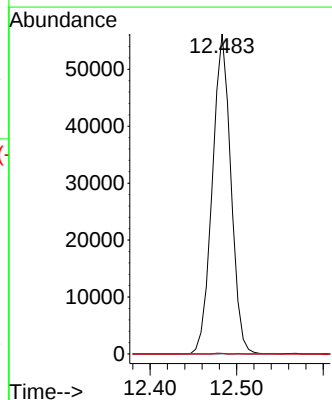
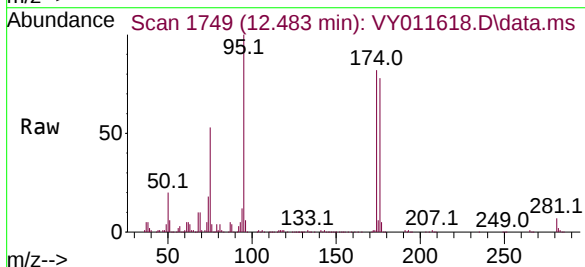
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

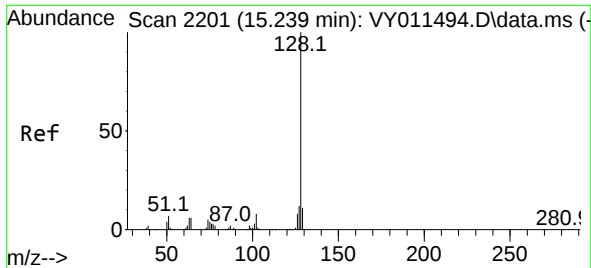
Tgt Ion: 75 Resp: 83623
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.165 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011618.D
Acq: 29 Nov 2022 13:36

Tgt Ion: 75 Resp: 83623
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 4.073 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY011618.D

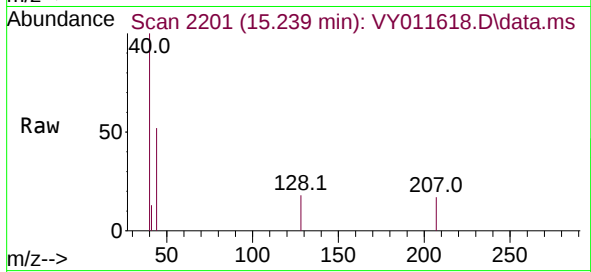
Acq: 29 Nov 2022 13:36

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK



Tgt Ion:128 Resp: 332

Ion Ratio Lower Upper

128 100

127 0.0 11.0 16.4#

129 0.0 8.4 12.6#

