

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051822\
 Data File : VY008847.D
 Acq On : 19 May 2022 04:55
 Operator : KP/MD
 Sample : N2869-20
 Misc : 5.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P032-SS001-2430-01

Quant Time: May 19 06:57:04 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)

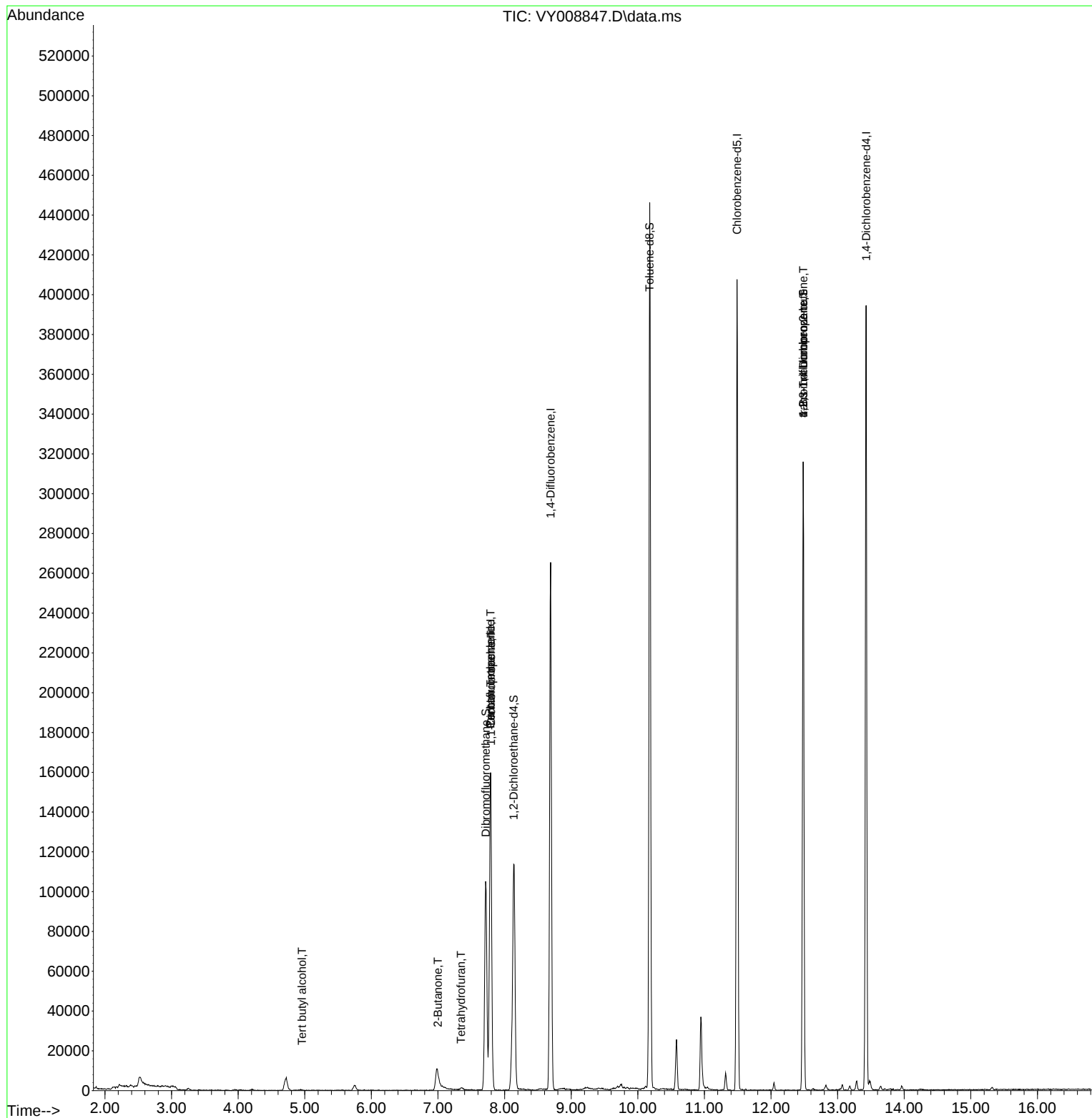
Internal Standards						
1) Pentafluorobenzene	7.789	168	122915	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	219609	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	213762	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	92427	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	79182	69.440	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 138.880%	
35) Dibromofluoromethane	7.716	113	70500	54.944	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.880%	
50) Toluene-d8	10.179	98	276831	48.630	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.260%	
62) 4-Bromofluorobenzene	12.483	95	81556	40.762	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 81.520%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	150	Below Cal	#	1
4) Vinyl Chloride	2.235	62	102	Below Cal	#	43
5) Bromomethane	2.644	94	46	Below Cal	#	4
6) Chloroethane	2.954	64	27	Below Cal	#	43
11) Tert butyl alcohol	4.960	59	438	3.475	ug/l #	77
16) Acetone	3.960	43	728	Below Cal	#	47
18) Methyl Acetate	4.686	43	29	Below Cal	#	56
20) Methylene Chloride	4.722	84	4727	Below Cal	#	79
25) 2-Butanone	6.996	43	715	1.494	ug/l #	54
29) Tetrahydrofuran	7.344	42	667	2.092	ug/l #	87
31) Cyclohexane	7.789	56	2810	Below Cal	#	34
36) 1,1-Dichloropropene	7.795	75	11171	5.436	ug/l #	49
38) Carbon Tetrachloride	7.789	117	12394	5.627	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	46376	43.437	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	46376	95.009	ug/l #	7

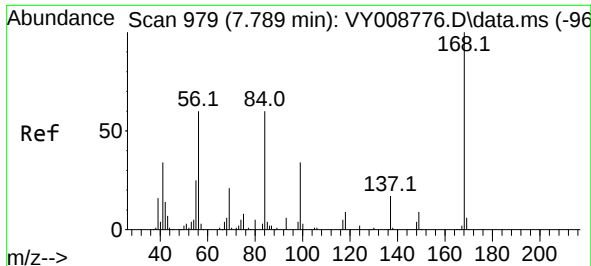
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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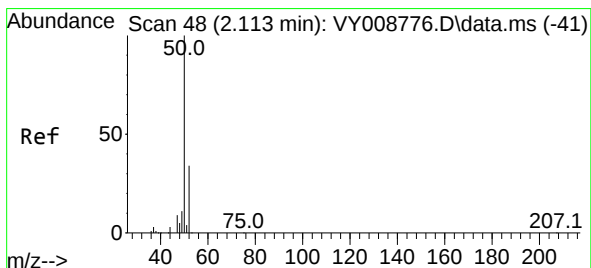
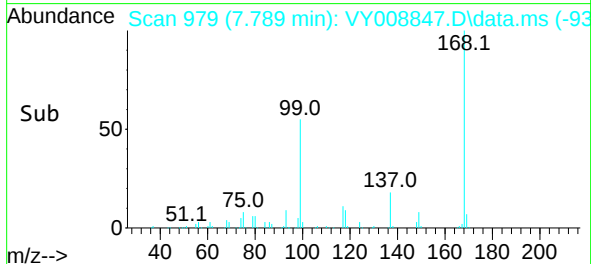
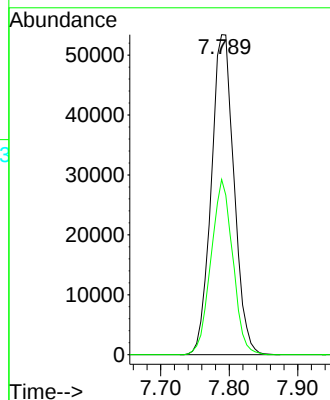
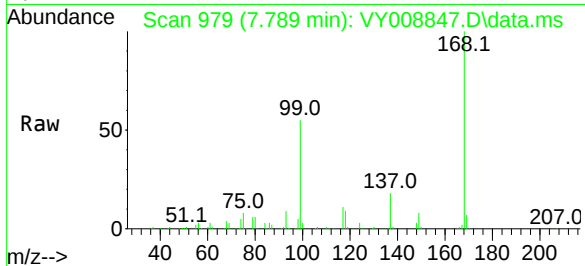




