

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032122\
 Data File : VY007950.D
 Acq On : 21 Mar 2022 13:28
 Operator : SY/MD
 Sample : N1875-09RE
 Misc : 5.70g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-10BRE

Quant Time: Mar 22 03:38:47 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)

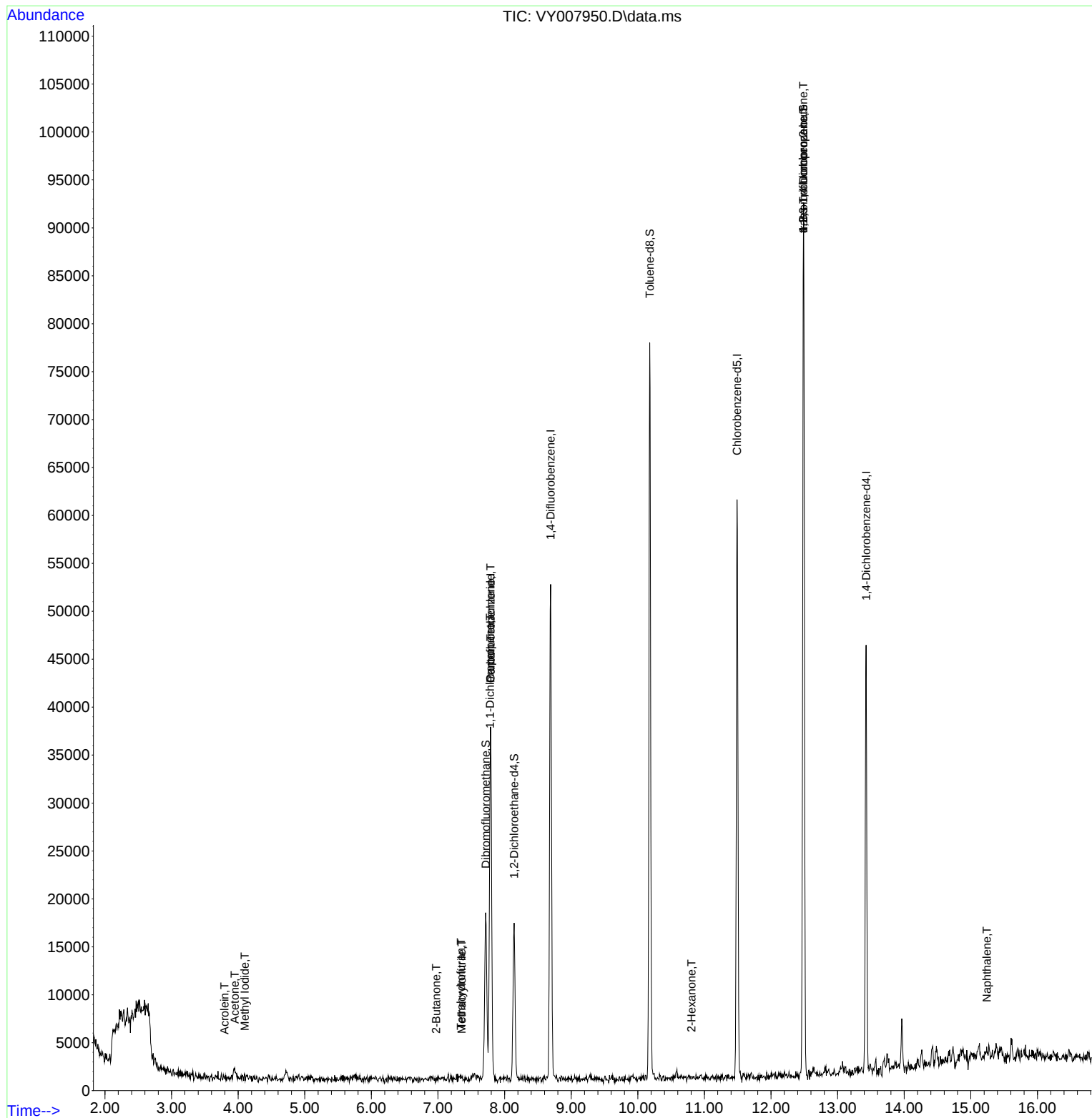
Internal Standards						
1) Pentafluorobenzene	7.789	168	27118	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	44109	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	32624	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	10343	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	12419	40.165	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	80.340%		
35) Dibromofluoromethane	7.716	113	12402	40.036	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	80.080%		
50) Toluene-d8	10.179	98	50578	54.628	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	109.260%		
62) 4-Bromofluorobenzene	12.483	95	14002	31.495	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	62.980%		
Target Compounds						Qvalue
3) Chloromethane	2.113	50	523	Below Cal		99
4) Vinyl Chloride	2.241	62	84	Below Cal	#	43
5) Bromomethane	2.656	94	695	Below Cal	#	74
10) Methyl Iodide	4.101	142	585	1.971 ug/l	#	77
13) Acrolein	3.796	56	41	1.890 ug/l	#	31
16) Acetone	3.948	43	2014	24.553 ug/l	#	61
18) Methyl Acetate	4.478	43	331	Below Cal	#	56
20) Methylene Chloride	4.716	84	548	Below Cal	#	95
25) 2-Butanone	6.972	43	178	1.355 ug/l	#	54
29) Tetrahydrofuran	7.344	42	223	2.649 ug/l	#	38
31) Cyclohexane	7.783	56	777	Below Cal	#	76
36) 1,1-Dichloropropene	7.783	75	2487	5.413 ug/l	#	43
38) Carbon Tetrachloride	7.789	117	2942	5.992 ug/l	#	11
39) Methylcyclohexane	9.051	83	20	Below Cal	#	16
41) Methacrylonitrile	7.356	41	301	1.741 ug/l	#	43
59) 2-Hexanone	10.807	43	296	1.454 ug/l	#	50
76) 1,2,3-Trichloropropane	12.483	75	7947	53.906 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	7947	113.225 ug/l	#	9
95) Naphthalene	15.239	128	649	1.259 ug/l	#	88

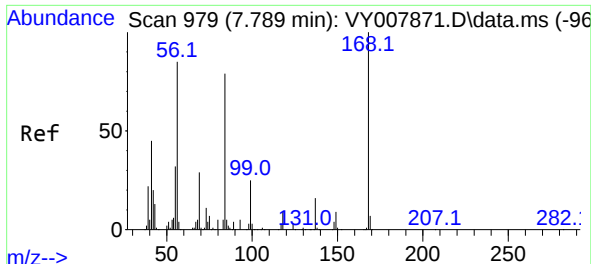
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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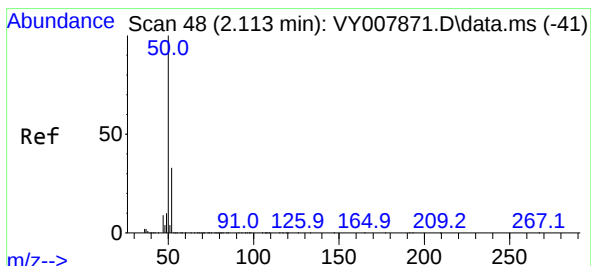
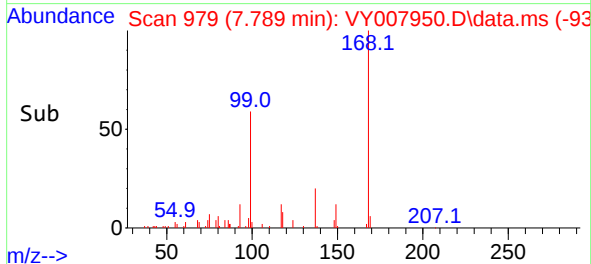
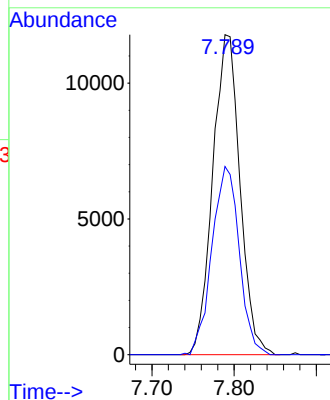
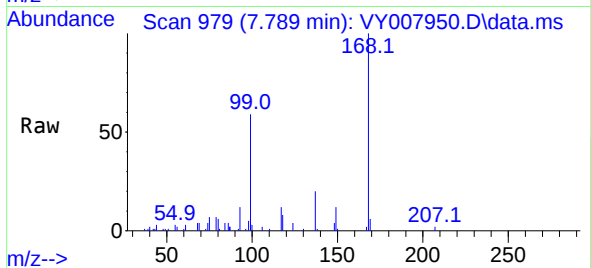




