

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051822\
 Data File : VY008816.D
 Acq On : 18 May 2022 16:06
 Operator : KP/MD
 Sample : N2841-09
 Misc : 6.50g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P005-SS003-2430-01

Quant Time: May 19 03:11:14 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)

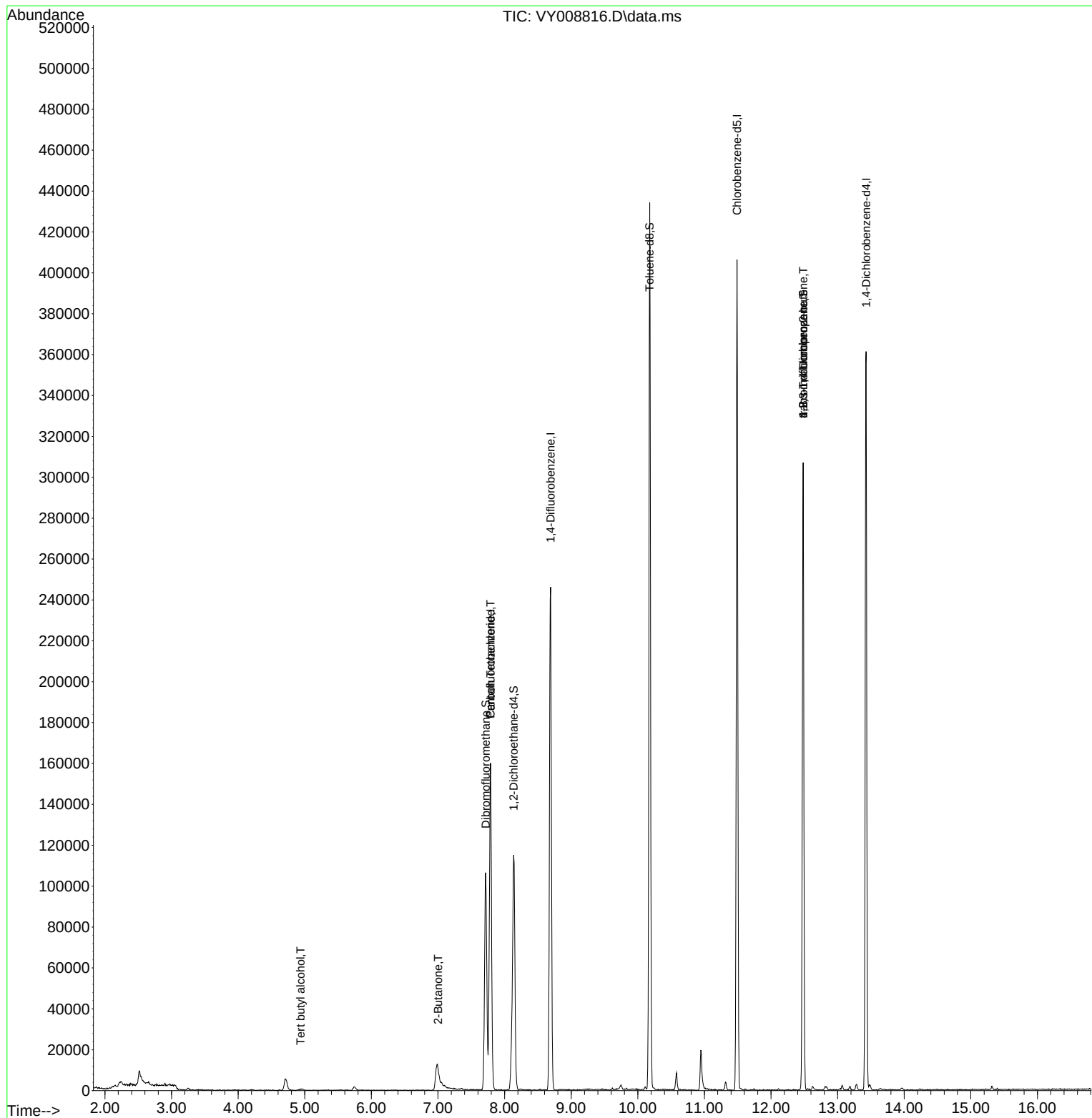
Internal Standards						
1) Pentafluorobenzene	7.789	168	119558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	215824	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	207104	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	90920	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	79667	71.827	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 143.660%	
35) Dibromofluoromethane	7.715	113	71685	56.847	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.700%	
50) Toluene-d8	10.178	98	272698	48.737	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.480%	
62) 4-Bromofluorobenzene	12.483	95	79633	40.521	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 81.040%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	170	Below Cal	#	43
3) Chloromethane	2.107	50	160	Below Cal	#	46
4) Vinyl Chloride	2.247	62	200	Below Cal	#	43
5) Bromomethane	2.662	94	260	Below Cal	#	55
6) Chloroethane	2.771	64	26	Below Cal	#	43
7) Trichlorofluoromethane	3.125	101	79	Below Cal	#	21
11) Tert butyl alcohol	4.936	59	656	5.351 ug/l	#	77
16) Acetone	3.942	43	302	Below Cal	#	47
18) Methyl Acetate	4.460	43	25	Below Cal	#	56
20) Methylene Chloride	4.710	84	4107	Below Cal	#	81
25) 2-Butanone	7.002	43	1029	2.211 ug/l	#	54
31) Cyclohexane	7.783	56	3151	Below Cal	#	50
38) Carbon Tetrachloride	7.789	117	12033	5.559 ug/l	#	14
76) 1,2,3-Trichloropropane	12.483	75	46900	44.656 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	46900	97.675 ug/l	#	7

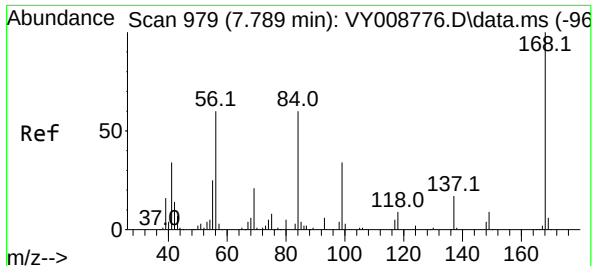
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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P005-SS003-2430-01

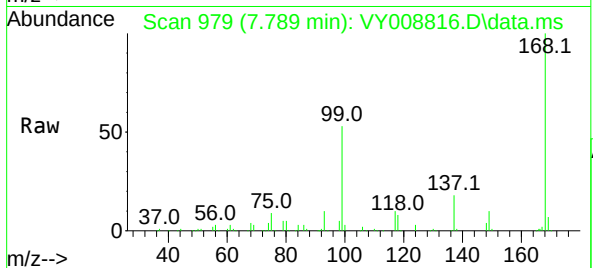
Quant Time: May 19 03:11:14 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
Quant Title : SW846 8260
QLast Update : Wed May 18 07:32:50 2022
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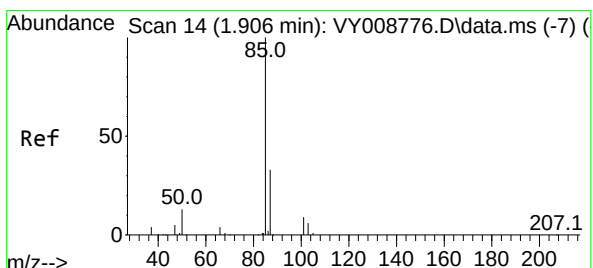
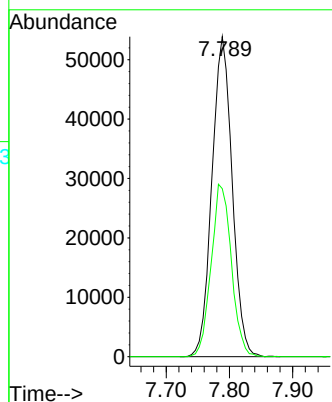
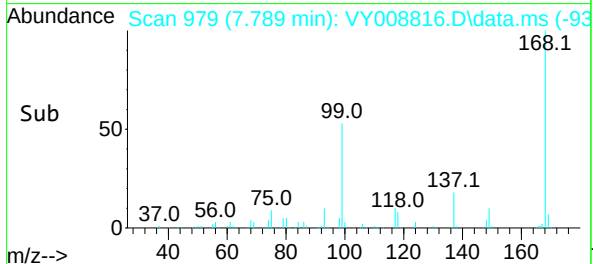