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008847.D
Acq: 19 May 2022 04:55

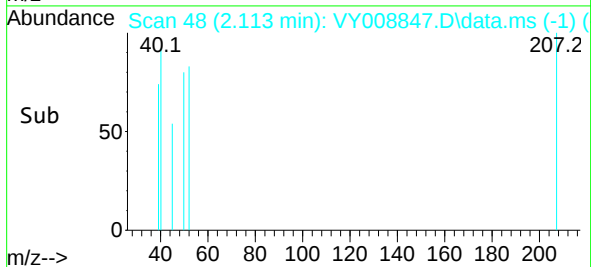
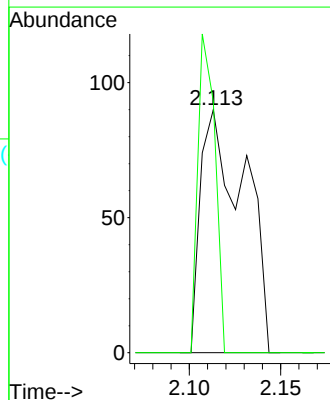
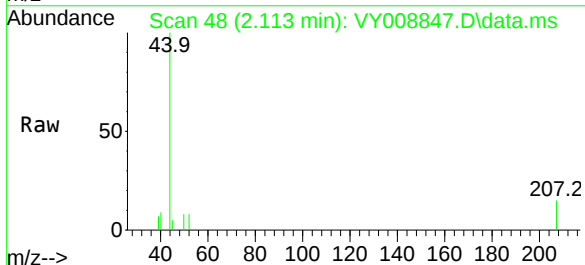
Instrument :
MSVOA_Y
ClientSampleId :
P032-SS001-2430-01

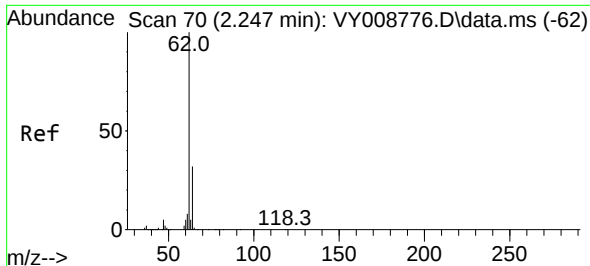
Tgt Ion:168 Resp: 122915
Ion Ratio Lower Upper
168 100
99 54.7 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY008847.D
Acq: 19 May 2022 04:55

Tgt Ion: 50 Resp: 150
Ion Ratio Lower Upper
50 100
52 103.3 24.6 37.0#

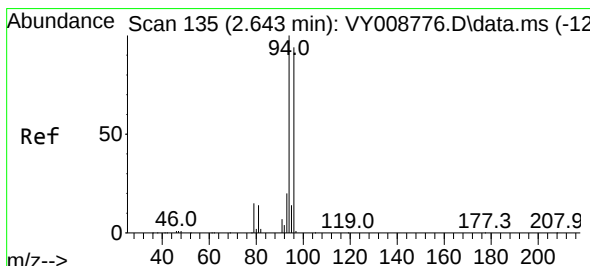
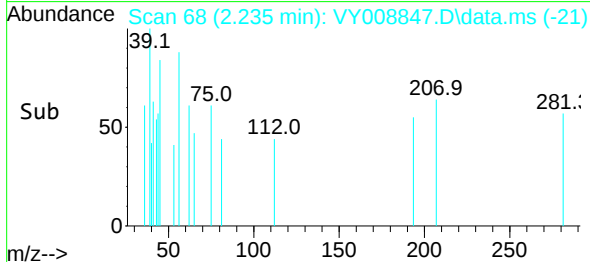
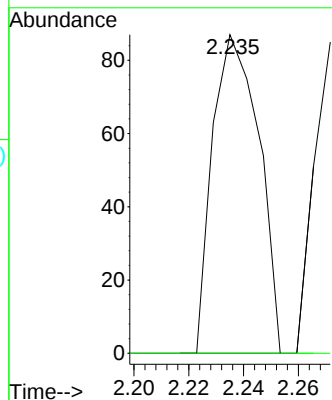
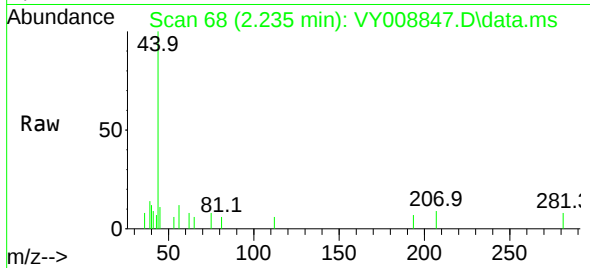




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.235 min Scan# 61
 Delta R.T. -0.012 min
 Lab File: VY008847.D
 Acq: 19 May 2022 04:55

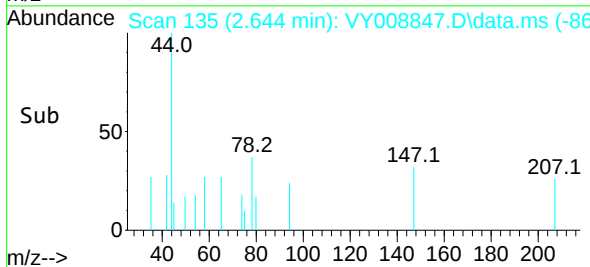
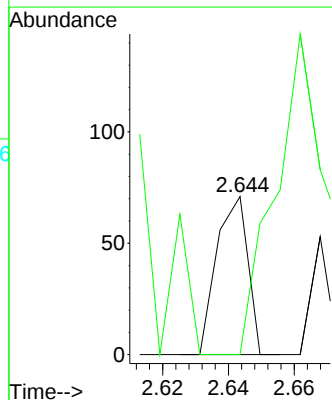
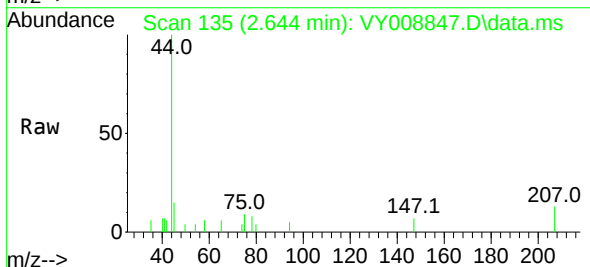
Instrument :
 MSVOA_Y
 ClientSampleId :
 P032-SS001-2430-01

