

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051822\
 Data File : VY008844.D
 Acq On : 19 May 2022 03:45
 Operator : KP/MD
 Sample : N2869-17
 Misc : 5.68g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P032-SS001-0612-01

Quant Time: May 19 06:56:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 07:32:50 2022
 Response via : Initial Calibration

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

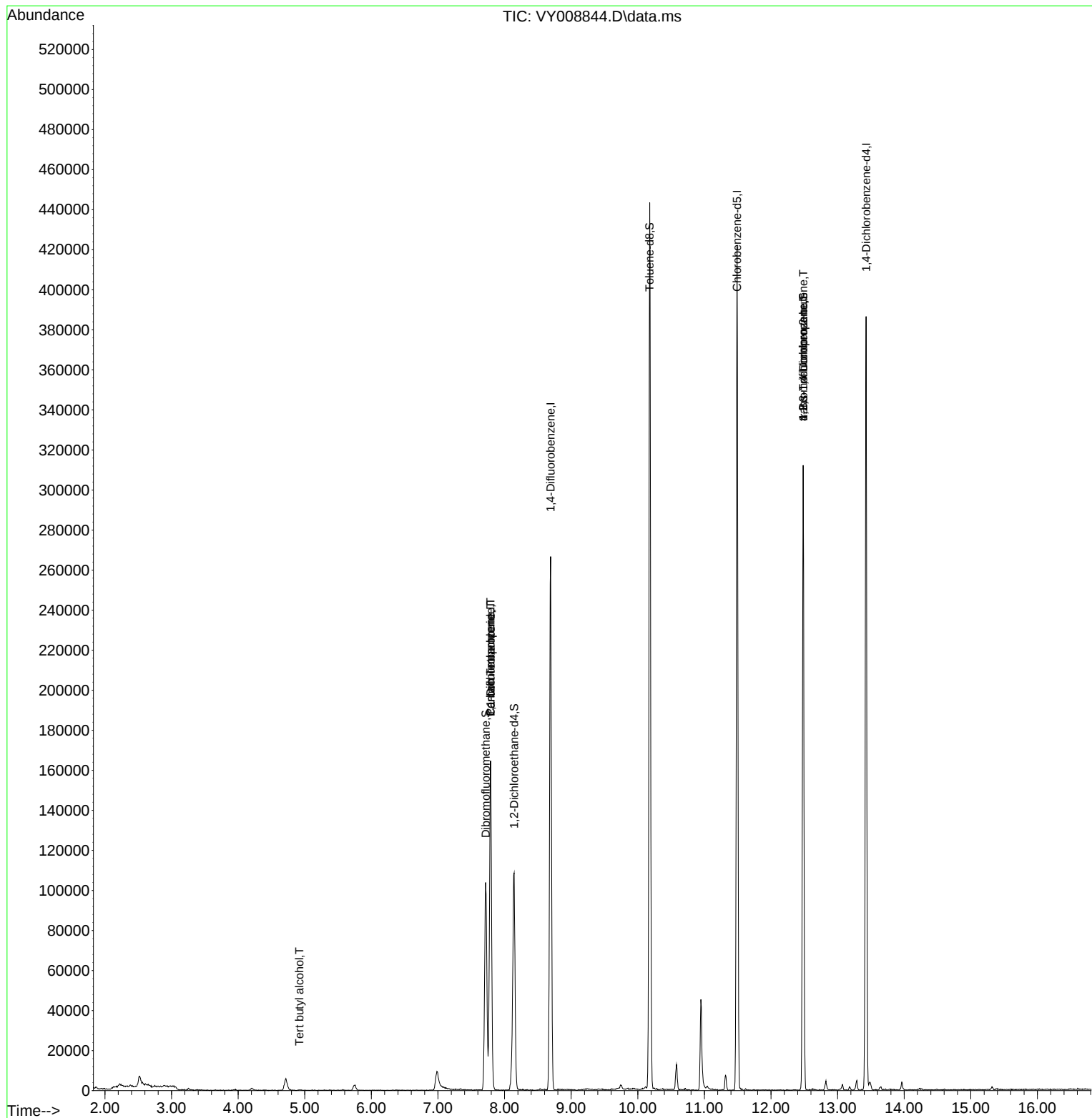
Internal Standards						
1) Pentafluorobenzene	7.789	168	123505	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	223065	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	214352	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	91532	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	78142	68.201	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	136.400%
35) Dibromofluoromethane	7.716	113	72976	55.992	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.980%
50) Toluene-d8	10.179	98	279175	48.305	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.600%
62) 4-Bromofluorobenzene	12.483	95	81335	40.085	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	80.160%
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	86	Below Cal	#	44
4) Vinyl Chloride	2.247	62	93	Below Cal	#	43
5) Bromomethane	2.638	94	112	Below Cal	#	4
6) Chloroethane	2.784	64	23	Below Cal	#	43
7) Trichlorofluoromethane	3.125	101	45	Below Cal	#	21
11) Tert butyl alcohol	4.918	59	137	1.082 ug/l	#	77
16) Acetone	3.960	43	645	Below Cal	#	47
18) Methyl Acetate	4.375	43	22	Below Cal	#	56
20) Methylene Chloride	4.723	84	4276	Below Cal	#	80
31) Cyclohexane	7.789	56	3224	Below Cal	#	29
36) 1,1-Dichloropropene	7.789	75	10371	4.968 ug/l	#	49
38) Carbon Tetrachloride	7.789	117	12191	5.449 ug/l	#	17
76) 1,2,3-Trichloropropane	12.483	75	46411	43.895 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	46411	96.010 ug/l	#	7

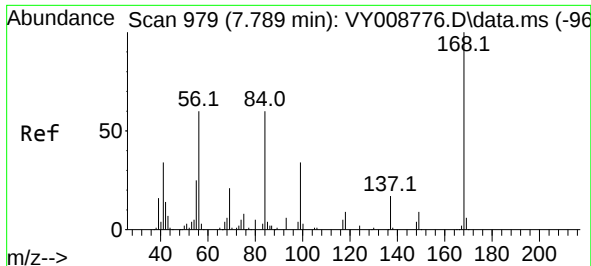
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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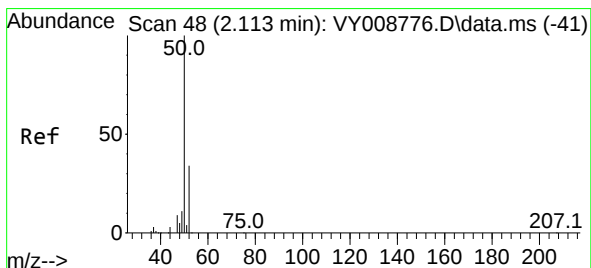
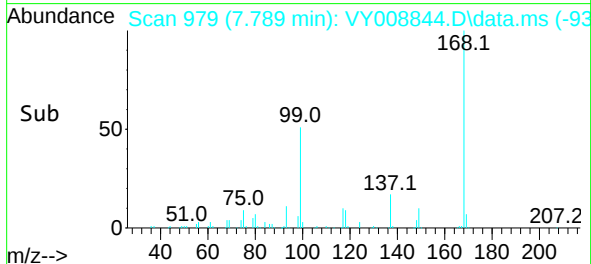
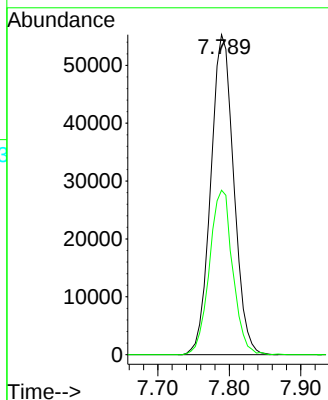
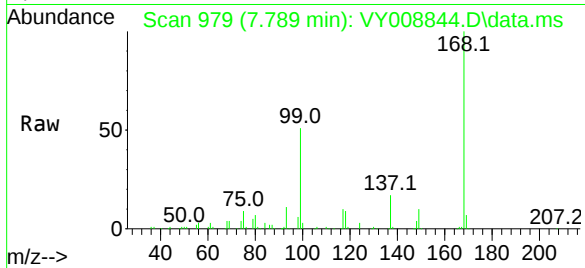




