

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031822\
 Data File : VY007926.D
 Acq On : 19 Mar 2022 02:02
 Operator : SY/MD
 Sample : N1958-06
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C-6-5-6

Quant Time: Mar 21 03:18:33 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)

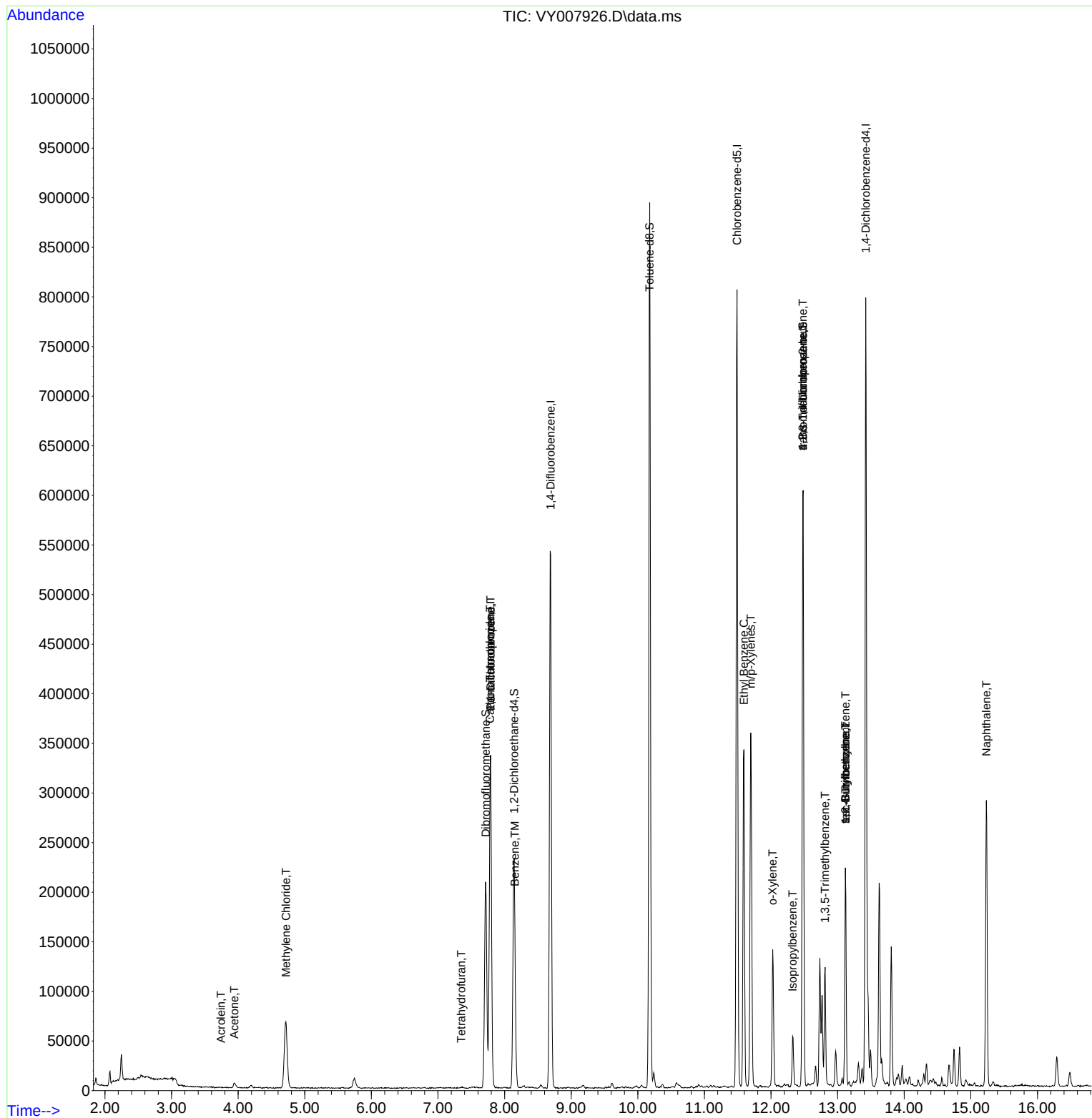
Internal Standards						
1) Pentafluorobenzene	7.789	168	250706	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	475639	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	432435	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	187415	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	165017	57.728	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.460%			
35) Dibromofluoromethane	7.716	113	150559	45.072	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 90.140%			
50) Toluene-d8	10.179	98	578663	58.353	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 116.700%			
62) 4-Bromofluorobenzene	12.477	95	201413	42.013	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 84.020%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	129	Below Cal	#	43
3) Chloromethane	2.107	50	871	Below Cal	#	86
4) Vinyl Chloride	2.247	62	137	Below Cal	#	43
5) Bromomethane	2.656	94	541	Below Cal	#	54
13) Acrolein	3.741	56	217	1.082	ug/l #	14
16) Acetone	3.942	43	8120	10.708	ug/l	92
17) Carbon Disulfide	4.192	76	4272	Below Cal		97
18) Methyl Acetate	4.460	43	627	Below Cal	#	64
20) Methylene Chloride	4.716	84	51786	14.305	ug/l	87
29) Tetrahydrofuran	7.350	42	958	1.231	ug/l #	49
31) Cyclohexane	7.783	56	6006	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	21547	4.349	ug/l #	50
38) Carbon Tetrachloride	7.783	117	26649	5.034	ug/l #	15
39) Methylcyclohexane	9.179	83	1031	Below Cal	#	87
40) Benzene	8.155	78	34639	2.393	ug/l	92
67) Ethyl Benzene	11.593	91	237248	12.857	ug/l	97
68) m/p-Xylenes	11.697	106	108926	15.133	ug/l	95
69) o-Xylene	12.026	106	36225	5.203	ug/l	98
73) Isopropylbenzene	12.325	105	32515	1.971	ug/l	100
76) 1,2,3-Trichloropropane	12.477	75	105545	39.511	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	58797	4.334	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.477	75	105545	82.989	ug/l #	7
83) tert-Butylbenzene	13.117	119	13860	1.142	ug/l #	69
84) 1,2,4-Trimethylbenzene	13.117	105	113427	8.529	ug/l	98
85) sec-Butylbenzene	13.117	105	113427	6.234	ug/l #	56
95) Naphthalene	15.233	128	230734	24.704	ug/l	98

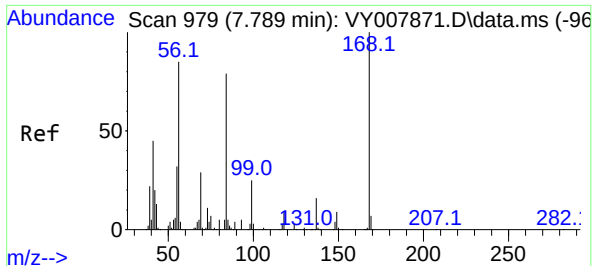
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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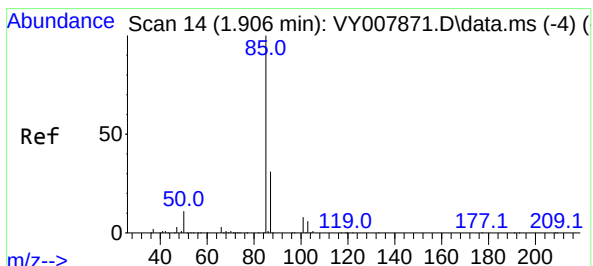
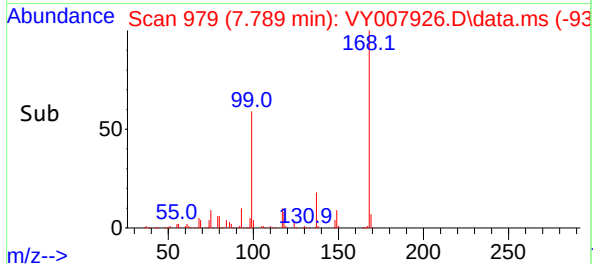
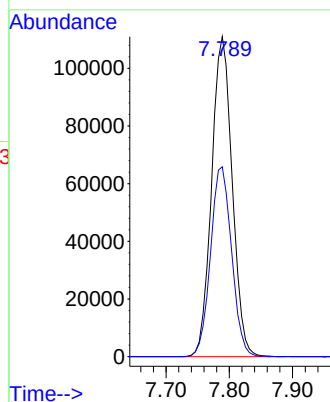
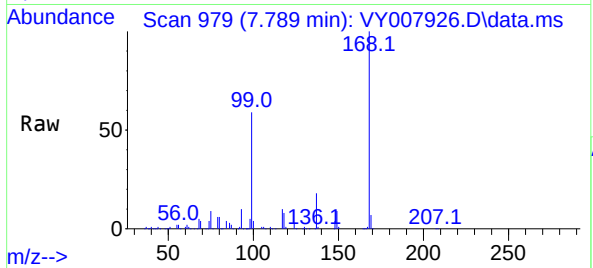




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007926.D
Acq: 19 Mar 2022 02:02

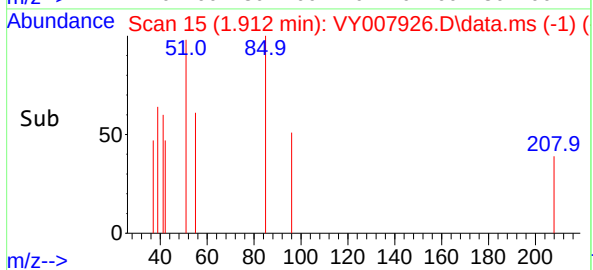
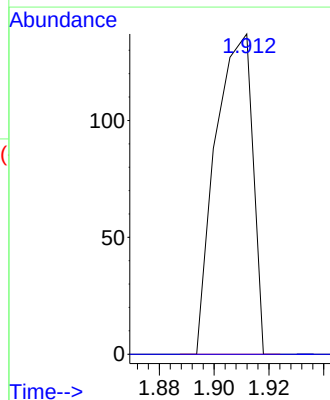
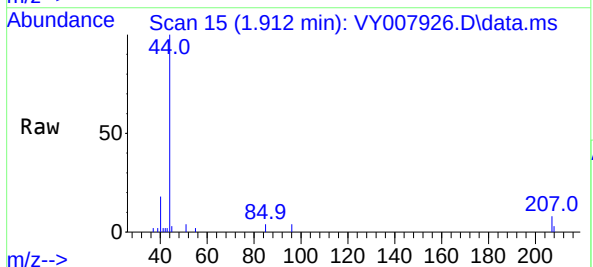
Instrument :
MSVOA_Y
ClientSampleId :
C-6-5-6