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008816.D
Acq: 18 May 2022 16:06

Instrument :
MSVOA_Y
ClientSampleId :
P005-SS003-2430-01

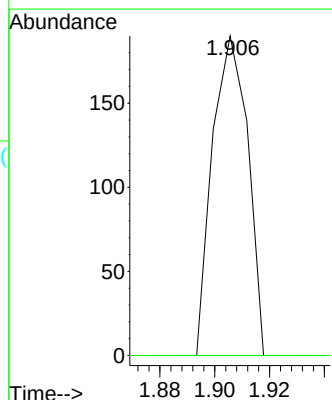
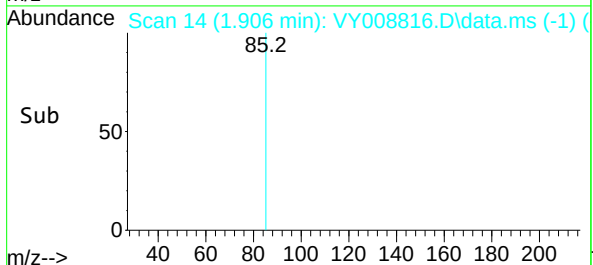
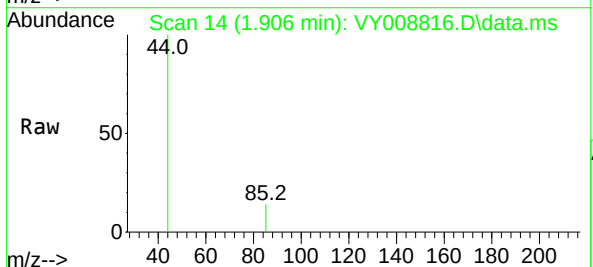


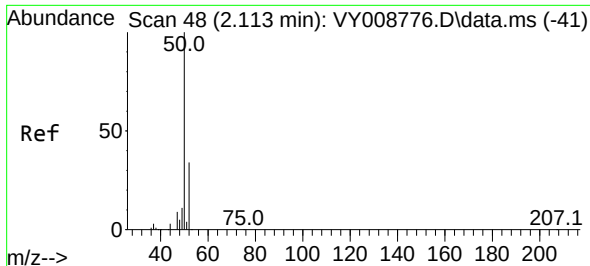
Tgt Ion:168 Resp: 119558
Ion Ratio Lower Upper
168 100
99 52.5 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY008816.D
Acq: 18 May 2022 16:06

Tgt Ion: 85 Resp: 170
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

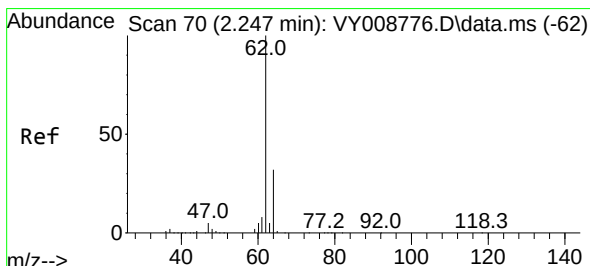
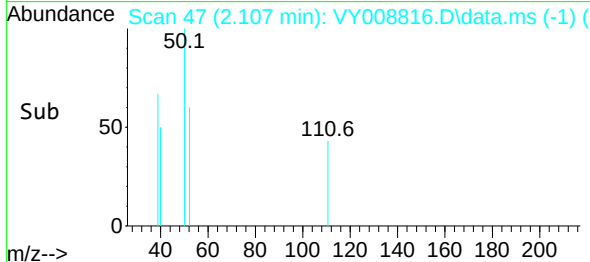
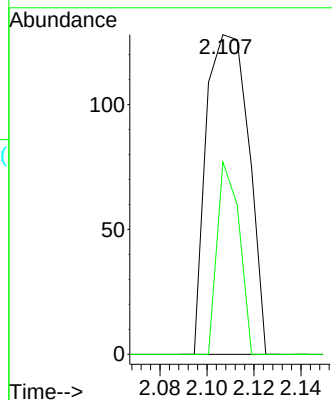
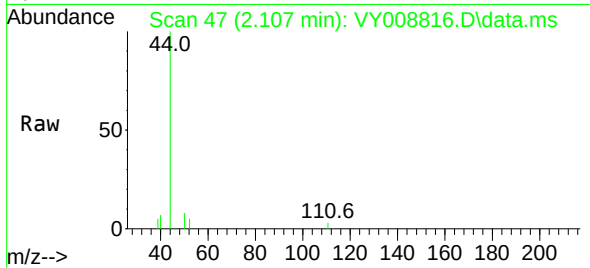




#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY008816.D
Acq: 18 May 2022 16:06

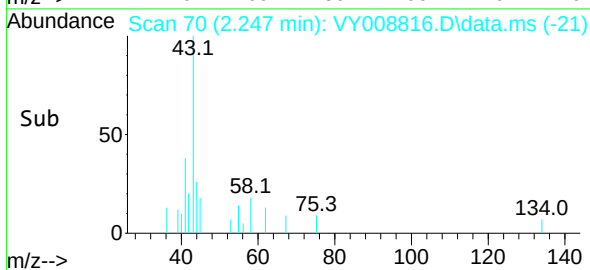
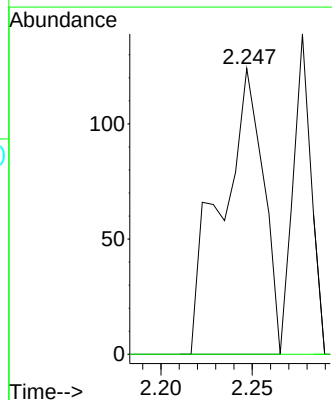
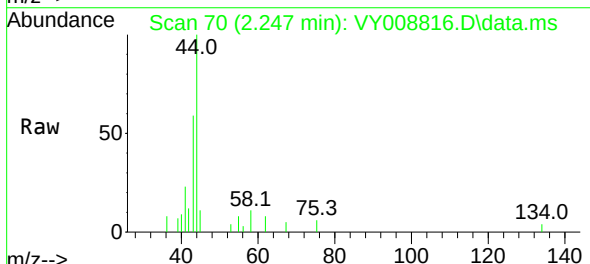
Instrument :
MSVOA_Y
ClientSampleId :
P005-SS003-2430-01

