

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031822\
 Data File : VY007932.D
 Acq On : 19 Mar 2022 04:23
 Operator : SY/MD
 Sample : N1958-12
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C-12-11-12

Quant Time: Mar 21 03:20:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 13:55:34 2022
 Response via : Initial Calibration

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

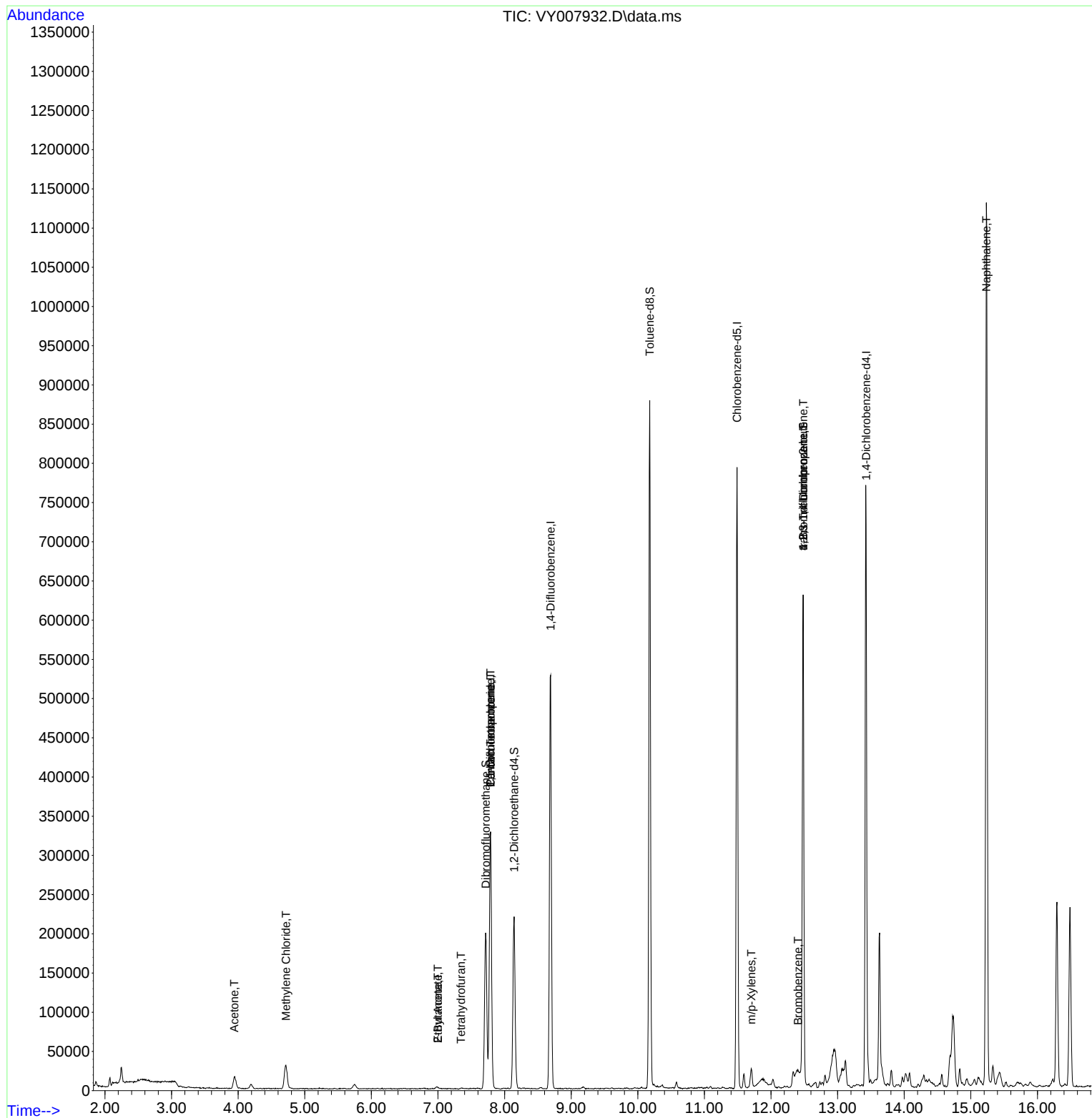
Internal Standards						
1) Pentafluorobenzene	7.789	168	245594	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	458001	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	424260	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	184353	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	160952	57.478	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.960%
35) Dibromofluoromethane	7.716	113	144236	44.842	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.680%
50) Toluene-d8	10.179	98	566765	59.465	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	118.920%
62) 4-Bromofluorobenzene	12.483	95	200460	43.424	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	86.840%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	55	Below Cal	#	43
3) Chloromethane	2.113	50	808	Below Cal	#	57
4) Vinyl Chloride	2.253	62	178	Below Cal	#	43
5) Bromomethane	2.668	94	97	Below Cal	#	1
16) Acetone	3.942	43	27743	37.346	ug/l	96
17) Carbon Disulfide	4.198	76	10285	Below Cal		96
18) Methyl Acetate	4.466	43	387	Below Cal	#	82
20) Methylene Chloride	4.716	84	22992	3.699	ug/l	92
25) 2-Butanone	6.996	43	4663	3.919	ug/l #	89
29) Tetrahydrofuran	7.344	42	1150	1.508	ug/l #	56
31) Cyclohexane	7.783	56	5641	Below Cal	#	10
36) 1,1-Dichloropropene	7.789	75	21595	4.527	ug/l #	51
37) Ethyl Acetate	6.996	43	4663	1.602	ug/l #	72
38) Carbon Tetrachloride	7.789	117	26379	5.175	ug/l #	14
39) Methylcyclohexane	9.179	83	1133	Below Cal	#	76
68) m/p-Xylenes	11.703	106	7536	1.067	ug/l	97
76) 1,2,3-Trichloropropane	12.483	75	103638	39.441	ug/l #	100
77) Bromobenzene	12.404	156	21272	5.737	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.483	75	103638	82.843	ug/l #	7
95) Naphthalene	15.233	128	909352	98.978	ug/l	98

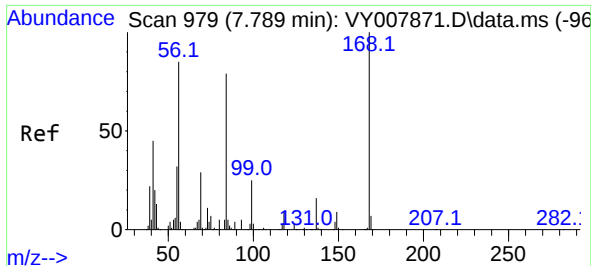
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VY007932.D
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Quant Time: Mar 21 03:20:05 2022
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Quant Title : SW846 8260
QLast Update : Thu Mar 17 13:55:34 2022
Response via : Initial Calibration

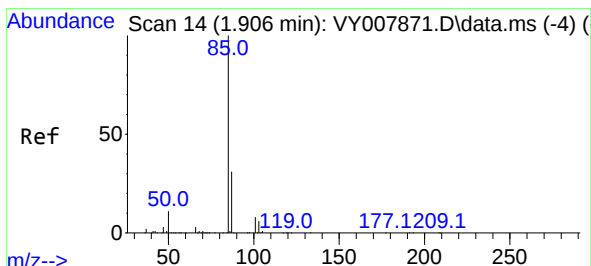
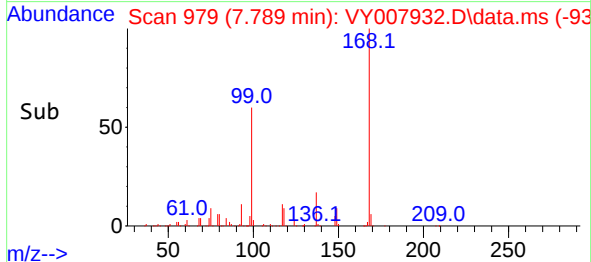
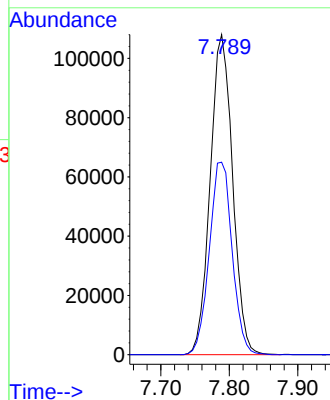
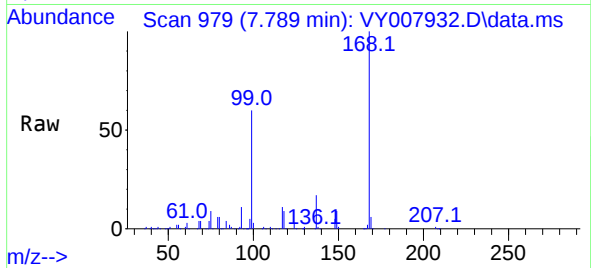




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007932.D
Acq: 19 Mar 2022 04:23