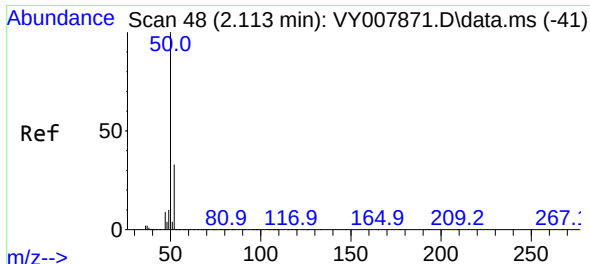
Tgt Ion:168 Resp: 250706
Ion Ratio Lower Upper
168 100
99 59.4 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY007926.D
Acq: 19 Mar 2022 02:02

Tgt Ion: 85 Resp: 129
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

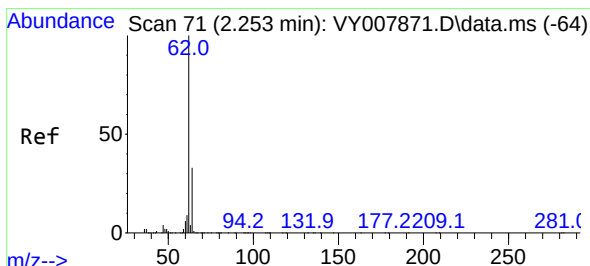
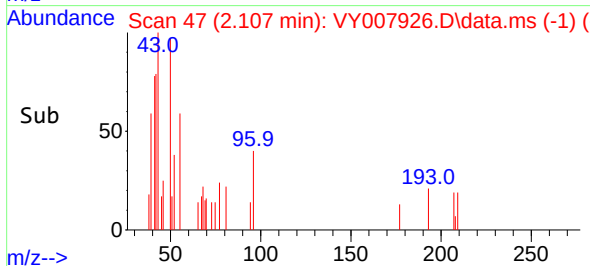
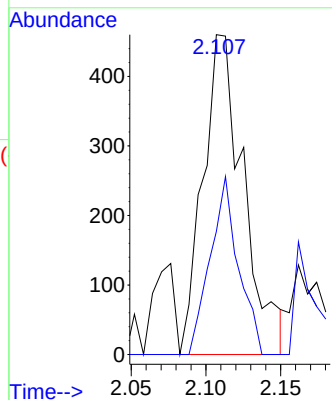
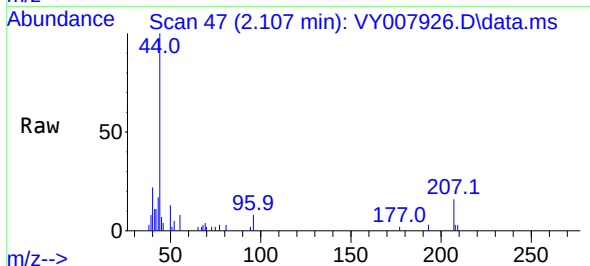




#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY007926.D
Acq: 19 Mar 2022 02:02

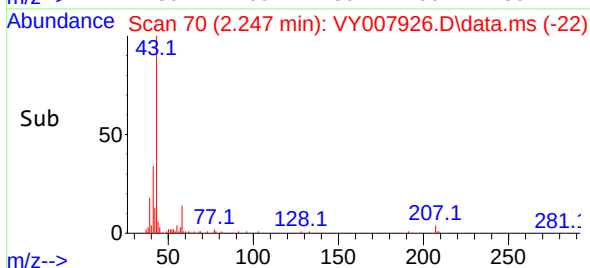
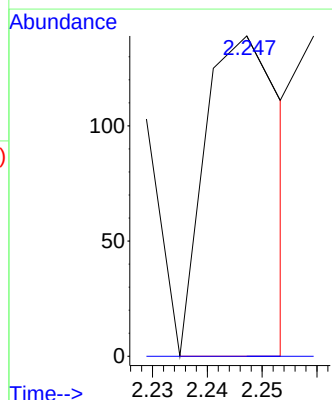
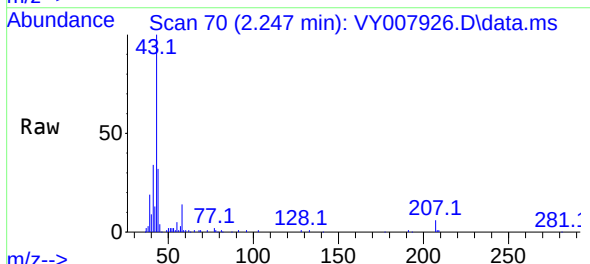
Instrument :
MSVOA_Y
ClientSampleId :
C-6-5-6

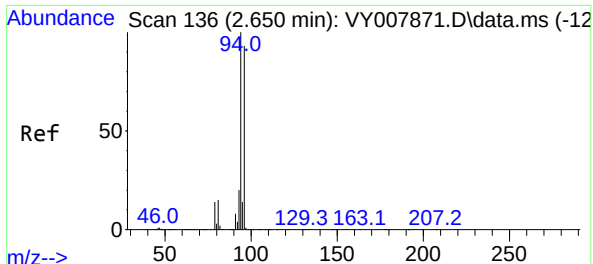
Tgt Ion: 50 Resp: 871
Ion Ratio Lower Upper
50 100
52 38.5 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.247 min Scan# 70
Delta R.T. -0.006 min
Lab File: VY007926.D
Acq: 19 Mar 2022 02:02

Tgt Ion: 62 Resp: 137
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

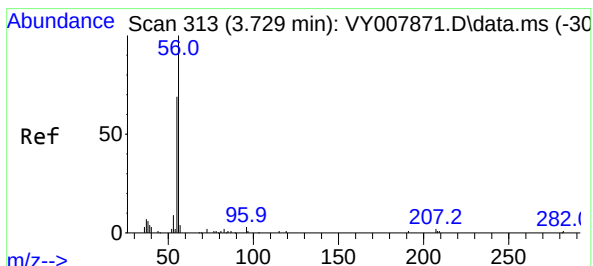
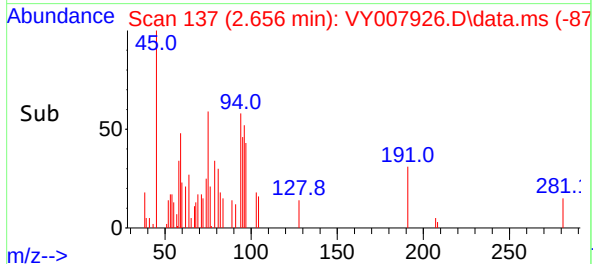
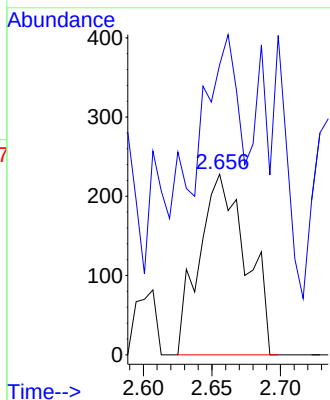
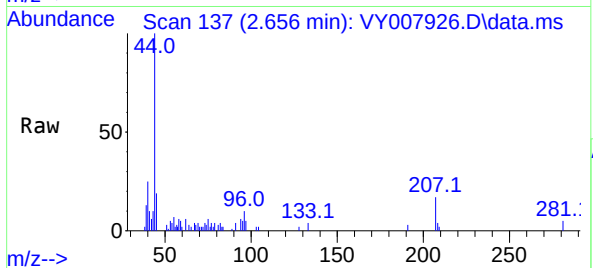




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY007926.D
Acq: 19 Mar 2022 02:02

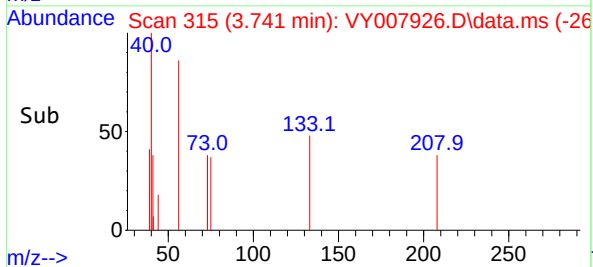
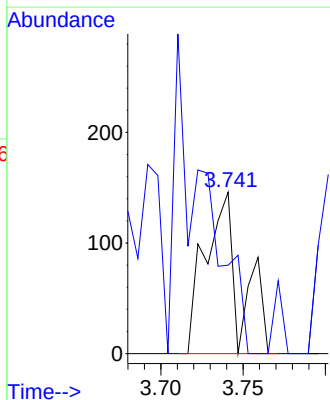
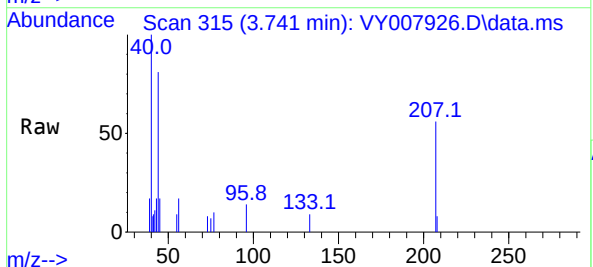
Instrument :
MSVOA_Y
ClientSampleId :
C-6-5-6

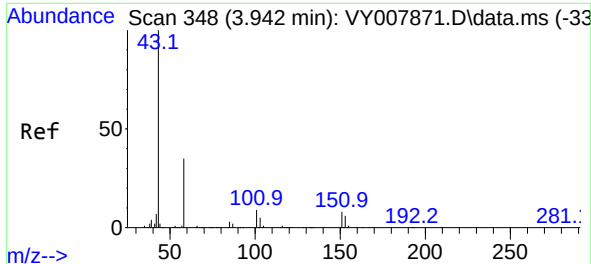
Tgt Ion: 94 Resp: 541
Ion Ratio Lower Upper
94 100
96 48.2 73.5 110.3#



#13
Acrolein
Concen: 1.082 ug/l
RT: 3.741 min Scan# 315
Delta R.T. 0.012 min
Lab File: VY007926.D
Acq: 19 Mar 2022 02:02

Tgt Ion: 56 Resp: 217
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#





#16

Acetone

Concen: 10.708 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.000 min

Lab File: VY007926.D

Acq: 19 Mar 2022 02:02

Instrument :

MSVOA_Y

ClientSampleId :