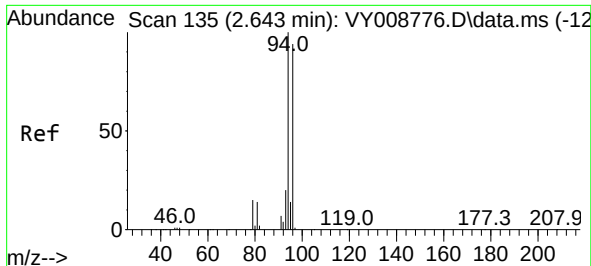
Tgt Ion: 50 Resp: 160
Ion Ratio Lower Upper
50 100
52 60.2 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.247 min Scan# 70
Delta R.T. -0.000 min
Lab File: VY008816.D
Acq: 18 May 2022 16:06

Tgt Ion: 62 Resp: 200
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

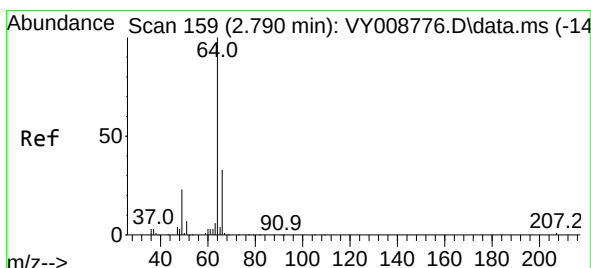
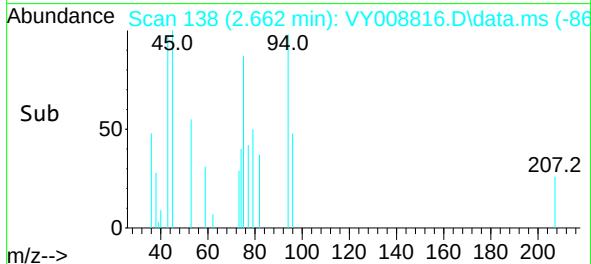
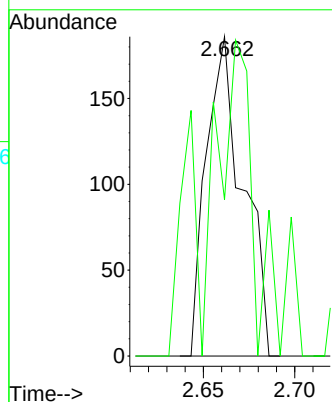
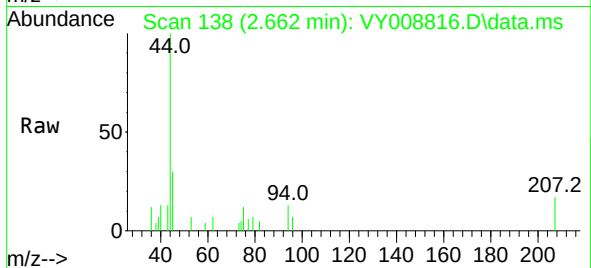




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.019 min
Lab File: VY008816.D
Acq: 18 May 2022 16:06

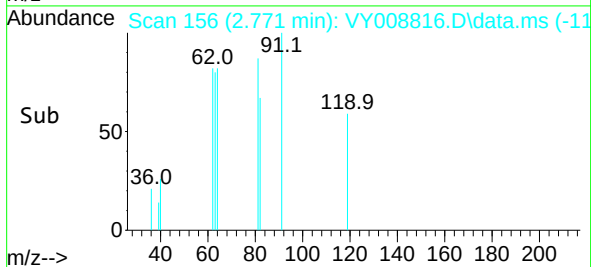
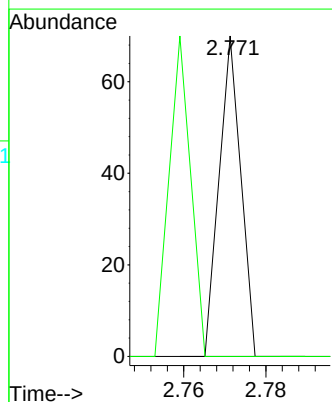
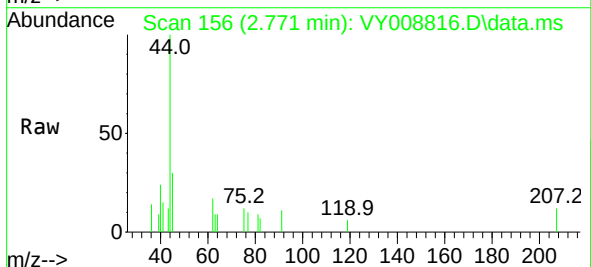
Instrument :
MSVOA_Y
ClientSampleId :
P005-SS003-2430-01

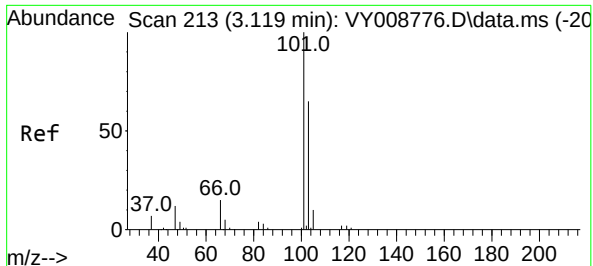
Tgt Ion: 94 Resp: 260
Ion Ratio Lower Upper
94 100
96 48.9 73.5 110.3#



#6
Chloroethane
Concen: Below Cal
RT: 2.771 min Scan# 156
Delta R.T. -0.019 min
Lab File: VY008816.D
Acq: 18 May 2022 16:06

Tgt Ion: 64 Resp: 26
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

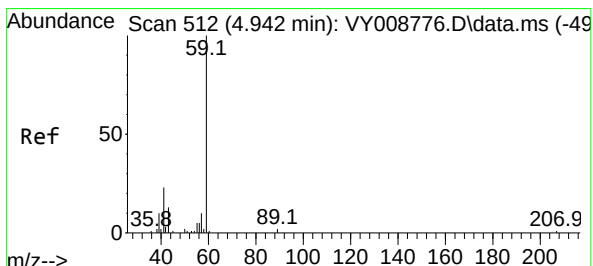
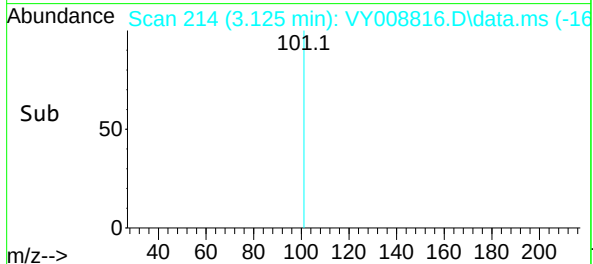
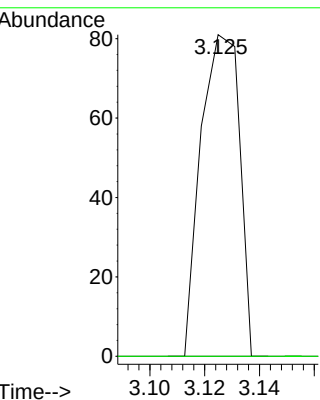
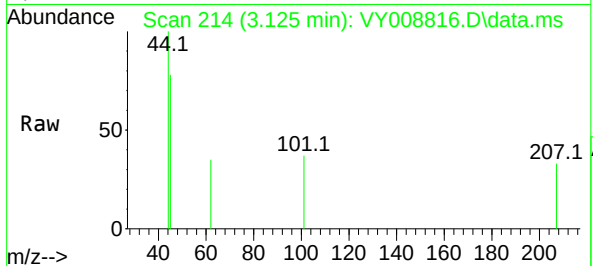




