

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031122\
 Data File : VY007848.D
 Acq On : 11 Mar 2022 12:42
 Operator : SY/MD
 Sample : N1853-04
 Misc : 6.98g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SR-EX2B-BASE-02

Quant Time: Mar 11 23:21:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 01 09:08:03 2022
 Response via : Initial Calibration

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

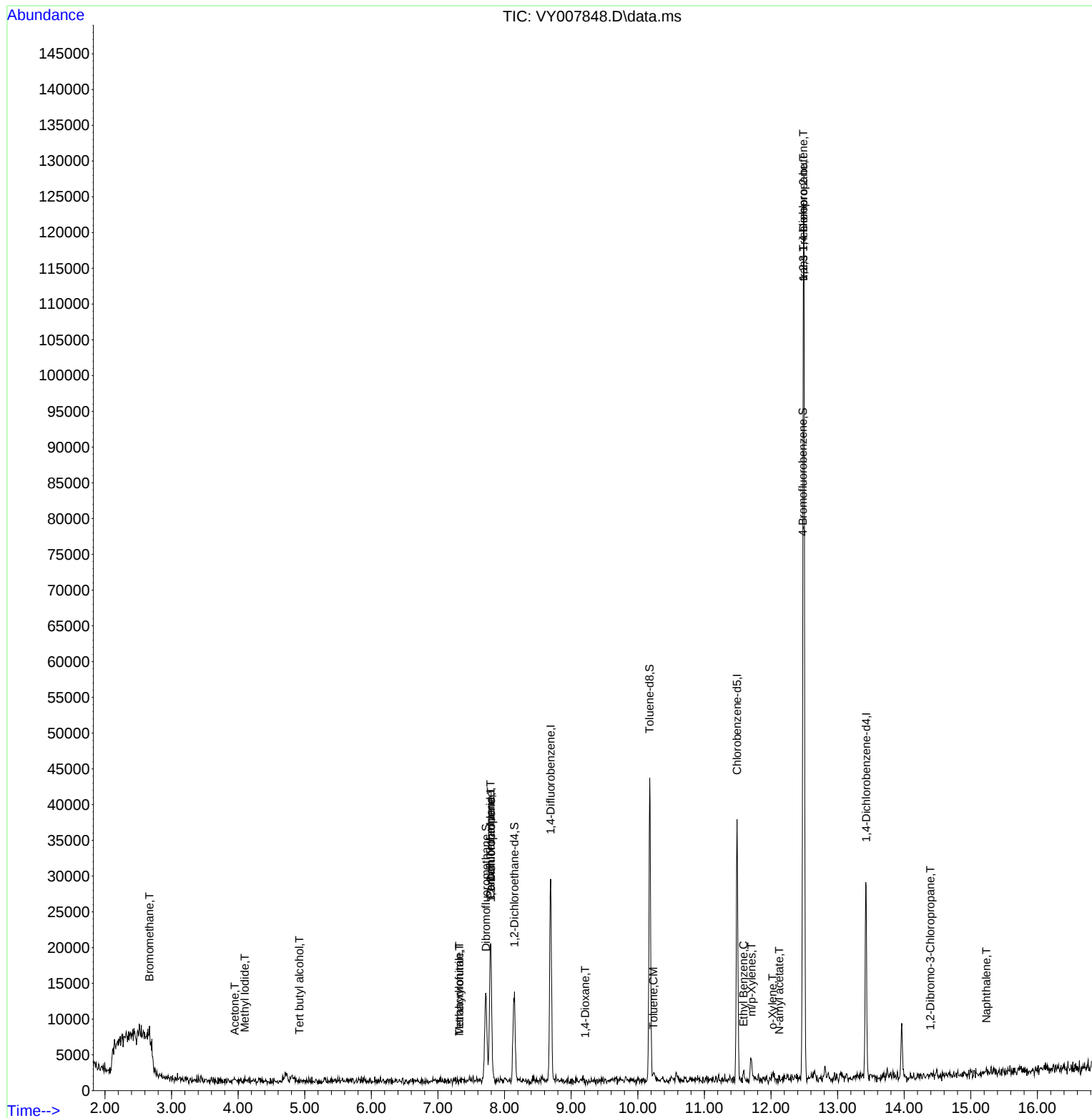
Internal Standards						
1) Pentafluorobenzene	7.789	168	14884	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	22135	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	17517	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	6485	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	9899	63.528	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.060%	
35) Dibromofluoromethane	7.722	113	8256	58.340	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.680%	
50) Toluene-d8	10.179	98	25153	48.285	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.560%	
62) 4-Bromofluorobenzene	12.477	95	6272	37.352	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 74.700%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.138	85	95	Below Cal	#	43
3) Chloromethane	2.113	50	575	Below Cal		98
5) Bromomethane	2.668	94	604	3.347	ug/l #	65
10) Methyl Iodide	4.101	142	294	1.552	ug/l #	35
11) Tert butyl alcohol	4.918	59	46	3.410	ug/l #	1
16) Acetone	3.948	43	351	11.073	ug/l #	47
17) Carbon Disulfide	4.198	76	52	Below Cal	#	75
18) Methyl Acetate	4.479	43	26	Below Cal	#	56
29) Tetrahydrofuran	7.320	42	61	1.677	ug/l #	38
31) Cyclohexane	7.777	56	358	Below Cal	#	72
36) 1,1-Dichloropropene	7.795	75	1246	5.597	ug/l #	42
38) Carbon Tetrachloride	7.789	117	1600	6.738	ug/l #	11
41) Methacrylonitrile	7.320	41	84	1.430	ug/l #	80
49) 1,4-Dioxane	9.210	88	23	19.809	ug/l #	20
52) Toluene	10.234	92	503	1.256	ug/l	96
67) Ethyl Benzene	11.587	91	843	1.225	ug/l #	81
68) m/p-Xylenes	11.709	106	1208	4.575	ug/l	76
69) o-Xylene	12.026	106	275	1.099	ug/l	91
74) N-amyl acetate	12.124	43	143	1.063	ug/l #	47
76) 1,2,3-Trichloropropane	12.483	75	4569	63.088	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	4569	128.976	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.392	75	28	1.745	ug/l #	6
95) Naphthalene	15.233	128	356	1.344	ug/l #	69

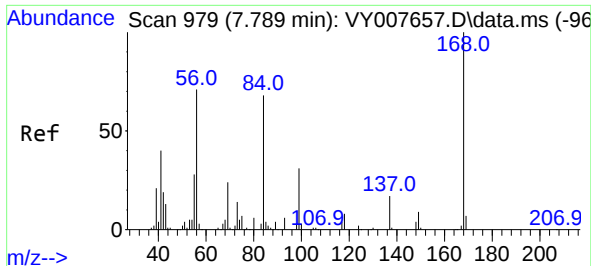
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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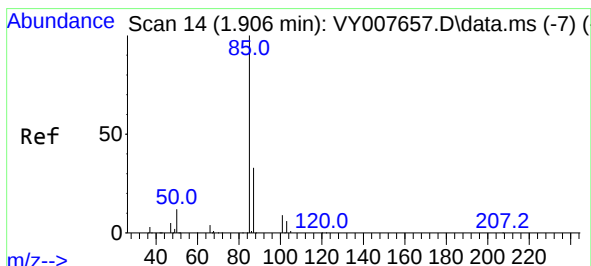
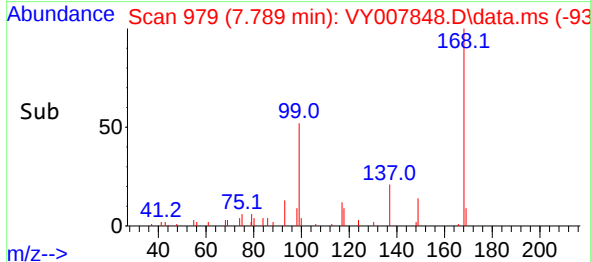
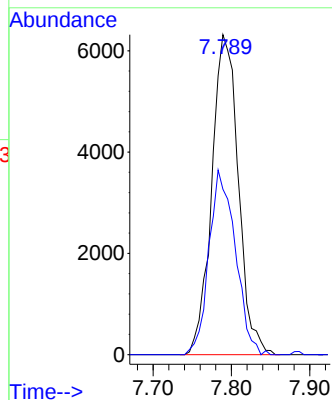
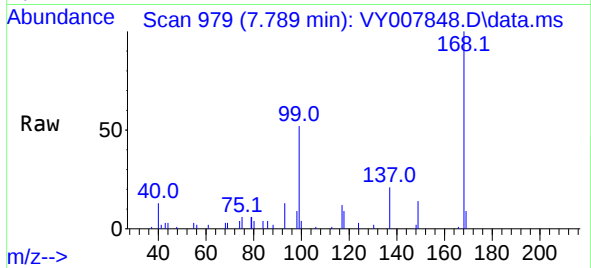




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007848.D
Acq: 11 Mar 2022 12:42

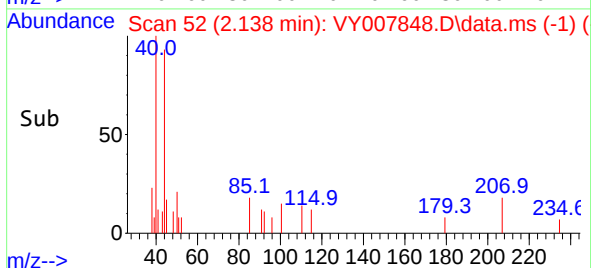
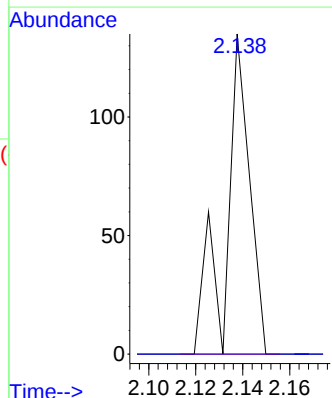
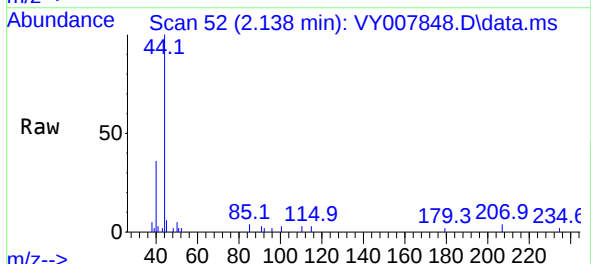
Instrument :
MSVOA_Y
ClientSampleId :
SR-EX2B-BASE-02