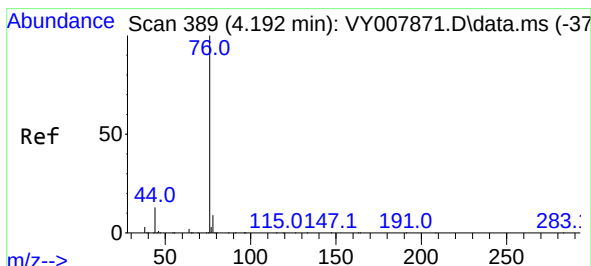
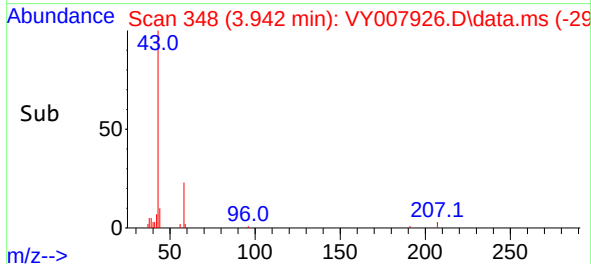
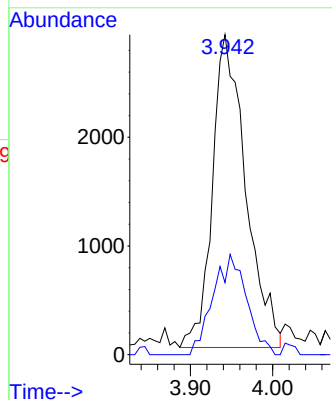
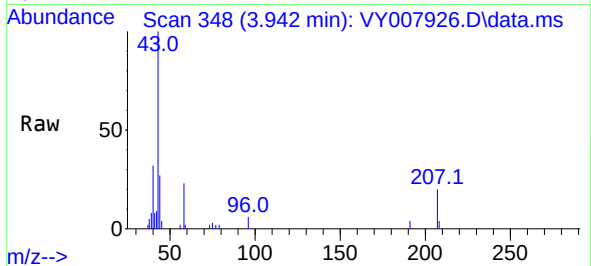
C-6-5-6

Tgt Ion: 43 Resp: 8120

Ion Ratio Lower Upper

43 100

58 23.1 22.0 33.0



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.192 min Scan# 389

Delta R.T. -0.000 min

Lab File: VY007926.D

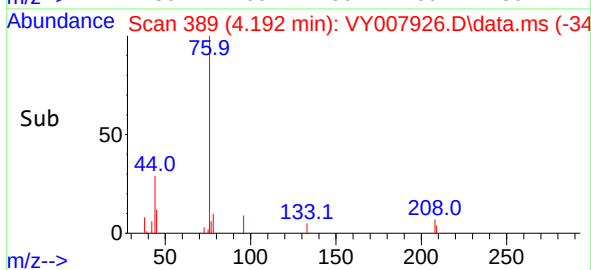
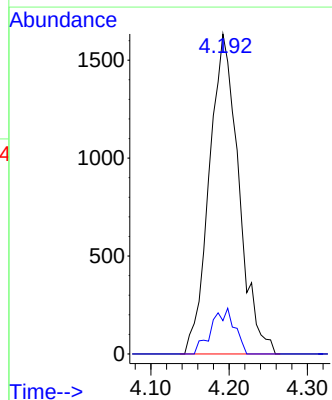
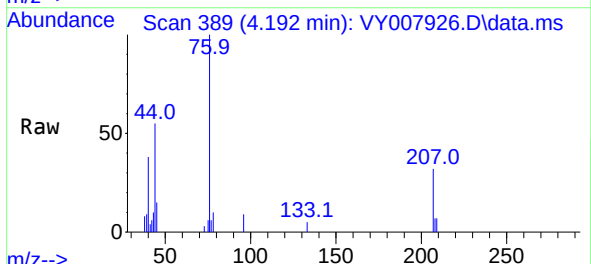
Acq: 19 Mar 2022 02:02

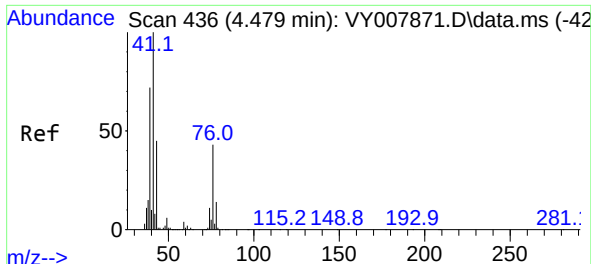
Tgt Ion: 76 Resp: 4272

Ion Ratio Lower Upper

76 100

78 10.4 7.4 11.0





#18

Methyl Acetate

Concen: Below Cal

RT: 4.460 min Scan# 41

Delta R.T. -0.012 min

Lab File: VY007926.D

Acq: 19 Mar 2022 02:02

Instrument :

MSVOA_Y

ClientSampleId :

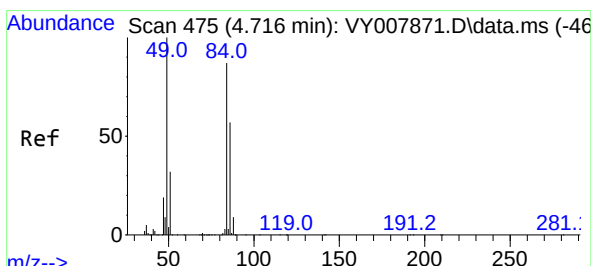
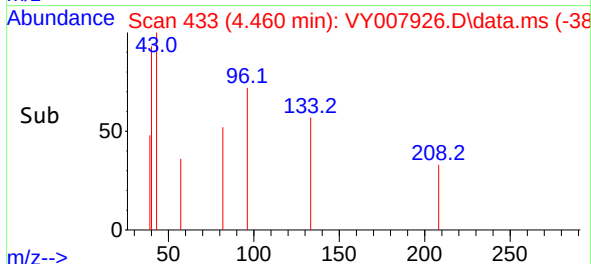
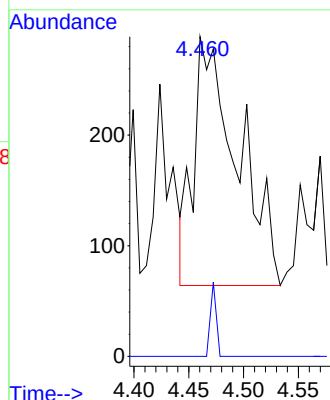
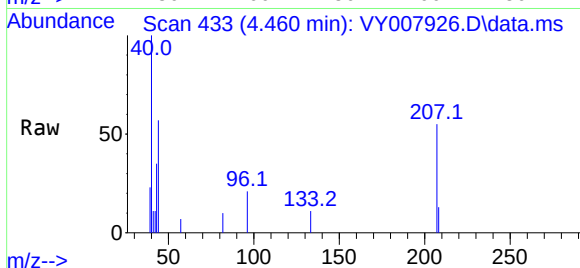
C-6-5-6

Tgt Ion: 43 Resp: 627

Ion Ratio Lower Upper

43 100

74 4.0 16.6 24.8#



#20

Methylene Chloride

Concen: 14.305 ug/l

RT: 4.716 min Scan# 475

Delta R.T. -0.000 min

Lab File: VY007926.D

Acq: 19 Mar 2022 02:02

Tgt Ion: 84 Resp: 51786

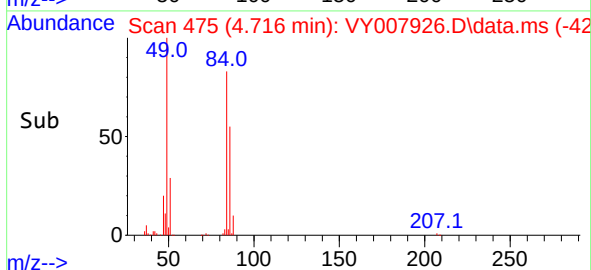
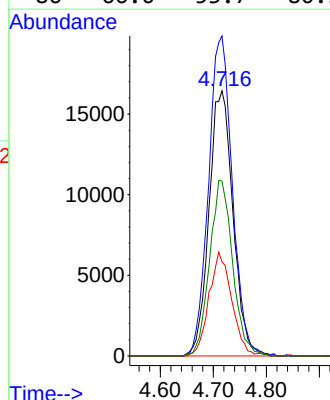
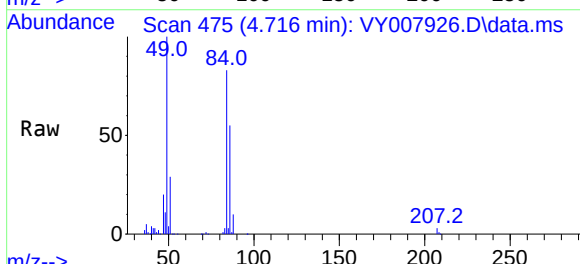
Ion Ratio Lower Upper

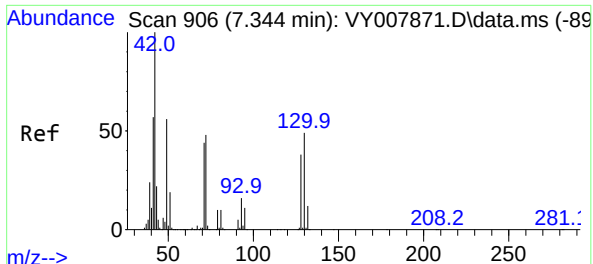
84 100

49 120.7 114.4 171.6

51 35.6 35.3 52.9

86 66.0 53.7 80.5

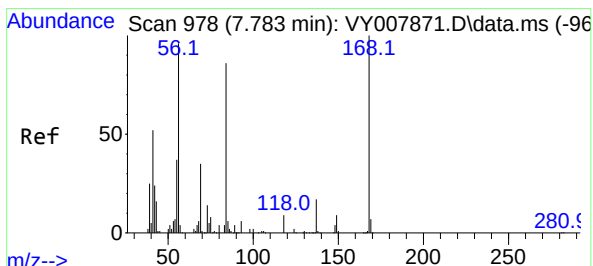
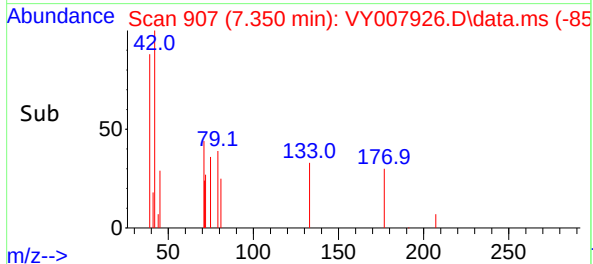
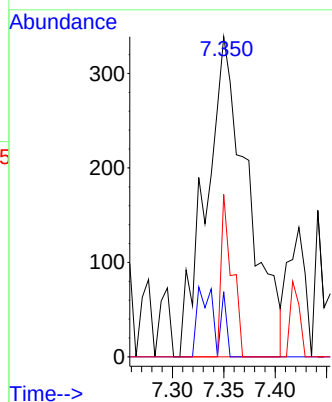
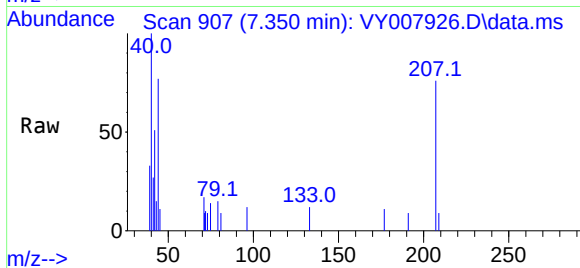