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY008844.D
Acq: 19 May 2022 03:45

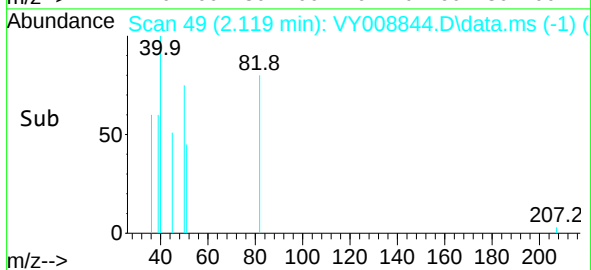
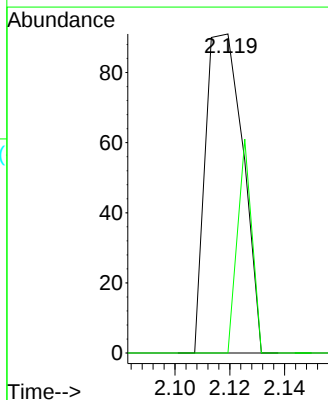
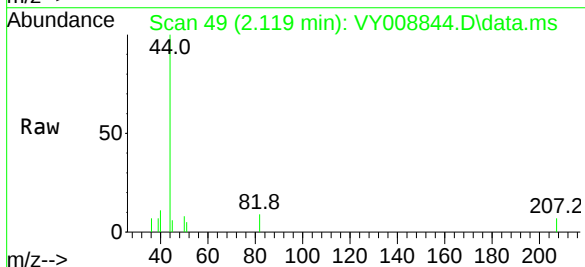
Instrument :
MSVOA_Y
ClientSampleId :
P032-SS001-0612-01

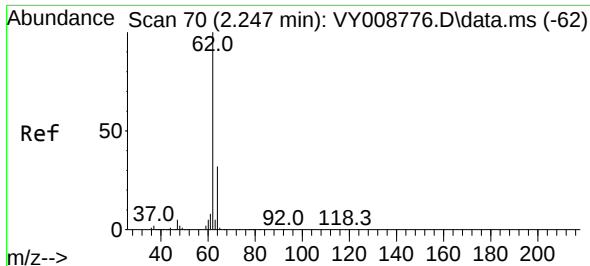
Tgt Ion:168 Resp: 123505
Ion Ratio Lower Upper
168 100
99 51.4 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY008844.D
Acq: 19 May 2022 03:45

Tgt Ion: 50 Resp: 86
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

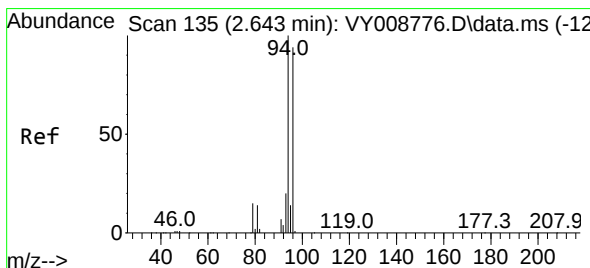
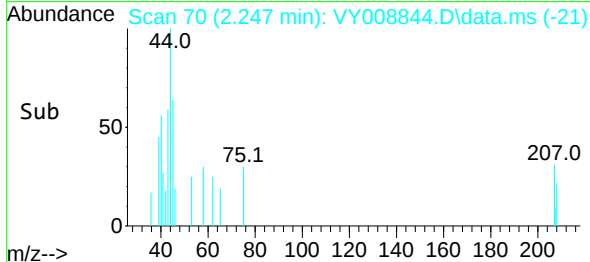
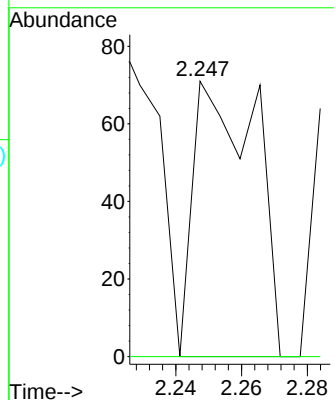
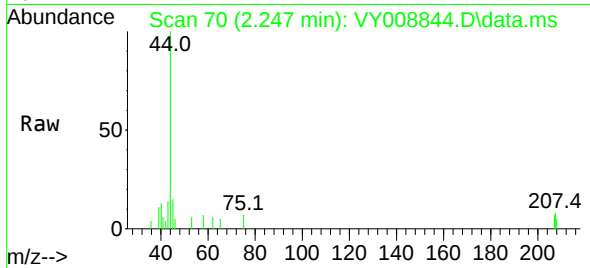




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.247 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VY008844.D
 Acq: 19 May 2022 03:45

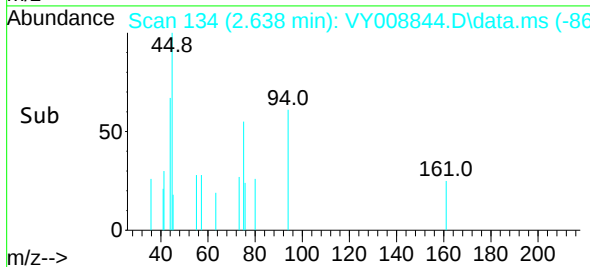
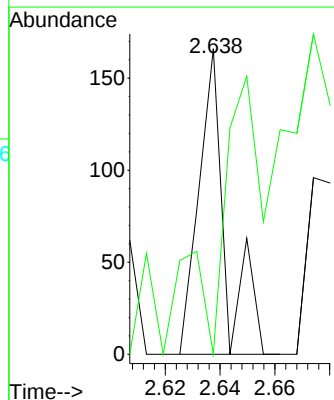
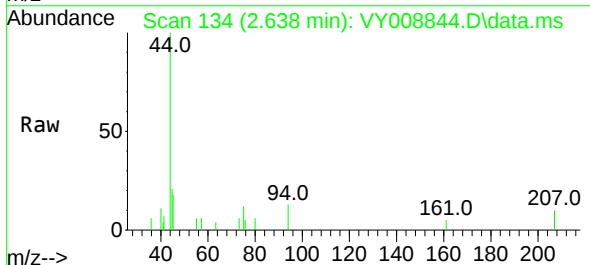
Instrument :
 MSVOA_Y
 ClientSampleId :
 P032-SS001-0612-01

