

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031822\
 Data File : VY007929.D
 Acq On : 19 Mar 2022 03:13
 Operator : SY/MD
 Sample : N1958-09
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C-9-8-9

Quant Time: Mar 21 03:19:19 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	7.795	168	52911	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	94901	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	83052	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	32467	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	32651	54.122	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.240%	
35) Dibromofluoromethane	7.716	113	29031	43.558	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 87.120%	
50) Toluene-d8	10.179	98	112800	56.862	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 113.720%	
62) 4-Bromofluorobenzene	12.483	95	36800	38.472	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 76.940%	

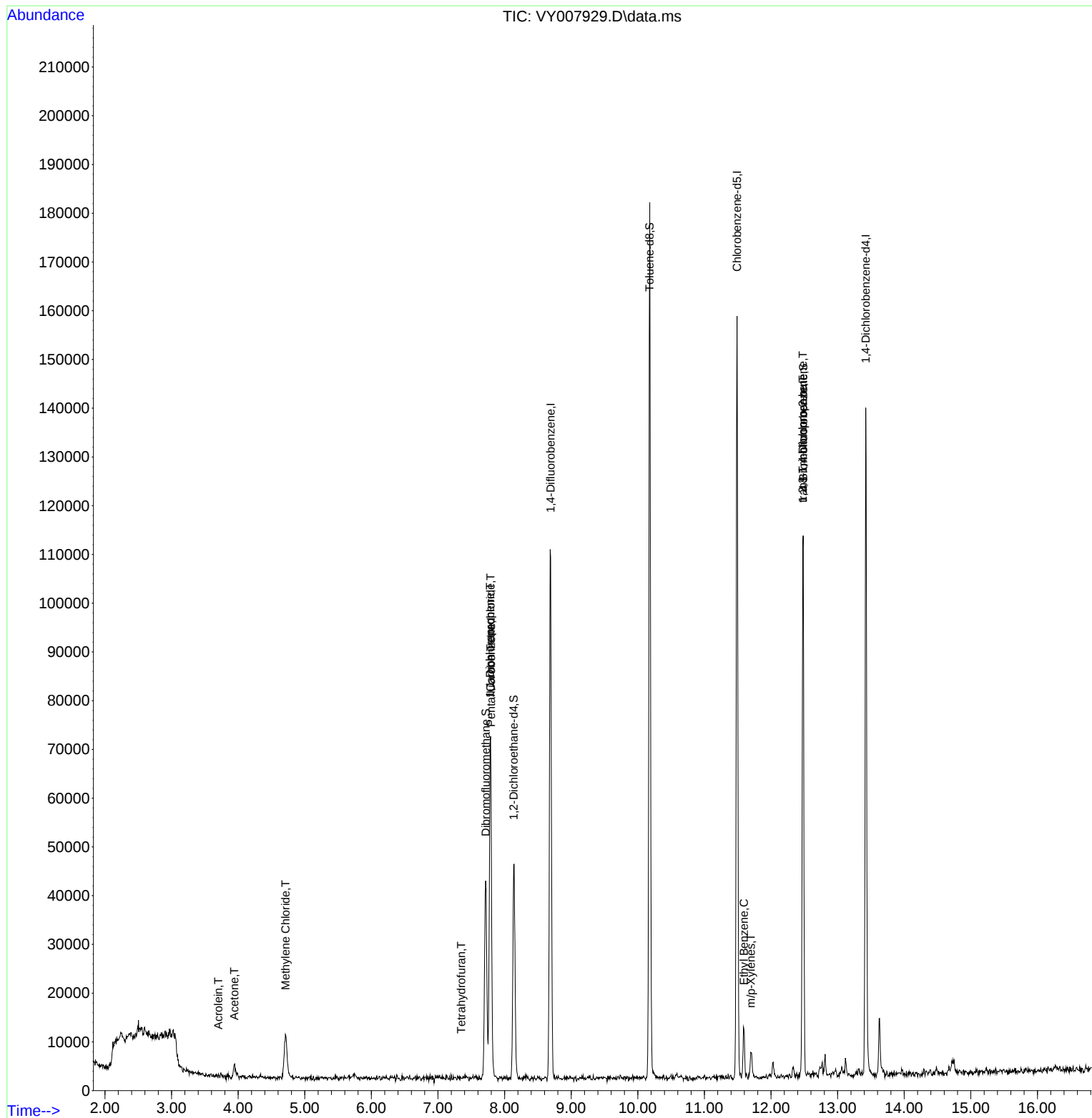
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.131	85	61	Below Cal	#	43
3) Chloromethane	2.113	50	361	Below Cal		97
4) Vinyl Chloride	2.247	62	254	Below Cal	#	43
5) Bromomethane	2.668	94	497	Below Cal		84
13) Acrolein	3.704	56	71	1.677	ug/l #	51
16) Acetone	3.942	43	3917	24.475	ug/l #	71
17) Carbon Disulfide	4.180	76	79	Below Cal	#	75
18) Methyl Acetate	4.491	43	207	Below Cal	#	56
20) Methylene Chloride	4.710	84	6596	6.615	ug/l #	80
29) Tetrahydrofuran	7.350	42	190	1.157	ug/l #	38
31) Cyclohexane	7.789	56	1502	Below Cal	#	37
36) 1,1-Dichloropropene	7.783	75	4589	4.642	ug/l #	50
38) Carbon Tetrachloride	7.789	117	5590	5.292	ug/l #	15
67) Ethyl Benzene	11.593	91	7477	2.110	ug/l	96
68) m/p-Xylenes	11.697	106	1884	1.363	ug/l	90
76) 1,2,3-Trichloropropane	12.477	75	19524	42.190	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	19524	88.616	ug/l #	7

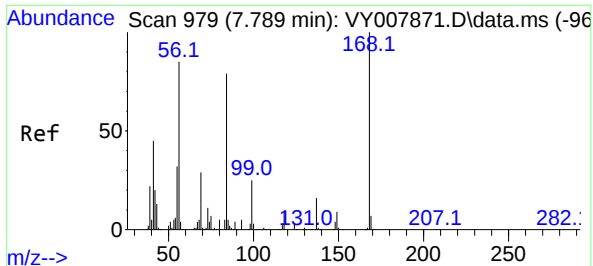
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 21 03:19:19 2022
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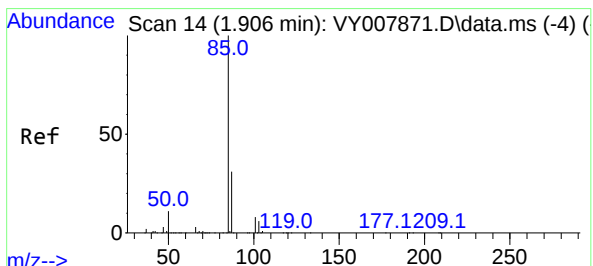
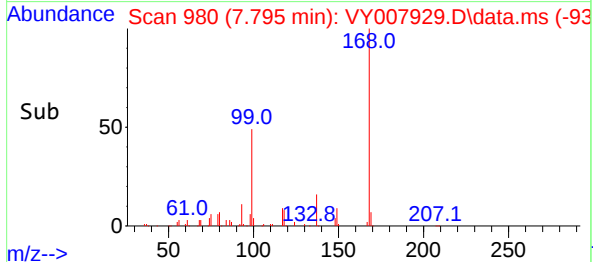
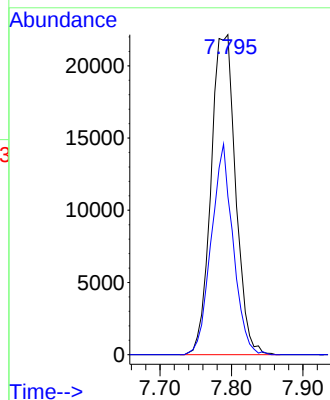
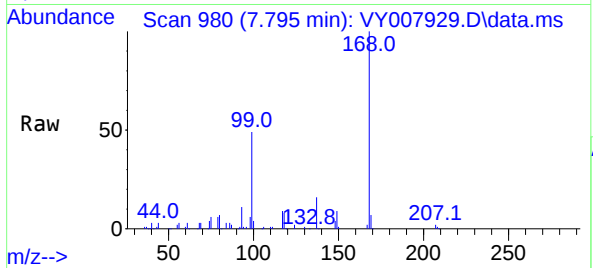




