

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051322\
 Data File : VY008748.D
 Acq On : 13 May 2022 14:51
 Operator : KP/MD
 Sample : N2781-13
 Misc : 5.92g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P011-SS003-1824-01

Quant Time: May 16 05:52:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051222S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 13 02:08:33 2022
 Response via : Initial Calibration

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

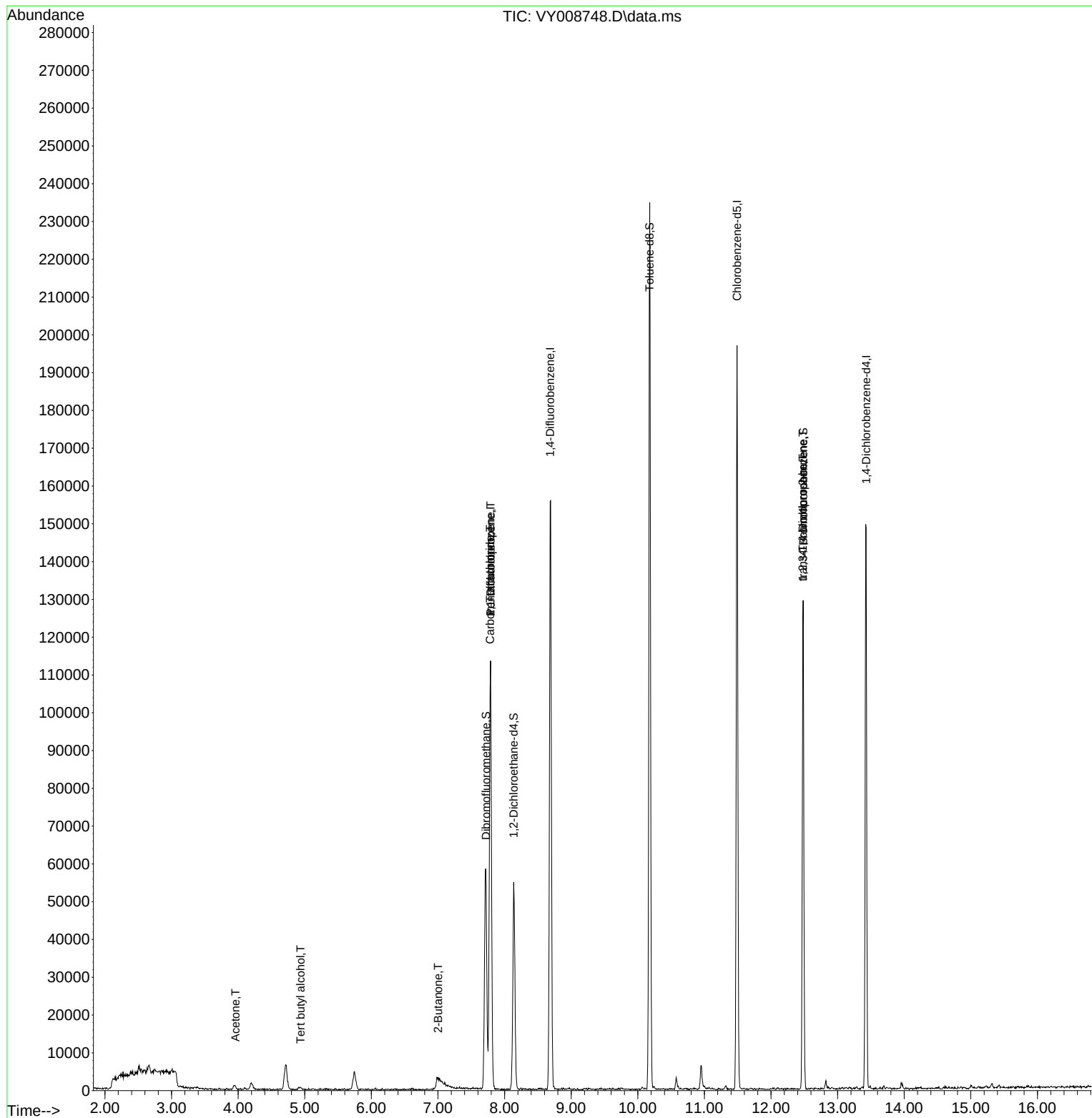
Internal Standards						
1) Pentafluorobenzene	7.789	168	85209	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	136548	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	103522	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	37448	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	38891	45.830	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.660%
35) Dibromofluoromethane	7.722	113	40083	48.909	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.820%
50) Toluene-d8	10.179	98	154225	49.900	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.800%
62) 4-Bromofluorobenzene	12.483	95	35810	33.441	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	66.880%
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	535	Below Cal	#	82
4) Vinyl Chloride	2.229	62	189	Below Cal	#	41
5) Bromomethane	2.668	94	1281	Below Cal		100
6) Chloroethane	2.796	64	64	Below Cal	#	42
11) Tert butyl alcohol	4.936	59	405	2.049	ug/l #	76
16) Acetone	3.960	43	1914	6.974	ug/l	98
18) Methyl Acetate	4.680	43	23	Below Cal	#	49
20) Methylene Chloride	4.710	84	4945	Below Cal		93
25) 2-Butanone	7.003	43	318	1.056	ug/l #	43
31) Cyclohexane	7.777	56	2138	Below Cal	#	49
36) 1,1-Dichloropropene	7.789	75	7846	5.987	ug/l #	49
38) Carbon Tetrachloride	7.783	117	9275	6.708	ug/l #	13
76) 1,2,3-Trichloropropane	12.477	75	20727	55.003	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	20727	106.261	ug/l #	16

