

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041822\
 Data File : VY008375.D
 Acq On : 18 Apr 2022 15:56
 Operator : KP/MD
 Sample : N2427-01
 Misc : 6.24g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-1

Quant Time: Apr 19 06:30:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 08 16:02:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	33765	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	49719	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	36037	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	11876	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	10161	32.037	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	64.080%
35) Dibromofluoromethane	7.716	113	12901	44.925	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.840%
50) Toluene-d8	10.179	98	55994	56.984	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	113.960%
62) 4-Bromofluorobenzene	12.483	95	12730	34.443	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	68.880%

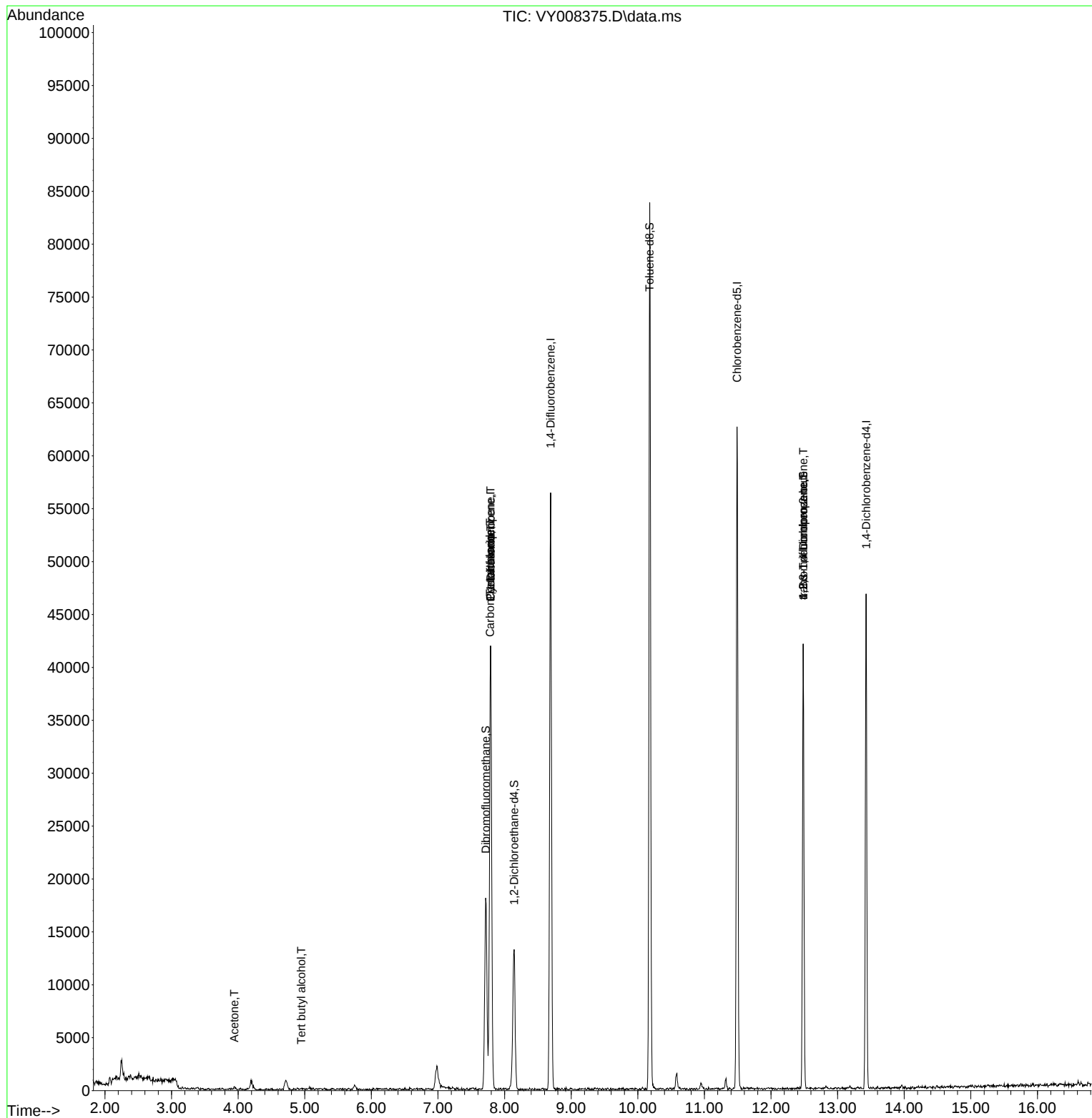
Target Compounds					Qvalue	
3) Chloromethane	2.119	50	48	Below Cal	#	44
5) Bromomethane	2.674	94	127	Below Cal	#	72
11) Tert butyl alcohol	4.948	59	64	1.888	ug/l #	77
16) Acetone	3.942	43	450	5.899	ug/l	100
20) Methylene Chloride	4.716	84	732	Below Cal	#	90
31) Cyclohexane	7.789	56	649	1.132	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	2693	5.873	ug/l #	48
38) Carbon Tetrachloride	7.783	117	3299	6.687	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	6431	48.962	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	6431	109.552	ug/l #	7

