

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY113022\
 Data File : VY011640.D
 Acq On : 30 Nov 2022 14:52
 Operator : KP/MD
 Sample : N5799-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 220-1-STONES

Quant Time: Dec 01 05:23:51 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)

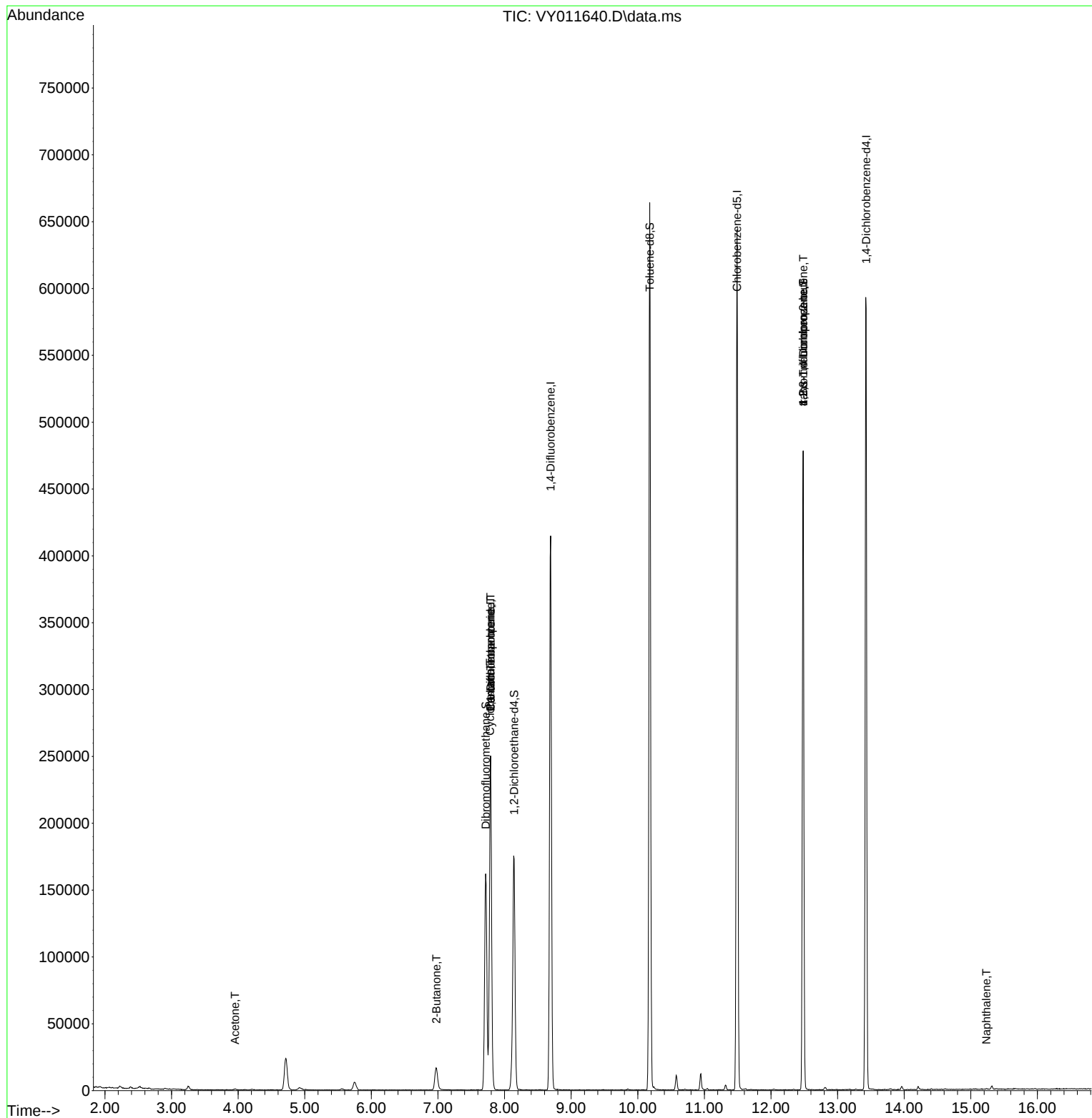
Internal Standards						
1) Pentafluorobenzene	7.789	168	184655	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	347503	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	340787	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	152140	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	129930	69.297	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 138.600%	
35) Dibromofluoromethane	7.716	113	114618	53.580	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.160%	
50) Toluene-d8	10.179	98	426749	54.897	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.800%	
62) 4-Bromofluorobenzene	12.483	95	140747	48.970	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.940%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	303	Below Cal		93
3) Chloromethane	2.119	50	296	Below Cal		95
5) Bromomethane	2.662	94	210	Below Cal		89
11) Tert butyl alcohol	4.936	59	2166	Below Cal	#	77
16) Acetone	3.954	43	1185	1.946	ug/l #	84
18) Methyl Acetate	4.497	43	360	Below Cal	#	56
20) Methylene Chloride	4.716	84	18127	Below Cal		90
25) 2-Butanone	6.978	43	1116	1.394	ug/l #	54
31) Cyclohexane	7.783	56	4099	1.319	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	14939	4.468	ug/l #	51
38) Carbon Tetrachloride	7.789	117	18785	5.021	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	75335	45.980	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	75335	100.711	ug/l #	7
95) Naphthalene	15.233	128	811	4.159	ug/l #	75

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

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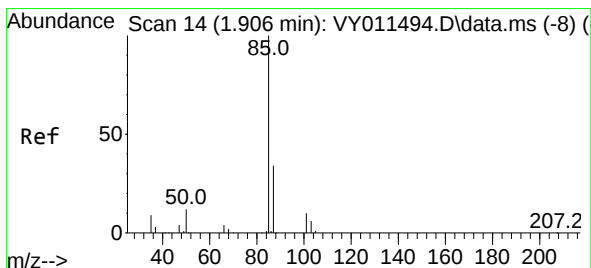
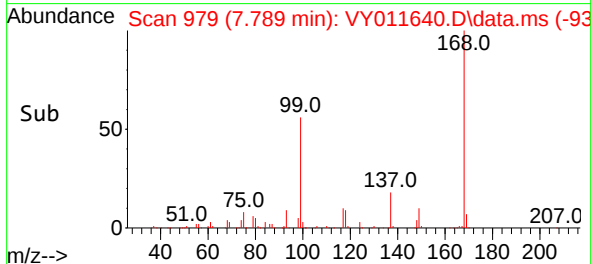
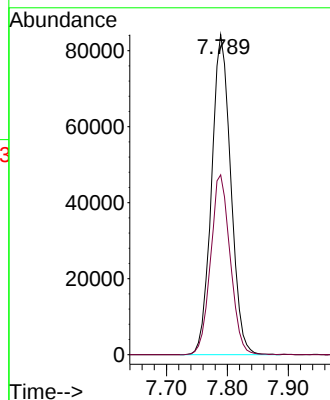
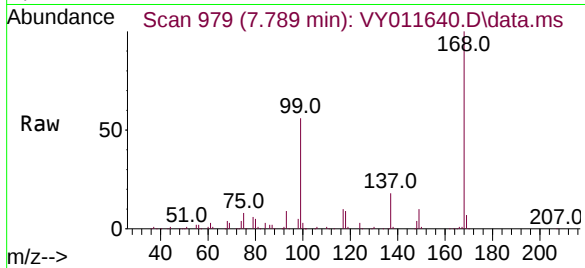




