

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120722\
 Data File : VY011733.D
 Acq On : 07 Dec 2022 17:27
 Operator : KP/MD
 Sample : N5897-09RE
 Misc : 5.81g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 STOCK-PILE

Quant Time: Dec 08 07:57:02 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)

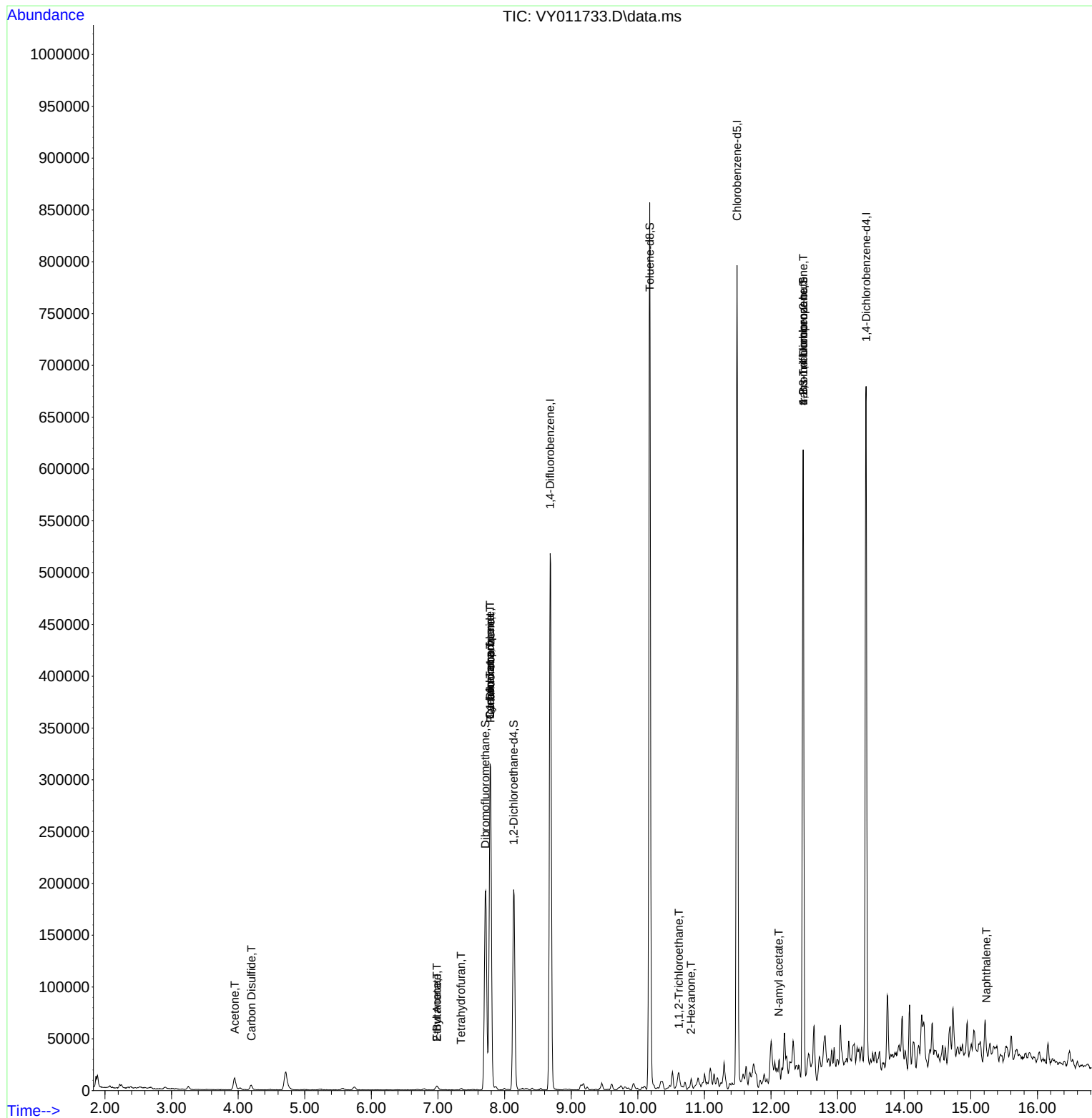
Internal Standards						
1) Pentafluorobenzene	7.789	168	244473	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	446337	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	419363	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	175427	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	153764	61.942	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.880%	
35) Dibromofluoromethane	7.710	113	141093	51.351	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.700%	
50) Toluene-d8	10.179	98	540513	54.135	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.260%	
62) 4-Bromofluorobenzene	12.483	95	181547	49.178	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 98.360%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.912	85	104	Below Cal	#	43
3) Chloromethane	2.107	50	304	Below Cal	#	44
5) Bromomethane	2.656	94	197	Below Cal	#	4
11) Tert butyl alcohol	4.942	59	363	Below Cal	#	77
16) Acetone	3.948	43	19998	24.802	ug/l #	86
17) Carbon Disulfide	4.198	76	8229	1.382	ug/l	99
18) Methyl Acetate	4.479	43	753	Below Cal	#	70
20) Methylene Chloride	4.716	84	12832	Below Cal		84
25) 2-Butanone	6.984	43	6681	6.305	ug/l #	86
29) Tetrahydrofuran	7.344	42	953	1.592	ug/l #	90
31) Cyclohexane	7.783	56	5812	1.413	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	19273	4.487	ug/l #	52
37) Ethyl Acetate	6.984	43	6681	2.732	ug/l #	72
38) Carbon Tetrachloride	7.783	117	24972	5.197	ug/l #	16
55) 1,1,2-Trichloroethane	10.618	97	4728	1.848	ug/l #	20
59) 2-Hexanone	10.801	43	3726	2.129	ug/l #	32
74) N-amyl acetate	12.117	43	4893	1.562	ug/l #	47
76) 1,2,3-Trichloropropane	12.483	75	95528	50.565	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	95528	110.753	ug/l #	8
95) Naphthalene	15.233	128	2991	4.463	ug/l #	67

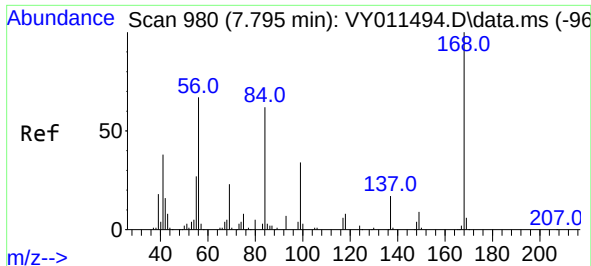
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

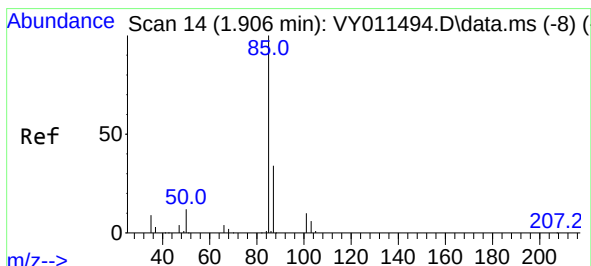
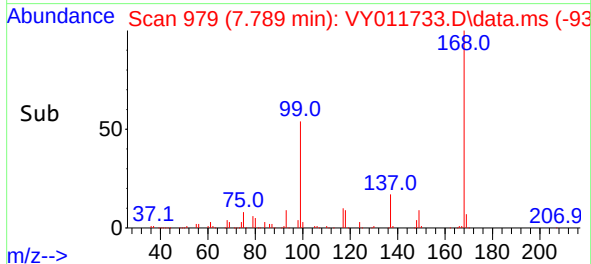
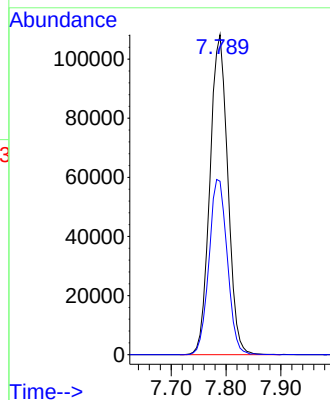
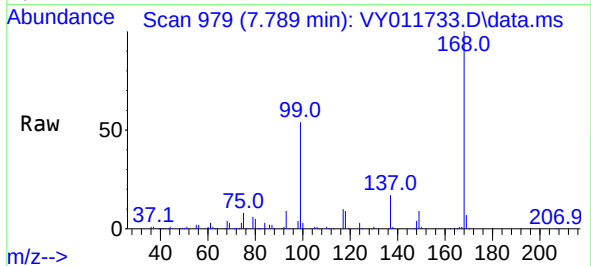




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011733.D
Acq: 07 Dec 2022 17:27

