

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031822\
 Data File : VY007937.D
 Acq On : 19 Mar 2022 06:20
 Operator : SY/MD
 Sample : N1953-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 124035

Quant Time: Mar 21 03:21:24 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)

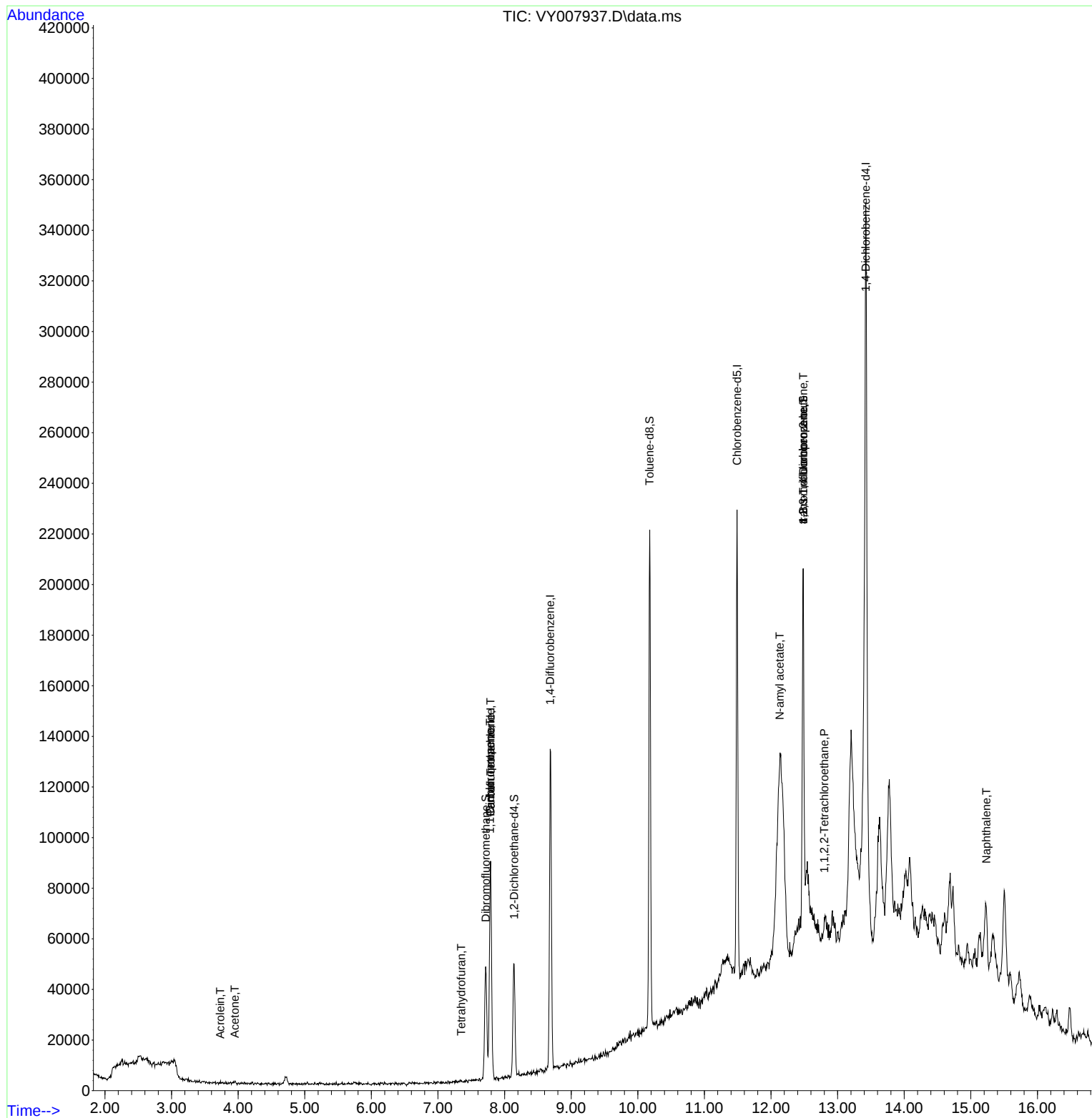
Internal Standards						
1) Pentafluorobenzene	7.789	168	63718	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	110567	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	95263	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	45686	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	33753	46.459	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.920%
35) Dibromofluoromethane	7.715	113	32511	41.868	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	83.740%
50) Toluene-d8	10.178	98	131462	56.882	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	113.760%
62) 4-Bromofluorobenzene	12.483	95	46548	41.768	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	83.540%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.149	85	52	Below Cal	#	43
3) Chloromethane	2.113	50	644	Below Cal	#	46
4) Vinyl Chloride	2.253	62	314	Below Cal	#	43
5) Bromomethane	2.655	94	298	Below Cal	#	4
13) Acrolein	3.728	56	128	2.511	ug/l #	36
16) Acetone	3.948	43	1541	7.996	ug/l #	85
17) Carbon Disulfide	4.198	76	91	Below Cal	#	75
18) Methyl Acetate	4.466	43	50	Below Cal	#	56
20) Methylene Chloride	4.728	84	2327	Below Cal	#	54
29) Tetrahydrofuran	7.350	42	410	2.073	ug/l #	53
31) Cyclohexane	7.789	56	1545	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	5608	4.869	ug/l #	56
38) Carbon Tetrachloride	7.789	117	6957	5.653	ug/l #	16
39) Methylcyclohexane	9.154	83	86	Below Cal	#	16
74) N-amyl acetate	12.129	43	6239	5.259	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.800	83	1333	1.540	ug/l	71
76) 1,2,3-Trichloropropane	12.483	75	22424	34.436	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	22424	72.330	ug/l #	10
95) Naphthalene	15.232	128	12508	5.494	ug/l #	94

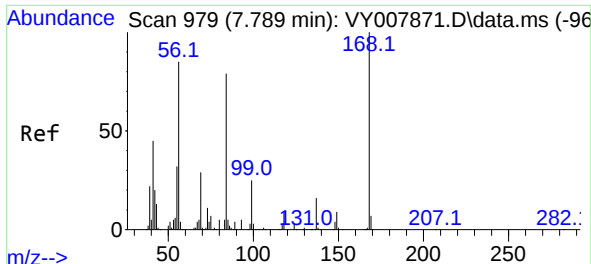
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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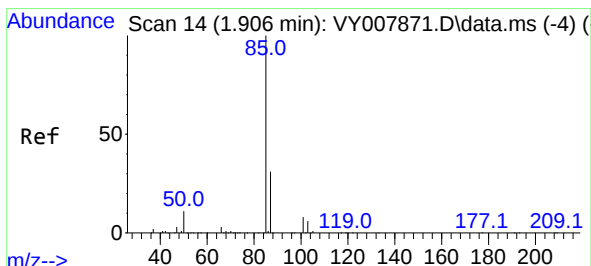
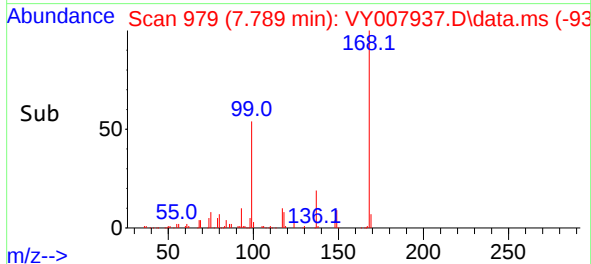
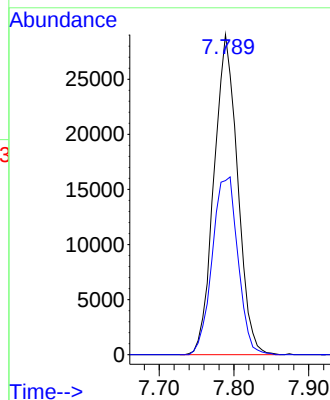
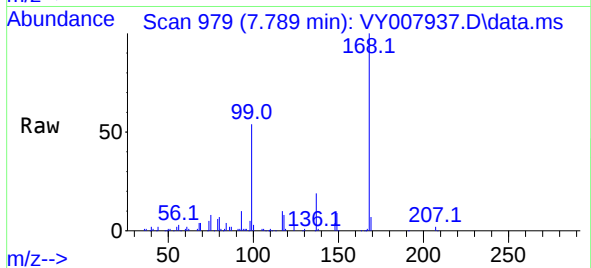




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007937.D
Acq: 19 Mar 2022 06:20