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011640.D
Acq: 30 Nov 2022 14:52

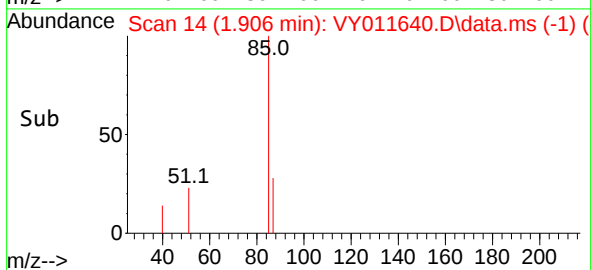
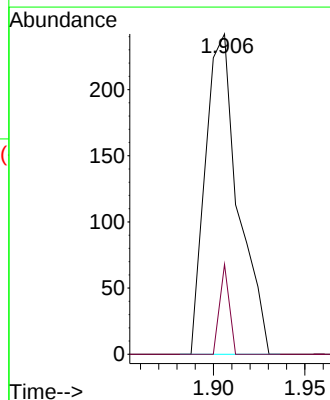
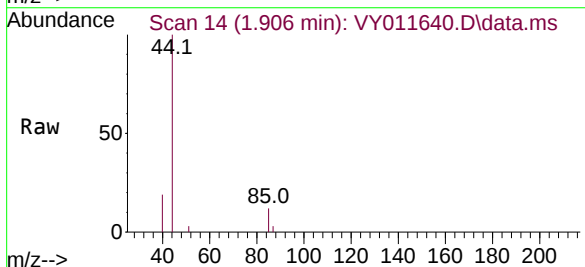
Instrument :
MSVOA_Y
ClientSampleId :
220-1-STONES

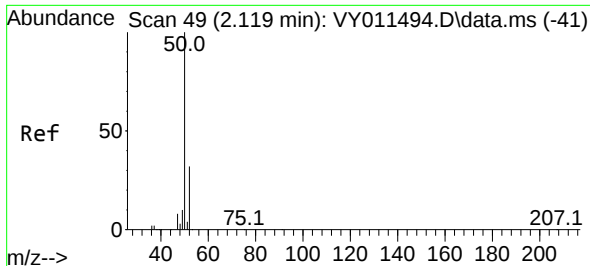
Tgt Ion:168 Resp: 184655
Ion Ratio Lower Upper
168 100
99 56.2 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011640.D
Acq: 30 Nov 2022 14:52

Tgt Ion: 85 Resp: 303
Ion Ratio Lower Upper
85 100
87 28.1 16.1 48.2

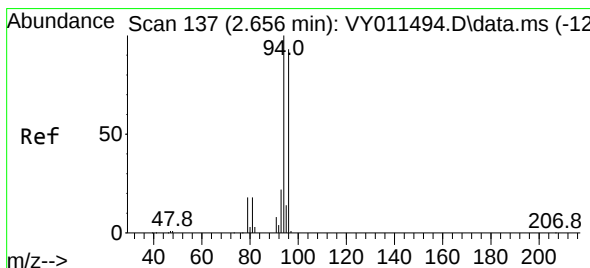
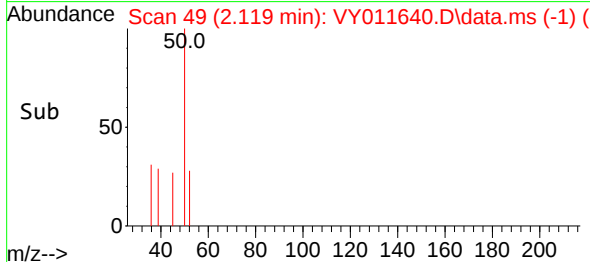
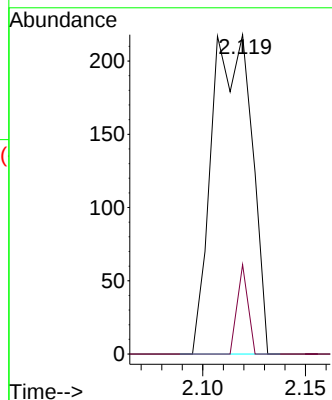
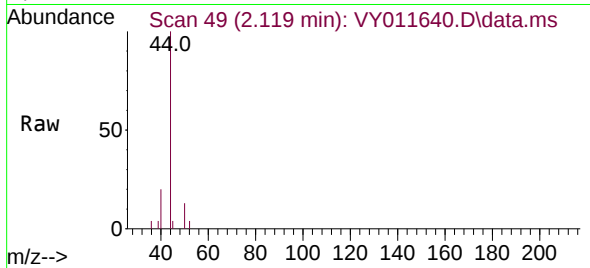




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY011640.D
Acq: 30 Nov 2022 14:52

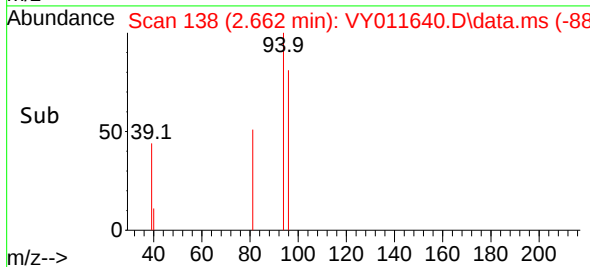
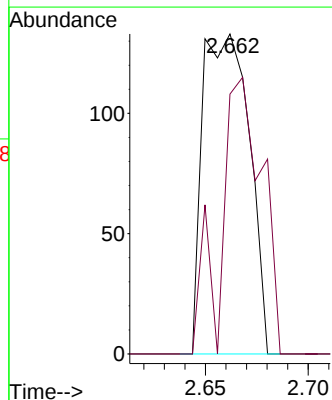
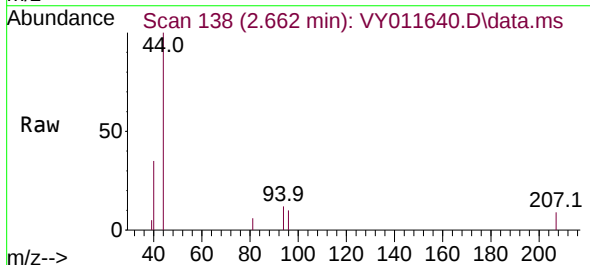
Instrument :
MSVOA_Y
ClientSampleId :
220-1-STONES