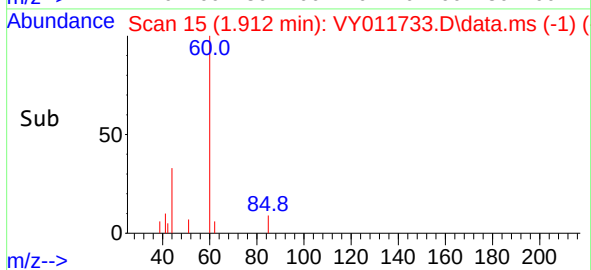
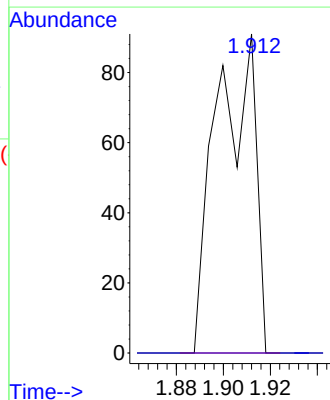
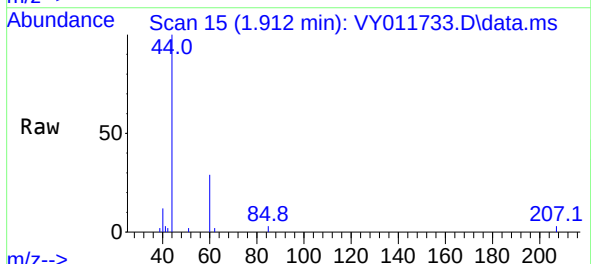
Instrument :
MSVOA_Y
ClientSampleId :
STOCK-PILE

Tgt Ion:168 Resp: 244473
Ion Ratio Lower Upper
168 100
99 54.2 46.9 70.3

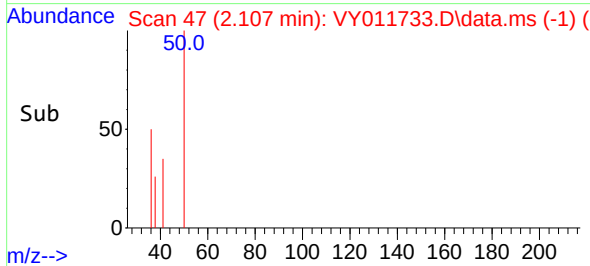
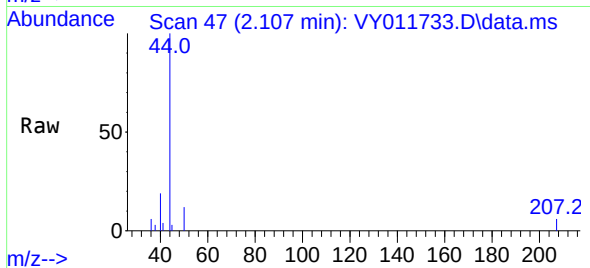
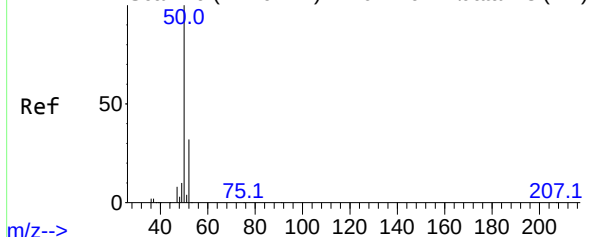


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY011733.D
Acq: 07 Dec 2022 17:27

Tgt Ion: 85 Resp: 104
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#



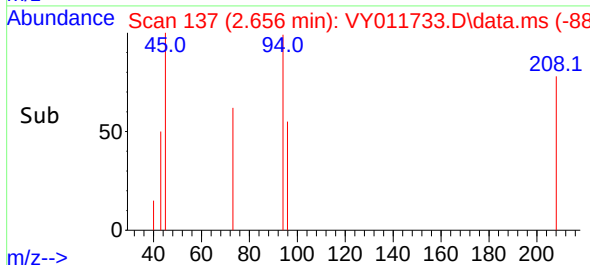
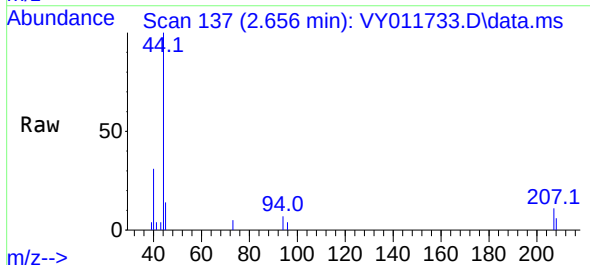
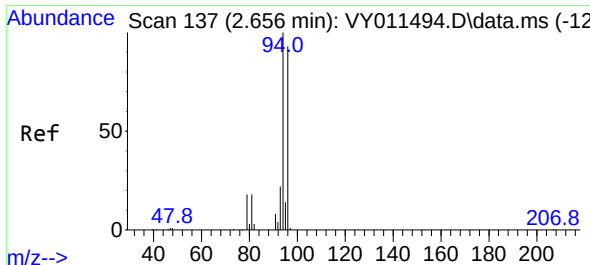
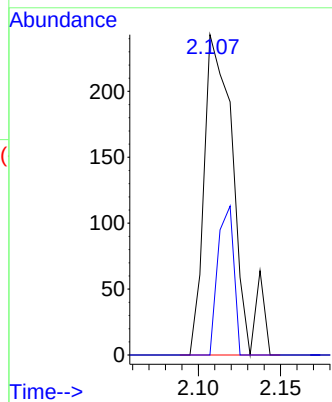
Abundance Scan 49 (2.119 min): VY011494.D\data.ms (-41)



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY011733.D
Acq: 07 Dec 2022 17:27

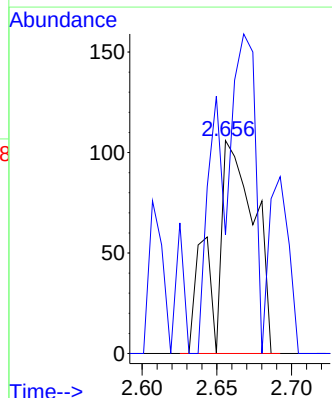
Instrument :
MSVOA_Y
ClientSampleId :
STOCK-PILE

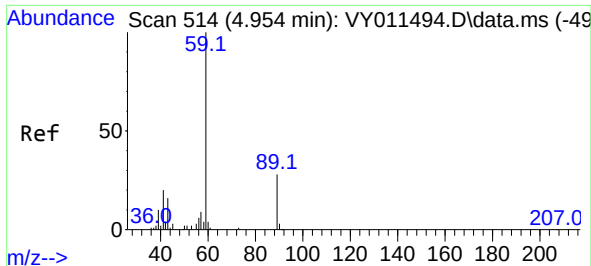
Tgt Ion: 50 Resp: 304
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 137
Delta R.T. -0.000 min
Lab File: VY011733.D
Acq: 07 Dec 2022 17:27

Tgt Ion: 94 Resp: 197
Ion Ratio Lower Upper
94 100
96 0.0 73.5 110.3#

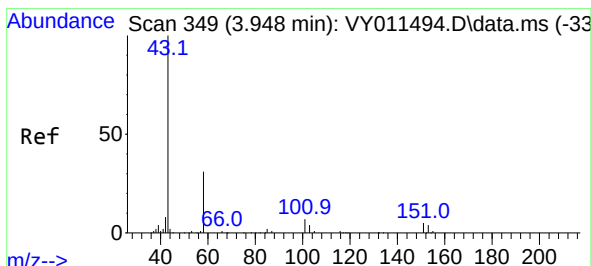
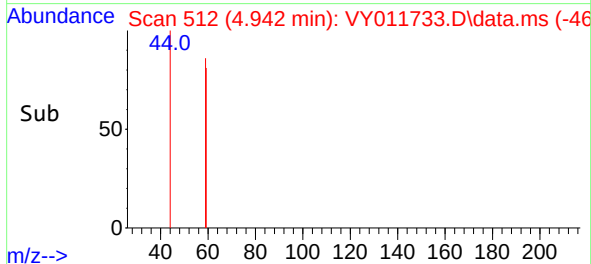
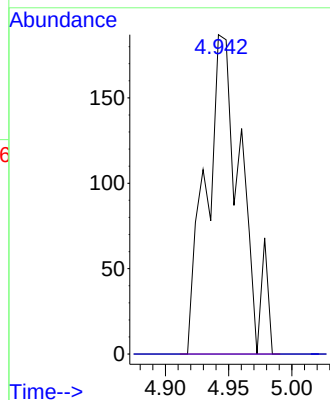
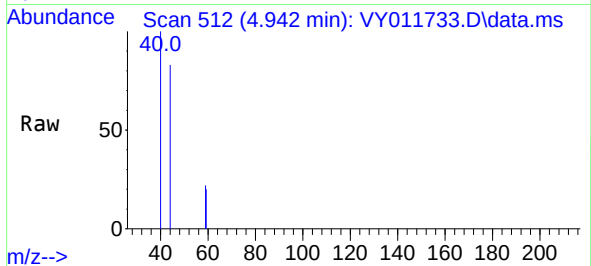