#29
Tetrahydrofuran
Concen: 1.231 ug/l
RT: 7.350 min Scan# 906
Delta R.T. 0.006 min
Lab File: VY007926.D
Acq: 19 Mar 2022 02:02

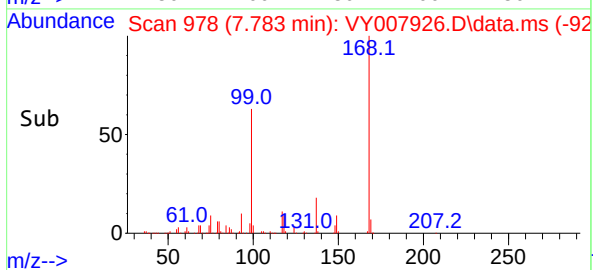
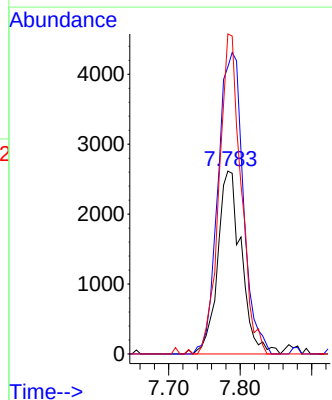
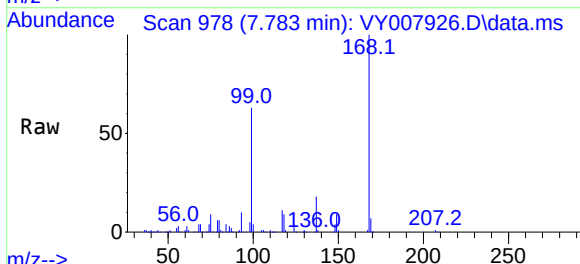
Instrument :
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ClientSampleId :
C-6-5-6

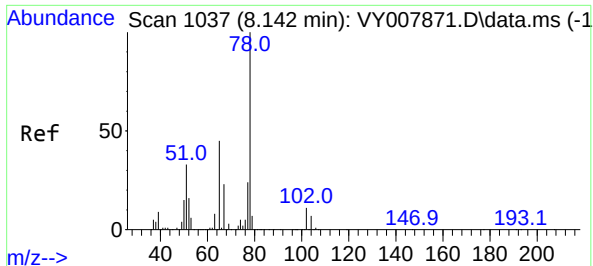
Tgt Ion:	42	Resp:	958
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.3	45.5#
71	13.2	29.0	43.4#



#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY007926.D
Acq: 19 Mar 2022 02:02

Tgt Ion:	56	Resp:	6006
Ion	Ratio	Lower	Upper
56	100		
69	157.0	26.7	40.1#
84	174.9	67.2	100.8#





#33

1,2-Dichloroethane-d4

Concen: 57.728 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VY007926.D

Acq: 19 Mar 2022 02:02

Instrument :

MSVOA_Y

ClientSampleId :

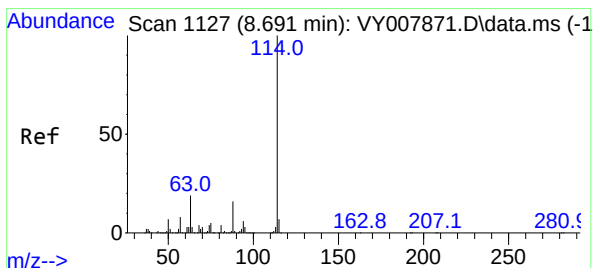
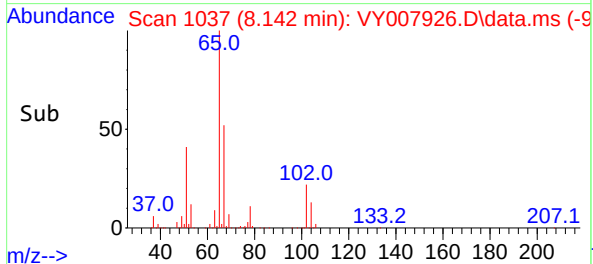
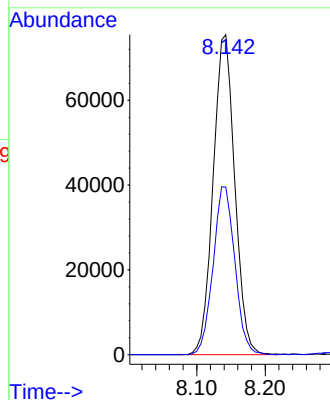
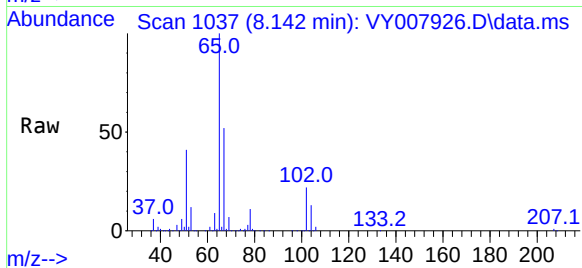
C-6-5-6

Tgt Ion: 65 Resp: 165017

Ion Ratio Lower Upper

65 100

67 52.9 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY007926.D

Acq: 19 Mar 2022 02:02

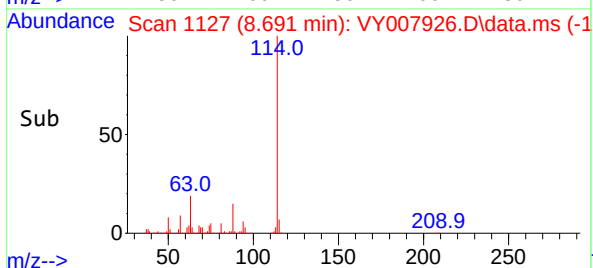
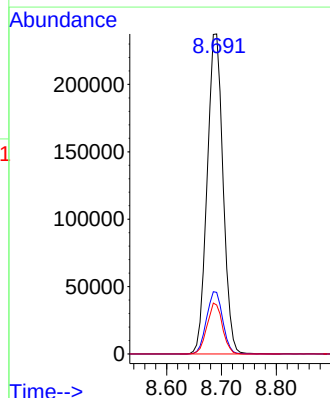
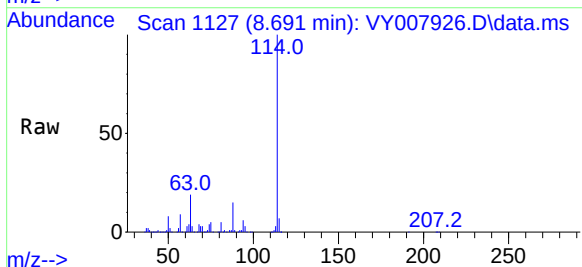
Tgt Ion: 114 Resp: 475639

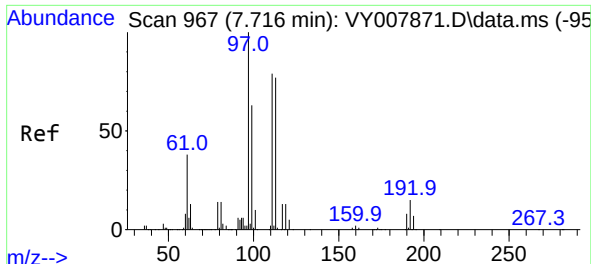
Ion Ratio Lower Upper

114 100

63 19.3 0.0 43.2

88 15.3 0.0 31.8

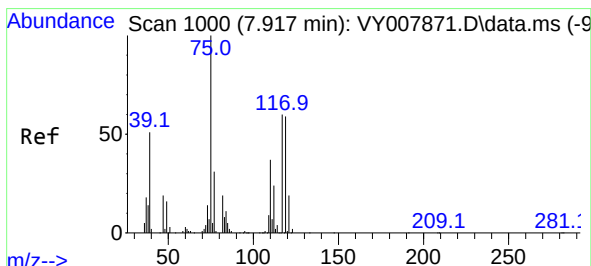
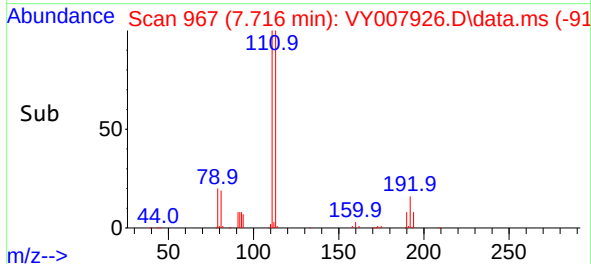
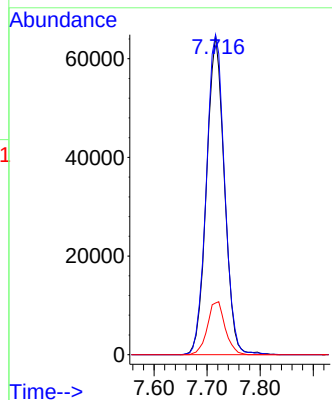
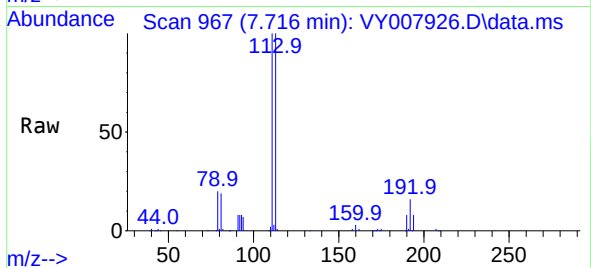




#35
Dibromofluoromethane
Concen: 45.072 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY007926.D
Acq: 19 Mar 2022 02:02