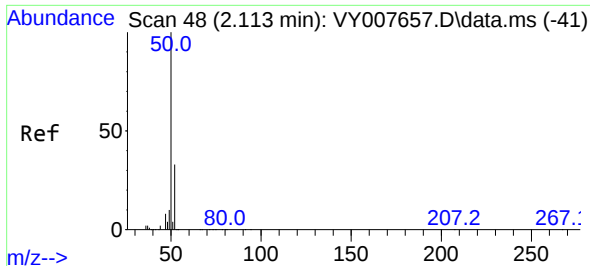
Tgt Ion:168 Resp: 14884
Ion Ratio Lower Upper
168 100
99 51.7 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 2.138 min Scan# 52
Delta R.T. 0.232 min
Lab File: VY007848.D
Acq: 11 Mar 2022 12:42

Tgt Ion: 85 Resp: 95
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

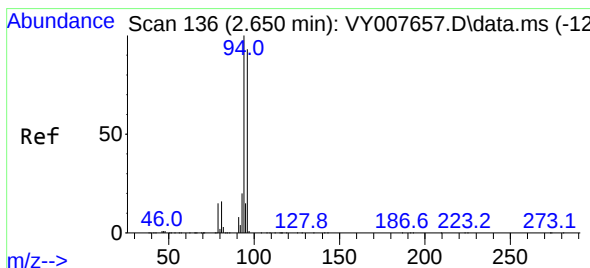
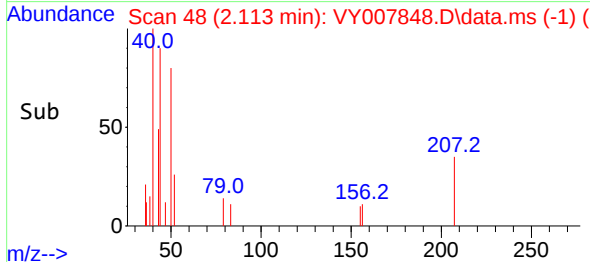
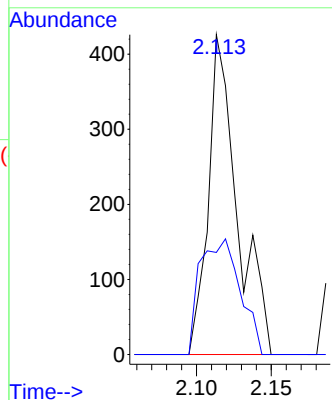
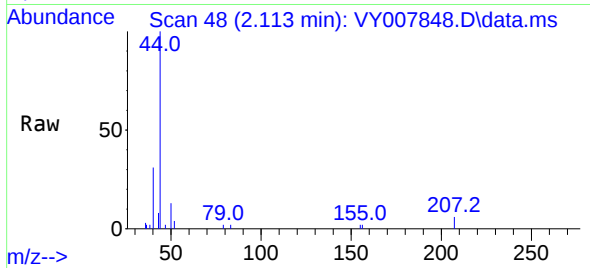




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY007848.D
Acq: 11 Mar 2022 12:42

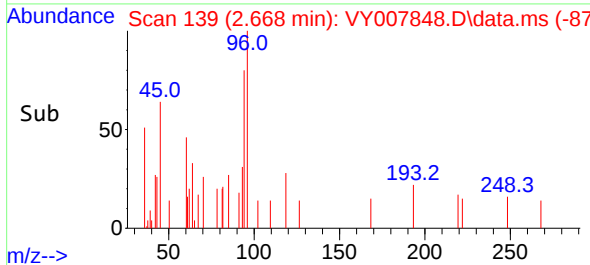
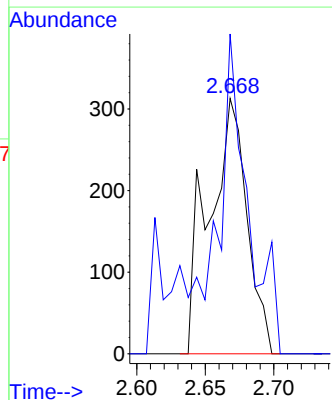
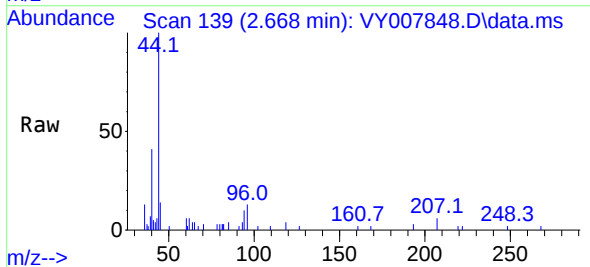
Instrument :
MSVOA_Y
ClientSampleId :
SR-EX2B-BASE-02

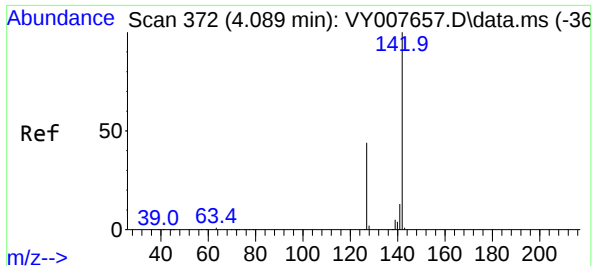
Tgt Ion: 50 Resp: 575
Ion Ratio Lower Upper
50 100
52 31.9 24.6 37.0



#5
Bromomethane
Concen: 3.347 ug/l
RT: 2.668 min Scan# 139
Delta R.T. 0.018 min
Lab File: VY007848.D
Acq: 11 Mar 2022 12:42

Tgt Ion: 94 Resp: 604
Ion Ratio Lower Upper
94 100
96 125.2 73.5 110.3#

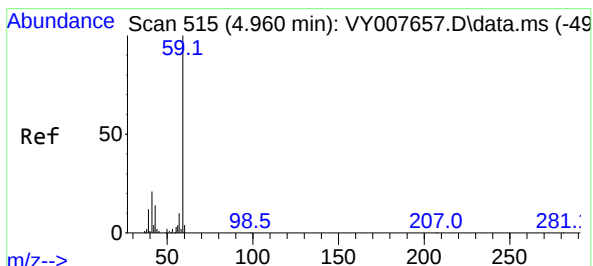
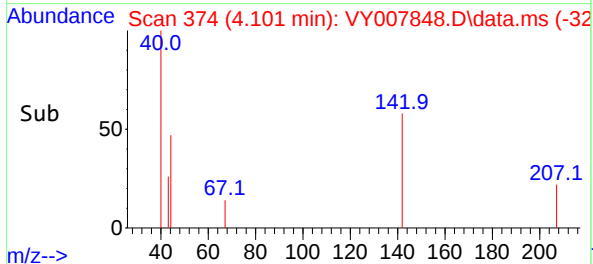
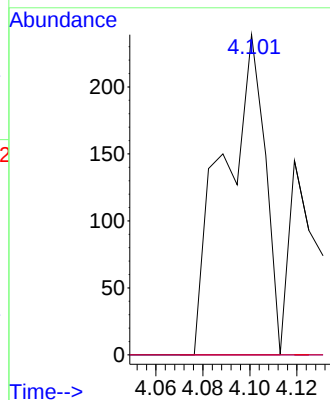
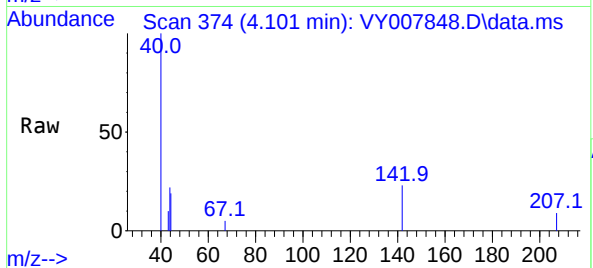




#10
Methyl Iodide
Concen: 1.552 ug/l
RT: 4.101 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY007848.D
Acq: 11 Mar 2022 12:42

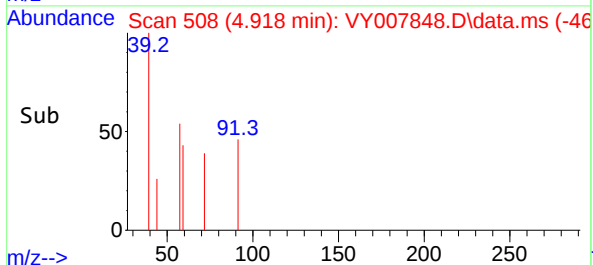
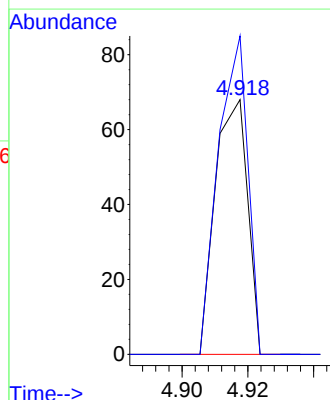
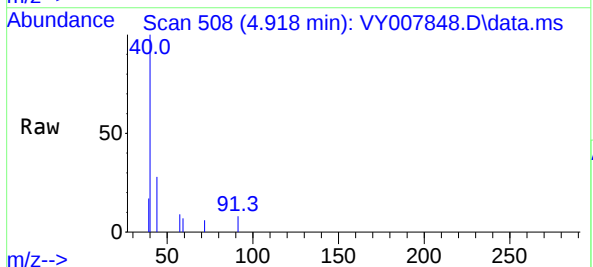
Instrument :
MSVOA_Y
ClientSampleId :
SR-EX2B-BASE-02

