

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051822\
 Data File : VY008819.D
 Acq On : 18 May 2022 17:16
 Operator : KP/MD
 Sample : N2841-12
 Misc : 4.87g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P006-SS002-0612-01

Quant Time: May 19 03:11:48 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)

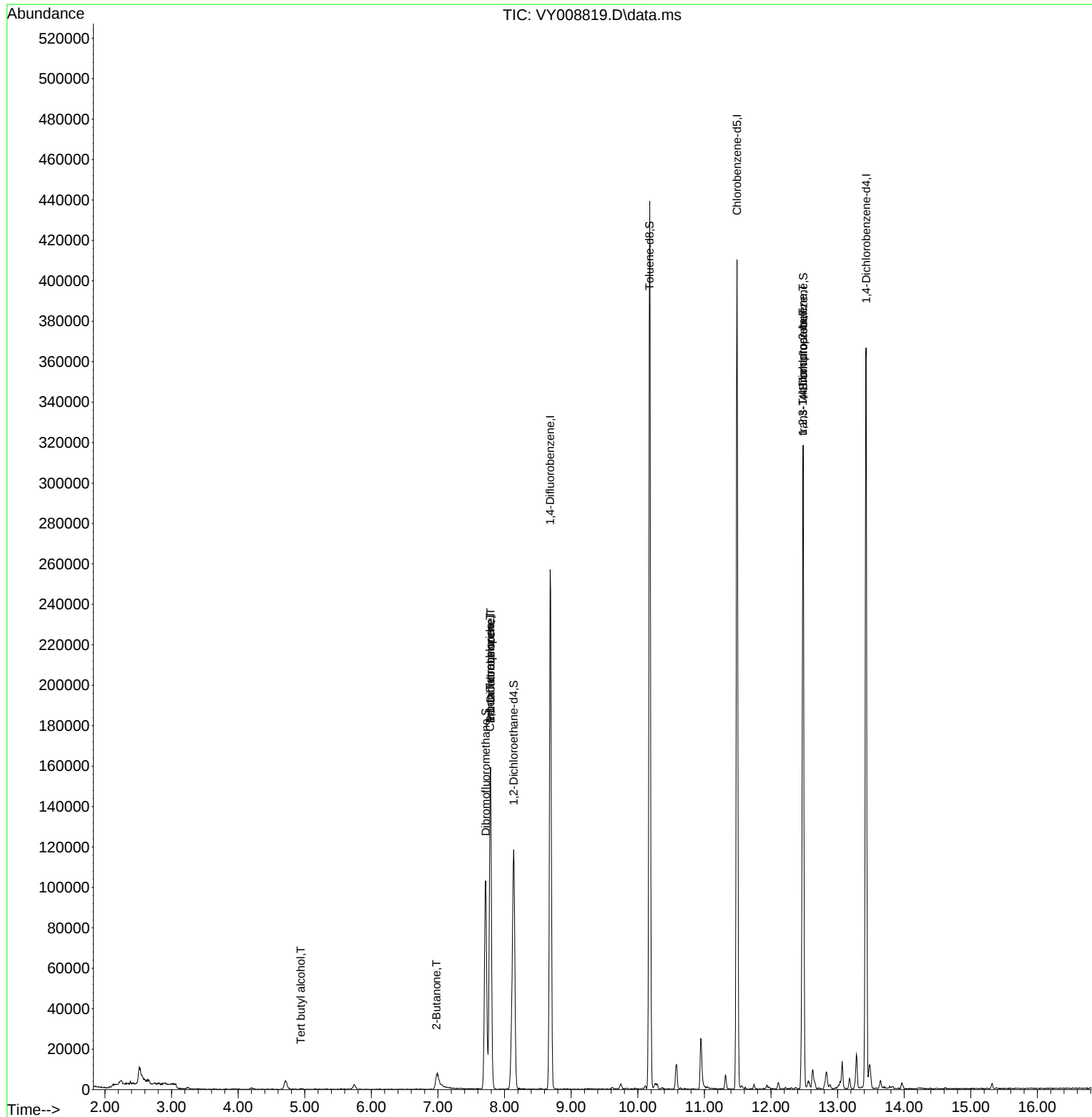
Internal Standards						
1) Pentafluorobenzene	7.789	168	121148	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	216497	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	209659	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	91456	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	79090	70.371	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 140.740%	
35) Dibromofluoromethane	7.716	113	70735	55.919	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.840%	
50) Toluene-d8	10.179	98	272422	48.549	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.100%	
62) 4-Bromofluorobenzene	12.483	95	82229	41.610	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 83.220%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	183	Below Cal	#	43
3) Chloromethane	2.107	50	206	Below Cal	#	45
4) Vinyl Chloride	2.229	62	130	Below Cal	#	43
5) Bromomethane	2.638	94	63	Below Cal		97
6) Chloroethane	2.875	64	27	Below Cal	#	43
7) Trichlorofluoromethane	3.119	101	166	Below Cal	#	21
11) Tert butyl alcohol	4.942	59	342	2.753 ug/l	#	77
16) Acetone	3.942	43	370	Below Cal	#	47
18) Methyl Acetate	4.442	43	19	Below Cal	#	56
20) Methylene Chloride	4.710	84	3193	Below Cal	#	65
25) 2-Butanone	6.978	43	706	1.497 ug/l	#	54
31) Cyclohexane	7.789	56	3050	Below Cal	#	30
36) 1,1-Dichloropropene	7.789	75	10632	5.248 ug/l	#	50
38) Carbon Tetrachloride	7.783	117	12644	5.823 ug/l	#	16
76) 1,2,3-Trichloropropane	12.477	75	46761	44.263 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.477	75	46761	96.815 ug/l	#	8

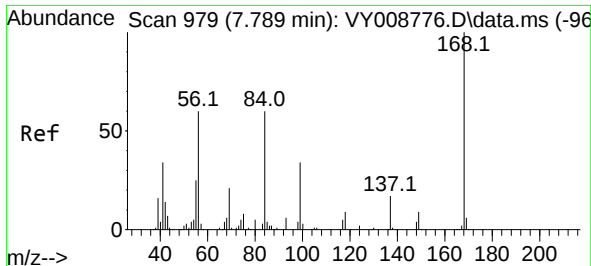
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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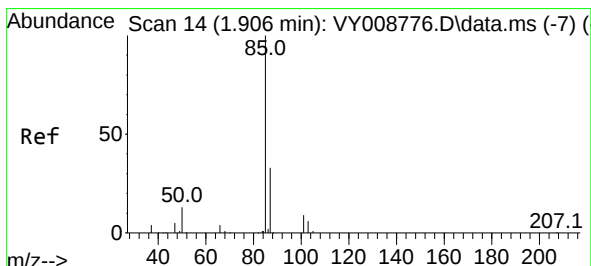
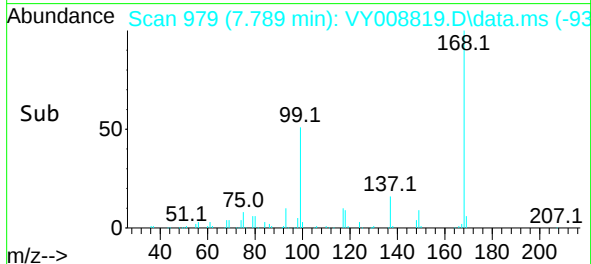
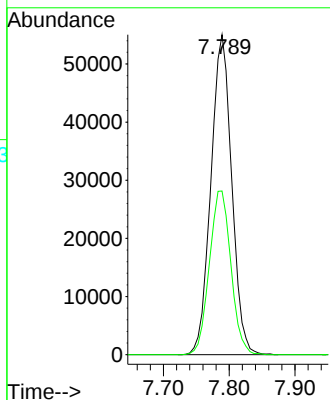
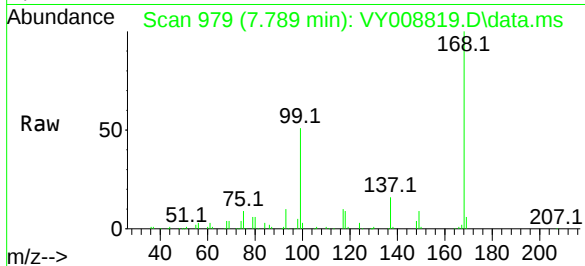