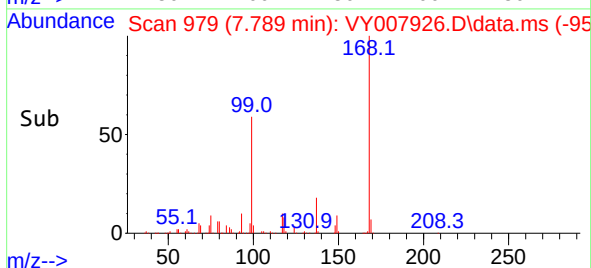
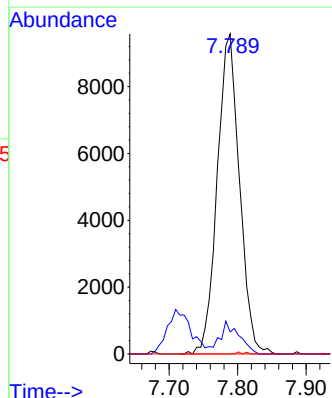
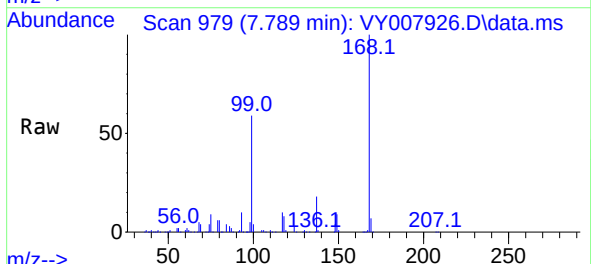
Instrument :
MSVOA_Y
ClientSampleId :
C-6-5-6

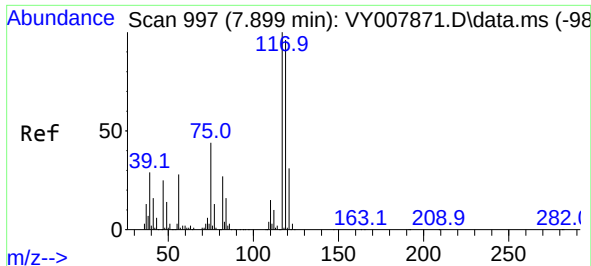
Tgt Ion:113 Resp: 150559
Ion Ratio Lower Upper
113 100
111 103.1 82.6 124.0
192 16.6 17.6 26.4#



#36
1,1-Dichloropropene
Concen: 4.349 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY007926.D
Acq: 19 Mar 2022 02:02

Tgt Ion: 75 Resp: 21547
Ion Ratio Lower Upper
75 100
110 8.3 17.1 51.2#
77 0.0 24.4 36.6#

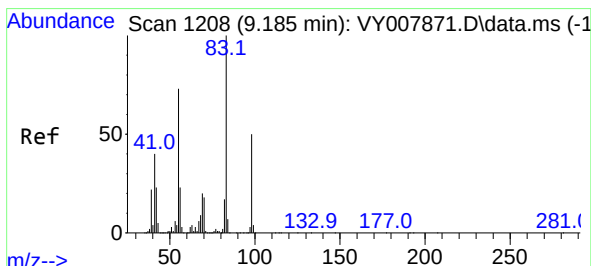
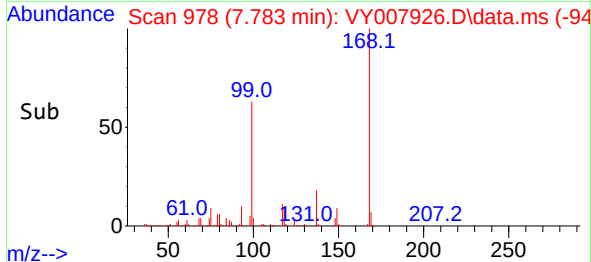
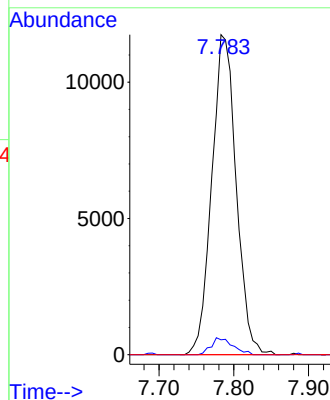
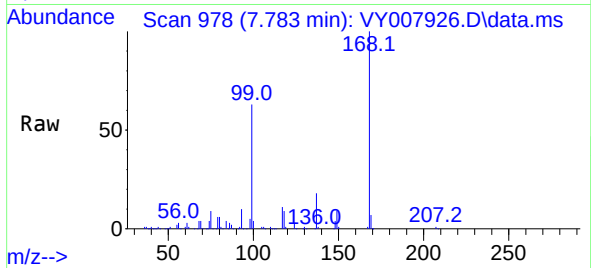




#38
Carbon Tetrachloride
Concen: 5.034 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY007926.D
Acq: 19 Mar 2022 02:02

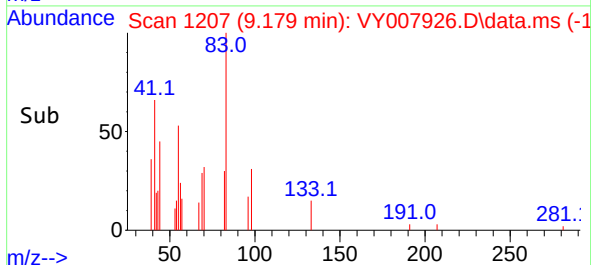
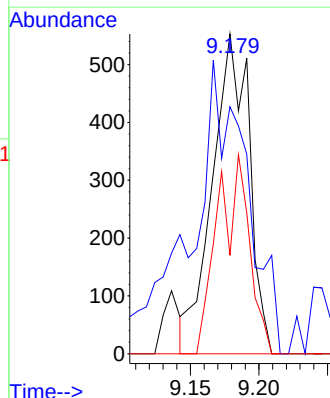
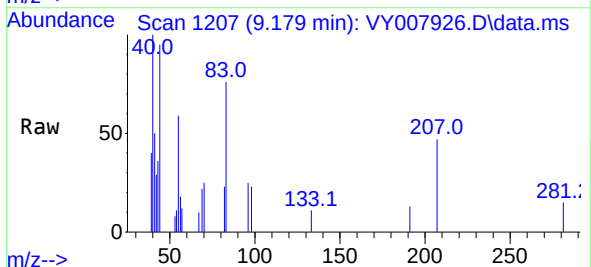
Instrument :
MSVOA_Y
ClientSampleId :
C-6-5-6

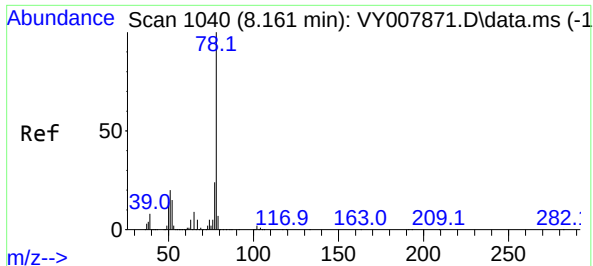
Tgt Ion:117 Resp: 26649
Ion Ratio Lower Upper
117 100
119 4.7 77.9 116.9#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: Below Cal
RT: 9.179 min Scan# 1207
Delta R.T. -0.006 min
Lab File: VY007926.D
Acq: 19 Mar 2022 02:02

Tgt Ion: 83 Resp: 1031
Ion Ratio Lower Upper
83 100
55 77.2 66.5 99.7
98 30.7 37.9 56.9#

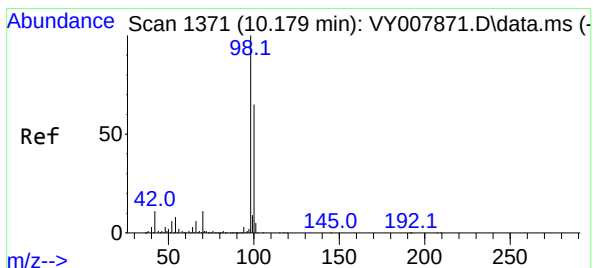
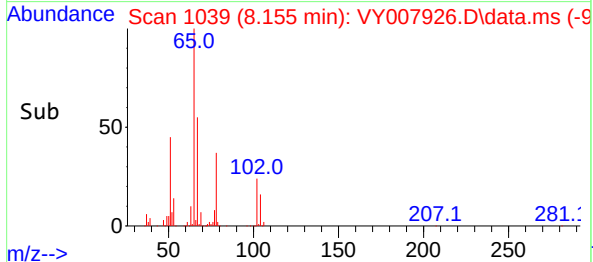
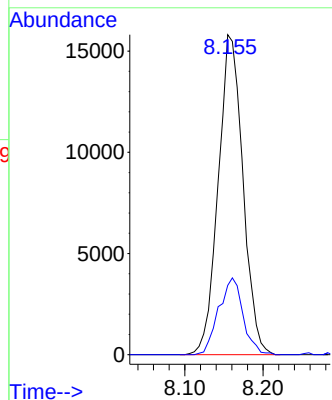
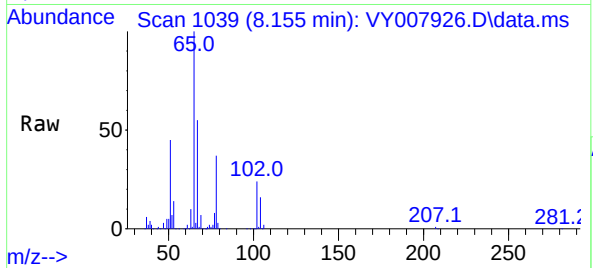




#40
Benzene
Concen: 2.393 ug/l
RT: 8.155 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY007926.D
Acq: 19 Mar 2022 02:02

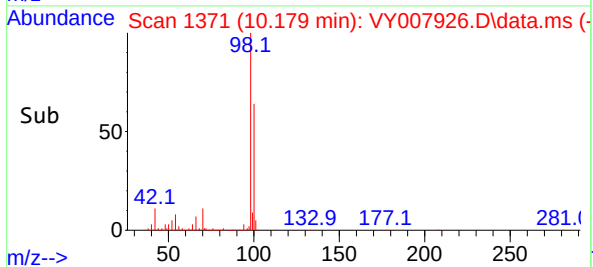
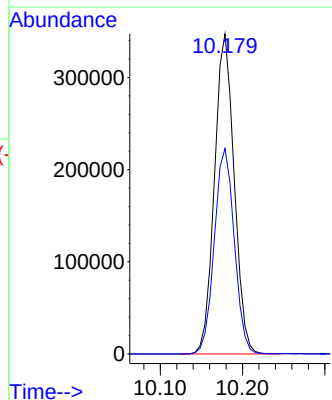
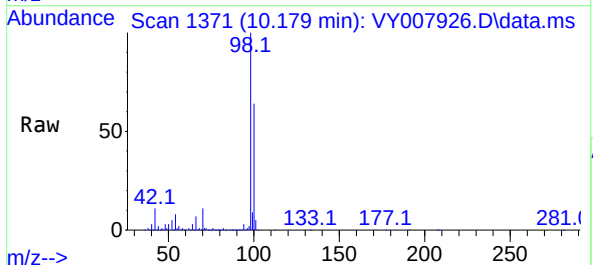
Instrument :
MSVOA_Y
ClientSampleId :
C-6-5-6