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007950.D
Acq: 21 Mar 2022 13:28

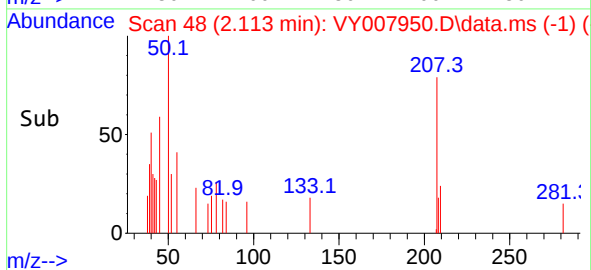
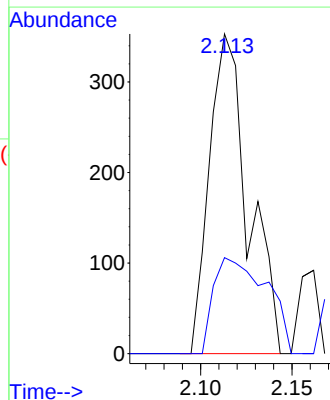
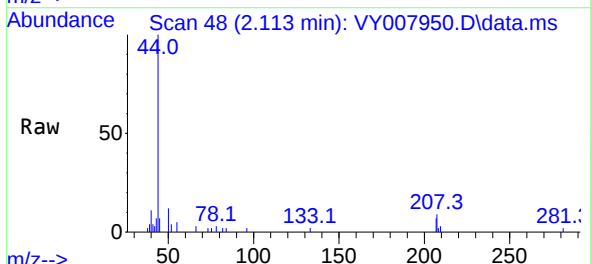
Instrument :
MSVOA_Y
ClientSampleId :
SB-10BRE

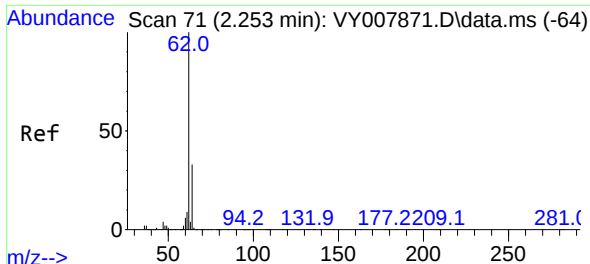
Tgt Ion:168 Resp: 27118
Ion Ratio Lower Upper
168 100
99 58.8 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. -0.000 min
Lab File: VY007950.D
Acq: 21 Mar 2022 13:28

Tgt Ion: 50 Resp: 523
Ion Ratio Lower Upper
50 100
52 30.0 24.6 37.0

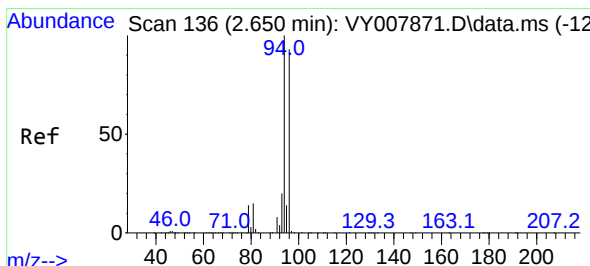
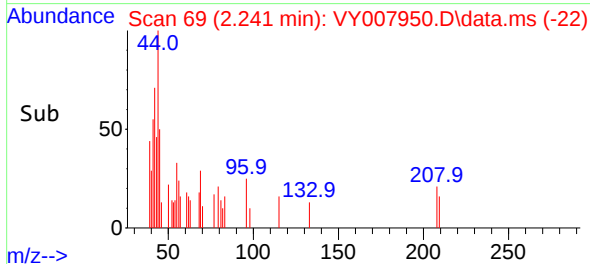
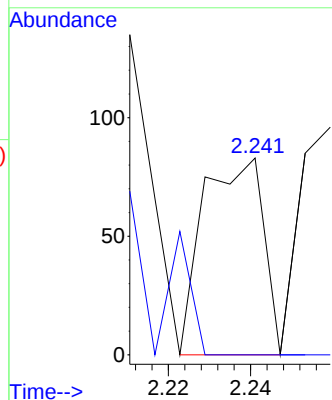
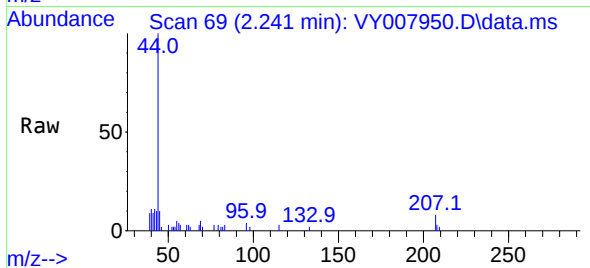




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.241 min Scan# 61
 Delta R.T. -0.012 min
 Lab File: VY007950.D
 Acq: 21 Mar 2022 13:28

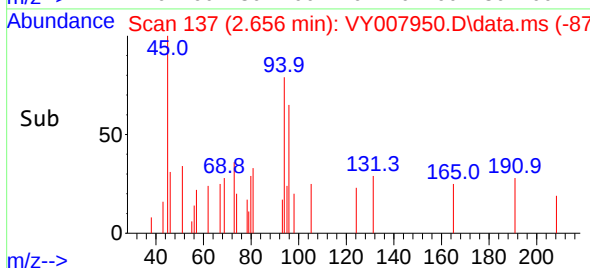
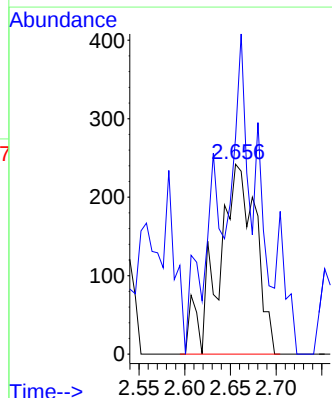
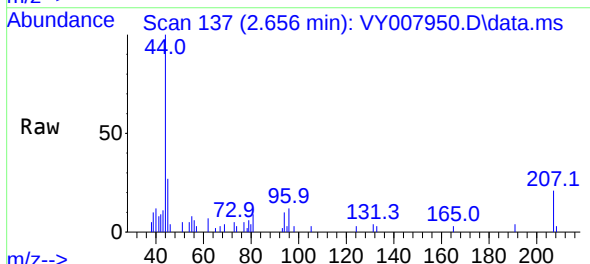
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-10BRE

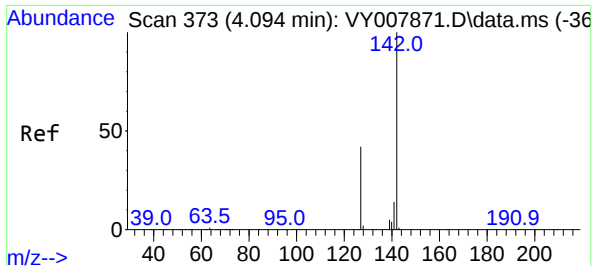
Tgt Ion: 62 Resp: 84
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.656 min Scan# 137
 Delta R.T. 0.006 min
 Lab File: VY007950.D
 Acq: 21 Mar 2022 13:28

Tgt Ion: 94 Resp: 695
 Ion Ratio Lower Upper
 94 100
 96 67.4 73.5 110.3#

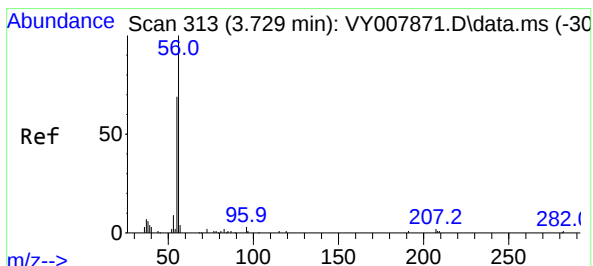
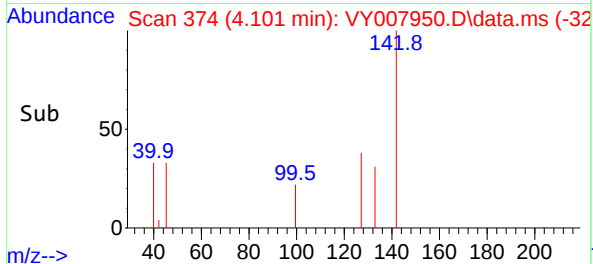
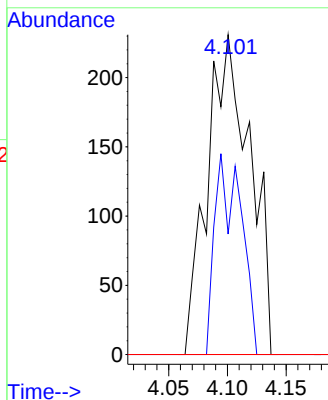
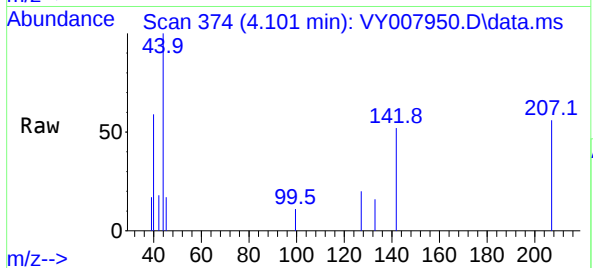