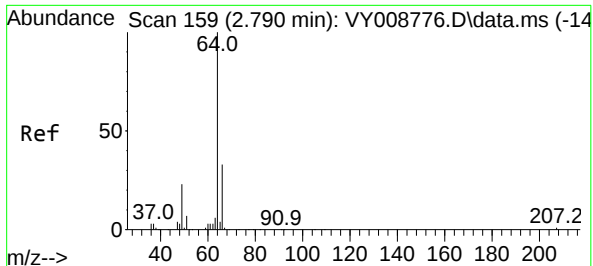
Tgt Ion: 62 Resp: 102
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.644 min Scan# 135
 Delta R.T. 0.001 min
 Lab File: VY008847.D
 Acq: 19 May 2022 04:55

Tgt Ion: 94 Resp: 46
 Ion Ratio Lower Upper
 94 100
 96 0.0 73.5 110.3#

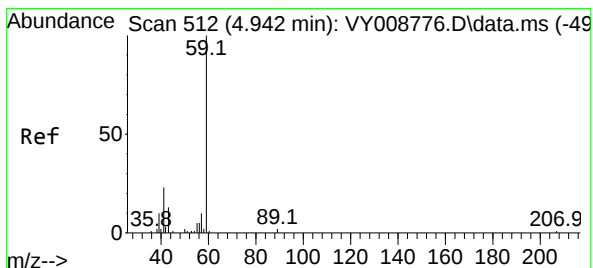
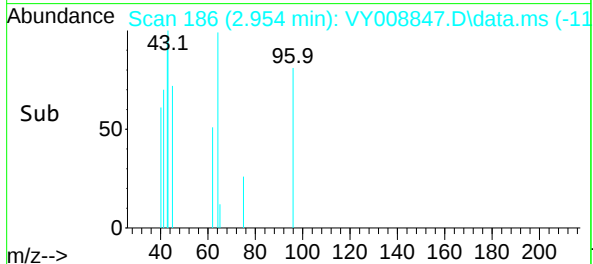
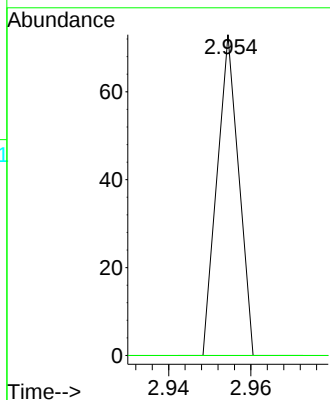
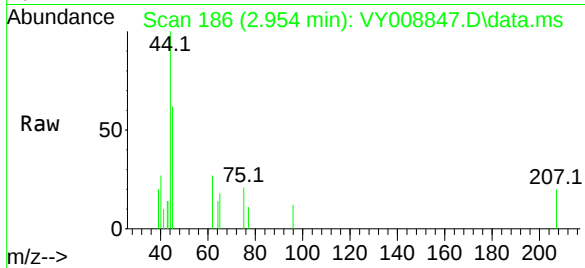




#6
Chloroethane
Concen: Below Cal
RT: 2.954 min Scan# 11
Delta R.T. 0.164 min
Lab File: VY008847.D
Acq: 19 May 2022 04:55

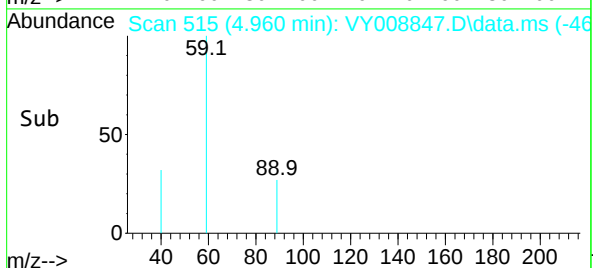
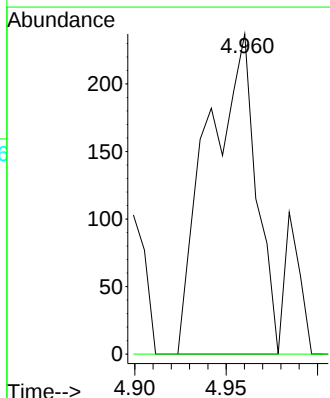
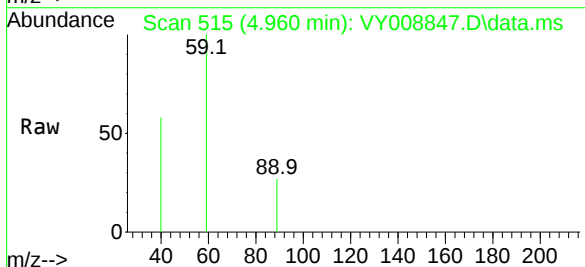
Instrument :
MSVOA_Y
ClientSampleId :
P032-SS001-2430-01

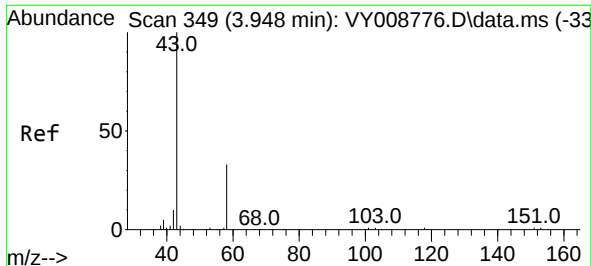
Tgt Ion: 64 Resp: 27
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 3.475 ug/l
RT: 4.960 min Scan# 515
Delta R.T. 0.018 min
Lab File: VY008847.D
Acq: 19 May 2022 04:55

Tgt Ion: 59 Resp: 438
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

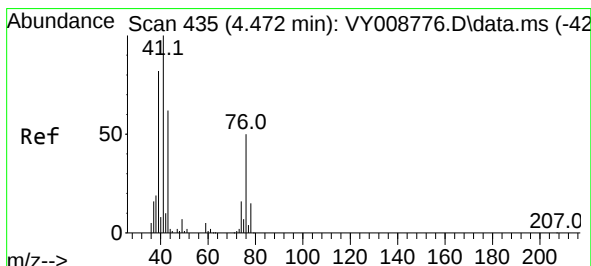
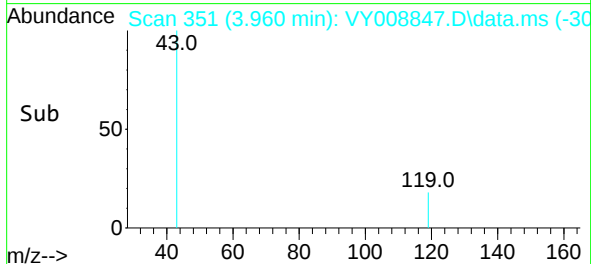
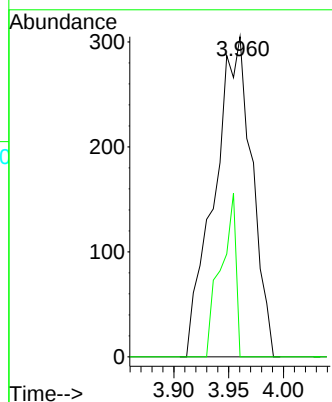
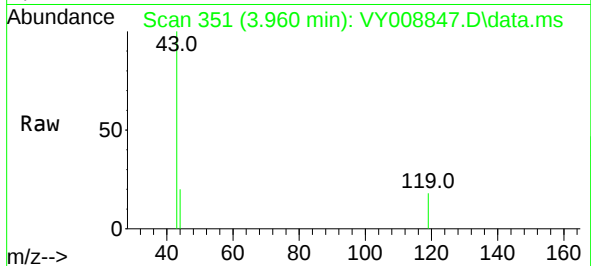