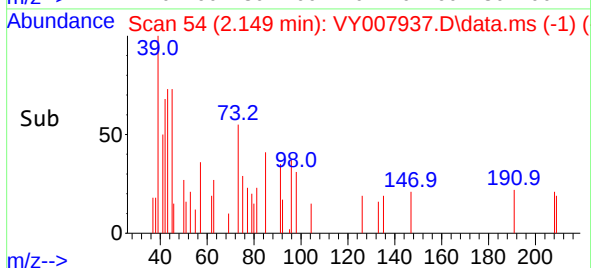
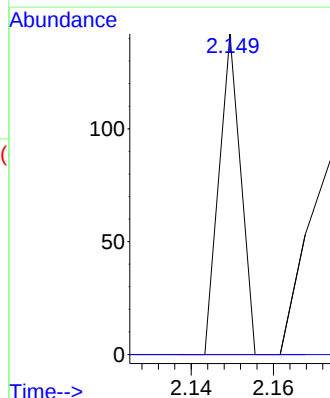
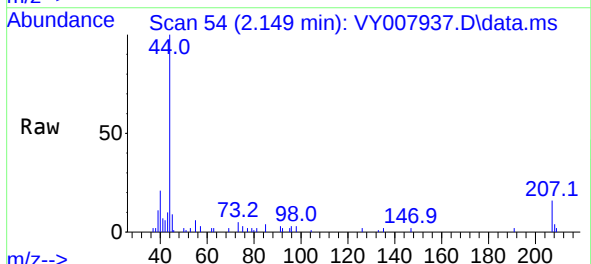
Instrument :
MSVOA_Y
ClientSampleId :
124035

Tgt Ion:168 Resp: 63718
Ion Ratio Lower Upper
168 100
99 54.4 46.9 70.3

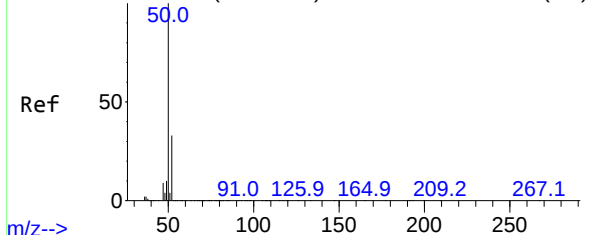


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 2.149 min Scan# 54
Delta R.T. 0.243 min
Lab File: VY007937.D
Acq: 19 Mar 2022 06:20

Tgt Ion: 85 Resp: 52
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#



Abundance Scan 48 (2.113 min): VY007871.D\data.ms (-41)



#3

Chloromethane

Concen: Below Cal

RT: 2.113 min Scan# 41

Delta R.T. -0.000 min

Lab File: VY007937.D

Acq: 19 Mar 2022 06:20

Instrument :

MSVOA_Y

ClientSampleId :

124035

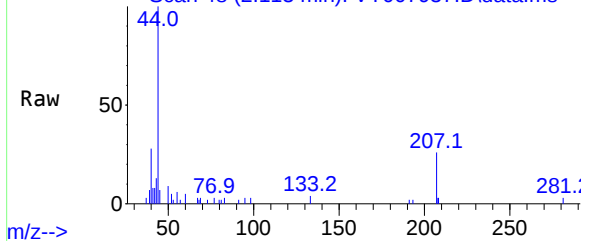
Tgt Ion: 50 Resp: 644

Ion Ratio Lower Upper

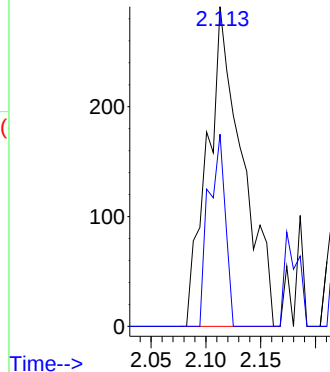
50 100

52 60.1 24.6 37.0#

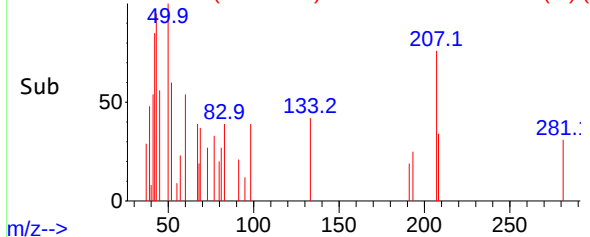
Abundance Scan 48 (2.113 min): VY007937.D\data.ms



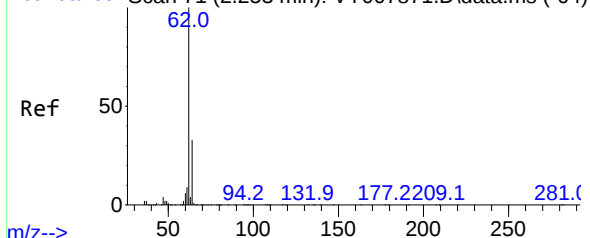
Abundance



Abundance Scan 48 (2.113 min): VY007937.D\data.ms (-1)



Abundance Scan 71 (2.253 min): VY007871.D\data.ms (-64)



#4

Vinyl Chloride

Concen: Below Cal

RT: 2.253 min Scan# 71

Delta R.T. -0.000 min

Lab File: VY007937.D

Acq: 19 Mar 2022 06:20

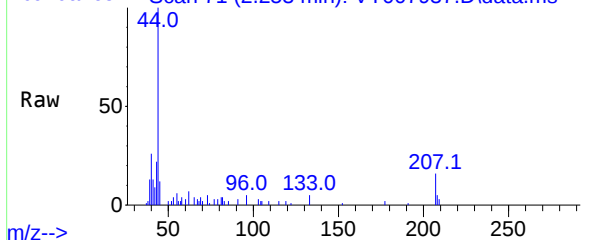
Tgt Ion: 62 Resp: 314

Ion Ratio Lower Upper

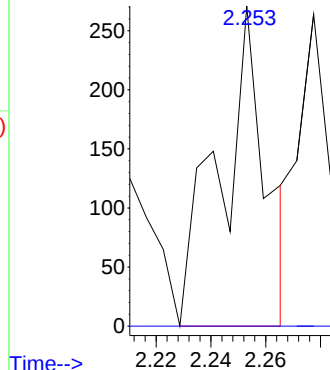
62 100

64 0.0 25.0 37.6#

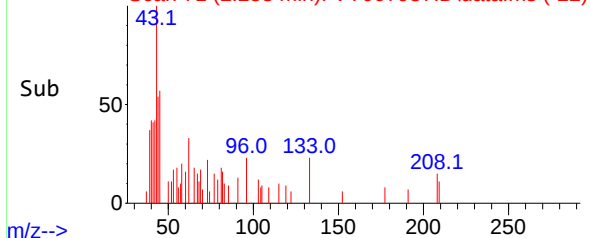
Abundance Scan 71 (2.253 min): VY007937.D\data.ms

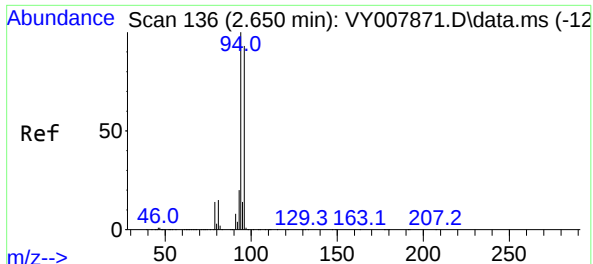


Abundance



Abundance Scan 71 (2.253 min): VY007937.D\data.ms (-22)

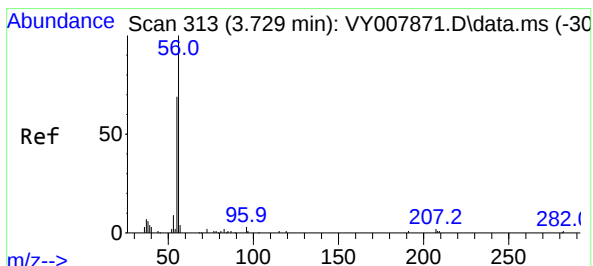
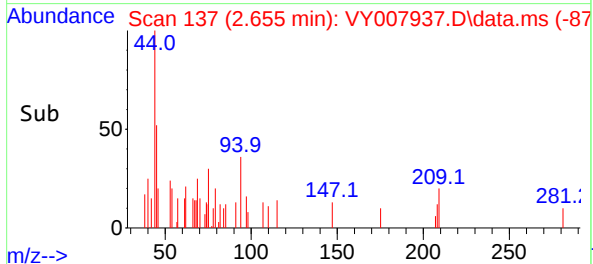
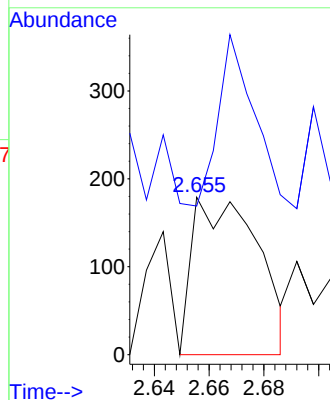
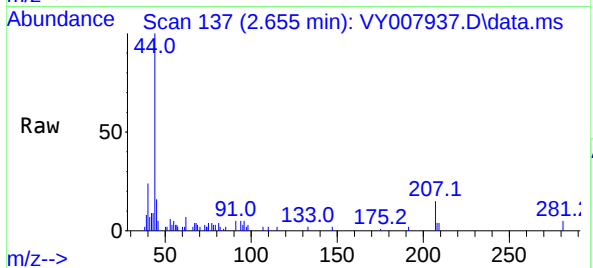