#10
Methyl Iodide
Concen: 1.971 ug/l
RT: 4.101 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY007950.D
Acq: 21 Mar 2022 13:28

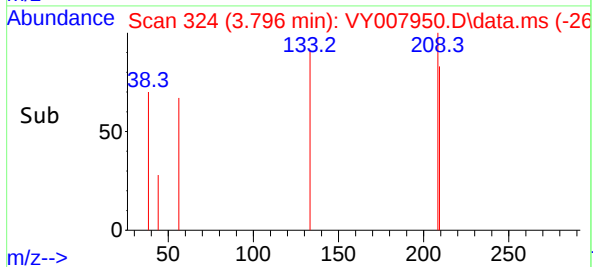
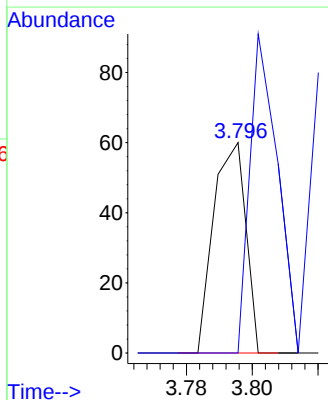
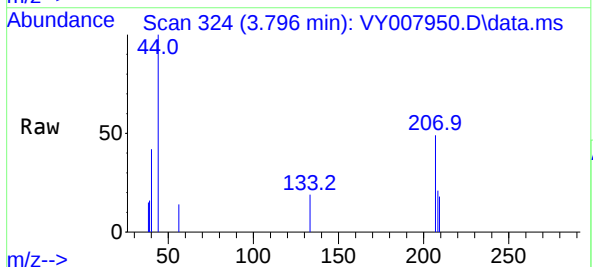
Instrument :
MSVOA_Y
ClientSampleId :
SB-10BRE

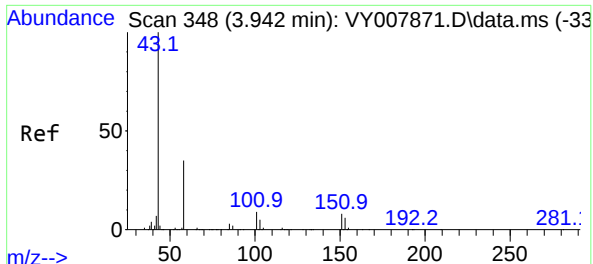
Tgt Ion:142 Resp: 585
Ion Ratio Lower Upper
142 100
127 38.5 41.5 62.3#
141 0.0 11.9 17.9#



#13
Acrolein
Concen: 1.890 ug/l
RT: 3.796 min Scan# 324
Delta R.T. 0.067 min
Lab File: VY007950.D
Acq: 21 Mar 2022 13:28

Tgt Ion: 56 Resp: 41
Ion Ratio Lower Upper
56 100
55 129.3 57.6 86.4#

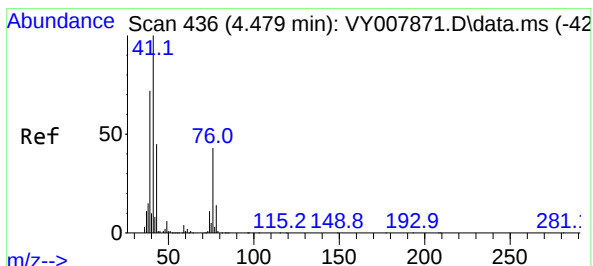
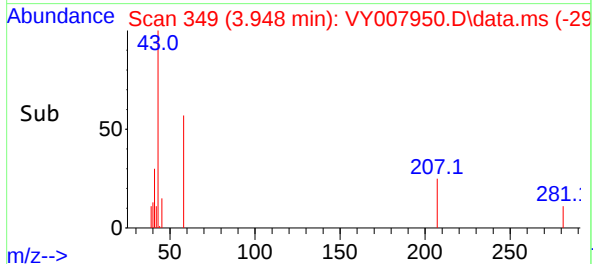
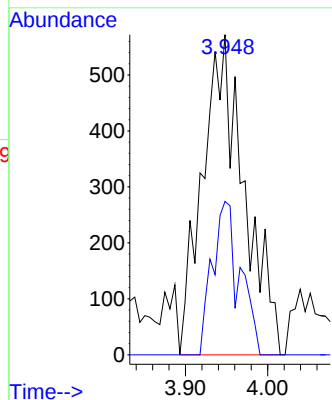
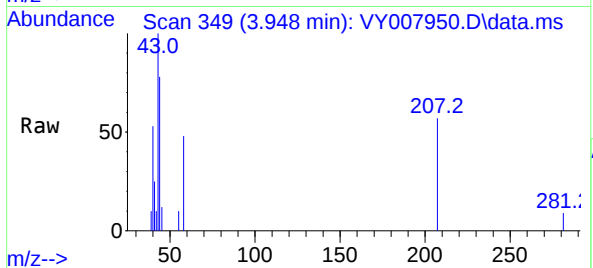




#16
Acetone
Concen: 24.553 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY007950.D
Acq: 21 Mar 2022 13:28

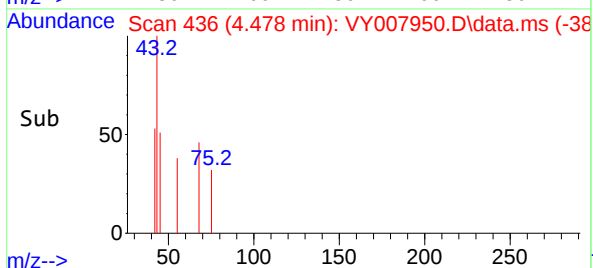
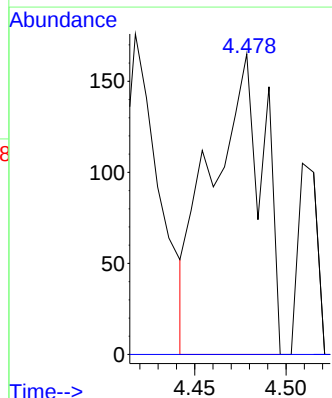
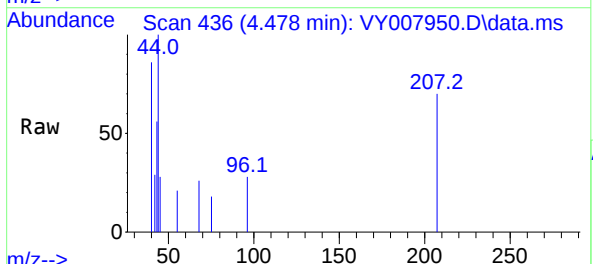
Instrument :
MSVOA_Y
ClientSampleId :
SB-10BRE

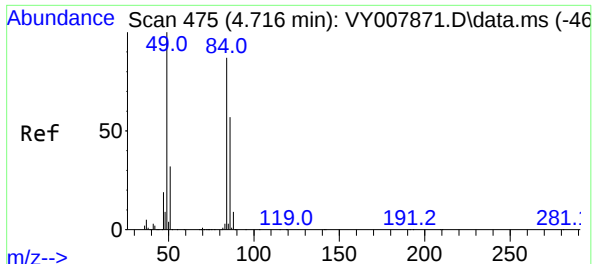
Tgt Ion: 43 Resp: 2014
Ion Ratio Lower Upper
43 100
58 47.9 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.478 min Scan# 436
Delta R.T. 0.006 min
Lab File: VY007950.D
Acq: 21 Mar 2022 13:28