#16
Acetone
Concen: Below Cal
RT: 3.960 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY008847.D
Acq: 19 May 2022 04:55

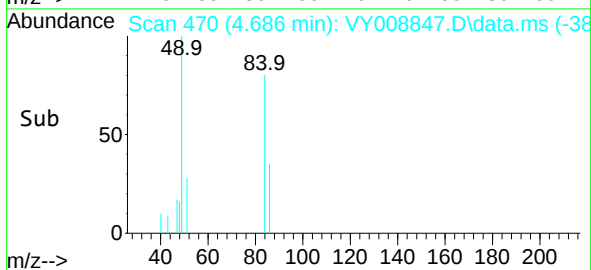
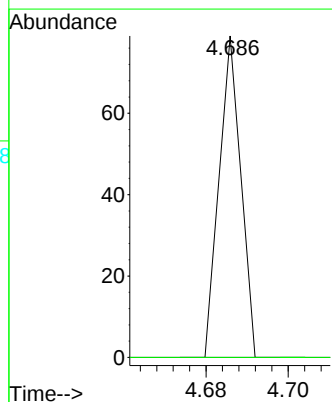
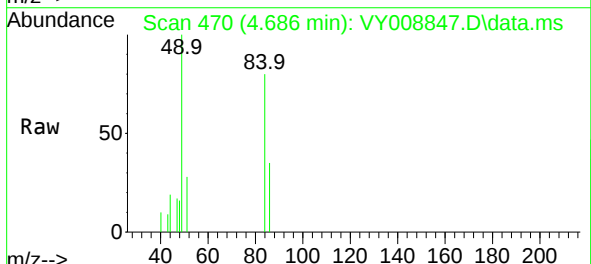
Instrument :
MSVOA_Y
ClientSampleId :
P032-SS001-2430-01

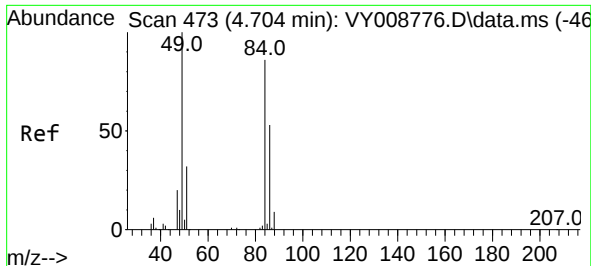
Tgt Ion: 43 Resp: 728
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.686 min Scan# 470
Delta R.T. 0.214 min
Lab File: VY008847.D
Acq: 19 May 2022 04:55

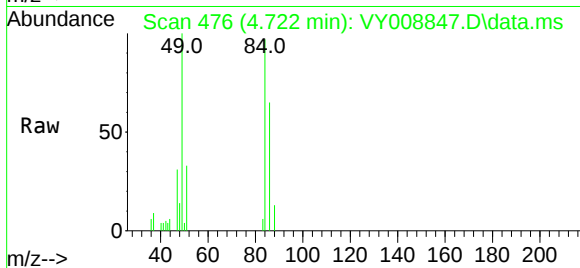
Tgt Ion: 43 Resp: 29
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



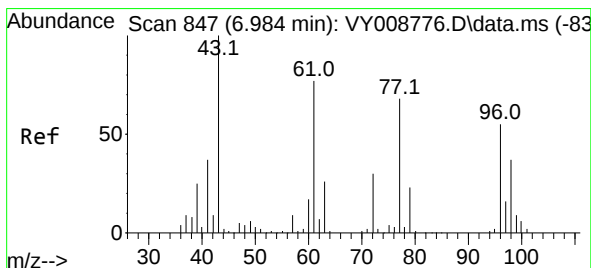
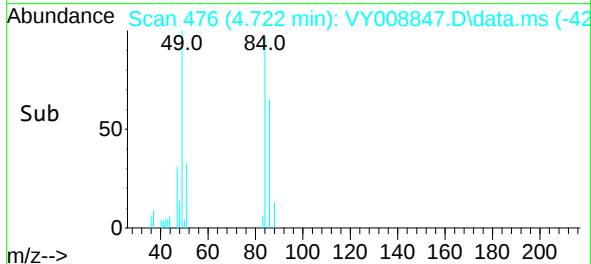
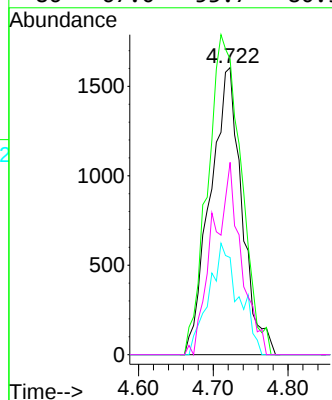


#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 41
Delta R.T. 0.018 min
Lab File: VY008847.D
Acq: 19 May 2022 04:55

Instrument :
MSVOA_Y
ClientSampleId :
P032-SS001-2430-01

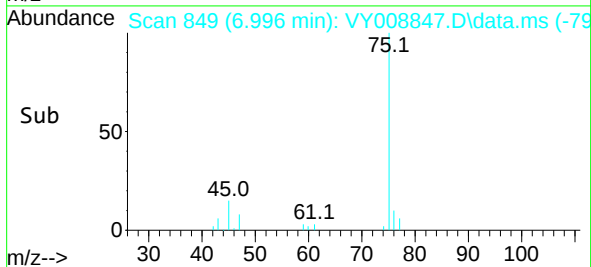
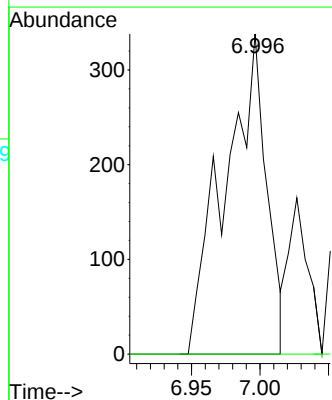
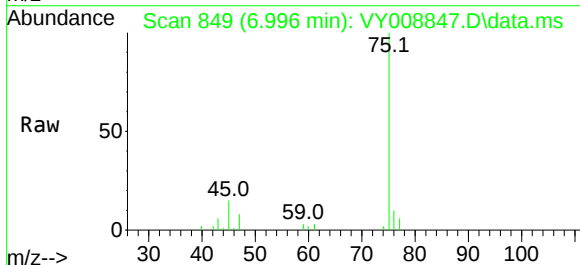


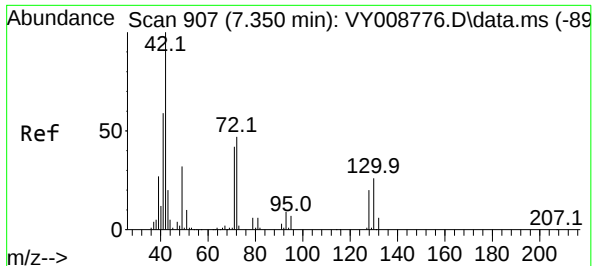
Tgt Ion: 84 Resp: 4727
Ion Ratio Lower Upper
84 100
49 102.9 114.4 171.6#
51 33.8 35.3 52.9#
86 67.0 53.7 80.5