#5
Bromomethane
Concen: Below Cal
RT: 2.655 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY007937.D
Acq: 19 Mar 2022 06:20

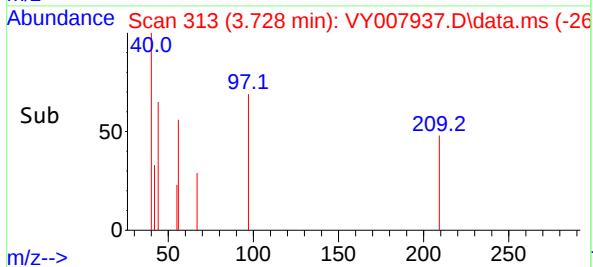
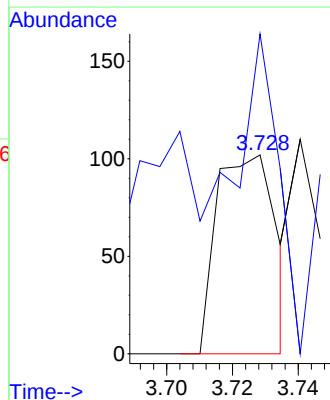
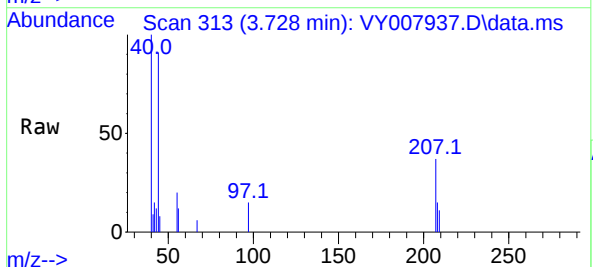
Instrument :
MSVOA_Y
ClientSampleId :
124035

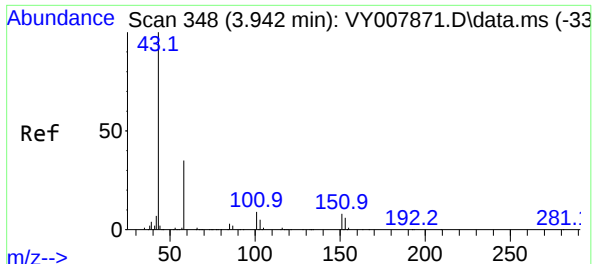
Tgt Ion: 94 Resp: 298
Ion Ratio Lower Upper
94 100
96 0.0 73.5 110.3#



#13
Acrolein
Concen: 2.511 ug/l
RT: 3.728 min Scan# 313
Delta R.T. -0.000 min
Lab File: VY007937.D
Acq: 19 Mar 2022 06:20

Tgt Ion: 56 Resp: 128
Ion Ratio Lower Upper
56 100
55 125.0 57.6 86.4#





#16

Acetone

Concen: 7.996 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY007937.D

Acq: 19 Mar 2022 06:20

Instrument :

MSVOA_Y

ClientSampleId :

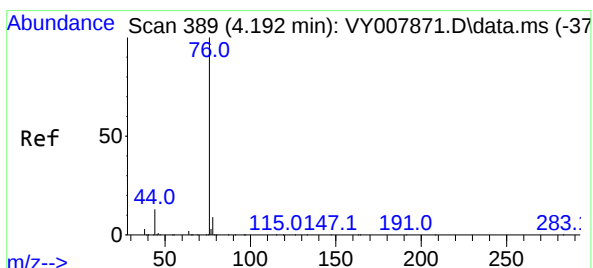
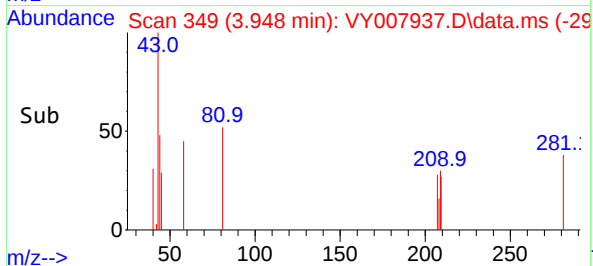
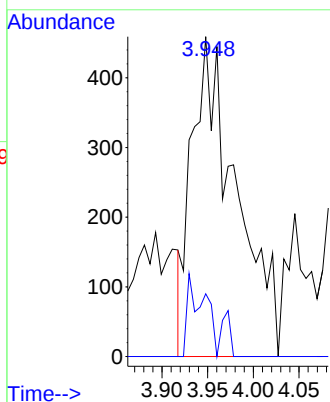
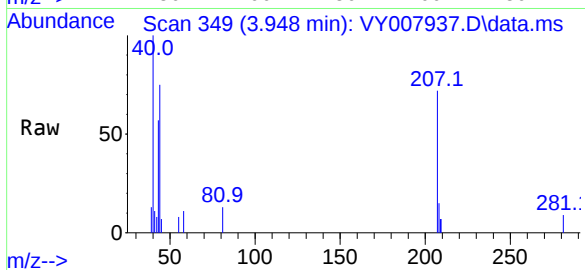
124035

Tgt Ion: 43 Resp: 1541

Ion Ratio Lower Upper

43 100

58 19.6 22.0 33.0#



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.198 min Scan# 390

Delta R.T. 0.006 min

Lab File: VY007937.D

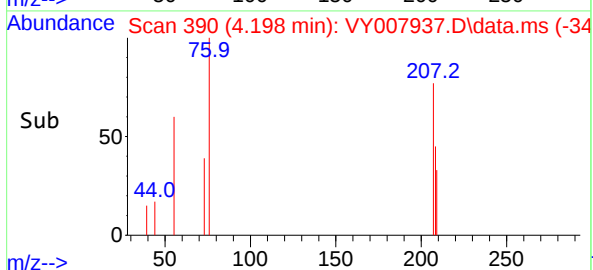
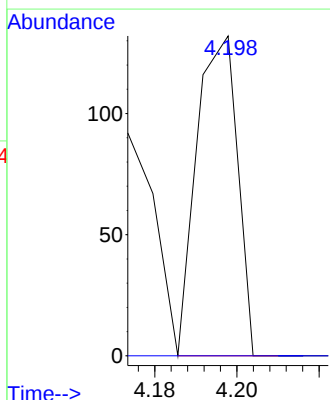
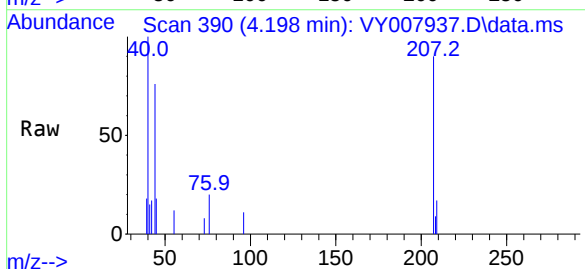
Acq: 19 Mar 2022 06:20