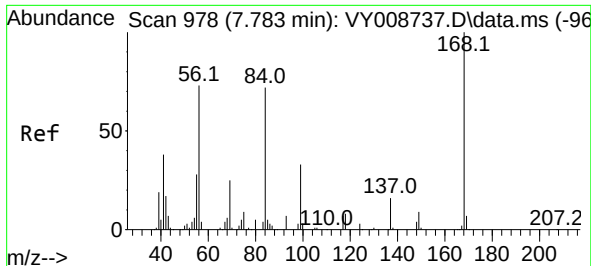
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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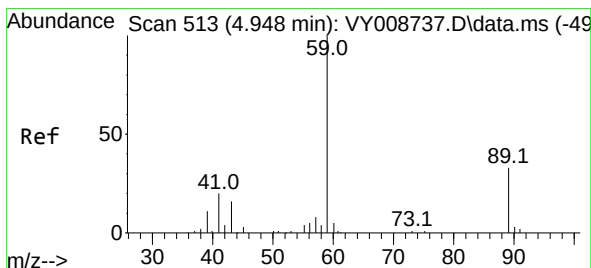
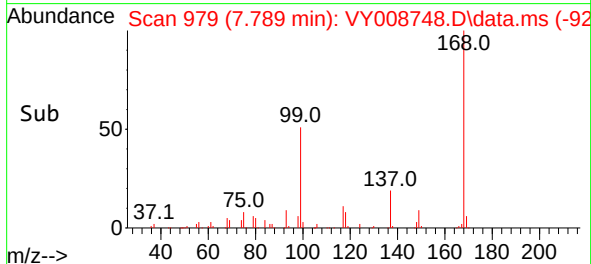
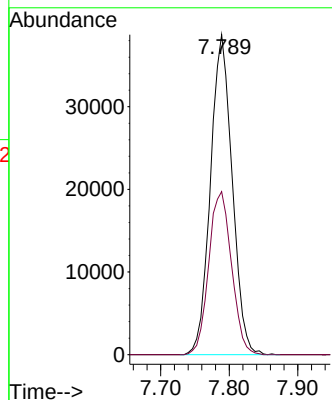
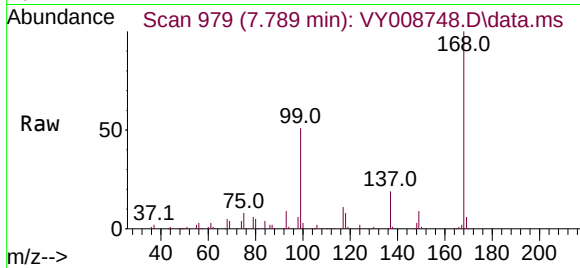




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008748.D
Acq: 13 May 2022 14:51

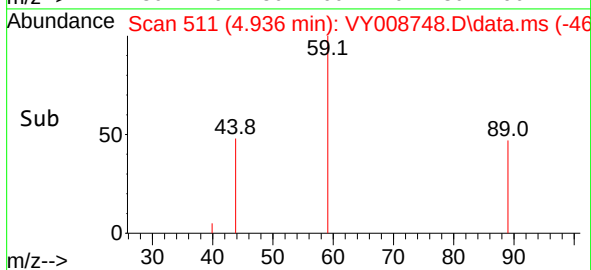
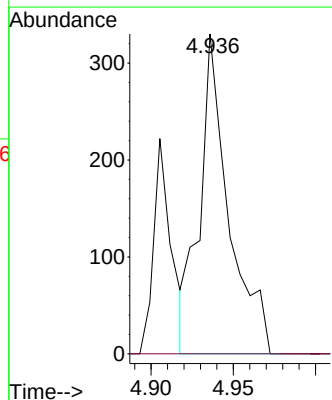
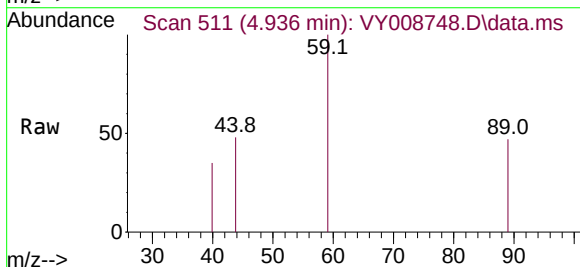
Instrument :
MSVOA_Y
ClientSampleId :
P011-SS003-1824-01

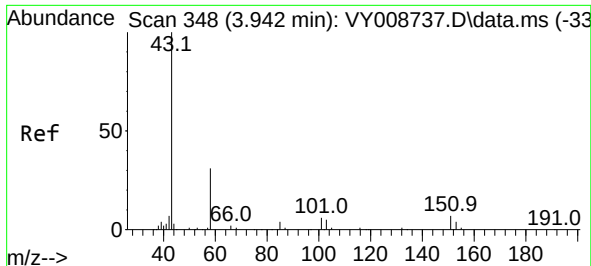
Tgt Ion:168 Resp: 85209
Ion Ratio Lower Upper
168 100
99 50.9 42.3 63.5



#11
Tert butyl alcohol
Concen: 2.049 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY008748.D
Acq: 13 May 2022 14:51