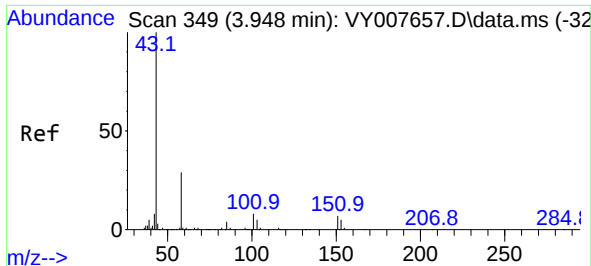
Tgt Ion:142 Resp: 294
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#



#11
Tert butyl alcohol
Concen: 3.410 ug/l
RT: 4.918 min Scan# 508
Delta R.T. -0.042 min
Lab File: VY007848.D
Acq: 11 Mar 2022 12:42

Tgt Ion: 59 Resp: 46
Ion Ratio Lower Upper
59 100
57 115.2 6.4 9.6#

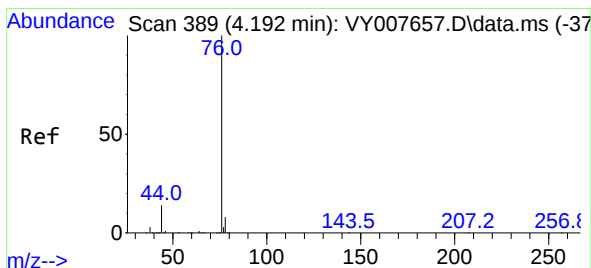
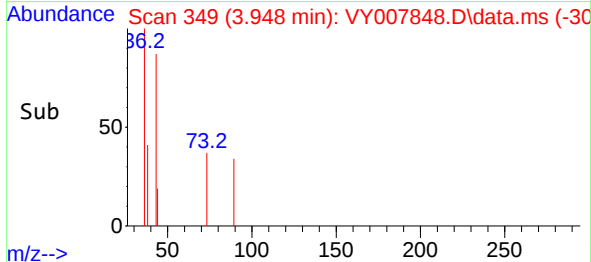
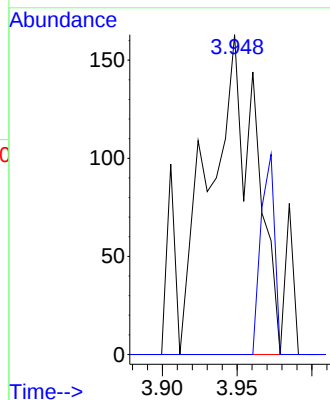
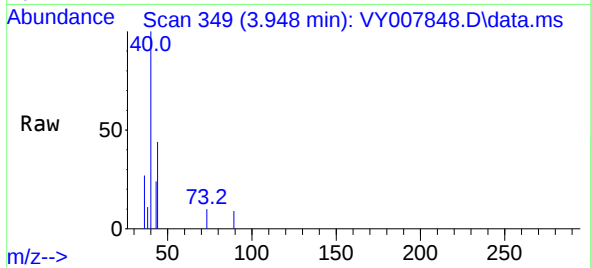




#16
Acetone
Concen: 11.073 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY007848.D
Acq: 11 Mar 2022 12:42

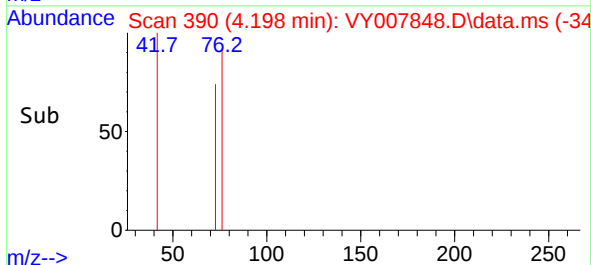
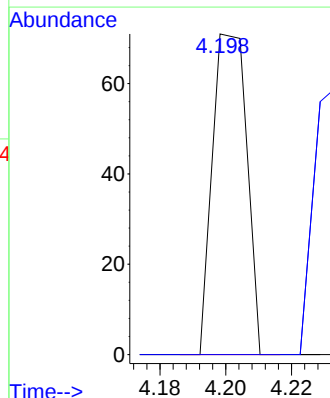
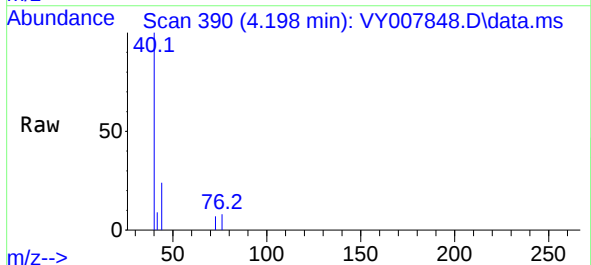
Instrument :
MSVOA_Y
ClientSampleId :
SR-EX2B-BASE-02

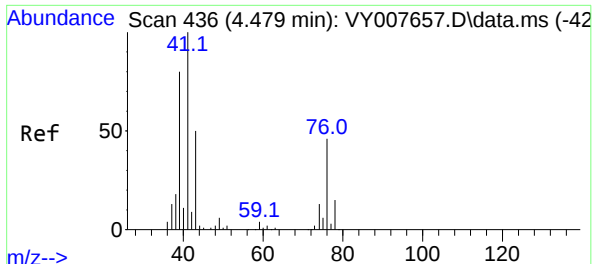
Tgt Ion: 43 Resp: 351
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.198 min Scan# 390
Delta R.T. 0.006 min
Lab File: VY007848.D
Acq: 11 Mar 2022 12:42

Tgt Ion: 76 Resp: 52
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

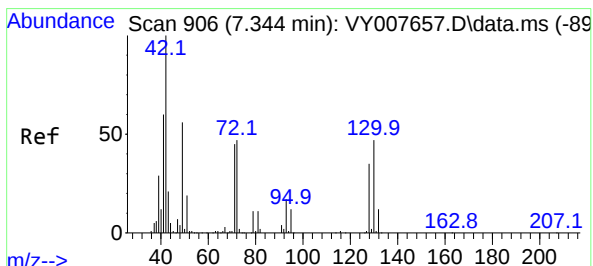
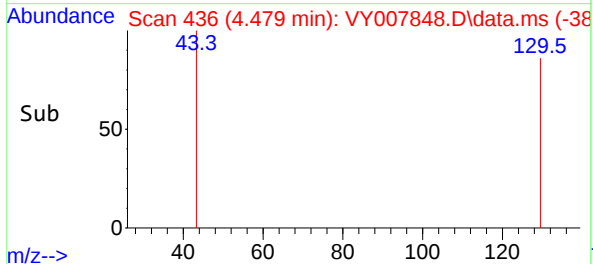
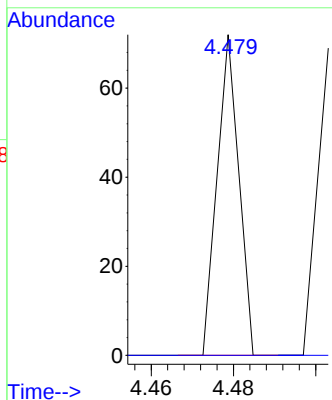
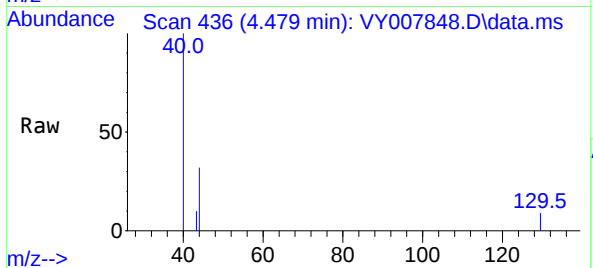




#18
Methyl Acetate
Concen: Below Cal
RT: 4.479 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY007848.D
Acq: 11 Mar 2022 12:42

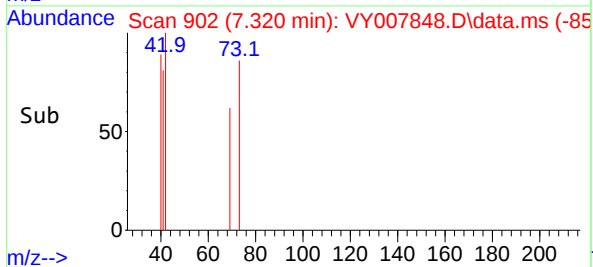
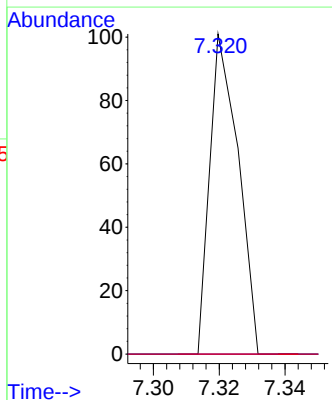
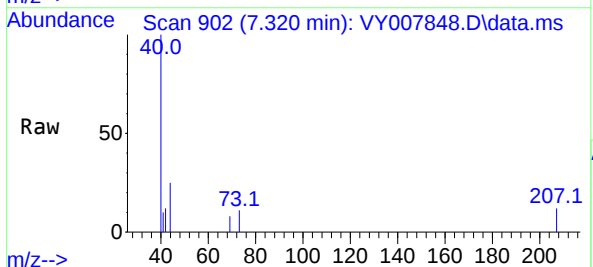
Instrument :
MSVOA_Y
ClientSampleId :
SR-EX2B-BASE-02