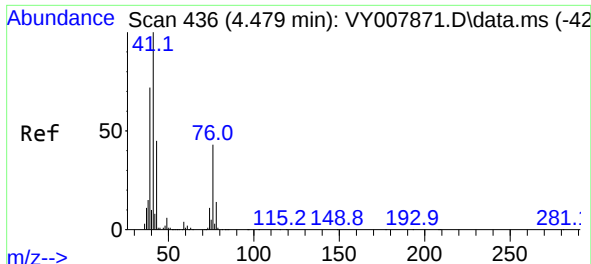
Tgt Ion: 76 Resp: 91

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#

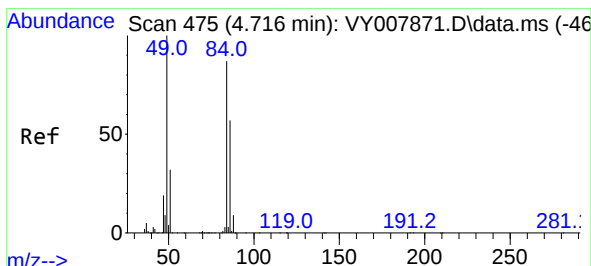
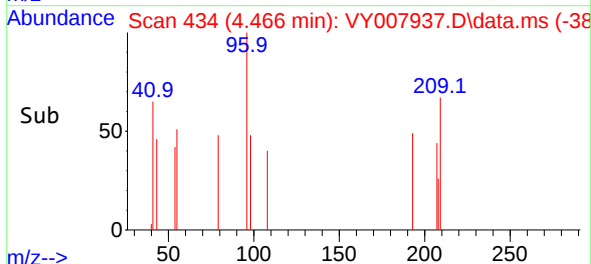
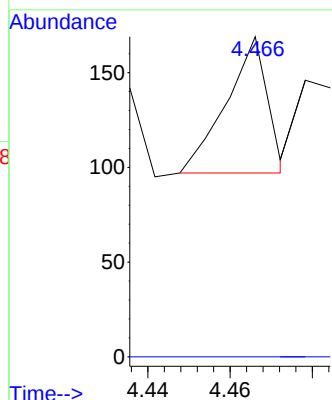
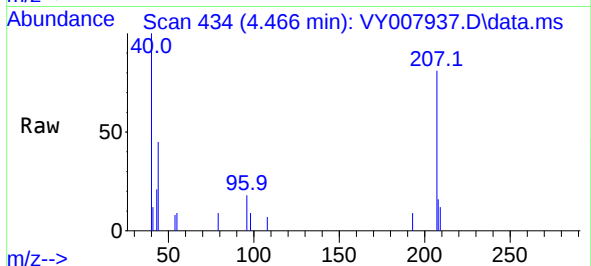




#18
Methyl Acetate
Concen: Below Cal
RT: 4.466 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY007937.D
Acq: 19 Mar 2022 06:20

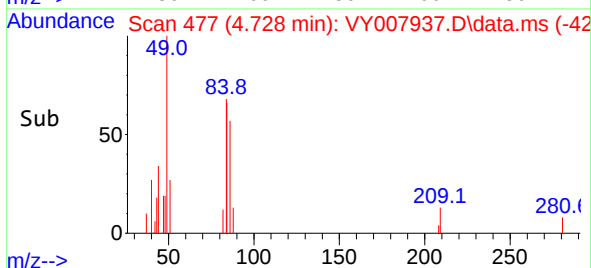
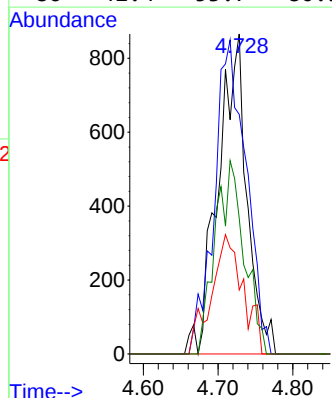
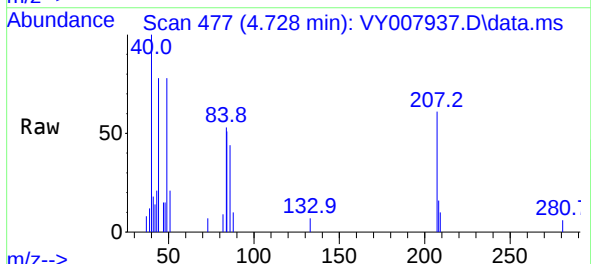
Instrument :
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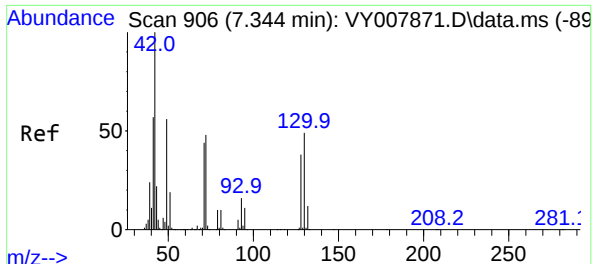
Tgt Ion: 43 Resp: 50
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.728 min Scan# 477
Delta R.T. 0.012 min
Lab File: VY007937.D
Acq: 19 Mar 2022 06:20

Tgt Ion: 84 Resp: 2327
Ion Ratio Lower Upper
84 100
49 74.8 114.4 171.6#
51 20.0 35.3 52.9#
86 42.4 53.7 80.5#

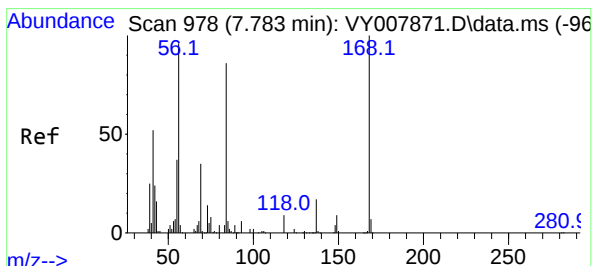
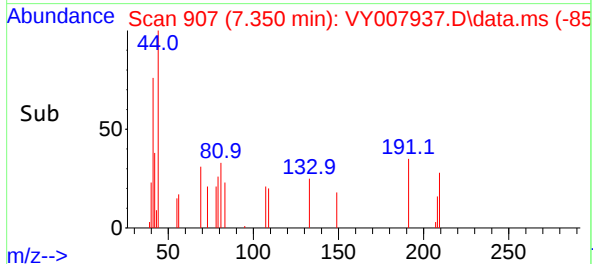
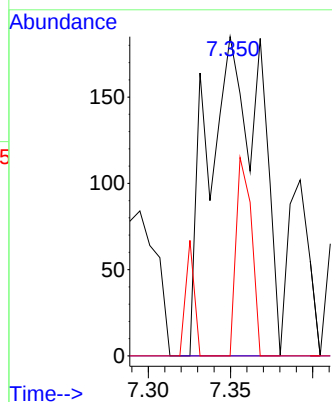
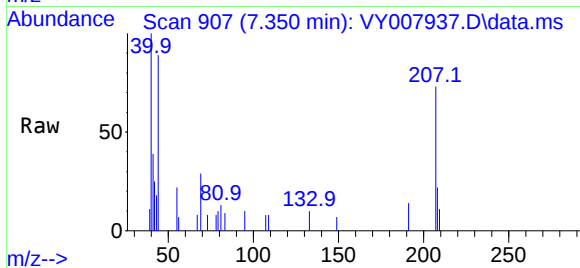




#29
Tetrahydrofuran
Concen: 2.073 ug/l
RT: 7.350 min Scan# 906
Delta R.T. 0.006 min
Lab File: VY007937.D
Acq: 19 Mar 2022 06:20

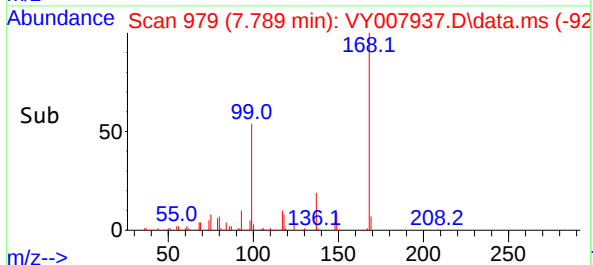
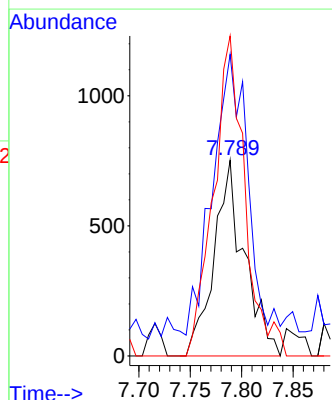
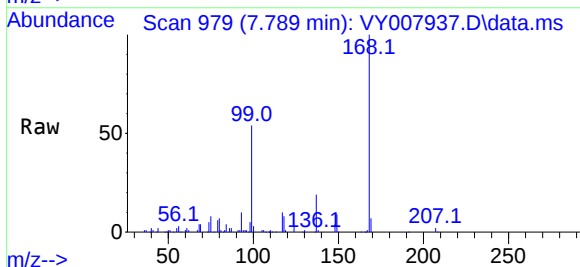
Instrument :
MSVOA_Y
ClientSampleId :
124035

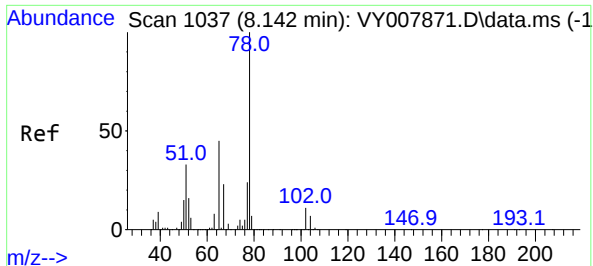
Tgt Ion: 42 Resp: 410
Ion Ratio Lower Upper
42 100
72 0.0 30.3 45.5#
71 18.3 29.0 43.4#