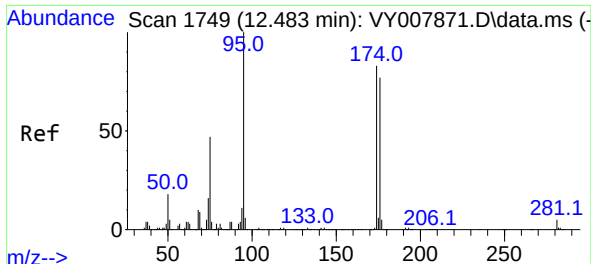
Tgt Ion: 78 Resp: 34639
Ion Ratio Lower Upper
78 100
77 21.6 20.4 30.6



#50
Toluene-d8
Concen: 58.353 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY007926.D
Acq: 19 Mar 2022 02:02

Tgt Ion: 98 Resp: 578663
Ion Ratio Lower Upper
98 100
100 65.0 50.2 75.2

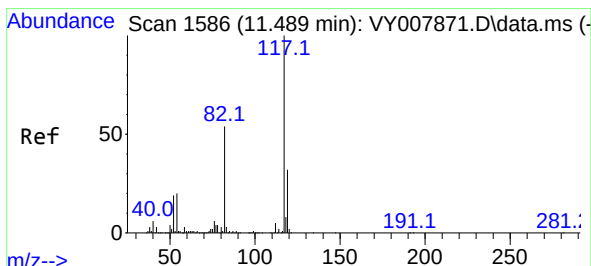
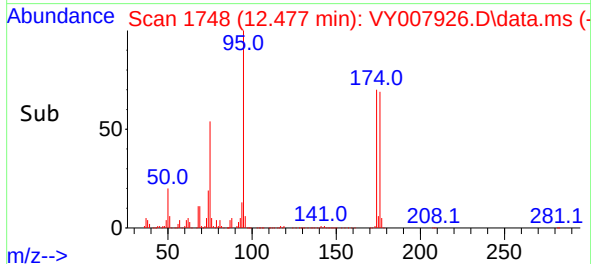
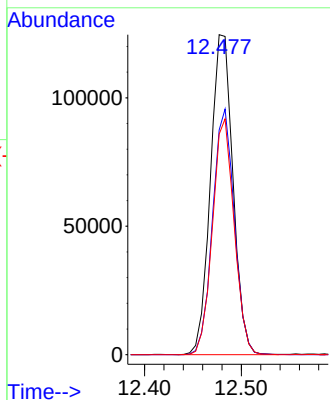
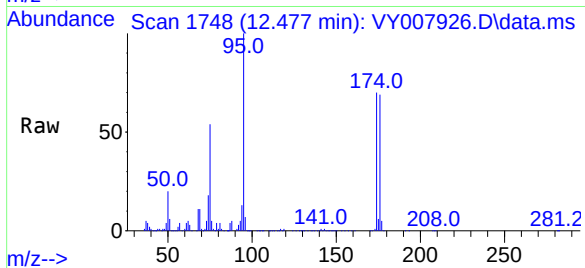




#62
4-Bromofluorobenzene
Concen: 42.013 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY007926.D
Acq: 19 Mar 2022 02:02

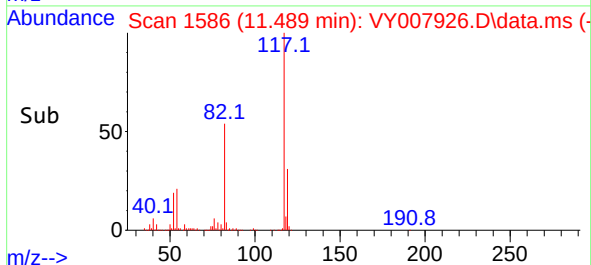
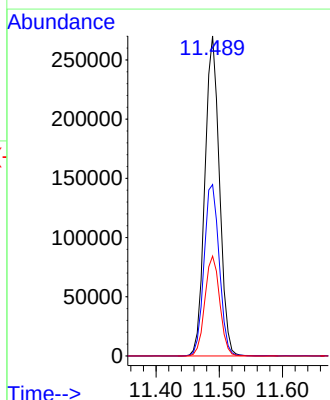
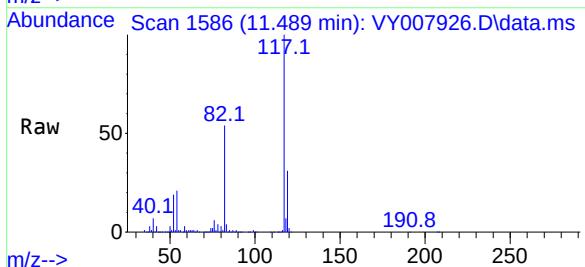
Instrument :
MSVOA_Y
ClientSampleId :
C-6-5-6

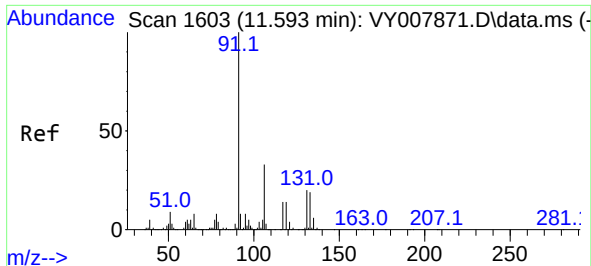
Tgt Ion: 95 Resp: 201413
Ion Ratio Lower Upper
95 100
174 74.0 0.0 177.0
176 70.9 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY007926.D
Acq: 19 Mar 2022 02:02

Tgt Ion: 117 Resp: 432435
Ion Ratio Lower Upper
117 100
82 53.6 43.0 64.4
119 31.2 25.4 38.0

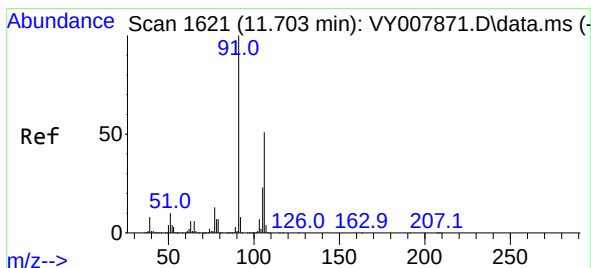
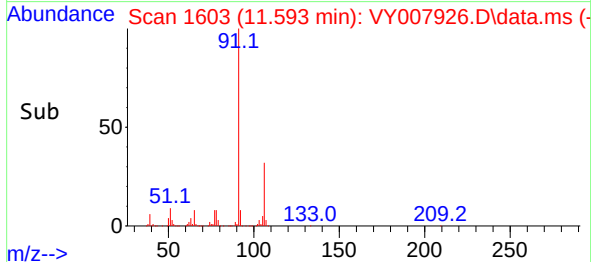
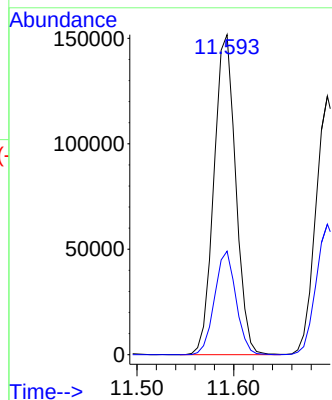
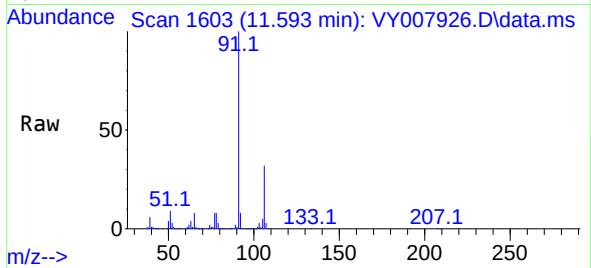




#67
Ethyl Benzene
Concen: 12.857 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY007926.D
Acq: 19 Mar 2022 02:02

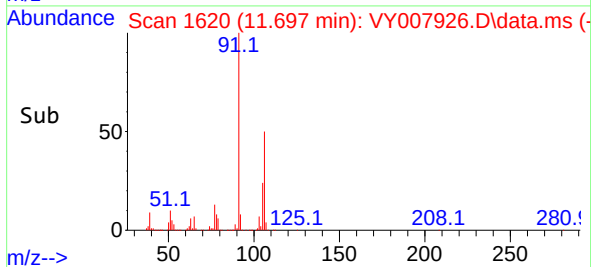
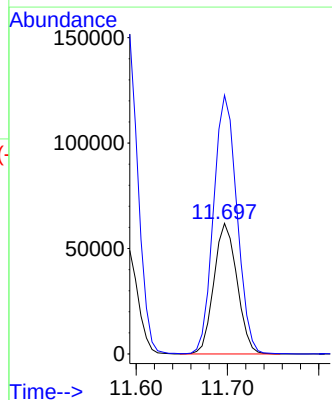
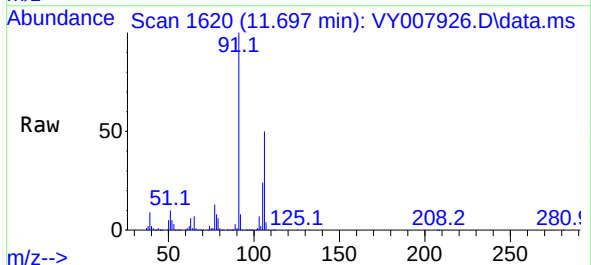
Instrument :
MSVOA_Y
ClientSampleId :
C-6-5-6

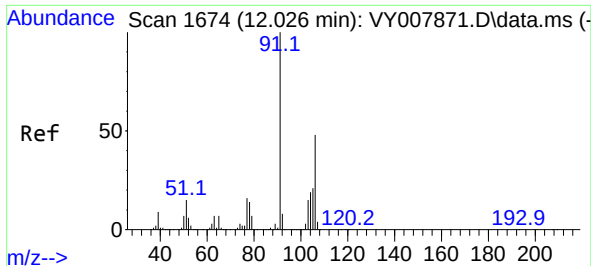
Tgt Ion: 91 Resp: 237248
Ion Ratio Lower Upper
91 100
106 32.4 24.5 36.7



#68
m/p-Xylenes
Concen: 15.133 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY007926.D
Acq: 19 Mar 2022 02:02