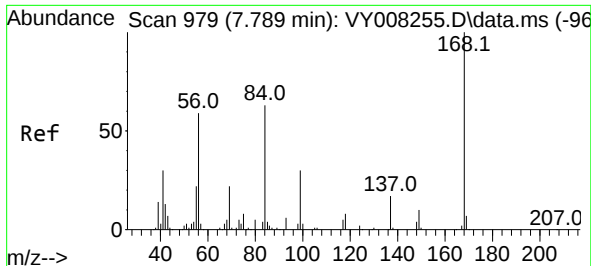
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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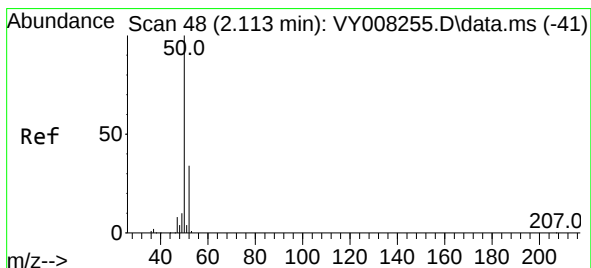
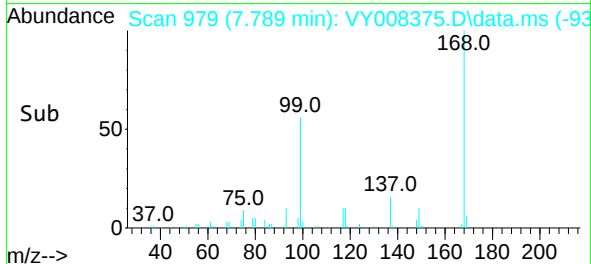
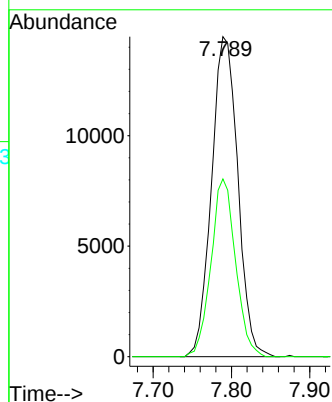
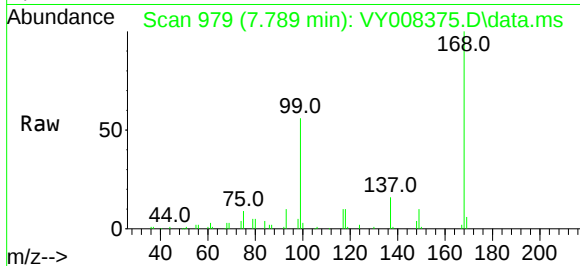




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY008375.D
Acq: 18 Apr 2022 15:56

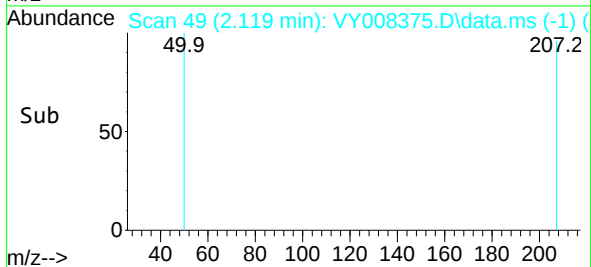
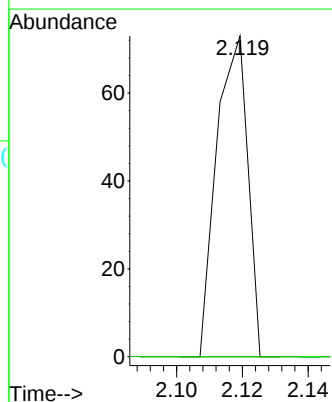
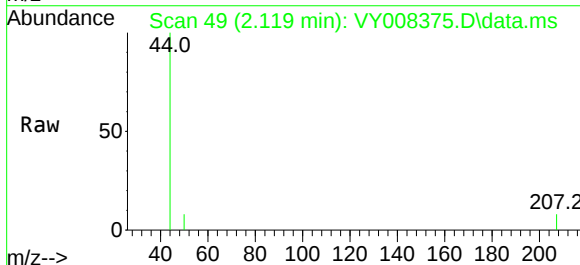
Instrument :
MSVOA_Y
ClientSampleId :
SB-1

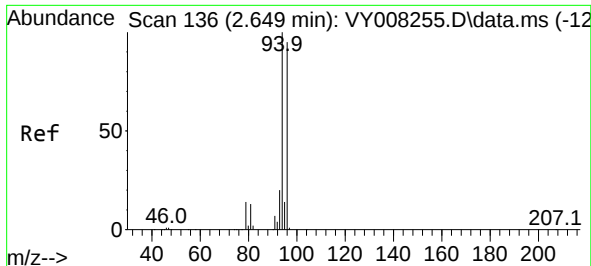
Tgt Ion:168 Resp: 33765
Ion Ratio Lower Upper
168 100
99 55.5 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY008375.D
Acq: 18 Apr 2022 15:56

Tgt Ion: 50 Resp: 48
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

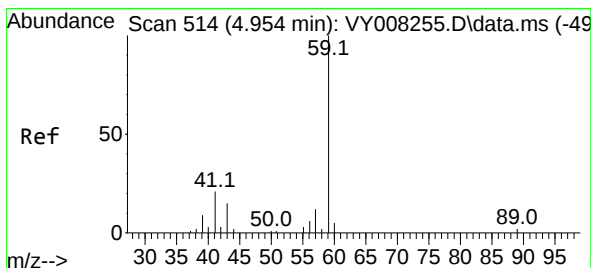
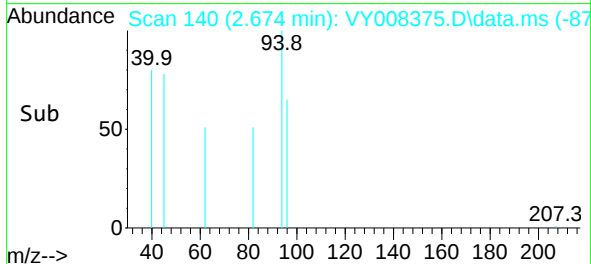
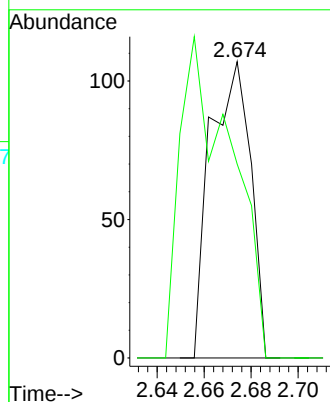
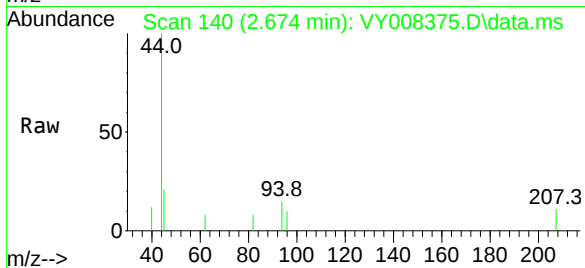