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007929.D
Acq: 19 Mar 2022 03:13

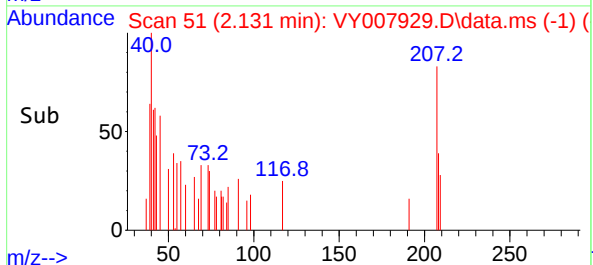
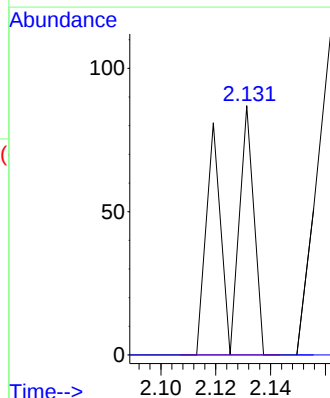
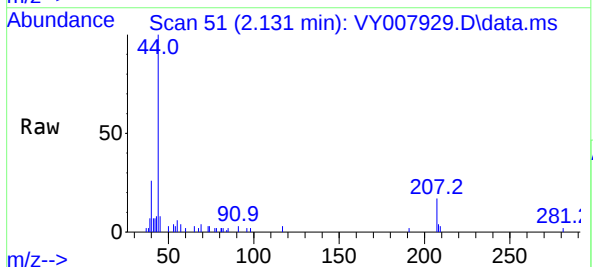
Instrument :
MSVOA_Y
ClientSampleId :
C-9-8-9

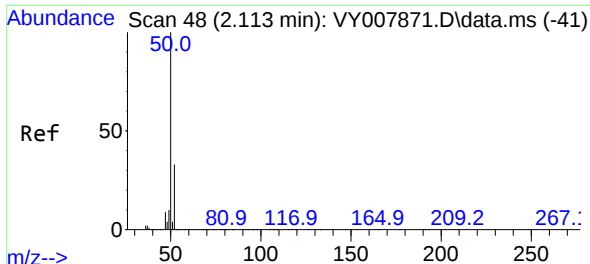
Tgt Ion:168 Resp: 52911
Ion Ratio Lower Upper
168 100
99 49.5 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 2.131 min Scan# 51
Delta R.T. 0.225 min
Lab File: VY007929.D
Acq: 19 Mar 2022 03:13

Tgt Ion: 85 Resp: 61
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

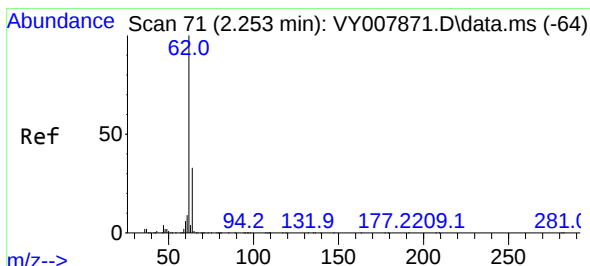
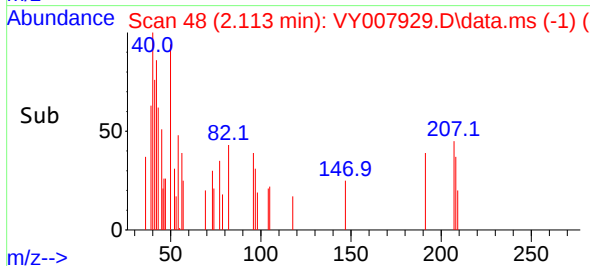
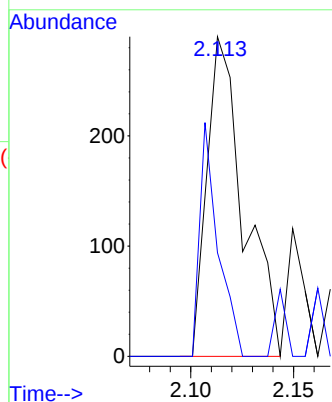
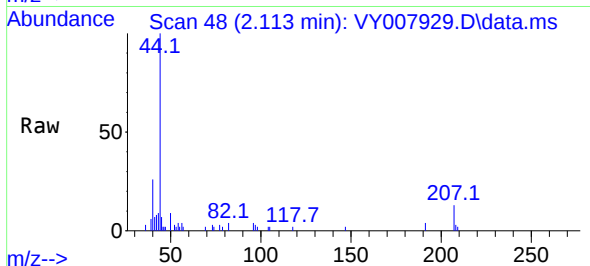




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY007929.D
Acq: 19 Mar 2022 03:13

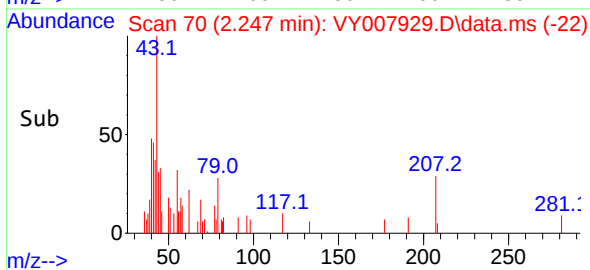
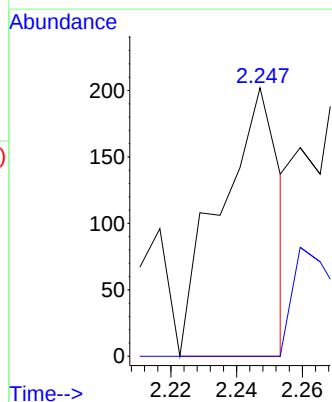
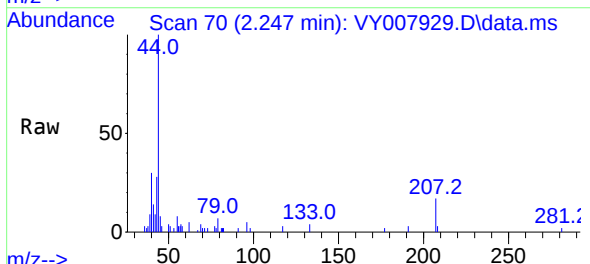
Instrument :
MSVOA_Y
ClientSampleId :
C-9-8-9

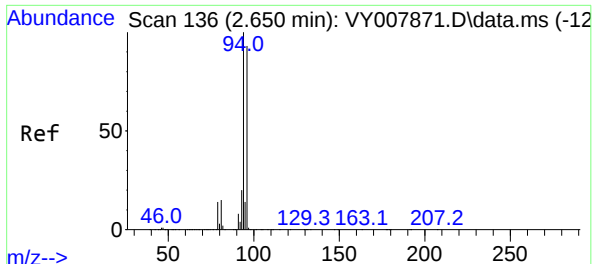
Tgt Ion: 50 Resp: 361
Ion Ratio Lower Upper
50 100
52 32.4 24.6 37.0



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.247 min Scan# 70
Delta R.T. -0.006 min
Lab File: VY007929.D
Acq: 19 Mar 2022 03:13