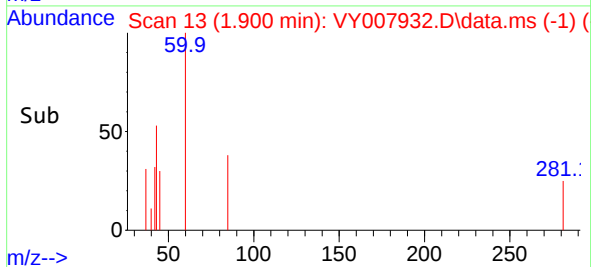
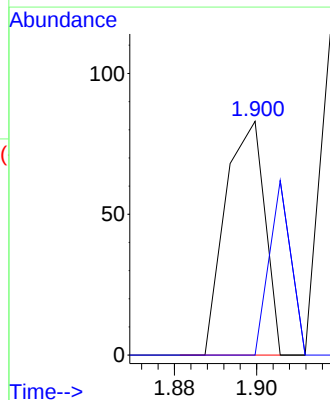
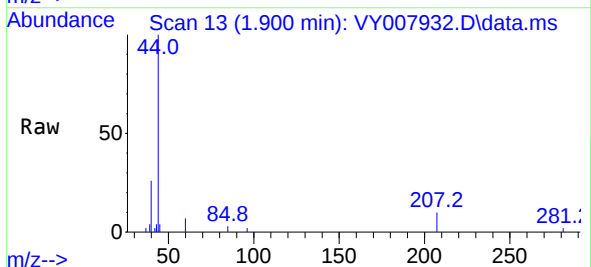
Instrument :
MSVOA_Y
ClientSampleId :
C-12-11-12

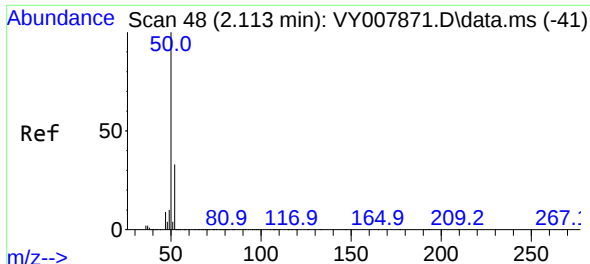
Tgt Ion:168 Resp: 245594
Ion Ratio Lower Upper
168 100
99 60.1 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY007932.D
Acq: 19 Mar 2022 04:23

Tgt Ion: 85 Resp: 55
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

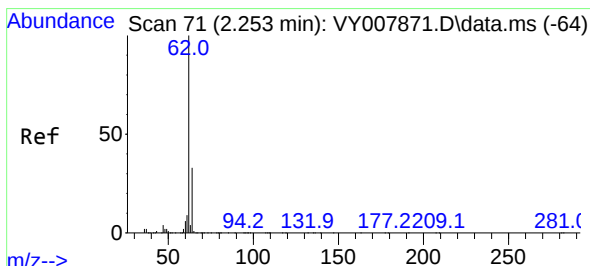
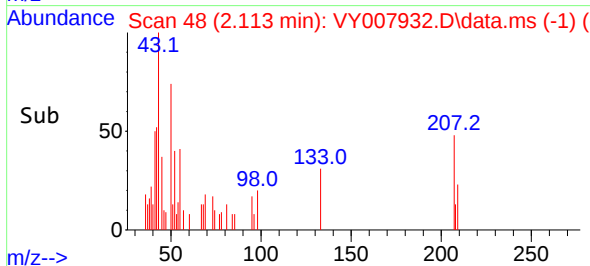
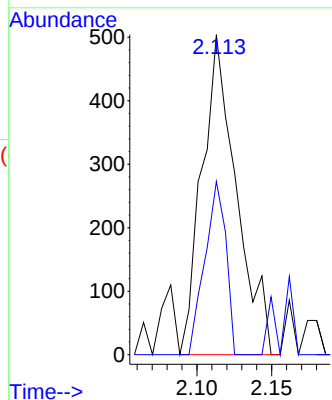
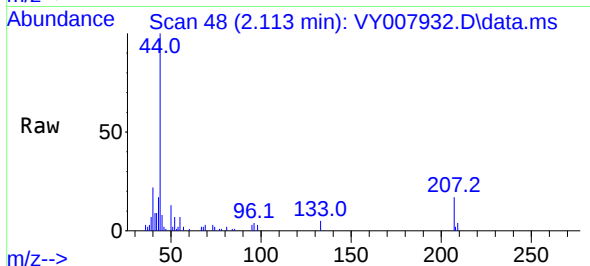




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY007932.D
Acq: 19 Mar 2022 04:23

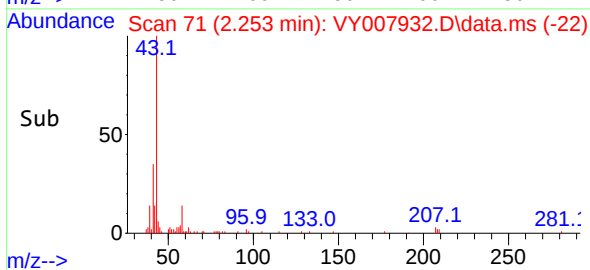
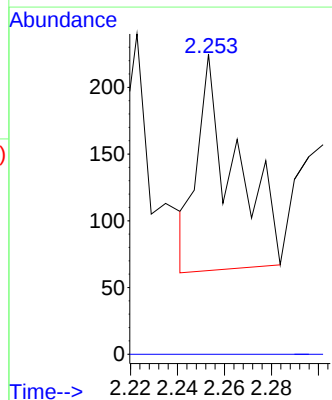
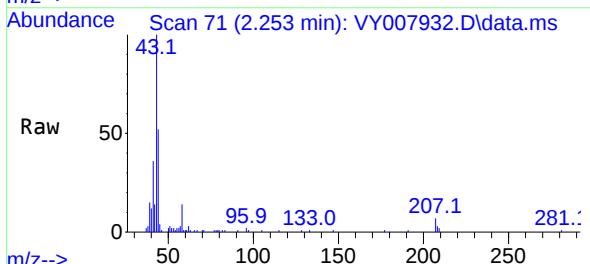
Instrument :
MSVOA_Y
ClientSampleId :
C-12-11-12

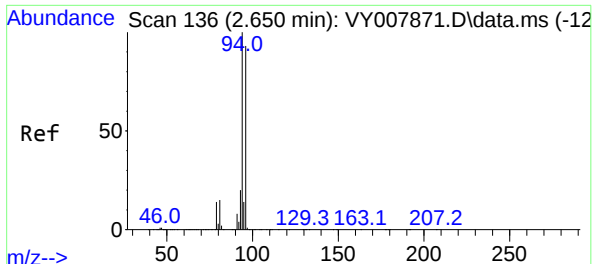
Tgt Ion: 50 Resp: 808
Ion Ratio Lower Upper
50 100
52 54.2 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.253 min Scan# 71
Delta R.T. -0.000 min
Lab File: VY007932.D
Acq: 19 Mar 2022 04:23

Tgt Ion: 62 Resp: 178
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

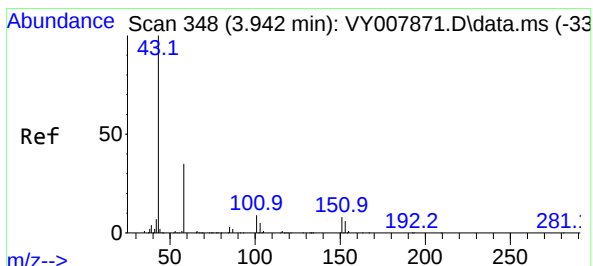
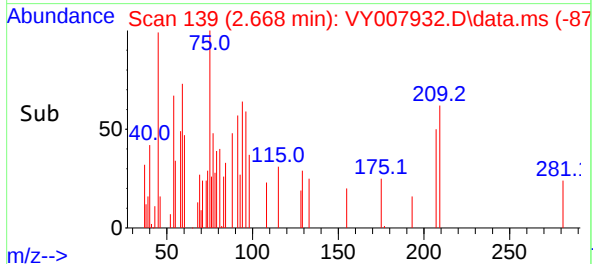
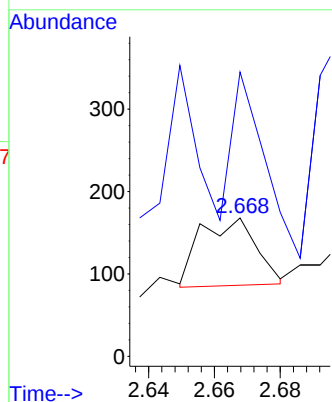
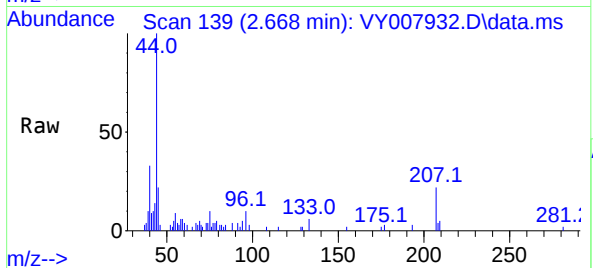