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 514
Delta R.T. -0.012 min
Lab File: VY011733.D
Acq: 07 Dec 2022 17:27

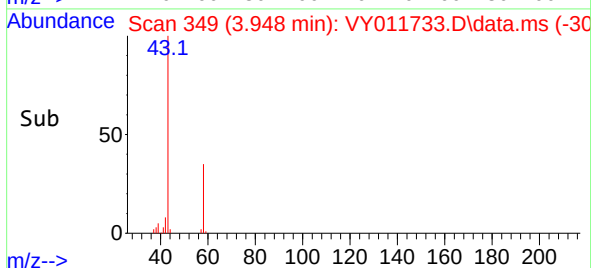
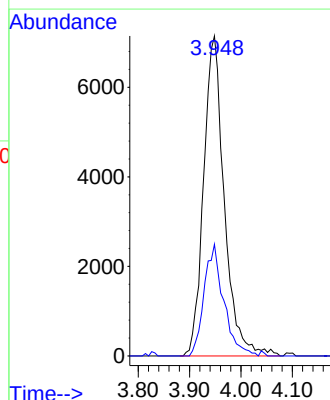
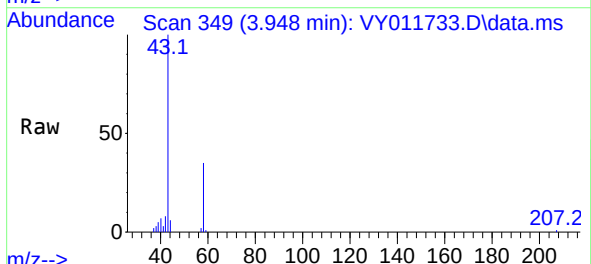
Instrument :
MSVOA_Y
ClientSampleId :
STOCK-PILE

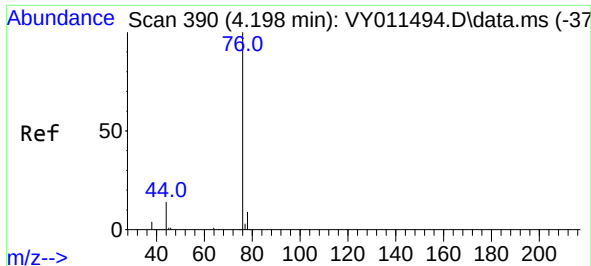
Tgt Ion: 59 Resp: 363
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 24.802 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY011733.D
Acq: 07 Dec 2022 17:27

Tgt Ion: 43 Resp: 19998
Ion Ratio Lower Upper
43 100
58 34.9 22.0 33.0#

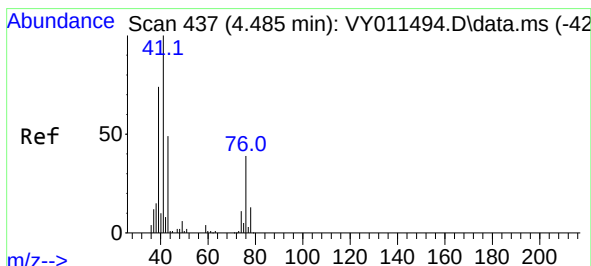
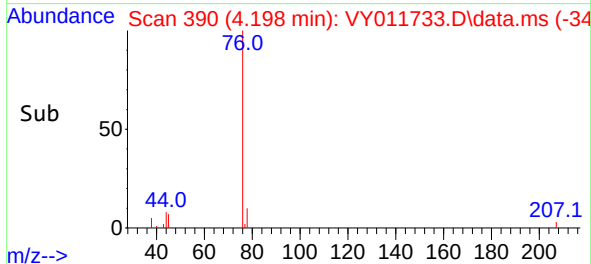
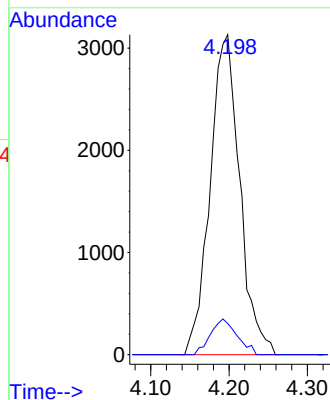
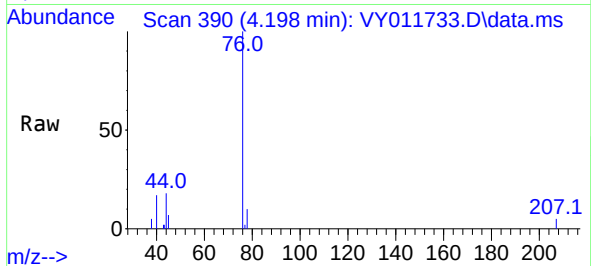




#17
Carbon Disulfide
Concen: 1.382 ug/l
RT: 4.198 min Scan# 390
Delta R.T. 0.000 min
Lab File: VY011733.D
Acq: 07 Dec 2022 17:27

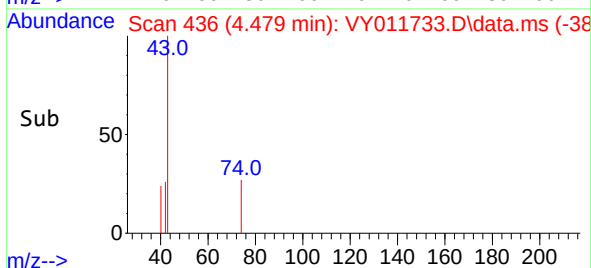
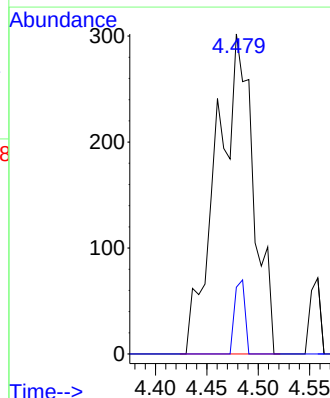
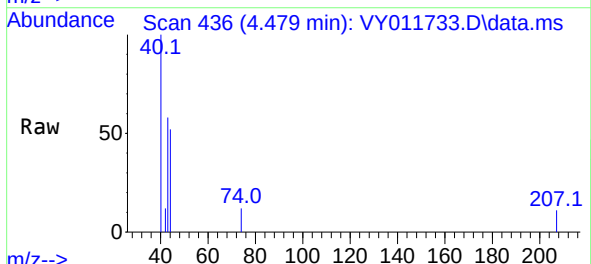
Instrument :
MSVOA_Y
ClientSampleId :
STOCK-PILE

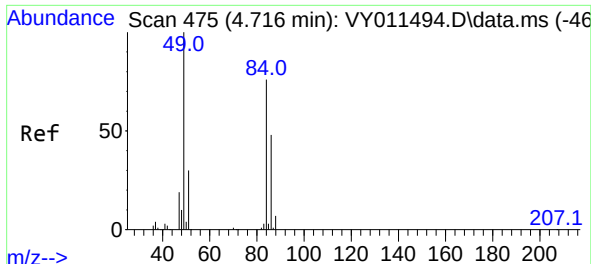
Tgt Ion: 76 Resp: 8229
Ion Ratio Lower Upper
76 100
78 9.7 7.4 11.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.479 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY011733.D
Acq: 07 Dec 2022 17:27

Tgt Ion: 43 Resp: 753
Ion Ratio Lower Upper
43 100
74 6.5 16.6 24.8#



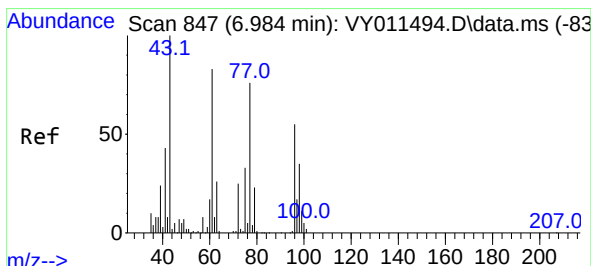
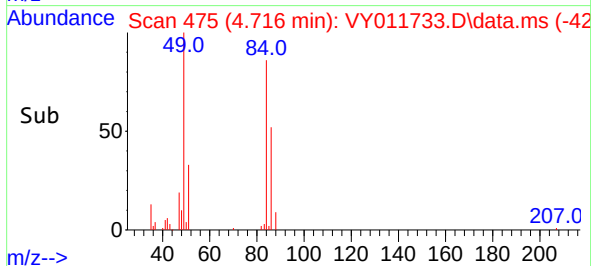
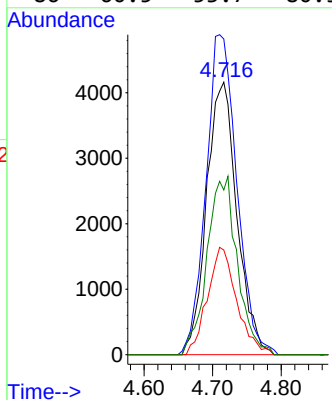
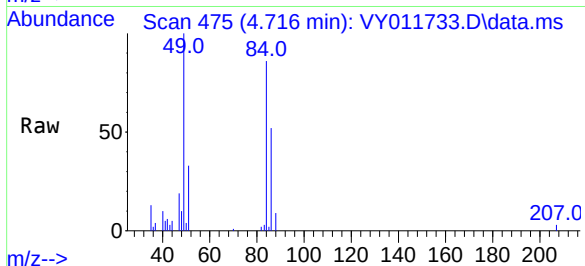