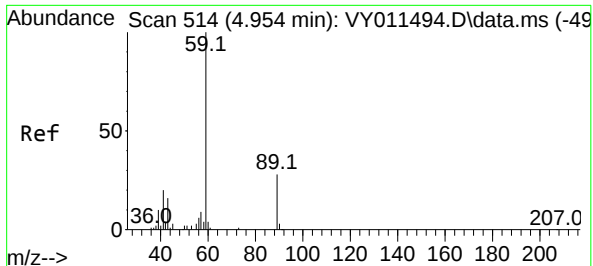
Tgt Ion: 50 Resp: 296
Ion Ratio Lower Upper
50 100
52 28.0 24.6 37.0



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.006 min
Lab File: VY011640.D
Acq: 30 Nov 2022 14:52

Tgt Ion: 94 Resp: 210
Ion Ratio Lower Upper
94 100
96 81.2 73.5 110.3





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.936 min Scan# 511

Delta R.T. -0.018 min

Lab File: VY011640.D

Acq: 30 Nov 2022 14:52

Instrument :

MSVOA_Y

ClientSampleId :

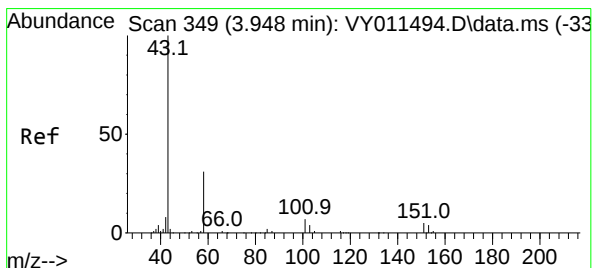
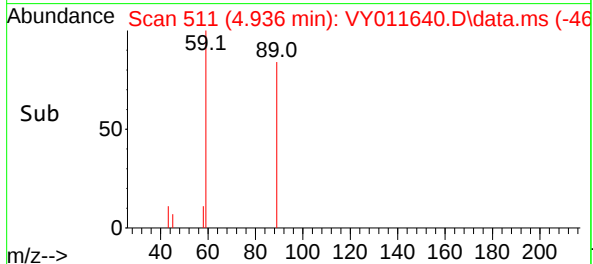
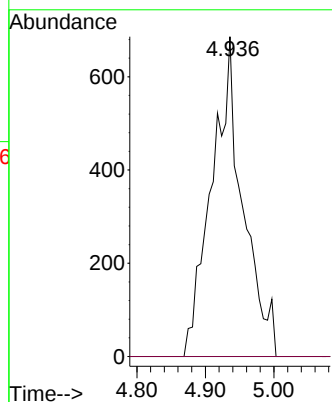
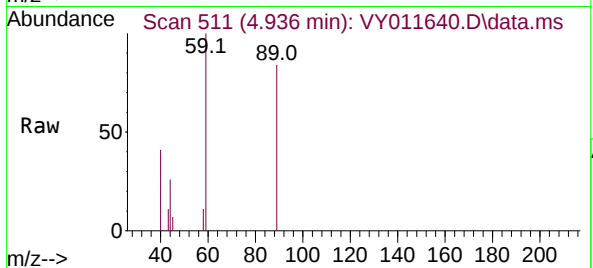
220-1-STONES

Tgt Ion: 59 Resp: 2166

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 1.946 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.006 min

Lab File: VY011640.D

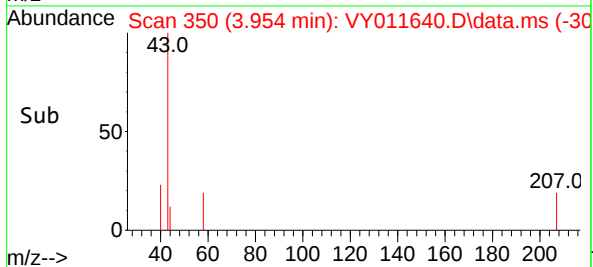
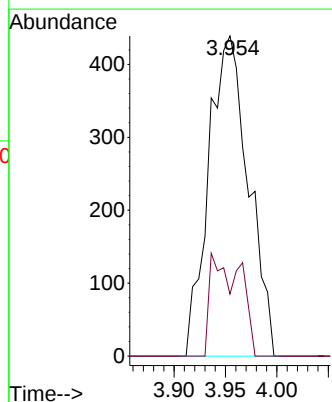
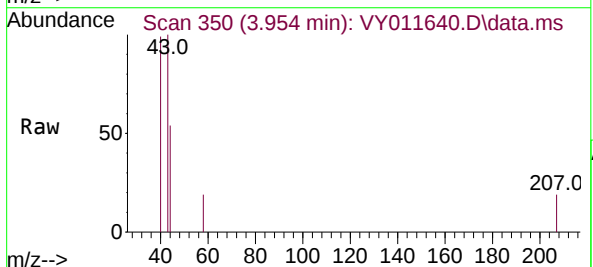
Acq: 30 Nov 2022 14:52

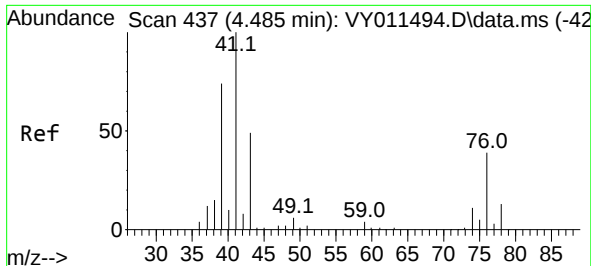
Tgt Ion: 43 Resp: 1185

Ion Ratio Lower Upper

43 100

58 19.4 22.0 33.0#

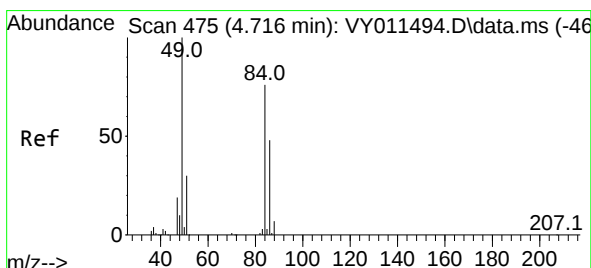
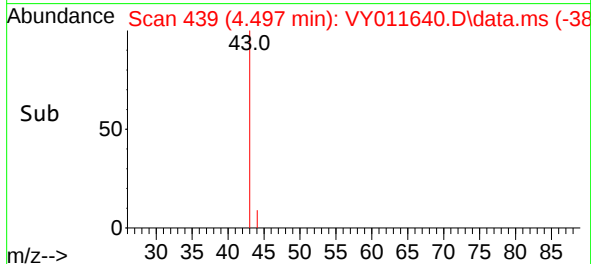
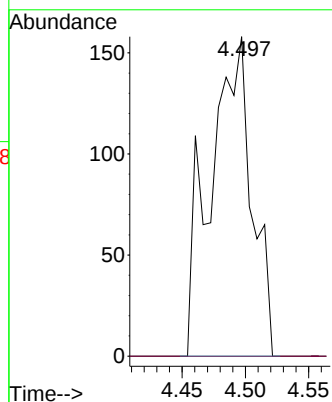
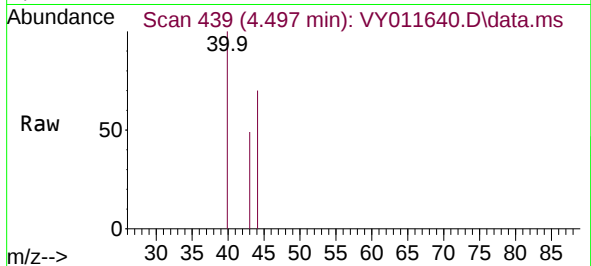