#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY007937.D
Acq: 19 Mar 2022 06:20

Tgt Ion: 56 Resp: 1545
Ion Ratio Lower Upper
56 100
69 141.5 26.7 40.1#
84 163.6 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 46.459 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VY007937.D

Acq: 19 Mar 2022 06:20

Instrument :

MSVOA_Y

ClientSampleId :

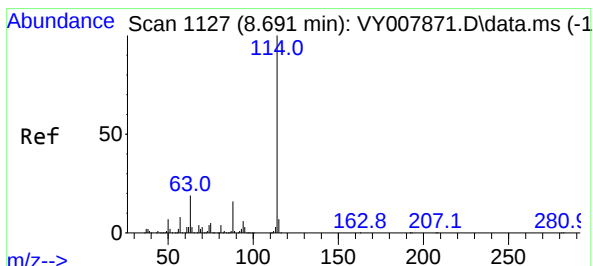
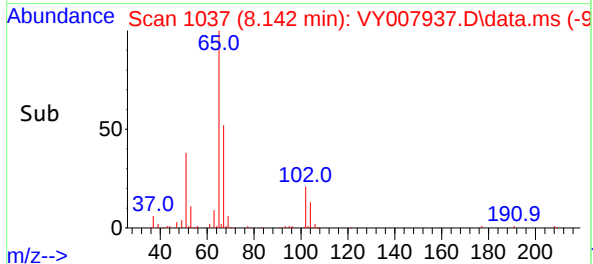
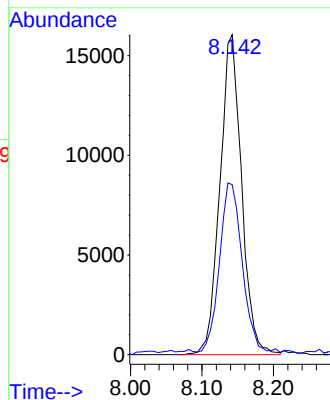
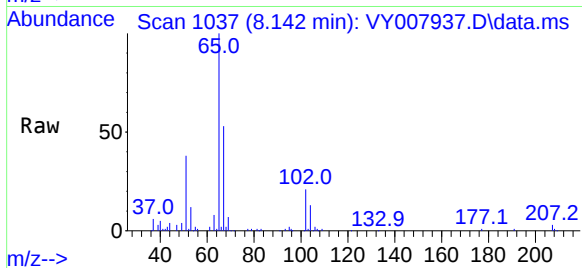
124035

Tgt Ion: 65 Resp: 33753

Ion Ratio Lower Upper

65 100

67 55.3 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: VY007937.D

Acq: 19 Mar 2022 06:20

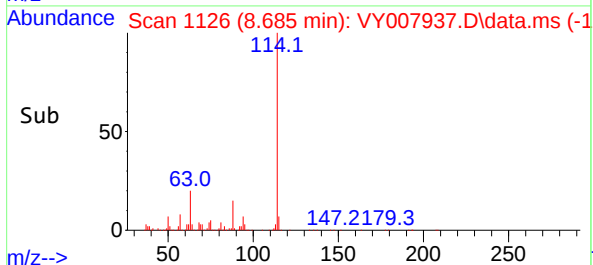
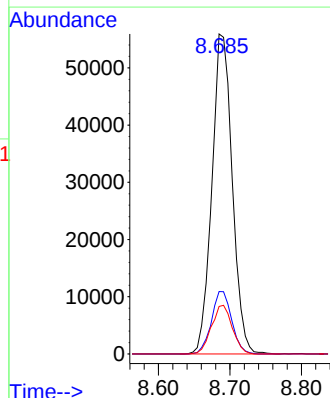
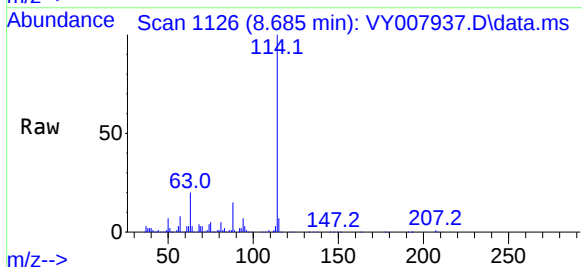
Tgt Ion:114 Resp: 110567

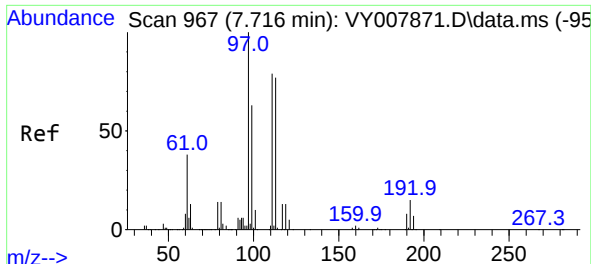
Ion Ratio Lower Upper

114 100

63 19.5 0.0 43.2

88 14.9 0.0 31.8

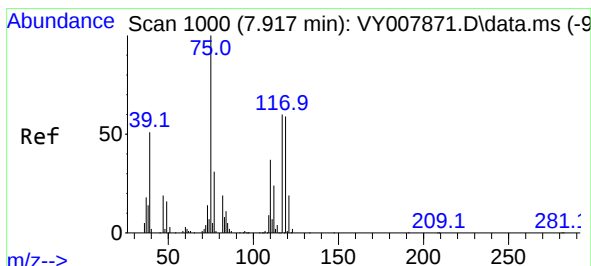
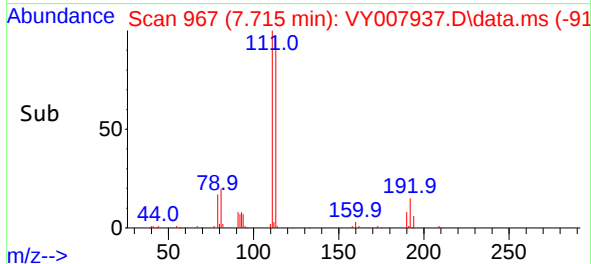
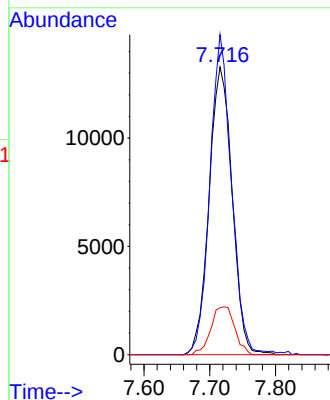
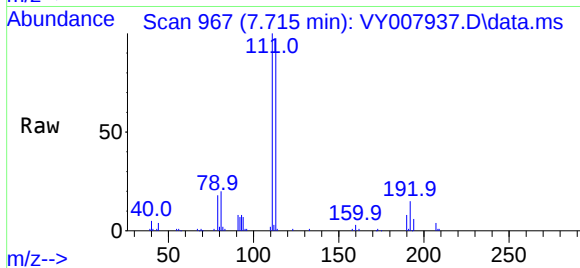




#35
Dibromofluoromethane
Concen: 41.868 ug/l
RT: 7.715 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY007937.D
Acq: 19 Mar 2022 06:20

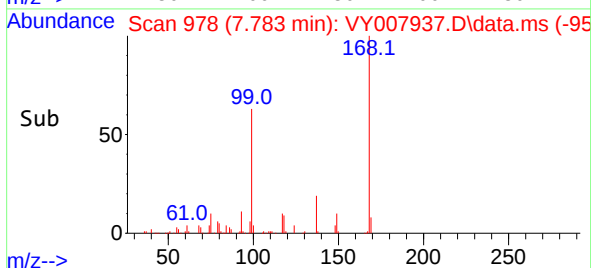
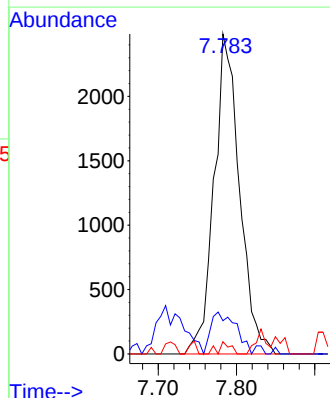
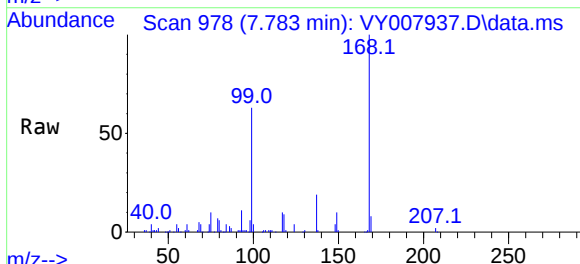
Instrument :
MSVOA_Y
ClientSampleId :
124035