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY007932.D
Acq: 19 Mar 2022 04:23

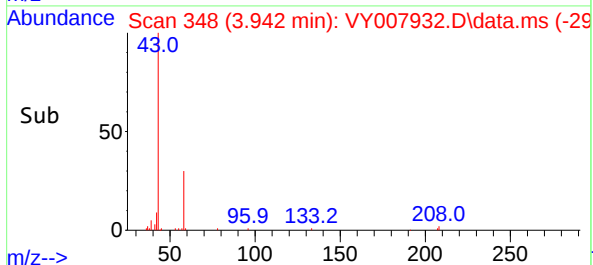
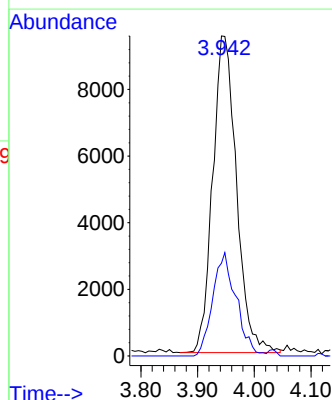
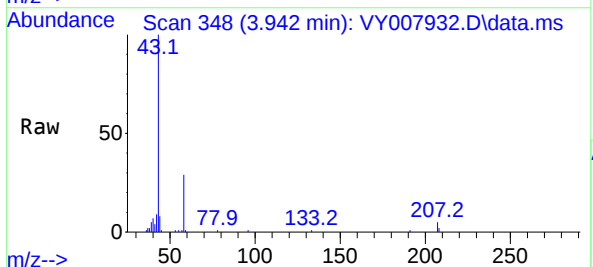
Instrument :
MSVOA_Y
ClientSampleId :
C-12-11-12

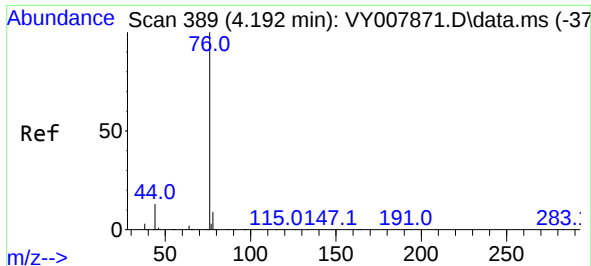
Tgt Ion: 94 Resp: 97
Ion Ratio Lower Upper
94 100
96 212.5 73.5 110.3#



#16
Acetone
Concen: 37.346 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY007932.D
Acq: 19 Mar 2022 04:23

Tgt Ion: 43 Resp: 27743
Ion Ratio Lower Upper
43 100
58 29.3 22.0 33.0

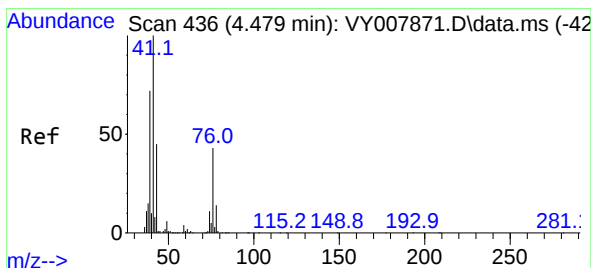
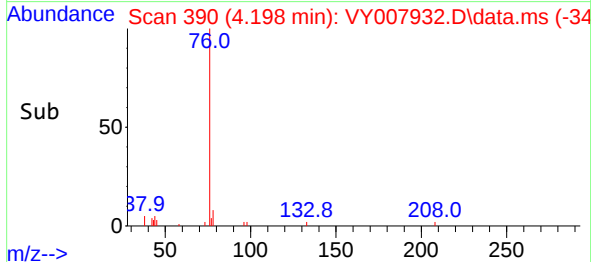
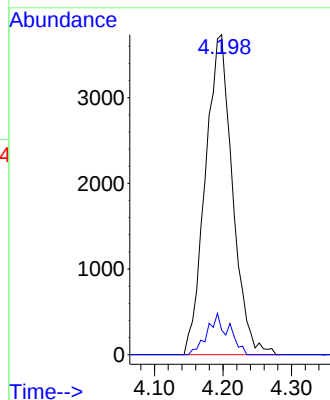
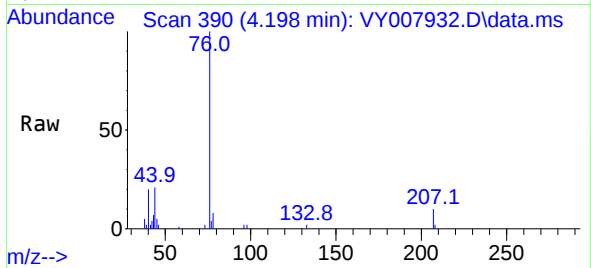




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.198 min Scan# 390
Delta R.T. 0.006 min
Lab File: VY007932.D
Acq: 19 Mar 2022 04:23

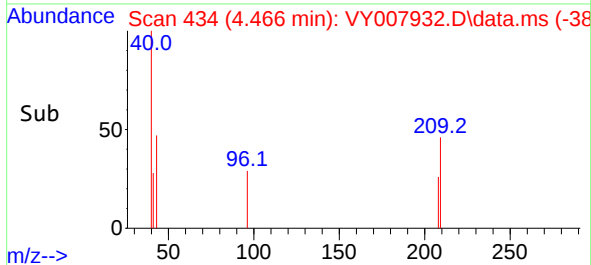
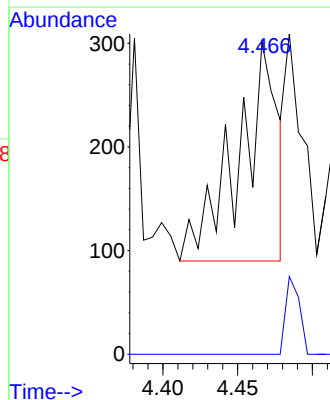
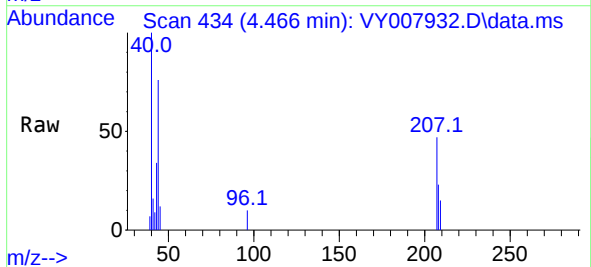
Instrument :
MSVOA_Y
ClientSampleId :
C-12-11-12

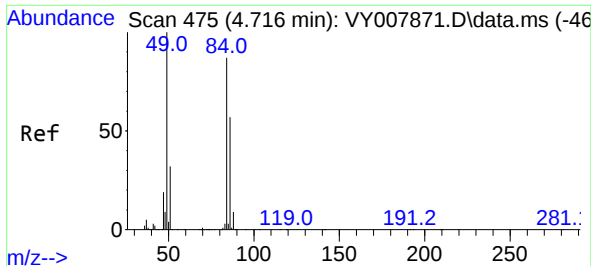
Tgt Ion: 76 Resp: 10285
Ion Ratio Lower Upper
76 100
78 7.6 7.4 11.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.466 min Scan# 434
Delta R.T. -0.006 min
Lab File: VY007932.D
Acq: 19 Mar 2022 04:23

Tgt Ion: 43 Resp: 387
Ion Ratio Lower Upper
43 100
74 12.4 16.6 24.8#



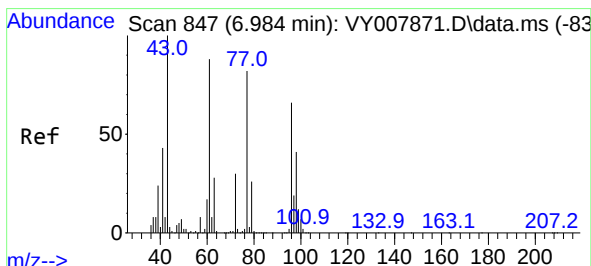
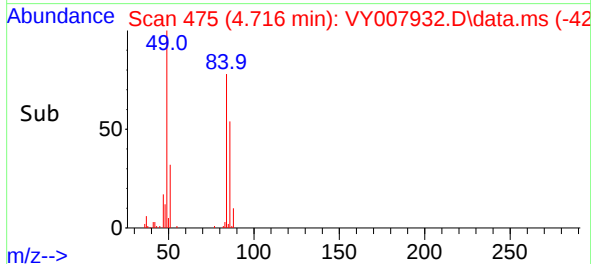
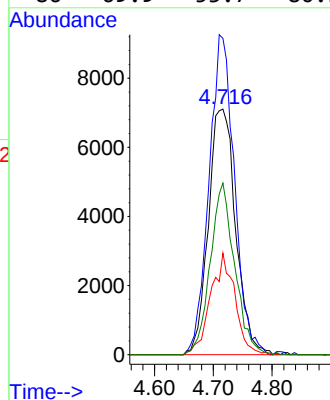
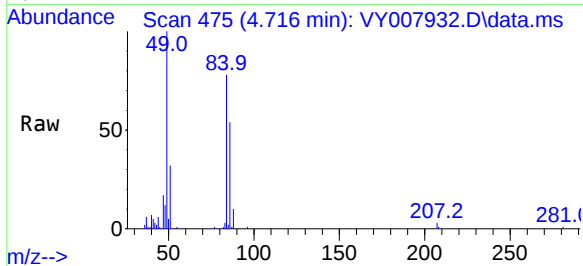


