

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY113022\
 Data File : VY011642.D
 Acq On : 30 Nov 2022 15:39
 Operator : KP/MD
 Sample : N5819-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S1

Quant Time: Dec 01 05:24:23 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)

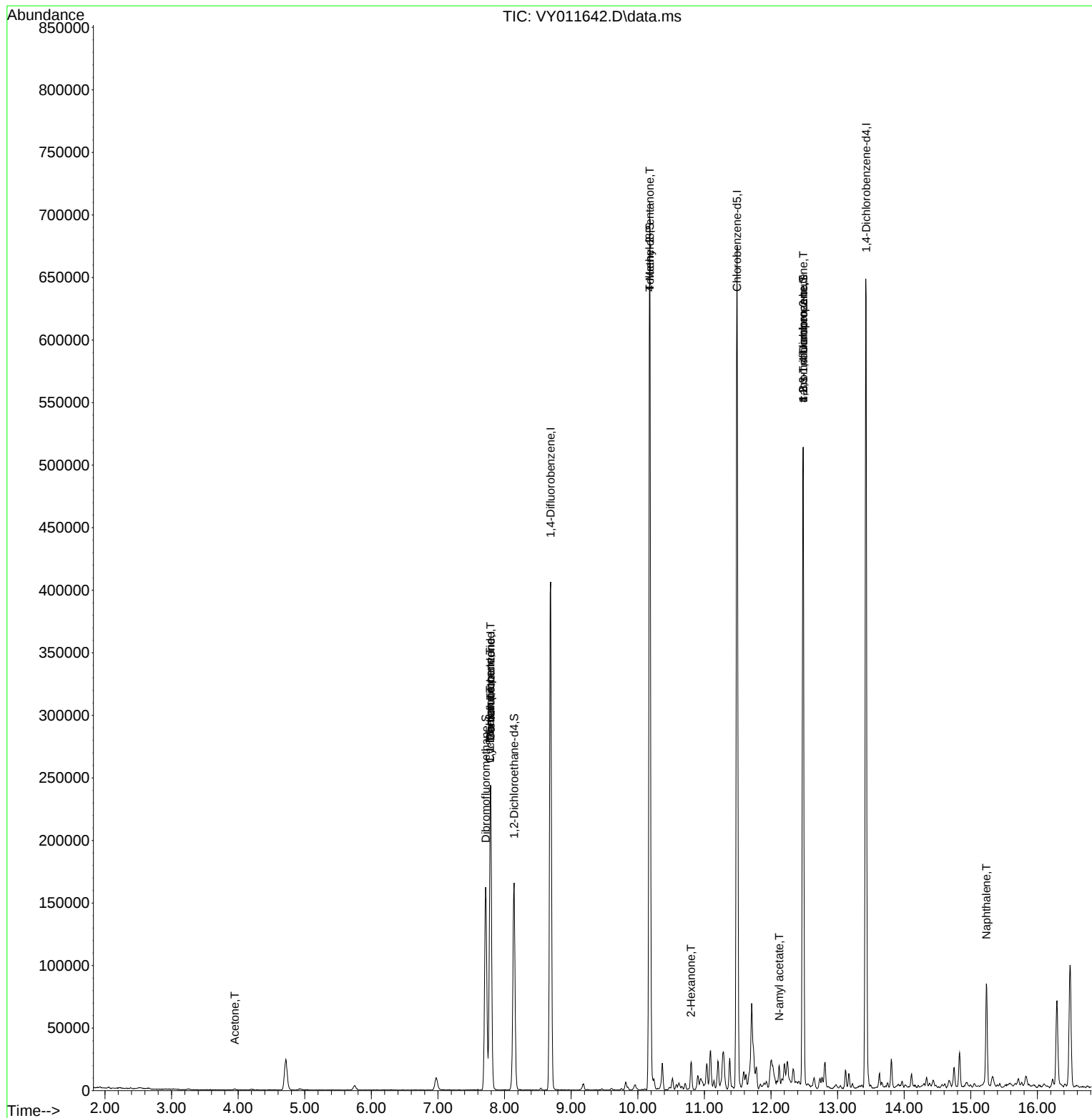
Internal Standards						
1) Pentafluorobenzene	7.789	168	183804	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	341979	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	353807	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	163420	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	124762	66.849	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.700%	
35) Dibromofluoromethane	7.716	113	113050	53.700	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.400%	
50) Toluene-d8	10.179	98	429248	56.110	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 112.220%	
62) 4-Bromofluorobenzene	12.483	95	155121	54.843	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 109.680%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	72	Below Cal		74
3) Chloromethane	2.113	50	256	Below Cal	#	67
5) Bromomethane	2.656	94	146	Below Cal	#	61
11) Tert butyl alcohol	4.918	59	814	Below Cal	#	77
16) Acetone	3.948	43	1370	2.260	ug/l	96
18) Methyl Acetate	4.485	43	214	Below Cal	#	56
20) Methylene Chloride	4.716	84	17708	Below Cal		87
31) Cyclohexane	7.783	56	3978	1.286	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	14455	4.393	ug/l #	51
38) Carbon Tetrachloride	7.789	117	18653	5.067	ug/l #	15
51) 4-Methyl-2-Pentanone	10.179	43	2435	1.296	ug/l #	1
59) 2-Hexanone	10.801	43	8263	6.161	ug/l #	32
74) N-amyl acetate	12.124	43	3728	1.277	ug/l #	72
76) 1,2,3-Trichloropropane	12.483	75	83022	47.174	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	83022	103.326	ug/l #	7
95) Naphthalene	15.233	128	67492	14.739	ug/l	97

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

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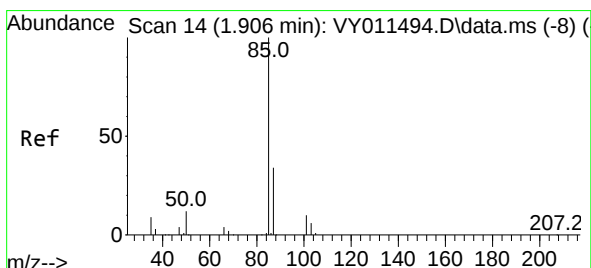
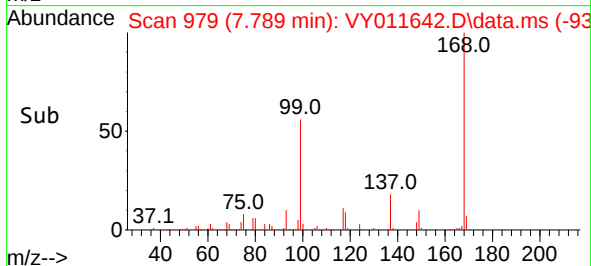
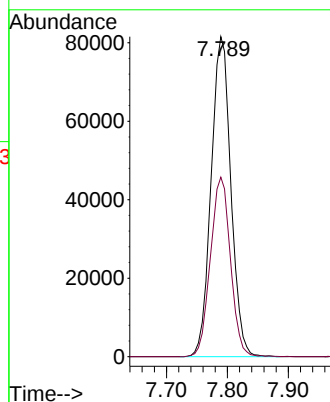
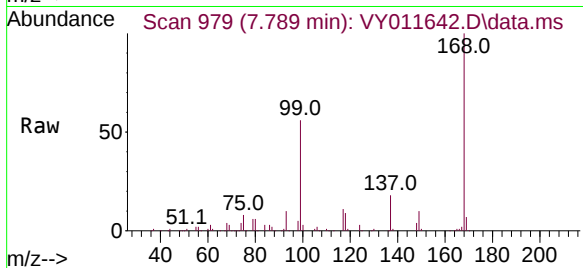