#5
Bromomethane
Concen: Below Cal
RT: 2.674 min Scan# 14
Delta R.T. 0.025 min
Lab File: VY008375.D
Acq: 18 Apr 2022 15:56

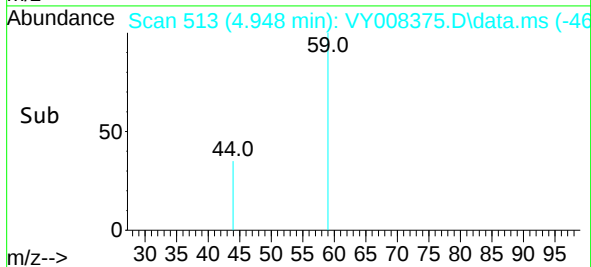
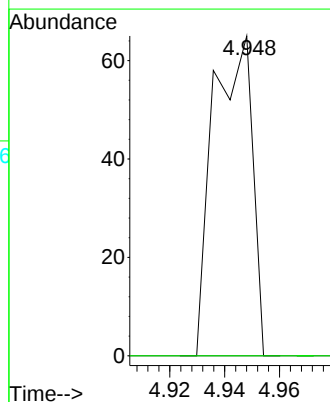
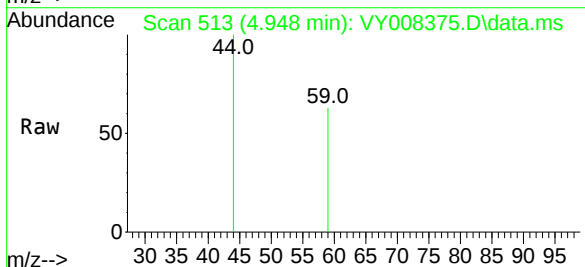
Instrument :
MSVOA_Y
ClientSampleId :
SB-1

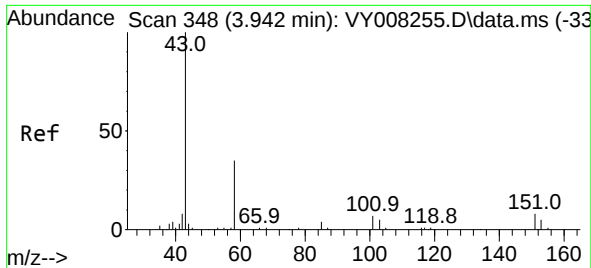
Tgt Ion: 94 Resp: 127
Ion Ratio Lower Upper
94 100
96 65.4 73.5 110.3#



#11
Tert butyl alcohol
Concen: 1.888 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.006 min
Lab File: VY008375.D
Acq: 18 Apr 2022 15:56

Tgt Ion: 59 Resp: 64
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

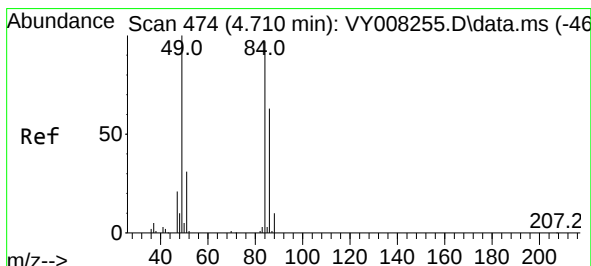
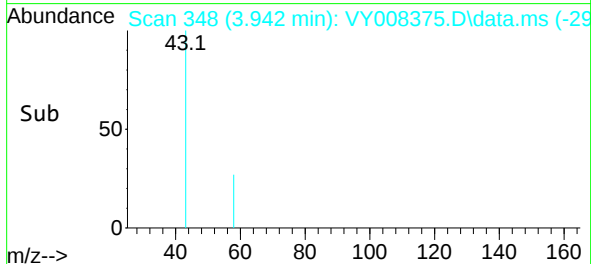
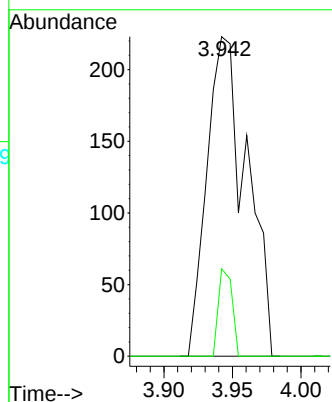
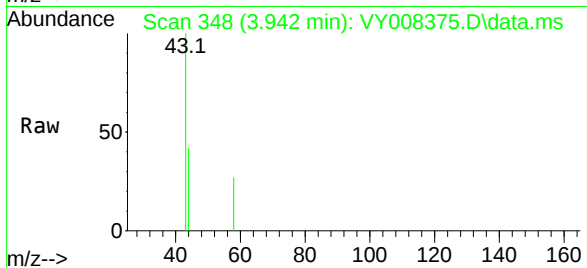




#16
Acetone
Concen: 5.899 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY008375.D
Acq: 18 Apr 2022 15:56