Tgt Ion: 59 Resp: 405
Ion Ratio Lower Upper
59 100
57 0.0 6.7 10.1#

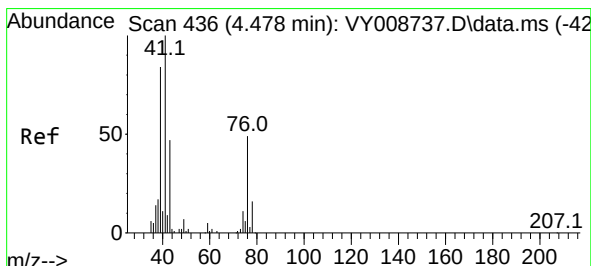
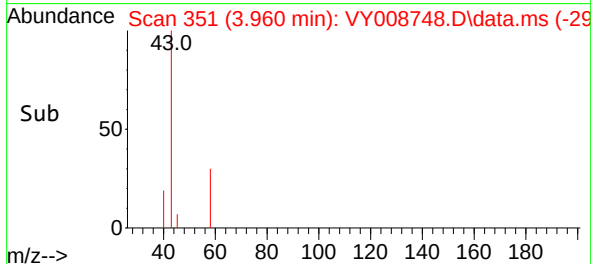
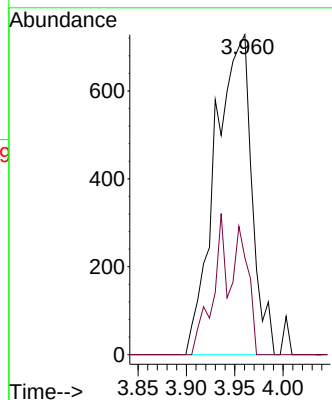
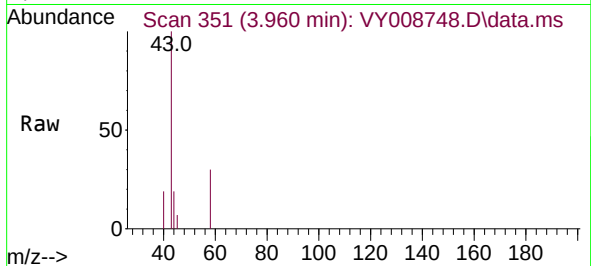




#16
Acetone
Concen: 6.974 ug/l
RT: 3.960 min Scan# 311
Delta R.T. 0.018 min
Lab File: VY008748.D
Acq: 13 May 2022 14:51

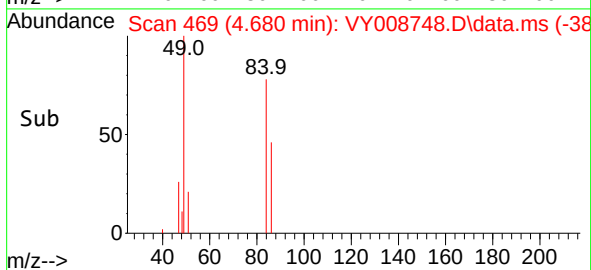
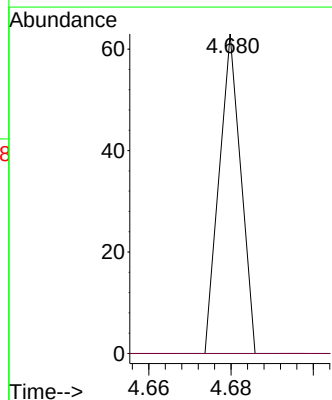
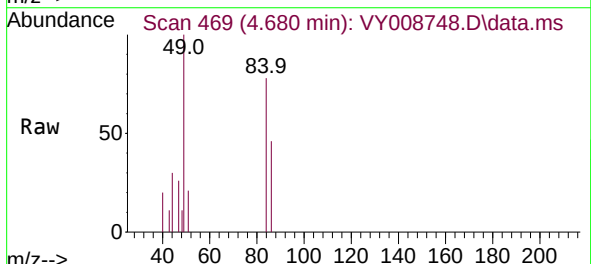
Instrument :
MSVOA_Y
ClientSampleId :
P011-SS003-1824-01

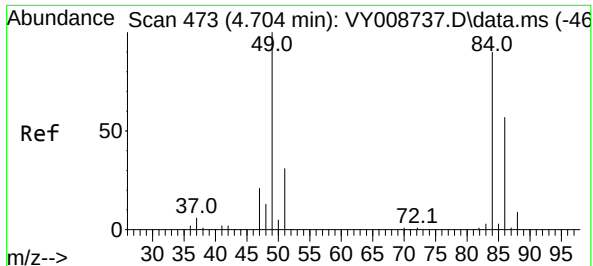
Tgt Ion: 43 Resp: 1914
Ion Ratio Lower Upper
43 100
58 30.4 25.1 37.7



#18
Methyl Acetate
Concen: Below Cal
RT: 4.680 min Scan# 469
Delta R.T. 0.202 min
Lab File: VY008748.D
Acq: 13 May 2022 14:51

Tgt Ion: 43 Resp: 23
Ion Ratio Lower Upper
43 100
74 0.0 20.6 31.0#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY008748.D

Acq: 13 May 2022 14:51

Instrument :

MSVOA_Y

ClientSampleId :

P011-SS003-1824-01

Tgt Ion: 84 Resp: 4945

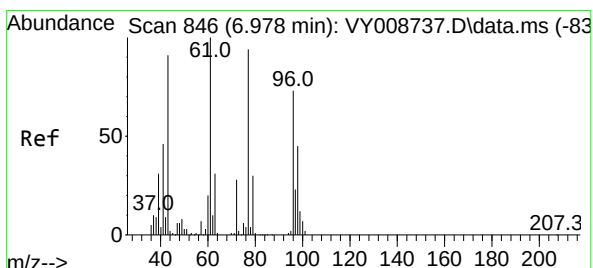
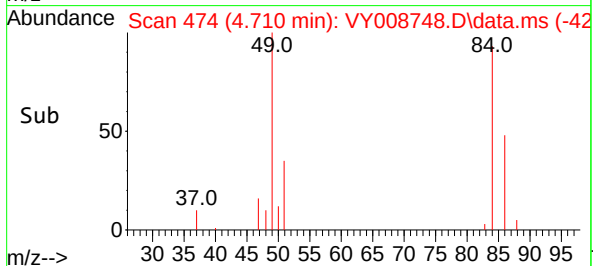
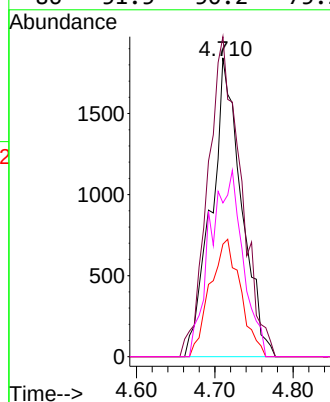
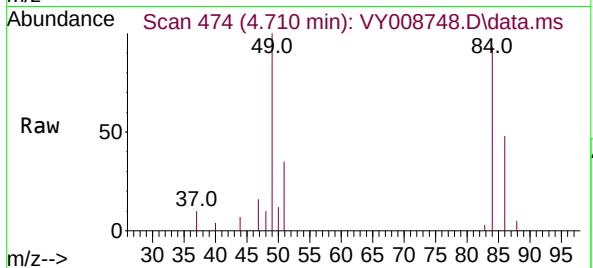
Ion Ratio Lower Upper