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011642.D
Acq: 30 Nov 2022 15:39

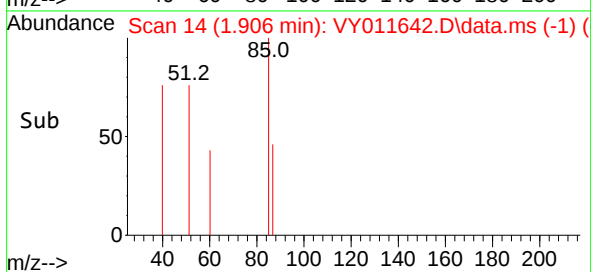
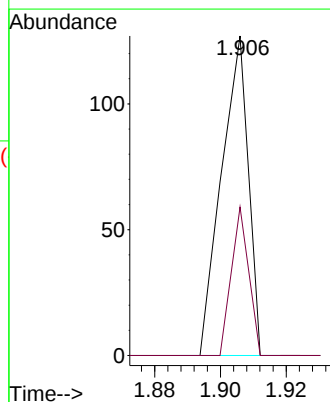
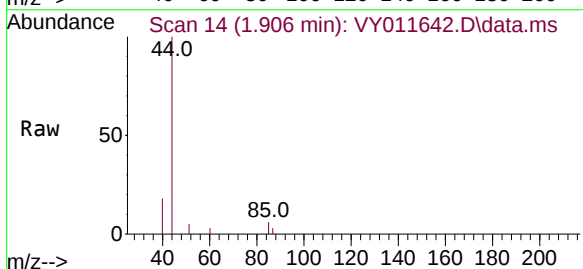
Instrument :
MSVOA_Y
ClientSampleId :
S1

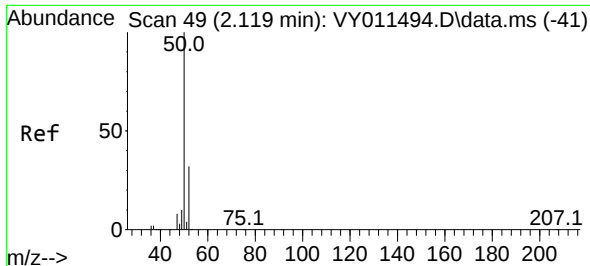
Tgt Ion:168 Resp: 183804
Ion Ratio Lower Upper
168 100
99 56.1 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011642.D
Acq: 30 Nov 2022 15:39

Tgt Ion: 85 Resp: 72
Ion Ratio Lower Upper
85 100
87 46.5 16.1 48.2

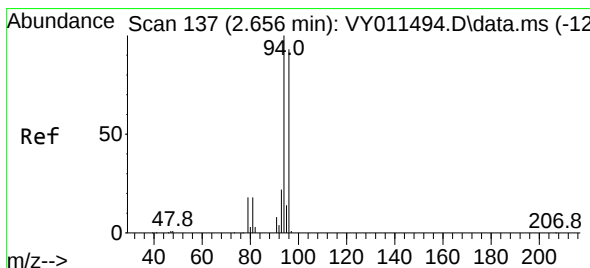
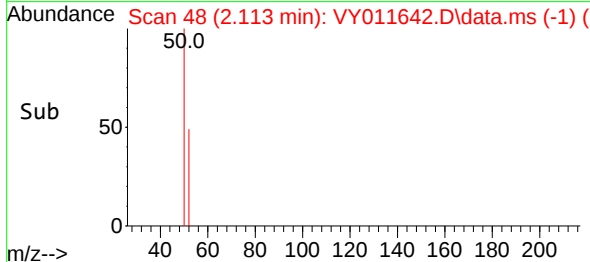
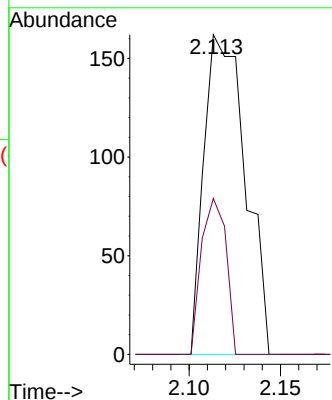
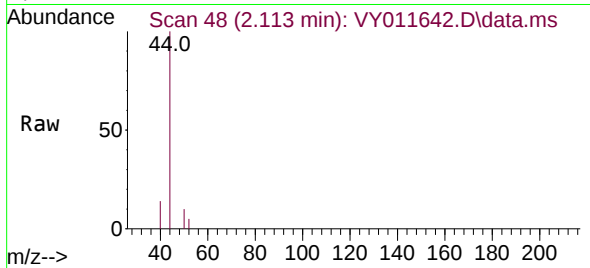




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011642.D
Acq: 30 Nov 2022 15:39

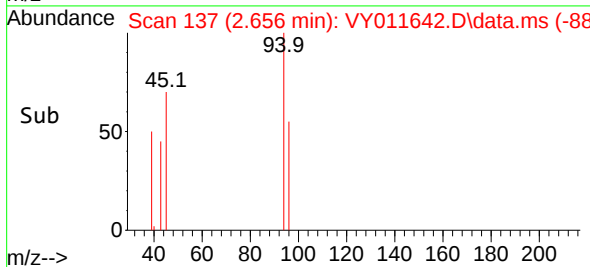
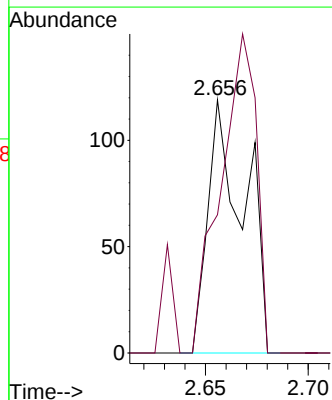
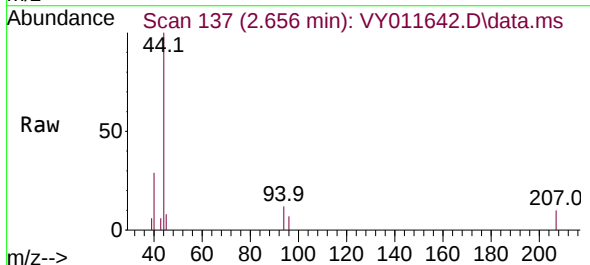
Instrument :
MSVOA_Y
ClientSampleId :
S1

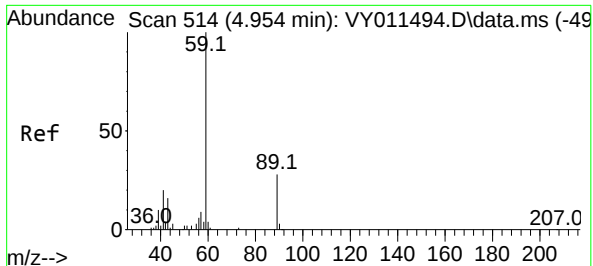
Tgt Ion: 50 Resp: 256
Ion Ratio Lower Upper
50 100
52 48.8 24.6 37.0#



#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 137
Delta R.T. -0.000 min
Lab File: VY011642.D
Acq: 30 Nov 2022 15:39

Tgt Ion: 94 Resp: 146
Ion Ratio Lower Upper
94 100
96 54.6 73.5 110.3#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.918 min Scan# 508

Delta R.T. -0.036 min

Lab File: VY011642.D

Acq: 30 Nov 2022 15:39

Instrument :