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY008819.D
Acq: 18 May 2022 17:16

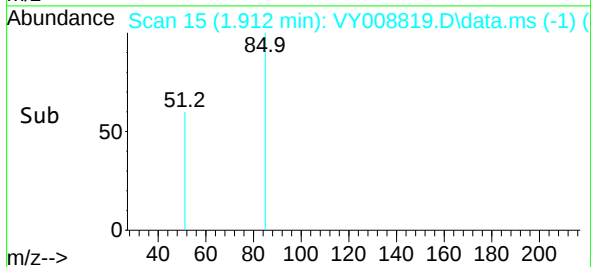
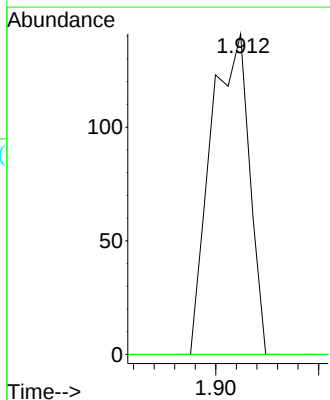
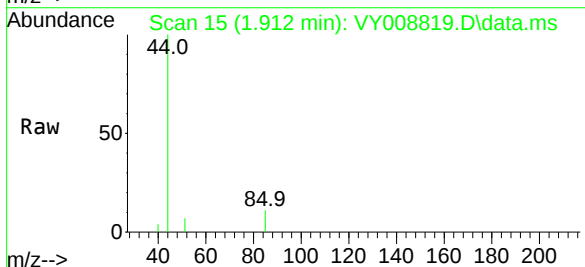
Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-0612-01

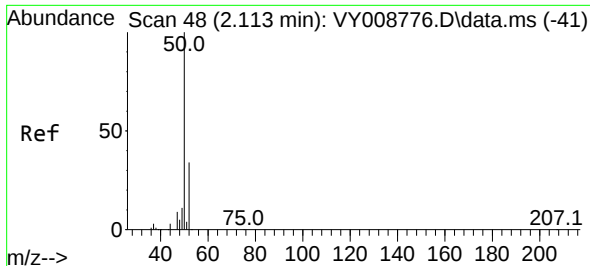
Tgt Ion:168 Resp: 121148
Ion Ratio Lower Upper
168 100
99 51.1 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY008819.D
Acq: 18 May 2022 17:16

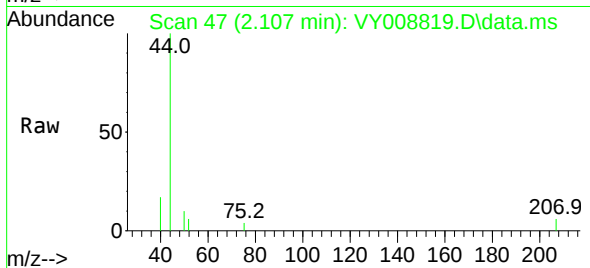
Tgt Ion: 85 Resp: 183
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#



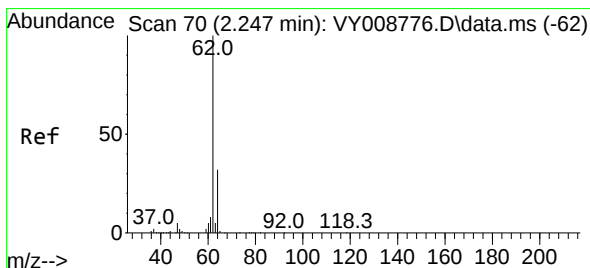
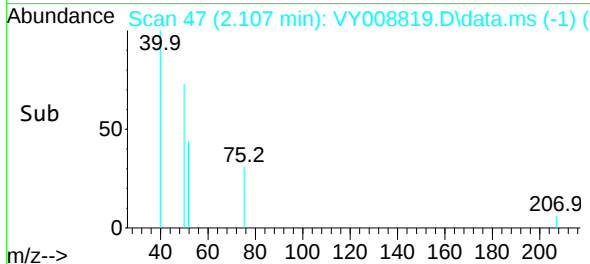
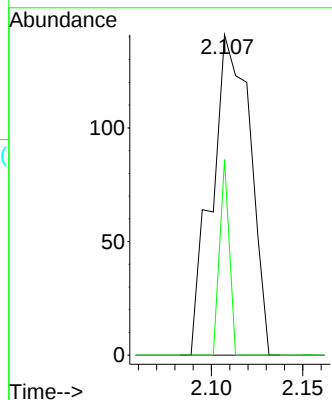


#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY008819.D
Acq: 18 May 2022 17:16

Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-0612-01

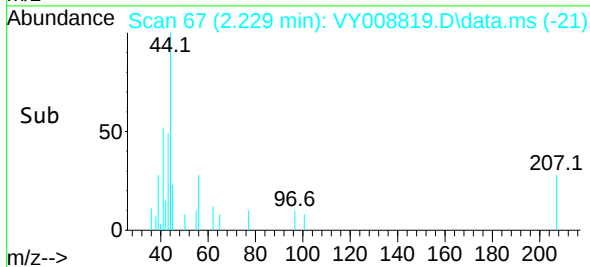
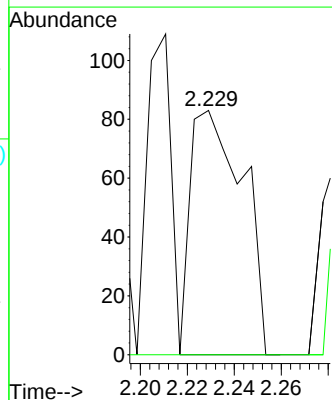
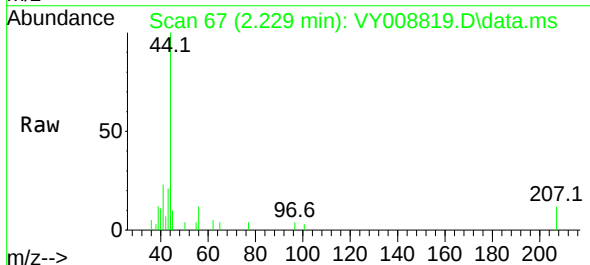