Tgt Ion: 62 Resp: 254
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

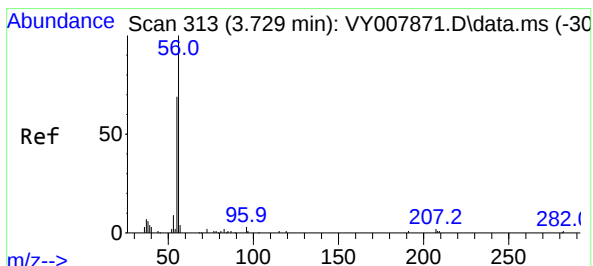
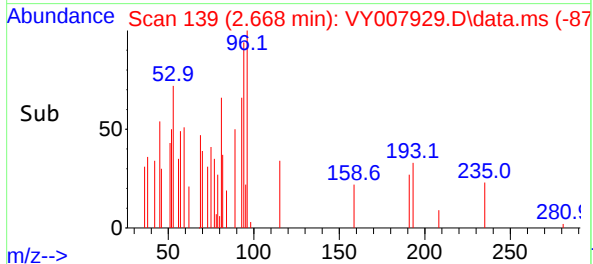
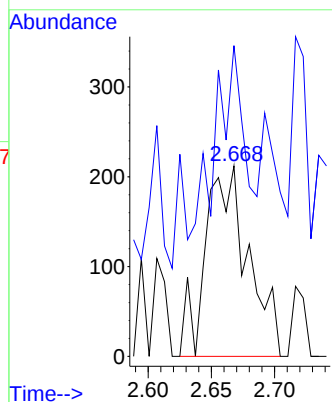
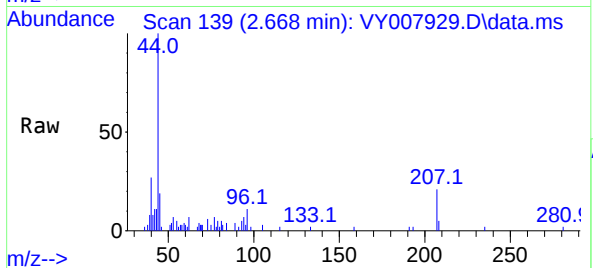




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY007929.D
Acq: 19 Mar 2022 03:13

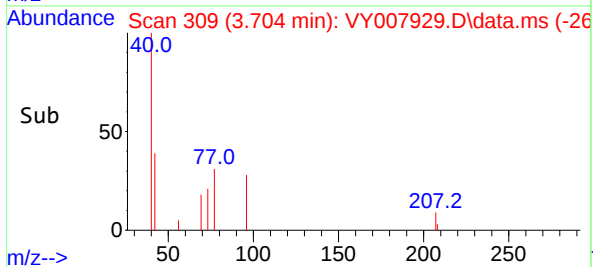
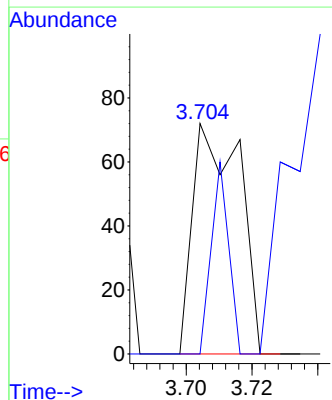
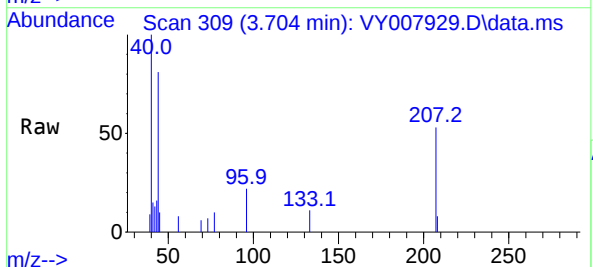
Instrument :
MSVOA_Y
ClientSampleId :
C-9-8-9

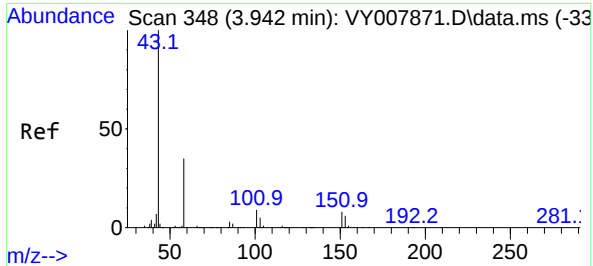
Tgt Ion: 94 Resp: 497
Ion Ratio Lower Upper
94 100
96 76.9 73.5 110.3



#13
Acrolein
Concen: 1.677 ug/l
RT: 3.704 min Scan# 309
Delta R.T. -0.025 min
Lab File: VY007929.D
Acq: 19 Mar 2022 03:13

Tgt Ion: 56 Resp: 71
Ion Ratio Lower Upper
56 100
55 31.0 57.6 86.4#

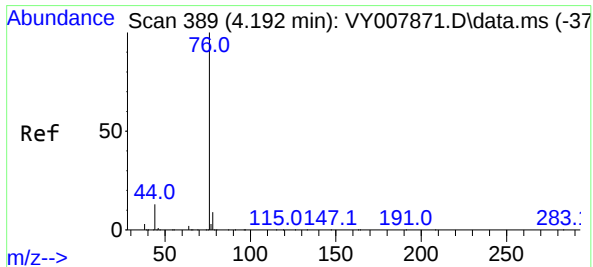
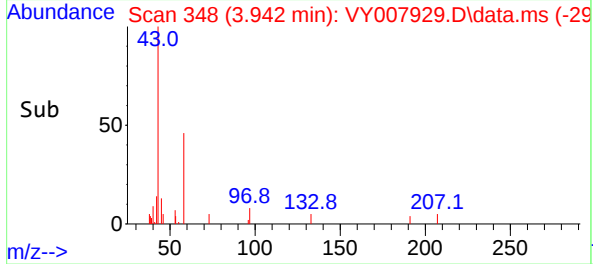
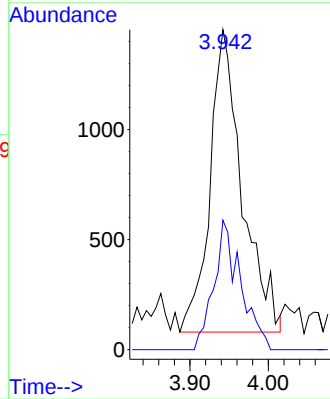
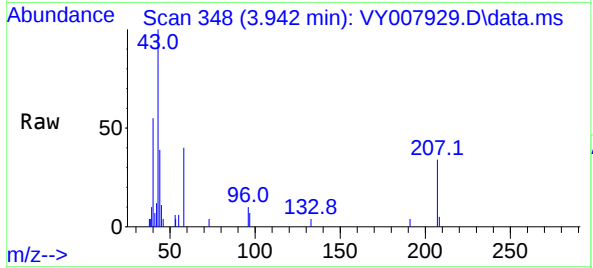




#16
Acetone
Concen: 24.475 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY007929.D
Acq: 19 Mar 2022 03:13

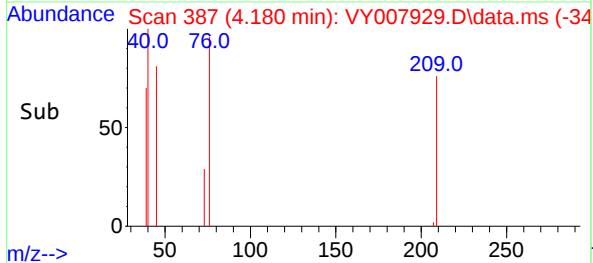
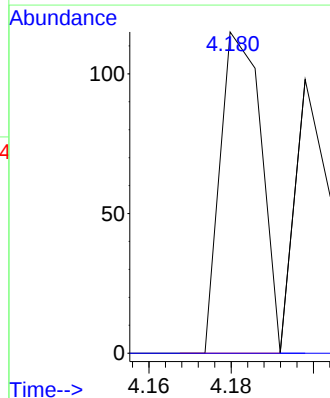
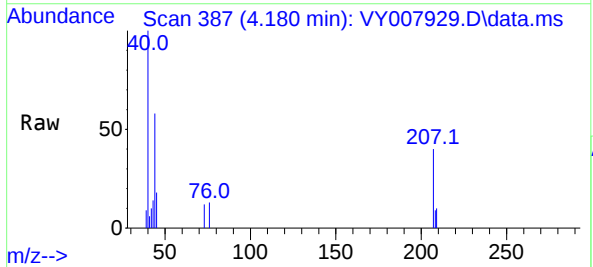
Instrument :
MSVOA_Y
ClientSampleId :
C-9-8-9