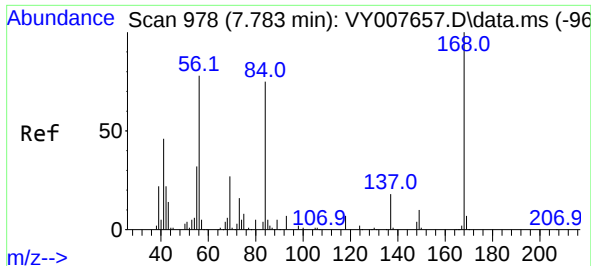
Tgt Ion: 43 Resp: 26
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#29
Tetrahydrofuran
Concen: 1.677 ug/l
RT: 7.320 min Scan# 902
Delta R.T. -0.024 min
Lab File: VY007848.D
Acq: 11 Mar 2022 12:42

Tgt Ion: 42 Resp: 61
Ion Ratio Lower Upper
42 100
72 0.0 30.3 45.5#
71 0.0 29.0 43.4#

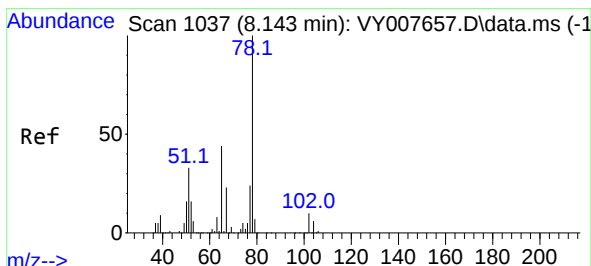
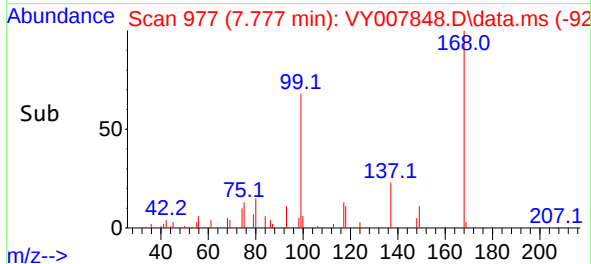
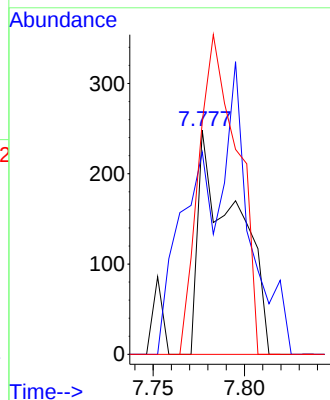
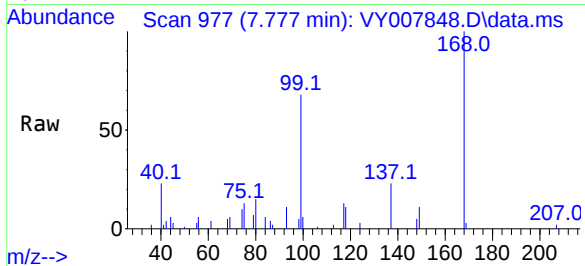




#31
Cyclohexane
Concen: Below Cal
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY007848.D
Acq: 11 Mar 2022 12:42

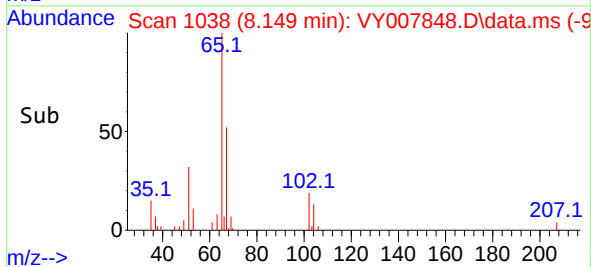
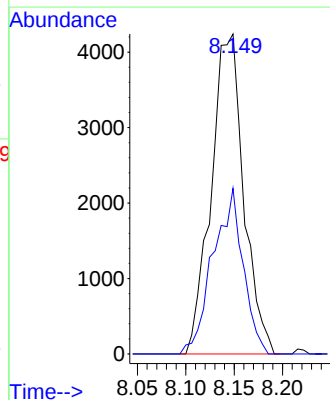
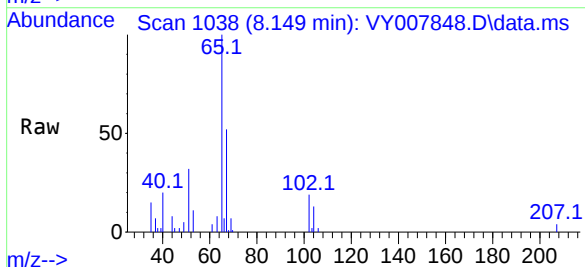
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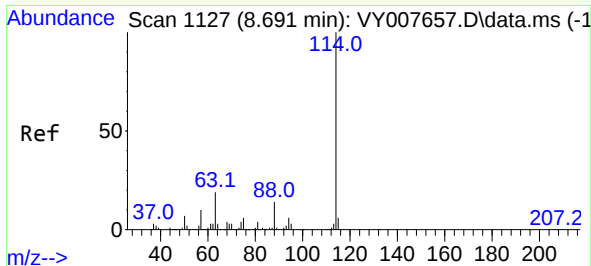
Tgt Ion: 56 Resp: 358
Ion Ratio Lower Upper
56 100
69 57.3 26.7 40.1#
84 104.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 63.528 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VY007848.D
Acq: 11 Mar 2022 12:42

Tgt Ion: 65 Resp: 9899
Ion Ratio Lower Upper
65 100
67 47.9 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: VY007848.D

Acq: 11 Mar 2022 12:42

Instrument :

MSVOA_Y

ClientSampleId :

SR-EX2B-BASE-02

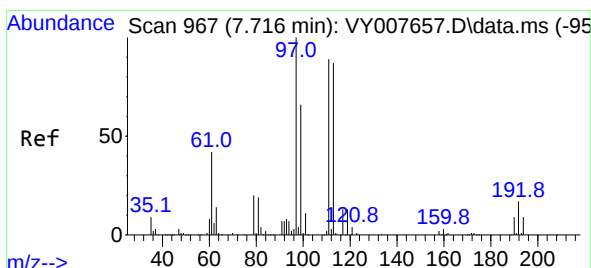
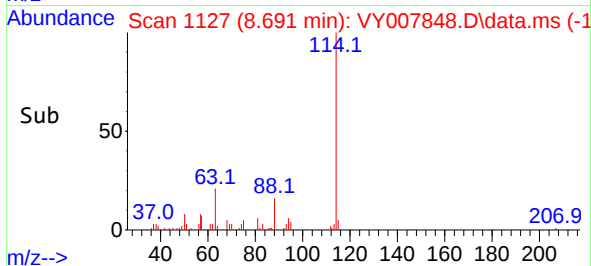
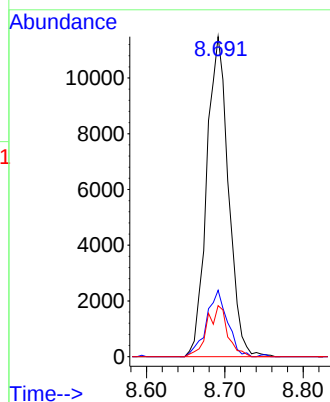
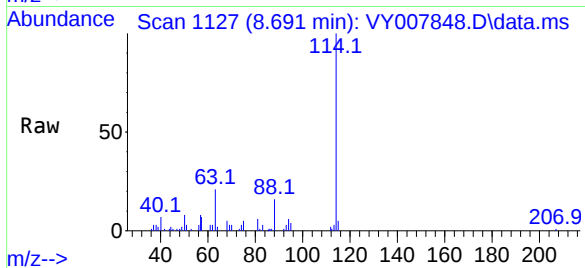
Tgt Ion:114 Resp: 22135

Ion Ratio Lower Upper

114 100

63 20.7 0.0 43.2

88 15.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 58.340 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY007848.D

Acq: 11 Mar 2022 12:42

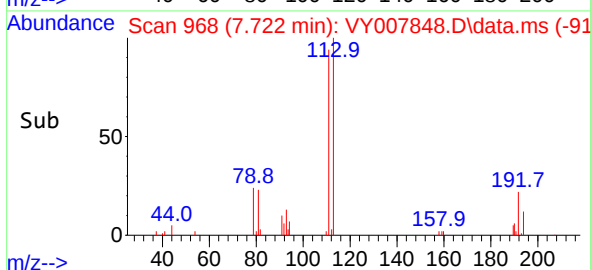
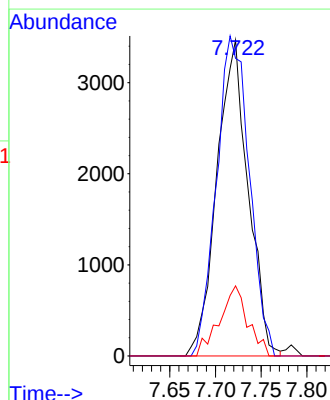
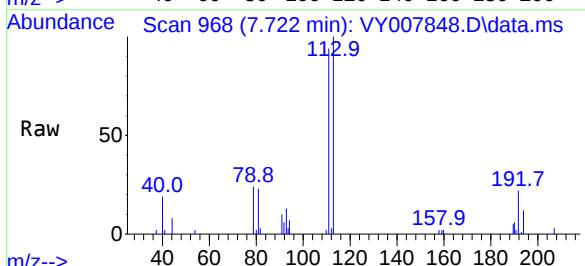
Tgt Ion:113 Resp: 8256

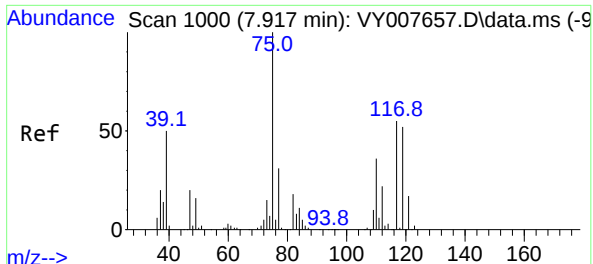
Ion Ratio Lower Upper

113 100

111 106.2 82.6 124.0

192 20.1 17.6 26.4





#36

1,1-Dichloropropene

Concen: 5.597 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY007848.D

Acq: 11 Mar 2022 12:42

Instrument :