MSVOA_Y

ClientSampleId :

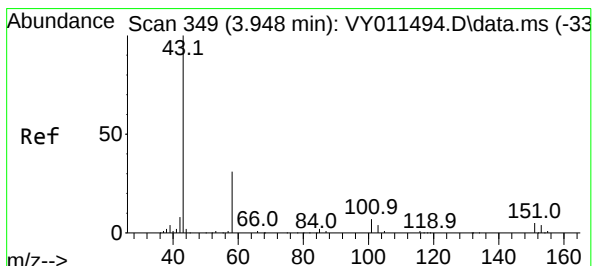
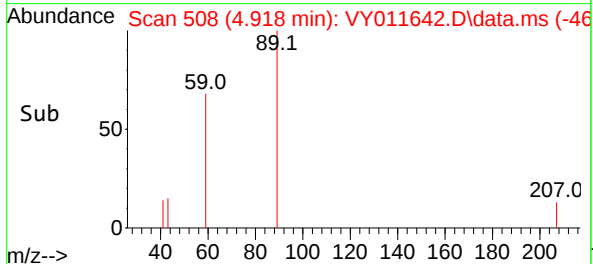
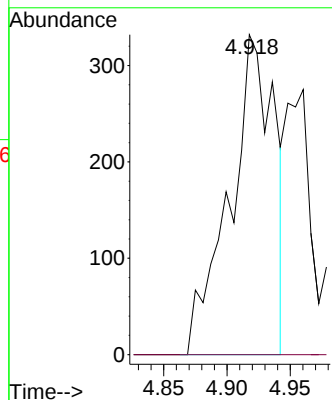
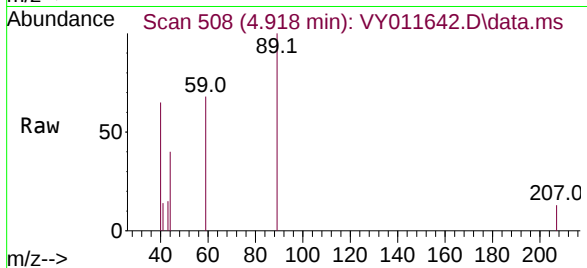
S1

Tgt Ion: 59 Resp: 814

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 2.260 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY011642.D

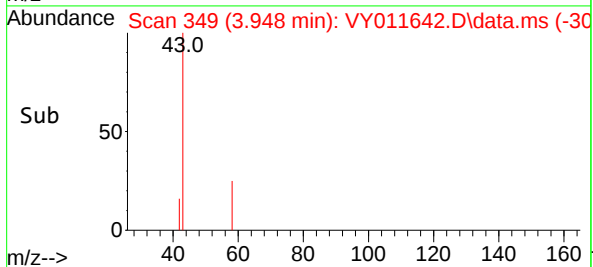
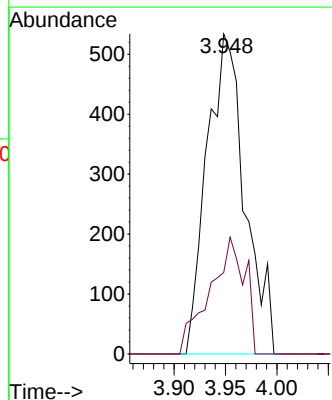
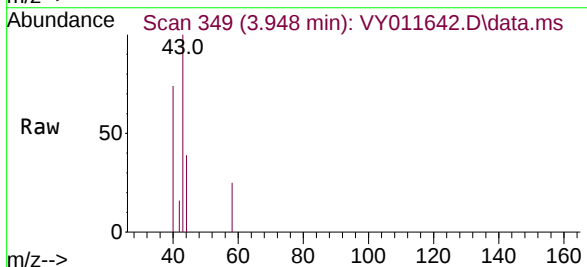
Acq: 30 Nov 2022 15:39

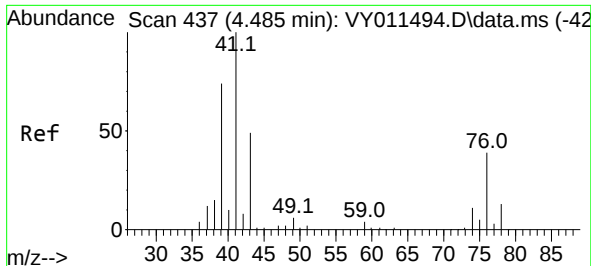
Tgt Ion: 43 Resp: 1370

Ion Ratio Lower Upper

43 100

58 25.5 22.0 33.0





#18

Methyl Acetate

Concen: Below Cal

RT: 4.485 min Scan# 41

Delta R.T. -0.000 min

Lab File: VY011642.D

Acq: 30 Nov 2022 15:39

Instrument :

MSVOA_Y

ClientSampleId :

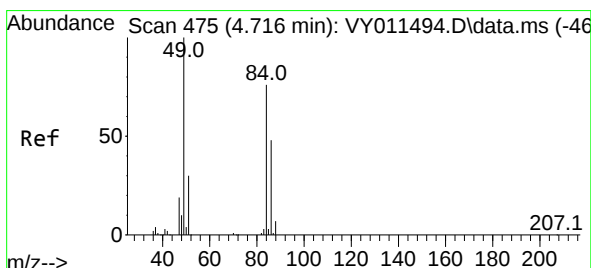
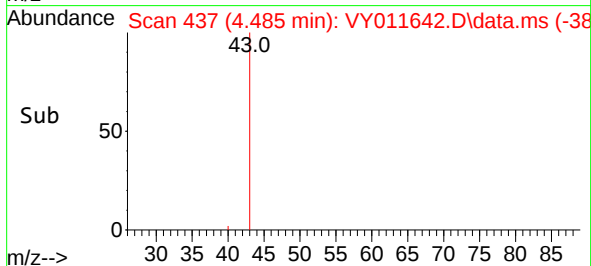
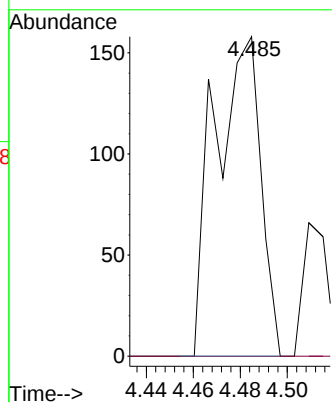
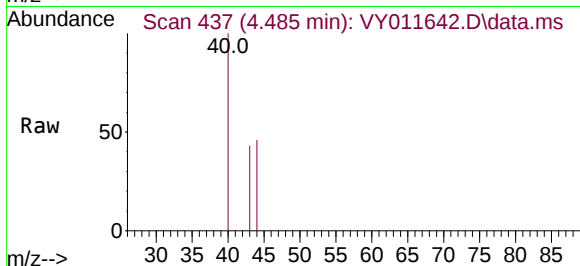
S1