84 100

49 107.0 88.6 133.0

51 37.6 27.4 41.0

86 51.5 50.2 75.2



#25

2-Butanone

Concen: 1.056 ug/l

RT: 7.003 min Scan# 850

Delta R.T. 0.025 min

Lab File: VY008748.D

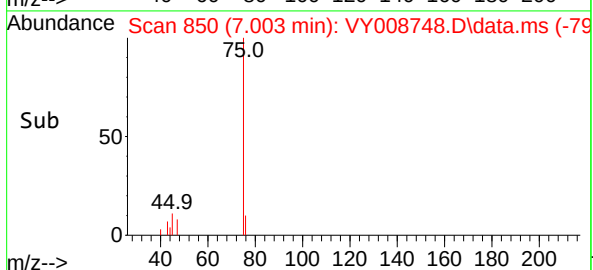
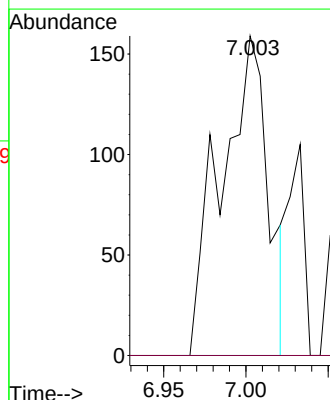
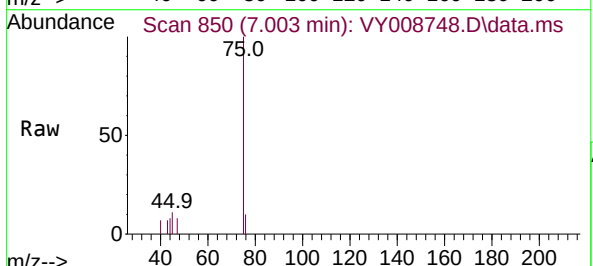
Acq: 13 May 2022 14:51

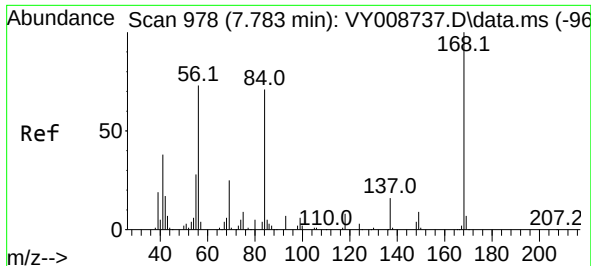
Tgt Ion: 43 Resp: 318

Ion Ratio Lower Upper

43 100

72 0.0 25.0 37.4#

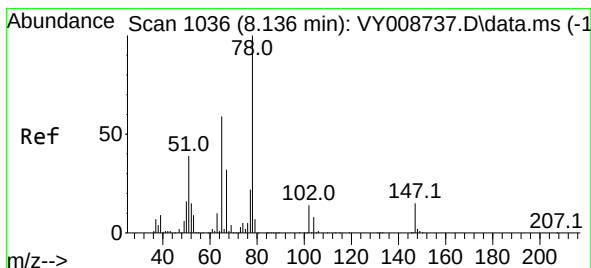
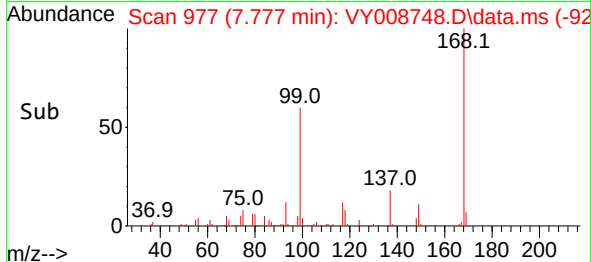
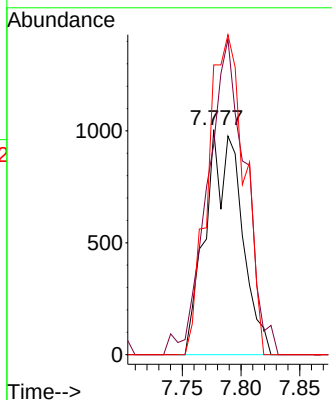
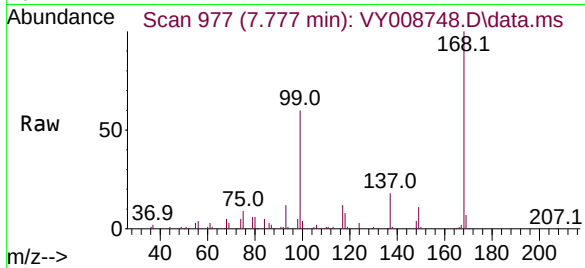




#31
Cyclohexane
Concen: Below Cal
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY008748.D
Acq: 13 May 2022 14:51