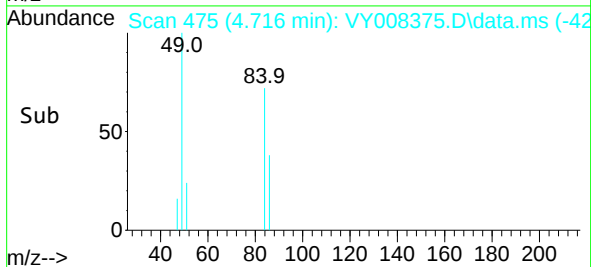
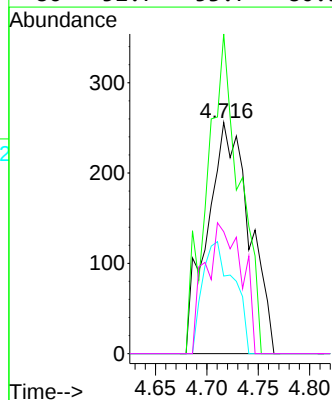
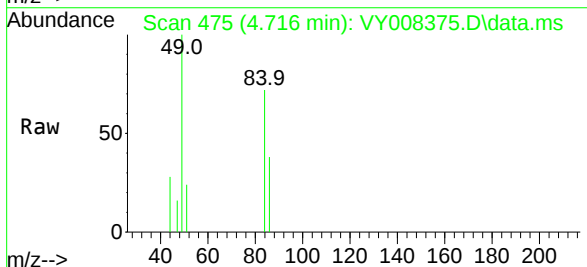
Instrument :
MSVOA_Y
ClientSampleId :
SB-1

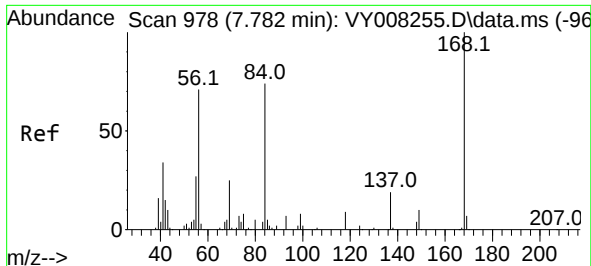
Tgt Ion: 43 Resp: 450
Ion Ratio Lower Upper
43 100
58 27.4 22.0 33.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY008375.D
Acq: 18 Apr 2022 15:56

Tgt Ion: 84 Resp: 732
Ion Ratio Lower Upper
84 100
49 138.3 114.4 171.6
51 33.6 35.3 52.9#
86 52.7 53.7 80.5#

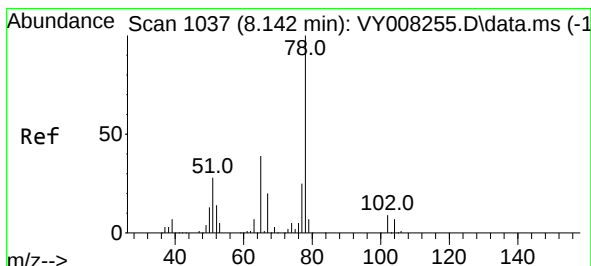
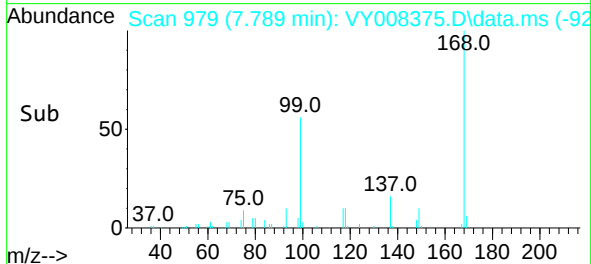
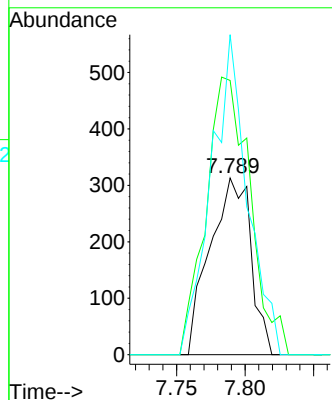
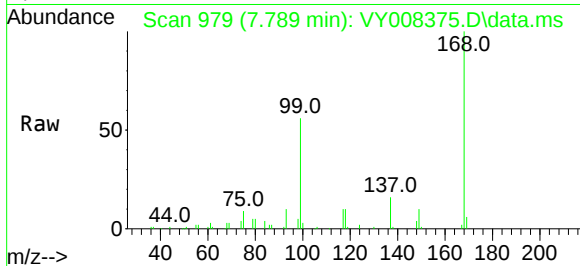




#31
Cyclohexane
Concen: 1.132 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.007 min
Lab File: VY008375.D
Acq: 18 Apr 2022 15:56

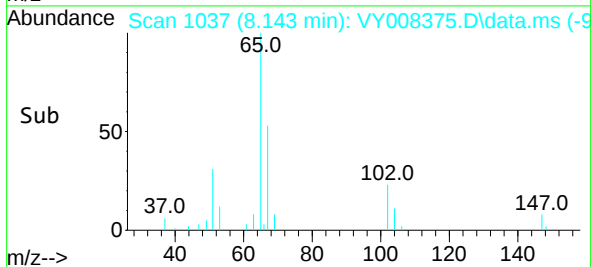
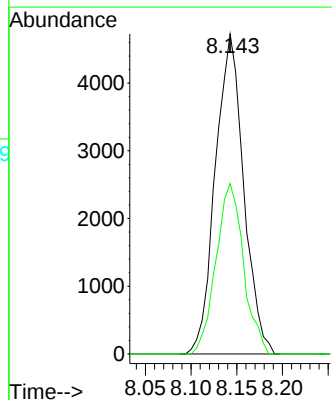
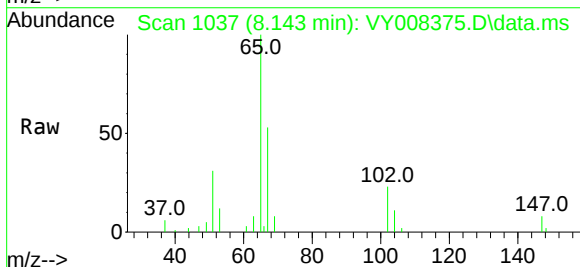
Instrument :
MSVOA_Y
ClientSampleId :
SB-1