Tgt Ion: 43 Resp: 214

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY011642.D

Acq: 30 Nov 2022 15:39

Tgt Ion: 84 Resp: 17708

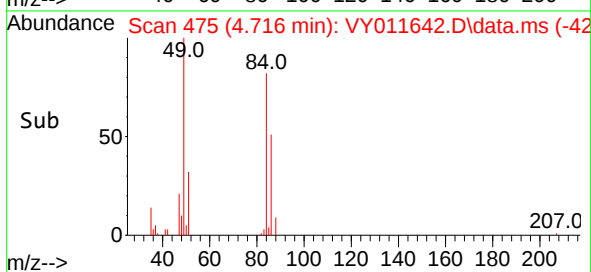
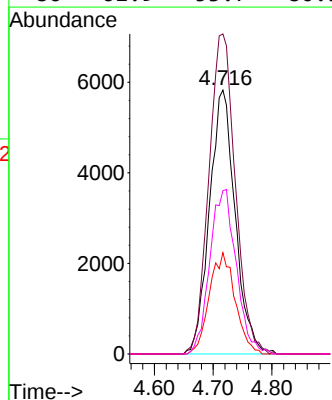
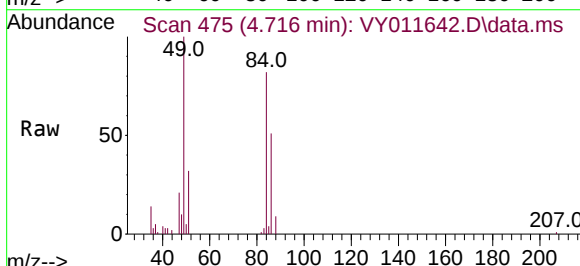
Ion Ratio Lower Upper

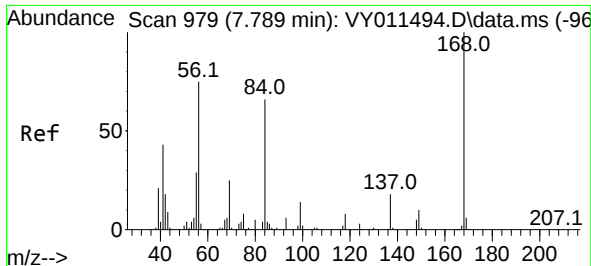
84 100

49 121.3 114.4 171.6

51 38.4 35.3 52.9

86 61.9 53.7 80.5

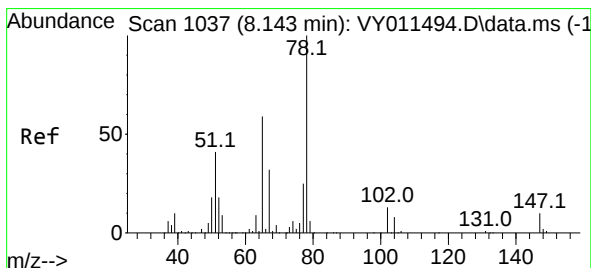
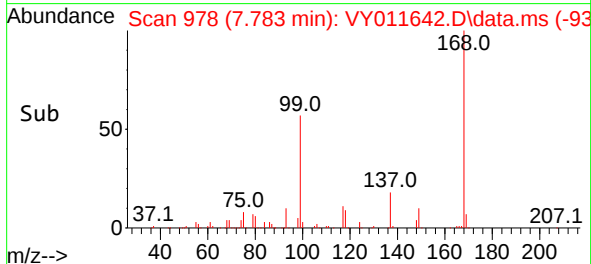
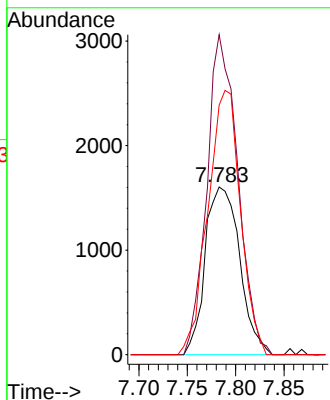
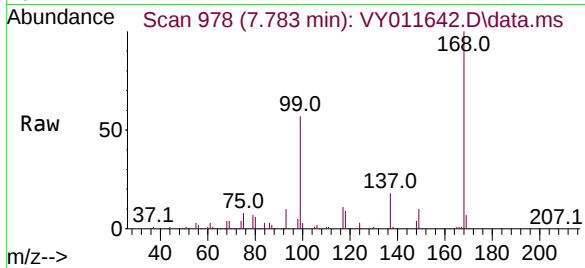




#31
Cyclohexane
Concen: 1.286 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011642.D
Acq: 30 Nov 2022 15:39

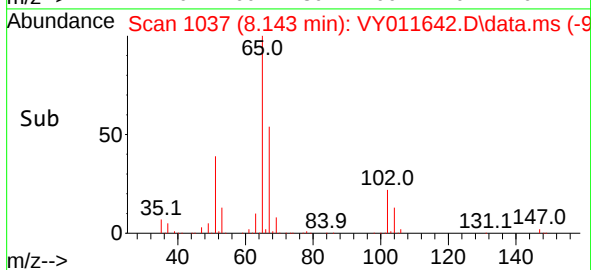
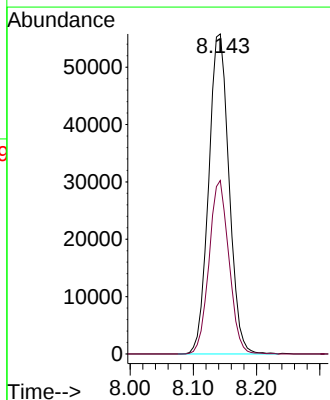
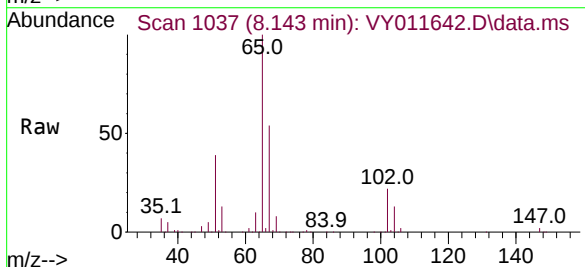
Instrument :
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S1

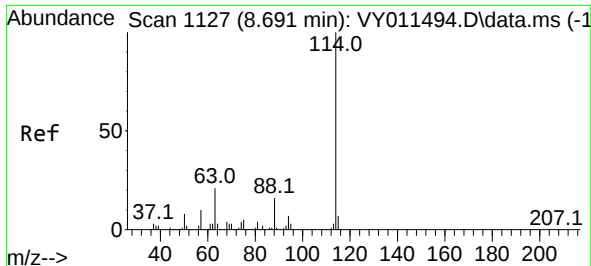
Tgt Ion: 56 Resp: 3978
Ion Ratio Lower Upper
56 100
69 190.8 26.7 40.1#
84 148.9 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 66.849 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY011642.D
Acq: 30 Nov 2022 15:39

Tgt Ion: 65 Resp: 124762
Ion Ratio Lower Upper
65 100
67 52.9 0.0 99.4

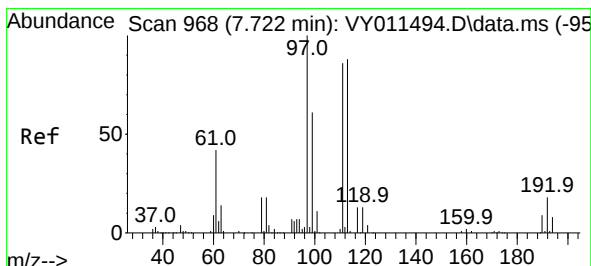
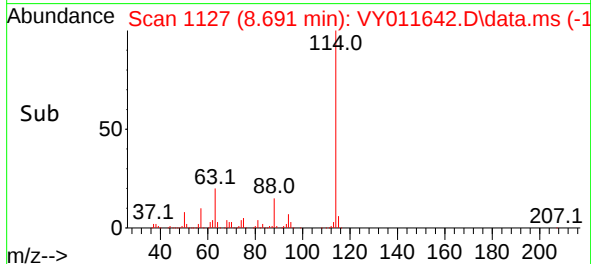
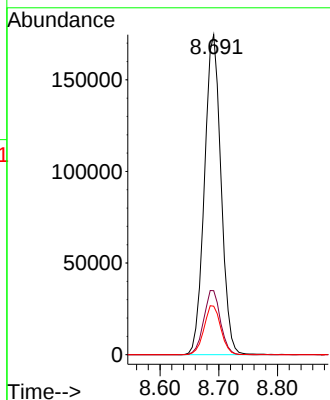
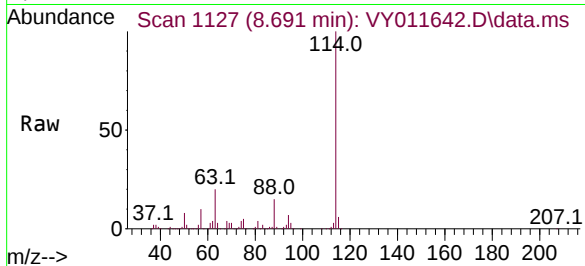