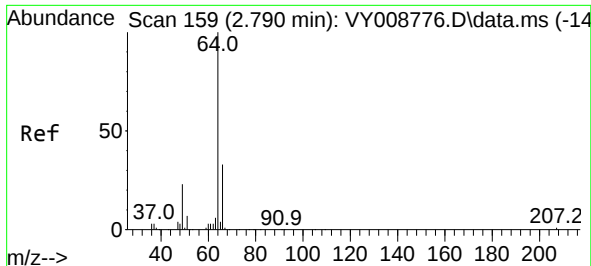
Tgt Ion: 62 Resp: 93
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.638 min Scan# 134
 Delta R.T. -0.005 min
 Lab File: VY008844.D
 Acq: 19 May 2022 03:45

Tgt Ion: 94 Resp: 112
 Ion Ratio Lower Upper
 94 100
 96 0.0 73.5 110.3#

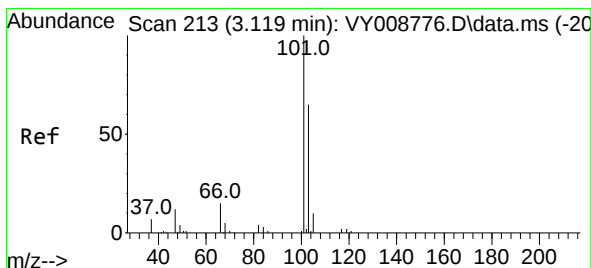
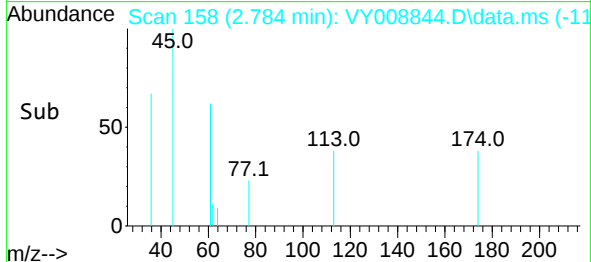
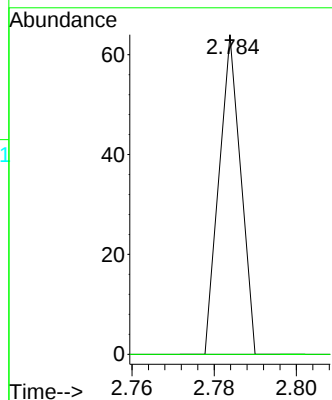
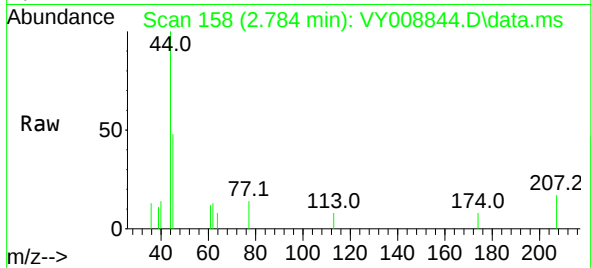




#6
Chloroethane
Concen: Below Cal
RT: 2.784 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY008844.D
Acq: 19 May 2022 03:45

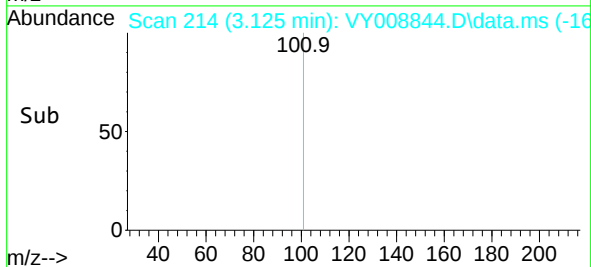
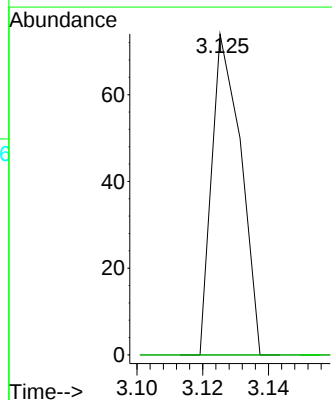
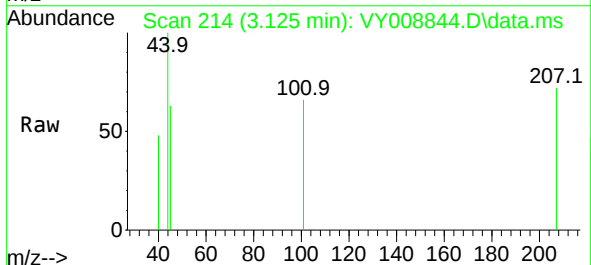
Instrument :
MSVOA_Y
ClientSampleId :
P032-SS001-0612-01

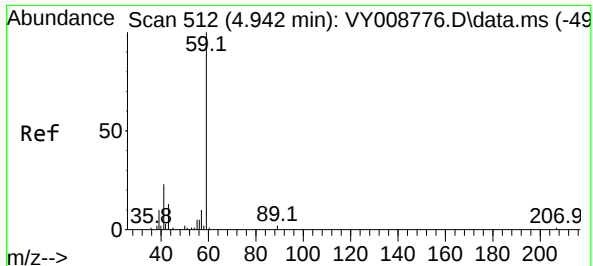
Tgt Ion: 64 Resp: 23
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.125 min Scan# 214
Delta R.T. 0.006 min
Lab File: VY008844.D
Acq: 19 May 2022 03:45

Tgt Ion:101 Resp: 45
Ion Ratio Lower Upper
101 100
103 0.0 48.0 72.0#





#11

Tert butyl alcohol

Concen: 1.082 ug/l

RT: 4.918 min Scan# 508

Delta R.T. -0.024 min

Lab File: VY008844.D

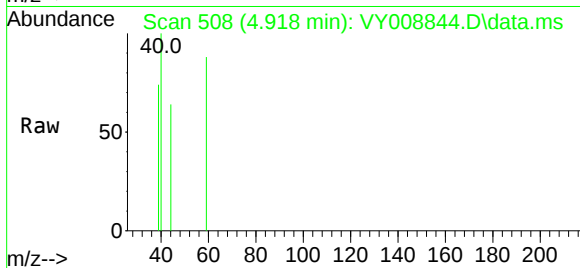
Acq: 19 May 2022 03:45

Instrument :

MSVOA_Y

ClientSampleId :