#7
 Trichlorofluoromethane
 Concen: Below Cal
 RT: 3.125 min Scan# 213
 Delta R.T. 0.006 min
 Lab File: VY008816.D
 Acq: 18 May 2022 16:06

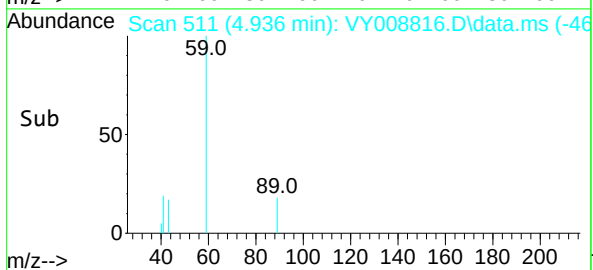
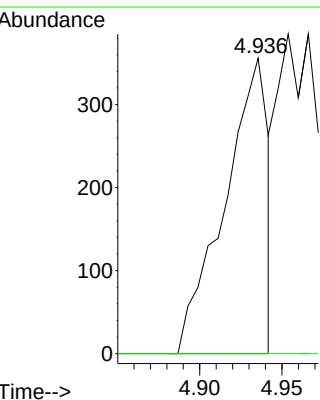
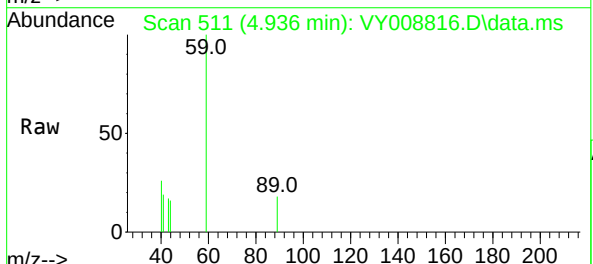
Instrument :
 MSVOA_Y
 ClientSampleId :
 P005-SS003-2430-01

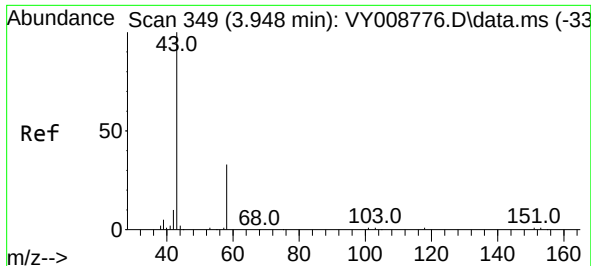
Tgt Ion:101 Resp: 79
 Ion Ratio Lower Upper
 101 100
 103 0.0 48.0 72.0#



#11
 Tert butyl alcohol
 Concen: 5.351 ug/l
 RT: 4.936 min Scan# 511
 Delta R.T. -0.006 min
 Lab File: VY008816.D
 Acq: 18 May 2022 16:06

Tgt Ion: 59 Resp: 656
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.4 9.6#

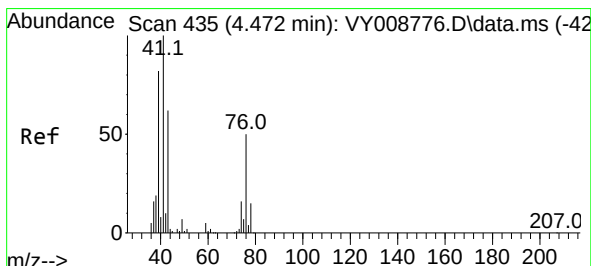
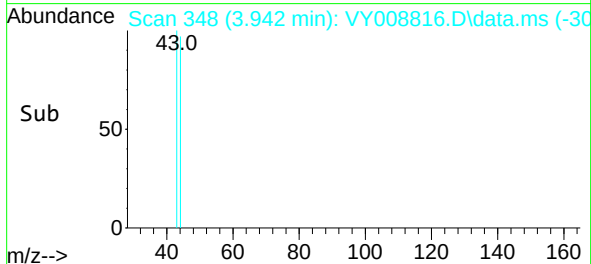
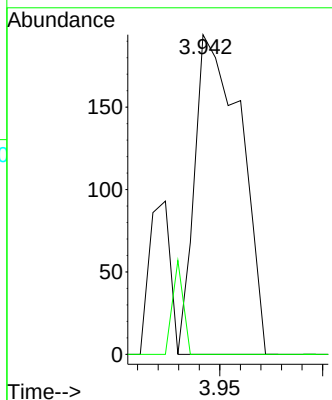
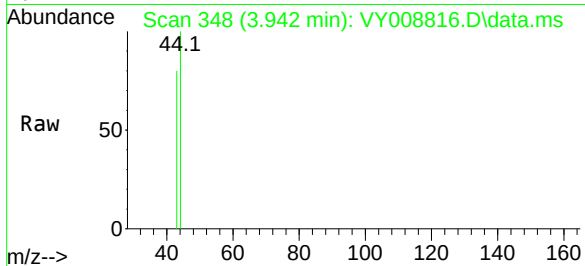




#16
Acetone
Concen: Below Cal
RT: 3.942 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY008816.D
Acq: 18 May 2022 16:06

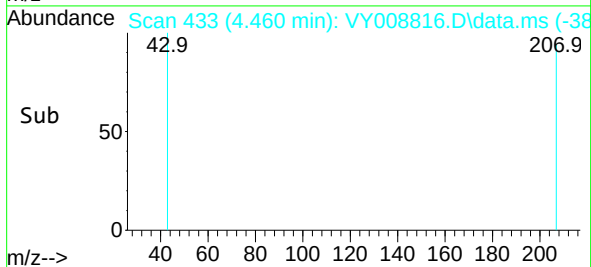
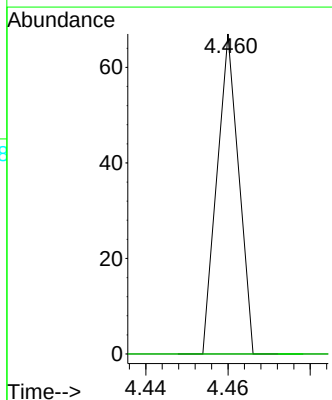
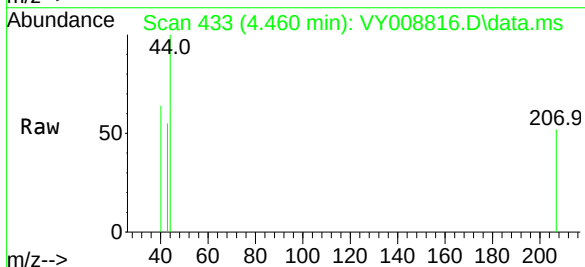
Instrument :
MSVOA_Y
ClientSampleId :
P005-SS003-2430-01

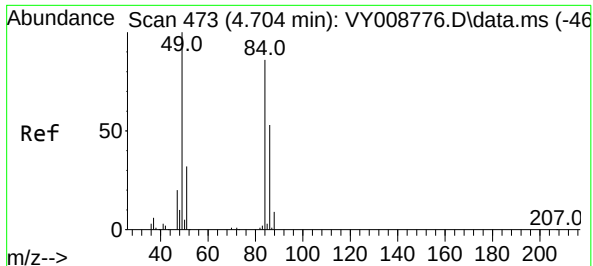
Tgt Ion: 43 Resp: 302
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.460 min Scan# 433
Delta R.T. -0.012 min
Lab File: VY008816.D
Acq: 18 May 2022 16:06