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY011642.D
Acq: 30 Nov 2022 15:39

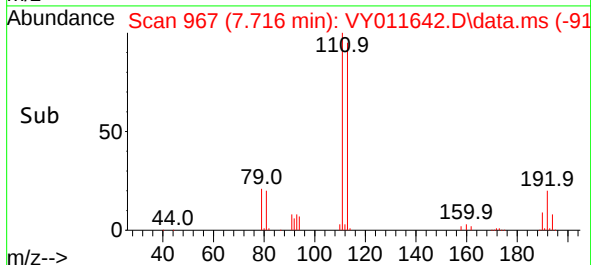
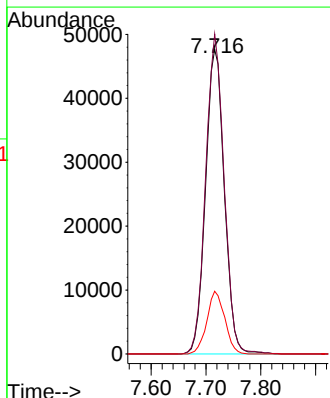
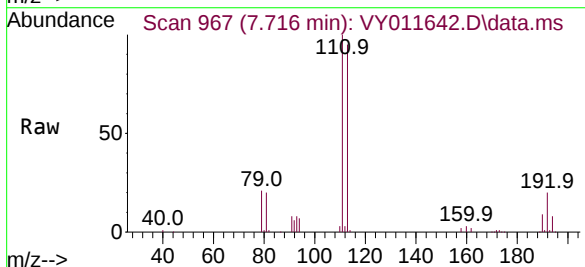
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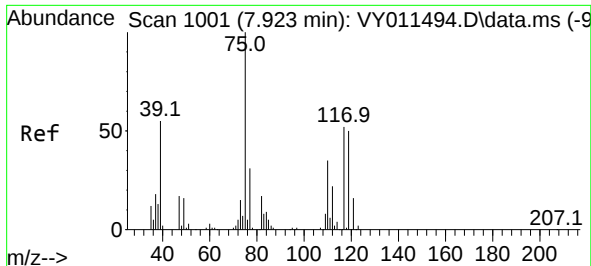
Tgt Ion:114 Resp: 341979
Ion Ratio Lower Upper
114 100
63 20.0 0.0 43.2
88 15.1 0.0 31.8



#35
Dibromofluoromethane
Concen: 53.700 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY011642.D
Acq: 30 Nov 2022 15:39

Tgt Ion:113 Resp: 113050
Ion Ratio Lower Upper
113 100
111 103.5 82.6 124.0
192 19.7 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.393 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.140 min

Lab File: VY011642.D

Acq: 30 Nov 2022 15:39

Instrument :

MSVOA_Y

ClientSampleId :

S1

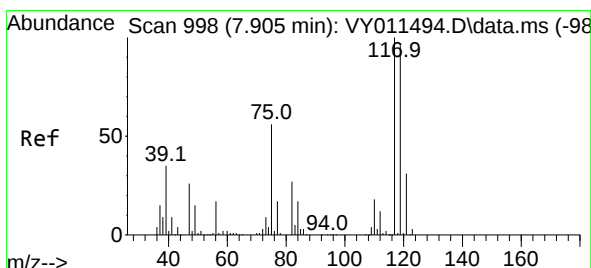
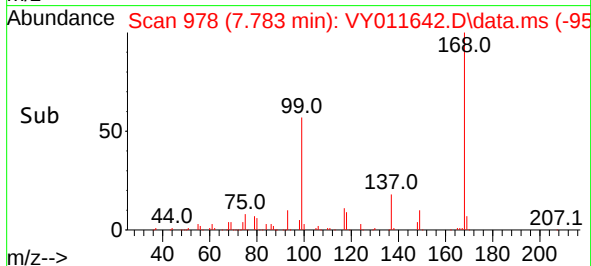
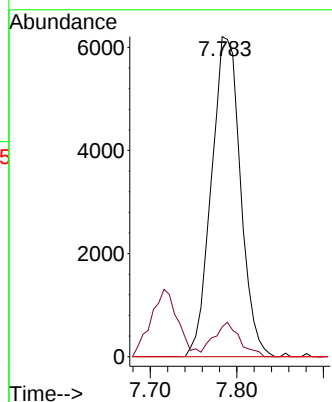
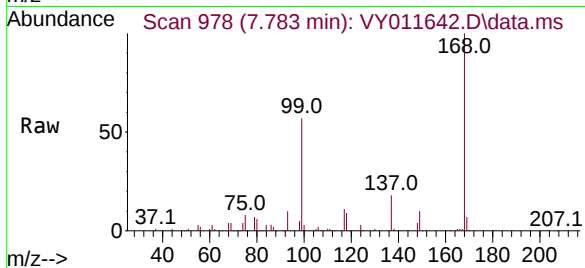
Tgt Ion: 75 Resp: 14455

Ion Ratio Lower Upper

75 100

110 9.6 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.067 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011642.D

Acq: 30 Nov 2022 15:39

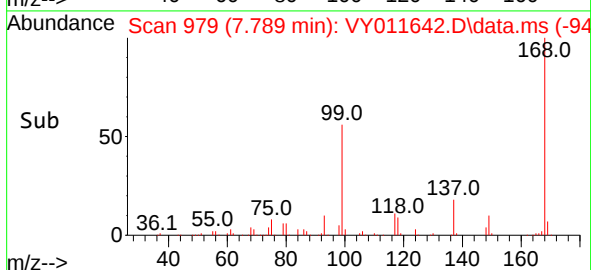
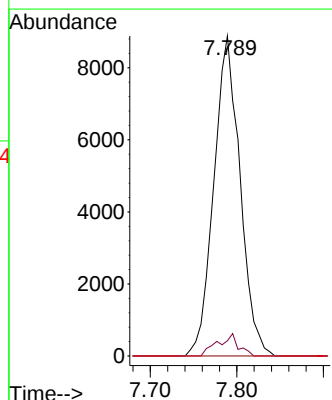
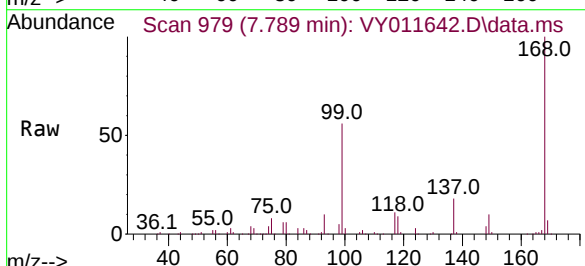
Tgt Ion: 117 Resp: 18653