#25
2-Butanone
Concen: 1.494 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.012 min
Lab File: VY008847.D
Acq: 19 May 2022 04:55

Tgt Ion: 43 Resp: 715
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#





#29

Tetrahydrofuran

Concen: 2.092 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.006 min

Lab File: VY008847.D

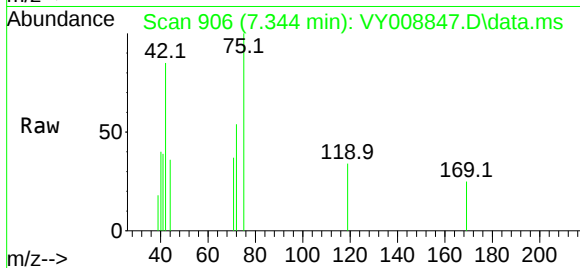
Acq: 19 May 2022 04:55

Instrument :

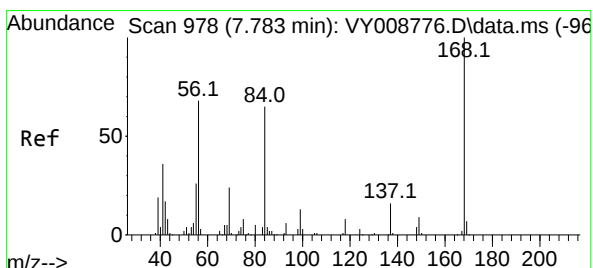
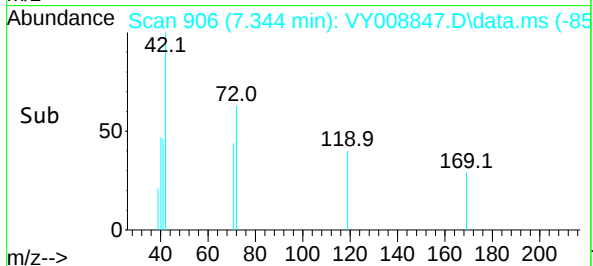
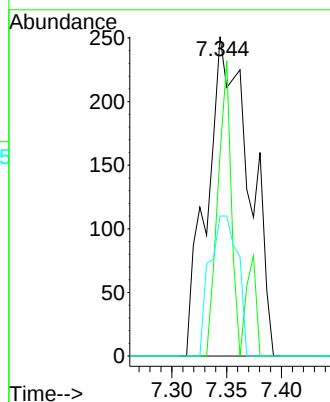
MSVOA_Y

ClientSampleId :

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Tgt Ion:	42	Resp:	667
Ion Ratio	Lower	Upper	
42	100		
72	29.4	30.3	45.5#
71	29.2	29.0	43.4



#31

Cyclohexane

Concen: Below Cal

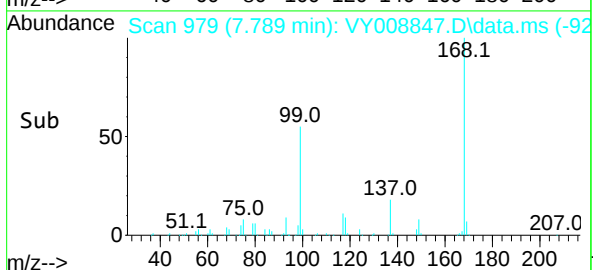
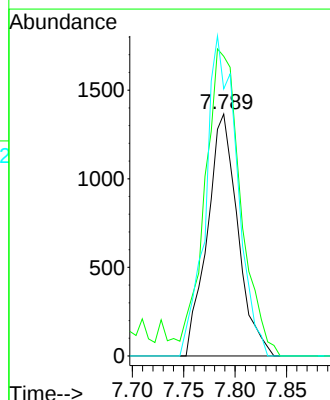
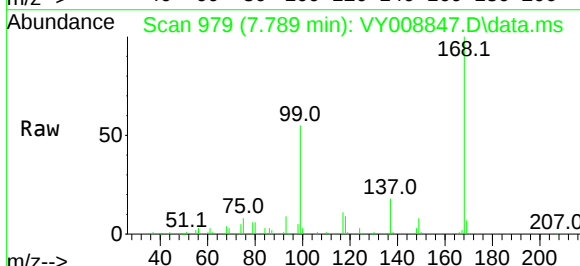
RT: 7.789 min Scan# 979

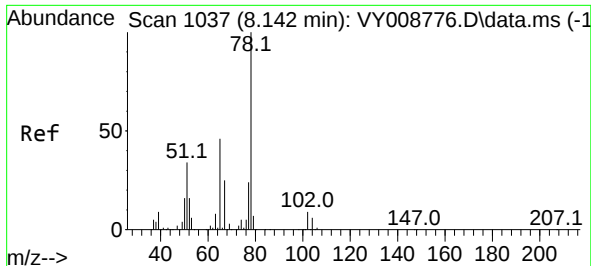
Delta R.T. 0.006 min

Lab File: VY008847.D

Acq: 19 May 2022 04:55

Tgt Ion:	56	Resp:	2810
Ion Ratio	Lower	Upper	
56	100		
69	123.9	26.7	40.1#
84	110.4	67.2	100.8#

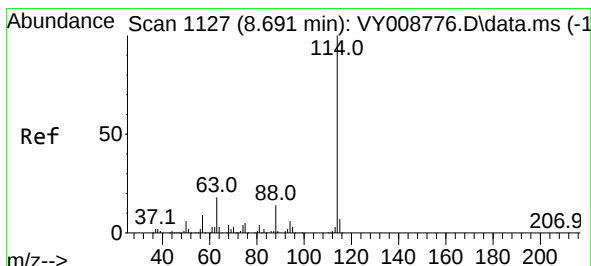
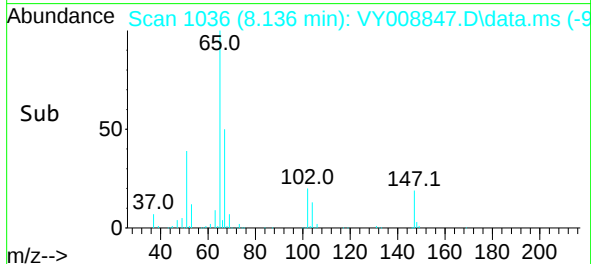
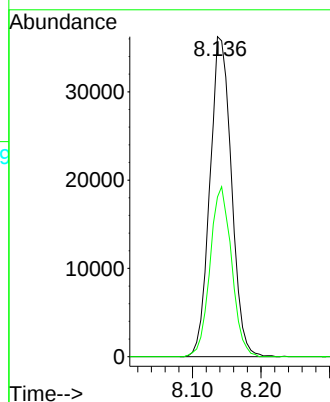
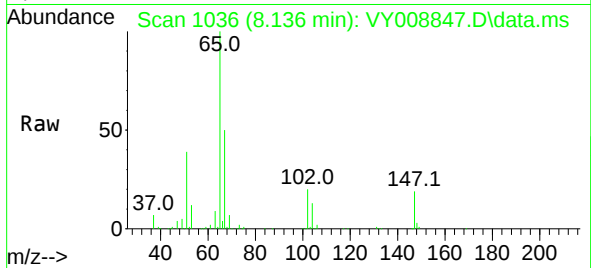