#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011733.D
Acq: 07 Dec 2022 17:27

Instrument :
MSVOA_Y
ClientSampleId :
STOCK-PILE

Tgt Ion: 84 Resp: 12832

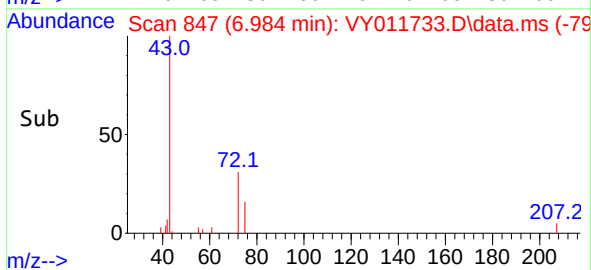
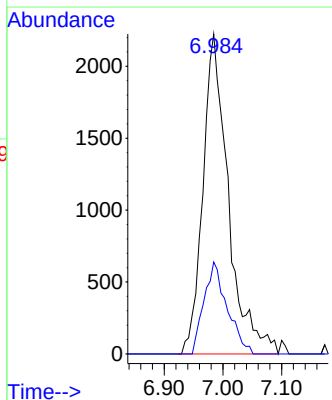
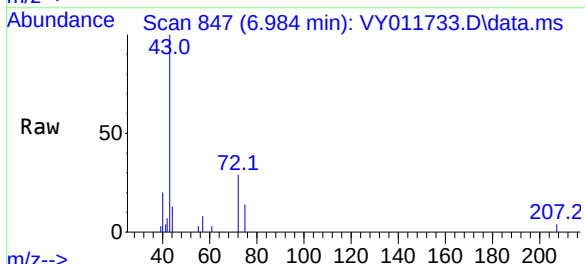
Ion	Ratio	Lower	Upper
84	100		
49	115.9	114.4	171.6
51	38.4	35.3	52.9
86	60.5	53.7	80.5

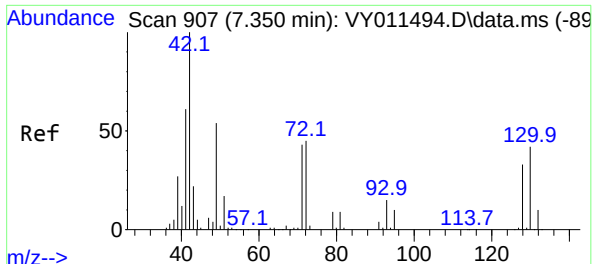


#25
2-Butanone
Concen: 6.305 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY011733.D
Acq: 07 Dec 2022 17:27

Tgt Ion: 43 Resp: 6681

Ion	Ratio	Lower	Upper
43	100		
72	28.7	17.7	26.5#





#29

Tetrahydrofuran

Concen: 1.592 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.006 min

Lab File: VY011733.D

Acq: 07 Dec 2022 17:27

Instrument :

MSVOA_Y

ClientSampleId :

STOCK-PILE

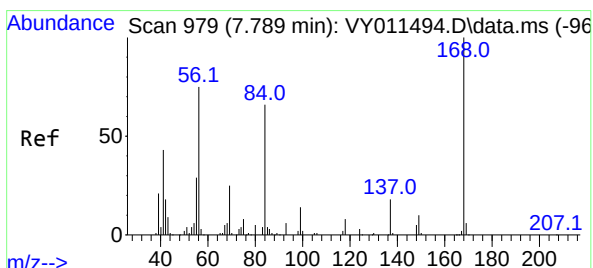
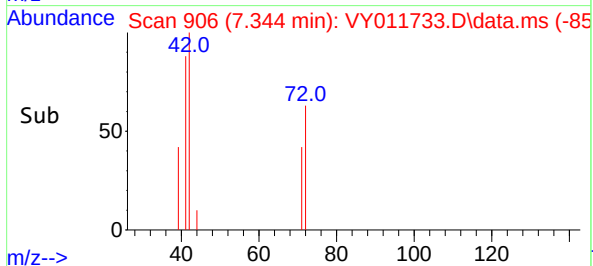
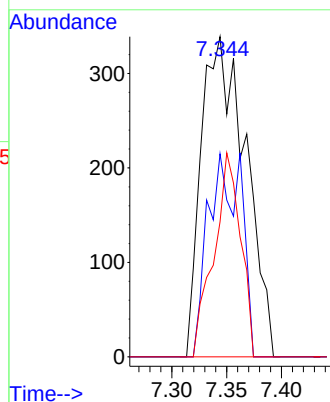
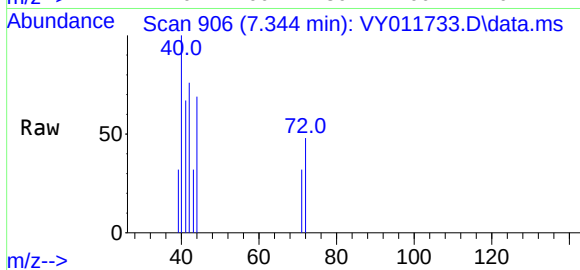
Tgt Ion: 42 Resp: 953

Ion Ratio Lower Upper

42 100

72 47.1 30.3 45.5#

71 38.3 29.0 43.4



#31

Cyclohexane

Concen: 1.413 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY011733.D

Acq: 07 Dec 2022 17:27

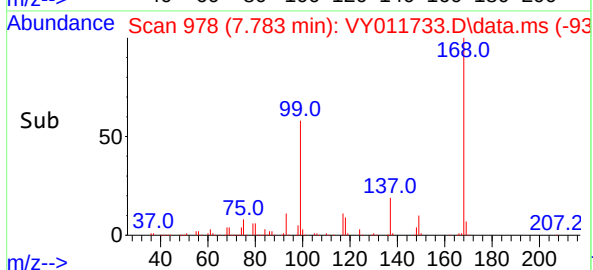
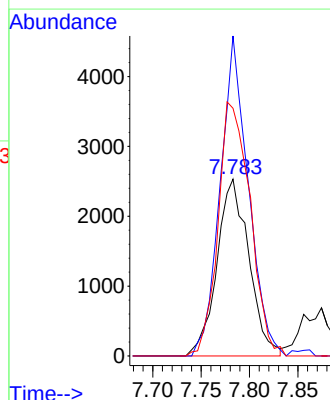
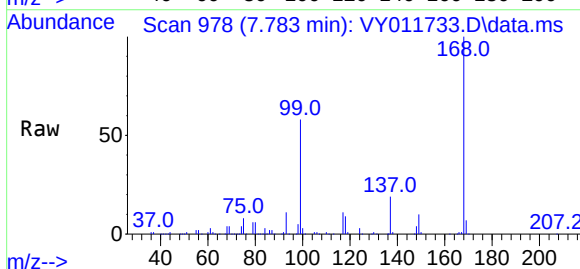
Tgt Ion: 56 Resp: 5812