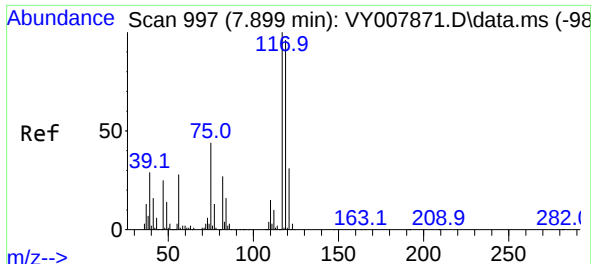
Tgt Ion:113 Resp: 32511
Ion Ratio Lower Upper
113 100
111 104.4 82.6 124.0
192 17.2 17.6 26.4#



#36
1,1-Dichloropropene
Concen: 4.869 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.135 min
Lab File: VY007937.D
Acq: 19 Mar 2022 06:20

Tgt Ion: 75 Resp: 5608
Ion Ratio Lower Upper
75 100
110 12.8 17.1 51.2#
77 1.8 24.4 36.6#

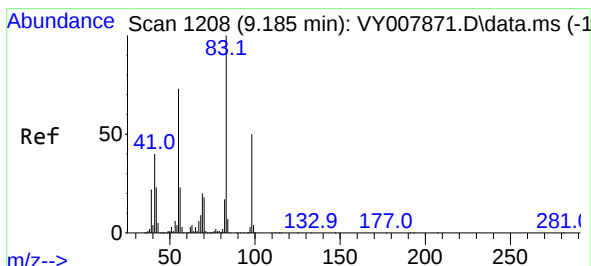
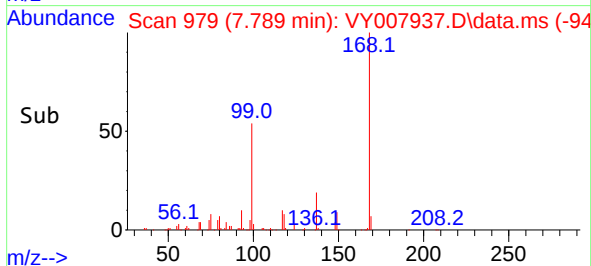
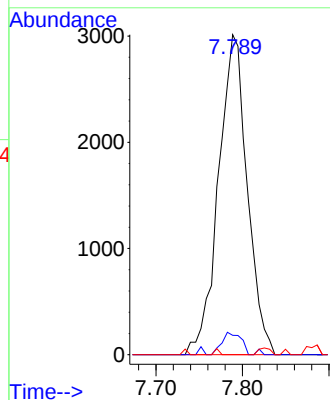
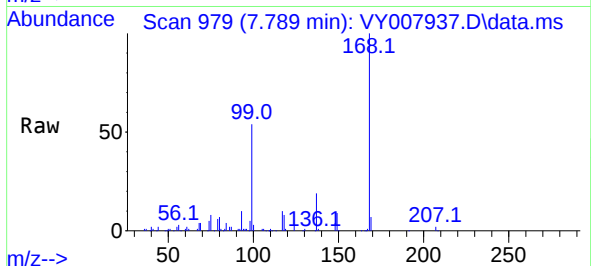




#38
Carbon Tetrachloride
Concen: 5.653 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY007937.D
Acq: 19 Mar 2022 06:20

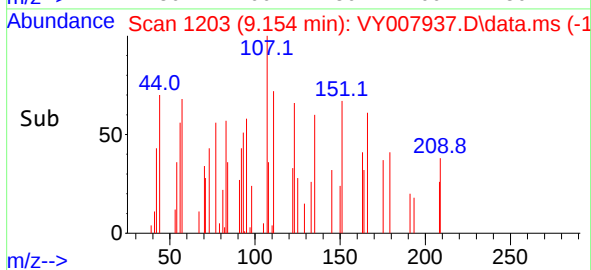
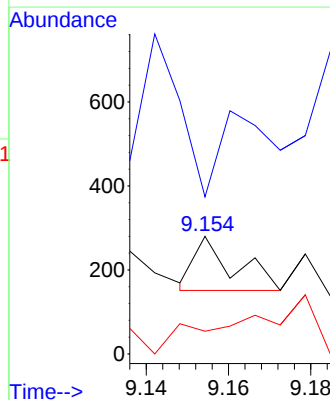
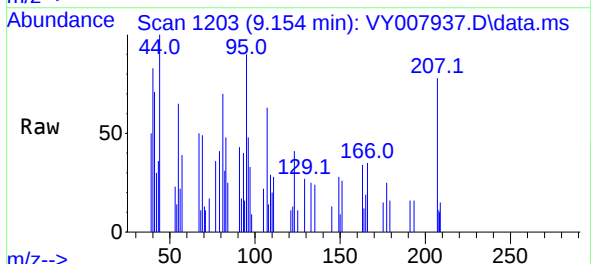
Instrument :
MSVOA_Y
ClientSampleId :
124035

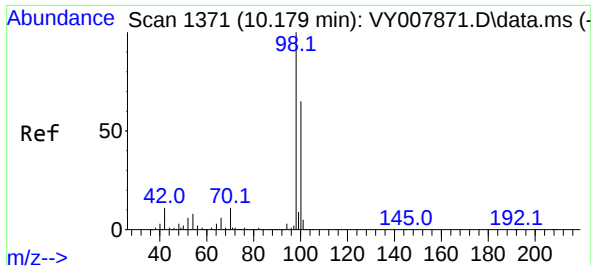
Tgt Ion:117 Resp: 6957
Ion Ratio Lower Upper
117 100
119 6.1 77.9 116.9#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: Below Cal
RT: 9.154 min Scan# 1203
Delta R.T. -0.031 min
Lab File: VY007937.D
Acq: 19 Mar 2022 06:20

Tgt Ion: 83 Resp: 86
Ion Ratio Lower Upper
83 100
55 0.0 66.5 99.7#
98 0.0 37.9 56.9#

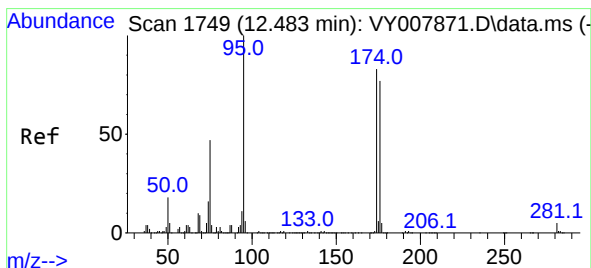
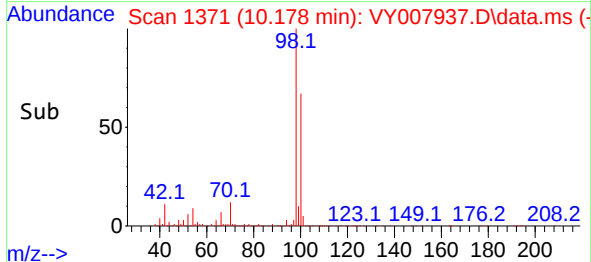
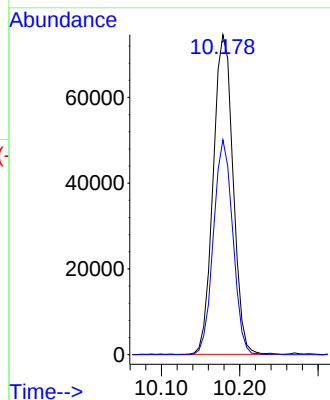
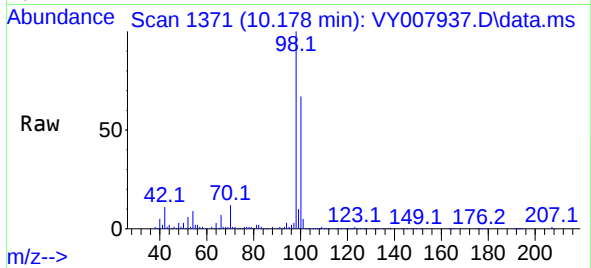




#50
Toluene-d8
Concen: 56.882 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007937.D
Acq: 19 Mar 2022 06:20