#33
 1,2-Dichloroethane-d4
 Concen: 69.440 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. -0.006 min
 Lab File: VY008847.D
 Acq: 19 May 2022 04:55

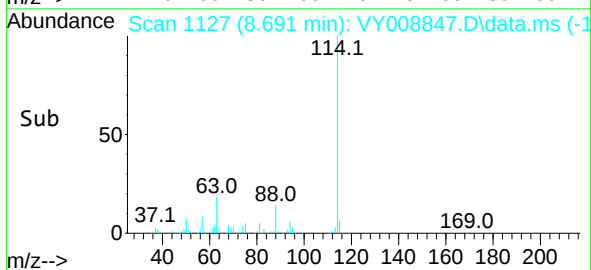
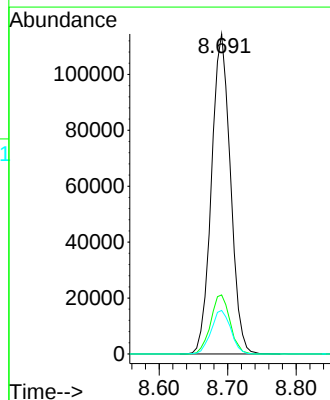
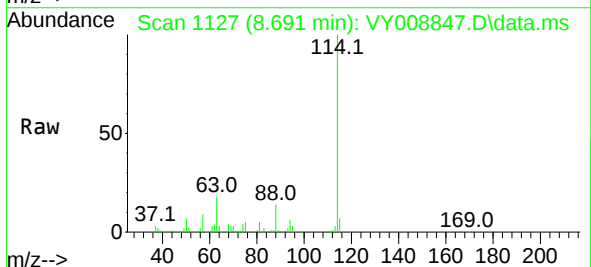
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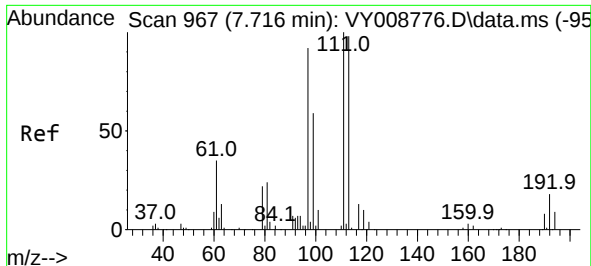
Tgt Ion: 65 Resp: 79182
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY008847.D
 Acq: 19 May 2022 04:55

Tgt Ion: 114 Resp: 219609
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 43.2
 88 13.6 0.0 31.8

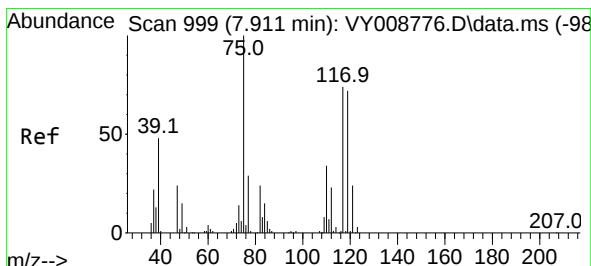
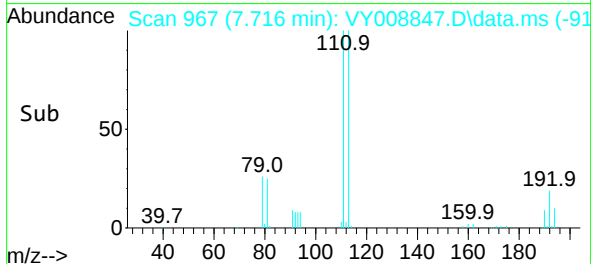
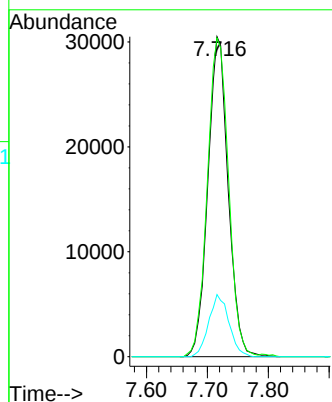
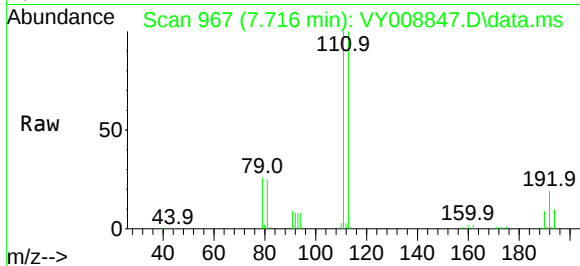




#35
Dibromofluoromethane
Concen: 54.944 ug/l
RT: 7.716 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY008847.D
Acq: 19 May 2022 04:55

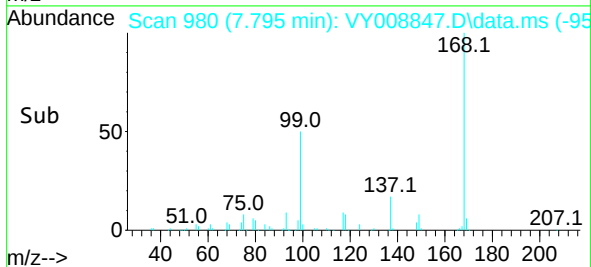
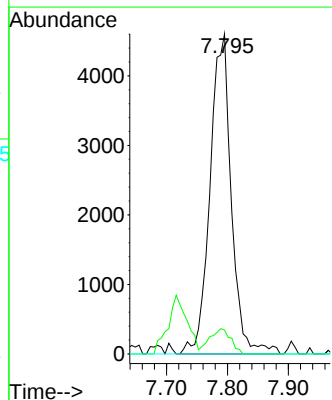
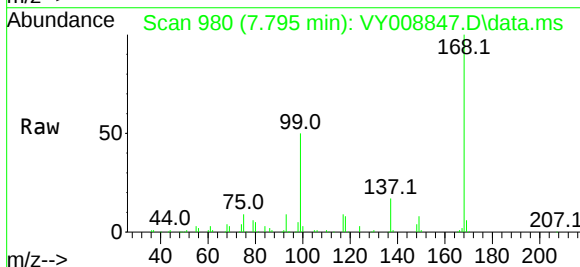
Instrument :
MSVOA_Y
ClientSampleId :
P032-SS001-2430-01

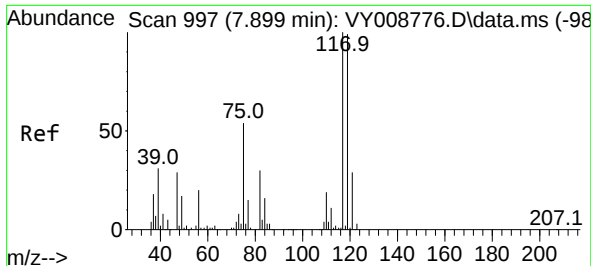
Tgt Ion:113 Resp: 70500
Ion Ratio Lower Upper
113 100
111 104.0 82.6 124.0
192 19.4 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.436 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY008847.D
Acq: 19 May 2022 04:55

Tgt Ion: 75 Resp: 11171
Ion Ratio Lower Upper
75 100
110 7.5 17.1 51.2#
77 0.0 24.4 36.6#