#18
Methyl Acetate
Concen: Below Cal
RT: 4.497 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY011640.D
Acq: 30 Nov 2022 14:52

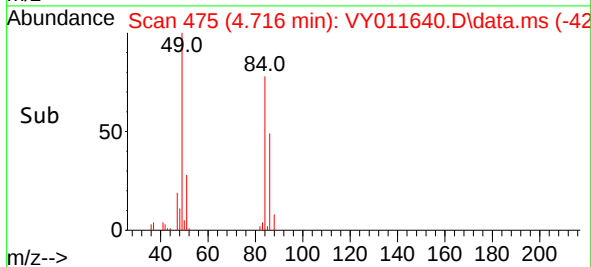
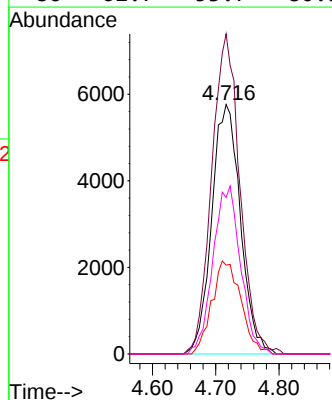
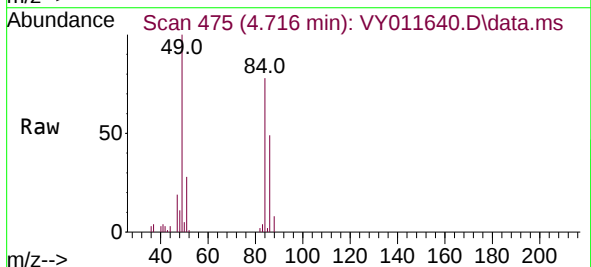
Instrument :
MSVOA_Y
ClientSampleId :
220-1-STONES

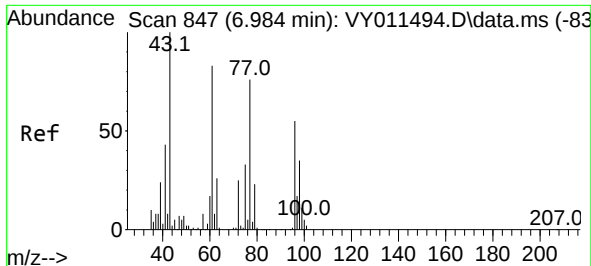
Tgt Ion: 43 Resp: 360
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011640.D
Acq: 30 Nov 2022 14:52

Tgt Ion: 84 Resp: 18127
Ion Ratio Lower Upper
84 100
49 128.3 114.4 171.6
51 35.6 35.3 52.9
86 62.7 53.7 80.5





#25

2-Butanone

Concen: 1.394 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY011640.D

Acq: 30 Nov 2022 14:52

Instrument :

MSVOA_Y

ClientSampleId :

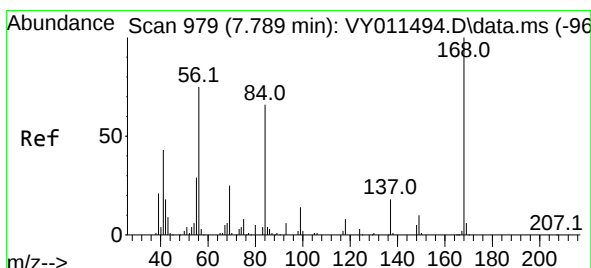
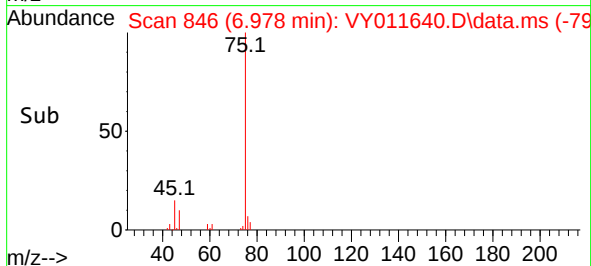
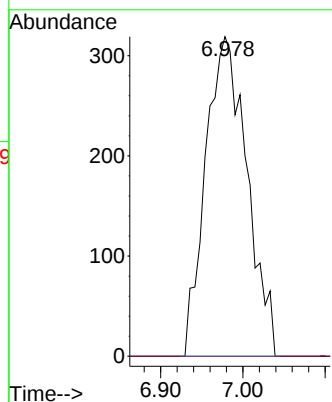
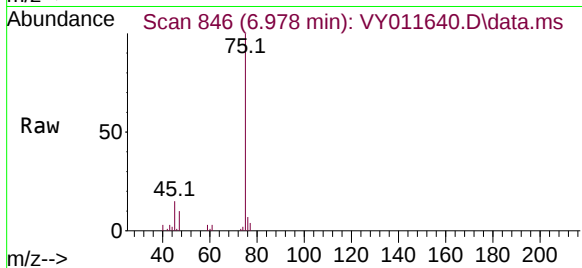
220-1-STONES

Tgt Ion: 43 Resp: 1116

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#31

Cyclohexane

Concen: 1.319 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY011640.D

Acq: 30 Nov 2022 14:52

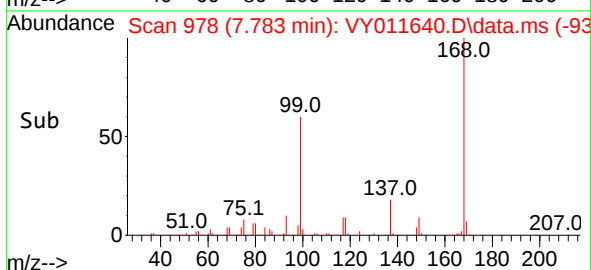
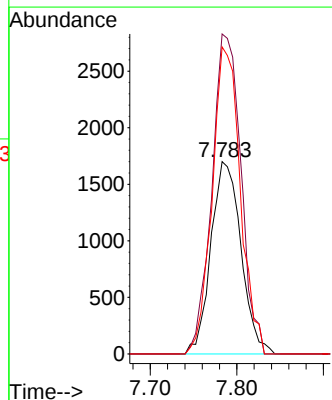
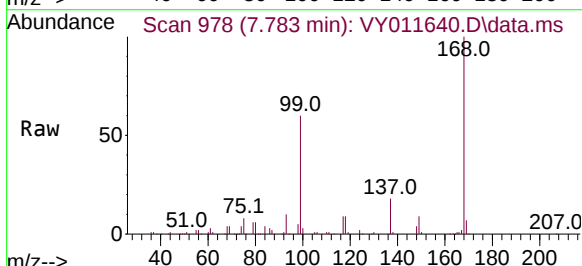
Tgt Ion: 56 Resp: 4099