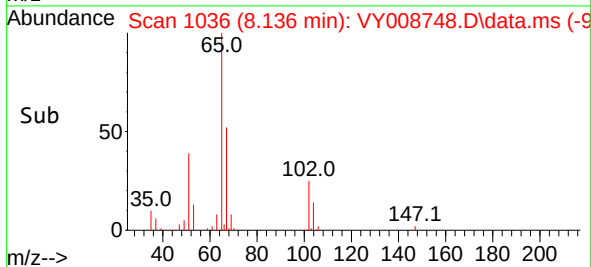
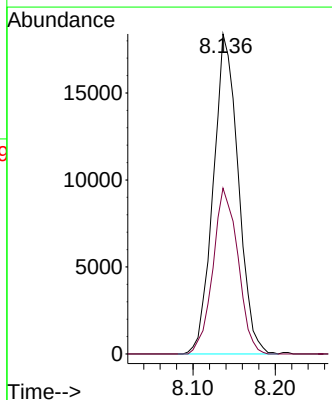
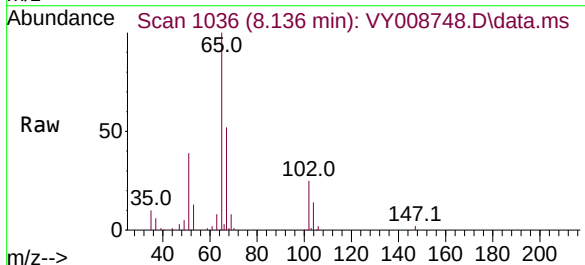
Instrument :
MSVOA_Y
ClientSampleId :
P011-SS003-1824-01

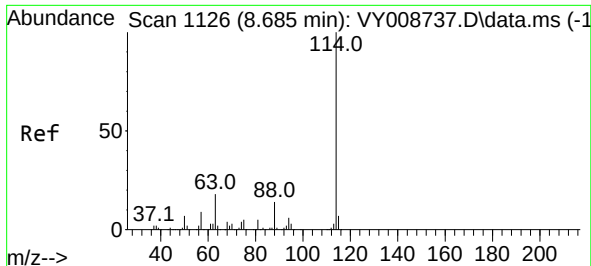
Tgt Ion: 56 Resp: 2138
Ion Ratio Lower Upper
56 100
69 93.3 27.4 41.0#
84 128.9 77.5 116.3#



#33
1,2-Dichloroethane-d4
Concen: 45.830 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY008748.D
Acq: 13 May 2022 14:51

Tgt Ion: 65 Resp: 38891
Ion Ratio Lower Upper
65 100
67 51.8 0.0 110.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY008748.D

Acq: 13 May 2022 14:51

Instrument :

MSVOA_Y

ClientSampleId :

P011-SS003-1824-01

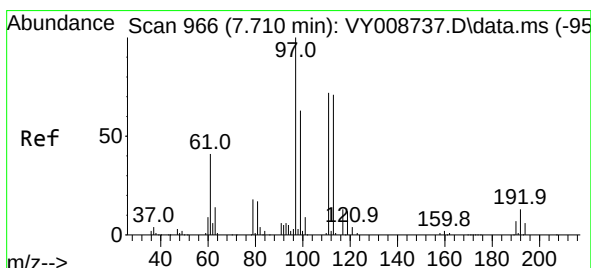
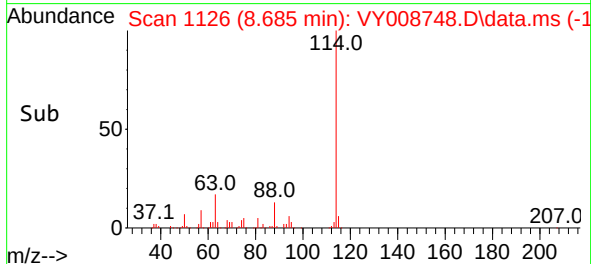
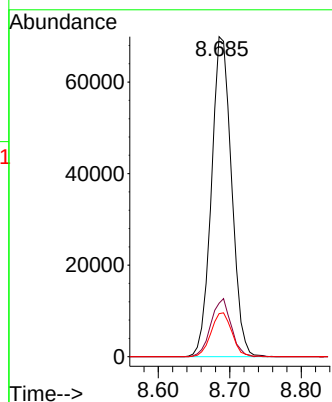
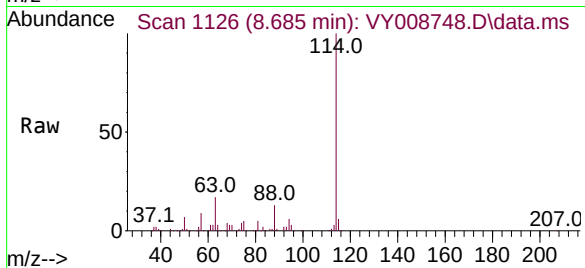
Tgt Ion:114 Resp: 136548

Ion Ratio Lower Upper

114 100

63 16.7 0.0 36.4

88 13.4 0.0 27.4



#35

Dibromofluoromethane

Concen: 48.909 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.012 min

Lab File: VY008748.D

Acq: 13 May 2022 14:51

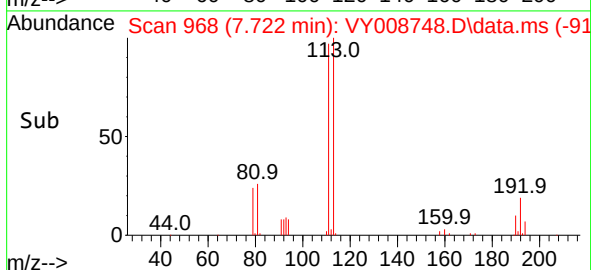
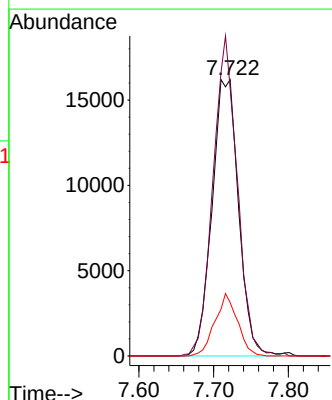
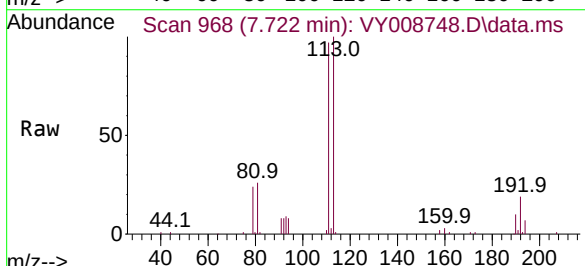
Tgt Ion:113 Resp: 40083