#20
Methylene Chloride
Concen: 3.699 ug/l
RT: 4.716 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY007932.D
Acq: 19 Mar 2022 04:23

Instrument :
MSVOA_Y
ClientSampleId :
C-12-11-12

Tgt Ion: 84 Resp: 22992

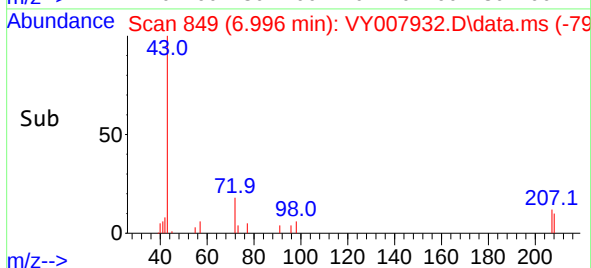
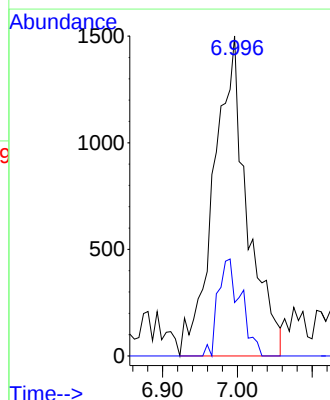
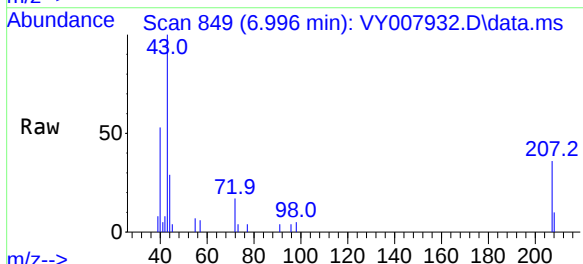
Ion	Ratio	Lower	Upper
84	100		
49	128.8	114.4	171.6
51	41.4	35.3	52.9
86	69.9	53.7	80.5

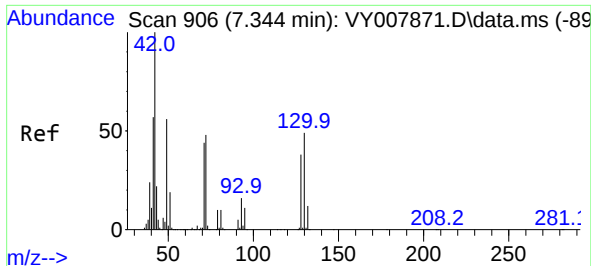


#25
2-Butanone
Concen: 3.919 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.012 min
Lab File: VY007932.D
Acq: 19 Mar 2022 04:23

Tgt Ion: 43 Resp: 4663

Ion	Ratio	Lower	Upper
43	100		
72	16.7	17.7	26.5#

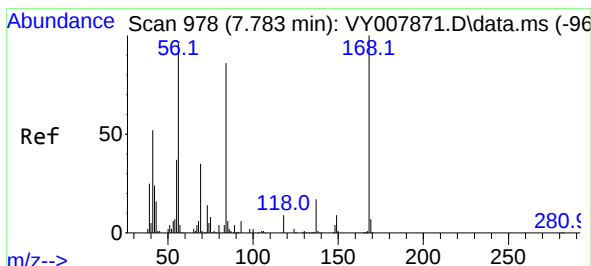
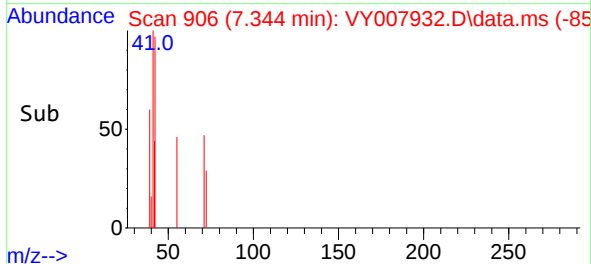
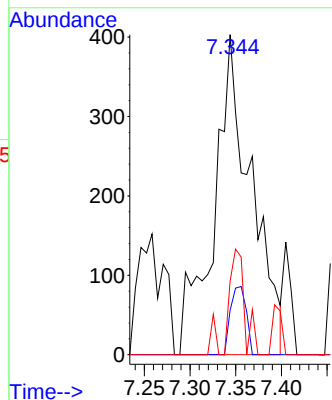
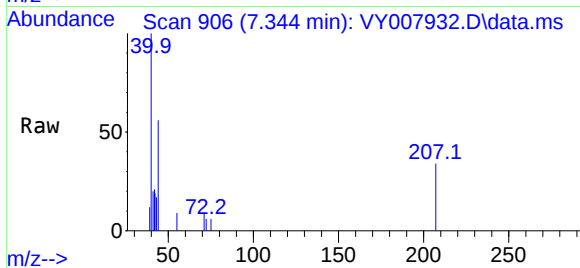




#29
Tetrahydrofuran
Concen: 1.508 ug/l
RT: 7.344 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY007932.D
Acq: 19 Mar 2022 04:23

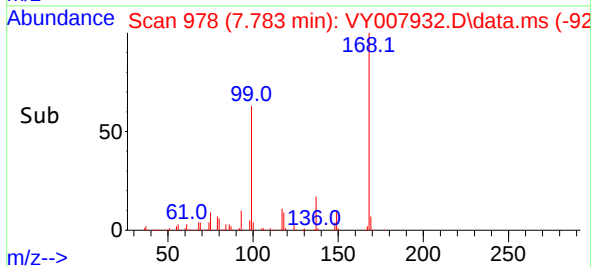
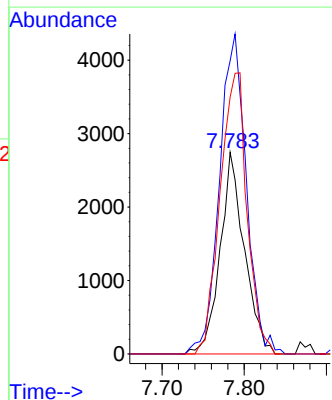
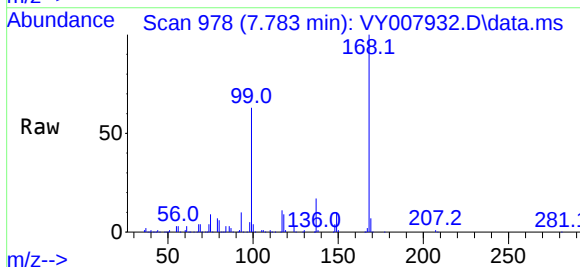
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MSVOA_Y
ClientSampleId :
C-12-11-12

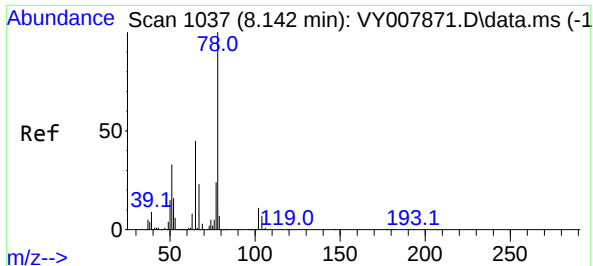
Tgt Ion: 42 Resp: 1150
Ion Ratio Lower Upper
42 100
72 8.9 30.3 45.5#
71 12.9 29.0 43.4#



#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY007932.D
Acq: 19 Mar 2022 04:23

Tgt Ion: 56 Resp: 5641
Ion Ratio Lower Upper
56 100
69 145.4 26.7 40.1#
84 127.4 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 57.478 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VY007932.D

Acq: 19 Mar 2022 04:23

Instrument :

MSVOA_Y

ClientSampleId :