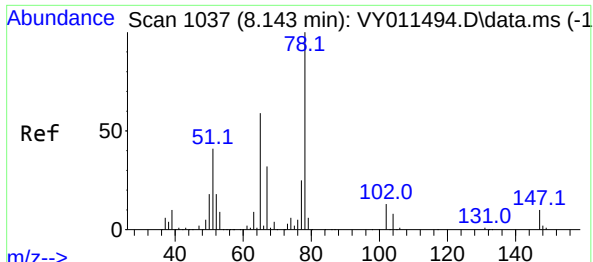
Ion Ratio Lower Upper

56 100

69 181.0 26.7 40.1#

84 140.1 67.2 100.8#

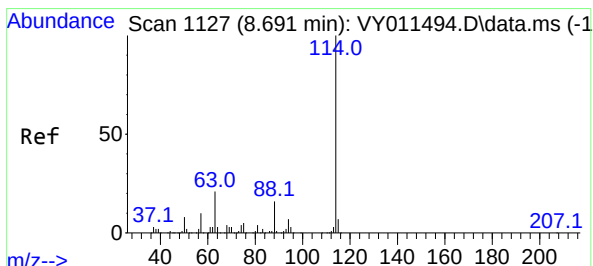
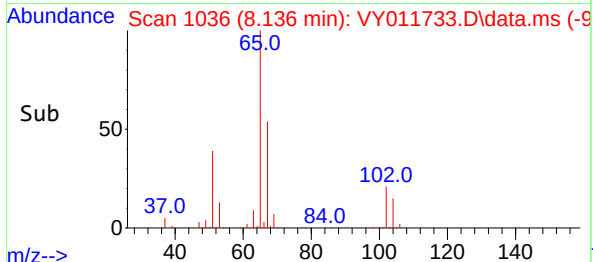
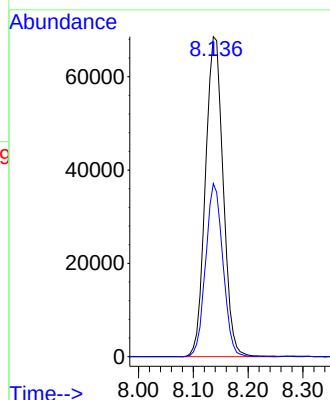
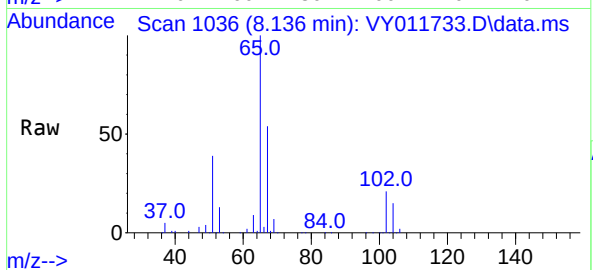




#33
1,2-Dichloroethane-d4
Concen: 61.942 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY011733.D
Acq: 07 Dec 2022 17:27

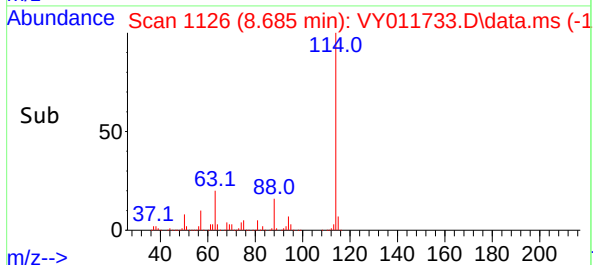
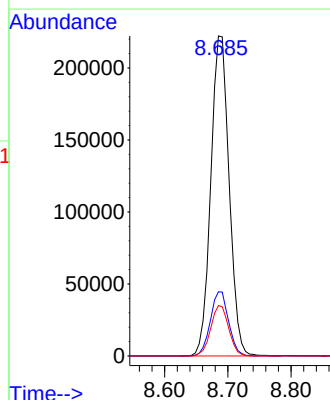
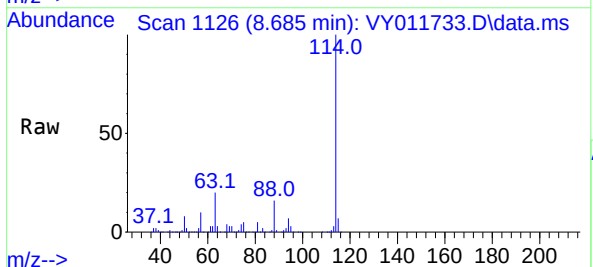
Instrument :
MSVOA_Y
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STOCK-PILE

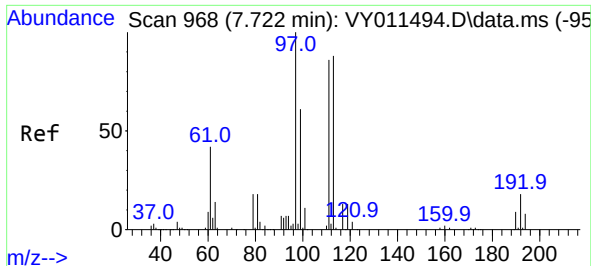
Tgt Ion: 65 Resp: 153764
Ion Ratio Lower Upper
65 100
67 52.6 0.0 99.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY011733.D
Acq: 07 Dec 2022 17:27

Tgt Ion: 114 Resp: 446337
Ion Ratio Lower Upper
114 100
63 20.0 0.0 43.2
88 15.7 0.0 31.8

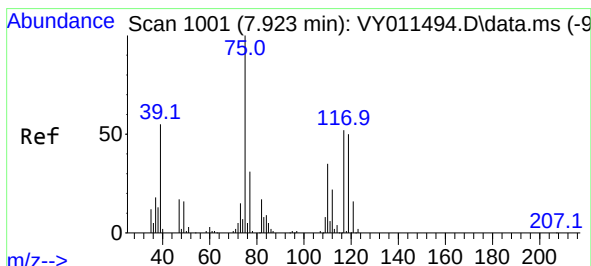
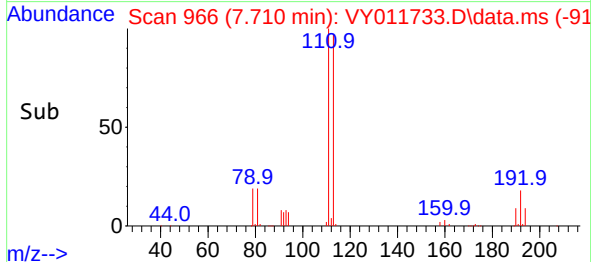
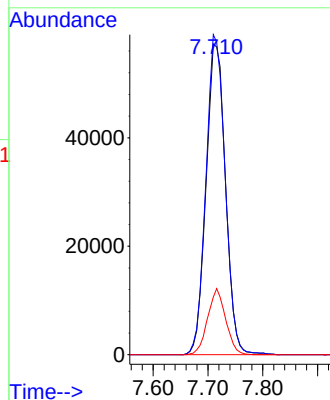
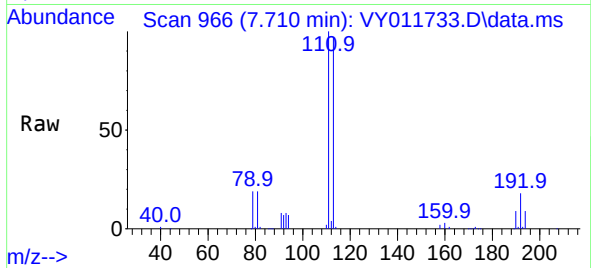




#35
Dibromofluoromethane
Concen: 51.351 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.012 min
Lab File: VY011733.D
Acq: 07 Dec 2022 17:27

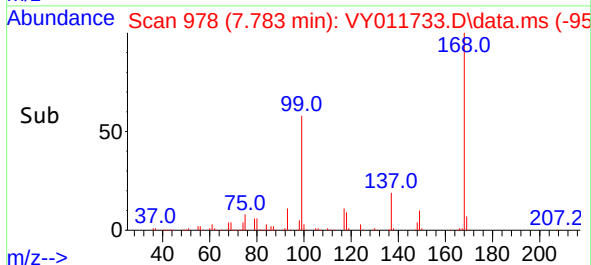
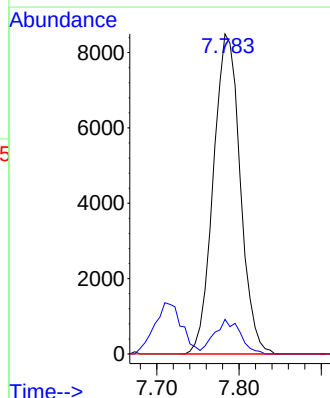
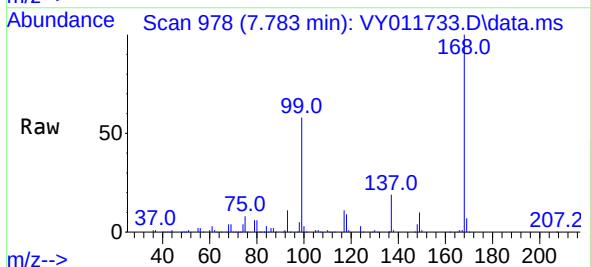
Instrument :
MSVOA_Y
ClientSampleId :
STOCK-PILE

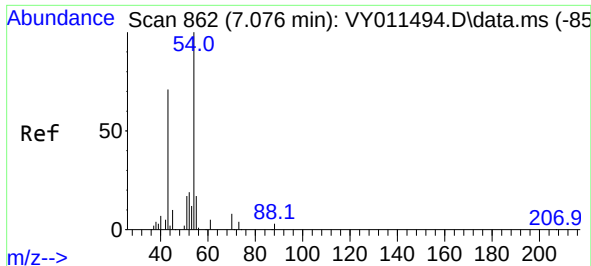
Tgt Ion:113 Resp: 141093
Ion Ratio Lower Upper
113 100
111 101.9 82.6 124.0
192 19.7 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.487 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY011733.D
Acq: 07 Dec 2022 17:27