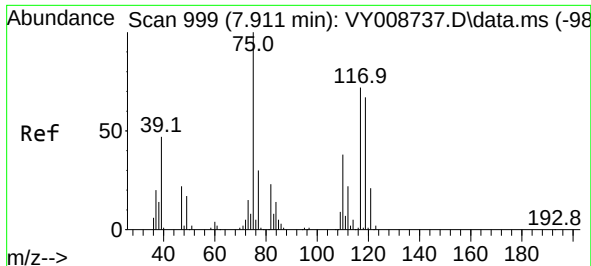
Ion Ratio Lower Upper

113 100

111 105.4 81.8 122.6

192 19.2 14.5 21.7





#36

1,1-Dichloropropene

Concen: 5.987 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY008748.D

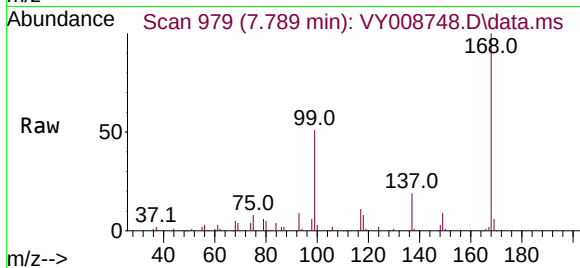
Acq: 13 May 2022 14:51

Instrument :

MSVOA_Y

ClientSampleId :

P011-SS003-1824-01



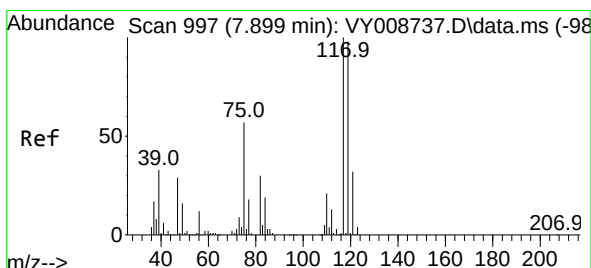
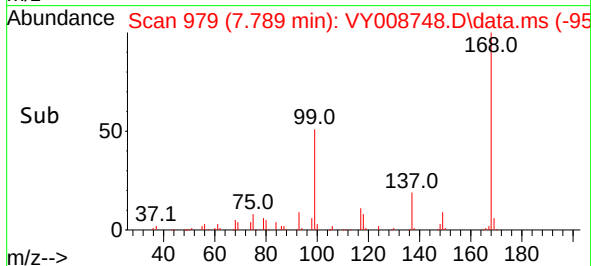
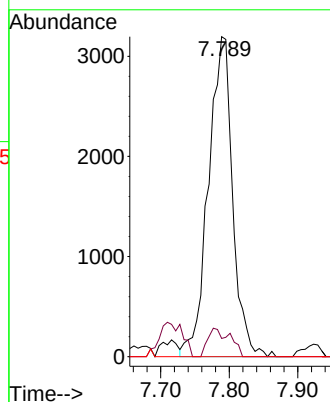
Tgt Ion: 75 Resp: 7846

Ion Ratio Lower Upper

75 100

110 8.2 18.1 54.1#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 6.708 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY008748.D

Acq: 13 May 2022 14:51

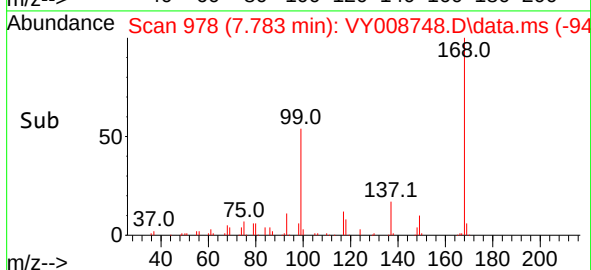
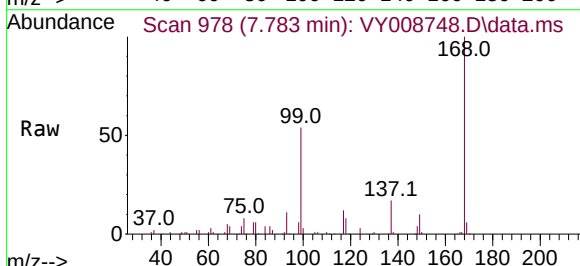
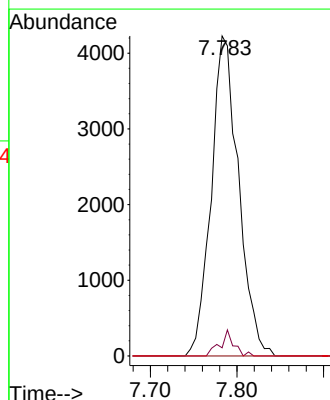
Tgt Ion: 117 Resp: 9275