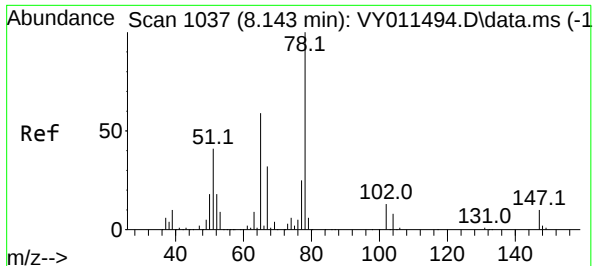
Ion Ratio Lower Upper

56 100

69 166.4 26.7 40.1#

84 159.6 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 69.297 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY011640.D

Acq: 30 Nov 2022 14:52

Instrument :

MSVOA_Y

ClientSampleId :

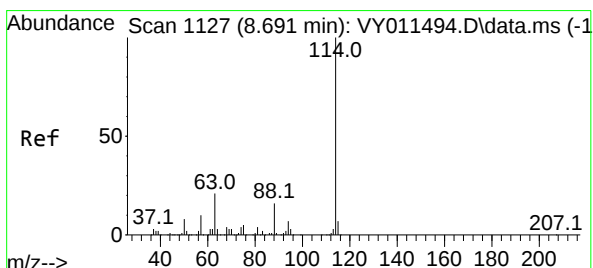
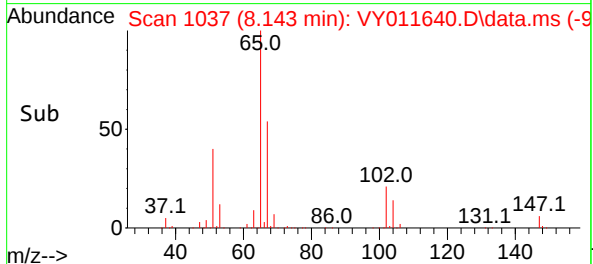
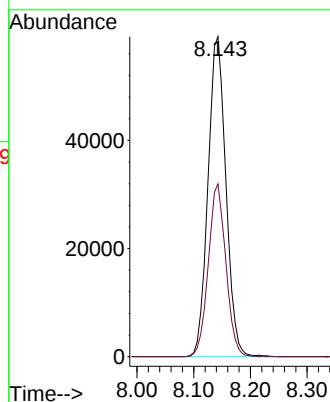
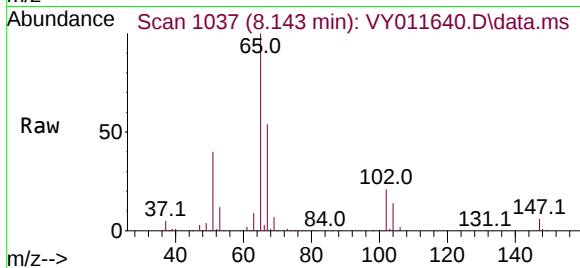
220-1-STONES

Tgt Ion: 65 Resp: 129930

Ion Ratio Lower Upper

65 100

67 52.8 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: VY011640.D

Acq: 30 Nov 2022 14:52

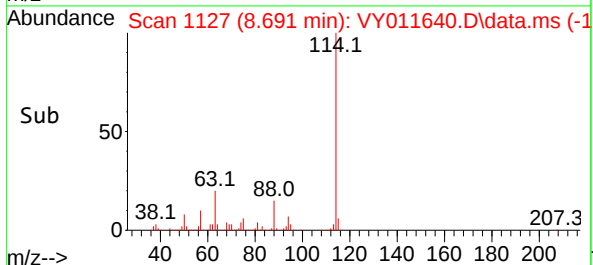
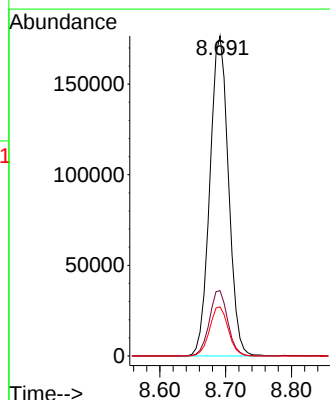
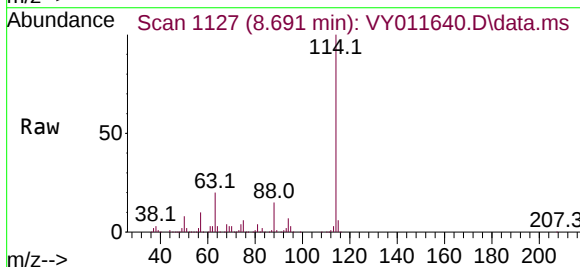
Tgt Ion: 114 Resp: 347503