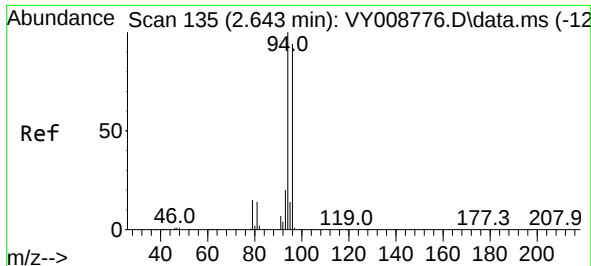
Tgt Ion: 50 Resp: 206
Ion Ratio Lower Upper
50 100
52 61.0 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.229 min Scan# 67
Delta R.T. -0.018 min
Lab File: VY008819.D
Acq: 18 May 2022 17:16

Tgt Ion: 62 Resp: 130
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

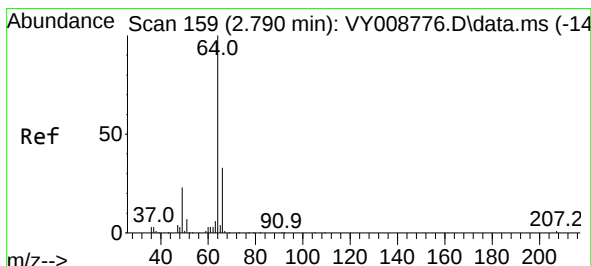
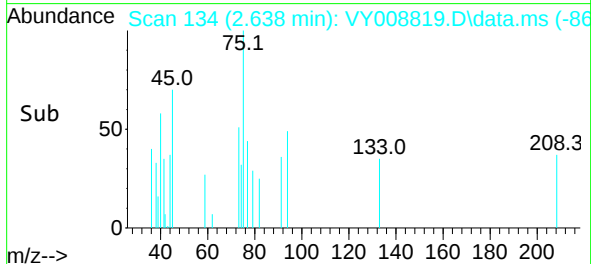
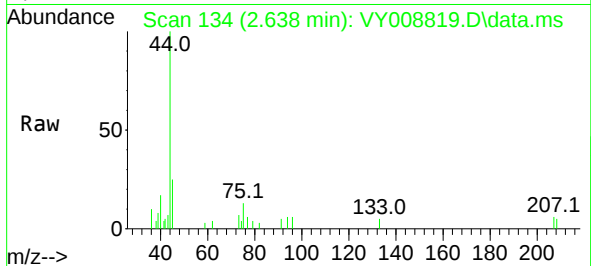




#5
Bromomethane
Concen: Below Cal
RT: 2.638 min Scan# 11
Delta R.T. -0.005 min
Lab File: VY008819.D
Acq: 18 May 2022 17:16

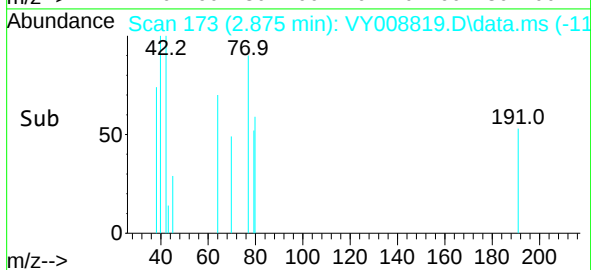
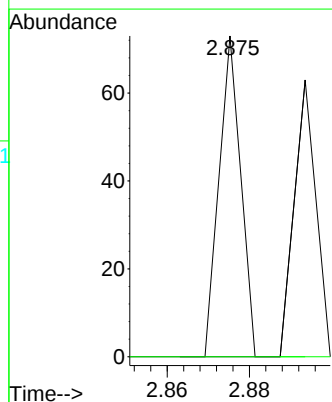
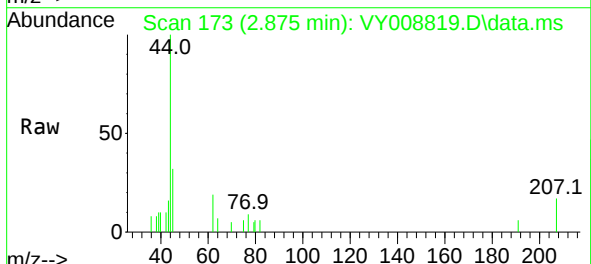
Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-0612-01

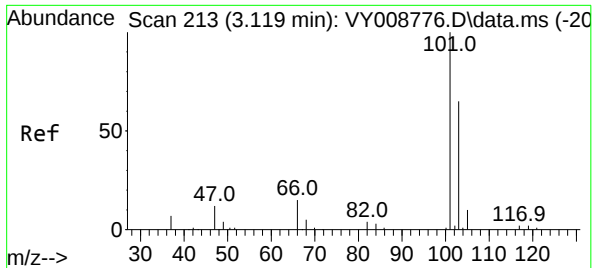
Tgt Ion: 94 Resp: 63
Ion Ratio Lower Upper
94 100
96 94.9 73.5 110.3



#6
Chloroethane
Concen: Below Cal
RT: 2.875 min Scan# 173
Delta R.T. 0.085 min
Lab File: VY008819.D
Acq: 18 May 2022 17:16

Tgt Ion: 64 Resp: 27
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

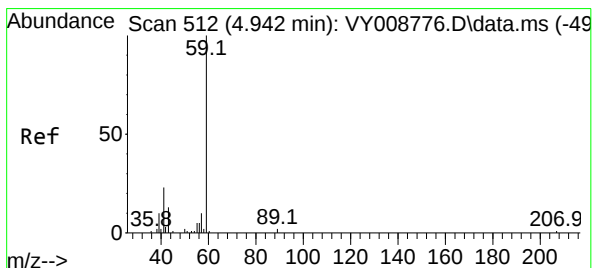
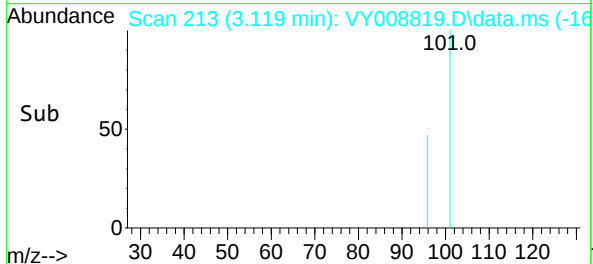
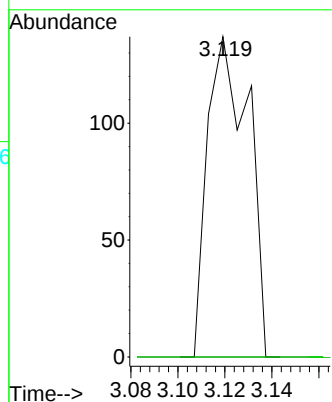
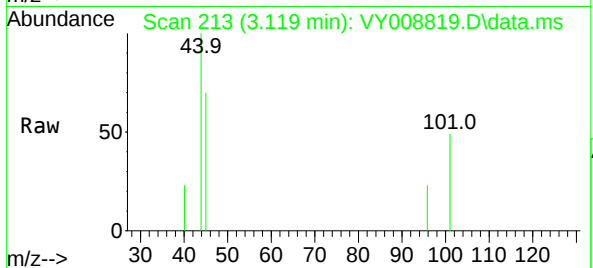




#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.119 min Scan# 213
Delta R.T. 0.000 min
Lab File: VY008819.D
Acq: 18 May 2022 17:16