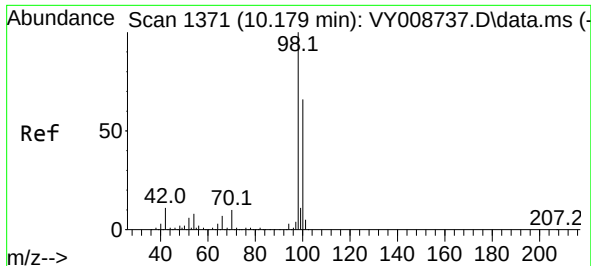
Ion Ratio Lower Upper

117 100

119 2.6 78.5 117.7#

121 0.0 25.8 38.8#

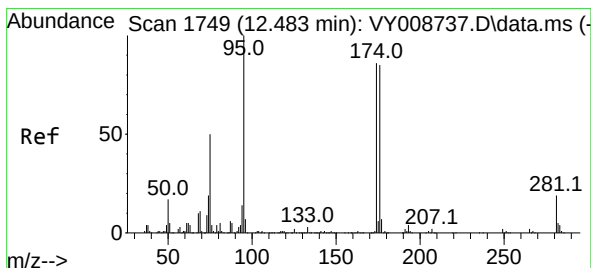
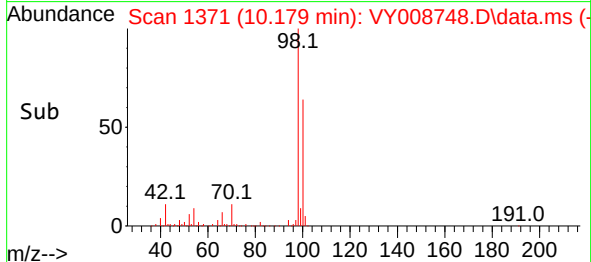
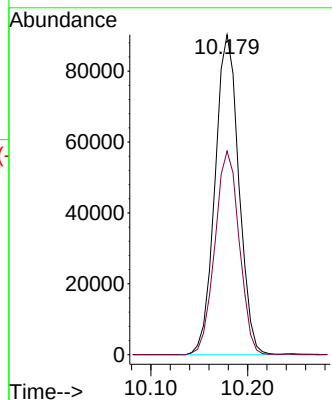
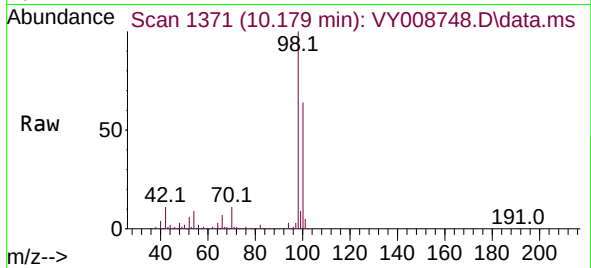




#50
Toluene-d8
Concen: 49.900 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY008748.D
Acq: 13 May 2022 14:51

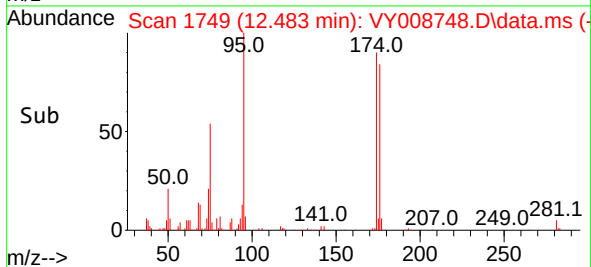
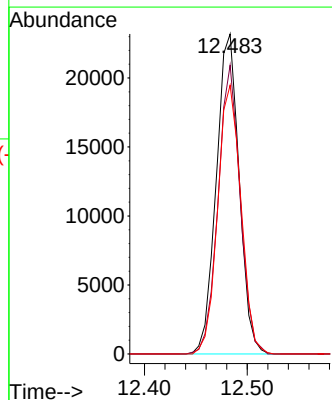
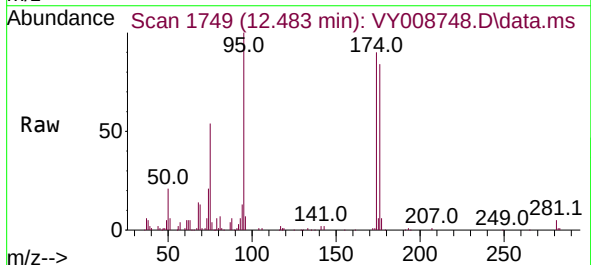
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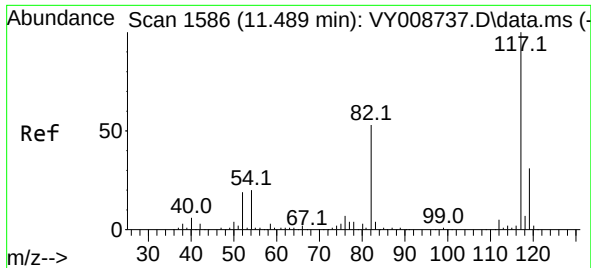
Tgt Ion: 98 Resp: 154225
Ion Ratio Lower Upper
98 100
100 65.0 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 33.441 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008748.D
Acq: 13 May 2022 14:51

Tgt Ion: 95 Resp: 35810
Ion Ratio Lower Upper
95 100
174 86.7 0.0 171.2
176 85.2 0.0 168.8

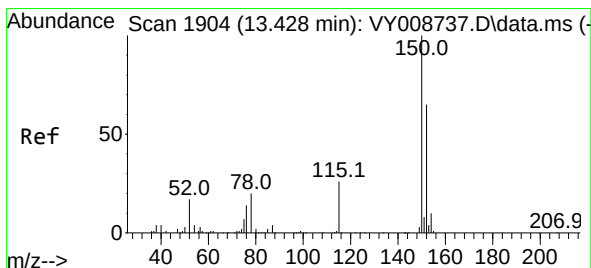
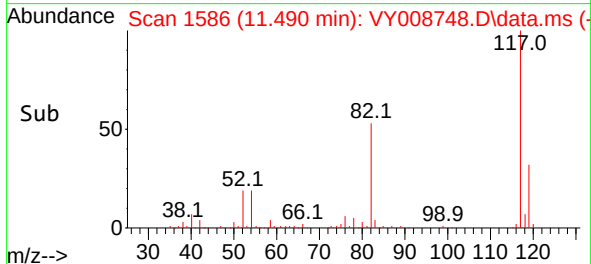
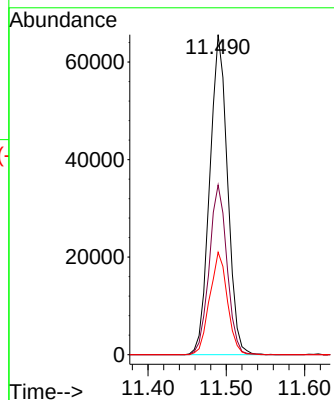
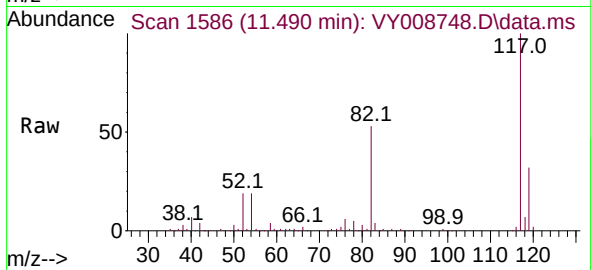