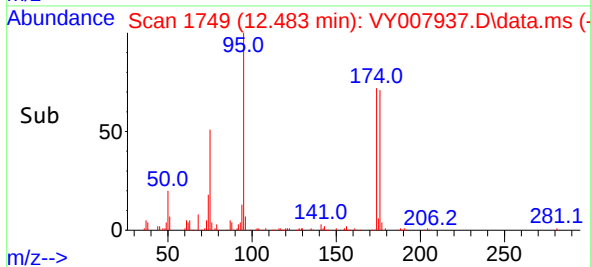
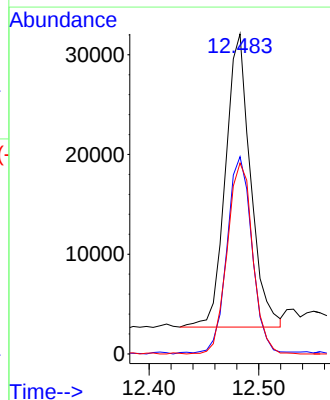
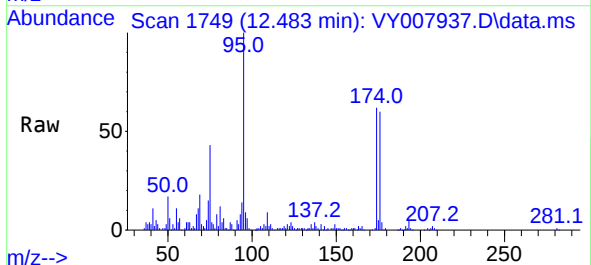
Instrument :
MSVOA_Y
ClientSampleId :
124035

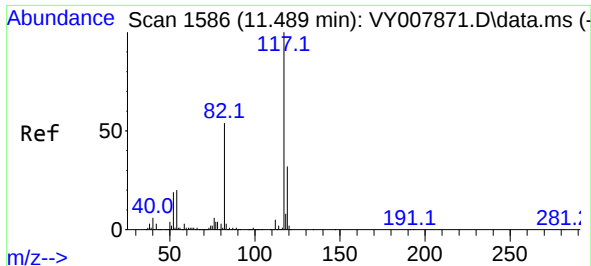
Tgt Ion: 98 Resp: 131462
Ion Ratio Lower Upper
98 100
100 65.5 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 41.768 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY007937.D
Acq: 19 Mar 2022 06:20

Tgt Ion: 95 Resp: 46548
Ion Ratio Lower Upper
95 100
174 68.0 0.0 177.0
176 66.5 0.0 175.8

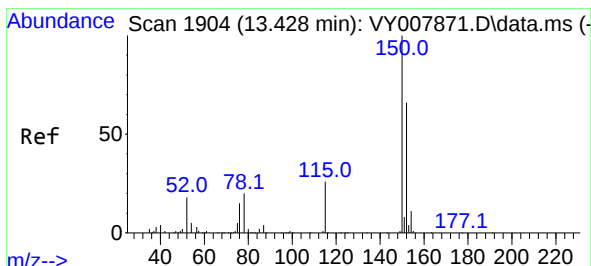
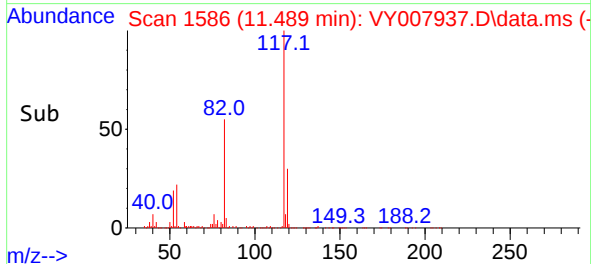
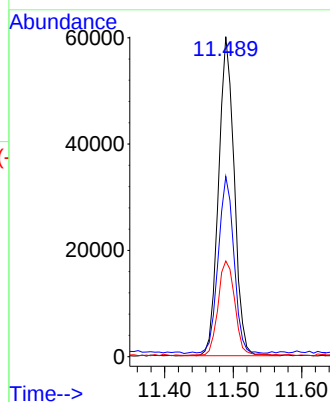
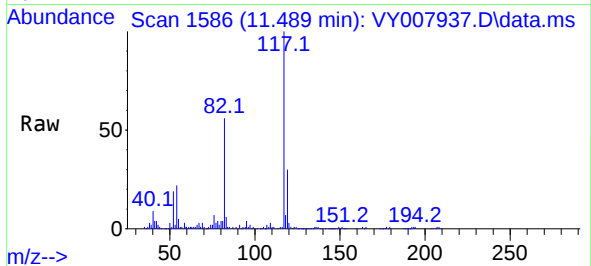




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007937.D
Acq: 19 Mar 2022 06:20

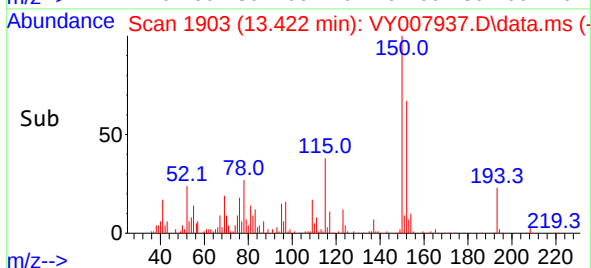
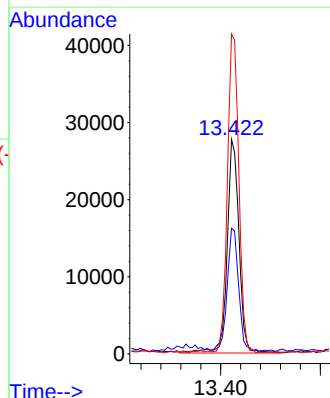
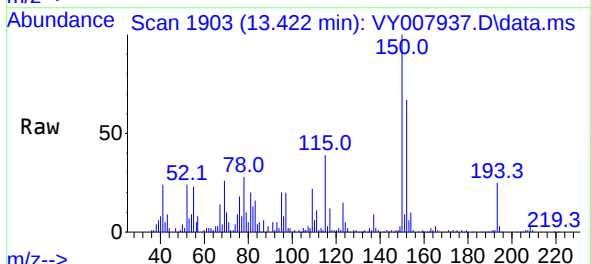
Instrument :
MSVOA_Y
ClientSampleId :
124035

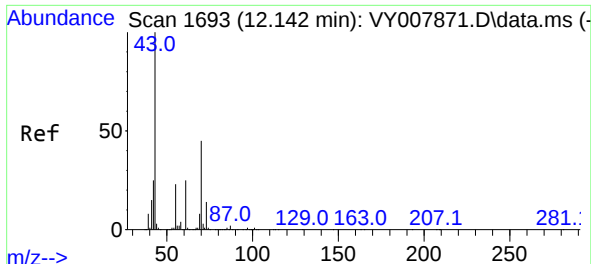
Tgt Ion:117	Resp:	95263
Ion	Ratio	Lower Upper
117	100	
82	55.0	43.0 64.4
119	29.5	25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY007937.D
Acq: 19 Mar 2022 06:20

Tgt Ion:152	Resp:	45686
Ion	Ratio	Lower Upper
152	100	
115	53.8	28.2 84.7
150	143.1	0.0 347.6



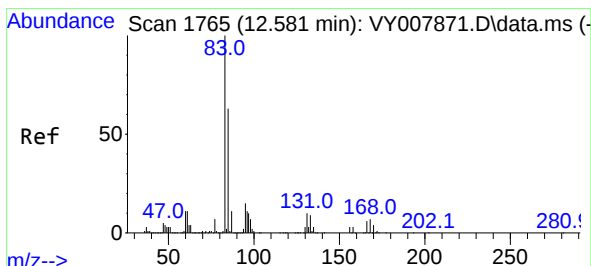
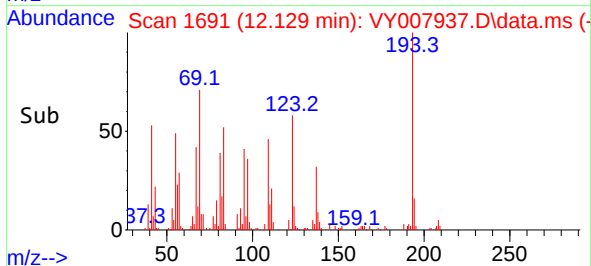
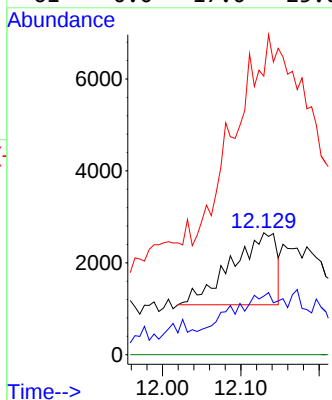
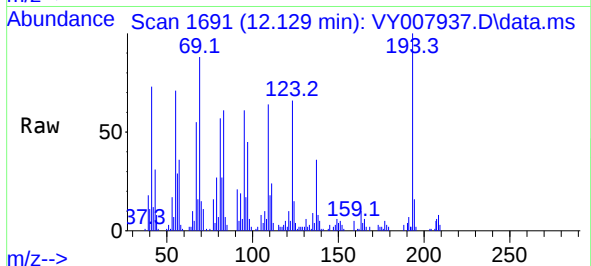