Tgt Ion: 106 Resp: 108926
Ion Ratio Lower Upper
106 100
91 200.5 166.6 249.8

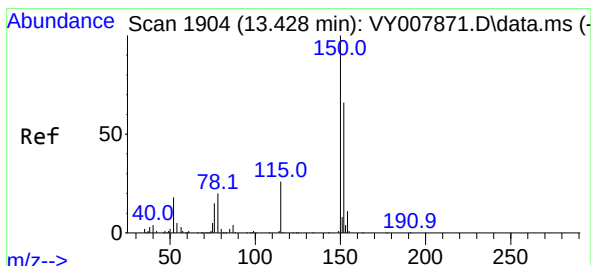
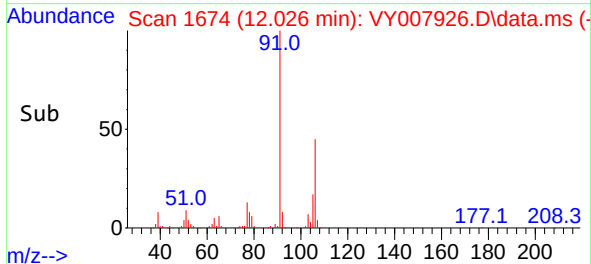
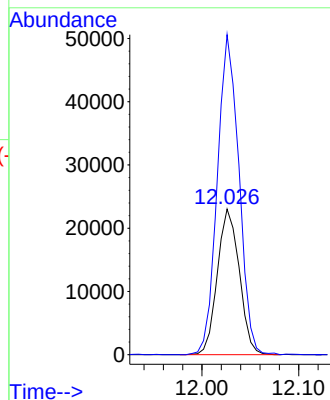
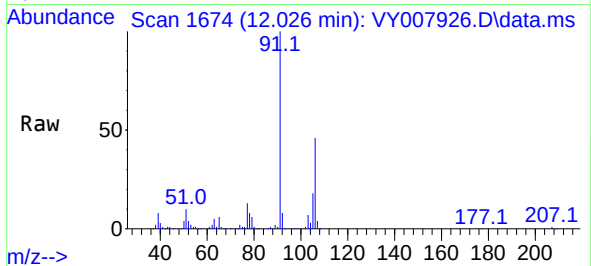




#69
o-Xylene
Concen: 5.203 ug/l
RT: 12.026 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY007926.D
Acq: 19 Mar 2022 02:02

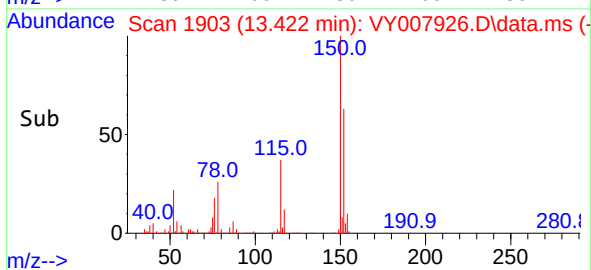
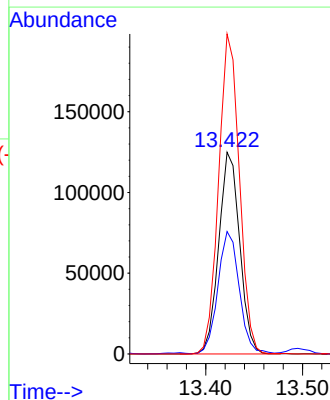
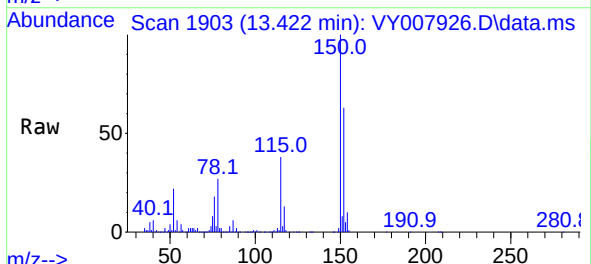
Instrument :
MSVOA_Y
ClientSampleId :
C-6-5-6

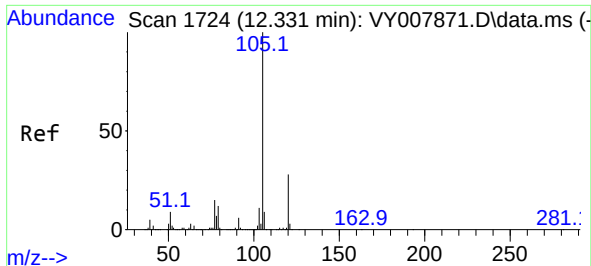
Tgt Ion:106 Resp: 36225
Ion Ratio Lower Upper
106 100
91 216.7 110.3 331.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY007926.D
Acq: 19 Mar 2022 02:02

Tgt Ion:152 Resp: 187415
Ion Ratio Lower Upper
152 100
115 61.5 28.2 84.7
150 157.1 0.0 347.6

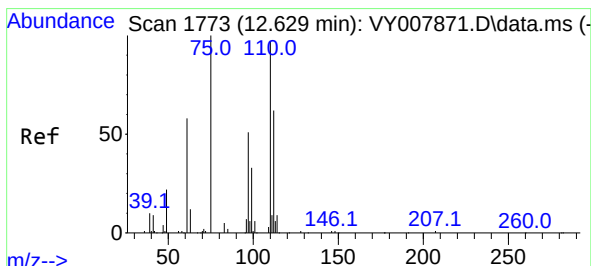
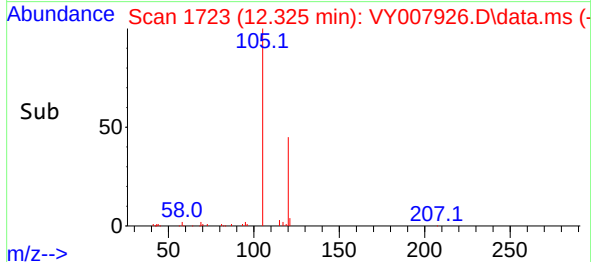
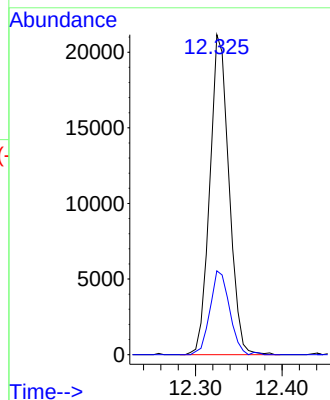
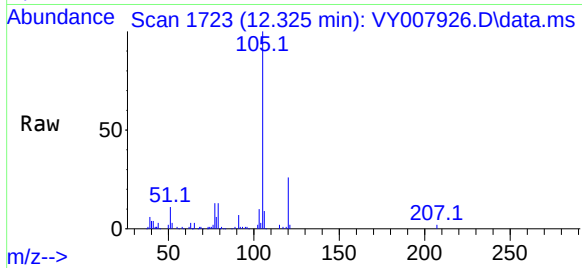




#73
Isopropylbenzene
Concen: 1.971 ug/l
RT: 12.325 min Scan# 1723
Delta R.T. -0.006 min
Lab File: VY007926.D
Acq: 19 Mar 2022 02:02

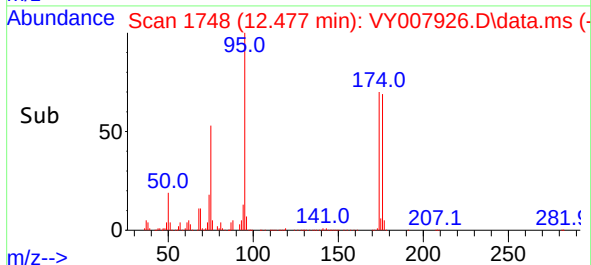
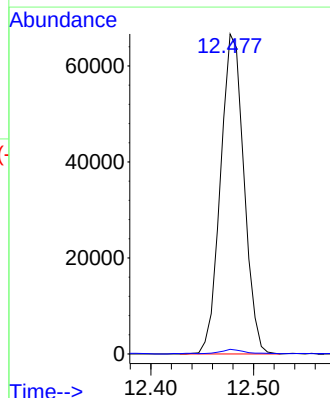
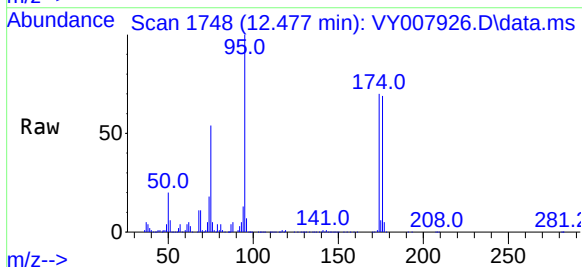
Instrument :
MSVOA_Y
ClientSampleId :
C-6-5-6

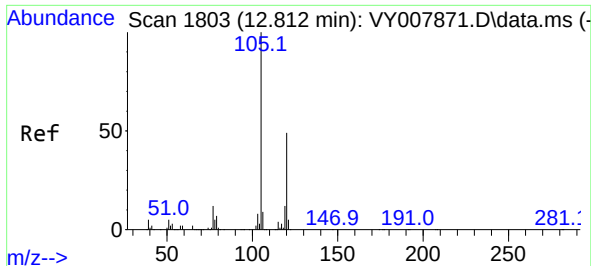
Tgt Ion:105 Resp: 32515
Ion Ratio Lower Upper
105 100
120 26.8 13.4 40.2



#76
1,2,3-Trichloropropane
Concen: 39.511 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY007926.D
Acq: 19 Mar 2022 02:02

Tgt Ion: 75 Resp: 105545
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

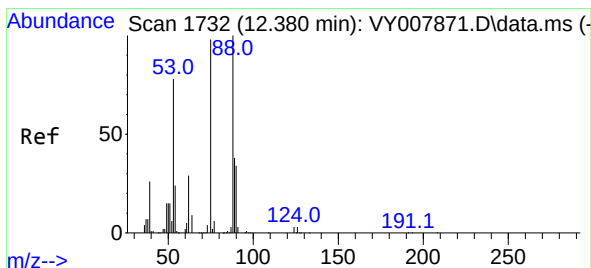
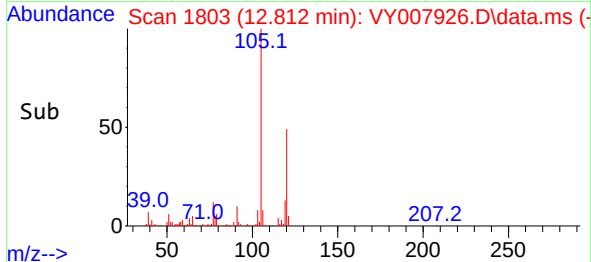
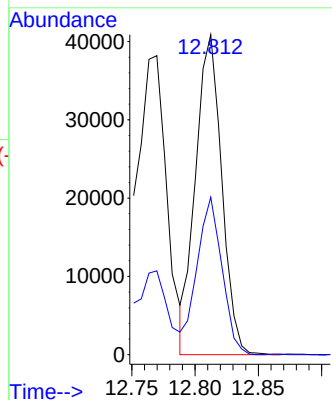
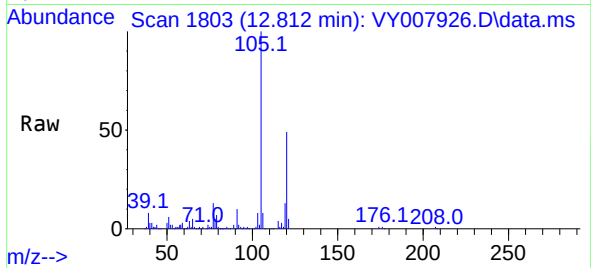