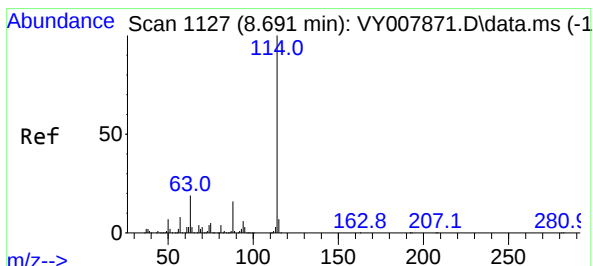
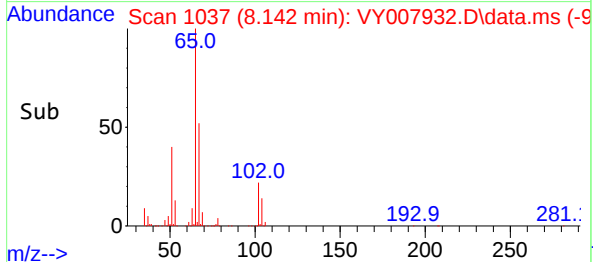
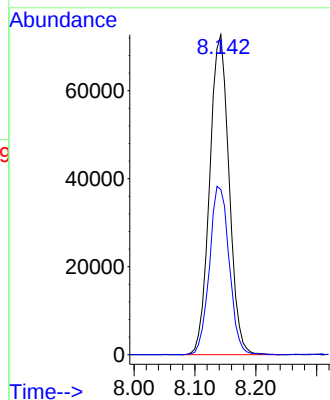
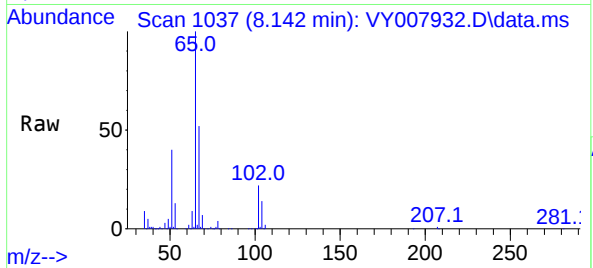
C-12-11-12

Tgt Ion: 65 Resp: 160952

Ion Ratio Lower Upper

65 100

67 53.5 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: VY007932.D

Acq: 19 Mar 2022 04:23

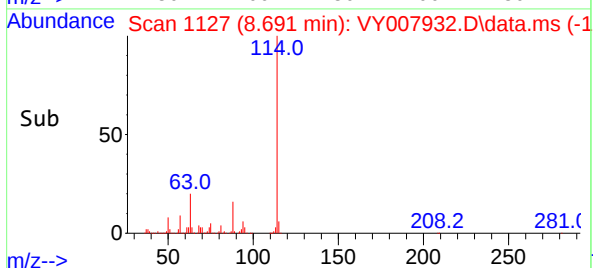
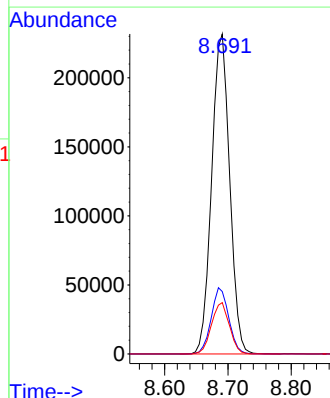
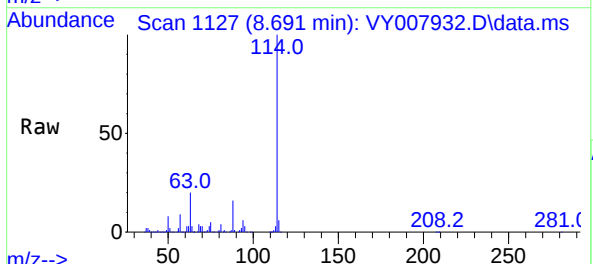
Tgt Ion: 114 Resp: 458001

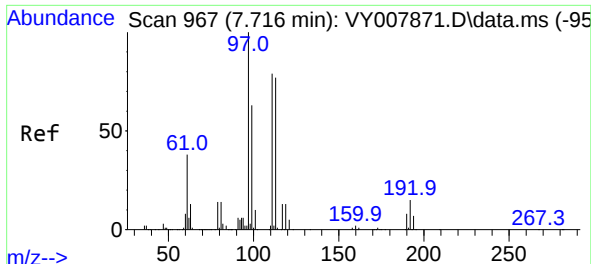
Ion Ratio Lower Upper

114 100

63 19.5 0.0 43.2

88 16.0 0.0 31.8

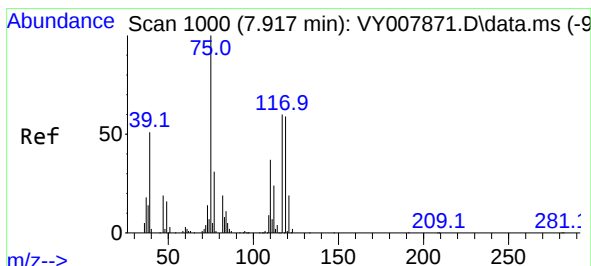
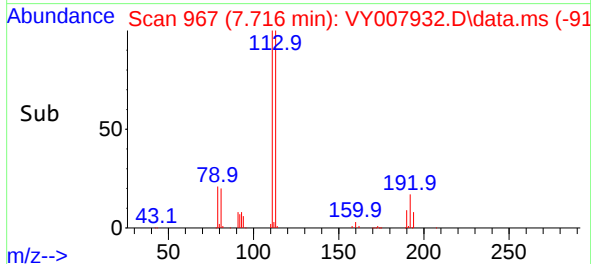
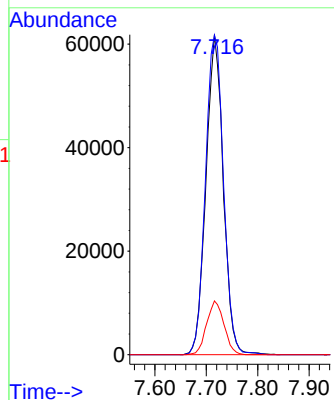
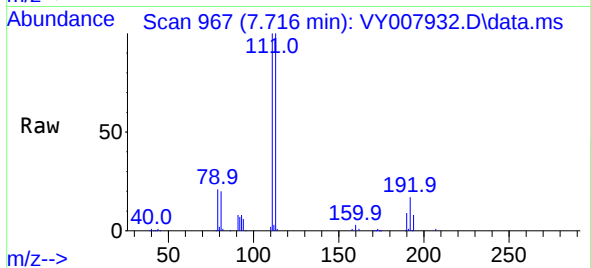




#35
Dibromofluoromethane
Concen: 44.842 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY007932.D
Acq: 19 Mar 2022 04:23

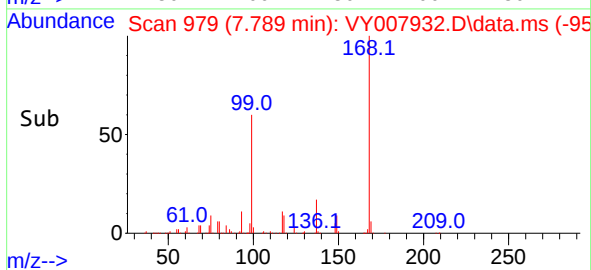
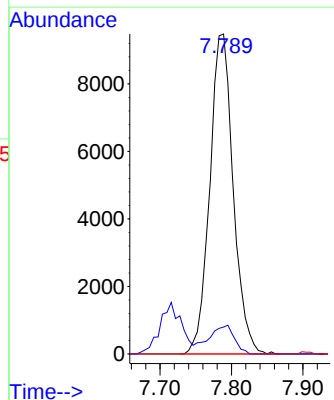
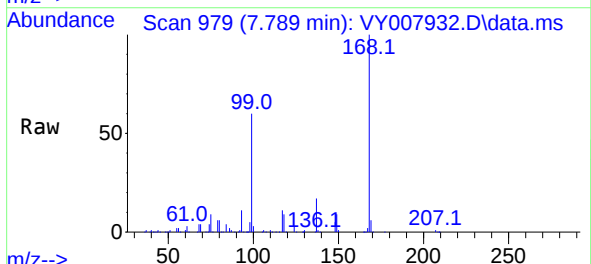
Instrument :
MSVOA_Y
ClientSampleId :
C-12-11-12

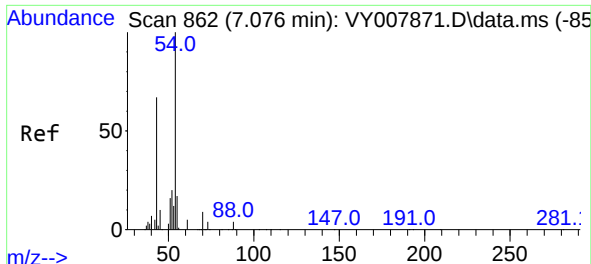
Tgt Ion:113 Resp: 144236
Ion Ratio Lower Upper
113 100
111 104.3 82.6 124.0
192 16.9 17.6 26.4#



#36
1,1-Dichloropropene
Concen: 4.527 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY007932.D
Acq: 19 Mar 2022 04:23