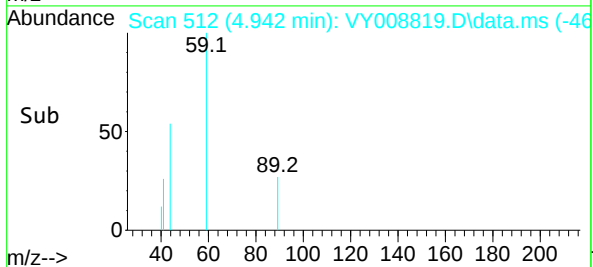
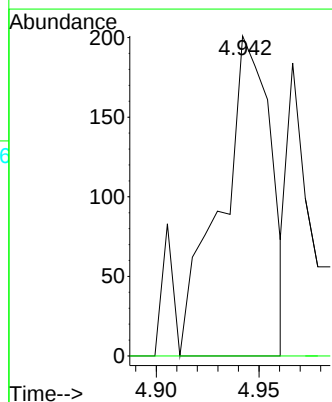
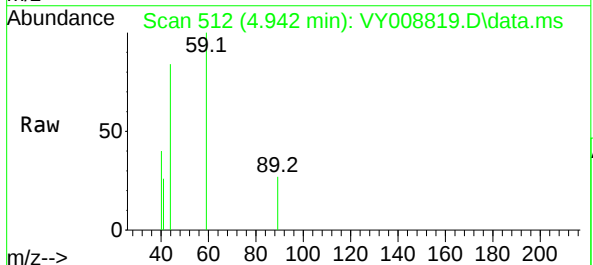
Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-0612-01

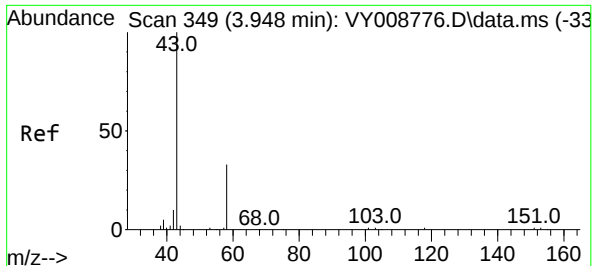
Tgt Ion:101 Resp: 166
Ion Ratio Lower Upper
101 100
103 0.0 48.0 72.0#



#11
Tert butyl alcohol
Concen: 2.753 ug/l
RT: 4.942 min Scan# 512
Delta R.T. 0.000 min
Lab File: VY008819.D
Acq: 18 May 2022 17:16

Tgt Ion: 59 Resp: 342
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

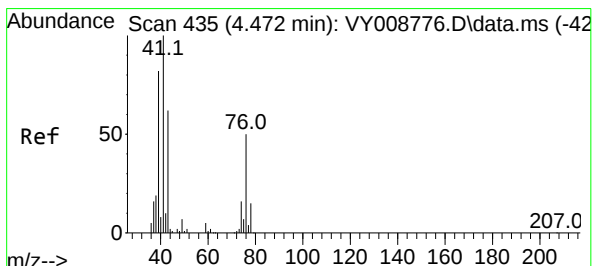
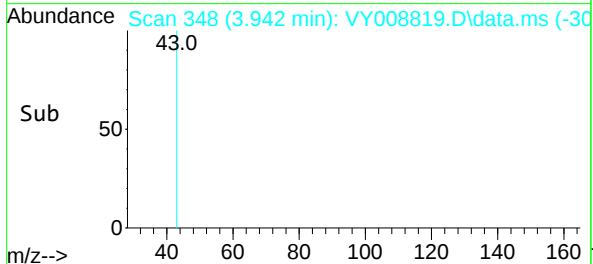
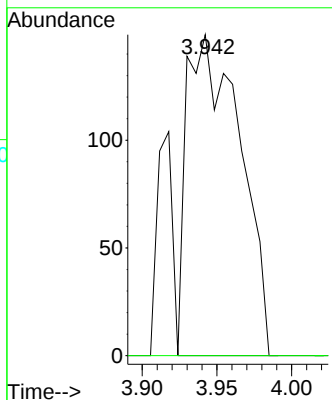
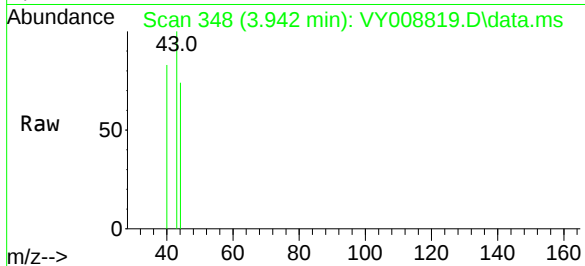




#16
Acetone
Concen: Below Cal
RT: 3.942 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY008819.D
Acq: 18 May 2022 17:16

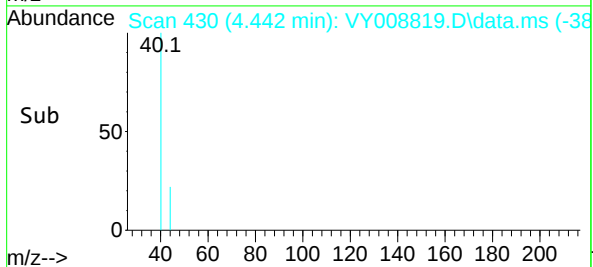
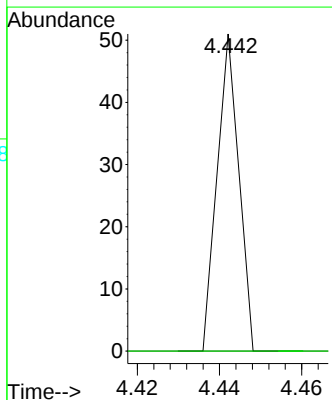
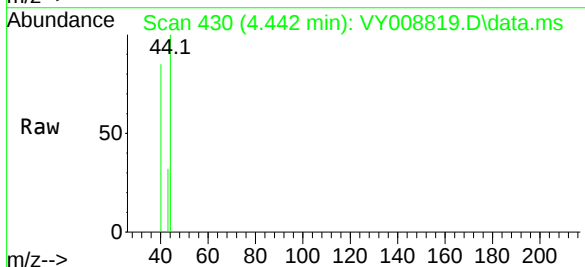
Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-0612-01

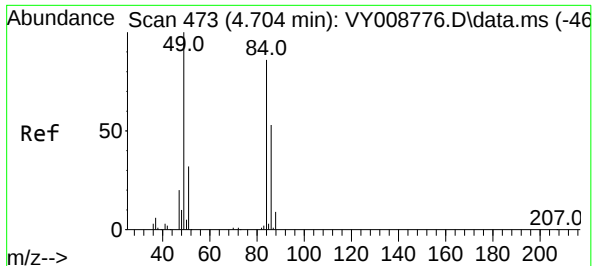
Tgt Ion: 43 Resp: 370
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.442 min Scan# 430
Delta R.T. -0.030 min
Lab File: VY008819.D
Acq: 18 May 2022 17:16

Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY008819.D

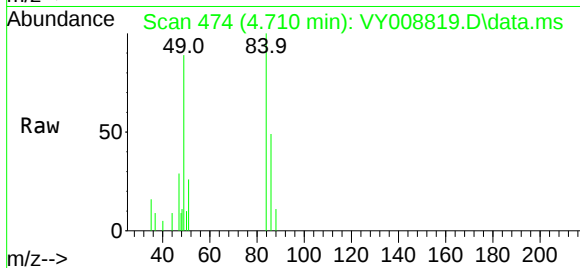
Acq: 18 May 2022 17:16

Instrument :

MSVOA_Y

ClientSampleId :