Tgt Ion: 43 Resp: 331
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



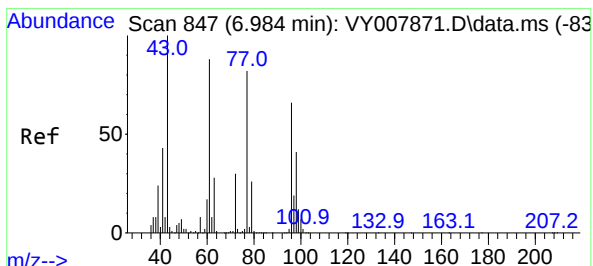
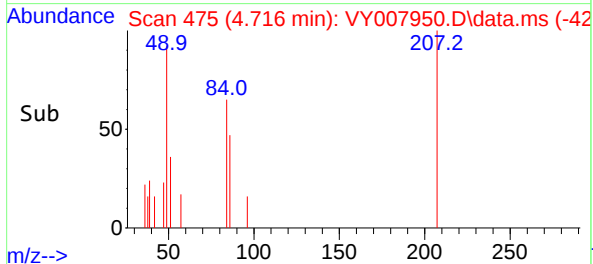
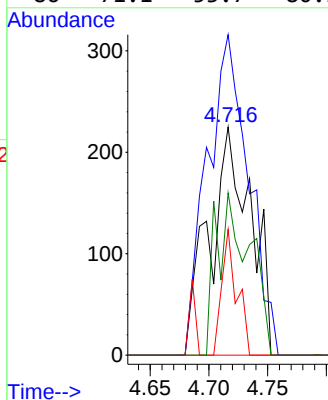
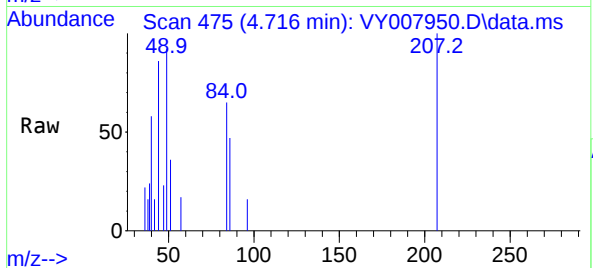


#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY007950.D
Acq: 21 Mar 2022 13:28

Instrument :
MSVOA_Y
ClientSampleId :
SB-10BRE

Tgt Ion: 84 Resp: 548

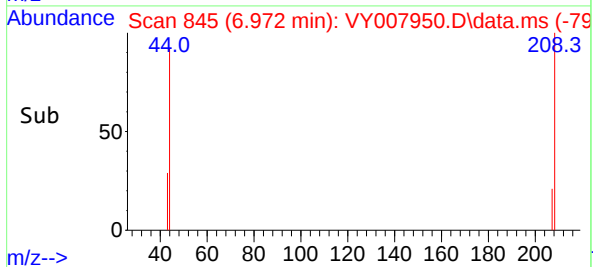
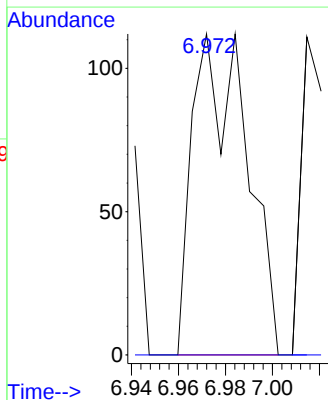
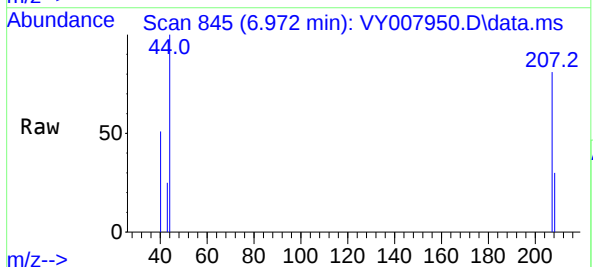
Ion	Ratio	Lower	Upper
84	100		
49	140.4	114.4	171.6
51	55.1	35.3	52.9
86	71.1	53.7	80.5

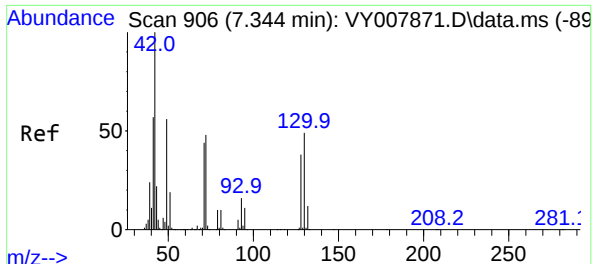


#25
2-Butanone
Concen: 1.355 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY007950.D
Acq: 21 Mar 2022 13:28

Tgt Ion: 43 Resp: 178

Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5

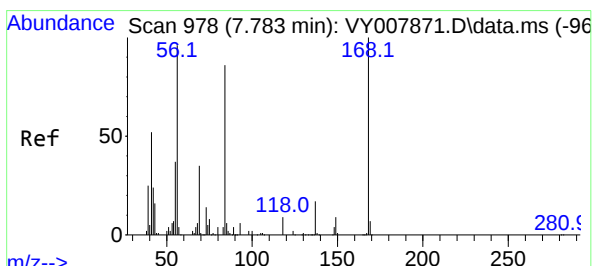
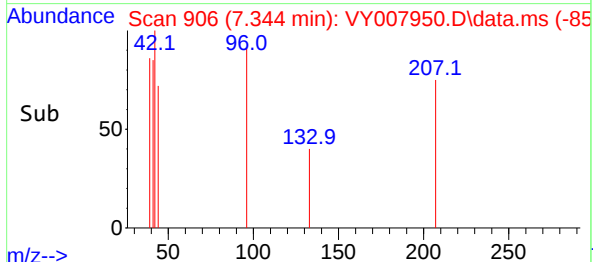
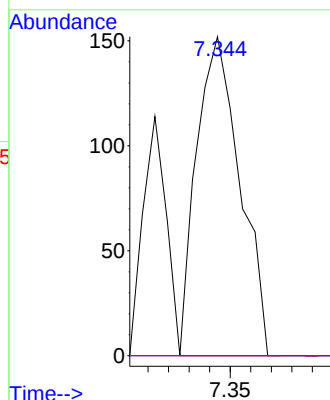
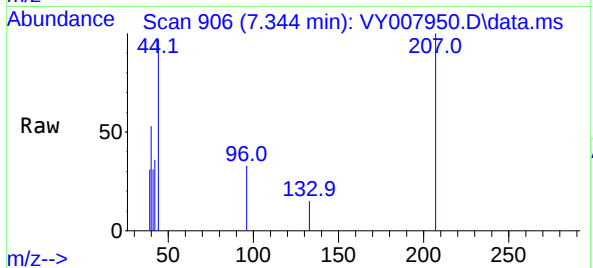




#29
Tetrahydrofuran
Concen: 2.649 ug/l
RT: 7.344 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY007950.D
Acq: 21 Mar 2022 13:28

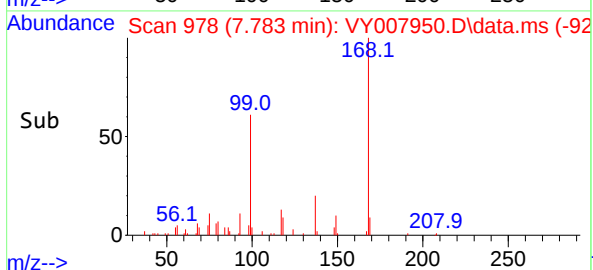
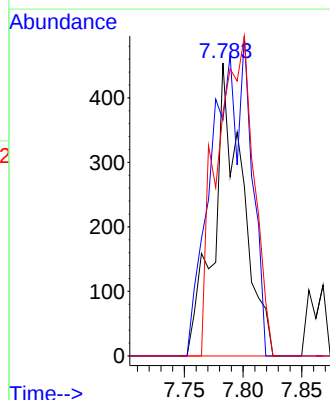
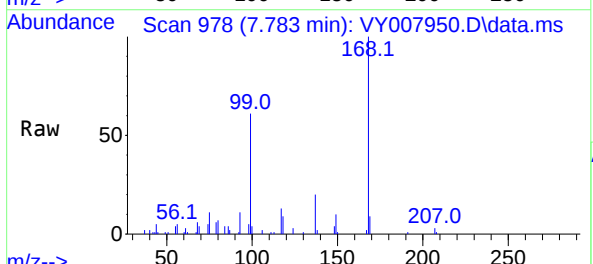
Instrument :
MSVOA_Y
ClientSampleId :
SB-10BRE

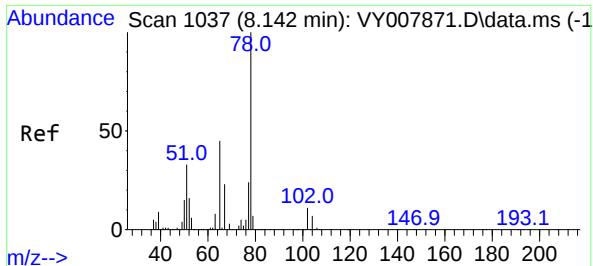
Tgt Ion:	42	Resp:	223
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.3	45.5#
71	0.0	29.0	43.4#