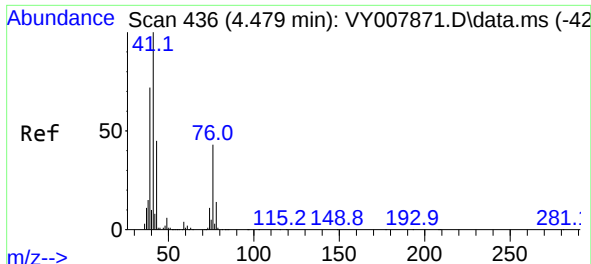
Tgt Ion: 43 Resp: 3917
Ion Ratio Lower Upper
43 100
58 42.8 22.0 33.0#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.180 min Scan# 387
Delta R.T. -0.012 min
Lab File: VY007929.D
Acq: 19 Mar 2022 03:13

Tgt Ion: 76 Resp: 79
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

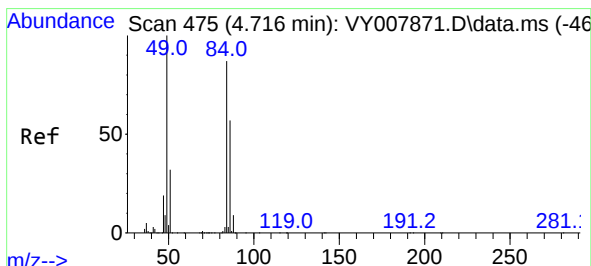
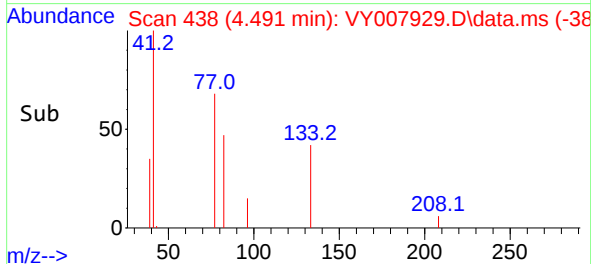
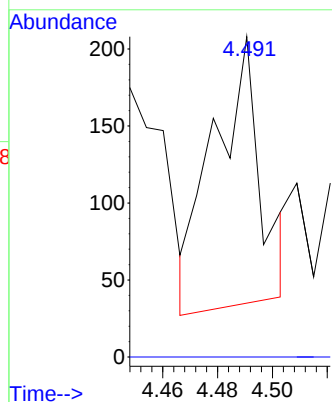
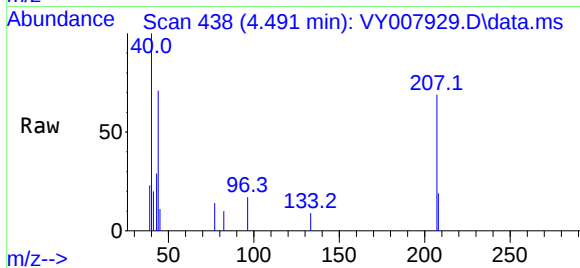




#18
Methyl Acetate
Concen: Below Cal
RT: 4.491 min Scan# 41
Delta R.T. 0.018 min
Lab File: VY007929.D
Acq: 19 Mar 2022 03:13

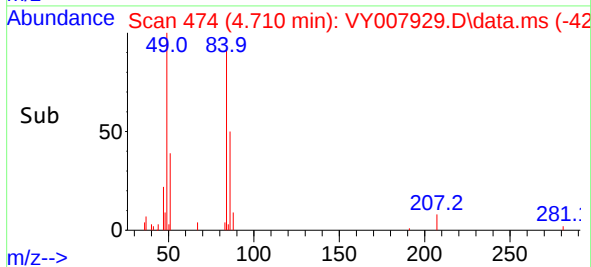
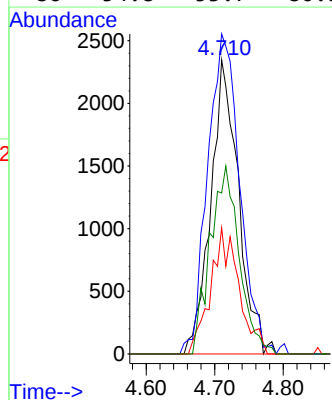
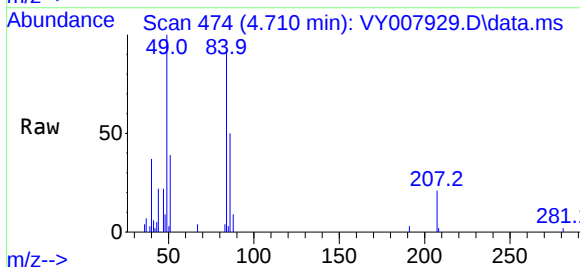
Instrument :
MSVOA_Y
ClientSampleId :
C-9-8-9

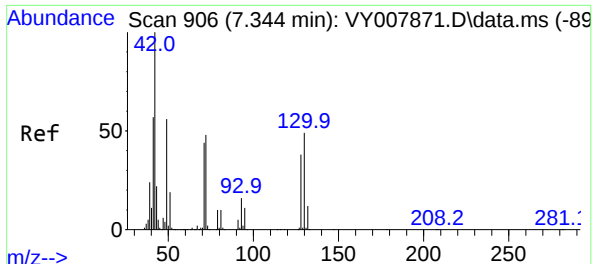
Tgt Ion: 43 Resp: 207
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 6.615 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY007929.D
Acq: 19 Mar 2022 03:13

Tgt Ion: 84 Resp: 6596
Ion Ratio Lower Upper
84 100
49 108.8 114.4 171.6#
51 42.9 35.3 52.9
86 54.8 53.7 80.5

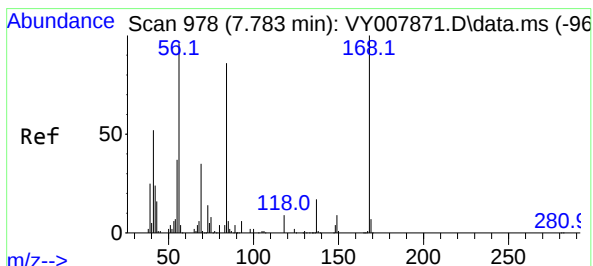
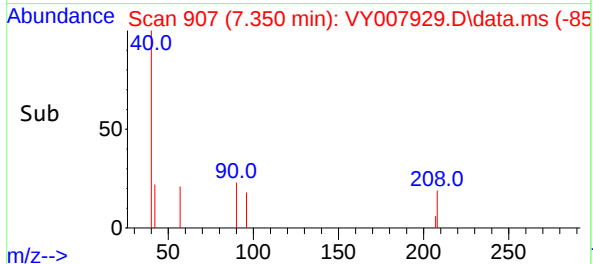
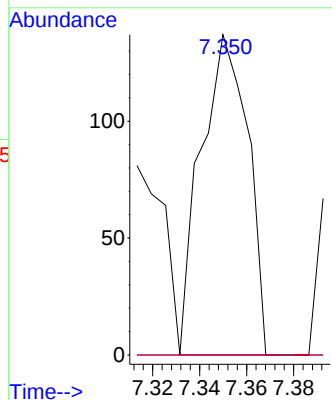
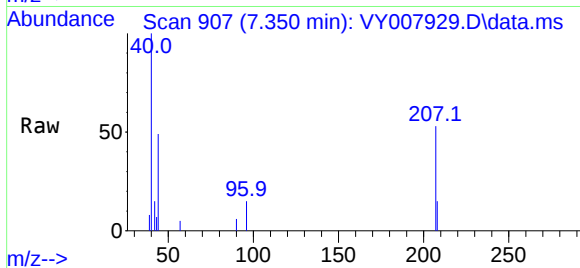