P032-SS001-0612-01

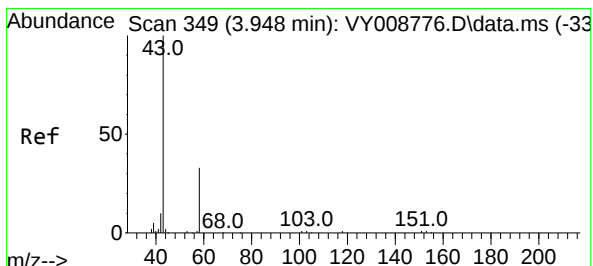
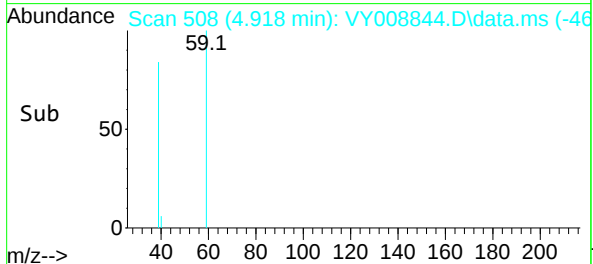
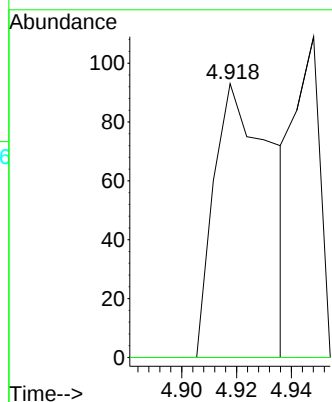


Tgt Ion: 59 Resp: 137

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: Below Cal

RT: 3.960 min Scan# 351

Delta R.T. 0.012 min

Lab File: VY008844.D

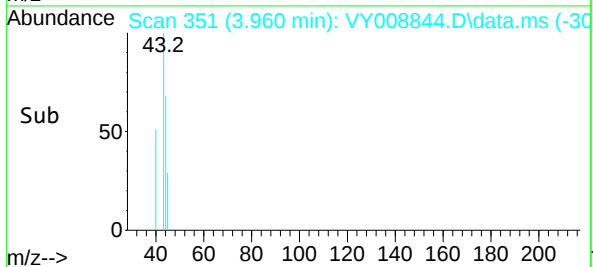
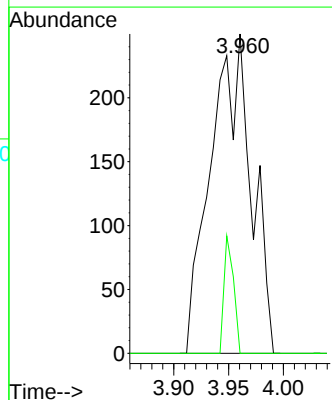
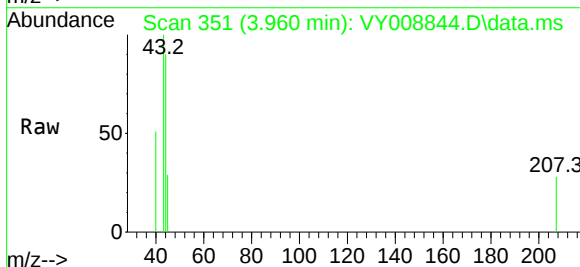
Acq: 19 May 2022 03:45

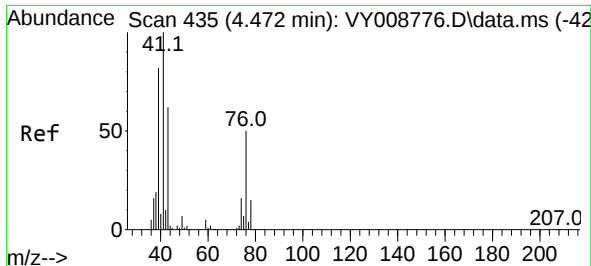
Tgt Ion: 43 Resp: 645

Ion Ratio Lower Upper

43 100

58 0.0 22.0 33.0#

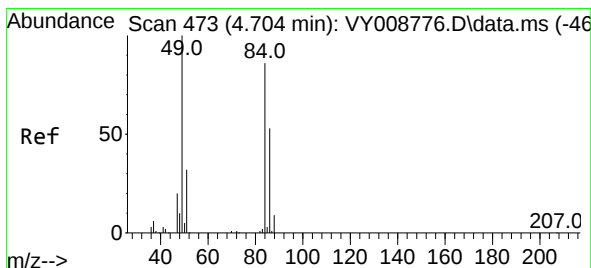
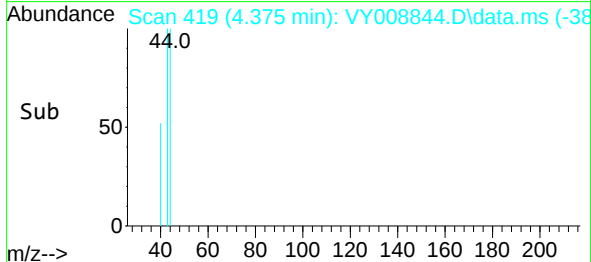
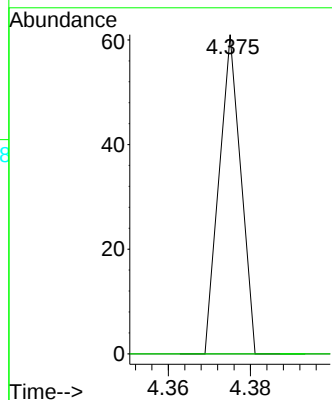
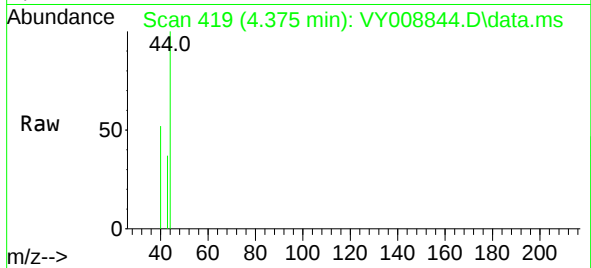




#18
Methyl Acetate
Concen: Below Cal
RT: 4.375 min Scan# 41
Delta R.T. -0.097 min
Lab File: VY008844.D
Acq: 19 May 2022 03:45