#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY007950.D
Acq: 21 Mar 2022 13:28

Tgt Ion:	56	Resp:	777
Ion	Ratio	Lower	Upper
56	100		
69	80.6	26.7	40.1#
84	83.0	67.2	100.8





#33

1,2-Dichloroethane-d4

Concen: 40.165 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VY007950.D

Acq: 21 Mar 2022 13:28

Instrument :

MSVOA_Y

ClientSampleId :

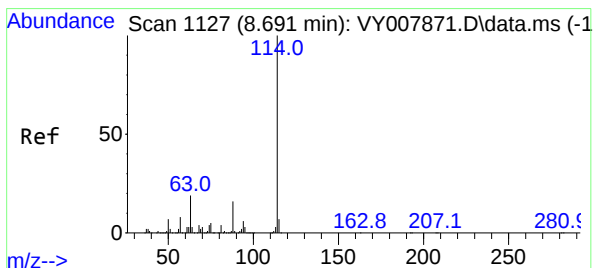
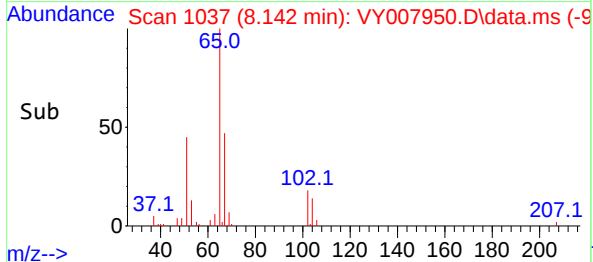
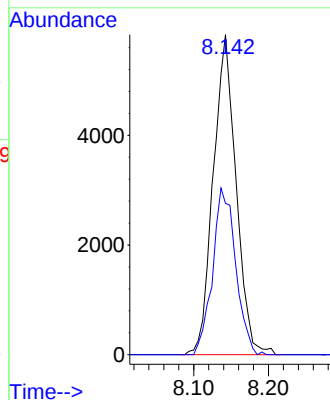
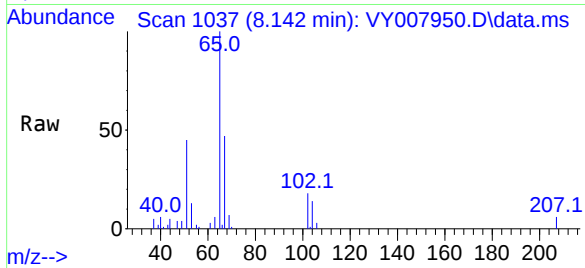
SB-10BRE

Tgt Ion: 65 Resp: 12419

Ion Ratio Lower Upper

65 100

67 52.4 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: VY007950.D

Acq: 21 Mar 2022 13:28

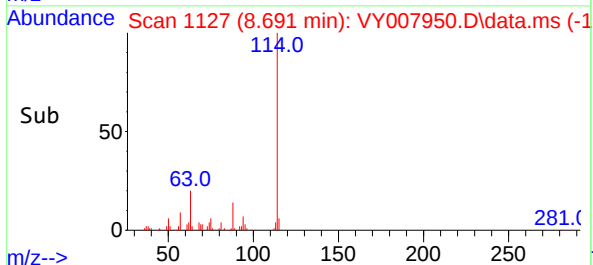
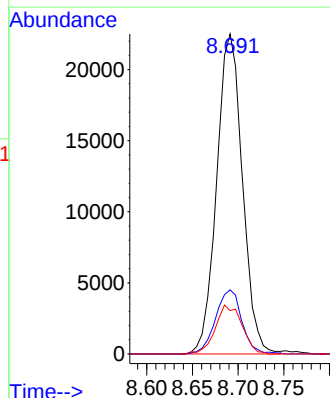
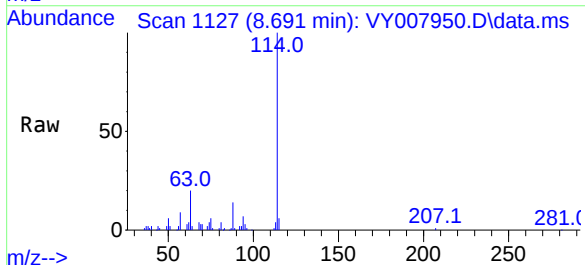
Tgt Ion:114 Resp: 44109

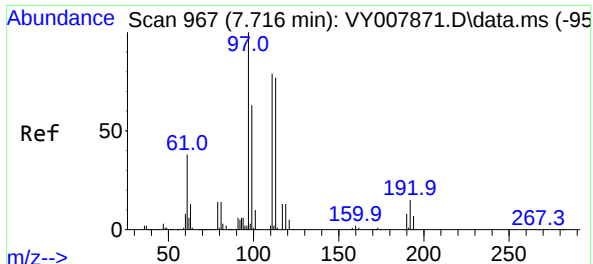
Ion Ratio Lower Upper

114 100

63 20.1 0.0 43.2

88 13.5 0.0 31.8

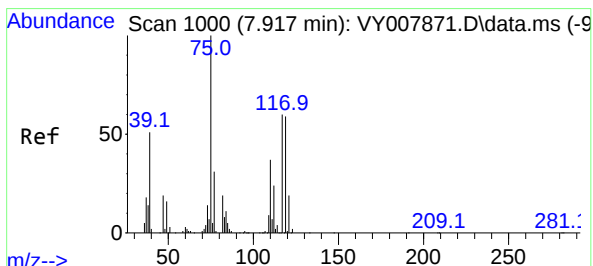
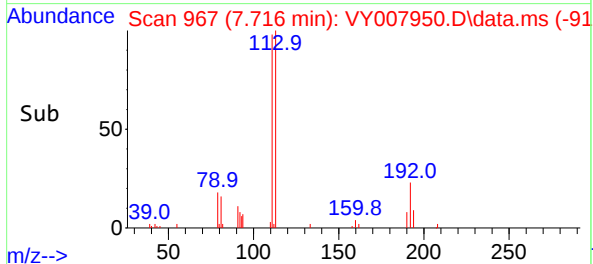
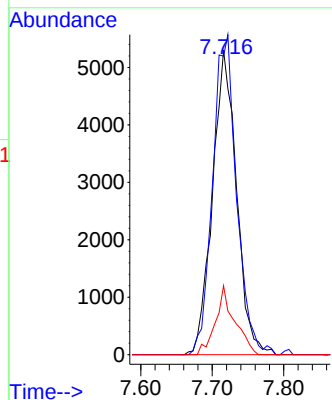
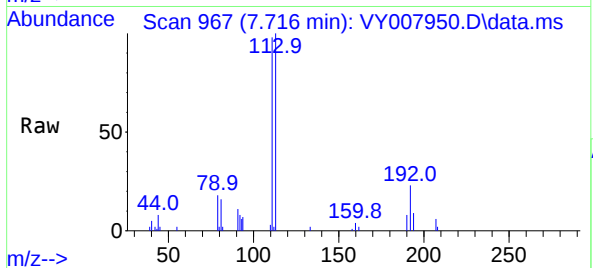




#35
Dibromofluoromethane
Concen: 40.036 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY007950.D
Acq: 21 Mar 2022 13:28

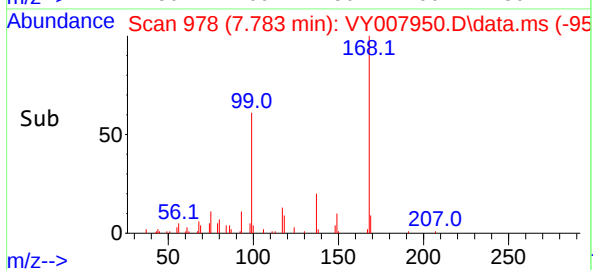
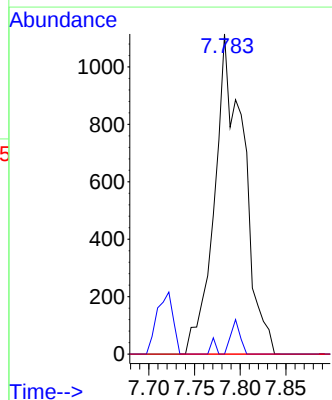
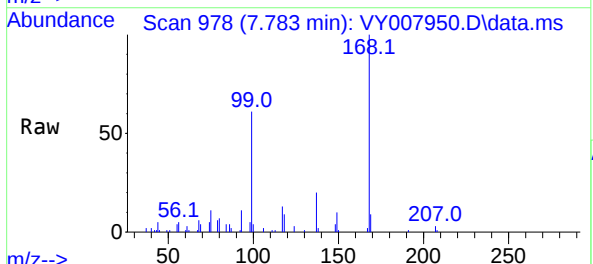
Instrument :
MSVOA_Y
ClientSampleId :
SB-10BRE