#29
Tetrahydrofuran
Concen: 1.157 ug/l
RT: 7.350 min Scan# 906
Delta R.T. 0.006 min
Lab File: VY007929.D
Acq: 19 Mar 2022 03:13

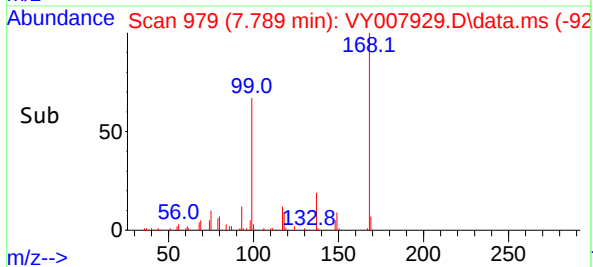
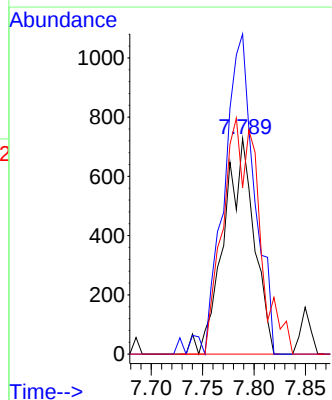
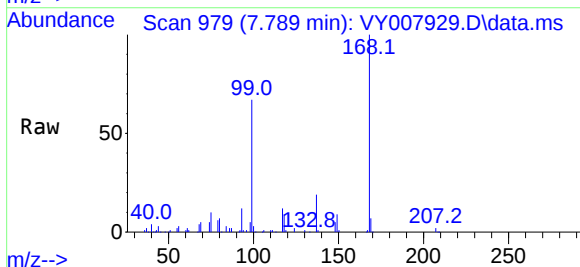
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C-9-8-9

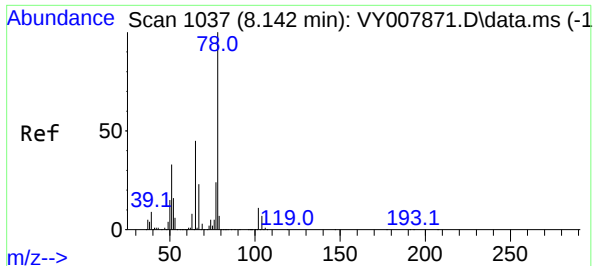
Tgt Ion:	42	Resp:	190
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.3	45.5#
71	0.0	29.0	43.4#



#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY007929.D
Acq: 19 Mar 2022 03:13

Tgt Ion:	56	Resp:	1502
Ion	Ratio	Lower	Upper
56	100		
69	148.5	26.7	40.1#
84	77.2	67.2	100.8





#33

1,2-Dichloroethane-d4

Concen: 54.122 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY007929.D

Acq: 19 Mar 2022 03:13

Instrument :

MSVOA_Y

ClientSampleId :

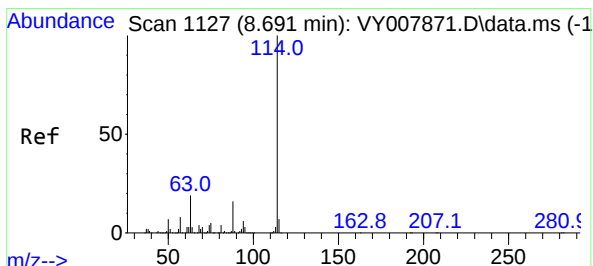
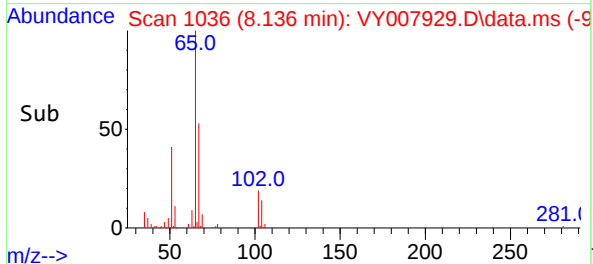
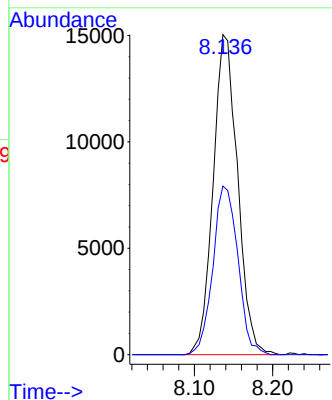
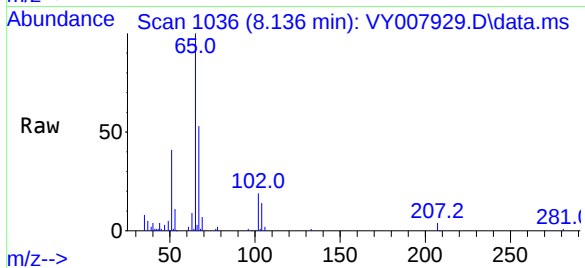
C-9-8-9

Tgt Ion: 65 Resp: 32651

Ion Ratio Lower Upper

65 100

67 53.8 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY007929.D

Acq: 19 Mar 2022 03:13

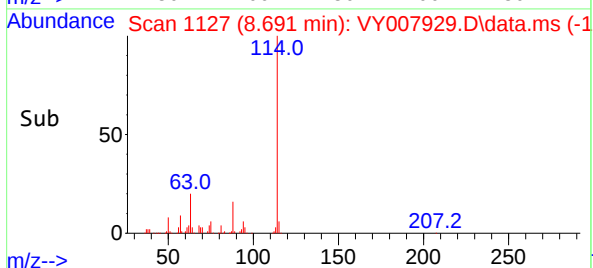
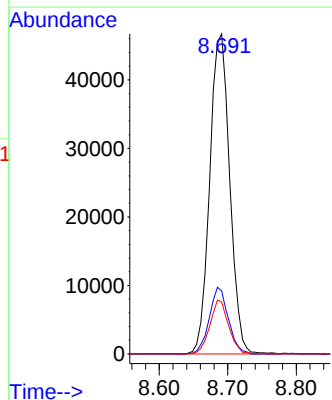
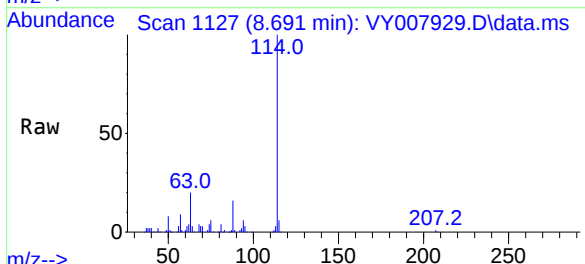
Tgt Ion:114 Resp: 94901