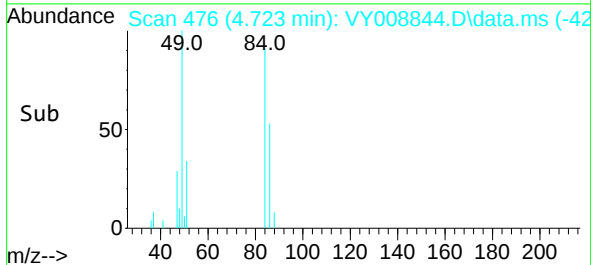
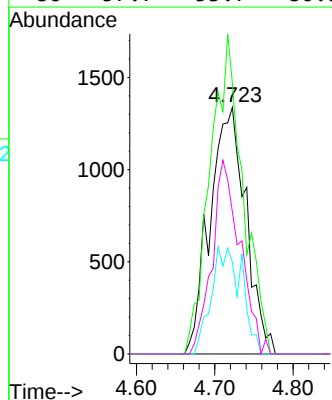
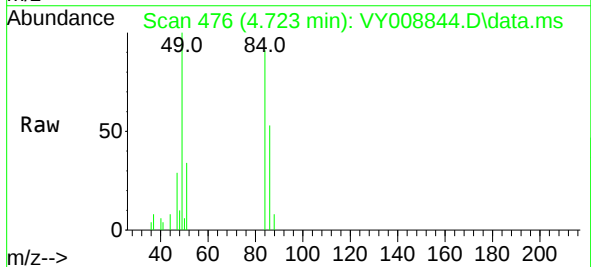
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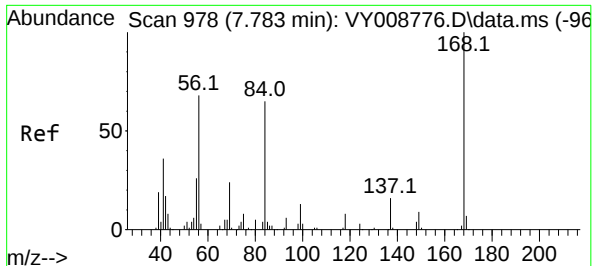
Tgt Ion: 43 Resp: 22
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.723 min Scan# 476
Delta R.T. 0.019 min
Lab File: VY008844.D
Acq: 19 May 2022 03:45

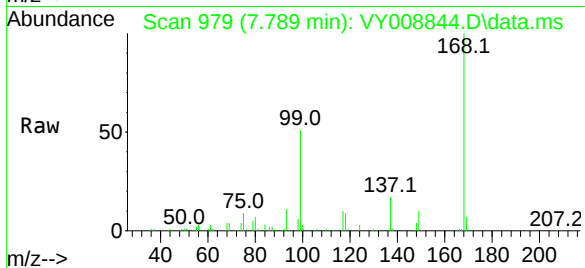
Tgt Ion: 84 Resp: 4276
Ion Ratio Lower Upper
84 100
49 109.9 114.4 171.6#
51 37.3 35.3 52.9
86 57.7 53.7 80.5



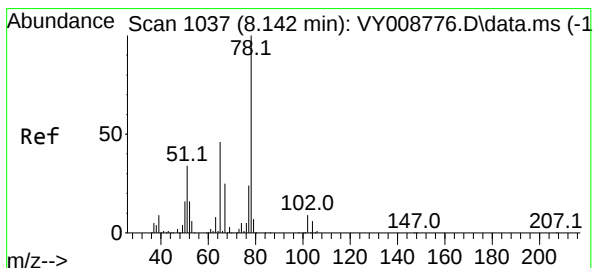
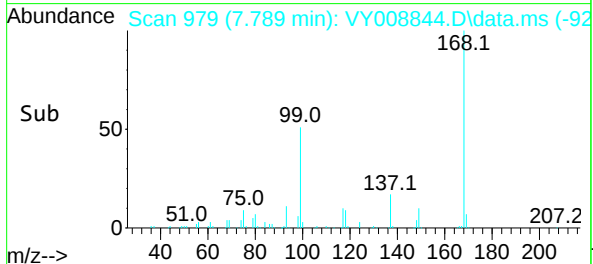
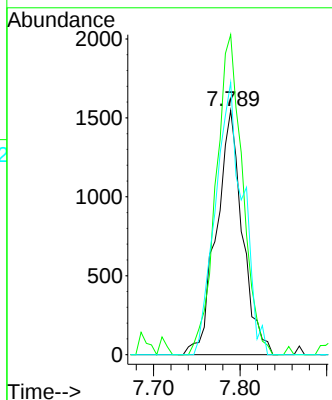


#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008844.D
Acq: 19 May 2022 03:45

Instrument :
MSVOA_Y
ClientSampleId :
P032-SS001-0612-01

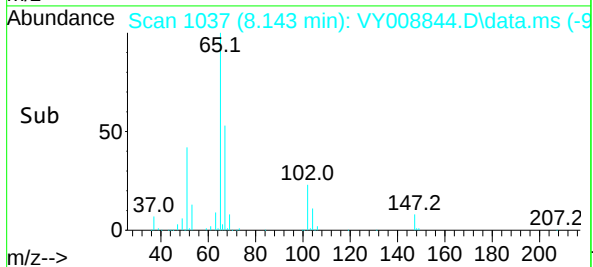
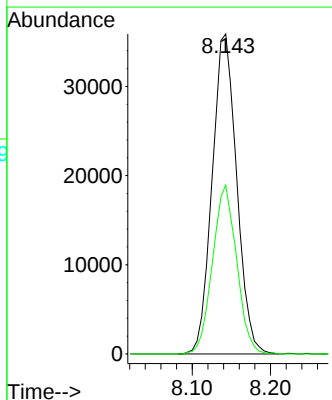
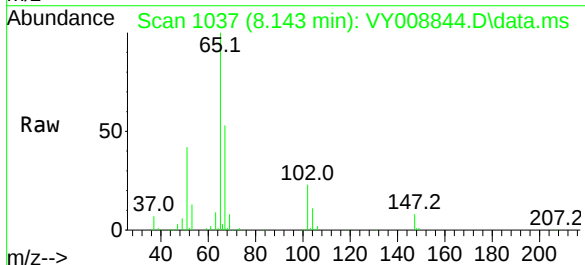


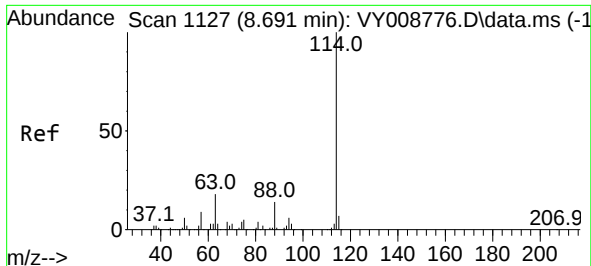
Tgt Ion: 56 Resp: 3224
Ion Ratio Lower Upper
56 100
69 131.0 26.7 40.1#
84 111.4 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 68.201 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY008844.D
Acq: 19 May 2022 03:45

Tgt Ion: 65 Resp: 78142
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# 11

Delta R.T. 0.000 min

Lab File: VY008844.D

Acq: 19 May 2022 03:45

Instrument :

MSVOA_Y

ClientSampleId :