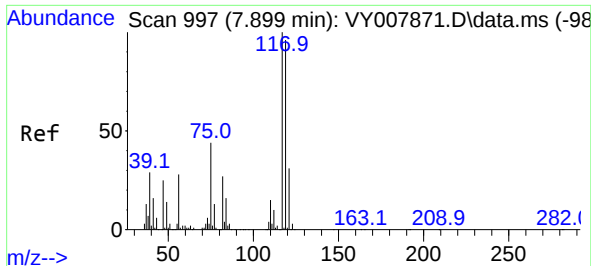
Tgt Ion:113 Resp: 12402
Ion Ratio Lower Upper
113 100
111 104.4 82.6 124.0
192 17.9 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.413 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY007950.D
Acq: 21 Mar 2022 13:28

Tgt Ion: 75 Resp: 2487
Ion Ratio Lower Upper
75 100
110 0.8 17.1 51.2#
77 0.0 24.4 36.6#

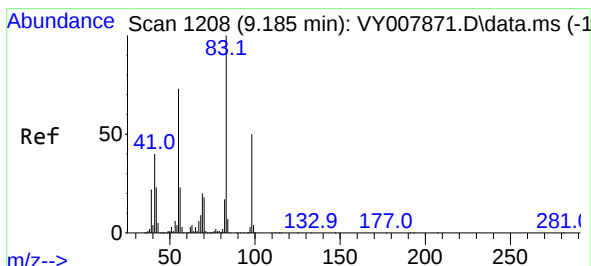
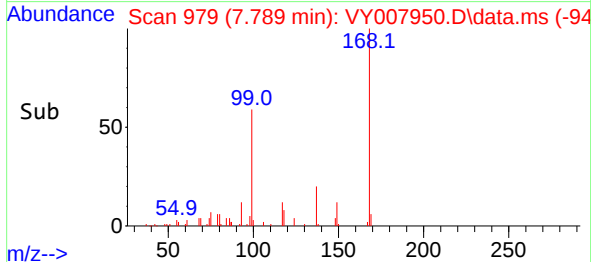
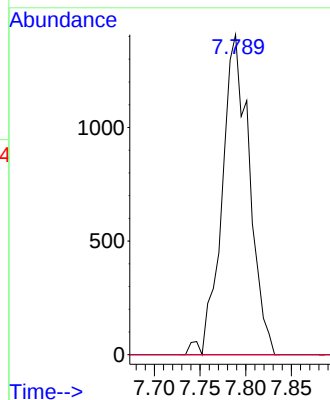
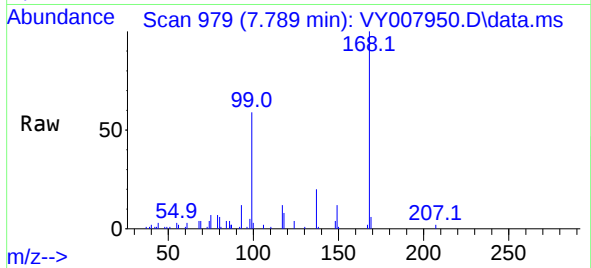




#38
Carbon Tetrachloride
Concen: 5.992 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY007950.D
Acq: 21 Mar 2022 13:28

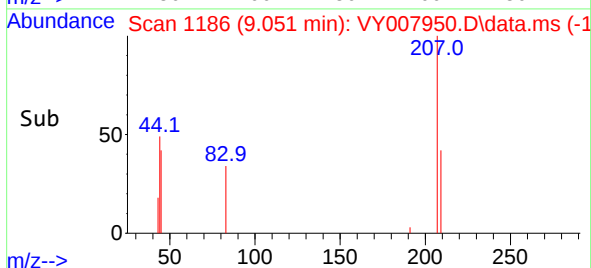
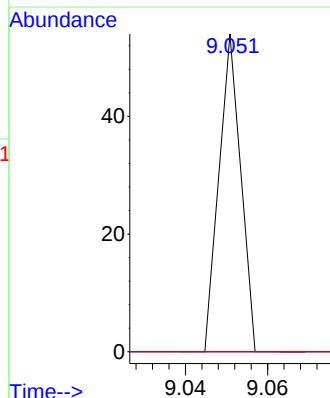
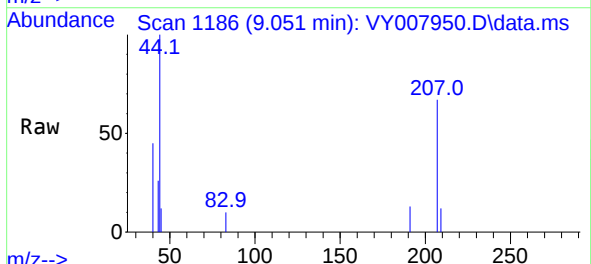
Instrument :
MSVOA_Y
ClientSampleId :
SB-10BRE

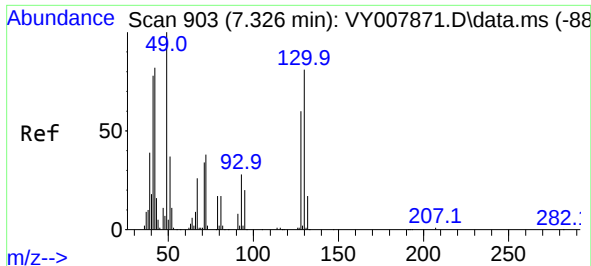
Tgt Ion:117 Resp: 2942
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: Below Cal
RT: 9.051 min Scan# 1186
Delta R.T. -0.134 min
Lab File: VY007950.D
Acq: 21 Mar 2022 13:28

Tgt Ion: 83 Resp: 20
Ion Ratio Lower Upper
83 100
55 0.0 66.5 99.7#
98 0.0 37.9 56.9#

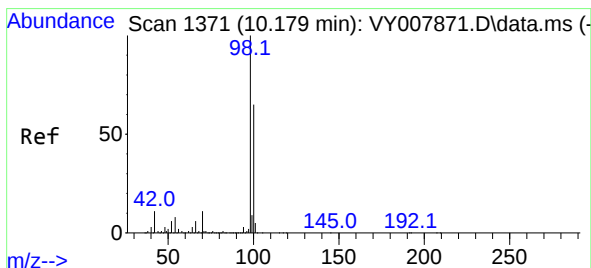
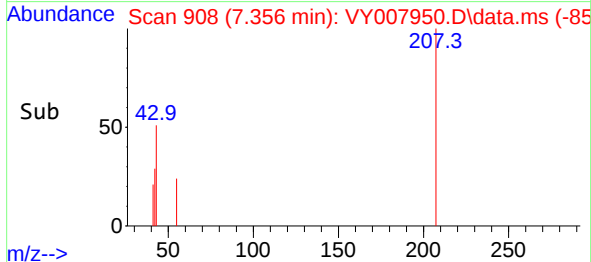
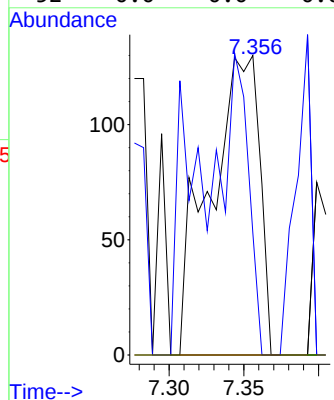
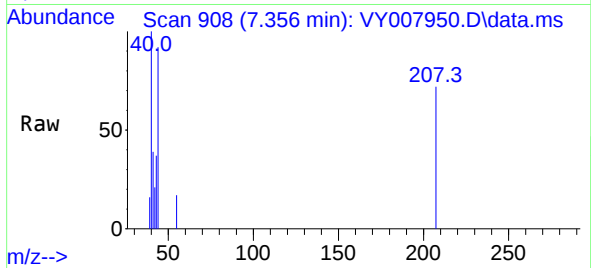




#41
Methacrylonitrile
Concen: 1.741 ug/l
RT: 7.356 min Scan# 903
Delta R.T. 0.049 min
Lab File: VY007950.D
Acq: 21 Mar 2022 13:28