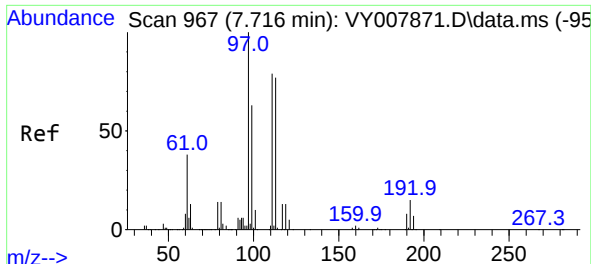
Ion Ratio Lower Upper

114 100

63 19.7 0.0 43.2

88 16.3 0.0 31.8

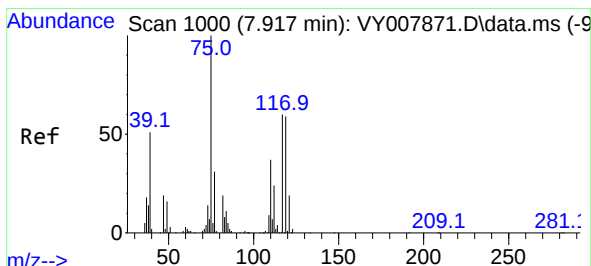
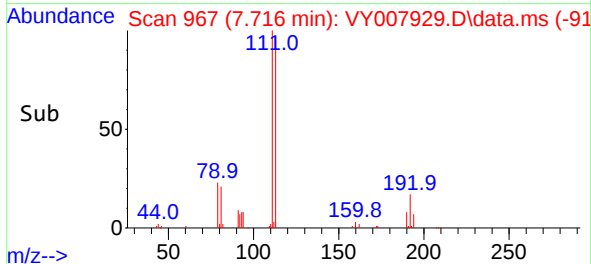
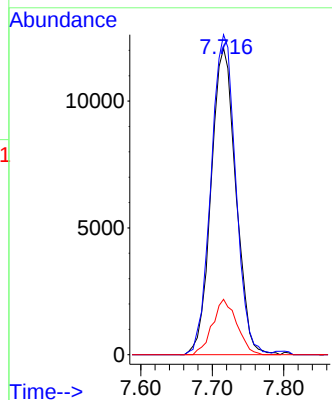
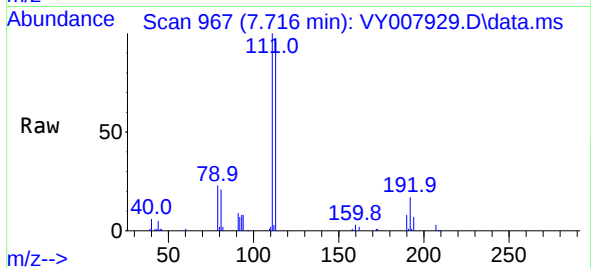




#35
Dibromofluoromethane
Concen: 43.558 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY007929.D
Acq: 19 Mar 2022 03:13

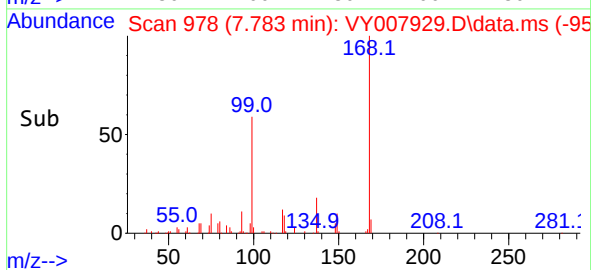
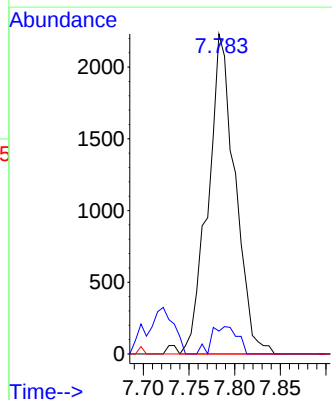
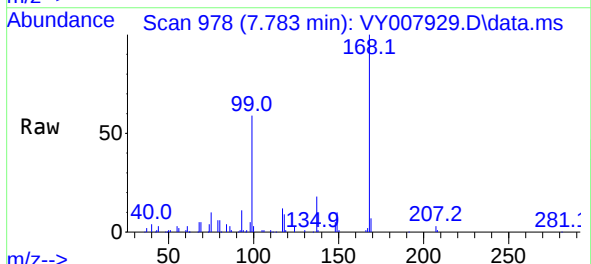
Instrument :
MSVOA_Y
ClientSampleId :
C-9-8-9

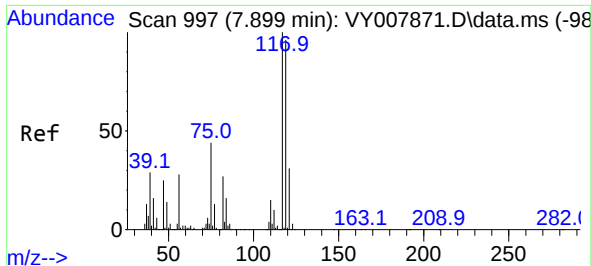
Tgt Ion:113 Resp: 29031
Ion Ratio Lower Upper
113 100
111 104.3 82.6 124.0
192 17.8 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.642 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY007929.D
Acq: 19 Mar 2022 03:13

Tgt Ion: 75 Resp: 4589
Ion Ratio Lower Upper
75 100
110 8.3 17.1 51.2#
77 0.0 24.4 36.6#

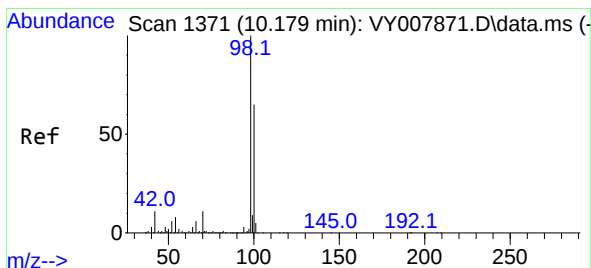
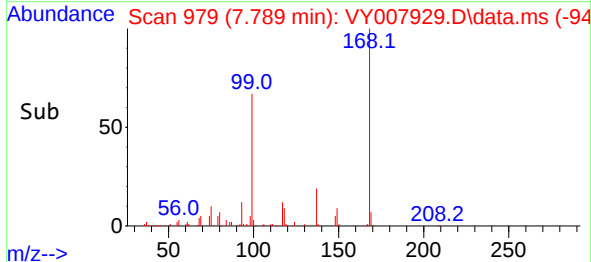
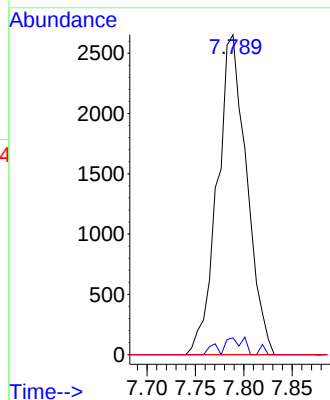
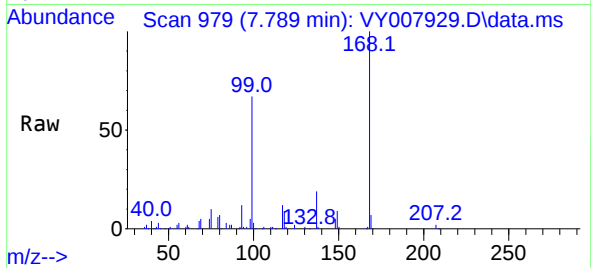




#38
Carbon Tetrachloride
Concen: 5.292 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY007929.D
Acq: 19 Mar 2022 03:13

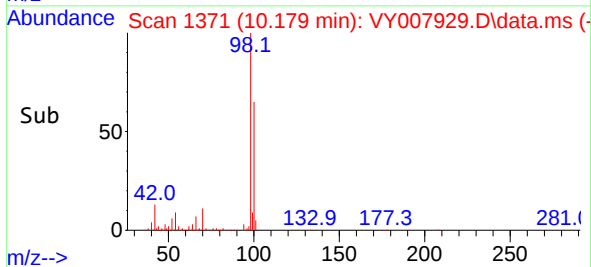
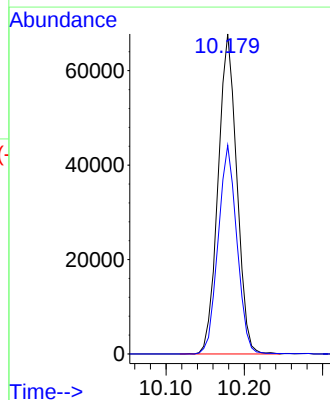
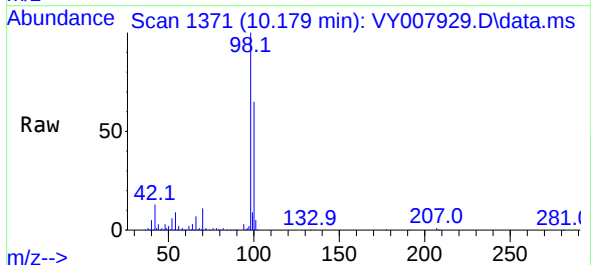
Instrument :
MSVOA_Y
ClientSampleId :
C-9-8-9