#80
1,3,5-Trimethylbenzene
Concen: 4.334 ug/l
RT: 12.812 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007926.D
Acq: 19 Mar 2022 02:02

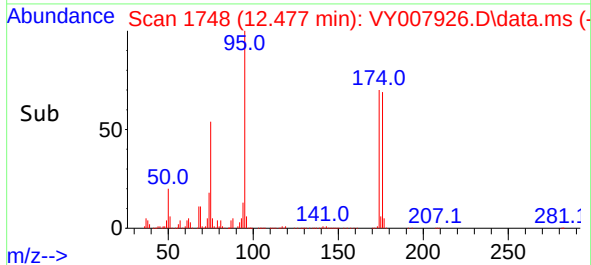
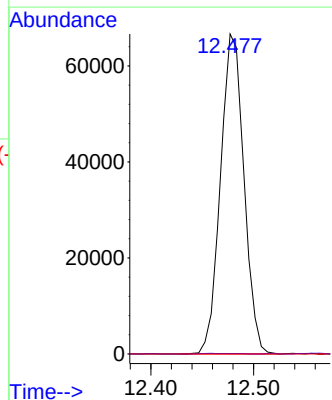
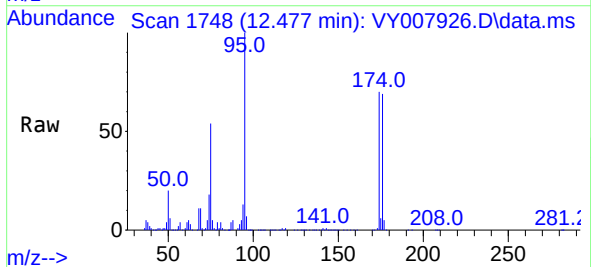
Instrument :
MSVOA_Y
ClientSampleId :
C-6-5-6

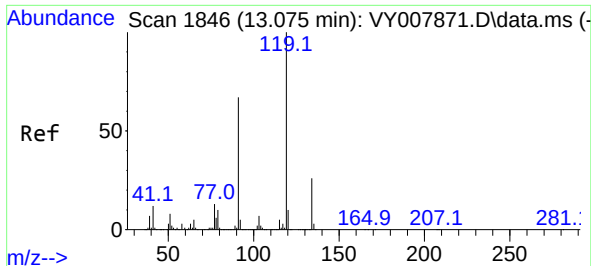
Tgt Ion:105 Resp: 58797
Ion Ratio Lower Upper
105 100
120 47.1 24.4 73.4



#81
trans-1,4-Dichloro-2-butene
Concen: 82.989 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY007926.D
Acq: 19 Mar 2022 02:02

Tgt Ion: 75 Resp: 105545
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 0.0 37.0 55.4#

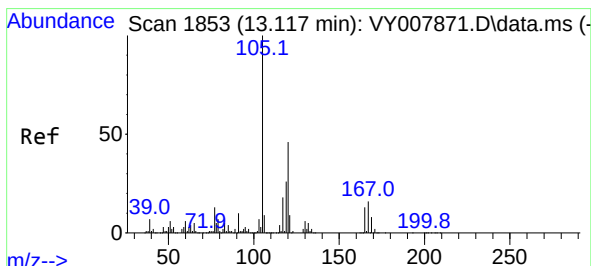
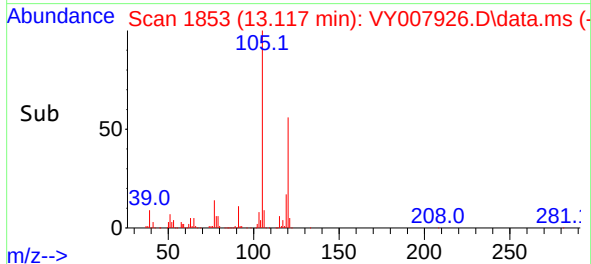
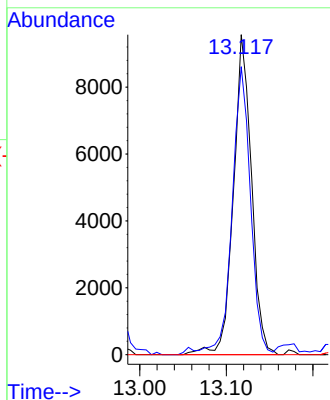
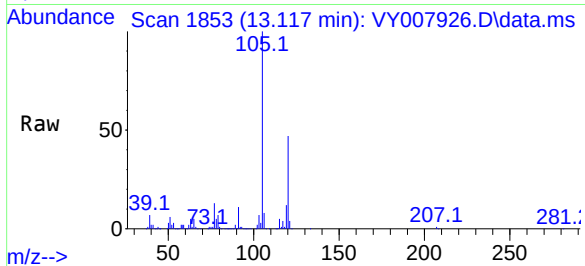




#83
tert-Butylbenzene
Concen: 1.142 ug/l
RT: 13.117 min Scan# 1846
Delta R.T. 0.043 min
Lab File: VY007926.D
Acq: 19 Mar 2022 02:02

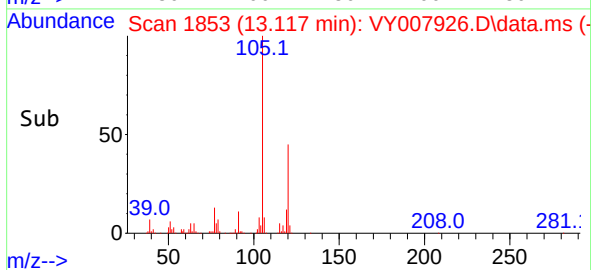
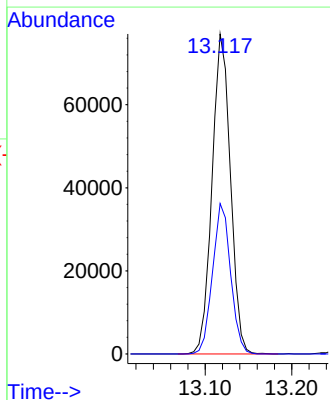
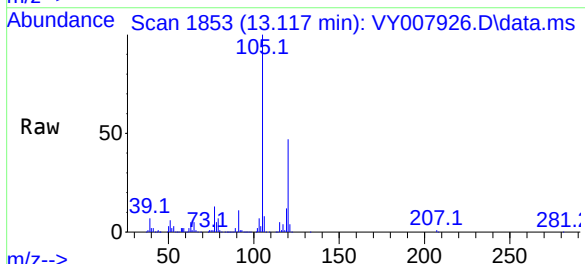
Instrument :
MSVOA_Y
ClientSampleId :
C-6-5-6

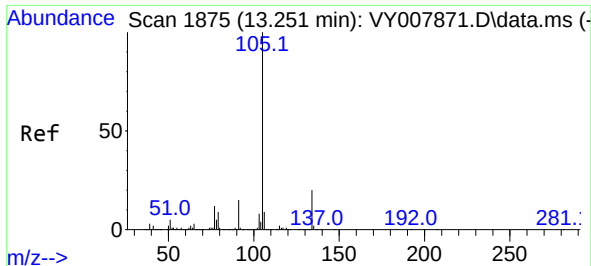
Tgt Ion:119 Resp: 13860
Ion Ratio Lower Upper
119 100
91 88.4 34.8 104.4
134 0.0 13.3 39.9#



#84
1,2,4-Trimethylbenzene
Concen: 8.529 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.006 min
Lab File: VY007926.D
Acq: 19 Mar 2022 02:02

Tgt Ion:105 Resp: 113427
Ion Ratio Lower Upper
105 100
120 46.2 22.3 66.9

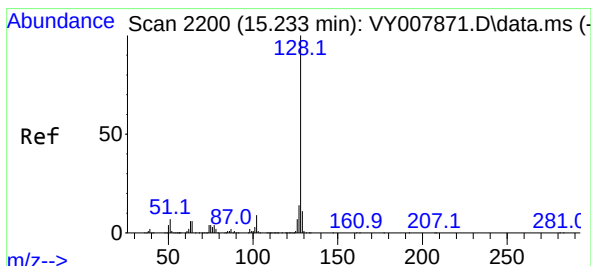
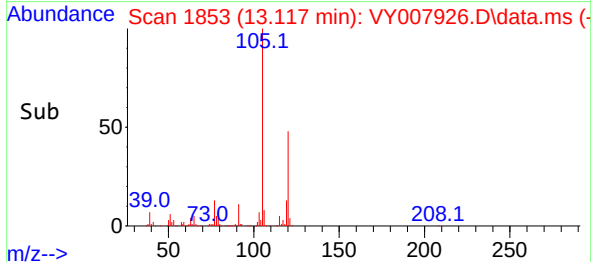
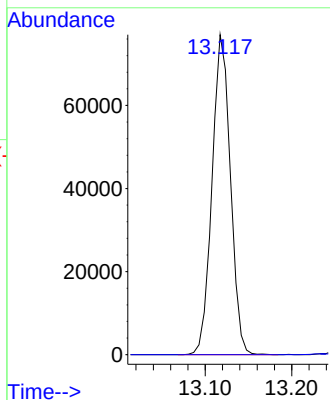
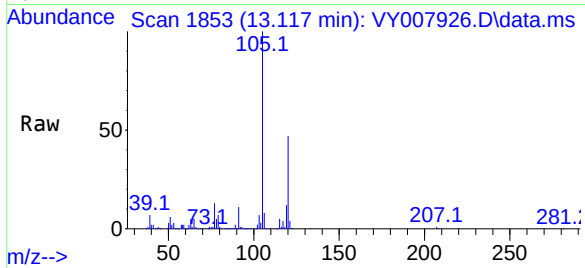




#85
 sec-Butylbenzene
 Concen: 6.234 ug/l
 RT: 13.117 min Scan# 1853
 Delta R.T. -0.134 min
 Lab File: VY007926.D
 Acq: 19 Mar 2022 02:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 C-6-5-6

Tgt Ion:105 Resp: 113427
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.4#



#95
 Naphthalene
 Concen: 24.704 ug/l
 RT: 15.233 min Scan# 2200
 Delta R.T. -0.006 min
 Lab File: VY007926.D
 Acq: 19 Mar 2022 02:02

Tgt Ion:128 Resp: 230734
 Ion Ratio Lower Upper
 128 100
 127 12.7 11.0 16.4
 129 11.2 8.4 12.6