P006-SS002-0612-01



Tgt Ion: 84 Resp: 3193

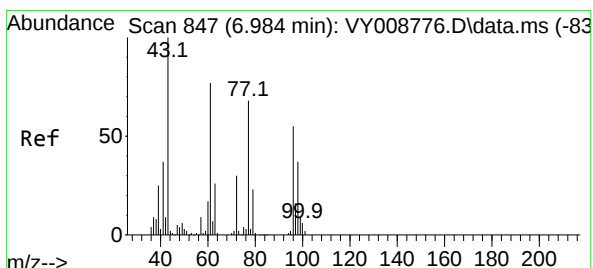
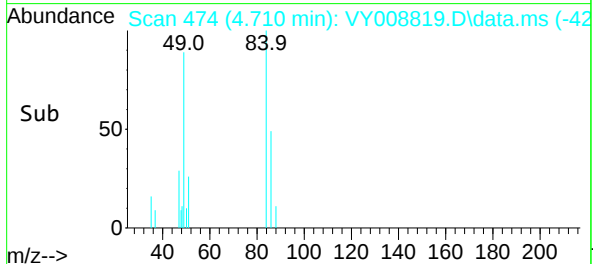
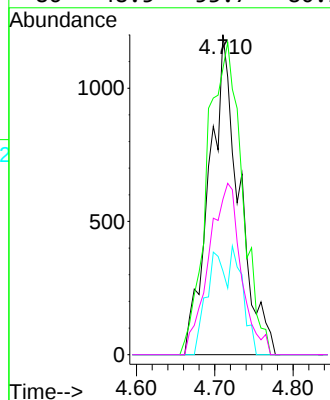
Ion Ratio Lower Upper

84 100

49 89.4 114.4 171.6#

51 26.1 35.3 52.9#

86 48.5 53.7 80.5#



#25

2-Butanone

Concen: 1.497 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY008819.D

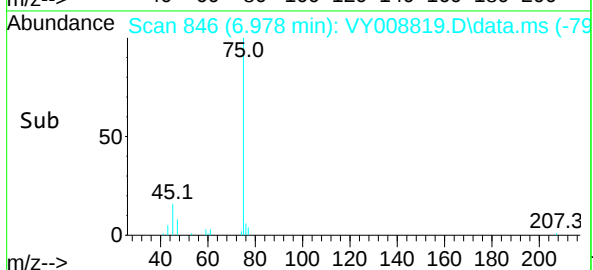
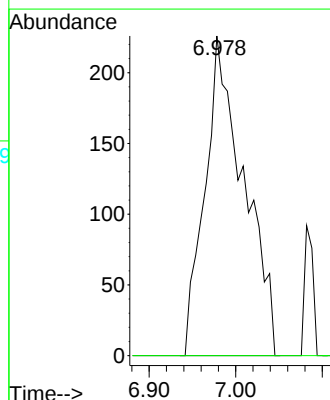
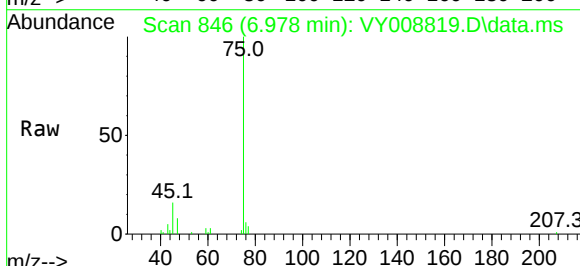
Acq: 18 May 2022 17:16

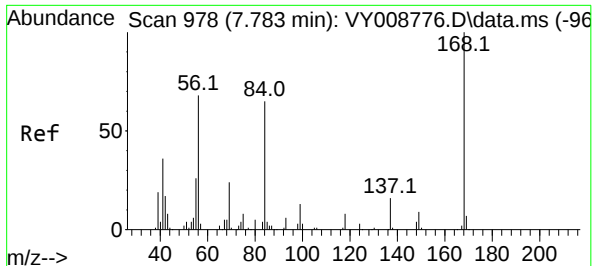
Tgt Ion: 43 Resp: 706

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#

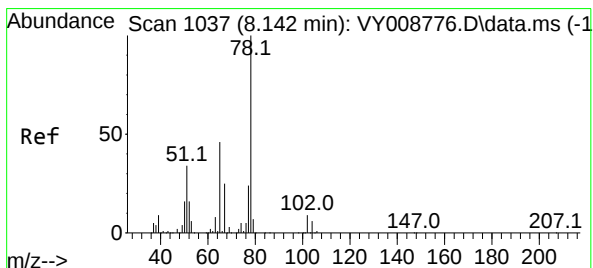
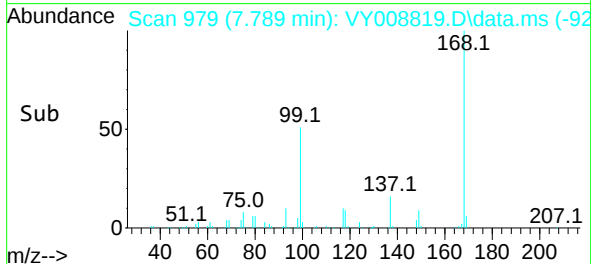
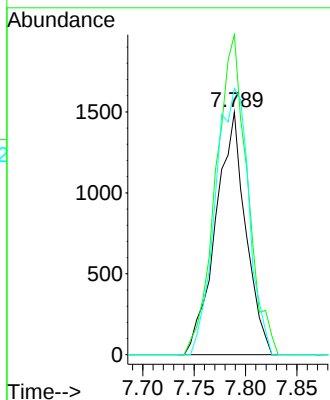
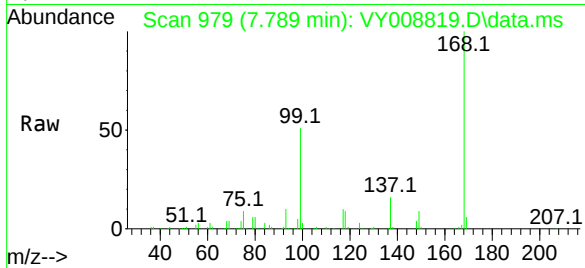




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008819.D
Acq: 18 May 2022 17:16

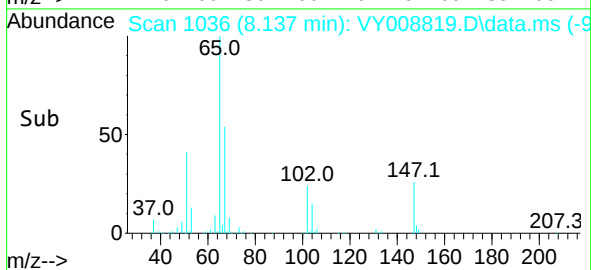
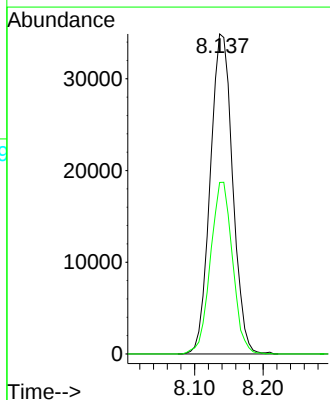
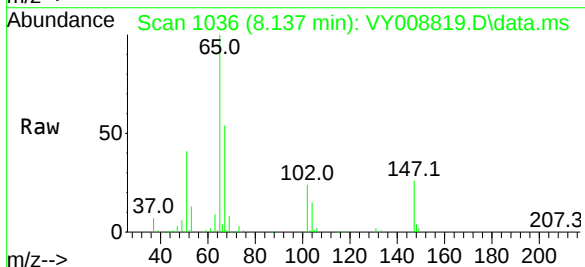
Instrument :
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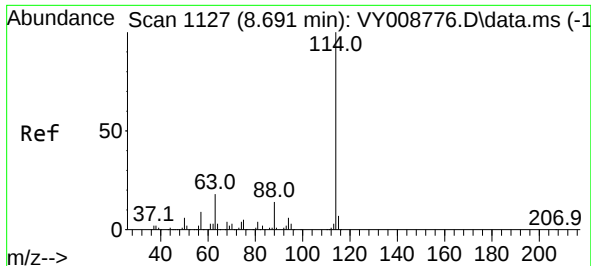
Tgt Ion: 56 Resp: 3050
Ion Ratio Lower Upper
56 100
69 131.9 26.7 40.1#
84 109.7 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 70.371 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY008819.D
Acq: 18 May 2022 17:16