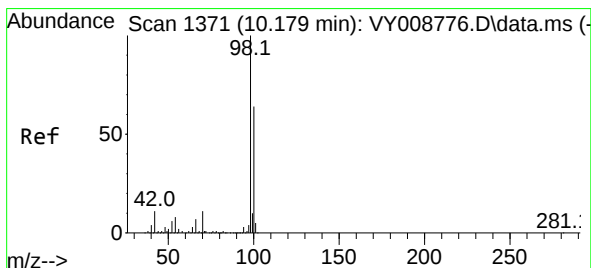
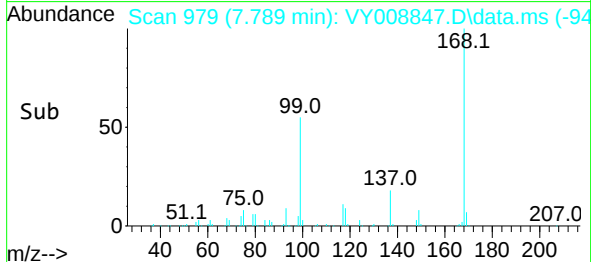
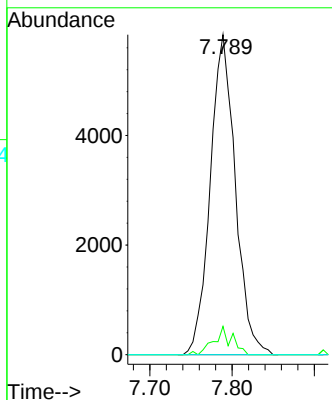
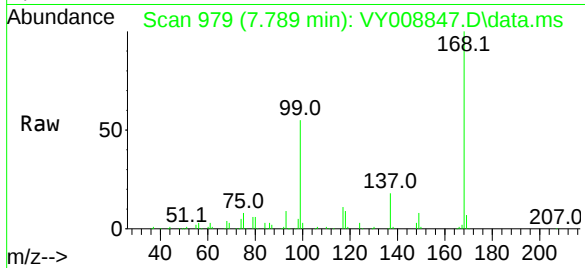




#38
Carbon Tetrachloride
Concen: 5.627 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY008847.D
Acq: 19 May 2022 04:55

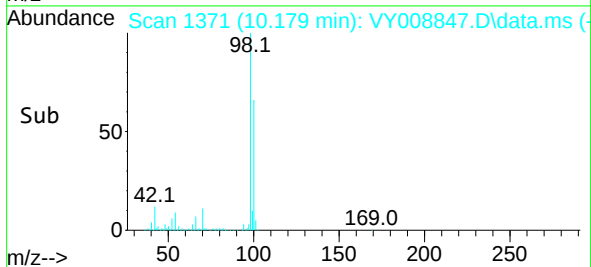
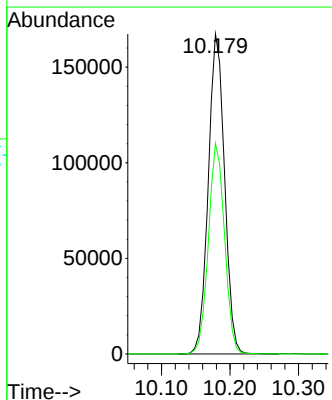
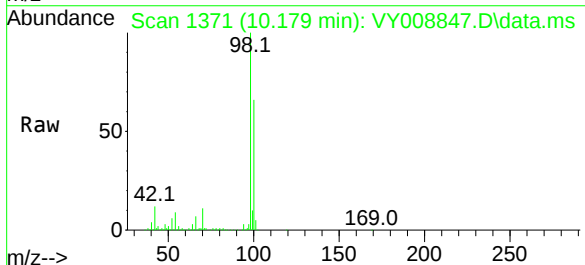
Instrument :
MSVOA_Y
ClientSampleId :
P032-SS001-2430-01

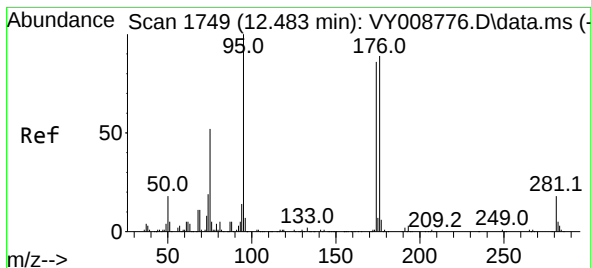
Tgt Ion:117 Resp: 12394
Ion Ratio Lower Upper
117 100
119 8.8 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.630 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008847.D
Acq: 19 May 2022 04:55

Tgt Ion: 98 Resp: 276831
Ion Ratio Lower Upper
98 100
100 65.4 50.2 75.2





#62

4-Bromofluorobenzene

Concen: 40.762 ug/l

RT: 12.483 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY008847.D

Acq: 19 May 2022 04:55

Instrument :

MSVOA_Y

ClientSampleId :

P032-SS001-2430-01

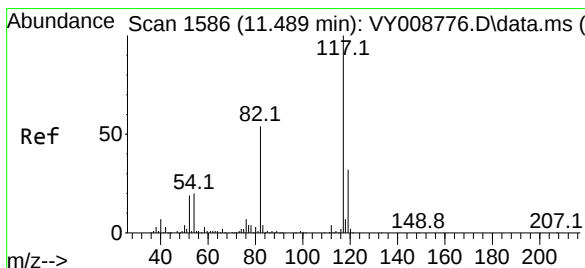
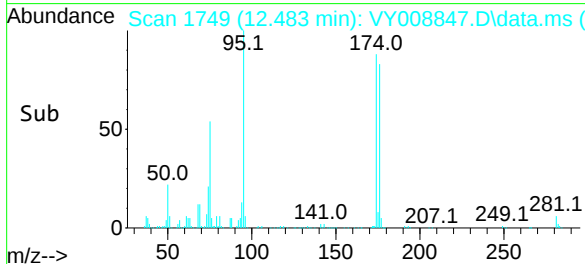
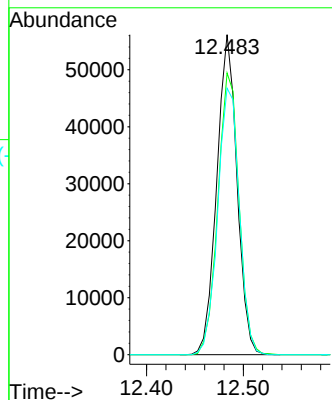
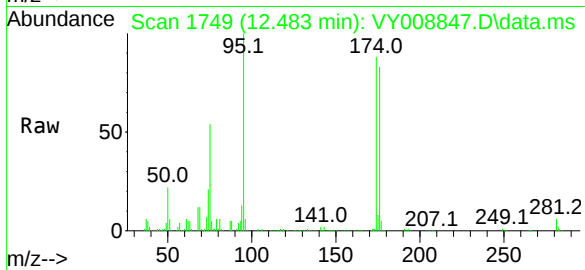
Tgt Ion: 95 Resp: 81556

Ion Ratio Lower Upper

95 100

174 91.6 0.0 177.0

176 88.6 0.0 175.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. 0.000 min