P032-SS001-0612-01

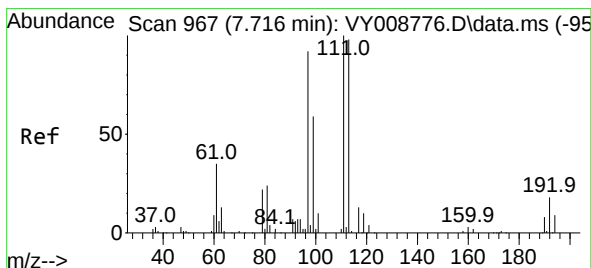
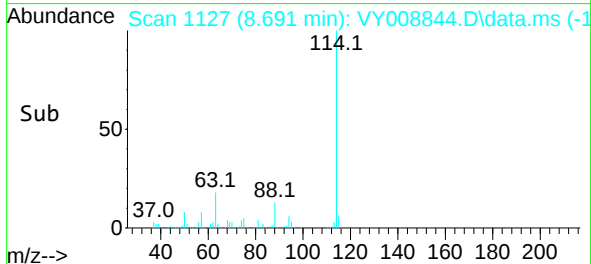
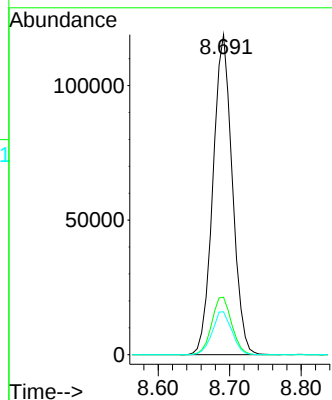
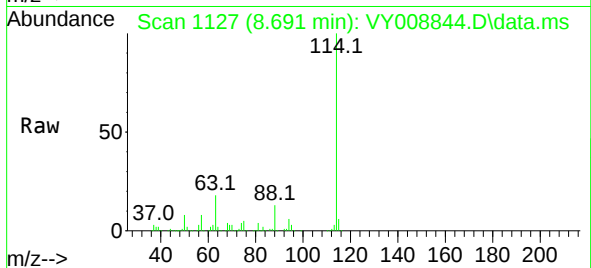
Tgt Ion:114 Resp: 223065

Ion Ratio Lower Upper

114 100

63 17.9 0.0 43.2

88 13.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 55.992 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY008844.D

Acq: 19 May 2022 03:45

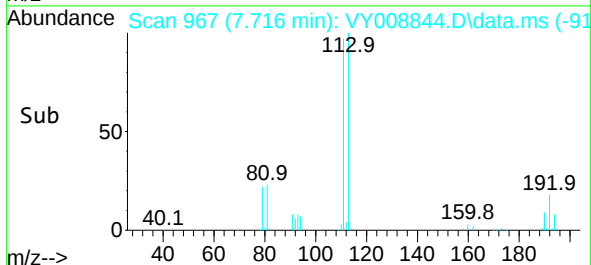
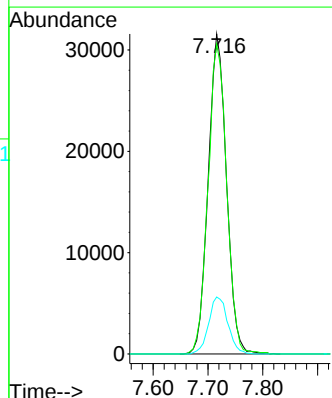
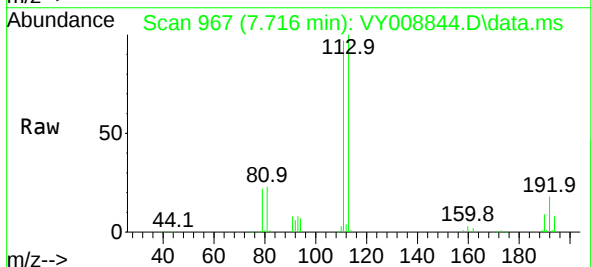
Tgt Ion:113 Resp: 72976

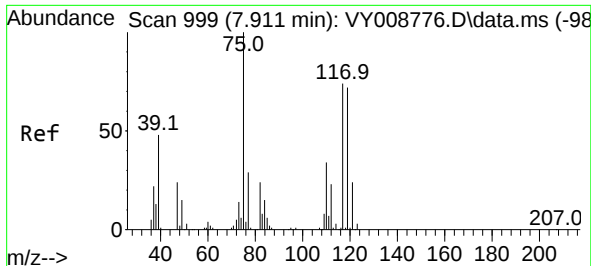
Ion Ratio Lower Upper

113 100

111 99.0 82.6 124.0

192 18.7 17.6 26.4

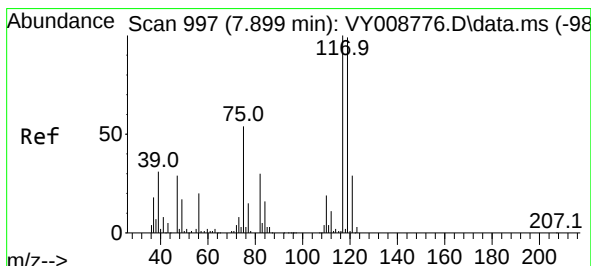
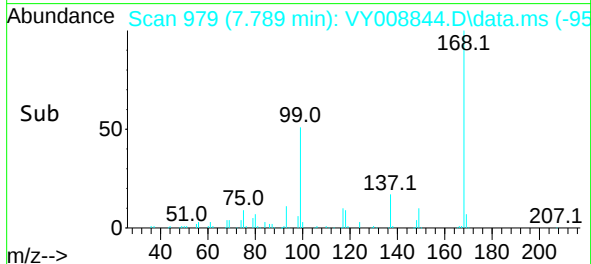
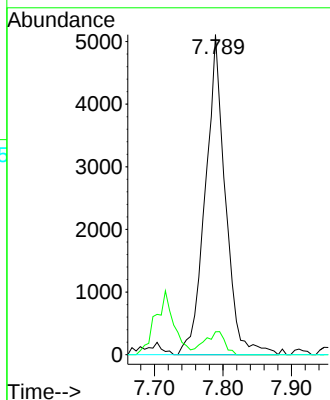
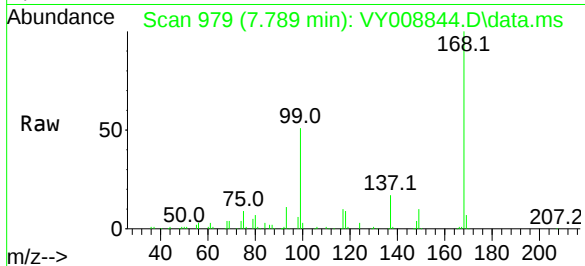




#36
1,1-Dichloropropene
Concen: 4.968 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY008844.D
Acq: 19 May 2022 03:45