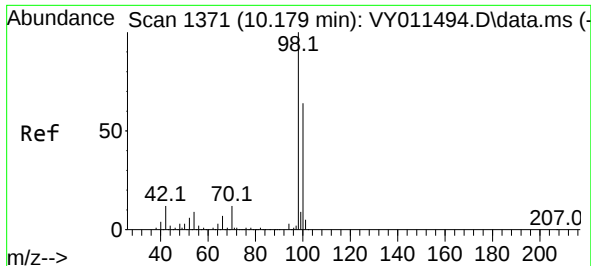
Ion Ratio Lower Upper

117 100

119 4.7 77.9 116.9#

121 0.0 24.8 37.2#

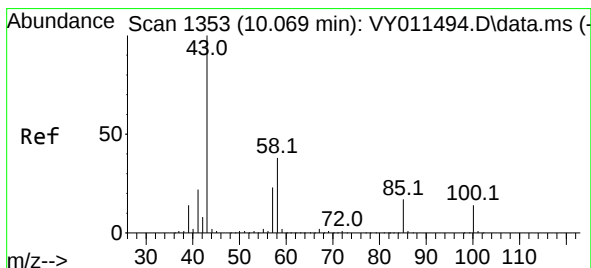
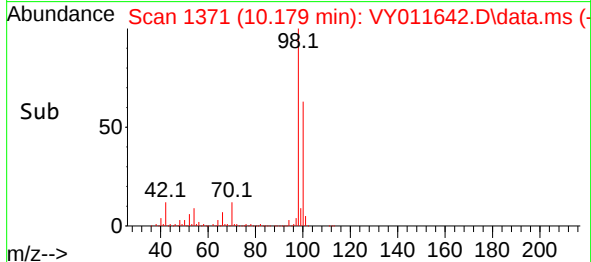
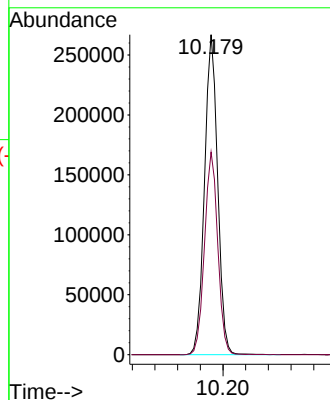
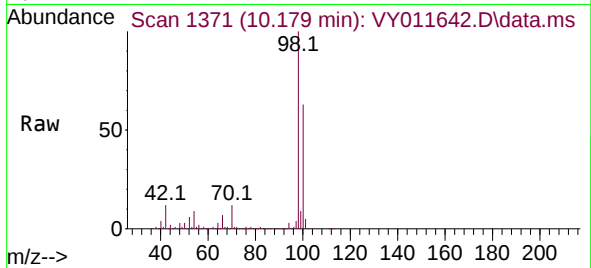




#50
Toluene-d8
Concen: 56.110 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011642.D
Acq: 30 Nov 2022 15:39

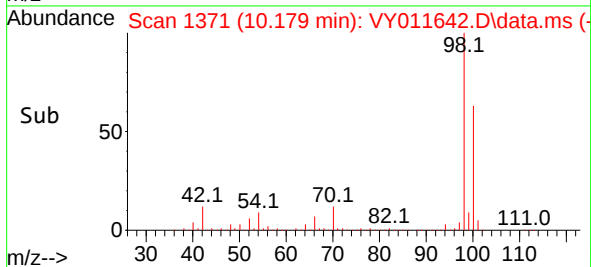
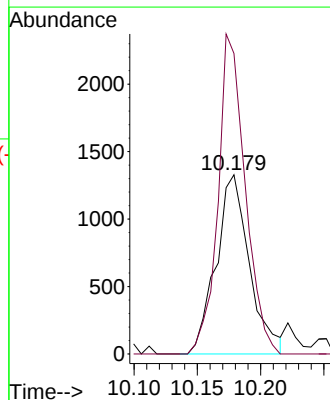
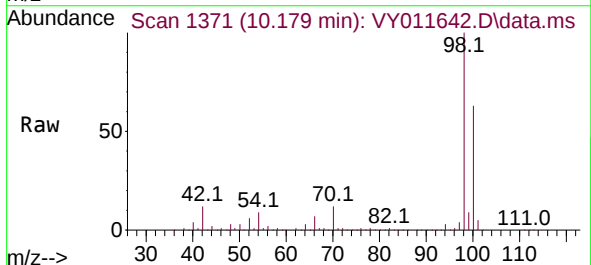
Instrument :
MSVOA_Y
ClientSampleId :
S1

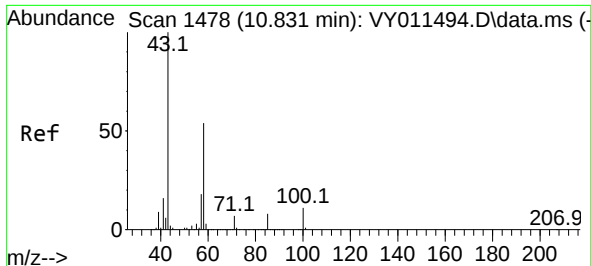
Tgt Ion: 98 Resp: 429248
Ion Ratio Lower Upper
98 100
100 63.8 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.296 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.110 min
Lab File: VY011642.D
Acq: 30 Nov 2022 15:39

Tgt Ion: 43 Resp: 2435
Ion Ratio Lower Upper
43 100
58 145.6 28.1 42.1#

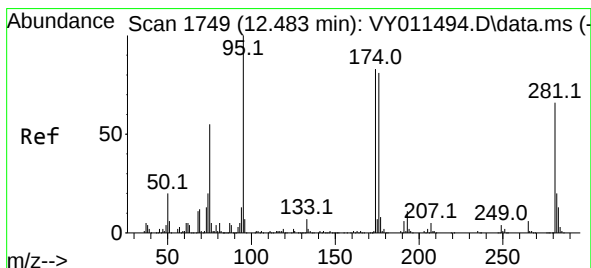
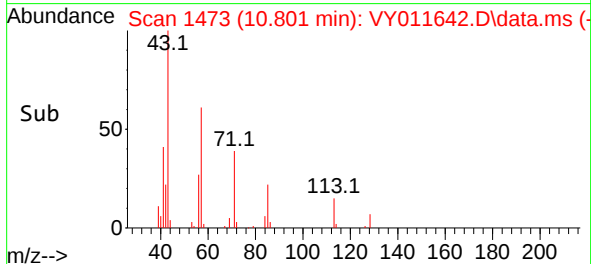
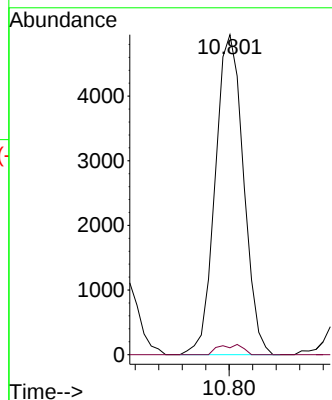
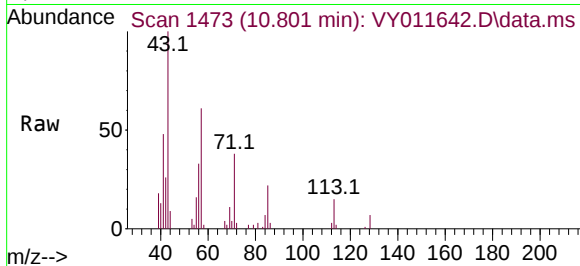