Tgt Ion: 75 Resp: 19273
Ion Ratio Lower Upper
75 100
110 10.4 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 2.732 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.092 min

Lab File: VY011733.D

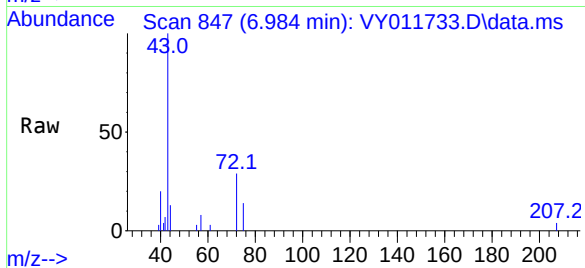
Acq: 07 Dec 2022 17:27

Instrument :

MSVOA_Y

ClientSampleId :

STOCK-PILE



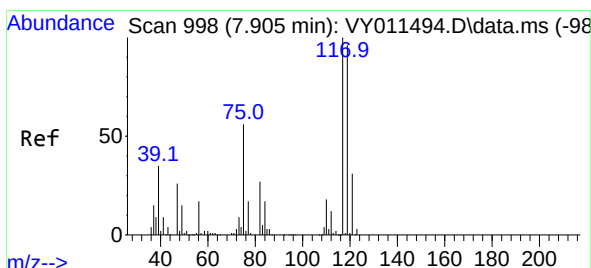
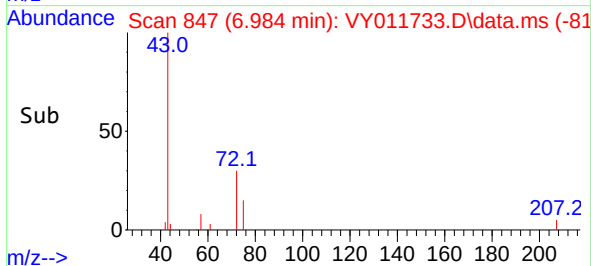
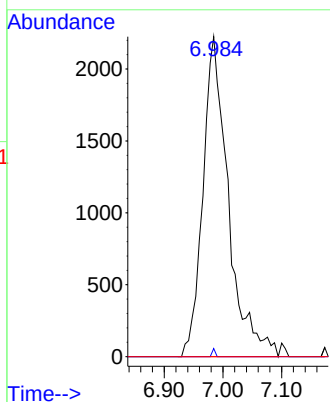
Tgt Ion: 43 Resp: 6681

Ion Ratio Lower Upper

43 100

61 0.3 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.197 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.122 min

Lab File: VY011733.D

Acq: 07 Dec 2022 17:27

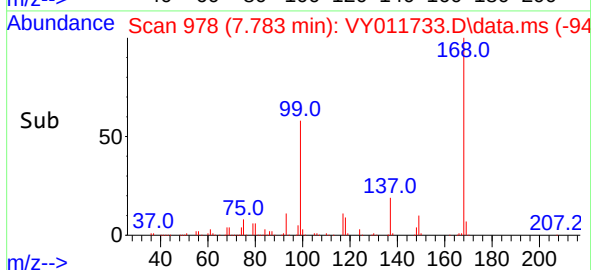
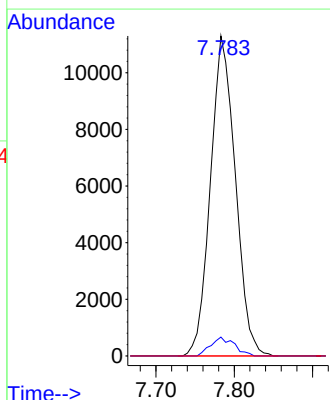
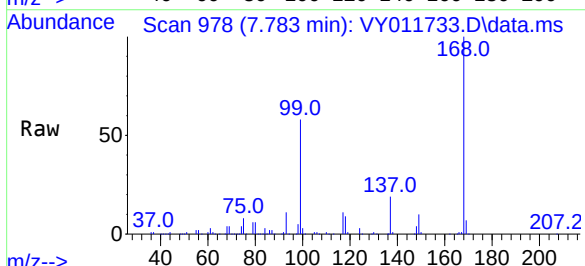
Tgt Ion: 117 Resp: 24972

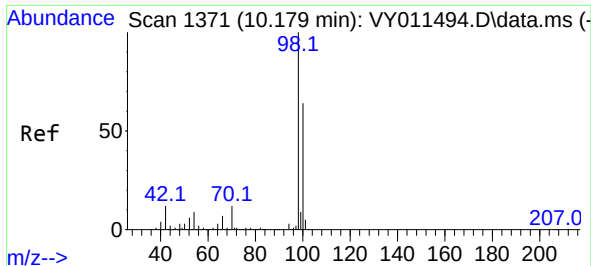
Ion Ratio Lower Upper

117 100

119 5.9 77.9 116.9#

121 0.0 24.8 37.2#

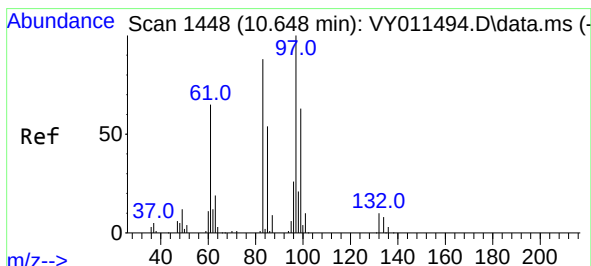
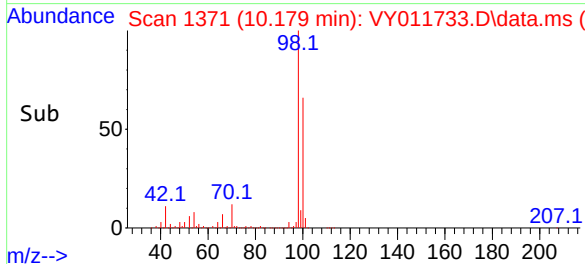
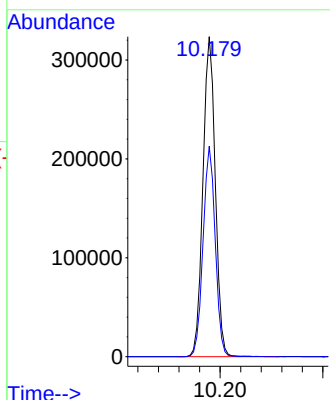
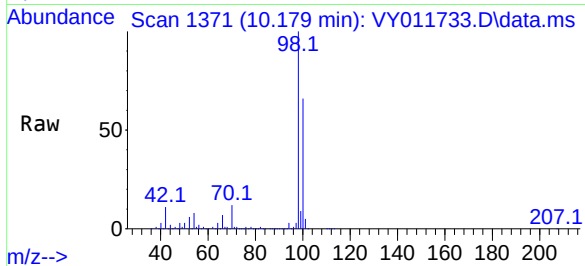




#50
Toluene-d8
Concen: 54.135 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011733.D
Acq: 07 Dec 2022 17:27

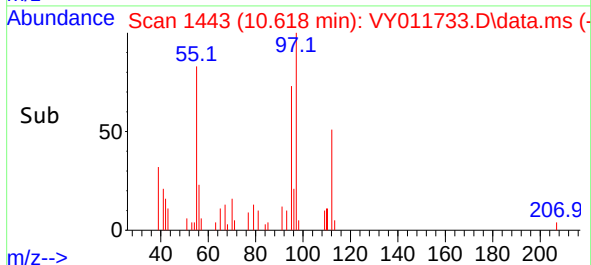
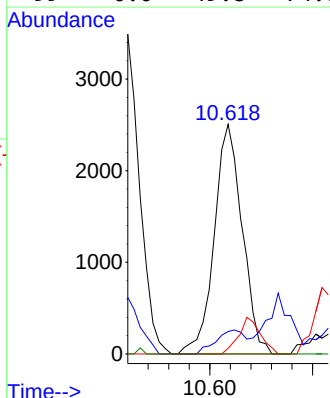
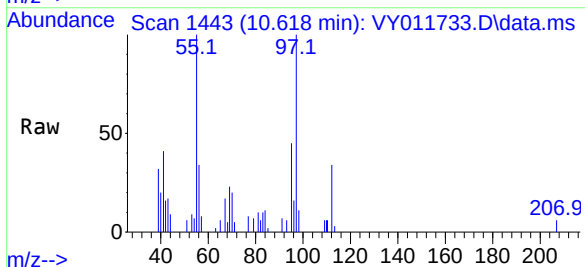
Instrument :
MSVOA_Y
ClientSampleId :
STOCK-PILE