Tgt Ion: 75 Resp: 21595
Ion Ratio Lower Upper
75 100
110 9.3 17.1 51.2#
77 0.0 24.4 36.6#

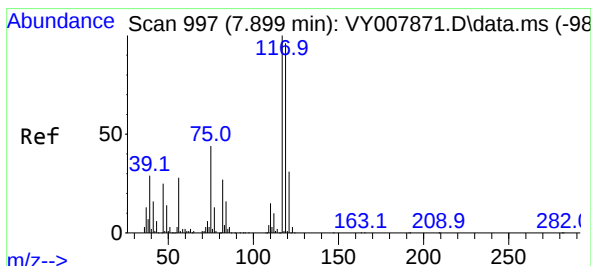
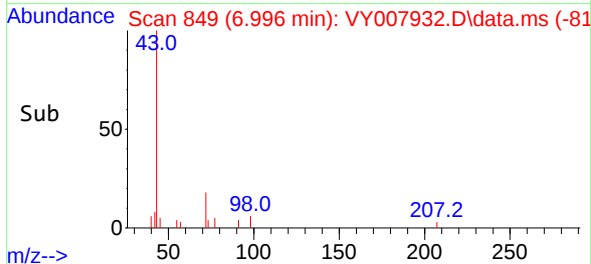
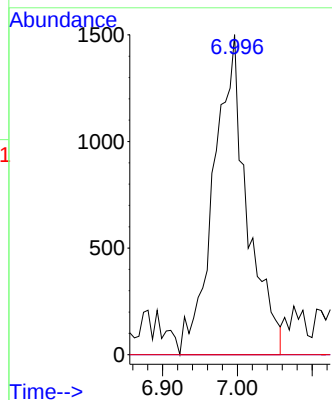
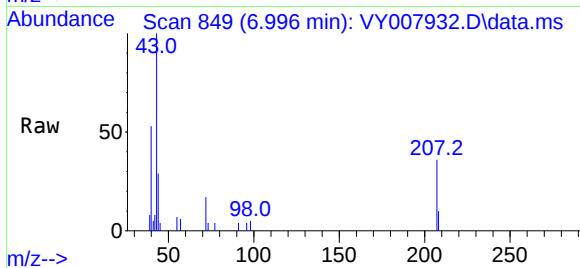




#37
Ethyl Acetate
Concen: 1.602 ug/l
RT: 6.996 min Scan# 84
Delta R.T. -0.073 min
Lab File: VY007932.D
Acq: 19 Mar 2022 04:23

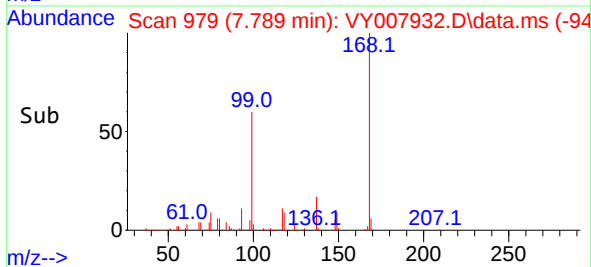
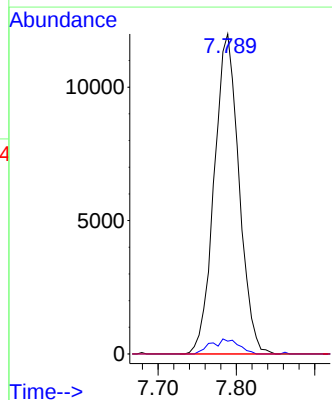
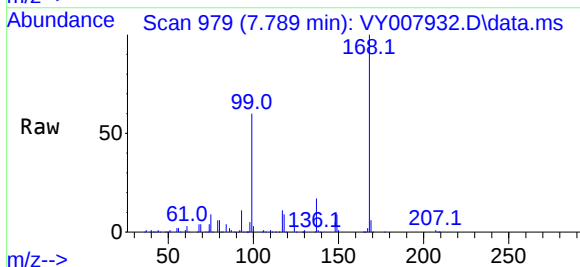
Instrument :
MSVOA_Y
ClientSampleId :
C-12-11-12

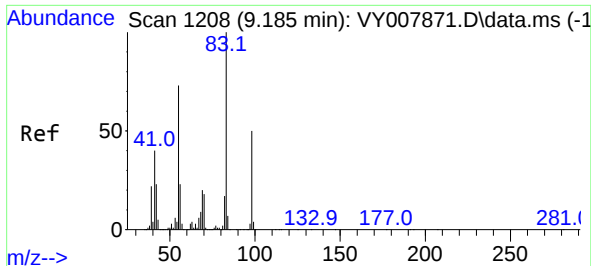
Tgt Ion: 43 Resp: 4663
Ion Ratio Lower Upper
43 100
61 0.0 9.7 14.5#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 5.175 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY007932.D
Acq: 19 Mar 2022 04:23

Tgt Ion: 117 Resp: 26379
Ion Ratio Lower Upper
117 100
119 4.0 77.9 116.9#
121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: Below Cal

RT: 9.179 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY007932.D

Acq: 19 Mar 2022 04:23

Instrument :

MSVOA_Y

ClientSampleId :

C-12-11-12

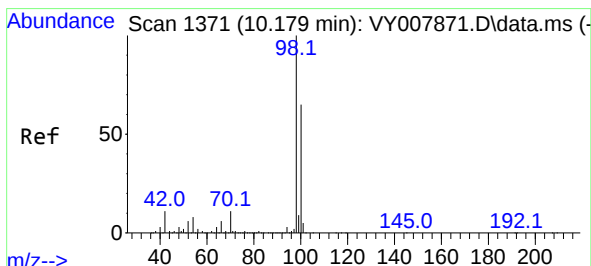
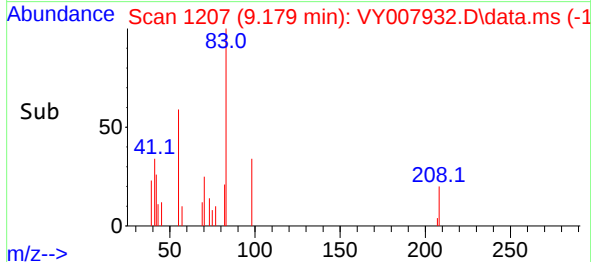
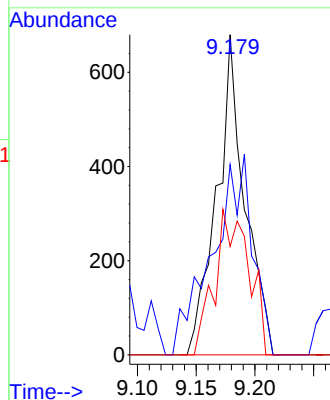
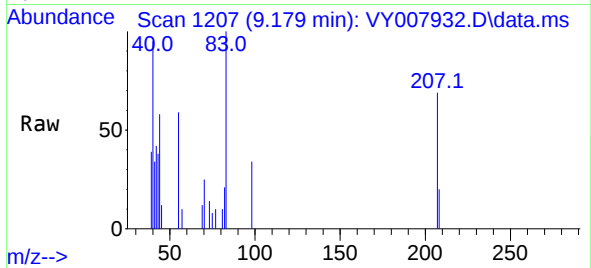
Tgt Ion: 83 Resp: 1133

Ion Ratio Lower Upper

83 100

55 59.4 66.5 99.7#

98 33.8 37.9 56.9#



#50

Toluene-d8

Concen: 59.465 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY007932.D

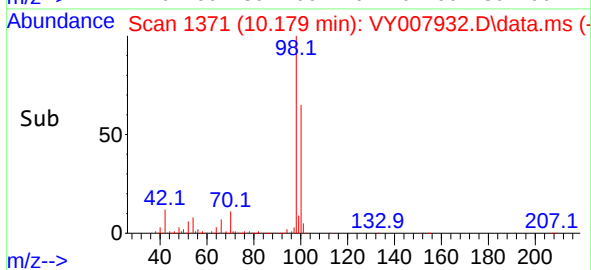
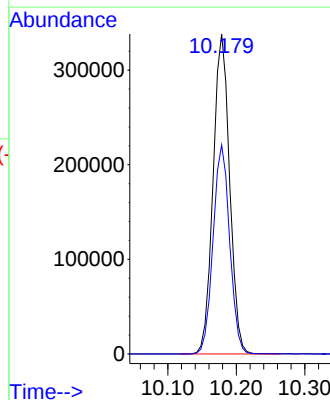
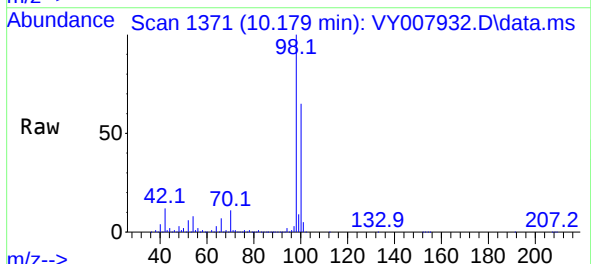
Acq: 19 Mar 2022 04:23