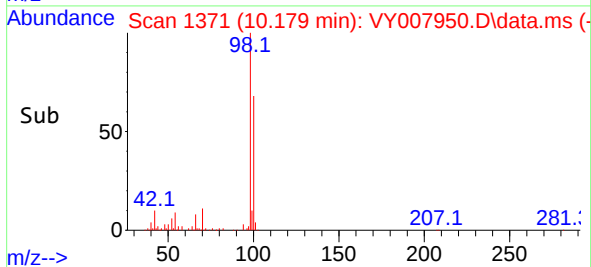
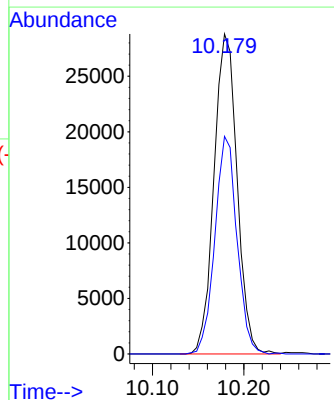
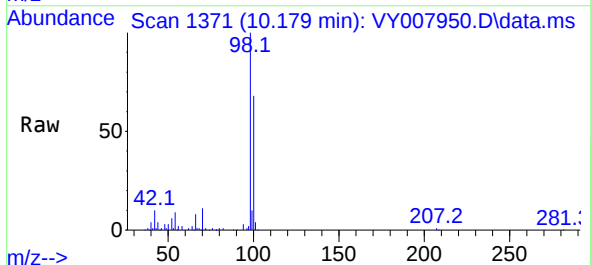
Instrument :
MSVOA_Y
ClientSampleId :
SB-10BRE

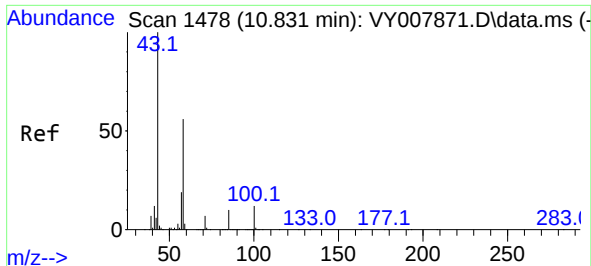
Tgt Ion: 41 Resp: 301
Ion Ratio Lower Upper
41 100
39 54.5 92.9 139.3#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#50
Toluene-d8
Concen: 54.628 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY007950.D
Acq: 21 Mar 2022 13:28

Tgt Ion: 98 Resp: 50578
Ion Ratio Lower Upper
98 100
100 65.2 50.2 75.2

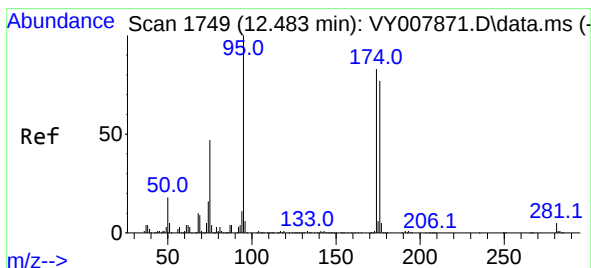
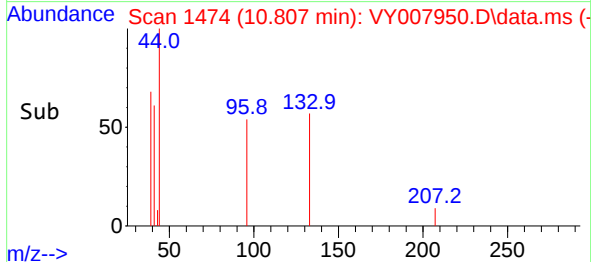
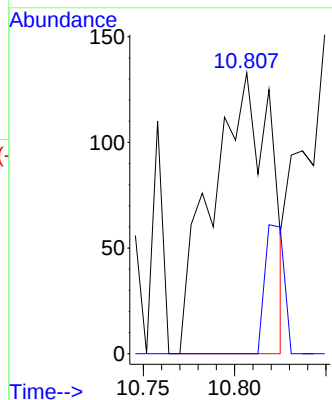
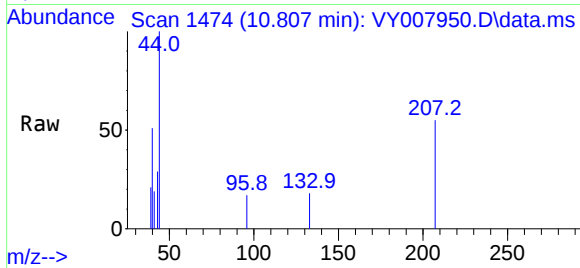




#59
2-Hexanone
Concen: 1.454 ug/l
RT: 10.807 min Scan# 1478
Delta R.T. -0.025 min
Lab File: VY007950.D
Acq: 21 Mar 2022 13:28

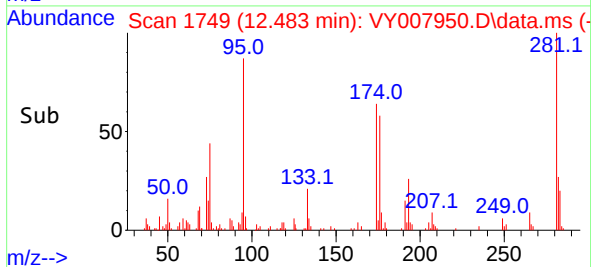
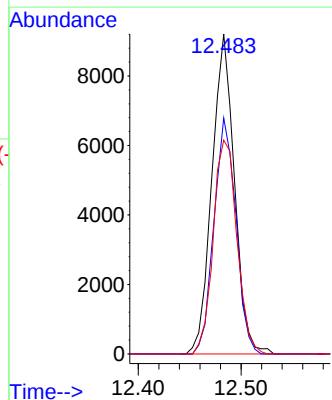
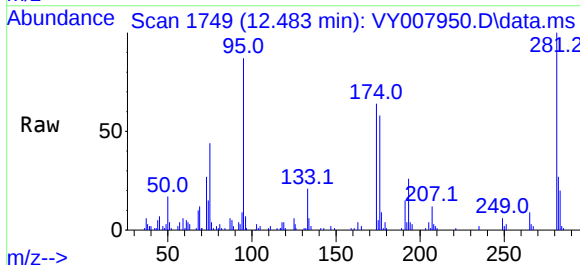
Instrument :
MSVOA_Y
ClientSampleId :
SB-10BRE

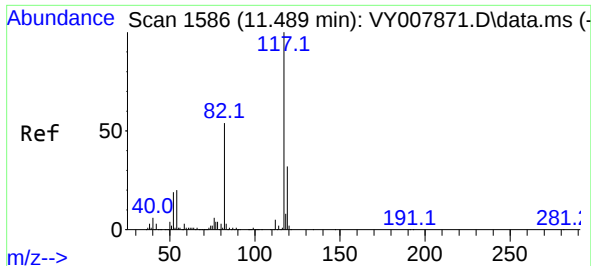
Tgt Ion: 43 Resp: 296
Ion Ratio Lower Upper
43 100
58 14.9 24.4 73.4#



#62
4-Bromofluorobenzene
Concen: 31.495 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY007950.D
Acq: 21 Mar 2022 13:28

Tgt Ion: 95 Resp: 14002
Ion Ratio Lower Upper
95 100
174 72.0 0.0 177.0
176 70.4 0.0 175.8

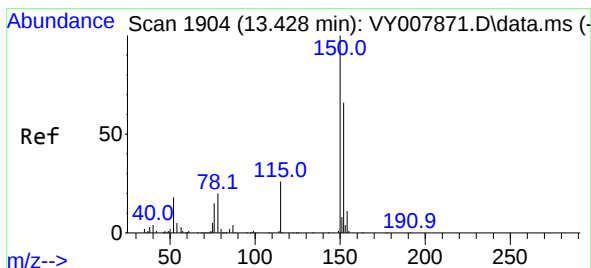
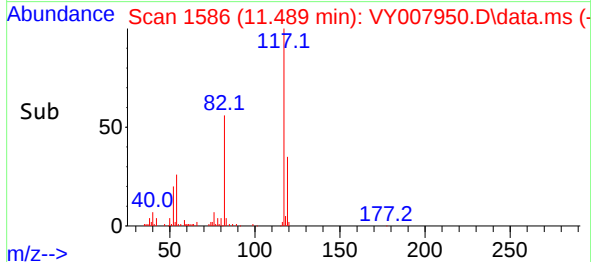
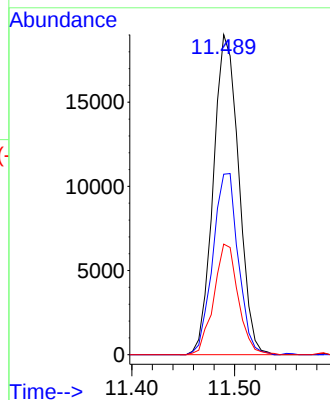
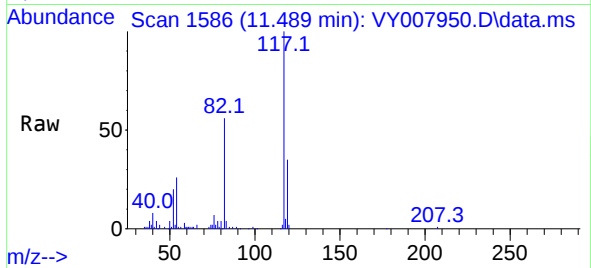