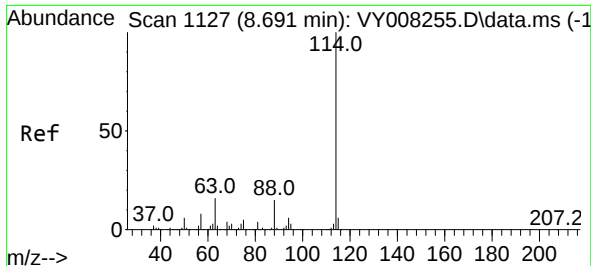
Tgt Ion: 56 Resp: 649
Ion Ratio Lower Upper
56 100
69 155.3 26.7 40.1#
84 181.2 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 32.037 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY008375.D
Acq: 18 Apr 2022 15:56

Tgt Ion: 65 Resp: 10161
Ion Ratio Lower Upper
65 100
67 51.8 0.0 99.4

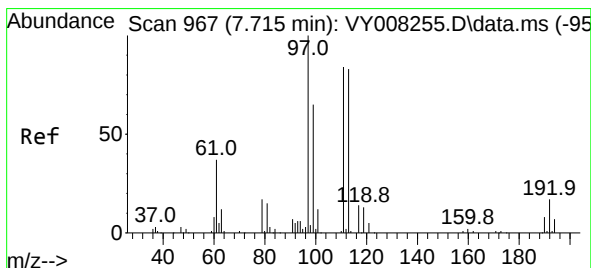
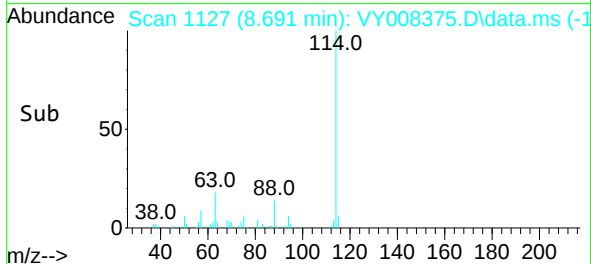
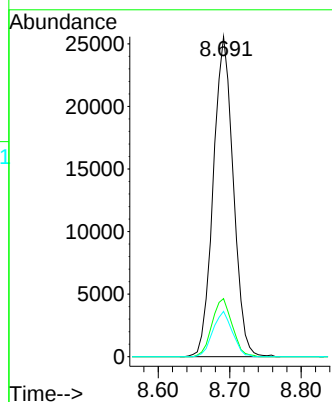
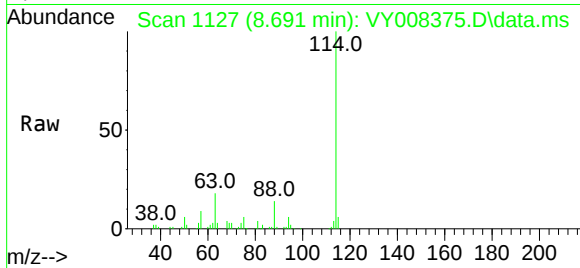




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY008375.D
Acq: 18 Apr 2022 15:56

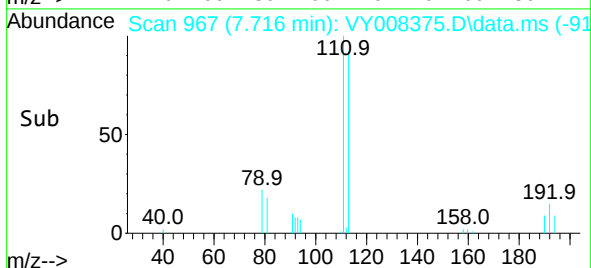
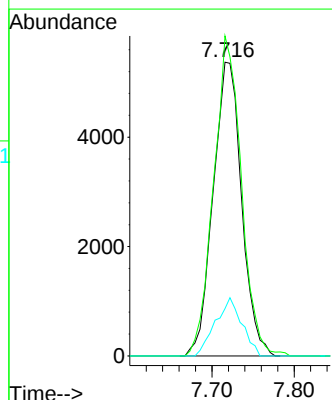
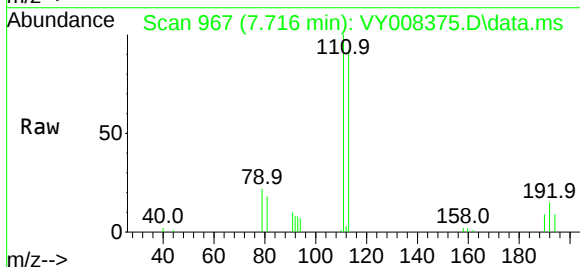
Instrument :
MSVOA_Y
ClientSampleId :
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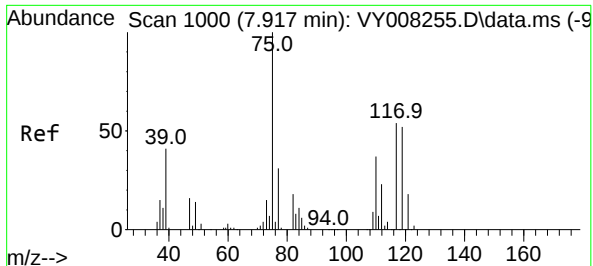
Tgt Ion:	114	Resp:	49719
Ion Ratio	Lower	Upper	
114	100		
63	18.2	0.0	43.2
88	14.1	0.0	31.8