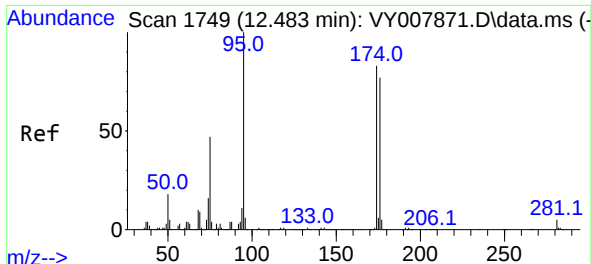
Tgt Ion: 98 Resp: 566765

Ion Ratio Lower Upper

98 100

100 65.5 50.2 75.2

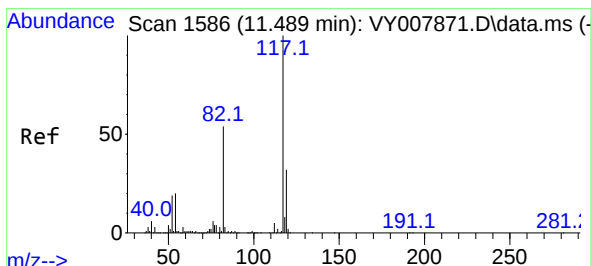
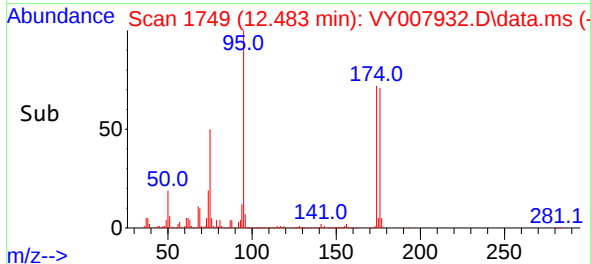
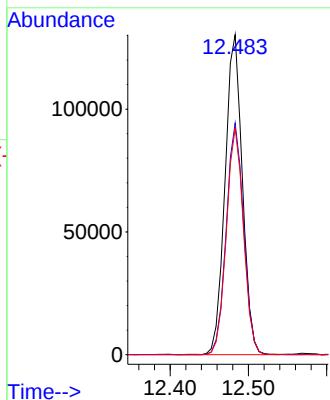
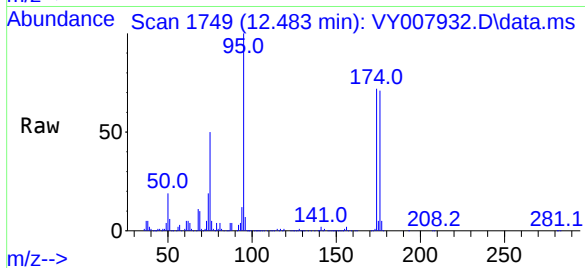




#62
4-Bromofluorobenzene
Concen: 43.424 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007932.D
Acq: 19 Mar 2022 04:23

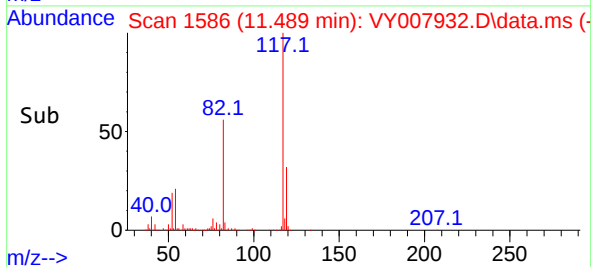
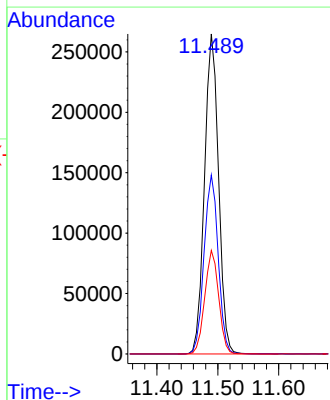
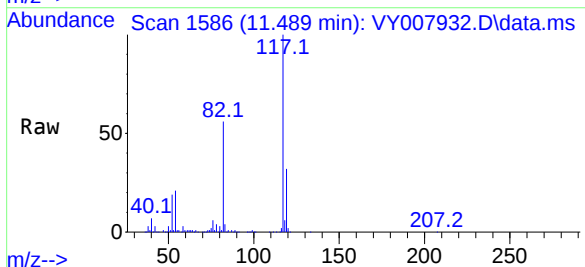
Instrument :
MSVOA_Y
ClientSampleId :
C-12-11-12

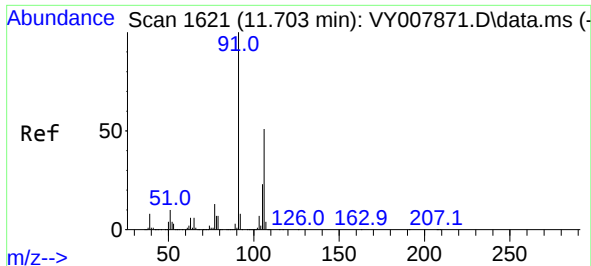
Tgt Ion: 95 Resp: 200460
Ion Ratio Lower Upper
95 100
174 72.4 0.0 177.0
176 69.7 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY007932.D
Acq: 19 Mar 2022 04:23

Tgt Ion: 117 Resp: 424260
Ion Ratio Lower Upper
117 100
82 55.9 43.0 64.4
119 32.4 25.4 38.0

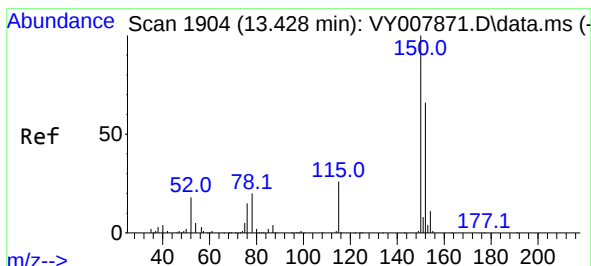
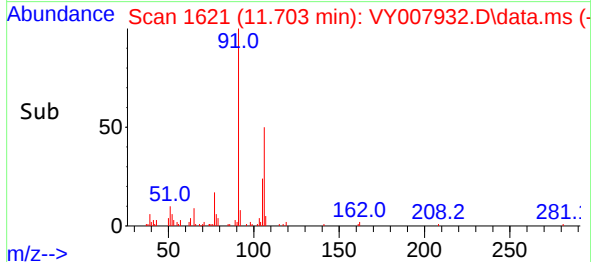
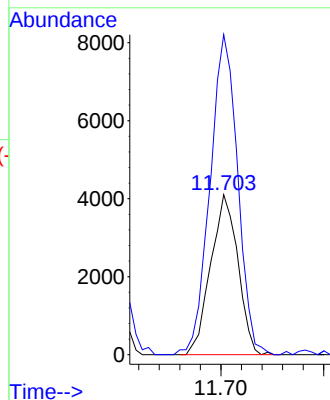
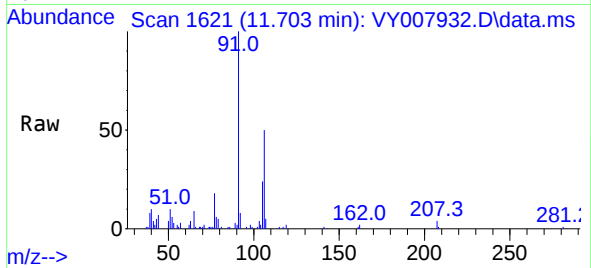




#68
m/p-Xylenes
Concen: 1.067 ug/l
RT: 11.703 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007932.D
Acq: 19 Mar 2022 04:23

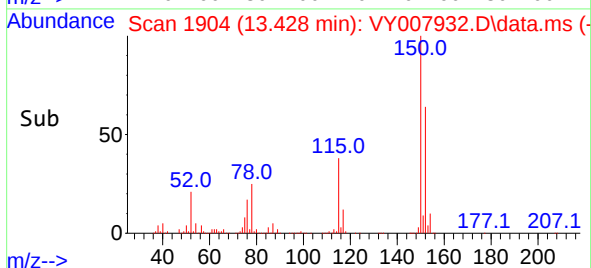
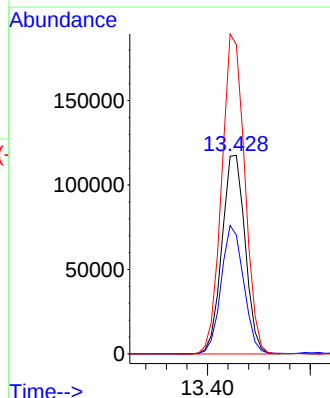
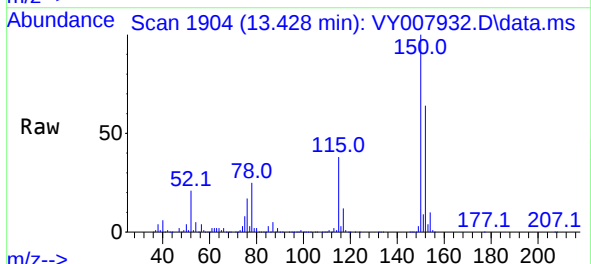
Instrument :
MSVOA_Y
ClientSampleId :
C-12-11-12