#74
N-amy1 acetate
Concen: 5.259 ug/l
RT: 12.129 min Scan# 1
Delta R.T. -0.013 min
Lab File: VY007937.D
Acq: 19 Mar 2022 06:20

Instrument :
MSVOA_Y
ClientSampleId :
124035

Tgt Ion: 43 Resp: 6239

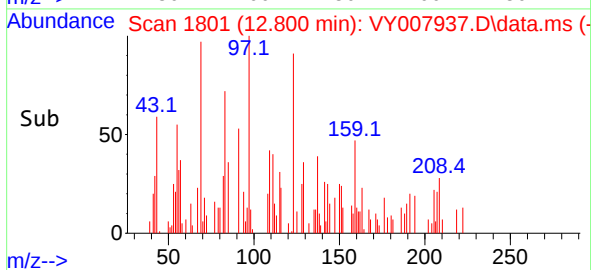
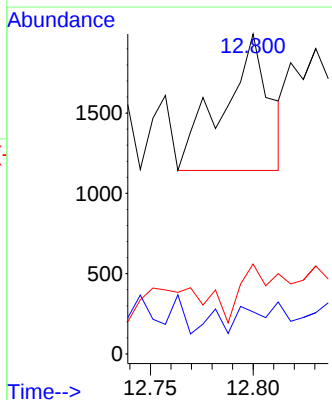
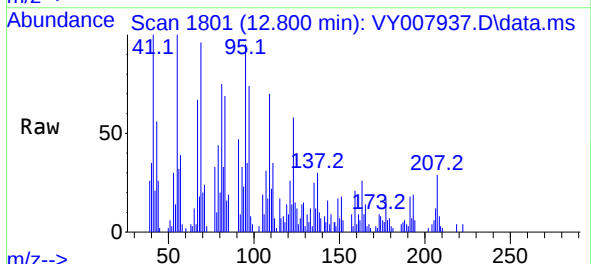
Ion	Ratio	Lower	Upper
43	100		
70	11.1	28.7	43.1#
55	557.3	17.3	25.9#
61	0.0	17.0	25.6#

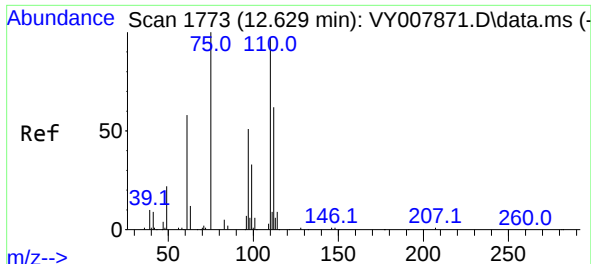


#75
1,1,2,2-Tetrachloroethane
Concen: 1.540 ug/l
RT: 12.800 min Scan# 1801
Delta R.T. 0.219 min
Lab File: VY007937.D
Acq: 19 Mar 2022 06:20

Tgt Ion: 83 Resp: 1333

Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.6	16.8
85	38.1	32.3	96.8

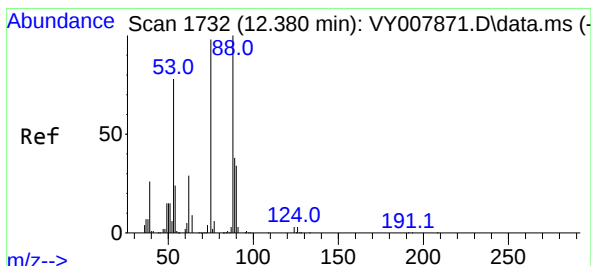
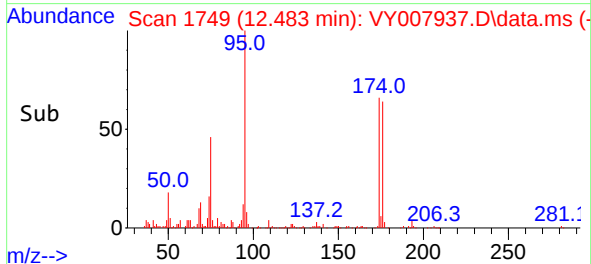
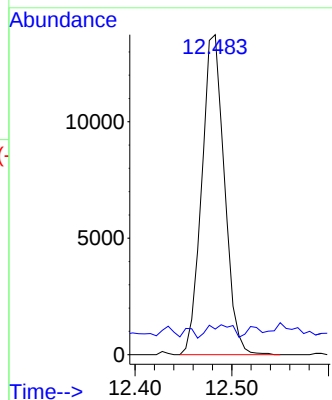
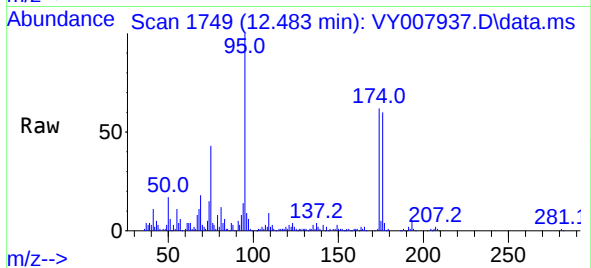




#76
1,2,3-Trichloropropane
Concen: 34.436 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY007937.D
Acq: 19 Mar 2022 06:20

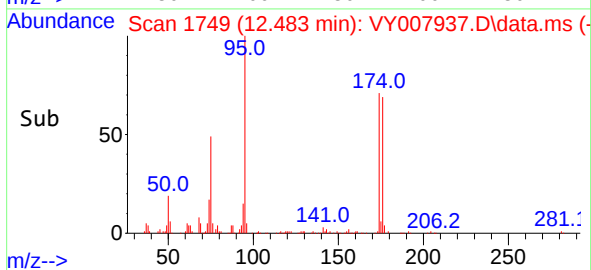
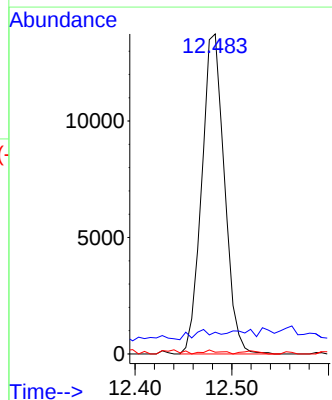
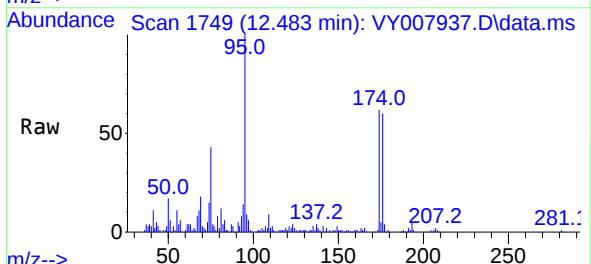
Instrument :
MSVOA_Y
ClientSampleId :
124035

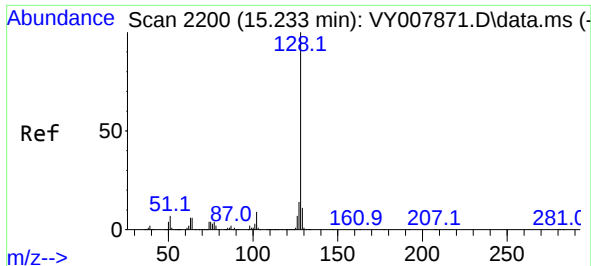
Tgt Ion: 75 Resp: 22424
Ion Ratio Lower Upper
75 100
77 4.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.330 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY007937.D
Acq: 19 Mar 2022 06:20

Tgt Ion: 75 Resp: 22424
Ion Ratio Lower Upper
75 100
53 3.1 85.3 127.9#
89 0.9 37.0 55.4#





#95

Naphthalene

Concen: 5.494 ug/l

RT: 15.232 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY007937.D

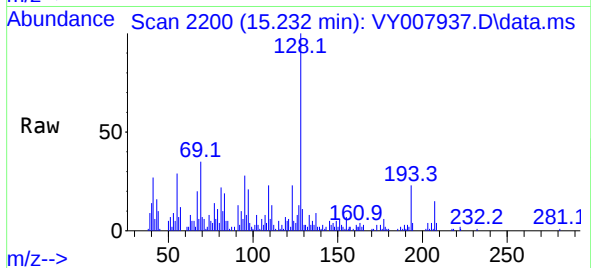
Acq: 19 Mar 2022 06:20

Instrument :

MSVOA_Y

ClientSampleId :

124035



Tgt Ion:128 Resp: 12508

Ion Ratio Lower Upper

128 100

127 16.1 11.0 16.4

129 13.2 8.4 12.6#