#35
Dibromofluoromethane
Concen: 44.925 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.001 min
Lab File: VY008375.D
Acq: 18 Apr 2022 15:56

Tgt Ion:	113	Resp:	12901
Ion Ratio	Lower	Upper	
113	100		
111	106.1	82.6	124.0
192	18.4	17.6	26.4





#36

1,1-Dichloropropene

Concen: 5.873 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY008375.D

Acq: 18 Apr 2022 15:56

Instrument :

MSVOA_Y

ClientSampleId :

SB-1

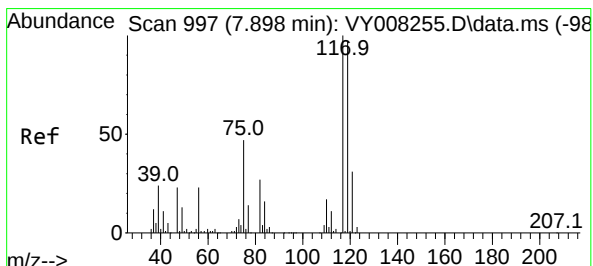
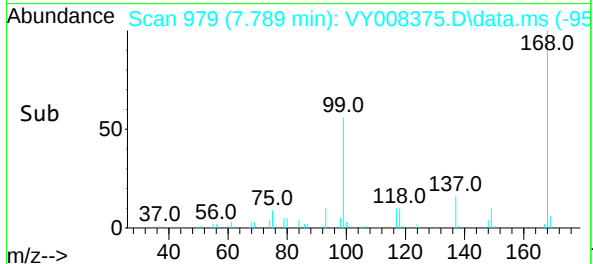
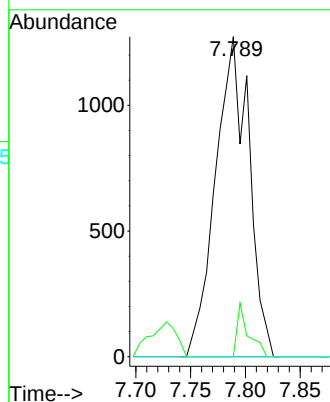
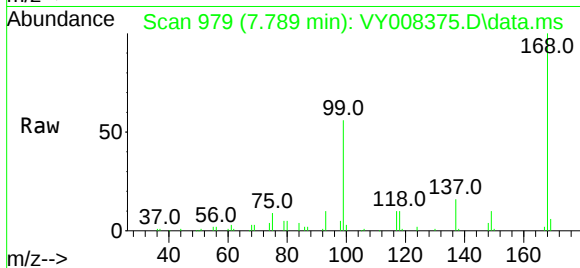
Tgt Ion: 75 Resp: 2693

Ion Ratio Lower Upper

75 100

110 5.7 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.687 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.115 min

Lab File: VY008375.D

Acq: 18 Apr 2022 15:56

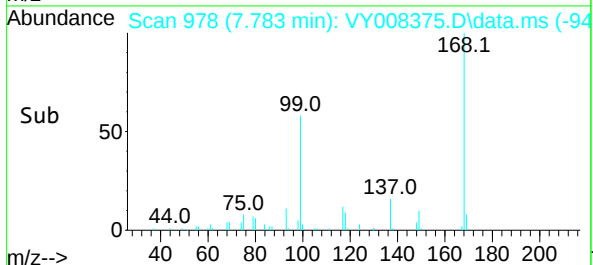
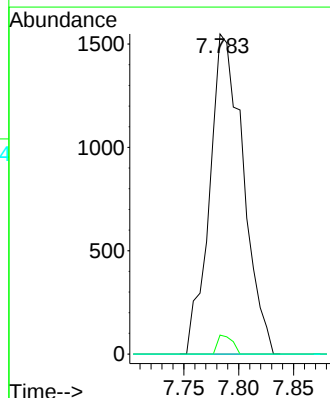
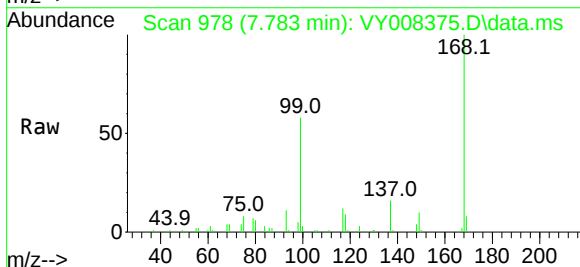
Tgt Ion: 117 Resp: 3299

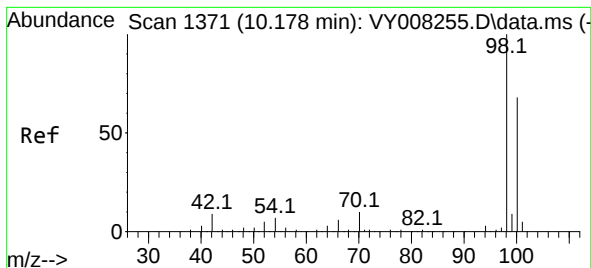
Ion Ratio Lower Upper

117 100

119 5.9 77.9 116.9#

121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 56.984 ug/l

RT: 10.179 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY008375.D

Acq: 18 Apr 2022 15:56

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ClientSampleId :