Tgt Ion: 43 Resp: 25
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: VY008816.D

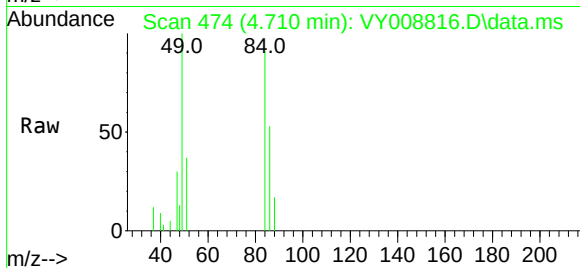
Acq: 18 May 2022 16:06

Instrument :

MSVOA_Y

ClientSampleId :

P005-SS003-2430-01



Tgt Ion: 84 Resp: 4107

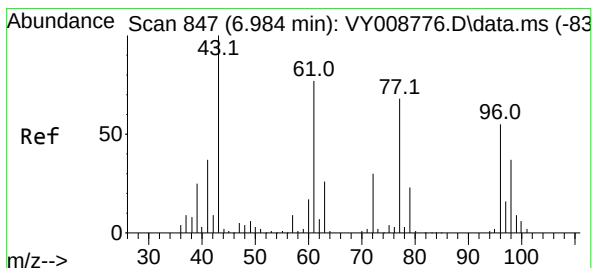
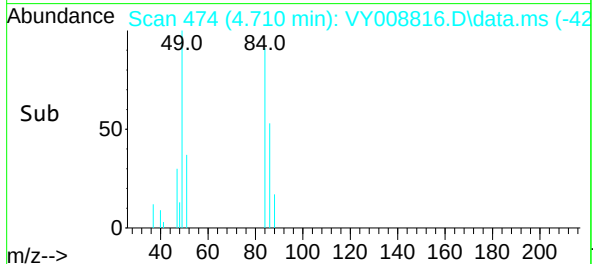
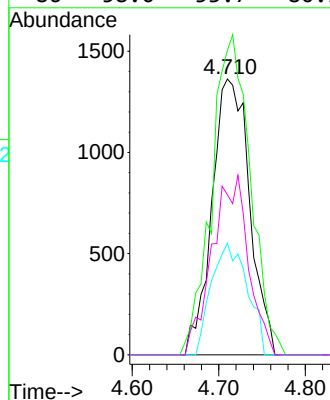
Ion Ratio Lower Upper

84 100

49 110.3 114.4 171.6#

51 40.4 35.3 52.9

86 58.0 53.7 80.5



#25

2-Butanone

Concen: 2.211 ug/l

RT: 7.002 min Scan# 850

Delta R.T. 0.018 min

Lab File: VY008816.D

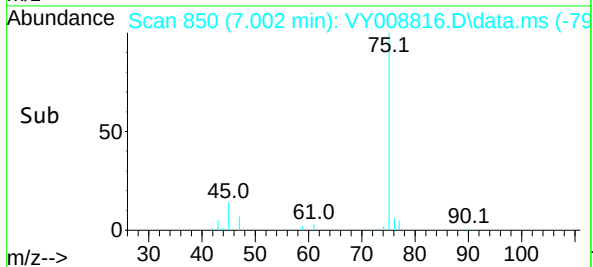
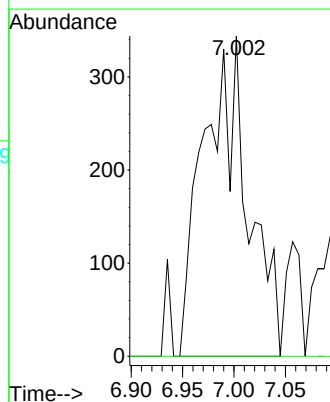
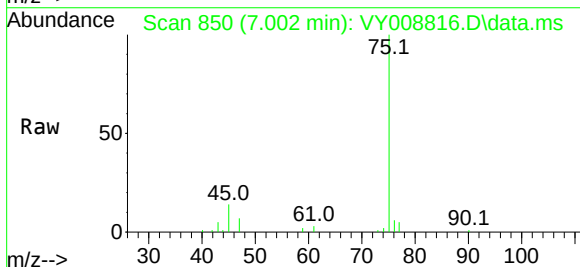
Acq: 18 May 2022 16:06

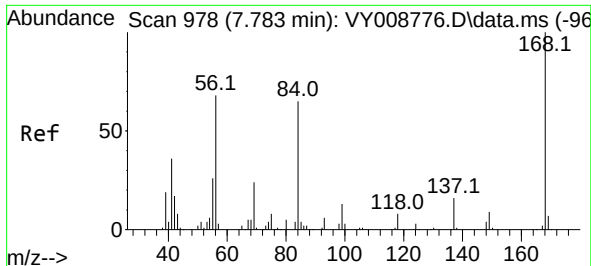
Tgt Ion: 43 Resp: 1029

Ion Ratio Lower Upper

43 100

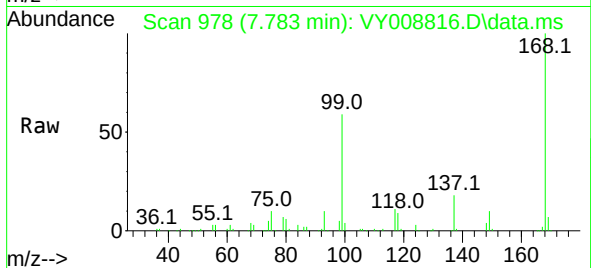
72 0.0 17.7 26.5#



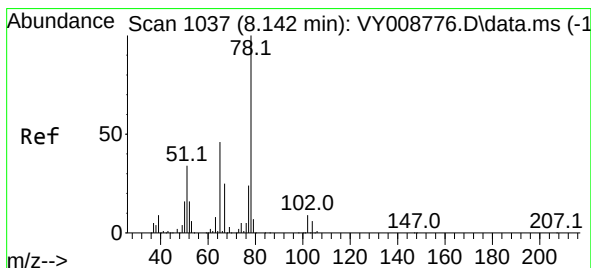
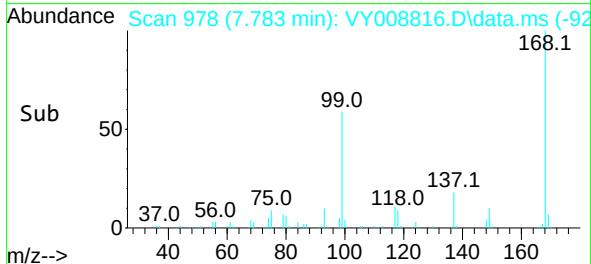
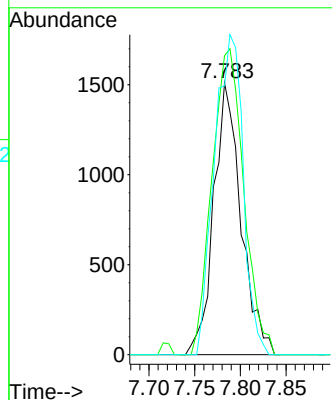