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY007950.D
Acq: 21 Mar 2022 13:28

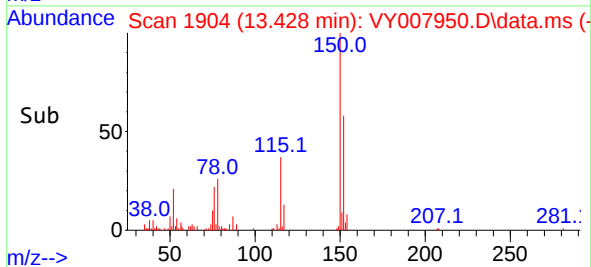
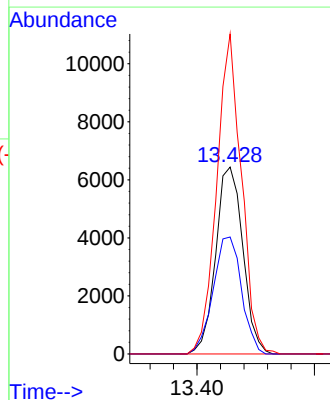
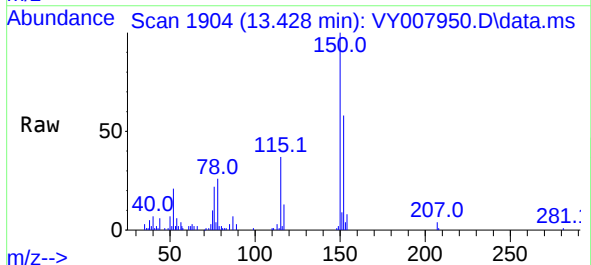
Instrument :
MSVOA_Y
ClientSampleId :
SB-10BRE

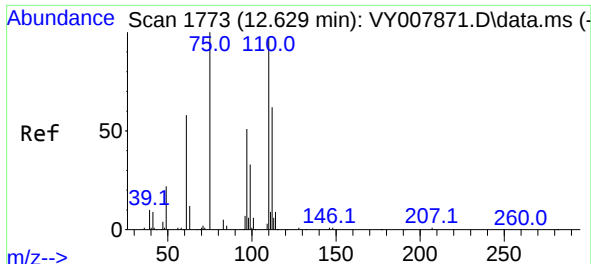
Tgt Ion:117	Resp:	32624
Ion Ratio	Lower	Upper
117	100	
82	56.4	43.0 64.4
119	34.6	25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY007950.D
Acq: 21 Mar 2022 13:28

Tgt Ion:152	Resp:	10343
Ion Ratio	Lower	Upper
152	100	
115	65.5	28.2 84.7
150	155.7	0.0 347.6

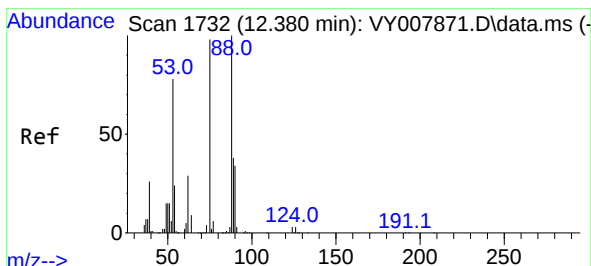
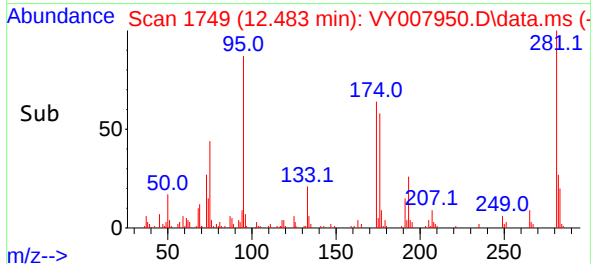
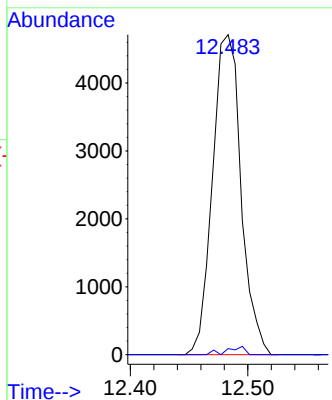
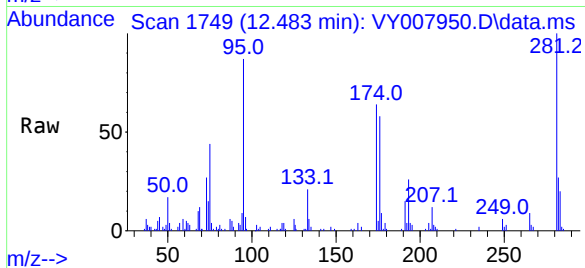




#76
1,2,3-Trichloropropane
Concen: 53.906 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY007950.D
Acq: 21 Mar 2022 13:28

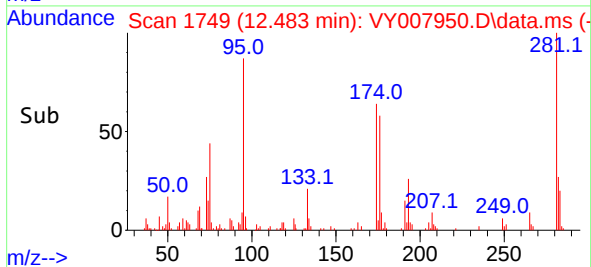
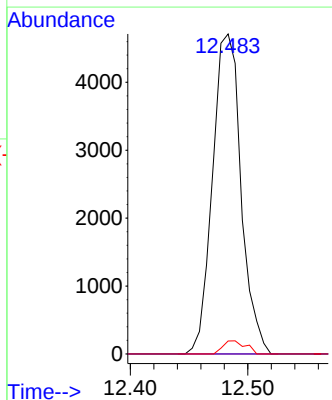
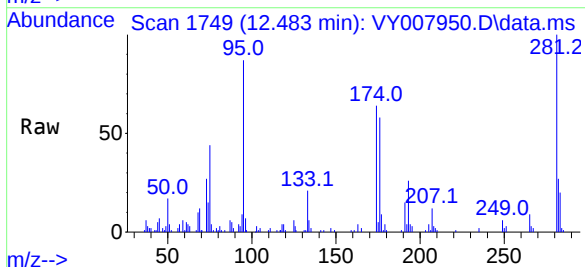
Instrument :
MSVOA_Y
ClientSampleId :
SB-10BRE

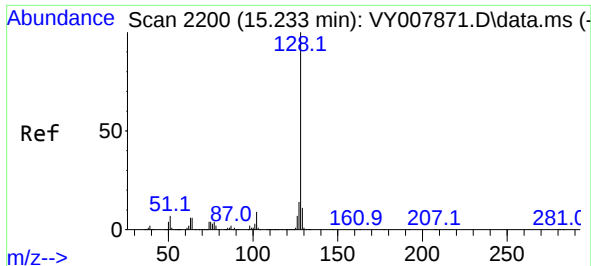
Tgt Ion: 75 Resp: 7947
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 113.225 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY007950.D
Acq: 21 Mar 2022 13:28

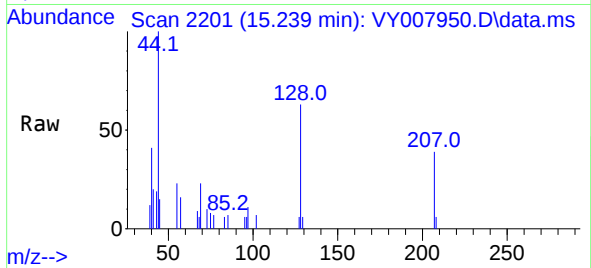
Tgt Ion: 75 Resp: 7947
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 3.3 37.0 55.4#





#95
Naphthalene
Concen: 1.259 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY007950.D
Acq: 21 Mar 2022 13:28

Instrument :
MSVOA_Y
ClientSampleId :
SB-10BRE



Tgt Ion:	128	Resp:	649
Ion	Ratio	Lower	Upper
128	100		
127	8.9	11.0	16.4#
129	6.3	8.4	12.6#