MSVOA_Y

ClientSampleId :

SR-EX2B-BASE-02

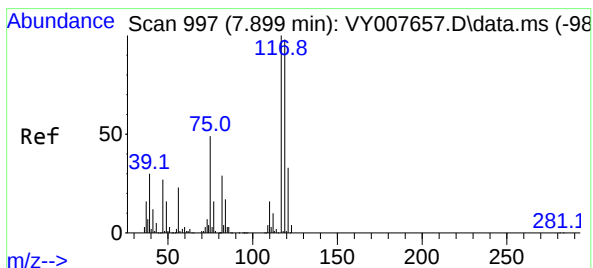
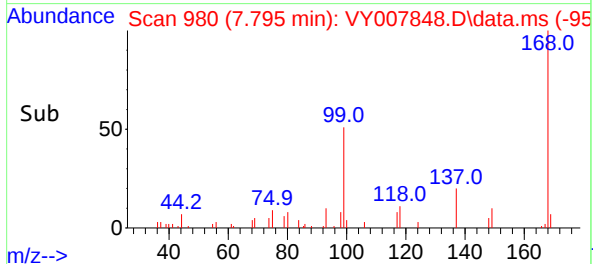
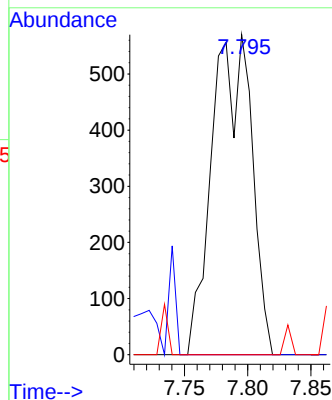
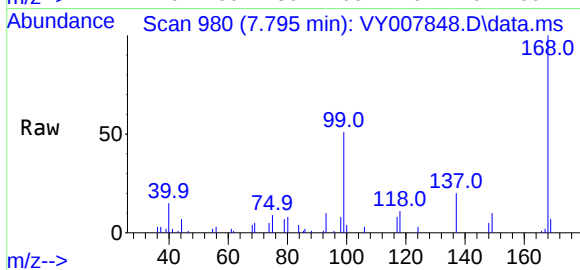
Tgt Ion: 75 Resp: 1246

Ion Ratio Lower Upper

75 100

110 0.0 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.738 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY007848.D

Acq: 11 Mar 2022 12:42

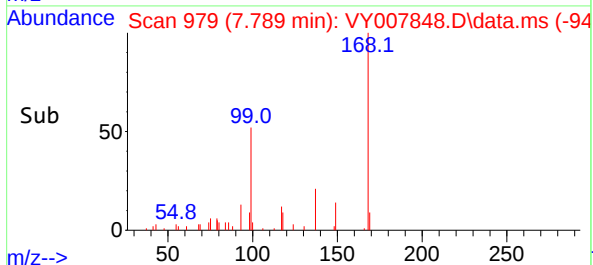
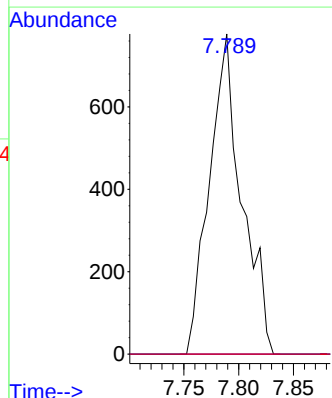
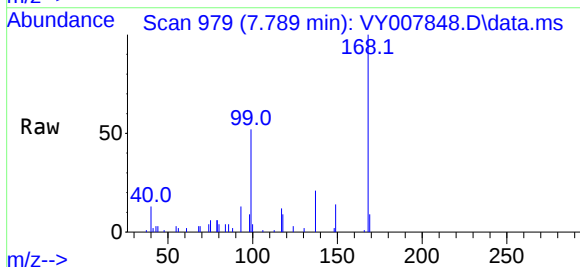
Tgt Ion: 117 Resp: 1600

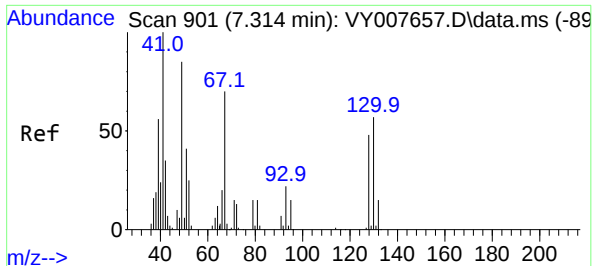
Ion Ratio Lower Upper

117 100

119 0.0 77.9 116.9#

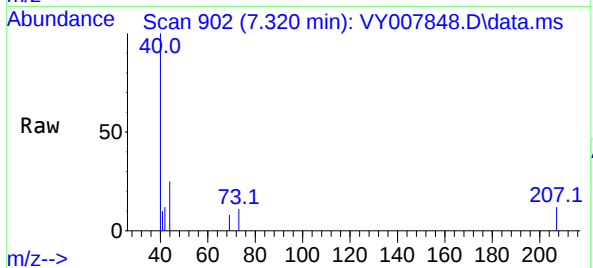
121 0.0 24.8 37.2#



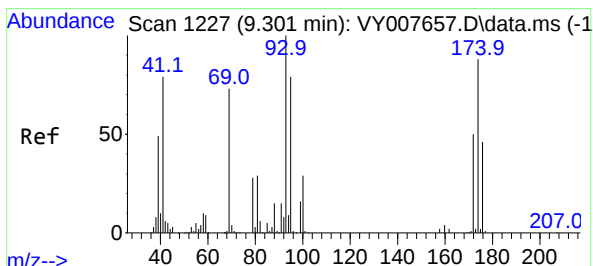
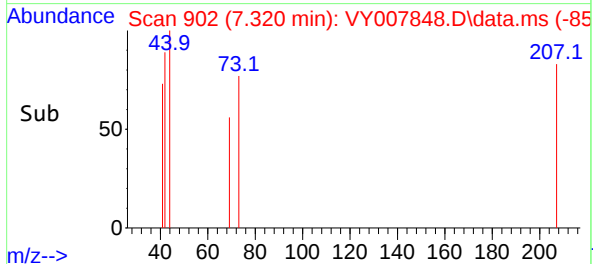
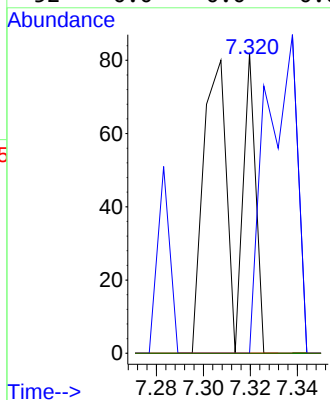


#41
Methacrylonitrile
Concen: 1.430 ug/l
RT: 7.320 min Scan# 901
Delta R.T. 0.006 min
Lab File: VY007848.D
Acq: 11 Mar 2022 12:42

Instrument :
MSVOA_Y
ClientSampleId :
SR-EX2B-BASE-02

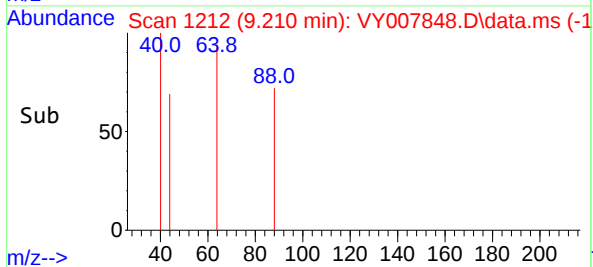
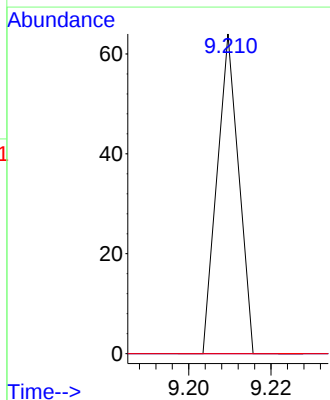
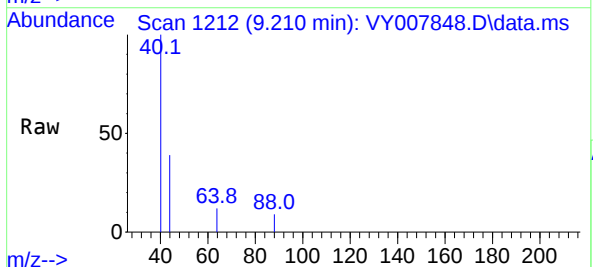


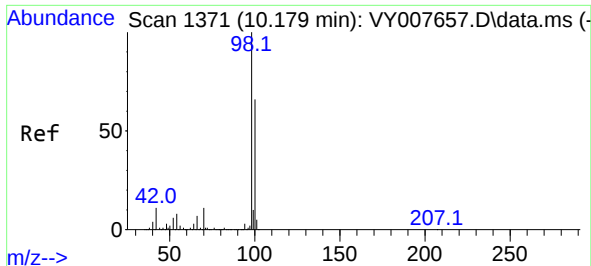
Tgt Ion:	41	Resp:	84
Ion	Ratio	Lower	Upper
41	100		
39	94.0	92.9	139.3
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#49
1,4-Dioxane
Concen: 19.809 ug/l
RT: 9.210 min Scan# 1212
Delta R.T. -0.091 min
Lab File: VY007848.D
Acq: 11 Mar 2022 12:42

Tgt Ion:	88	Resp:	23
Ion	Ratio	Lower	Upper
88	100		
43	0.0	32.8	49.2#
58	0.0	59.8	89.6#