#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008816.D
Acq: 18 May 2022 16:06

Instrument :
MSVOA_Y
ClientSampleId :
P005-SS003-2430-01

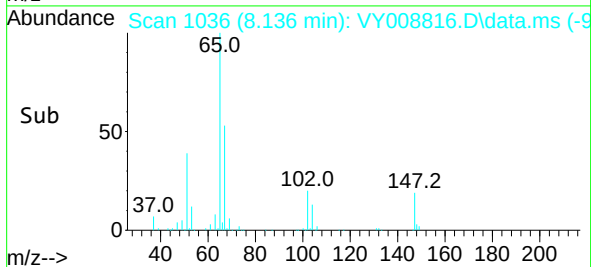
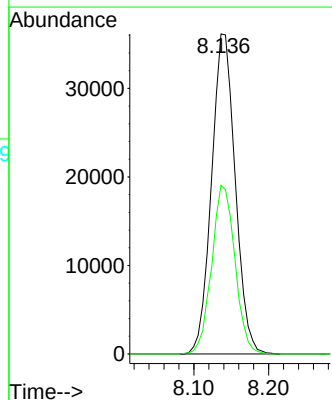
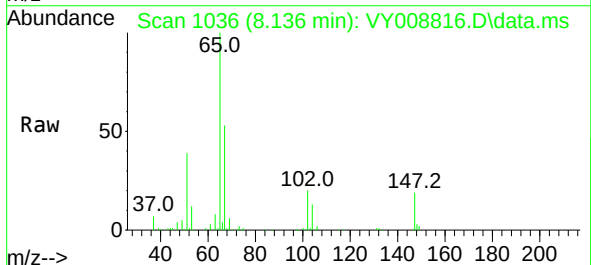


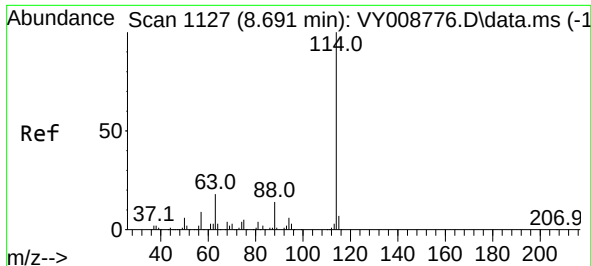
Tgt Ion: 56 Resp: 3151
Ion Ratio Lower Upper
56 100
69 110.0 26.7 40.1#
84 98.9 67.2 100.8



#33
1,2-Dichloroethane-d4
Concen: 71.827 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY008816.D
Acq: 18 May 2022 16:06

Tgt Ion: 65 Resp: 79667
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: VY008816.D

Acq: 18 May 2022 16:06

Instrument :

MSVOA_Y

ClientSampleId :

P005-SS003-2430-01

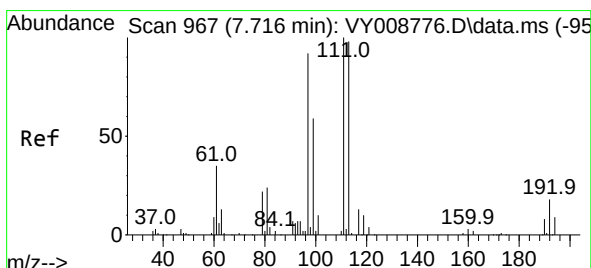
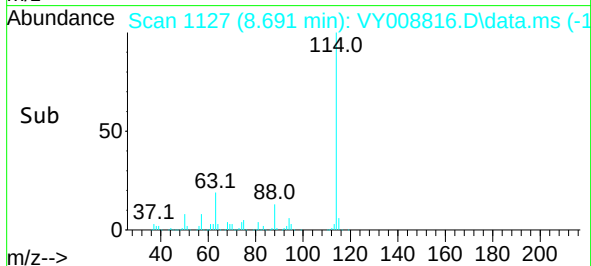
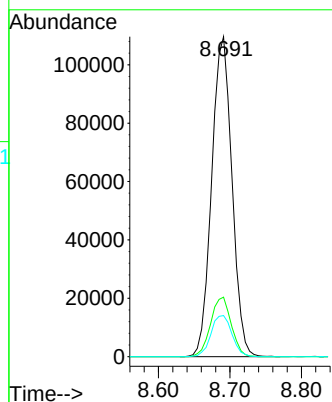
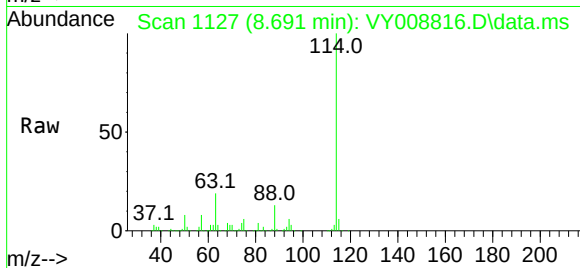
Tgt Ion:114 Resp: 215824

Ion Ratio Lower Upper

114 100

63 18.6 0.0 43.2

88 12.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 56.847 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY008816.D

Acq: 18 May 2022 16:06

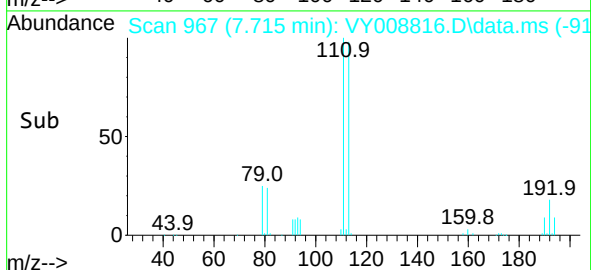
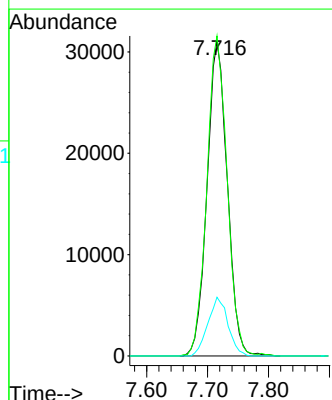
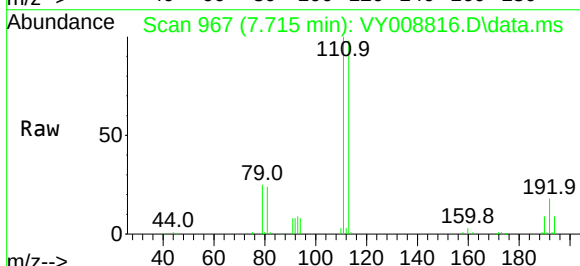
Tgt Ion:113 Resp: 71685