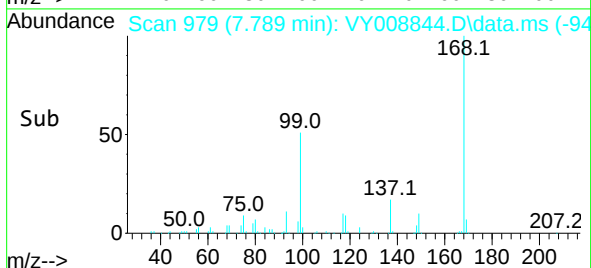
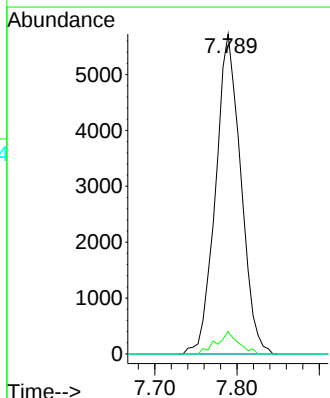
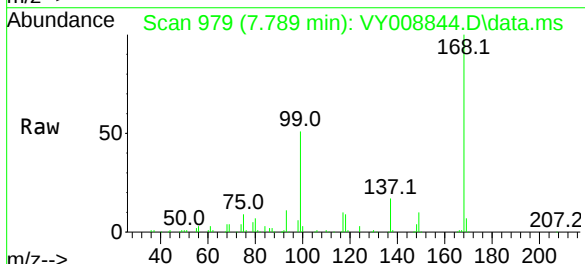
Instrument :
MSVOA_Y
ClientSampleId :
P032-SS001-0612-01

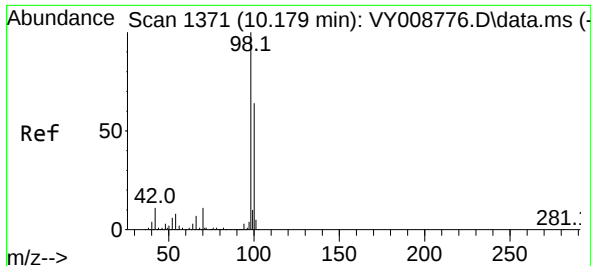
Tgt Ion: 75 Resp: 10371
Ion Ratio Lower Upper
75 100
110 7.4 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.449 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY008844.D
Acq: 19 May 2022 03:45

Tgt Ion: 117 Resp: 12191
Ion Ratio Lower Upper
117 100
119 7.0 77.9 116.9#
121 0.0 24.8 37.2#

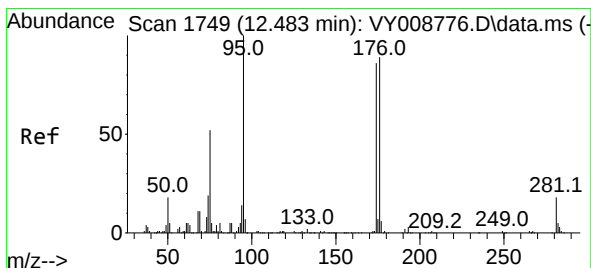
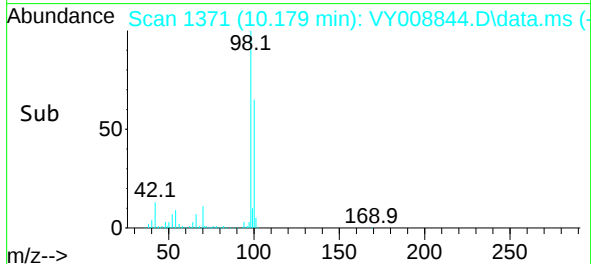
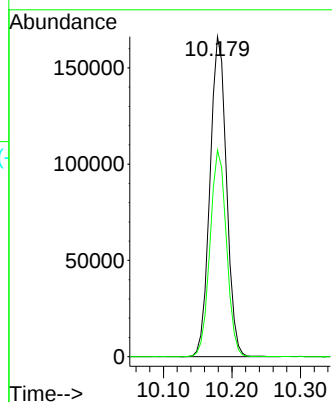
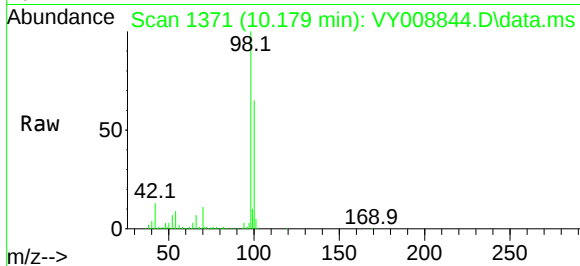




#50
Toluene-d8
Concen: 48.305 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008844.D
Acq: 19 May 2022 03:45

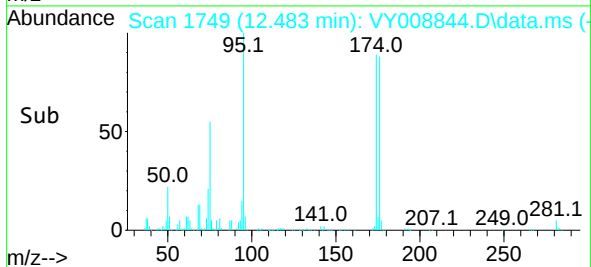
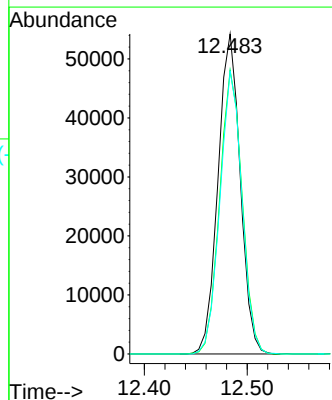
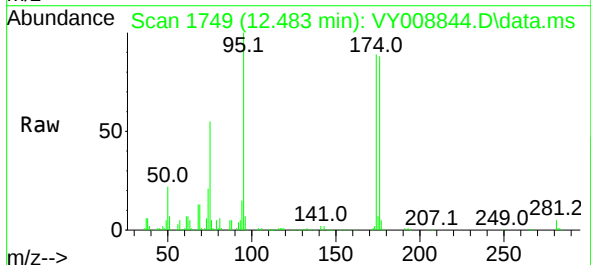
Instrument :
MSVOA_Y
ClientSampleId :
P032-SS001-0612-01

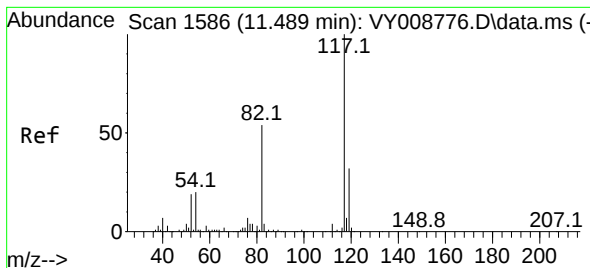
Tgt Ion: 98 Resp: 279175
Ion Ratio Lower Upper
98 100
100 64.3 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 40.085 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008844.D
Acq: 19 May 2022 03:45

Tgt Ion: 95 Resp: 81335
Ion Ratio Lower Upper
95 100
174 89.3 0.0 177.0
176 87.4 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY008844.D

Acq: 19 May 2022 03:45

Instrument :

MSVOA_Y

ClientSampleId :