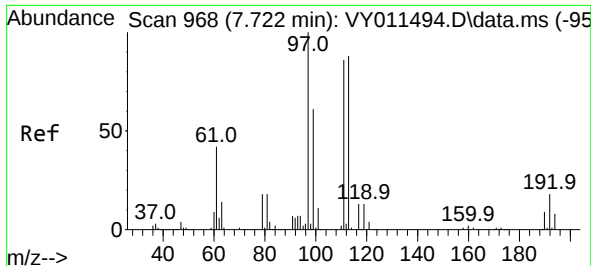
Ion Ratio Lower Upper

114 100

63 20.4 0.0 43.2

88 15.3 0.0 31.8

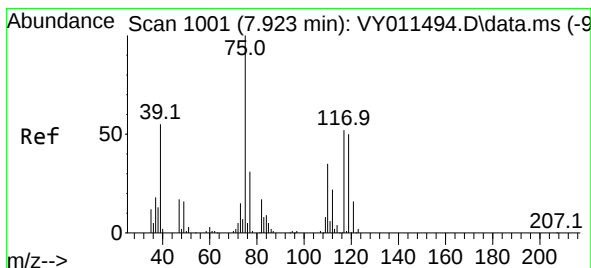
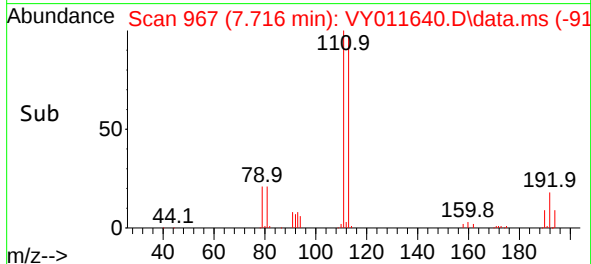
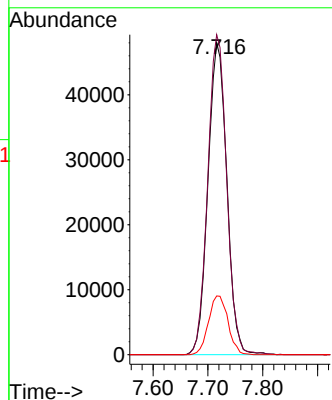
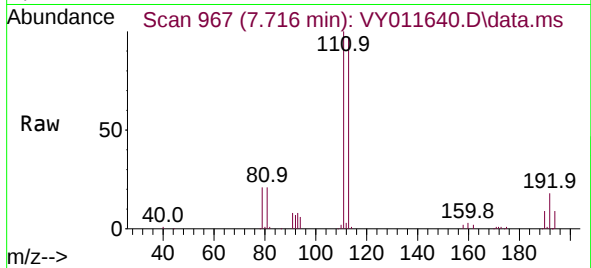




#35
Dibromofluoromethane
Concen: 53.580 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY011640.D
Acq: 30 Nov 2022 14:52

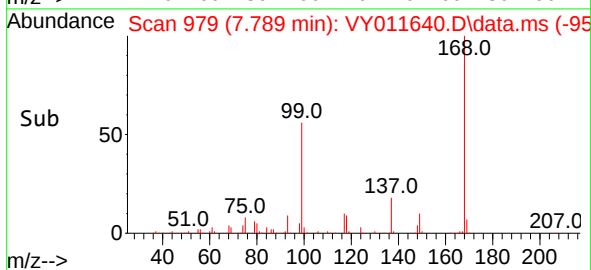
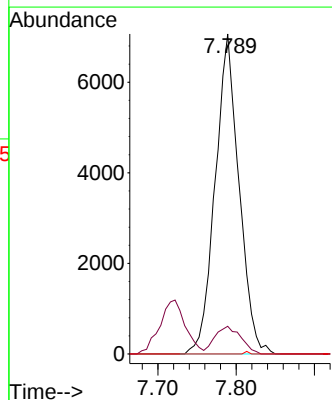
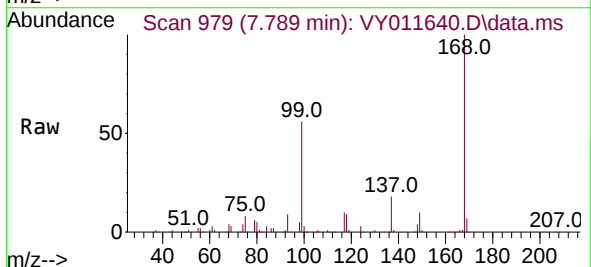
Instrument :
MSVOA_Y
ClientSampleId :
220-1-STONES

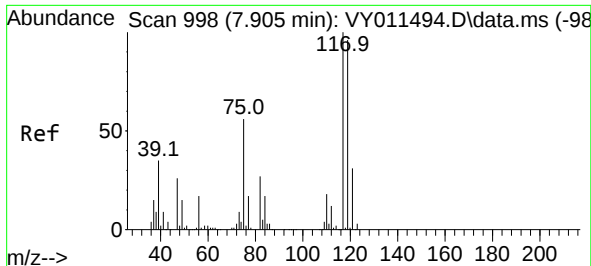
Tgt Ion:113 Resp: 114618
Ion Ratio Lower Upper
113 100
111 102.8 82.6 124.0
192 19.4 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.468 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY011640.D
Acq: 30 Nov 2022 14:52

Tgt Ion: 75 Resp: 14939
Ion Ratio Lower Upper
75 100
110 9.4 17.1 51.2#
77 0.0 24.4 36.6#

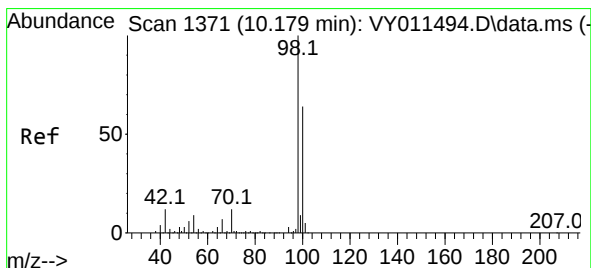
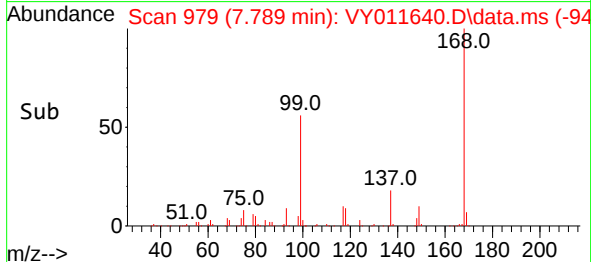
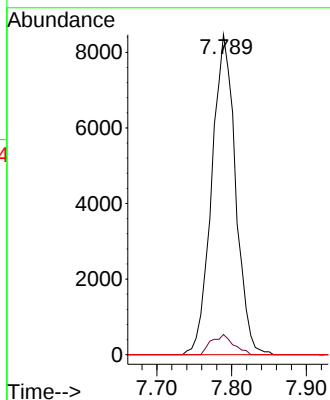
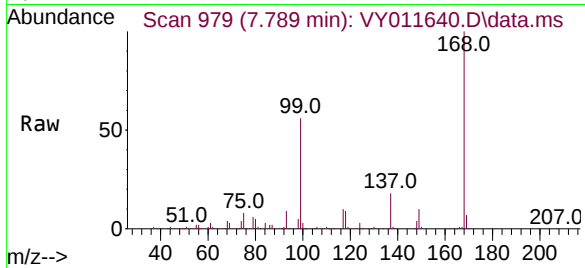




#38
Carbon Tetrachloride
Concen: 5.021 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011640.D
Acq: 30 Nov 2022 14:52