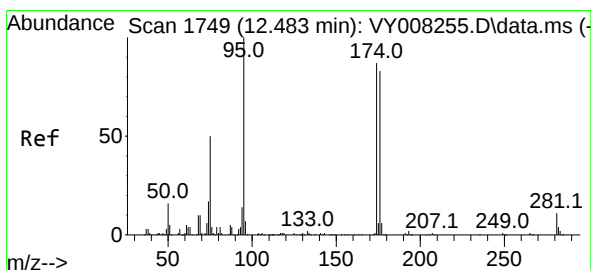
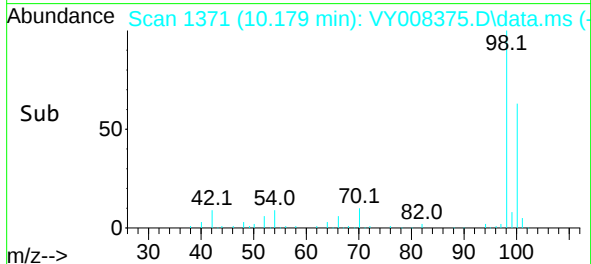
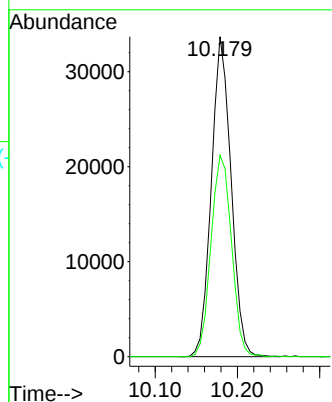
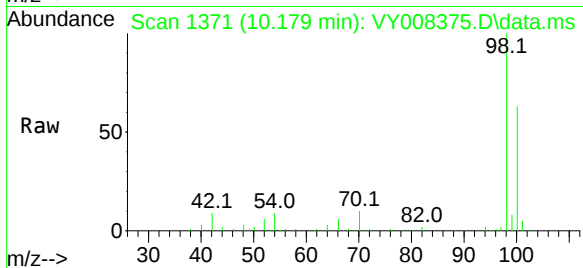
SB-1

Tgt Ion: 98 Resp: 55994

Ion Ratio Lower Upper

98 100

100 65.6 50.2 75.2



#62

4-Bromofluorobenzene

Concen: 34.443 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY008375.D

Acq: 18 Apr 2022 15:56

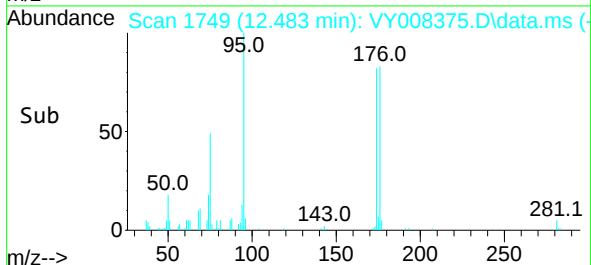
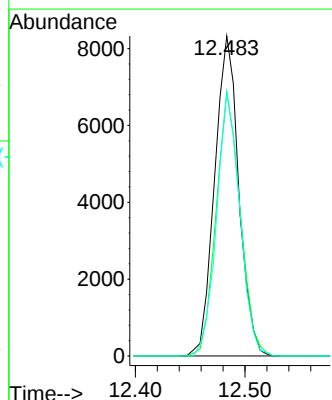
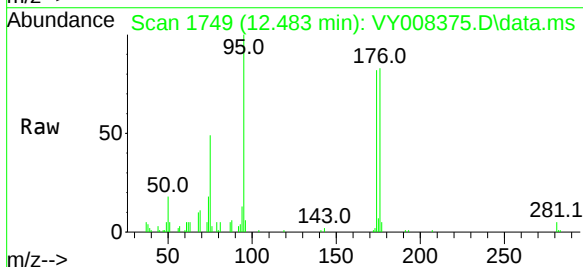
Tgt Ion: 95 Resp: 12730

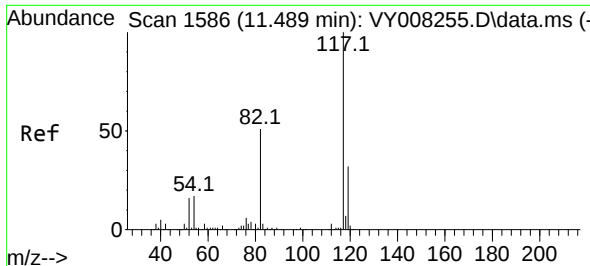
Ion Ratio Lower Upper

95 100

174 82.1 0.0 177.0

176 79.4 0.0 175.8

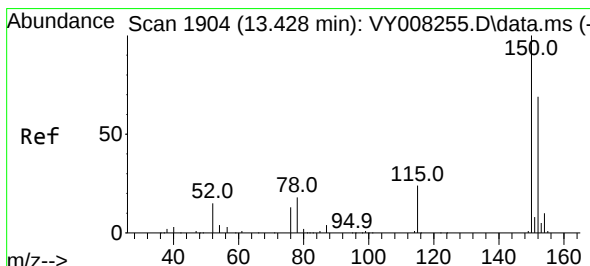
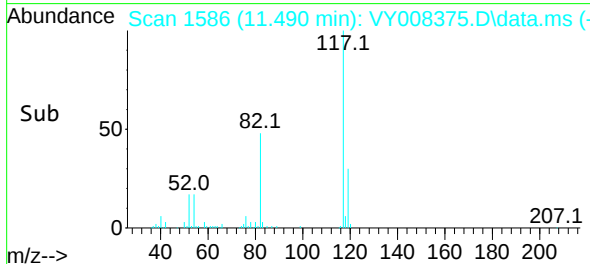
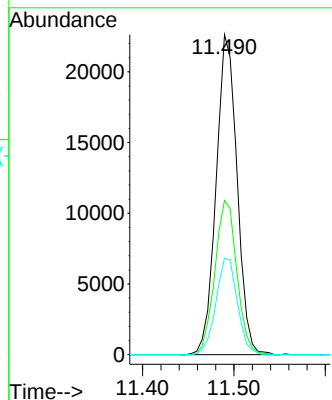
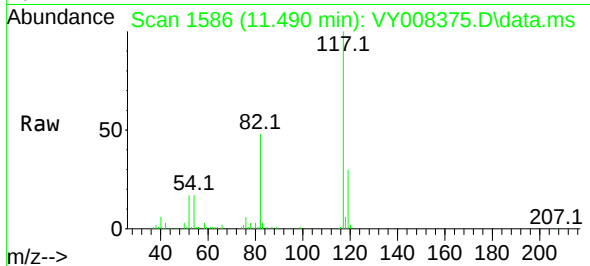