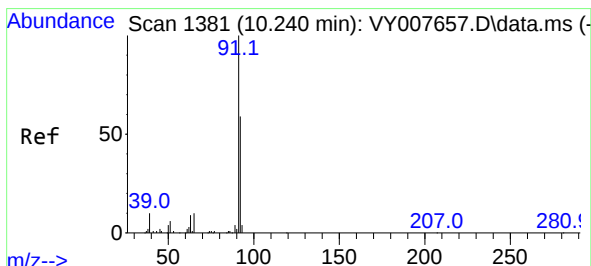
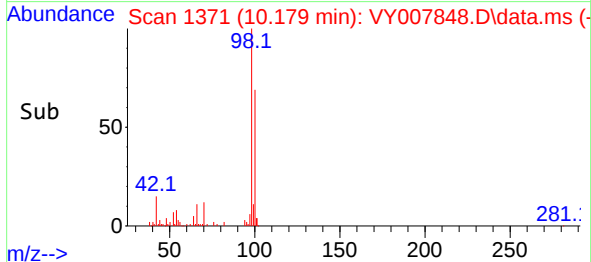
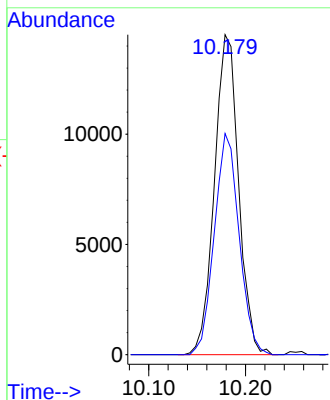
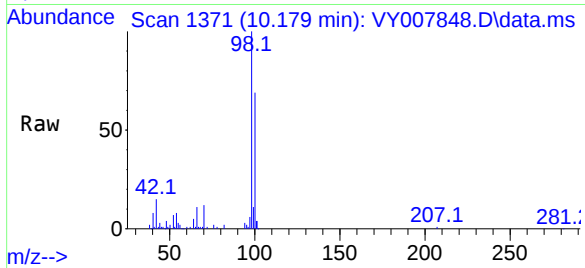




#50
Toluene-d8
Concen: 48.285 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007848.D
Acq: 11 Mar 2022 12:42

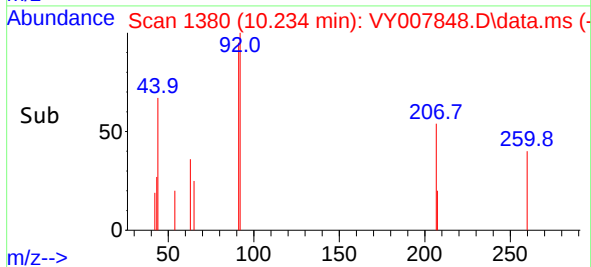
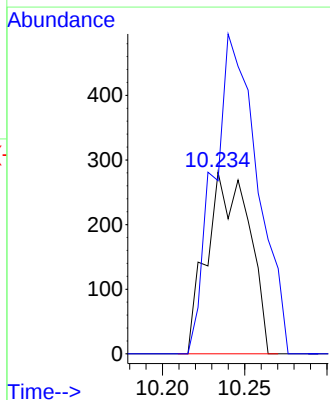
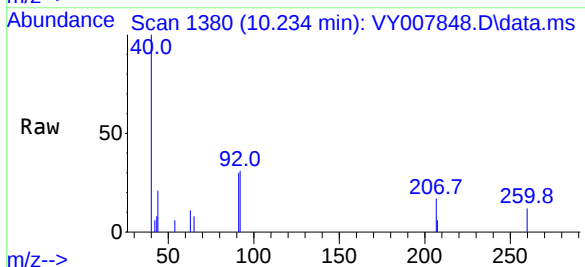
Instrument :
MSVOA_Y
ClientSampleId :
SR-EX2B-BASE-02

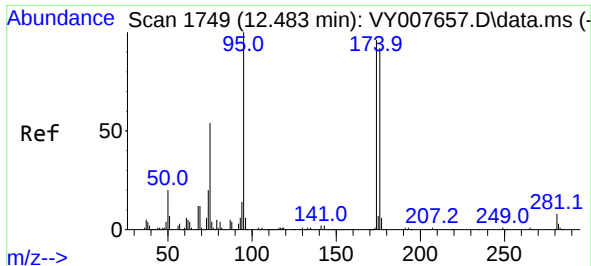
Tgt Ion: 98 Resp: 25153
Ion Ratio Lower Upper
98 100
100 71.0 50.2 75.2



#52
Toluene
Concen: 1.256 ug/l
RT: 10.234 min Scan# 1380
Delta R.T. -0.006 min
Lab File: VY007848.D
Acq: 11 Mar 2022 12:42

Tgt Ion: 92 Resp: 503
Ion Ratio Lower Upper
92 100
91 183.7 142.6 213.8

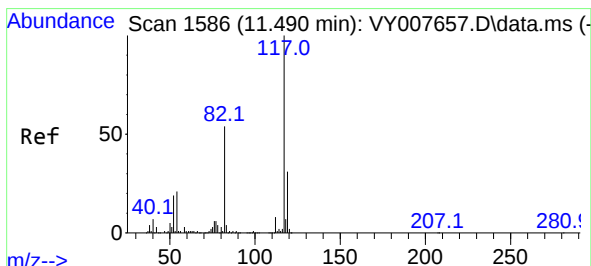
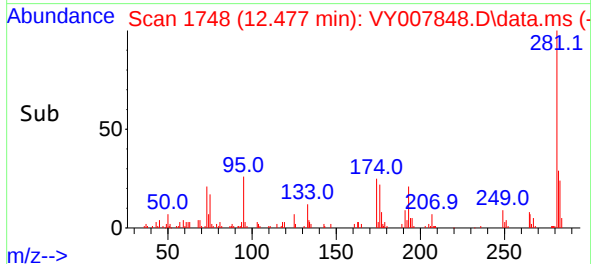
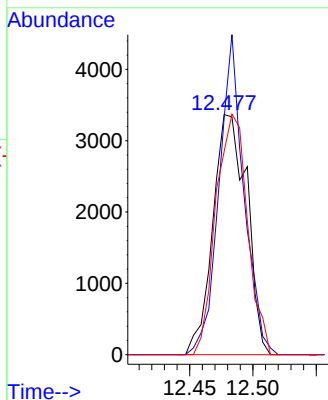
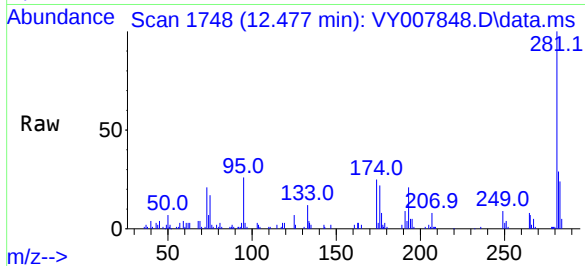




#62
4-Bromofluorobenzene
Concen: 37.352 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY007848.D
Acq: 11 Mar 2022 12:42

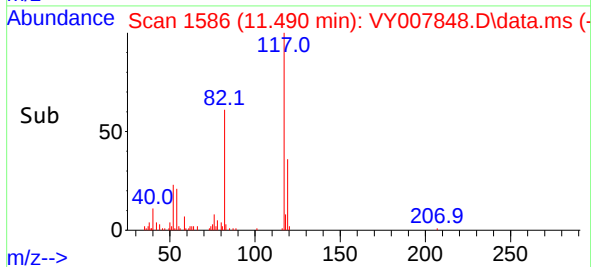
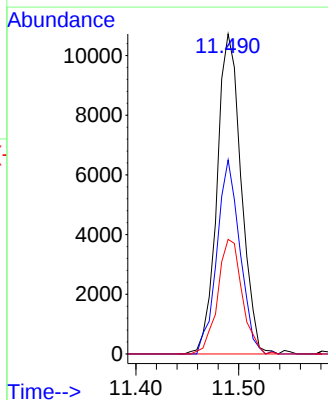
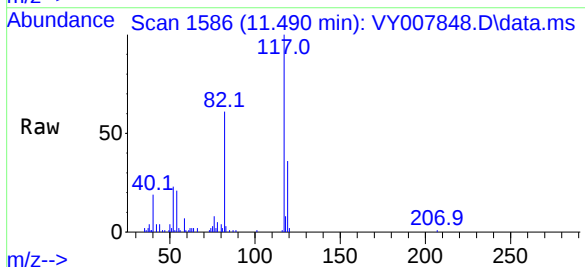
Instrument :
MSVOA_Y
ClientSampleId :
SR-EX2B-BASE-02

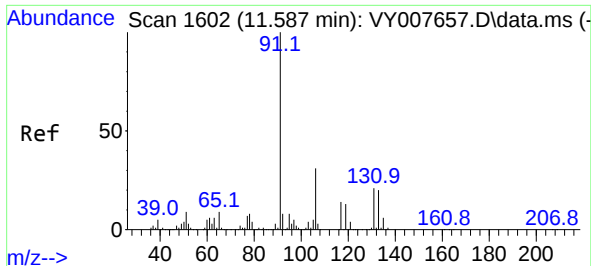
Tgt Ion:	95	Resp:	6272
Ion Ratio	Lower	Upper	
95	100		
174	97.7	0.0	177.0
176	93.4	0.0	175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY007848.D
Acq: 11 Mar 2022 12:42

Tgt Ion:	117	Resp:	17517
Ion Ratio	Lower	Upper	
117	100		
82	60.6	43.0	64.4
119	35.8	25.4	38.0