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY008748.D
Acq: 13 May 2022 14:51

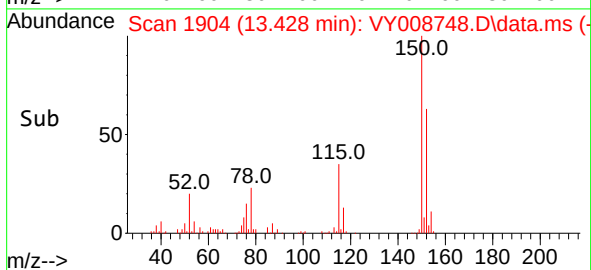
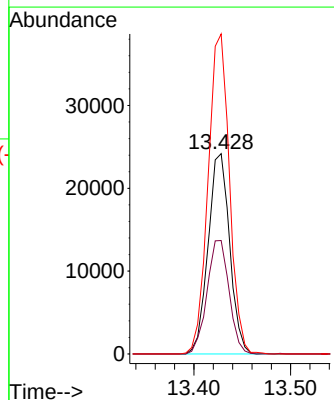
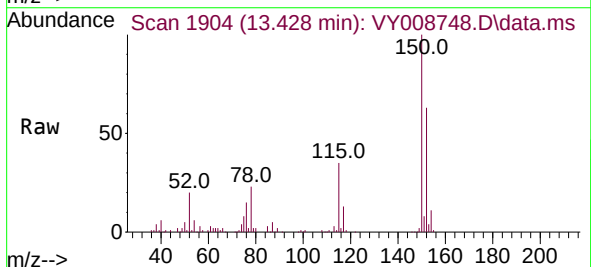
Instrument :
MSVOA_Y
ClientSampleId :
P011-SS003-1824-01

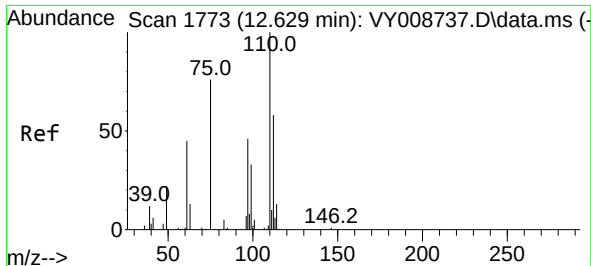
Tgt Ion:117 Resp: 103522
Ion Ratio Lower Upper
117 100
82 53.1 42.3 63.5
119 32.0 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008748.D
Acq: 13 May 2022 14:51

Tgt Ion:152 Resp: 37448
Ion Ratio Lower Upper
152 100
115 57.9 28.2 84.7
150 158.3 0.0 348.2

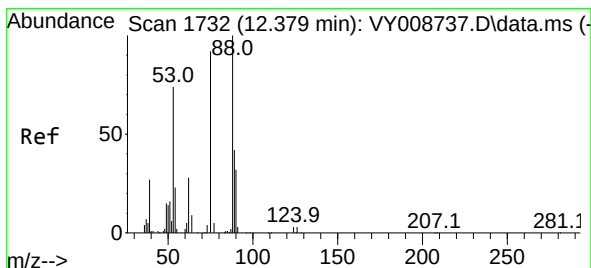
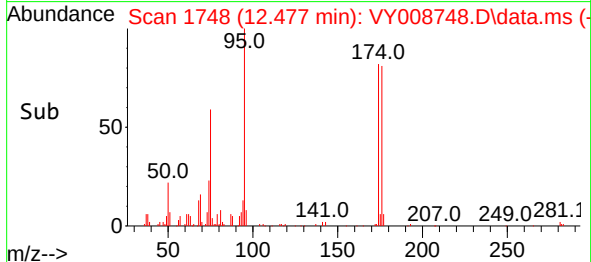
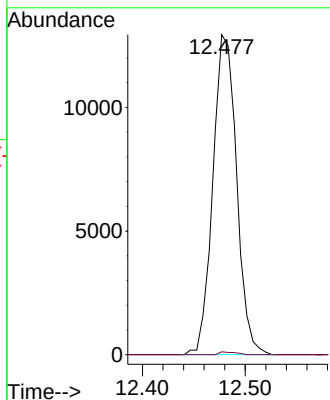
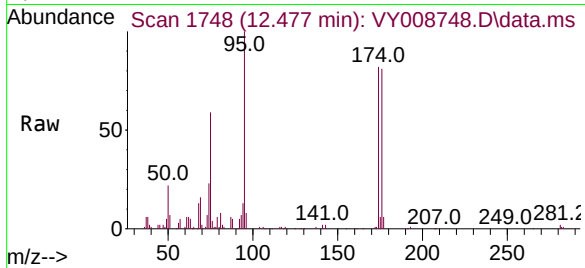




#76
1,2,3-Trichloropropane
Concen: 55.003 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY008748.D
Acq: 13 May 2022 14:51

Instrument :
MSVOA_Y
ClientSampleId :
P011-SS003-1824-01

Tgt Ion: 75 Resp: 20727
Ion Ratio Lower Upper
75 100
77 0.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 106.261 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY008748.D
Acq: 13 May 2022 14:51

Tgt Ion: 75 Resp: 20727
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.1 36.8 55.2#