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY008375.D
Acq: 18 Apr 2022 15:56

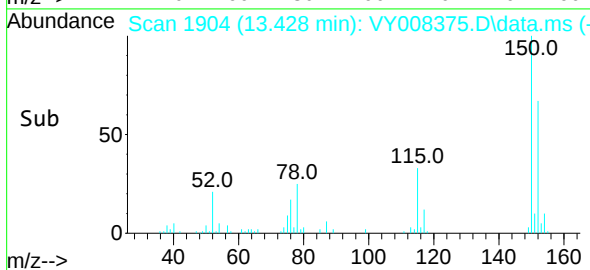
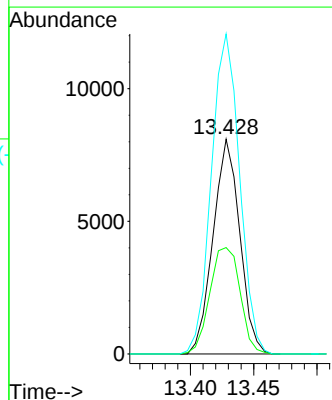
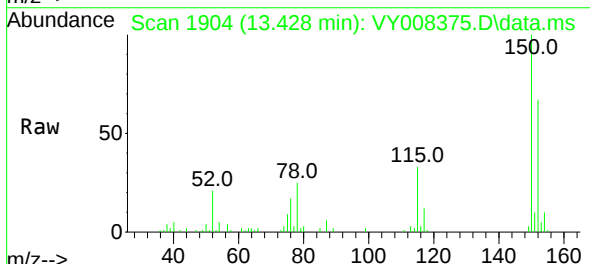
Instrument :
MSVOA_Y
ClientSampleId :
SB-1

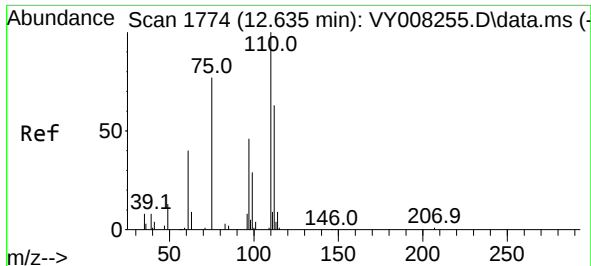
Tgt Ion:117 Resp: 36037
Ion Ratio Lower Upper
117 100
82 48.2 43.0 64.4
119 30.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008375.D
Acq: 18 Apr 2022 15:56

Tgt Ion:152 Resp: 11876
Ion Ratio Lower Upper
152 100
115 56.2 28.2 84.7
150 157.5 0.0 347.6

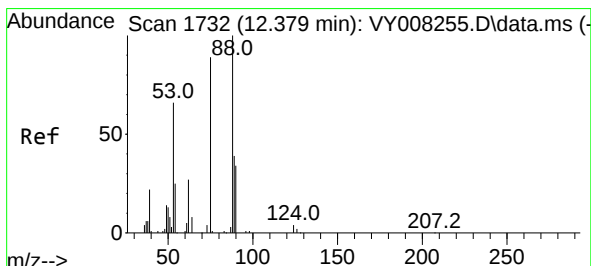
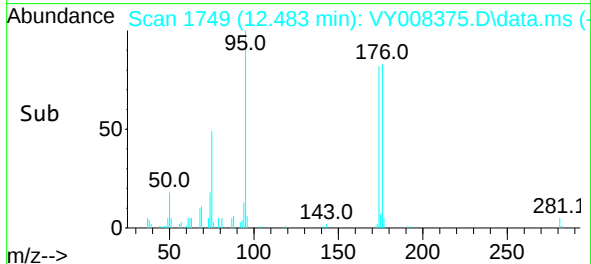
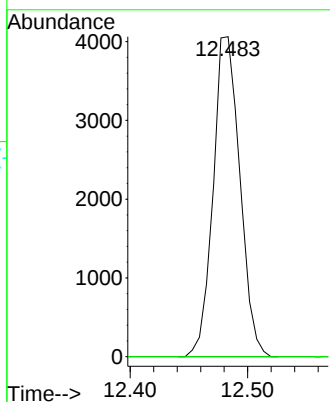
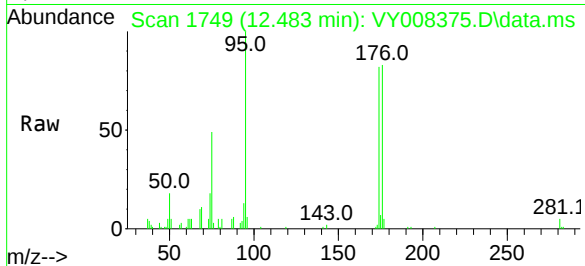




#76
1,2,3-Trichloropropane
Concen: 48.962 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY008375.D
Acq: 18 Apr 2022 15:56

Instrument :
MSVOA_Y
ClientSampleId :
SB-1

Tgt Ion: 75 Resp: 6431
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 109.552 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008375.D
Acq: 18 Apr 2022 15:56

Tgt Ion: 75 Resp: 6431
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