P032-SS001-0612-01

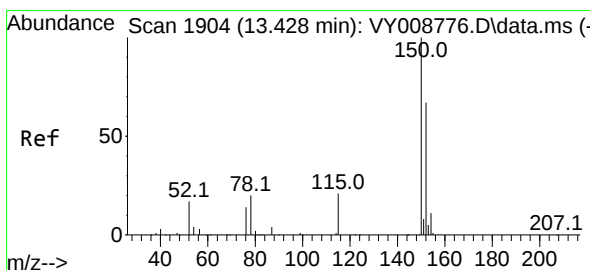
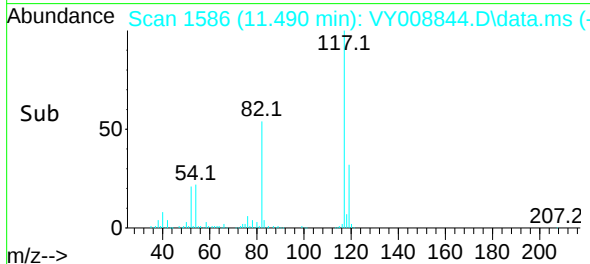
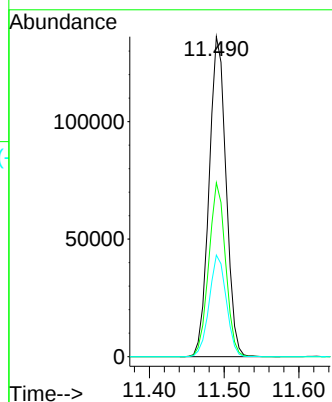
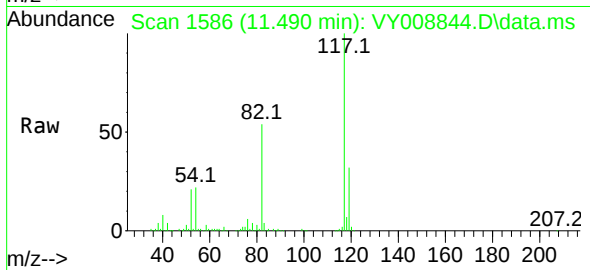
Tgt Ion:117 Resp: 214352

Ion Ratio Lower Upper

117 100

82 54.4 43.0 64.4

119 31.8 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: VY008844.D

Acq: 19 May 2022 03:45

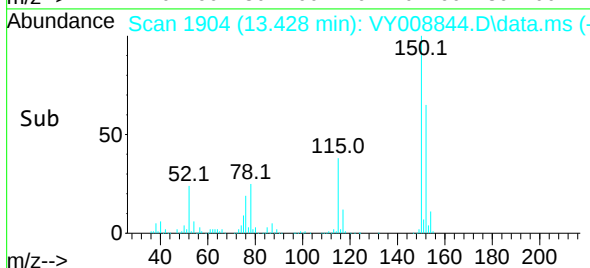
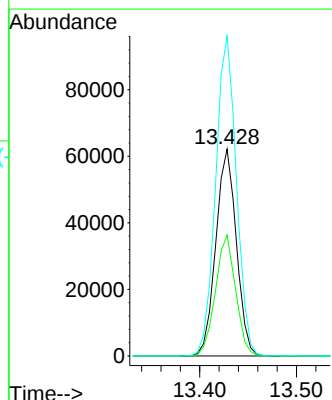
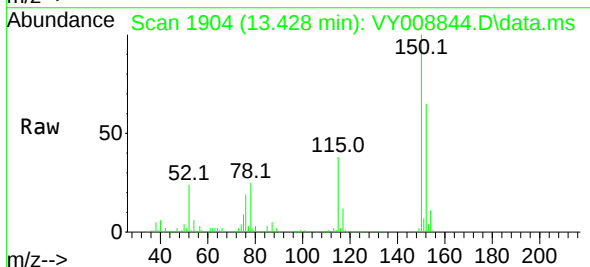
Tgt Ion:152 Resp: 91532

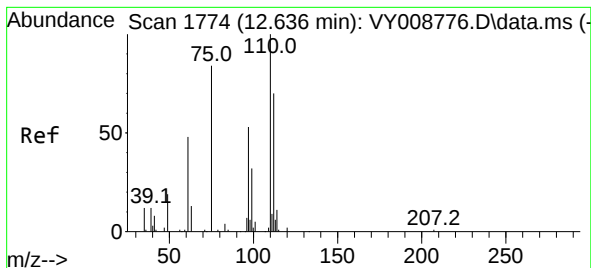
Ion Ratio Lower Upper

152 100

115 57.3 28.2 84.7

150 156.3 0.0 347.6





#76

1,2,3-Trichloropropane

Concen: 43.895 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY008844.D

Acq: 19 May 2022 03:45

Instrument :

MSVOA_Y

ClientSampleId :

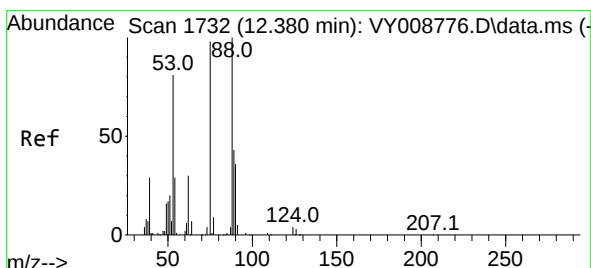
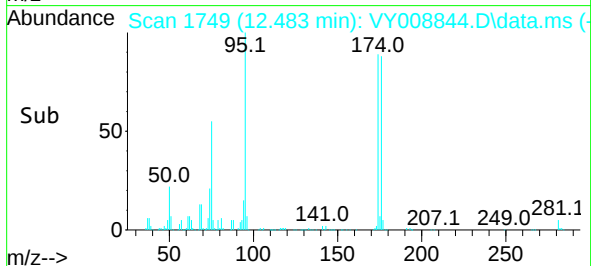
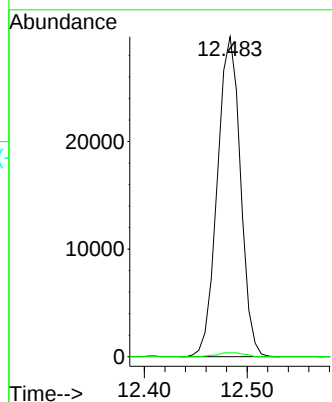
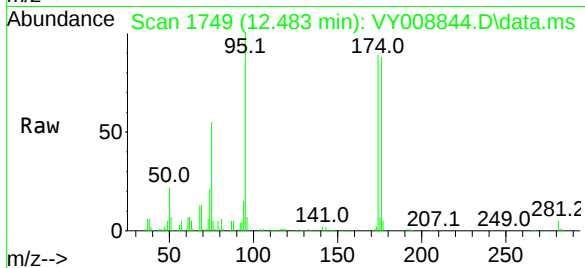
P032-SS001-0612-01

Tgt Ion: 75 Resp: 46411

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 96.010 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.104 min

Lab File: VY008844.D

Acq: 19 May 2022 03:45

Tgt Ion: 75 Resp: 46411

Ion Ratio Lower Upper

75 100

53 0.1 85.3 127.9#

89 0.2 37.0 55.4#