Tgt Ion: 65 Resp: 79090
Ion Ratio Lower Upper
65 100
67 52.9 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY008819.D

Acq: 18 May 2022 17:16

Instrument :

MSVOA_Y

ClientSampleId :

P006-SS002-0612-01

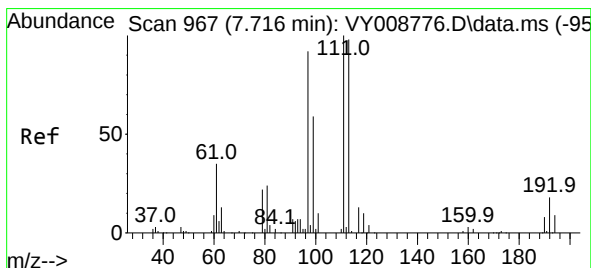
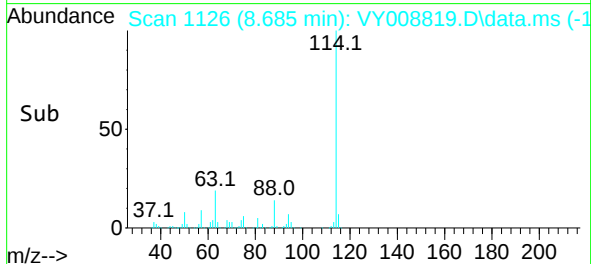
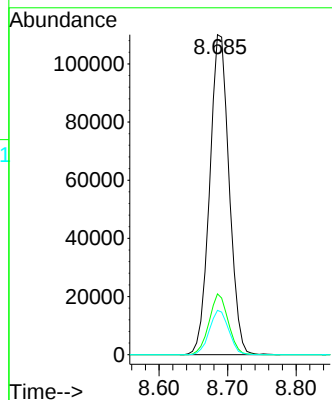
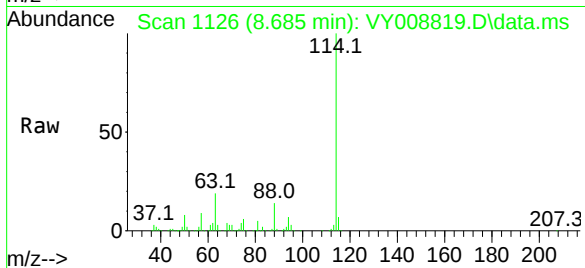
Tgt Ion:114 Resp: 216497

Ion Ratio Lower Upper

114 100

63 19.0 0.0 43.2

88 13.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 55.919 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY008819.D

Acq: 18 May 2022 17:16

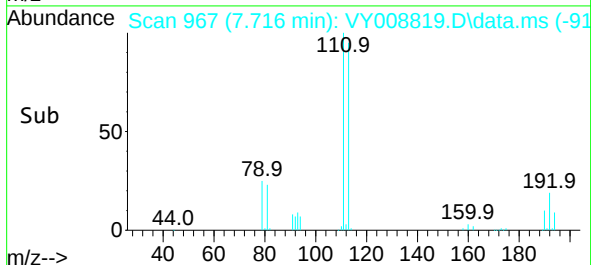
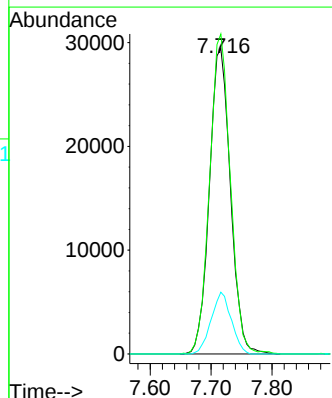
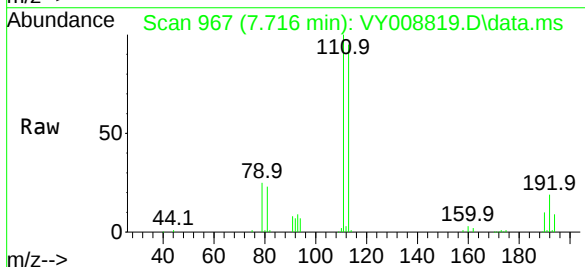
Tgt Ion:113 Resp: 70735

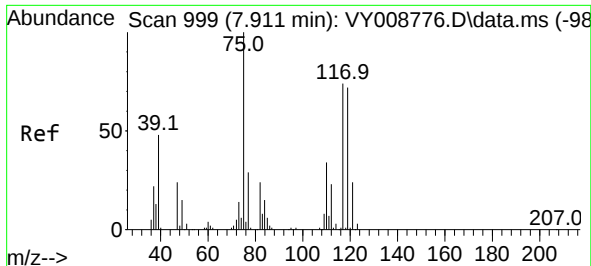
Ion Ratio Lower Upper

113 100

111 103.2 82.6 124.0

192 19.4 17.6 26.4

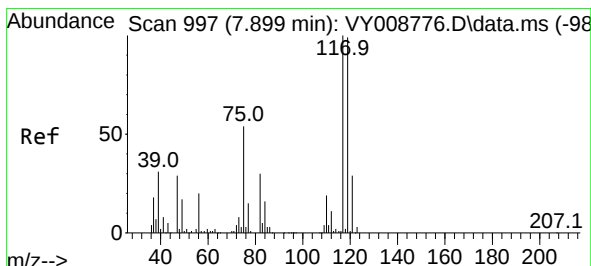
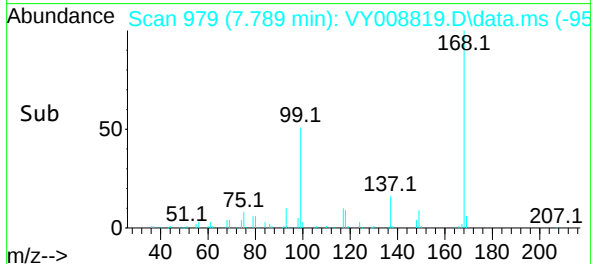
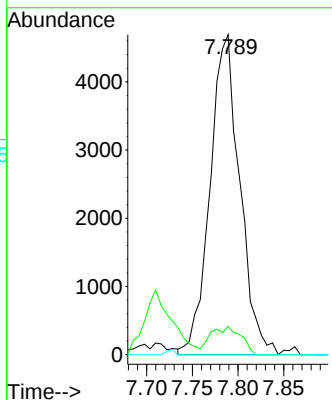
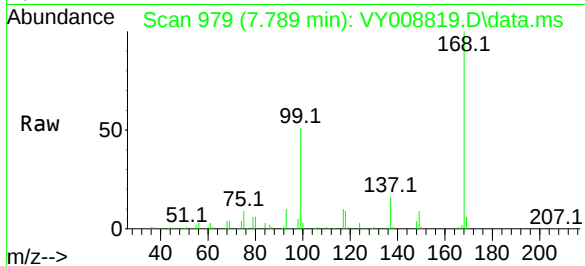