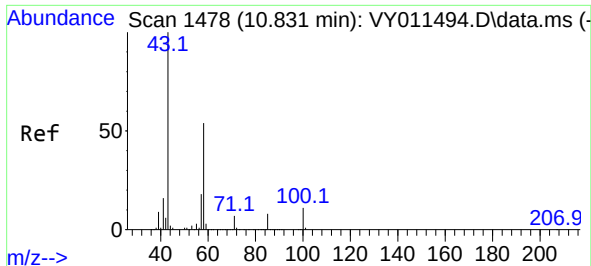
Tgt Ion: 98 Resp: 540513
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2



#55
1,1,2-Trichloroethane
Concen: 1.848 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.030 min
Lab File: VY011733.D
Acq: 07 Dec 2022 17:27

Tgt Ion: 97 Resp: 4728
Ion Ratio Lower Upper
97 100
83 9.8 69.8 104.8#
85 2.4 44.3 66.5#
99 0.0 49.8 74.6#

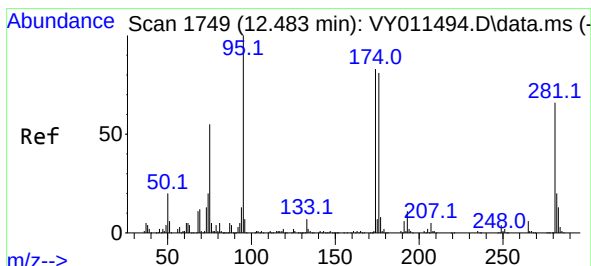
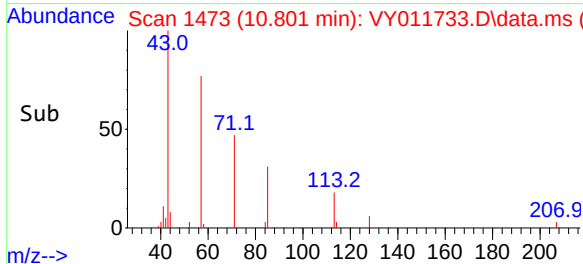
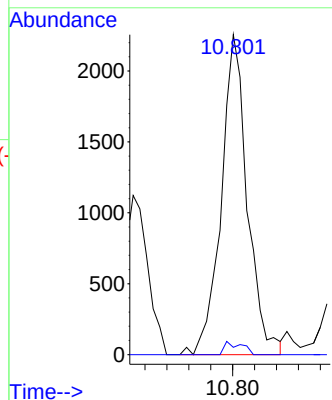
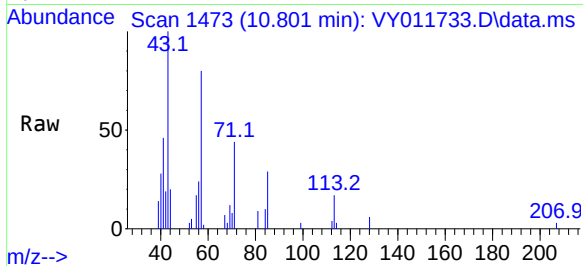




#59
2-Hexanone
Concen: 2.129 ug/l
RT: 10.801 min Scan# 1478
Delta R.T. -0.030 min
Lab File: VY011733.D
Acq: 07 Dec 2022 17:27

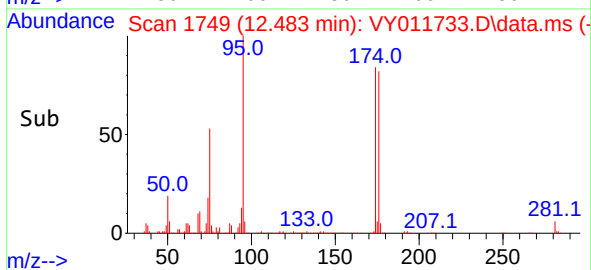
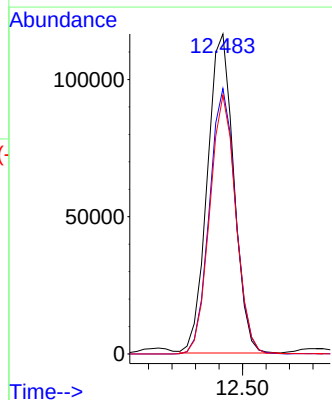
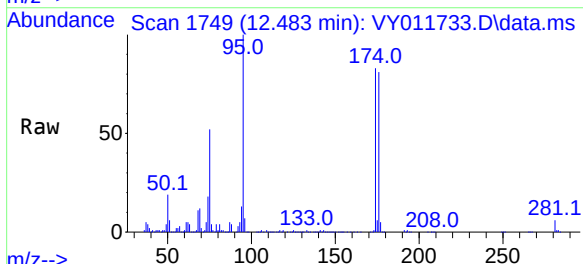
Instrument :
MSVOA_Y
ClientSampleId :
STOCK-PILE

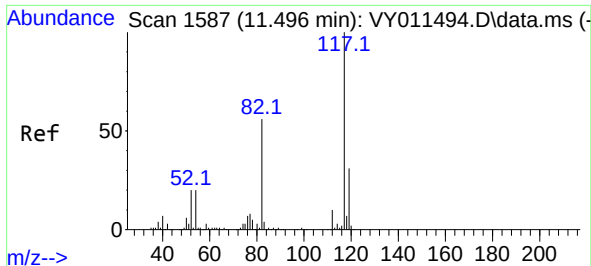
Tgt Ion: 43 Resp: 3726
Ion Ratio Lower Upper
43 100
58 2.7 24.4 73.4#



#62
4-Bromofluorobenzene
Concen: 49.178 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011733.D
Acq: 07 Dec 2022 17:27

Tgt Ion: 95 Resp: 181547
Ion Ratio Lower Upper
95 100
174 82.5 0.0 177.0
176 80.1 0.0 175.8

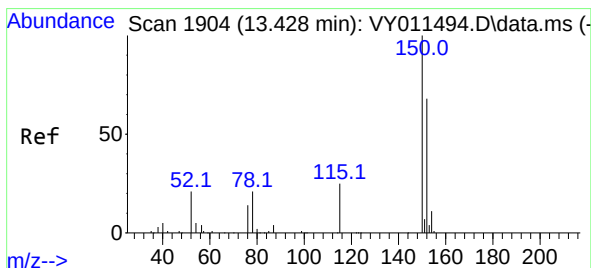
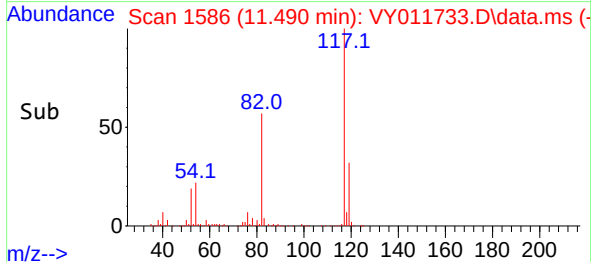
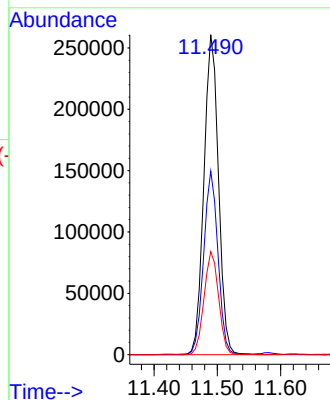
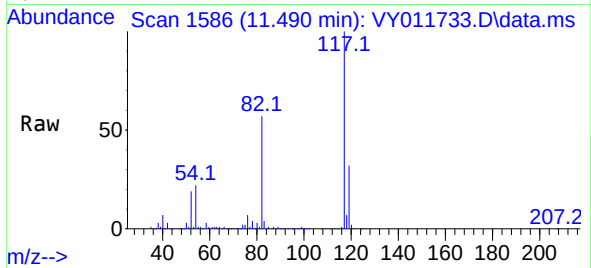




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY011733.D
Acq: 07 Dec 2022 17:27

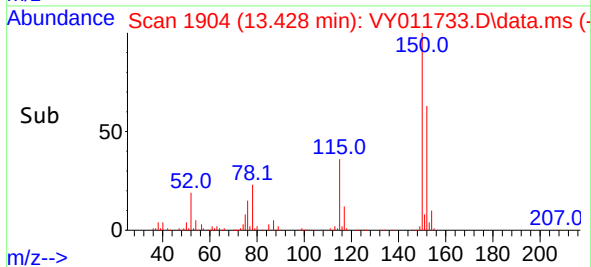
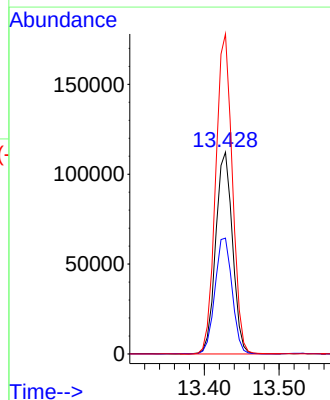
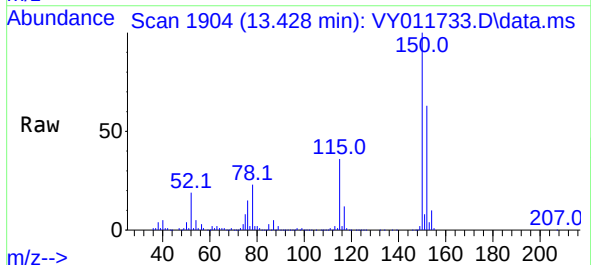
Instrument :
MSVOA_Y
ClientSampleId :
STOCK-PILE