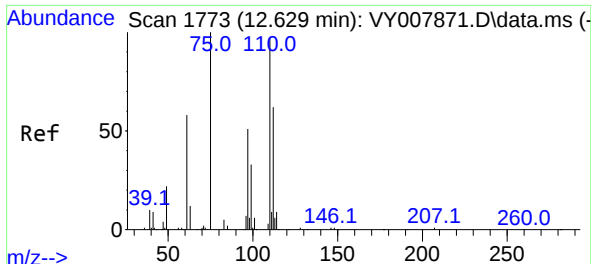
Tgt Ion:106 Resp: 7536
Ion Ratio Lower Upper
106 100
91 203.1 166.6 249.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY007932.D
Acq: 19 Mar 2022 04:23

Tgt Ion:152 Resp: 184353
Ion Ratio Lower Upper
152 100
115 62.9 28.2 84.7
150 159.7 0.0 347.6

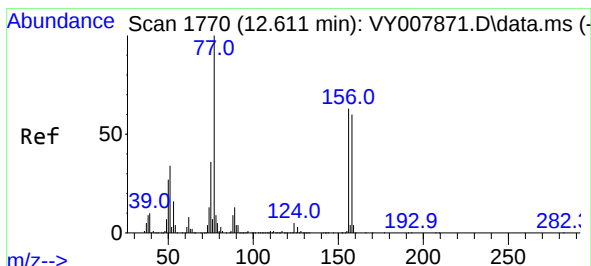
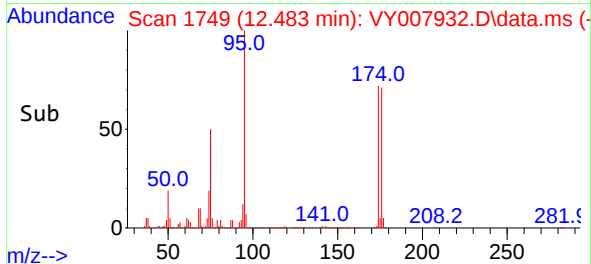
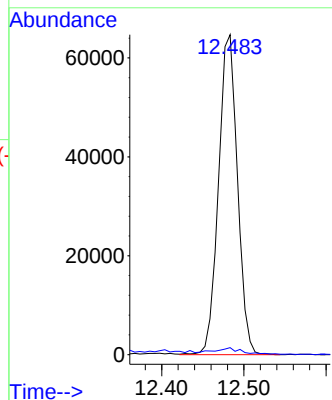
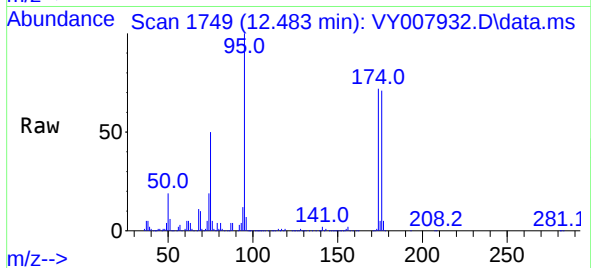




#76
1,2,3-Trichloropropane
Concen: 39.441 ug/l
RT: 12.483 min Scan# 1736
Delta R.T. -0.153 min
Lab File: VY007932.D
Acq: 19 Mar 2022 04:23

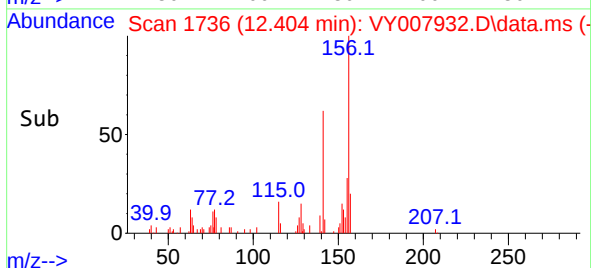
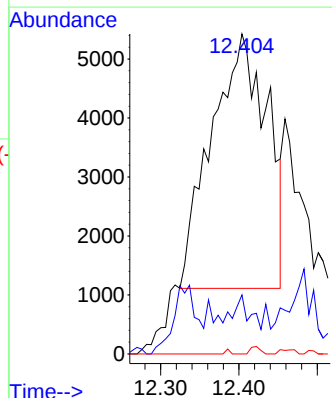
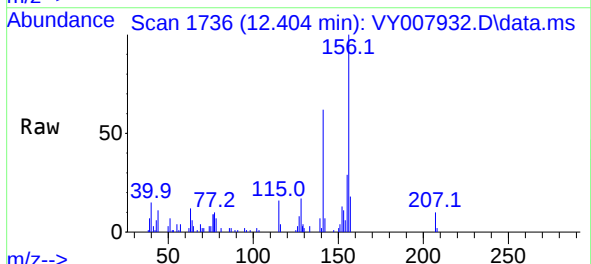
Instrument :
MSVOA_Y
ClientSampleId :
C-12-11-12

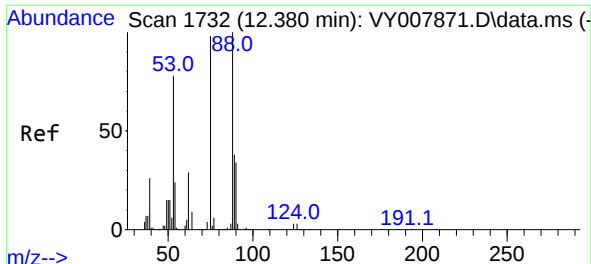
Tgt Ion: 75 Resp: 103638
Ion Ratio Lower Upper
75 100
77 3.5 0.0 0.0#



#77
Bromobenzene
Concen: 5.737 ug/l
RT: 12.404 min Scan# 1736
Delta R.T. -0.208 min
Lab File: VY007932.D
Acq: 19 Mar 2022 04:23

Tgt Ion: 156 Resp: 21272
Ion Ratio Lower Upper
156 100
77 1.2 95.5 286.4#
158 0.1 48.0 144.0#

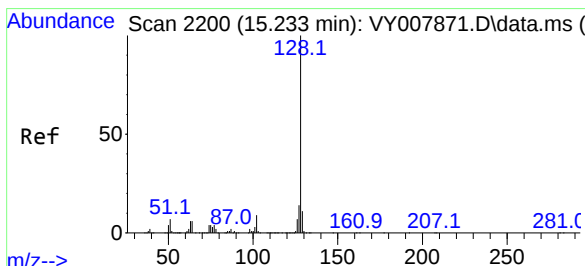
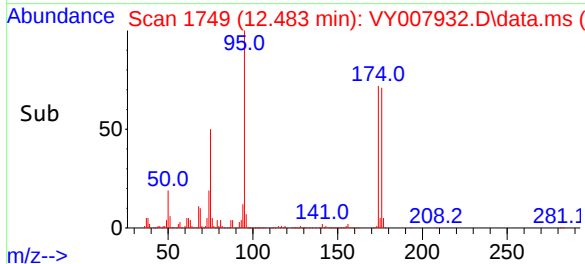
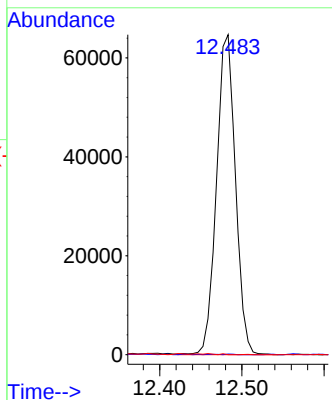
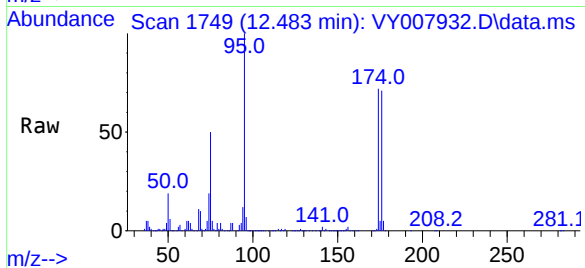




#81
trans-1,4-Dichloro-2-butene
Concen: 82.843 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY007932.D
Acq: 19 Mar 2022 04:23

Instrument :
MSVOA_Y
ClientSampleId :
C-12-11-12

Tgt Ion: 75 Resp: 103638
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 98.978 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY007932.D
Acq: 19 Mar 2022 04:23

Tgt Ion:128 Resp: 909352
Ion Ratio Lower Upper
128 100
127 12.9 11.0 16.4
129 10.9 8.4 12.6