#59
2-Hexanone
Concen: 6.161 ug/l
RT: 10.801 min Scan# 1478
Delta R.T. -0.030 min
Lab File: VY011642.D
Acq: 30 Nov 2022 15:39

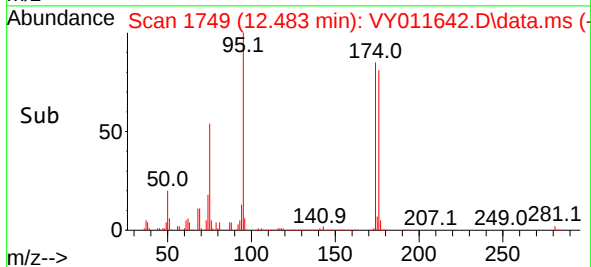
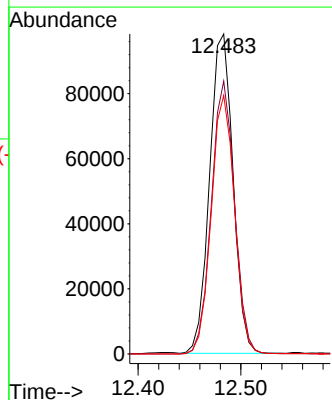
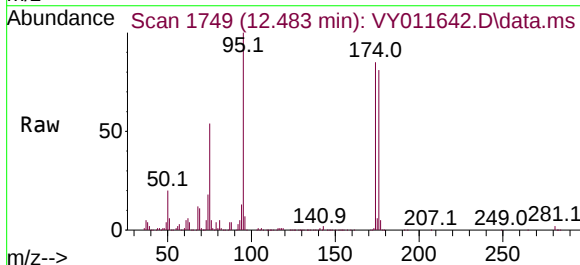
Instrument :
MSVOA_Y
ClientSampleId :
S1

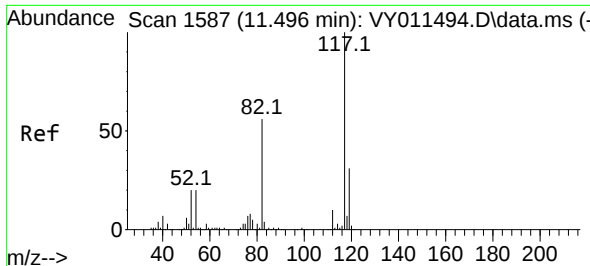
Tgt Ion: 43 Resp: 8263
Ion Ratio Lower Upper
43 100
58 2.7 24.4 73.4#



#62
4-Bromofluorobenzene
Concen: 54.843 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011642.D
Acq: 30 Nov 2022 15:39

Tgt Ion: 95 Resp: 155121
Ion Ratio Lower Upper
95 100
174 84.4 0.0 177.0
176 80.5 0.0 175.8

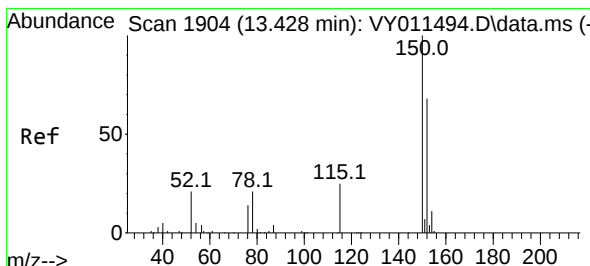
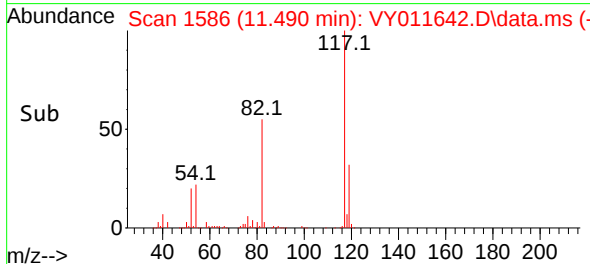
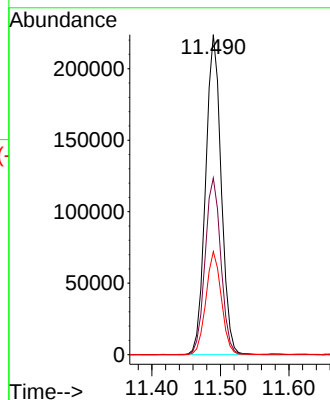
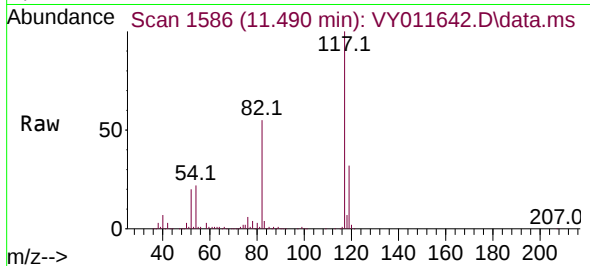




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY011642.D
Acq: 30 Nov 2022 15:39

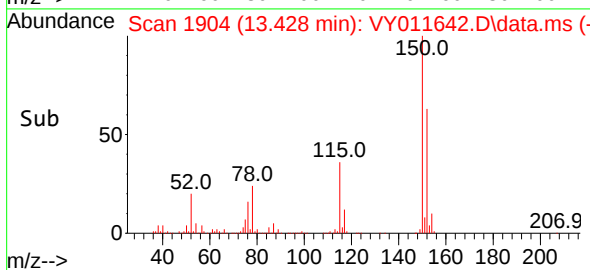
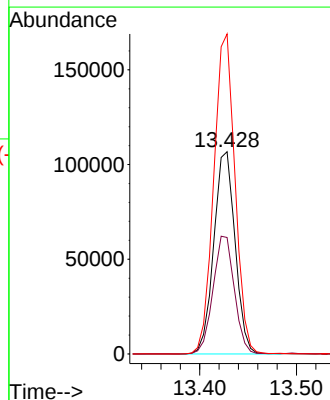
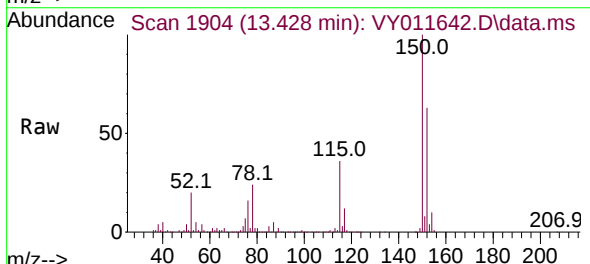
Instrument :
MSVOA_Y
ClientSampleId :
S1

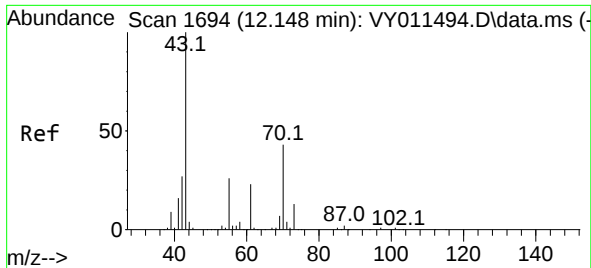
Tgt Ion:117 Resp: 353807
Ion Ratio Lower Upper
117 100
82 55.1 43.0 64.4
119 32.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011642.D
Acq: 30 Nov 2022 15:39

Tgt Ion:152 Resp: 163420
Ion Ratio Lower Upper
152 100
115 58.4 28.2 84.7
150 157.7 0.0 347.6