#36
1,1-Dichloropropene
Concen: 5.248 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY008819.D
Acq: 18 May 2022 17:16

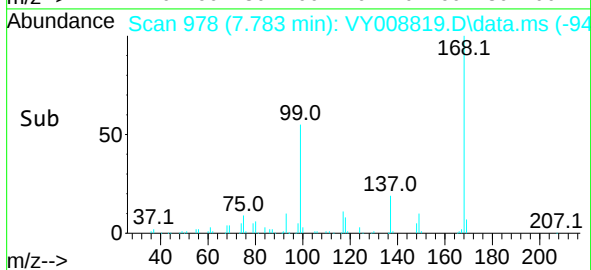
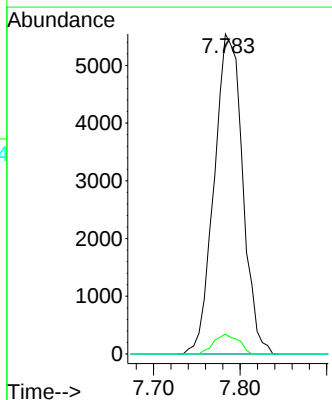
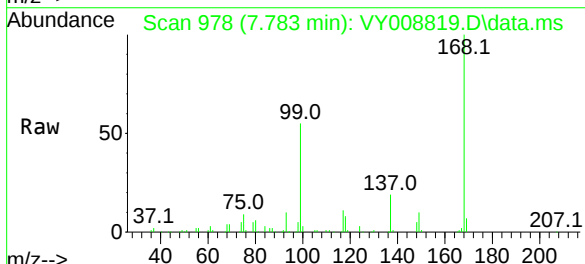
Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-0612-01

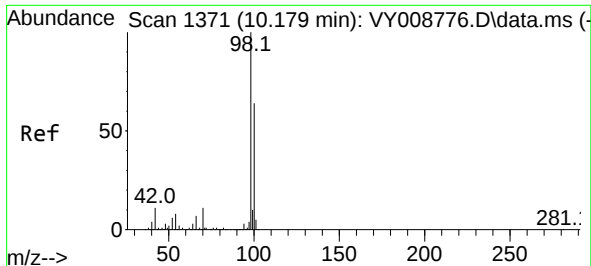
Tgt Ion: 75 Resp: 10632
Ion Ratio Lower Upper
75 100
110 8.9 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.823 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY008819.D
Acq: 18 May 2022 17:16

Tgt Ion: 117 Resp: 12644
Ion Ratio Lower Upper
117 100
119 6.2 77.9 116.9#
121 0.0 24.8 37.2#

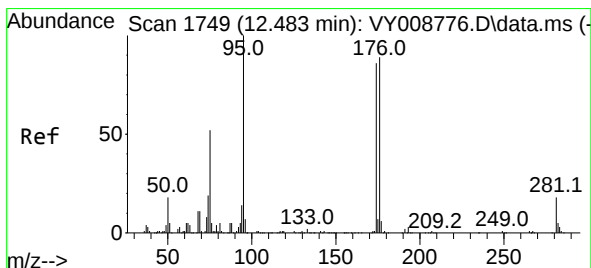
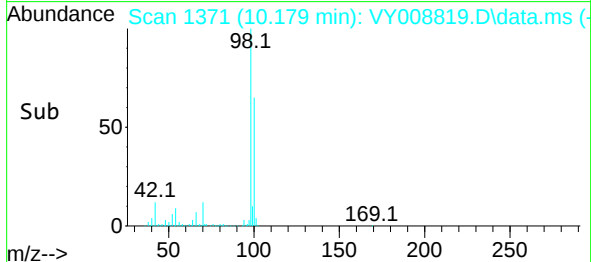
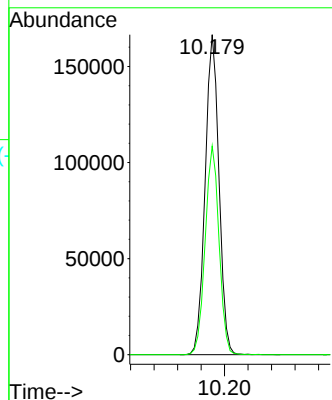
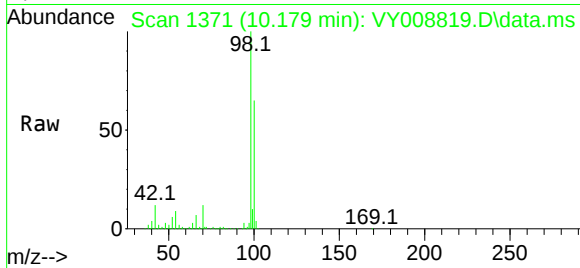




#50
Toluene-d8
Concen: 48.549 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY008819.D
Acq: 18 May 2022 17:16

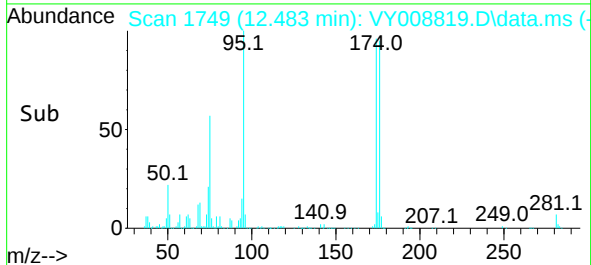
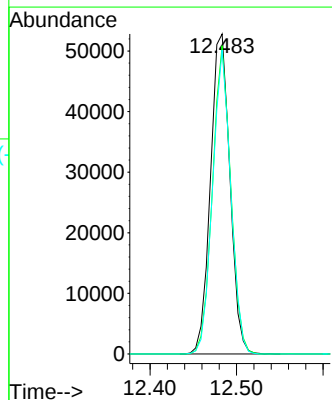
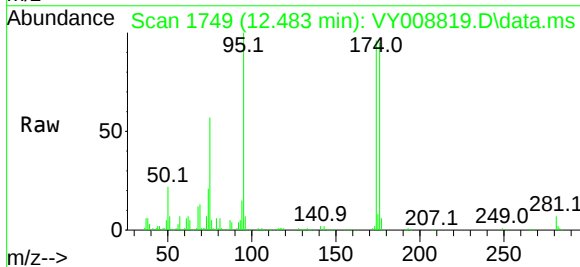
Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-0612-01

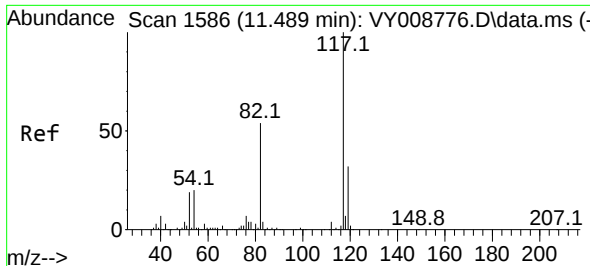
Tgt Ion: 98 Resp: 272422
Ion Ratio Lower Upper
98 100
100 65.3 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 41.610 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008819.D
Acq: 18 May 2022 17:16