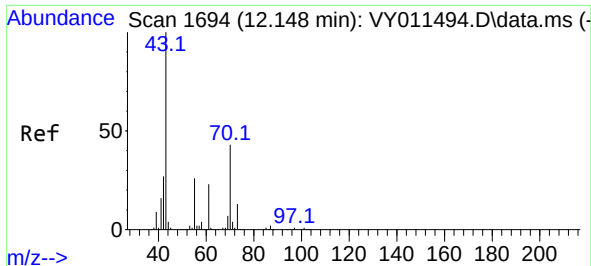
Tgt Ion:117 Resp: 419363
Ion Ratio Lower Upper
117 100
82 57.3 43.0 64.4
119 32.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011733.D
Acq: 07 Dec 2022 17:27

Tgt Ion:152 Resp: 175427
Ion Ratio Lower Upper
152 100
115 58.4 28.2 84.7
150 157.1 0.0 347.6

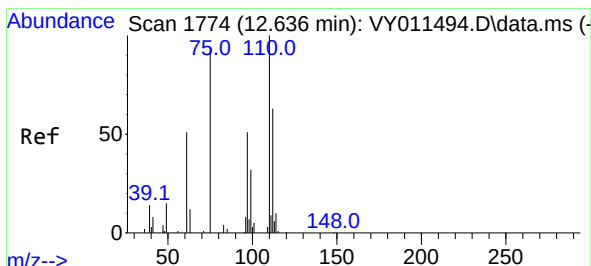
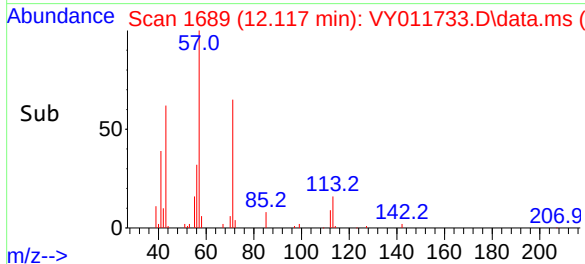
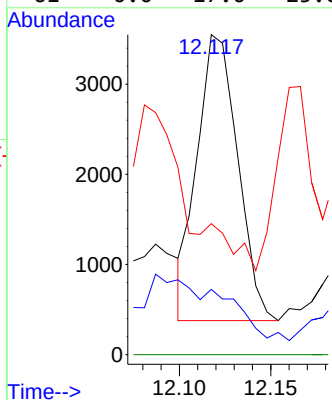
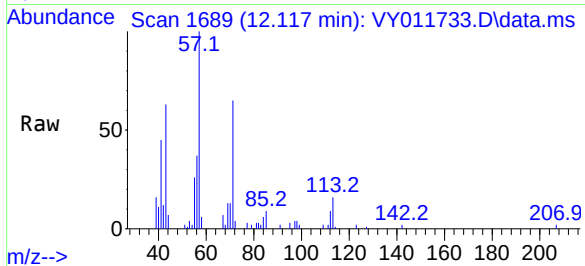




#74
N-amy1 acetate
Concen: 1.562 ug/l
RT: 12.117 min Scan# 1
Delta R.T. -0.031 min
Lab File: VY011733.D
Acq: 07 Dec 2022 17:27

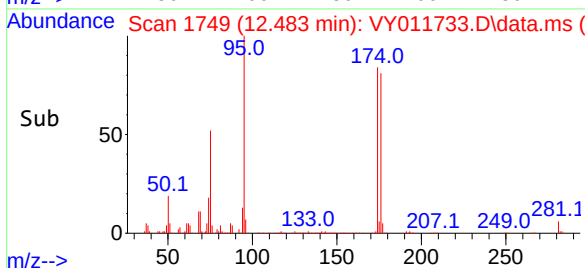
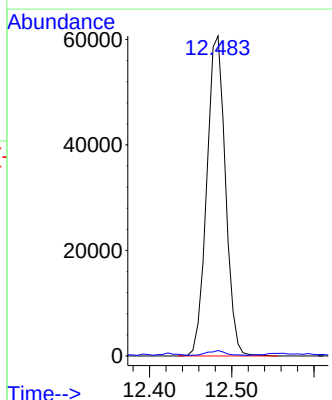
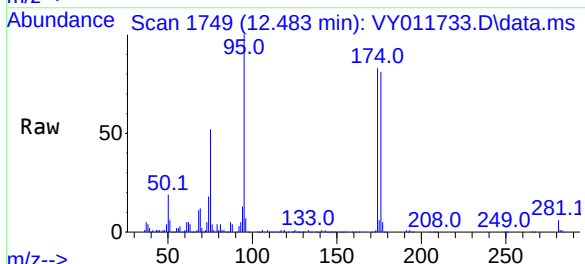
Instrument :
MSVOA_Y
ClientSampleId :
STOCK-PILE

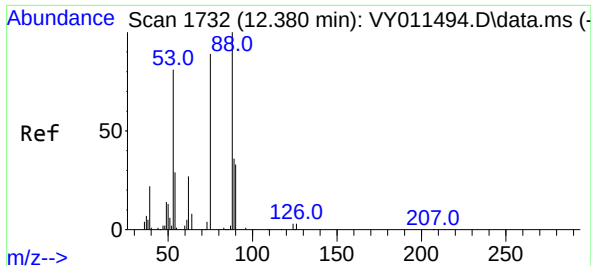
Tgt Ion: 43 Resp: 4893
Ion Ratio Lower Upper
43 100
70 0.0 28.7 43.1#
55 0.0 17.3 25.9#
61 0.0 17.0 25.6#



#76
1,2,3-Trichloropropane
Concen: 50.565 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011733.D
Acq: 07 Dec 2022 17:27

Tgt Ion: 75 Resp: 95528
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

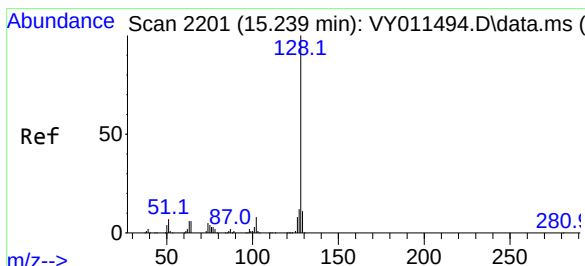
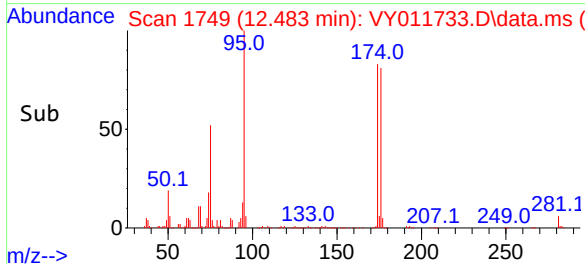
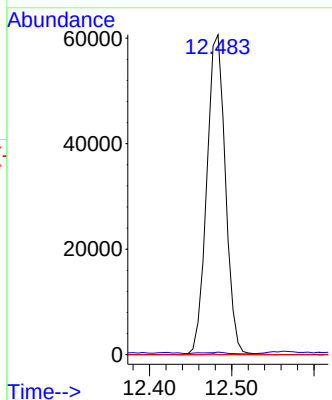
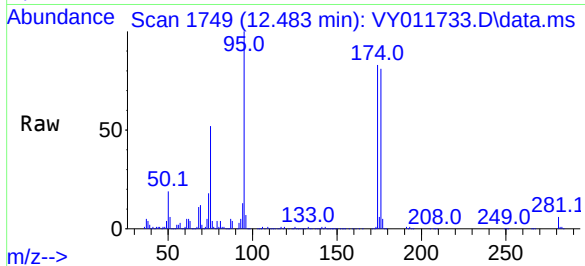




#81
trans-1,4-Dichloro-2-butene
Concen: 110.753 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY011733.D
Acq: 07 Dec 2022 17:27

Instrument :
MSVOA_Y
ClientSampleId :
STOCK-PILE

Tgt Ion: 75 Resp: 95528
Ion Ratio Lower Upper
75 100
53 0.7 85.3 127.9#
89 0.1 37.0 55.4#



#95
Naphthalene
Concen: 4.463 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY011733.D
Acq: 07 Dec 2022 17:27

Tgt Ion: 128 Resp: 2991
Ion Ratio Lower Upper
128 100
127 37.1 11.0 16.4#
129 10.3 8.4 12.6