Lab File: VY008847.D

Acq: 19 May 2022 04:55

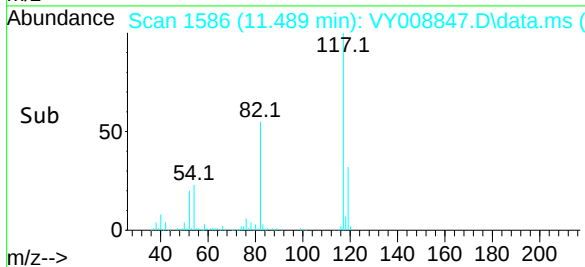
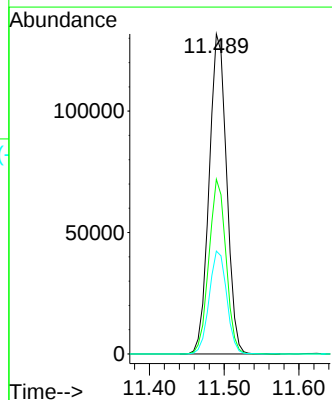
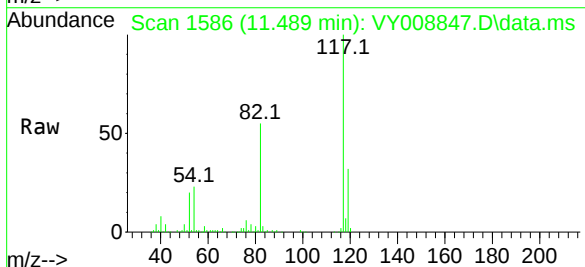
Tgt Ion: 117 Resp: 213762

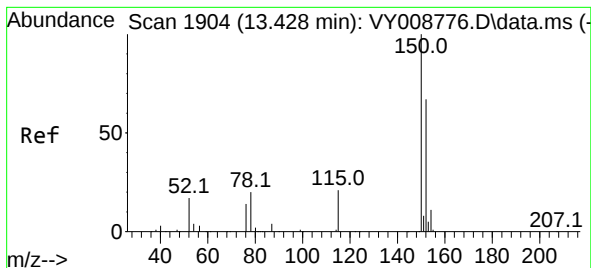
Ion Ratio Lower Upper

117 100

82 54.6 43.0 64.4

119 32.1 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: VY008847.D

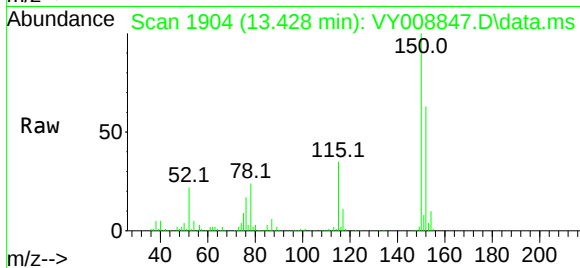
Acq: 19 May 2022 04:55

Instrument :

MSVOA_Y

ClientSampleId :

P032-SS001-2430-01



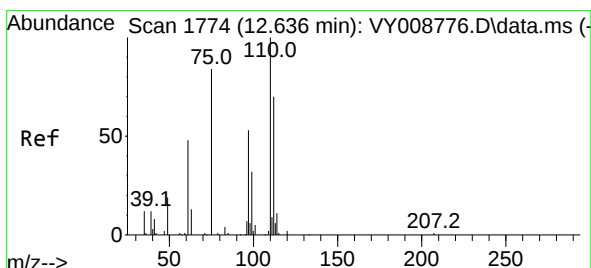
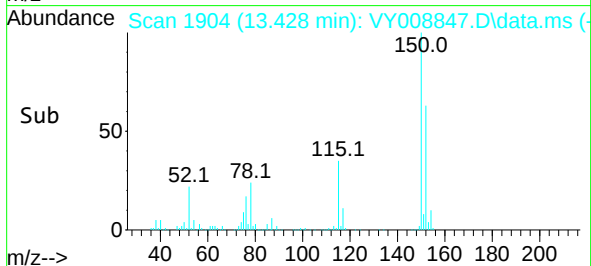
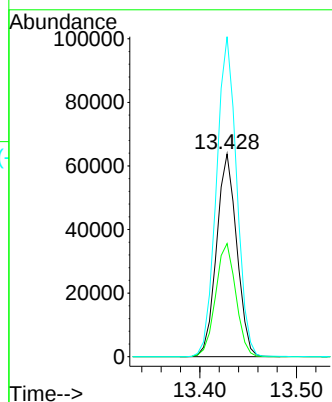
Tgt Ion:152 Resp: 92427

Ion Ratio Lower Upper

152 100

115 56.0 28.2 84.7

150 158.2 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 43.437 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY008847.D

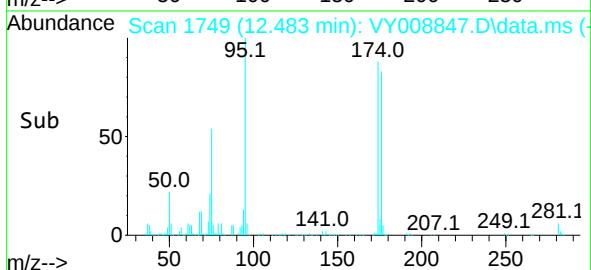
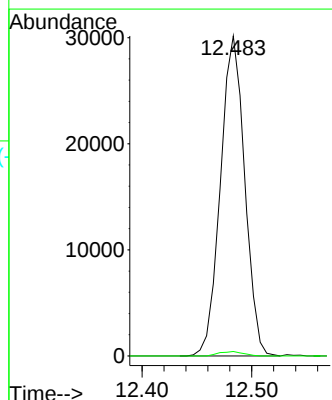
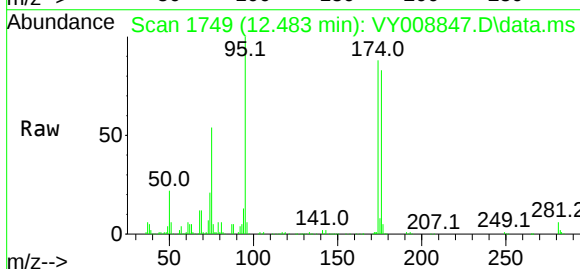
Acq: 19 May 2022 04:55

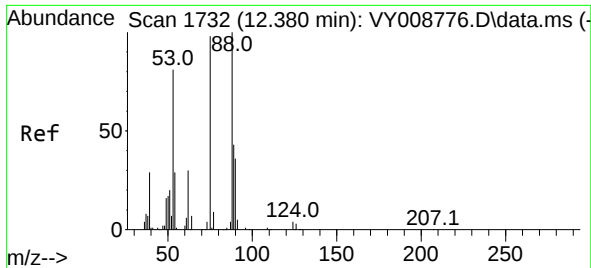
Tgt Ion: 75 Resp: 46376

Ion Ratio Lower Upper

75 100

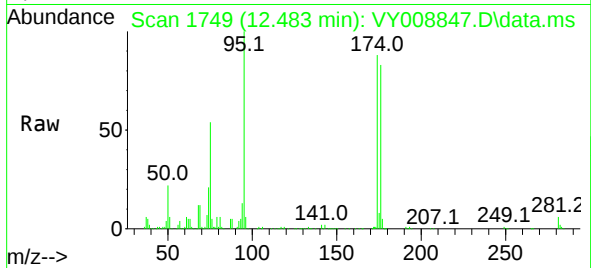
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.009 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY008847.D
 Acq: 19 May 2022 04:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 P032-SS001-2430-01



Tgt Ion: 75 Resp: 46376
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.1 37.0 55.4#