Tgt Ion: 95 Resp: 82229
Ion Ratio Lower Upper
95 100
174 90.4 0.0 177.0
176 88.6 0.0 175.8

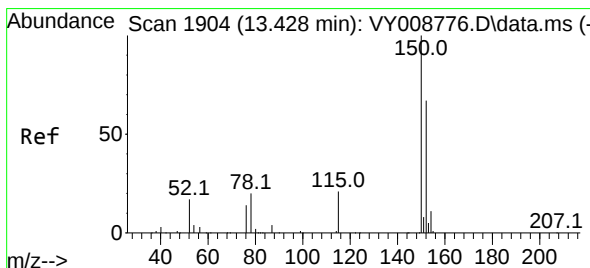
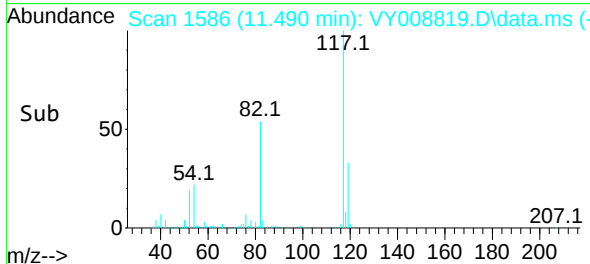
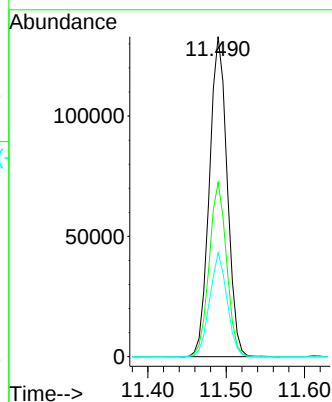
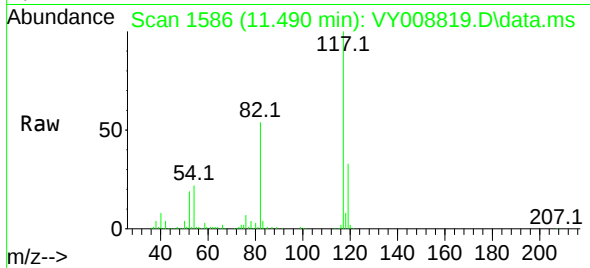




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY008819.D
Acq: 18 May 2022 17:16

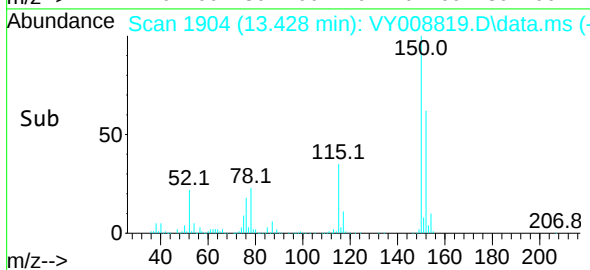
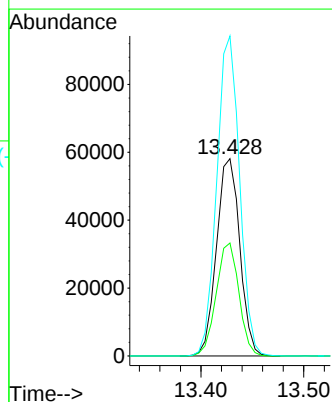
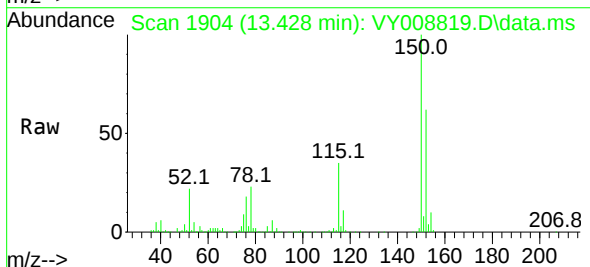
Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-0612-01

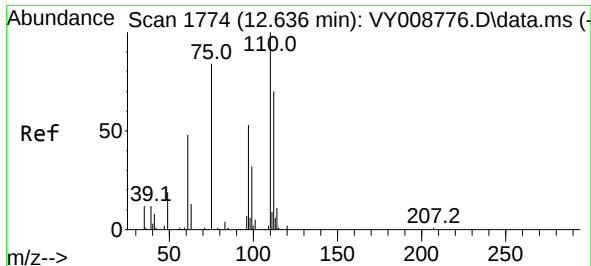
Tgt Ion:117 Resp: 209659
Ion Ratio Lower Upper
117 100
82 54.5 43.0 64.4
119 32.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008819.D
Acq: 18 May 2022 17:16

Tgt Ion:152 Resp: 91456
Ion Ratio Lower Upper
152 100
115 55.8 28.2 84.7
150 158.7 0.0 347.6

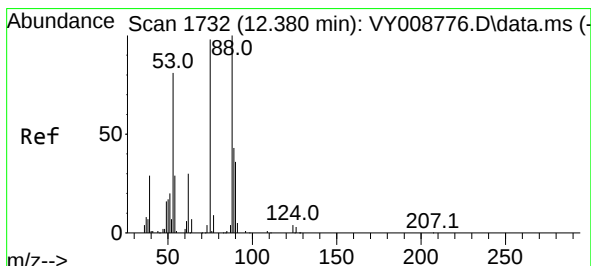
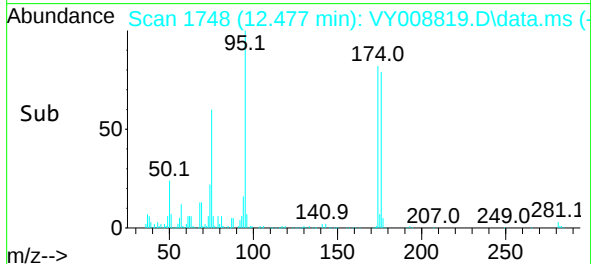
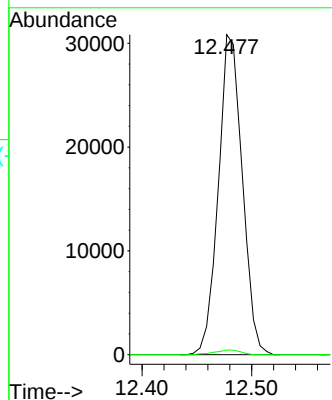
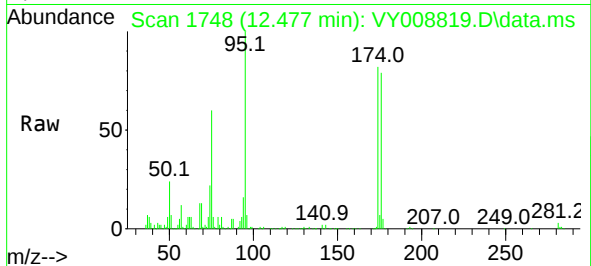




#76
1,2,3-Trichloropropane
Concen: 44.263 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY008819.D
Acq: 18 May 2022 17:16

Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-0612-01

Tgt Ion: 75 Resp: 46761
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.815 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY008819.D
Acq: 18 May 2022 17:16

Tgt Ion: 75 Resp: 46761
Ion Ratio Lower Upper
75 100
53 1.4 85.3 127.9#
89 0.0 37.0 55.4#