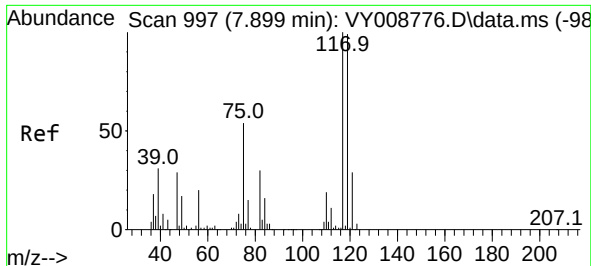
Ion Ratio Lower Upper

113 100

111 101.6 82.6 124.0

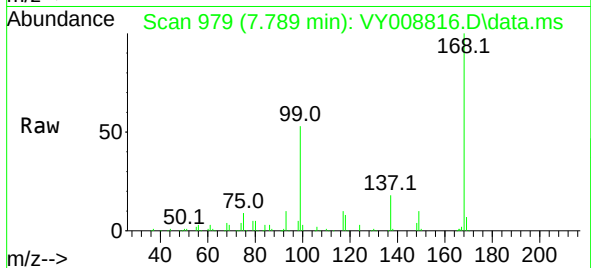
192 18.5 17.6 26.4



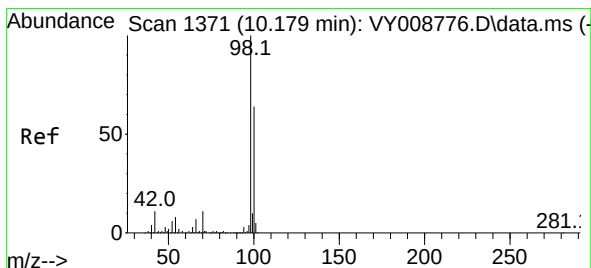
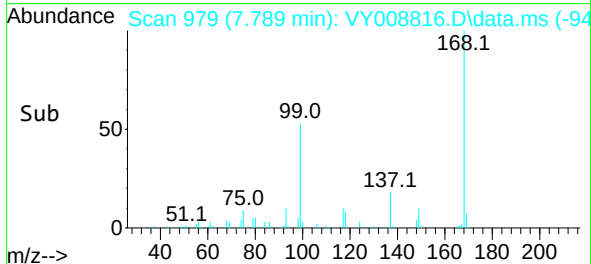
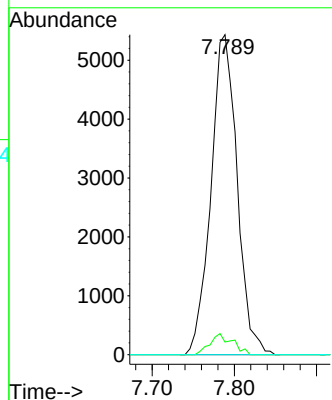


#38
Carbon Tetrachloride
Concen: 5.559 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY008816.D
Acq: 18 May 2022 16:06

Instrument :
MSVOA_Y
ClientSampleId :
P005-SS003-2430-01

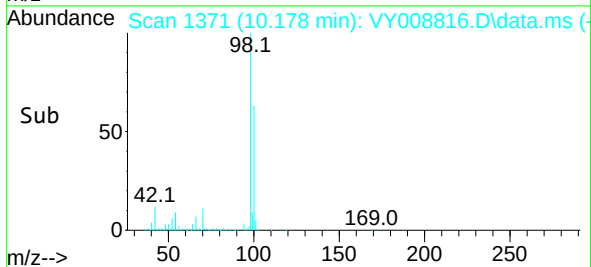
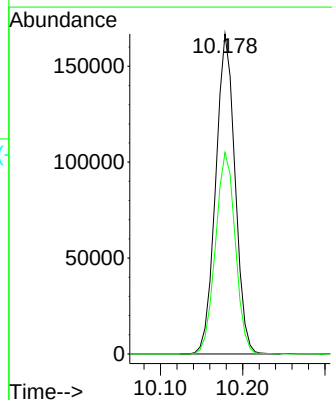
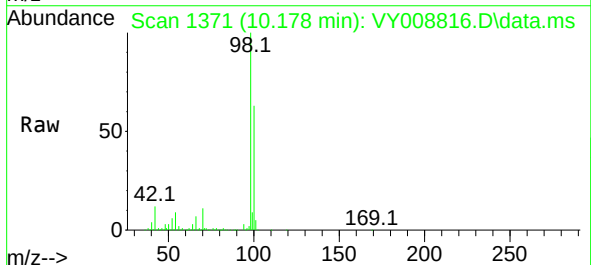


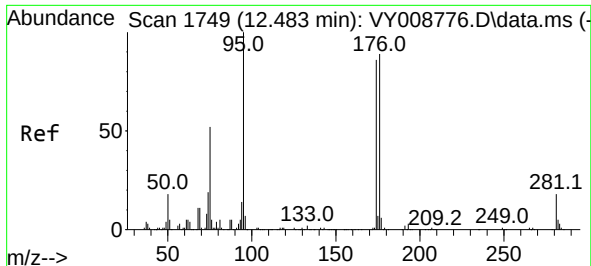
Tgt Ion:117 Resp: 12033
Ion Ratio Lower Upper
117 100
119 4.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.737 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY008816.D
Acq: 18 May 2022 16:06

Tgt Ion: 98 Resp: 272698
Ion Ratio Lower Upper
98 100
100 64.4 50.2 75.2

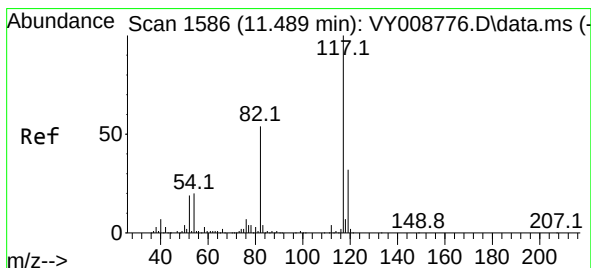
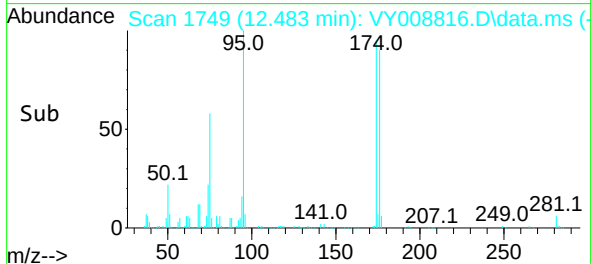
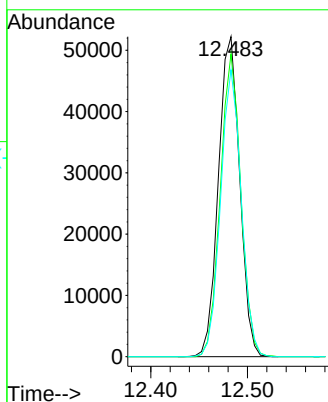
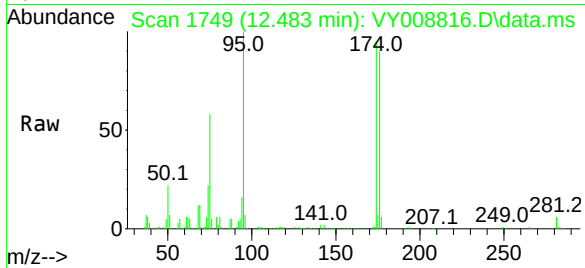




#62
4-Bromofluorobenzene
Concen: 40.521 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY008816.D
Acq: 18 May 2022 16:06