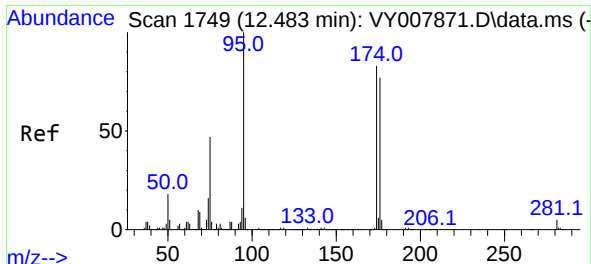
Tgt Ion:117 Resp: 5590
Ion Ratio Lower Upper
117 100
119 5.2 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 56.862 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY007929.D
Acq: 19 Mar 2022 03:13

Tgt Ion: 98 Resp: 112800
Ion Ratio Lower Upper
98 100
100 65.3 50.2 75.2

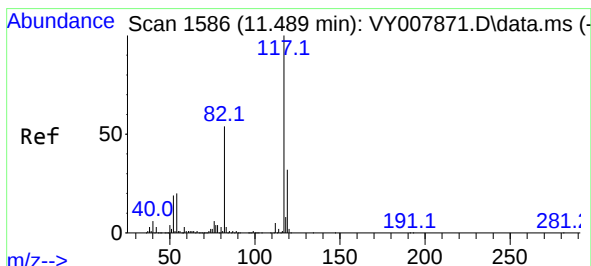
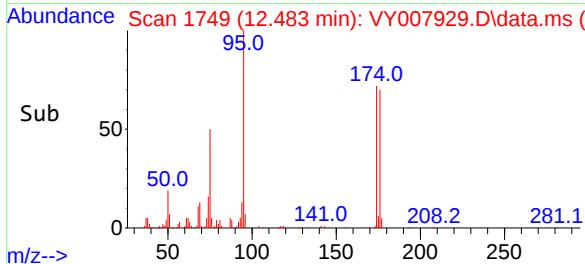
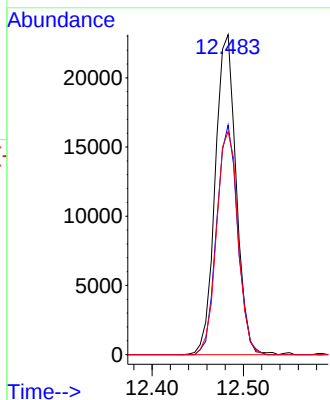
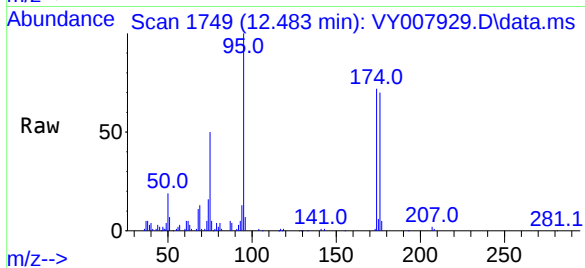




#62
4-Bromofluorobenzene
Concen: 38.472 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007929.D
Acq: 19 Mar 2022 03:13

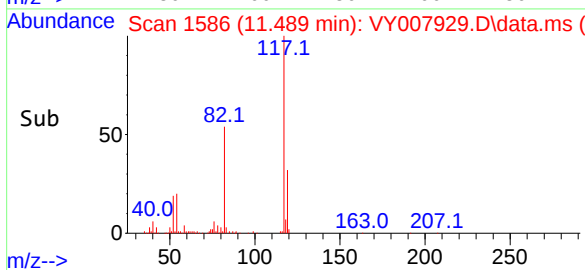
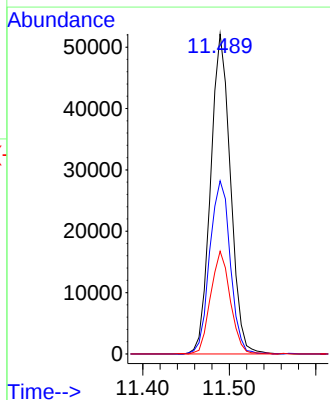
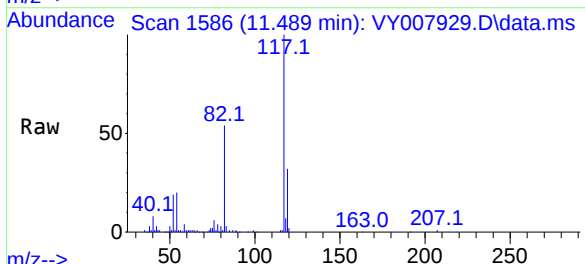
Instrument :
MSVOA_Y
ClientSampleId :
C-9-8-9

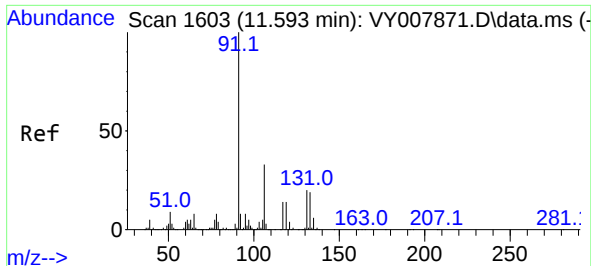
Tgt Ion: 95 Resp: 36800
Ion Ratio Lower Upper
95 100
174 72.1 0.0 177.0
176 71.6 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY007929.D
Acq: 19 Mar 2022 03:13

Tgt Ion: 117 Resp: 83052
Ion Ratio Lower Upper
117 100
82 54.1 43.0 64.4
119 32.1 25.4 38.0

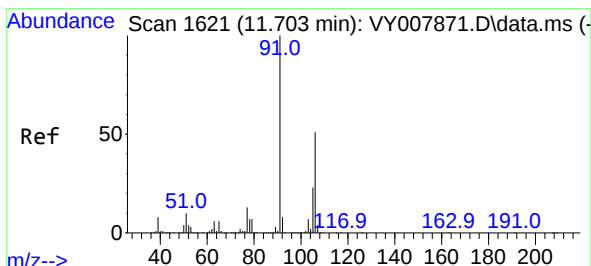
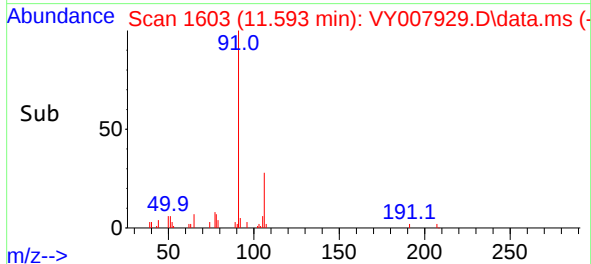
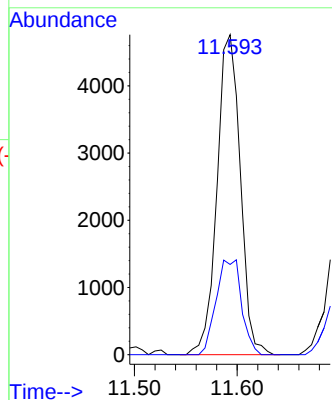
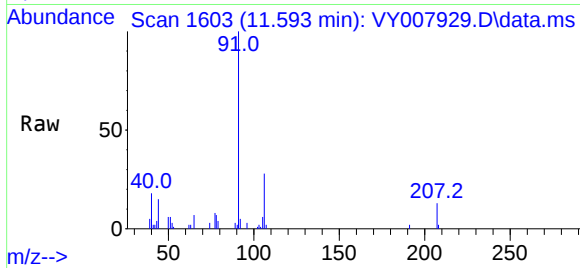




#67
Ethyl Benzene
Concen: 2.110 ug/l
RT: 11.593 min Scan# 1159
Delta R.T. -0.000 min
Lab File: VY007929.D
Acq: 19 Mar 2022 03:13