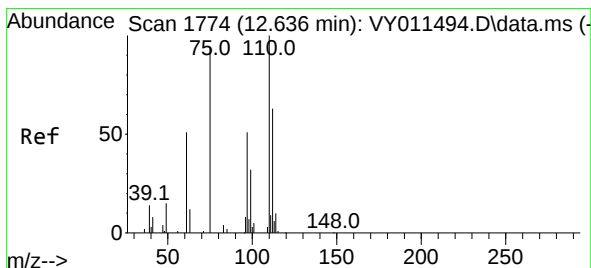
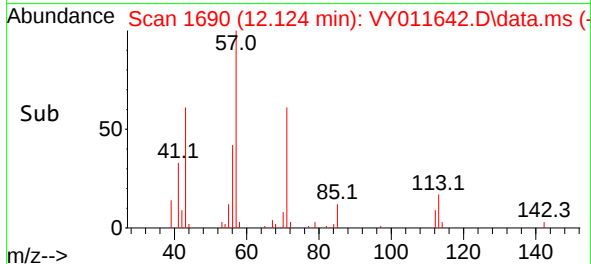
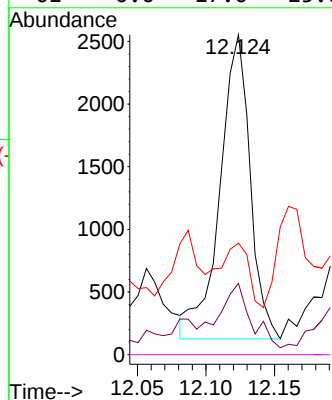
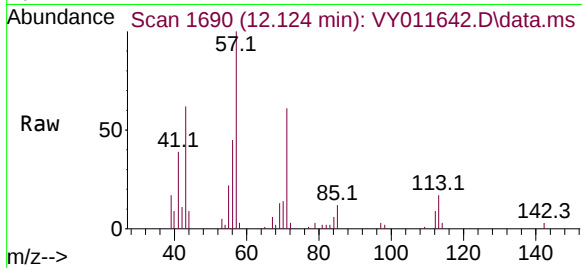




#74
N-ethyl acetate
Concen: 1.277 ug/l
RT: 12.124 min Scan# 1694
Delta R.T. -0.024 min
Lab File: VY011642.D
Acq: 30 Nov 2022 15:39

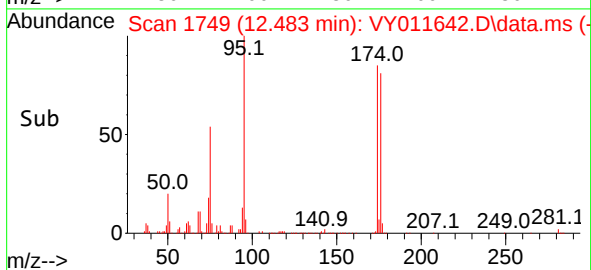
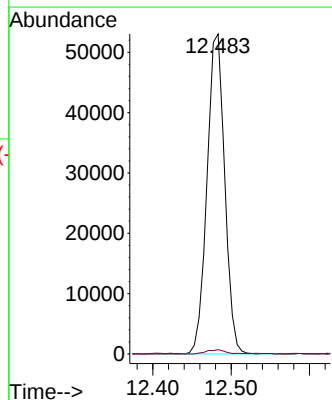
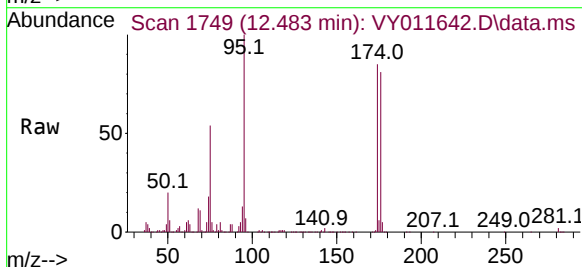
Instrument :
MSVOA_Y
ClientSampleId :
S1

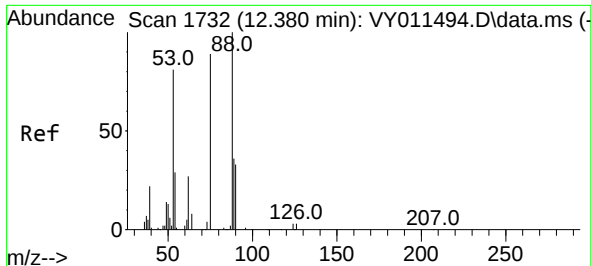
Tgt Ion: 43	Resp: 3728
Ion Ratio	Lower Upper
43 100	
70 18.6	28.7 43.1#
55 25.9	17.3 25.9
61 0.0	17.0 25.6#



#76
1,2,3-Trichloropropane
Concen: 47.174 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011642.D
Acq: 30 Nov 2022 15:39

Tgt Ion: 75	Resp: 83022
Ion Ratio	Lower Upper
75 100	
77 1.5	0.0 0.0#

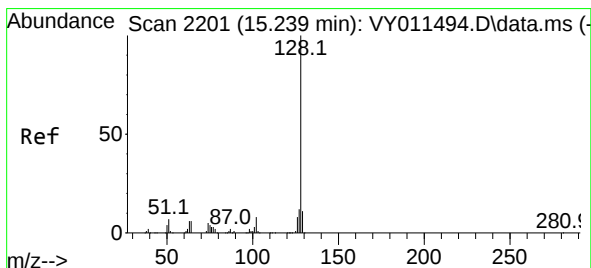
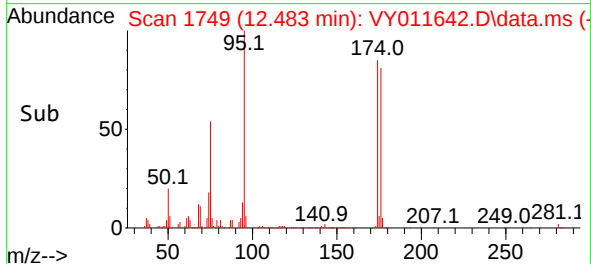
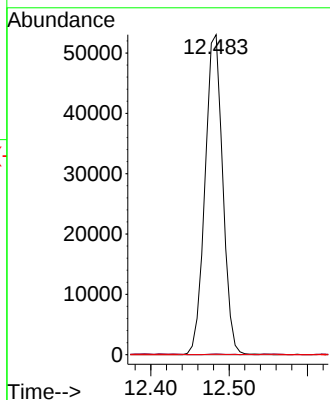
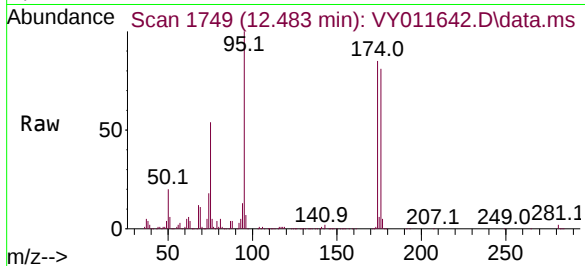




#81
trans-1,4-Dichloro-2-butene
Concen: 103.326 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY011642.D
Acq: 30 Nov 2022 15:39

Instrument :
MSVOA_Y
ClientSampleId :
S1

Tgt Ion: 75 Resp: 83022
Ion Ratio Lower Upper
75 100
53 0.3 85.3 127.9#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 14.739 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY011642.D
Acq: 30 Nov 2022 15:39

Tgt Ion: 128 Resp: 67492
Ion Ratio Lower Upper
128 100
127 13.4 11.0 16.4
129 12.4 8.4 12.6