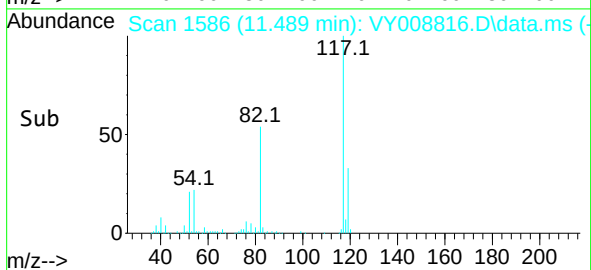
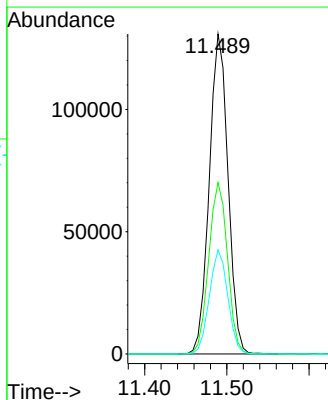
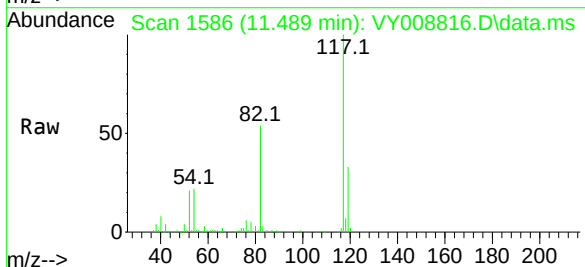
Instrument :
MSVOA_Y
ClientSampleId :
P005-SS003-2430-01

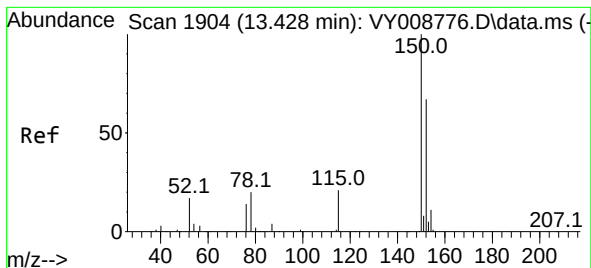
Tgt Ion: 95 Resp: 79633
Ion Ratio Lower Upper
95 100
174 91.2 0.0 177.0
176 87.3 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY008816.D
Acq: 18 May 2022 16:06

Tgt Ion: 117 Resp: 207104
Ion Ratio Lower Upper
117 100
82 53.6 43.0 64.4
119 32.6 25.4 38.0

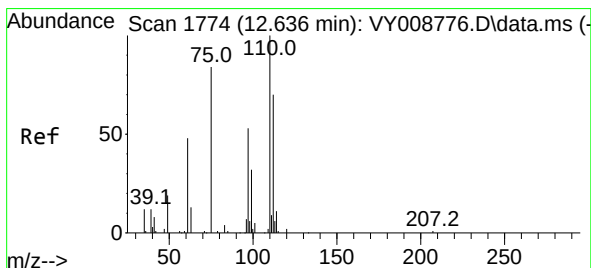
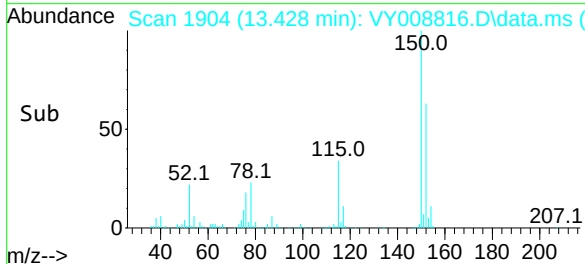
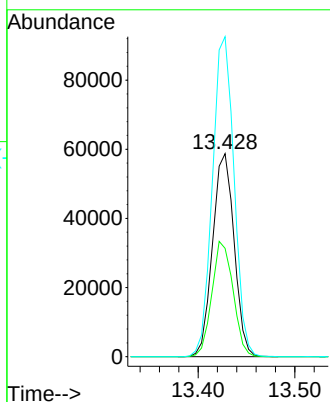
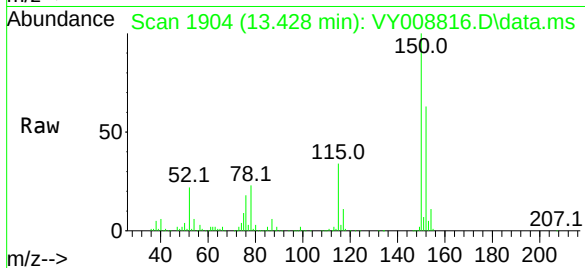




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1749
 Delta R.T. -0.000 min
 Lab File: VY008816.D
 Acq: 18 May 2022 16:06

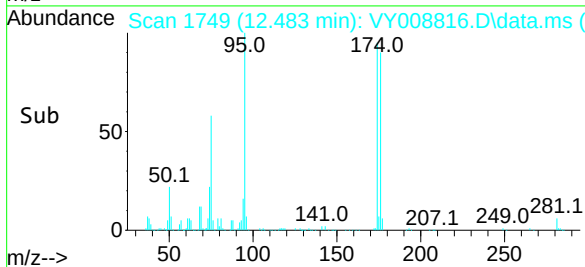
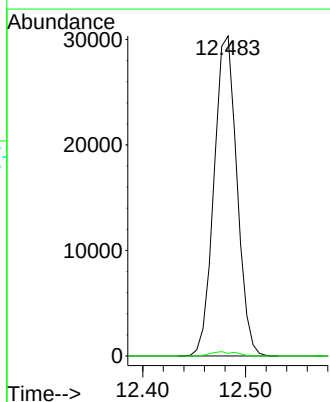
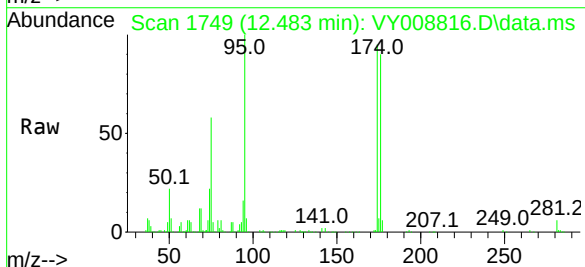
Instrument :
 MSVOA_Y
 ClientSampleId :
 P005-SS003-2430-01

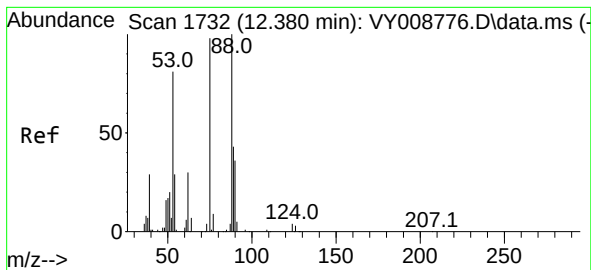
Tgt Ion:152 Resp: 90920
 Ion Ratio Lower Upper
 152 100
 115 55.8 28.2 84.7
 150 158.0 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 44.656 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY008816.D
 Acq: 18 May 2022 16:06

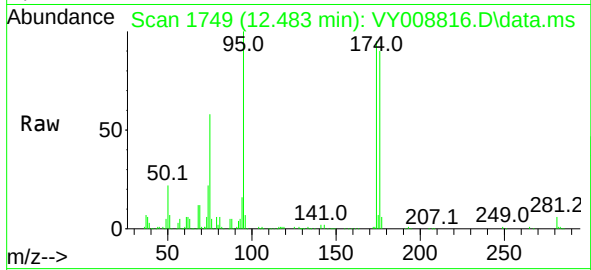
Tgt Ion: 75 Resp: 46900
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.675 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY008816.D
 Acq: 18 May 2022 16:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 P005-SS003-2430-01



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	85.3	127.9#
89	0.2	37.0	55.4#