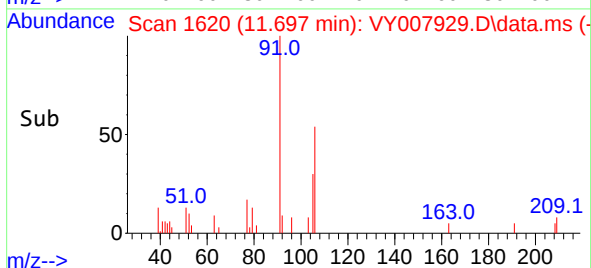
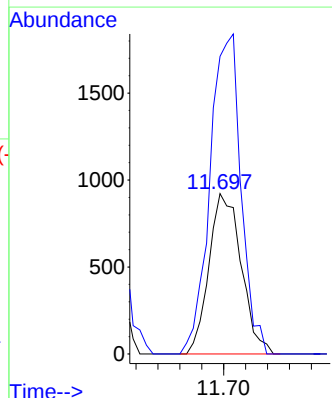
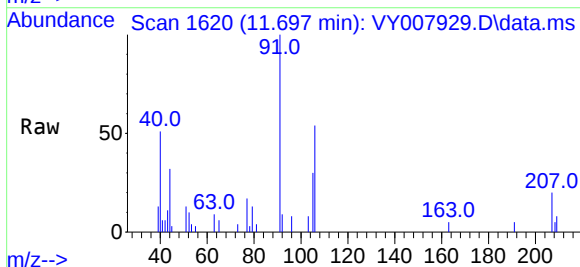
Instrument :
MSVOA_Y
ClientSampleId :
C-9-8-9

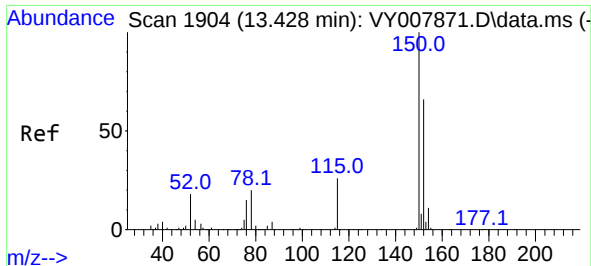
Tgt Ion: 91 Resp: 7477
Ion Ratio Lower Upper
91 100
106 28.2 24.5 36.7



#68
m/p-Xylenes
Concen: 1.363 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY007929.D
Acq: 19 Mar 2022 03:13

Tgt Ion: 106 Resp: 1884
Ion Ratio Lower Upper
106 100
91 191.9 166.6 249.8

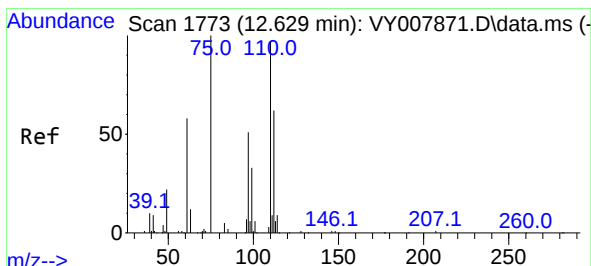
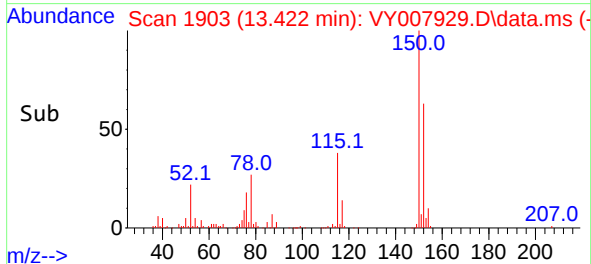
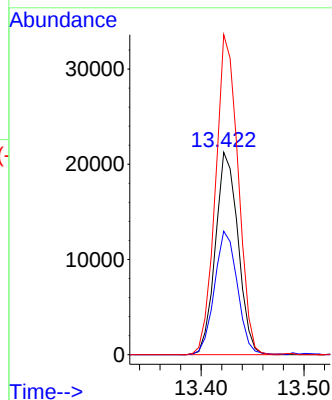
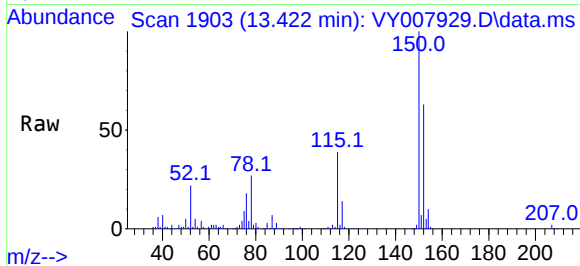




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY007929.D
Acq: 19 Mar 2022 03:13

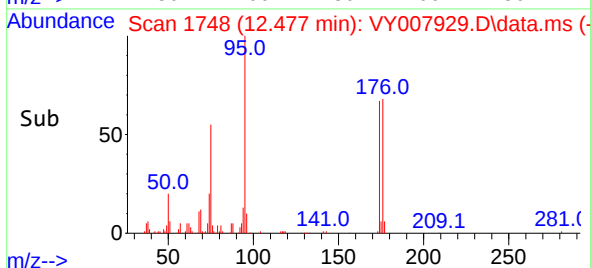
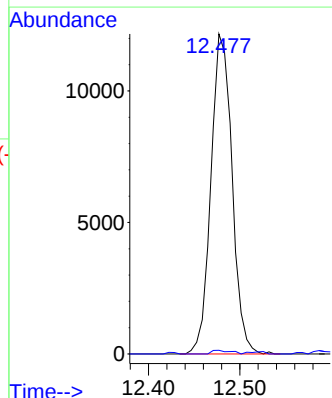
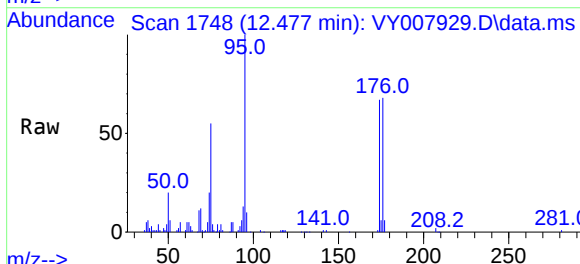
Instrument :
MSVOA_Y
ClientSampleId :
C-9-8-9

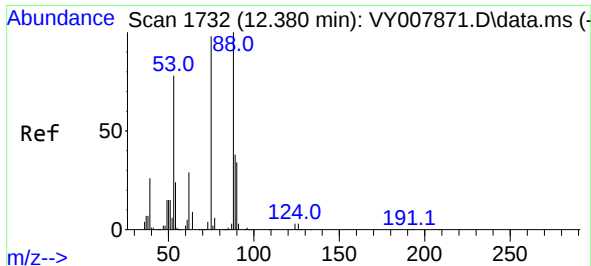
Tgt Ion:152 Resp: 32467
Ion Ratio Lower Upper
152 100
115 61.9 28.2 84.7
150 158.1 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 42.190 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY007929.D
Acq: 19 Mar 2022 03:13

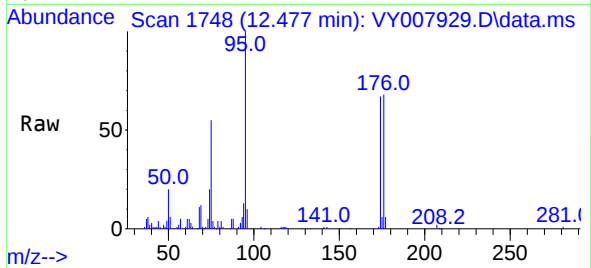
Tgt Ion: 75 Resp: 19524
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.616 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY007929.D
 Acq: 19 Mar 2022 03:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 C-9-8-9



Tgt Ion: 75 Resp: 19524
 Ion Ratio Lower Upper
 75 100
 53 0.3 85.3 127.9#
 89 0.0 37.0 55.4#