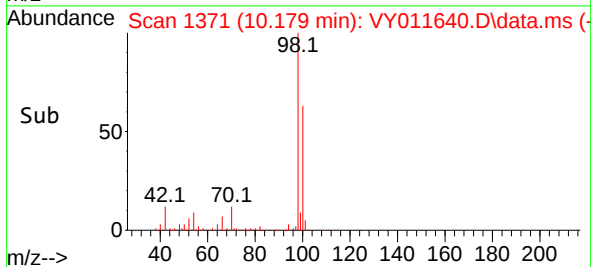
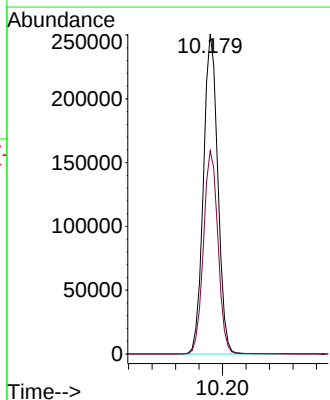
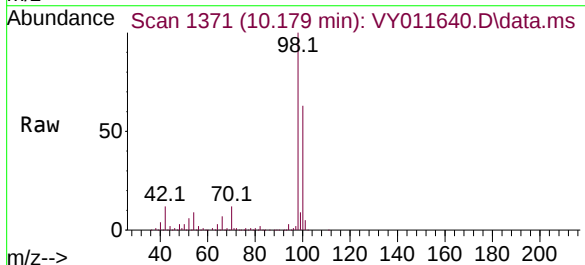
Instrument :
MSVOA_Y
ClientSampleId :
220-1-STONES

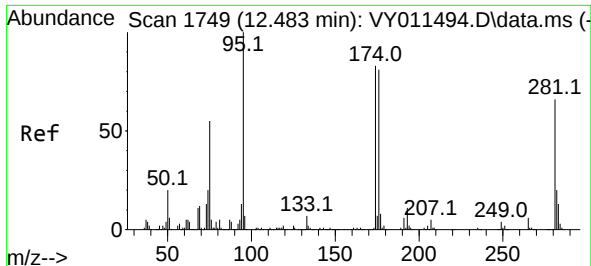
Tgt Ion:117 Resp: 18785
Ion Ratio Lower Upper
117 100
119 6.3 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 54.897 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011640.D
Acq: 30 Nov 2022 14:52

Tgt Ion: 98 Resp: 426749
Ion Ratio Lower Upper
98 100
100 63.9 50.2 75.2

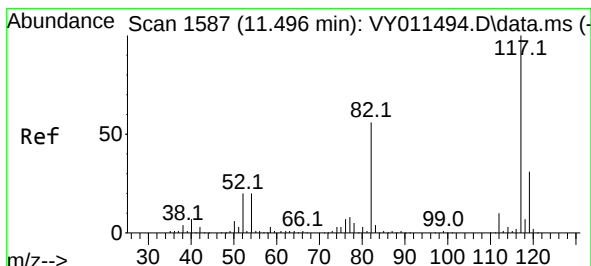
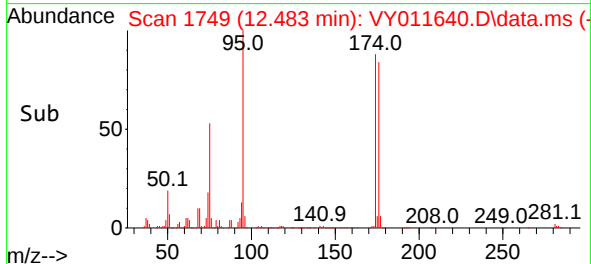
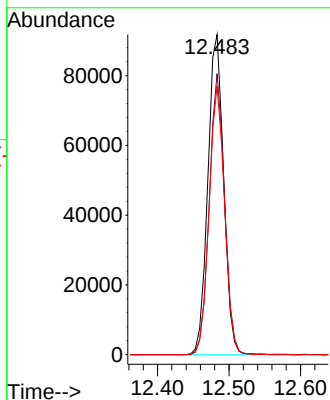
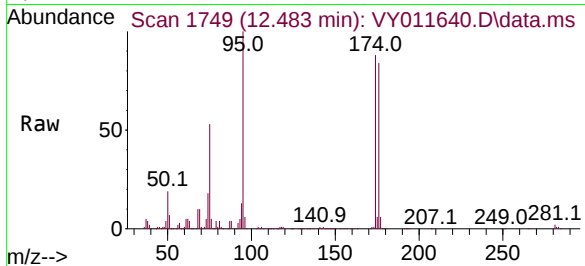




#62
4-Bromofluorobenzene
Concen: 48.970 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011640.D
Acq: 30 Nov 2022 14:52

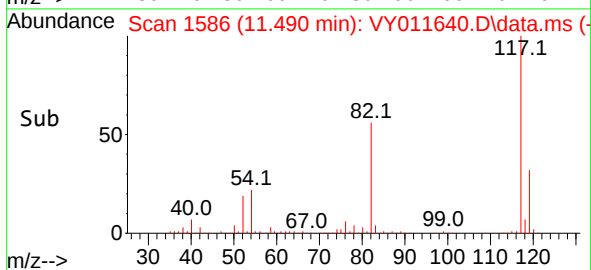
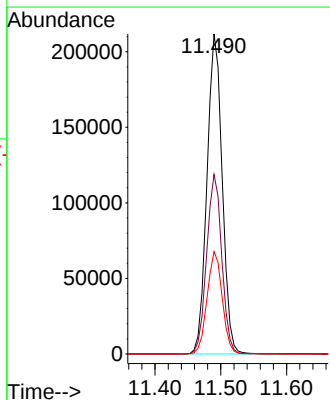
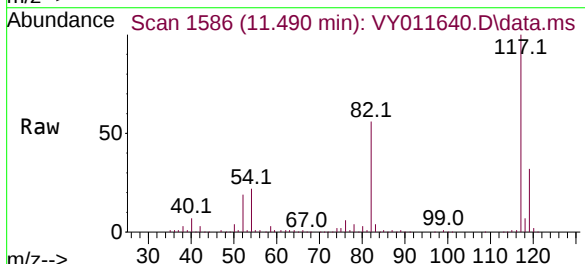
Instrument :
MSVOA_Y
ClientSampleId :
220-1-STONES

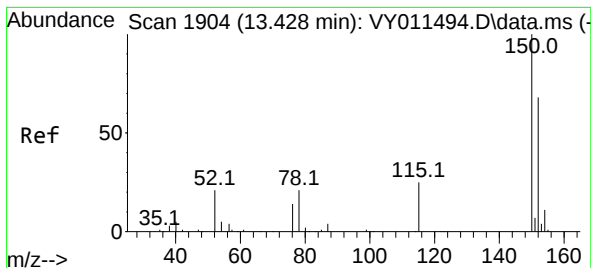
Tgt Ion: 95 Resp: 140747
Ion Ratio Lower Upper
95 100
174 85.2 0.0 177.0
176 82.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY011640.D
Acq: 30 Nov 2022 14:52

Tgt Ion: 117 Resp: 340787
Ion Ratio Lower Upper
117 100
82 56.1 43.0 64.4
119 32.0 25.4 38.0