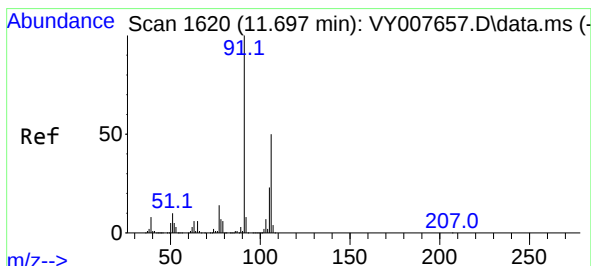
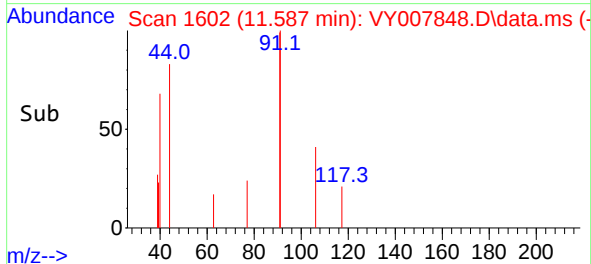
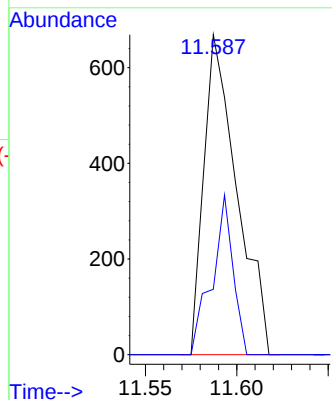
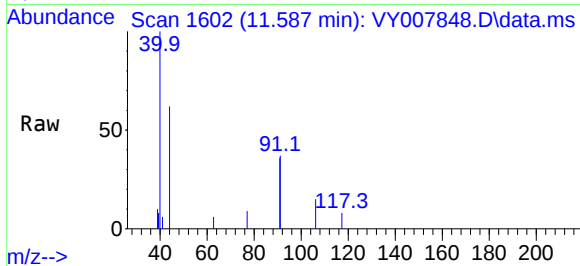




#67
Ethyl Benzene
Concen: 1.225 ug/l
RT: 11.587 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY007848.D
Acq: 11 Mar 2022 12:42

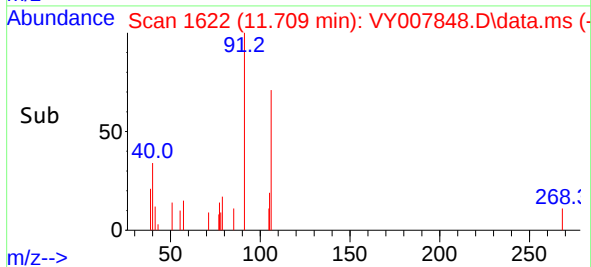
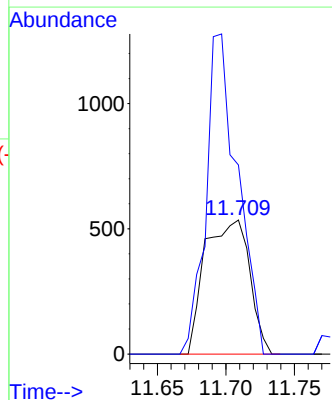
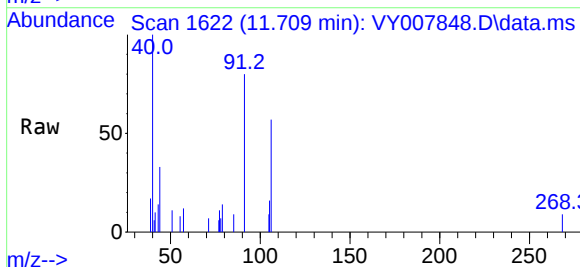
Instrument :
MSVOA_Y
ClientSampleId :
SR-EX2B-BASE-02

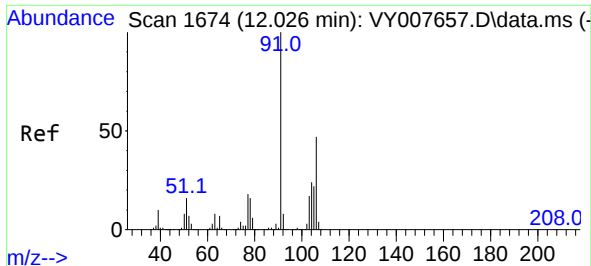
Tgt Ion: 91 Resp: 843
Ion Ratio Lower Upper
91 100
106 20.5 24.5 36.7#



#68
m/p-Xylenes
Concen: 4.575 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.012 min
Lab File: VY007848.D
Acq: 11 Mar 2022 12:42

Tgt Ion: 106 Resp: 1208
Ion Ratio Lower Upper
106 100
91 170.4 166.6 249.8

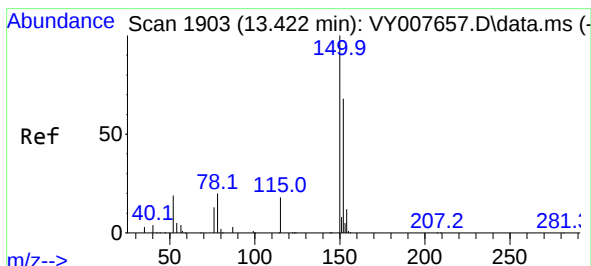
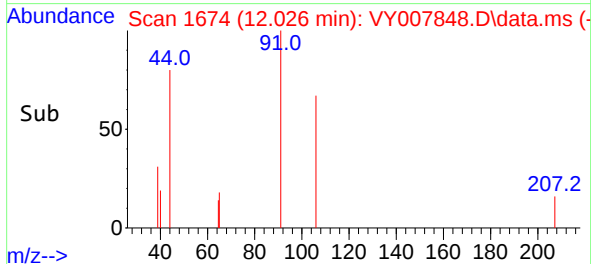
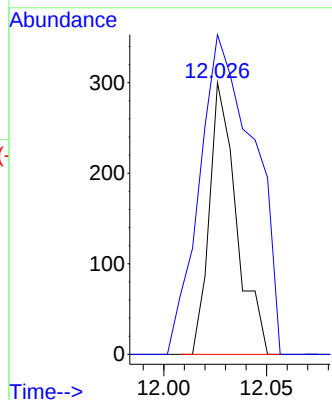
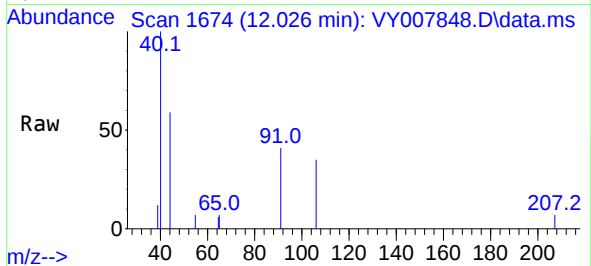




#69
o-Xylene
Concen: 1.099 ug/l
RT: 12.026 min Scan# 110
Delta R.T. 0.000 min
Lab File: VY007848.D
Acq: 11 Mar 2022 12:42

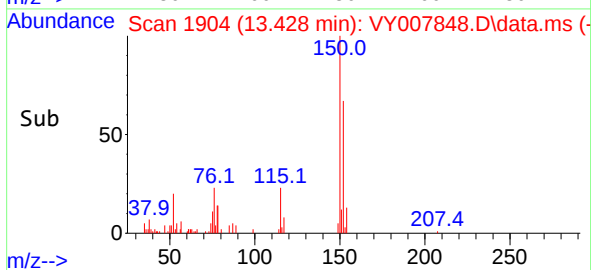
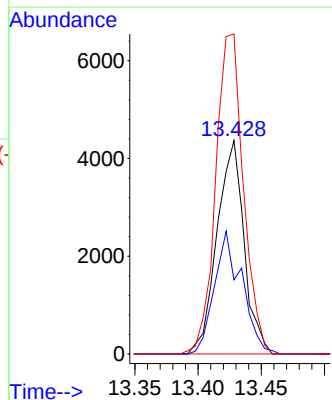
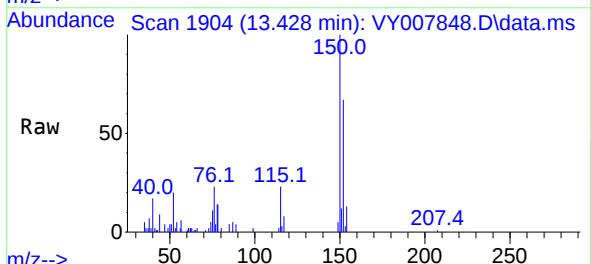
Instrument :
MSVOA_Y
ClientSampleId :
SR-EX2B-BASE-02

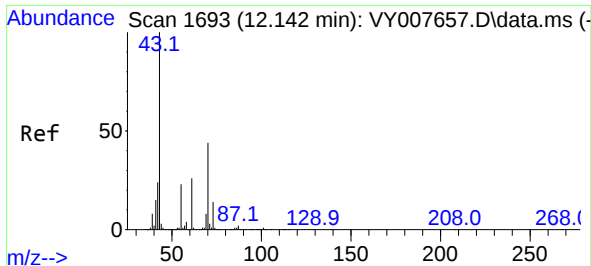
Tgt Ion:106 Resp: 275
Ion Ratio Lower Upper
106 100
91 236.0 110.3 331.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY007848.D
Acq: 11 Mar 2022 12:42

Tgt Ion:152 Resp: 6485
Ion Ratio Lower Upper
152 100
115 58.5 28.2 84.7
150 153.9 0.0 347.6

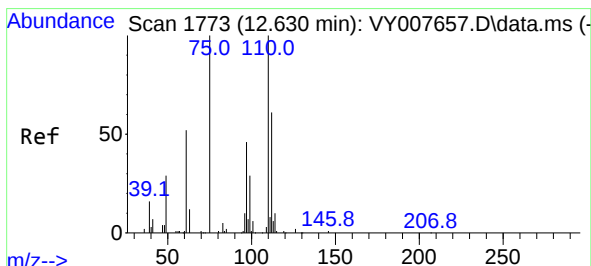
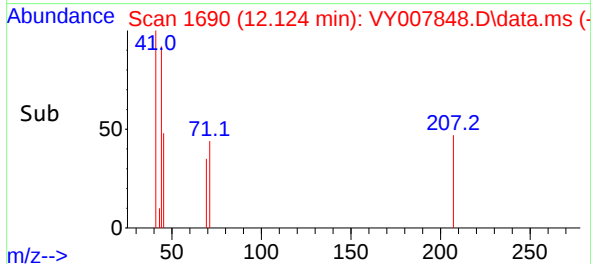
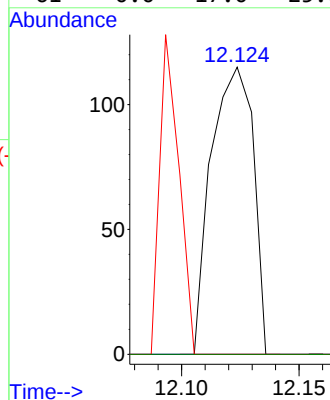
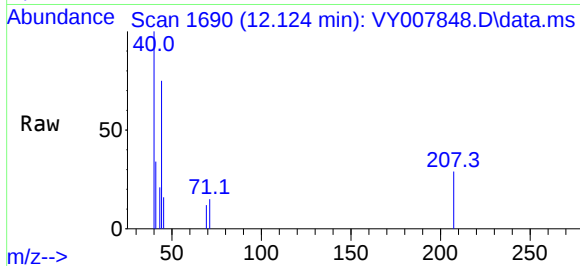




#74
N-amy1 acetate
Concen: 1.063 ug/l
RT: 12.124 min Scan# 1749
Delta R.T. -0.018 min
Lab File: VY007848.D
Acq: 11 Mar 2022 12:42

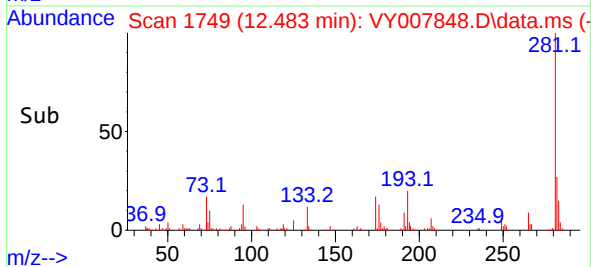
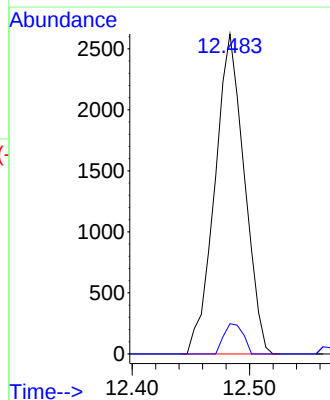
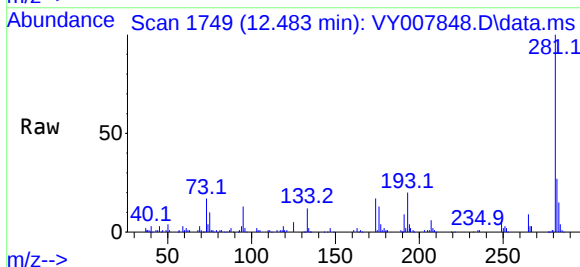
Instrument :
MSVOA_Y
ClientSampleId :
SR-EX2B-BASE-02

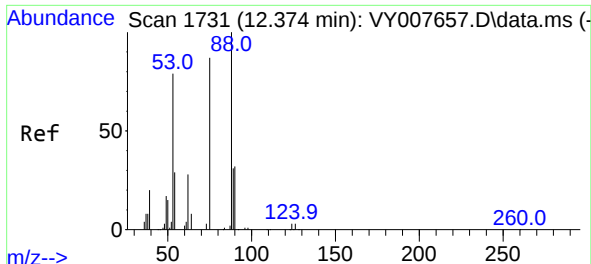
Tgt Ion: 43	Resp:	143	
Ion	Ratio	Lower	Upper
43	100		
70	0.0	28.7	43.1#
55	0.0	17.3	25.9#
61	0.0	17.0	25.6#



#76
1,2,3-Trichloropropane
Concen: 63.088 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY007848.D
Acq: 11 Mar 2022 12:42

Tgt Ion: 75	Resp:	4569	
Ion	Ratio	Lower	Upper
75	100		
77	6.2	0.0	0.0#

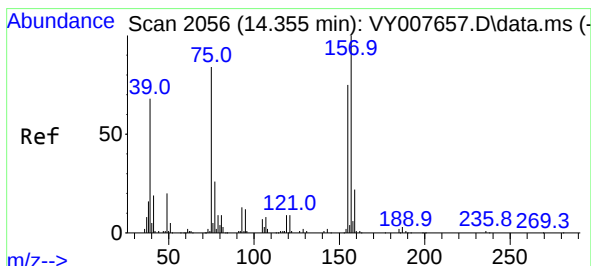
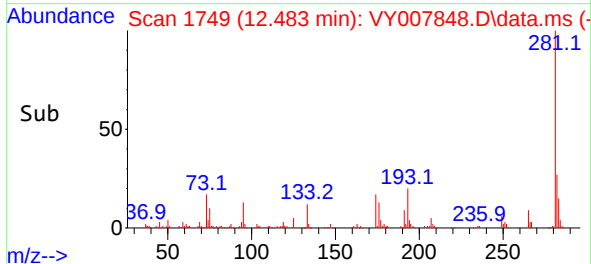
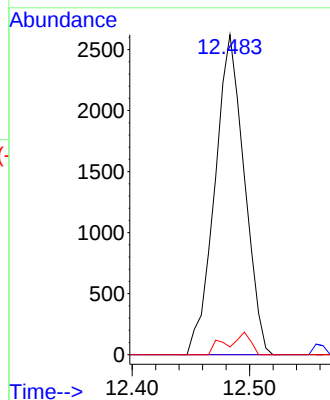
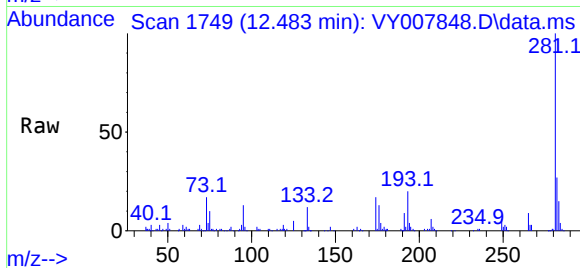




#81
trans-1,4-Dichloro-2-butene
Concen: 128.976 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.109 min
Lab File: VY007848.D
Acq: 11 Mar 2022 12:42

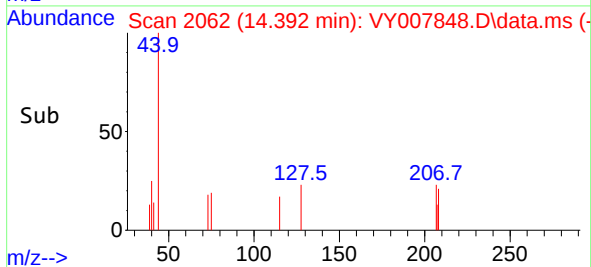
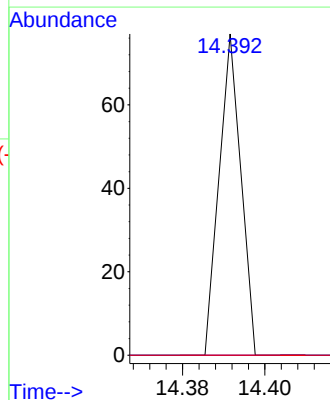
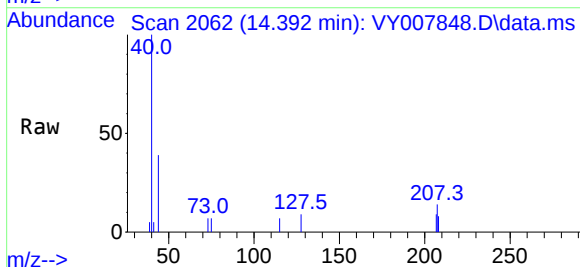
Instrument :
MSVOA_Y
ClientSampleId :
SR-EX2B-BASE-02

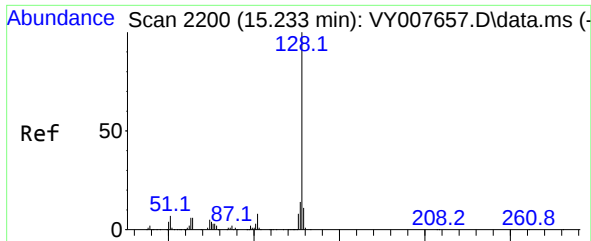
Tgt Ion: 75 Resp: 4569
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 5.5 37.0 55.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.745 ug/l
RT: 14.392 min Scan# 2062
Delta R.T. 0.037 min
Lab File: VY007848.D
Acq: 11 Mar 2022 12:42

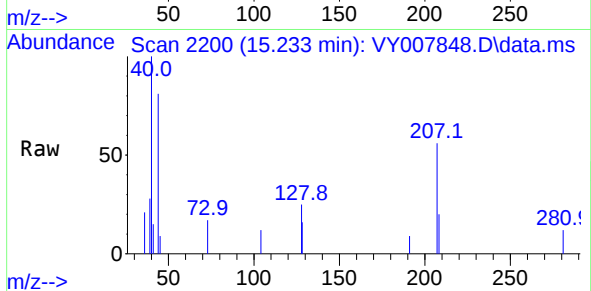
Tgt Ion: 75 Resp: 28
Ion Ratio Lower Upper
75 100
155 0.0 38.0 113.9#
157 0.0 47.8 143.3#





#95
Naphthalene
Concen: 1.344 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY007848.D
Acq: 11 Mar 2022 12:42

Instrument :
MSVOA_Y
ClientSampleId :
SR-EX2B-BASE-02



Tgt Ion:128 Resp: 356
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