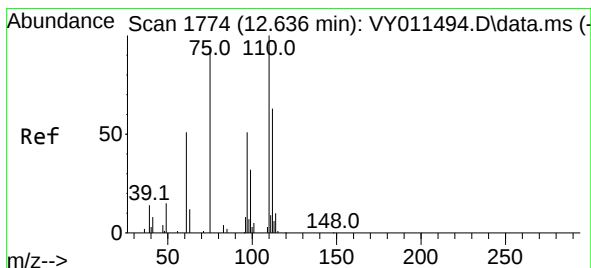
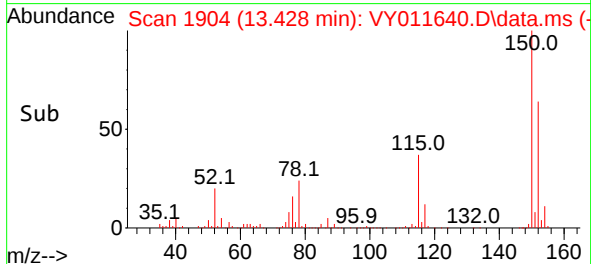
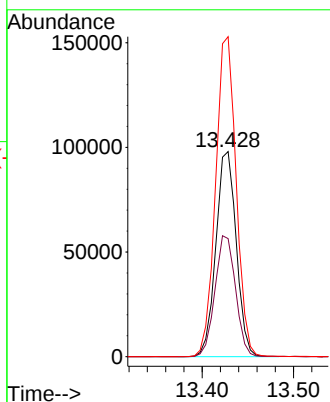
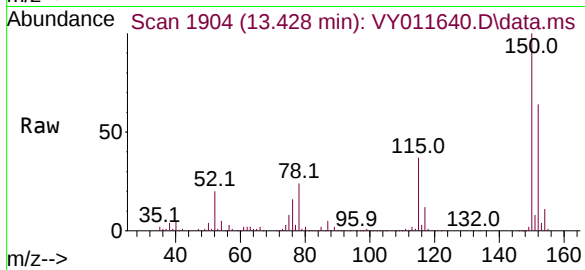




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY011640.D
 Acq: 30 Nov 2022 14:52

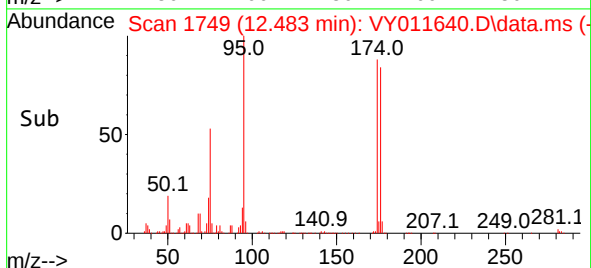
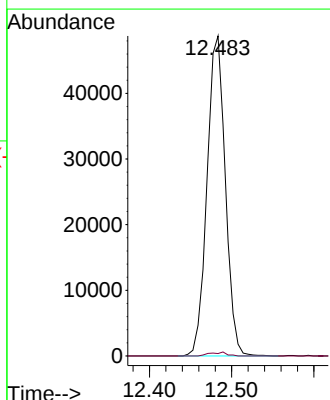
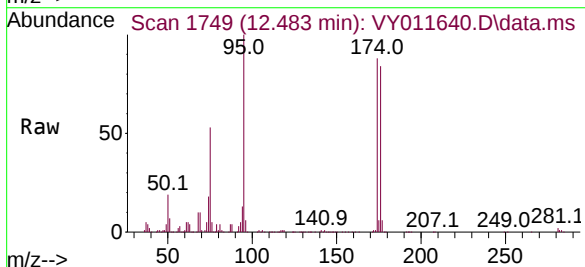
Instrument :
 MSVOA_Y
 ClientSampleId :
 220-1-STONES

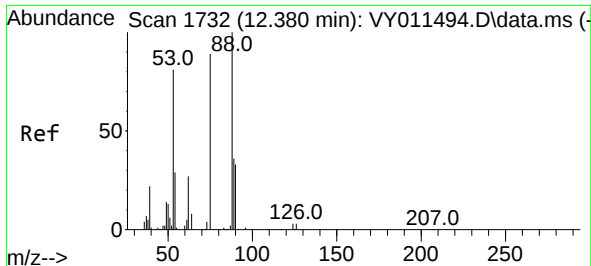
Tgt Ion:152 Resp: 152140
 Ion Ratio Lower Upper
 152 100
 115 59.5 28.2 84.7
 150 156.9 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 45.980 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY011640.D
 Acq: 30 Nov 2022 14:52

Tgt Ion: 75 Resp: 75335
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#

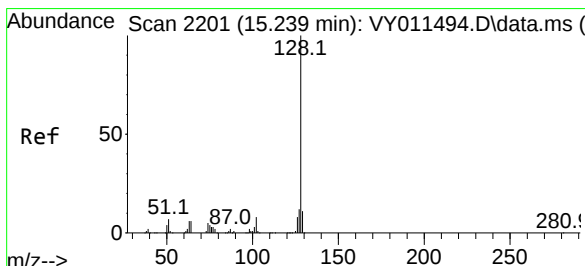
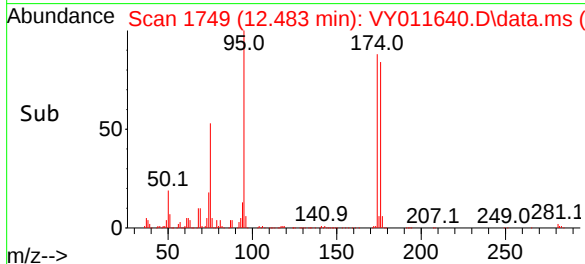
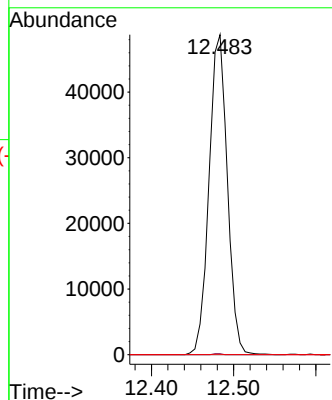
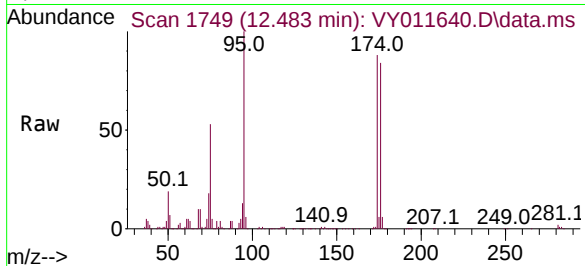




#81
trans-1,4-Dichloro-2-butene
Concen: 100.711 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY011640.D
Acq: 30 Nov 2022 14:52

Instrument :
MSVOA_Y
ClientSampleId :
220-1-STONES

Tgt Ion: 75 Resp: 75335
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 4.159 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY011640.D
Acq: 30 Nov 2022 14:52

Tgt Ion: 128 Resp: 811
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 5.5 8.4 12.6#

