

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081122\
 Data File : VY009967.D
 Acq On : 11 Aug 2022 16:32
 Operator : KP/MD
 Sample : N4119-04
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP2-2FT

Quant Time: Aug 12 02:49:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081022S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 17:37:28 2022
 Response via : Initial Calibration

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

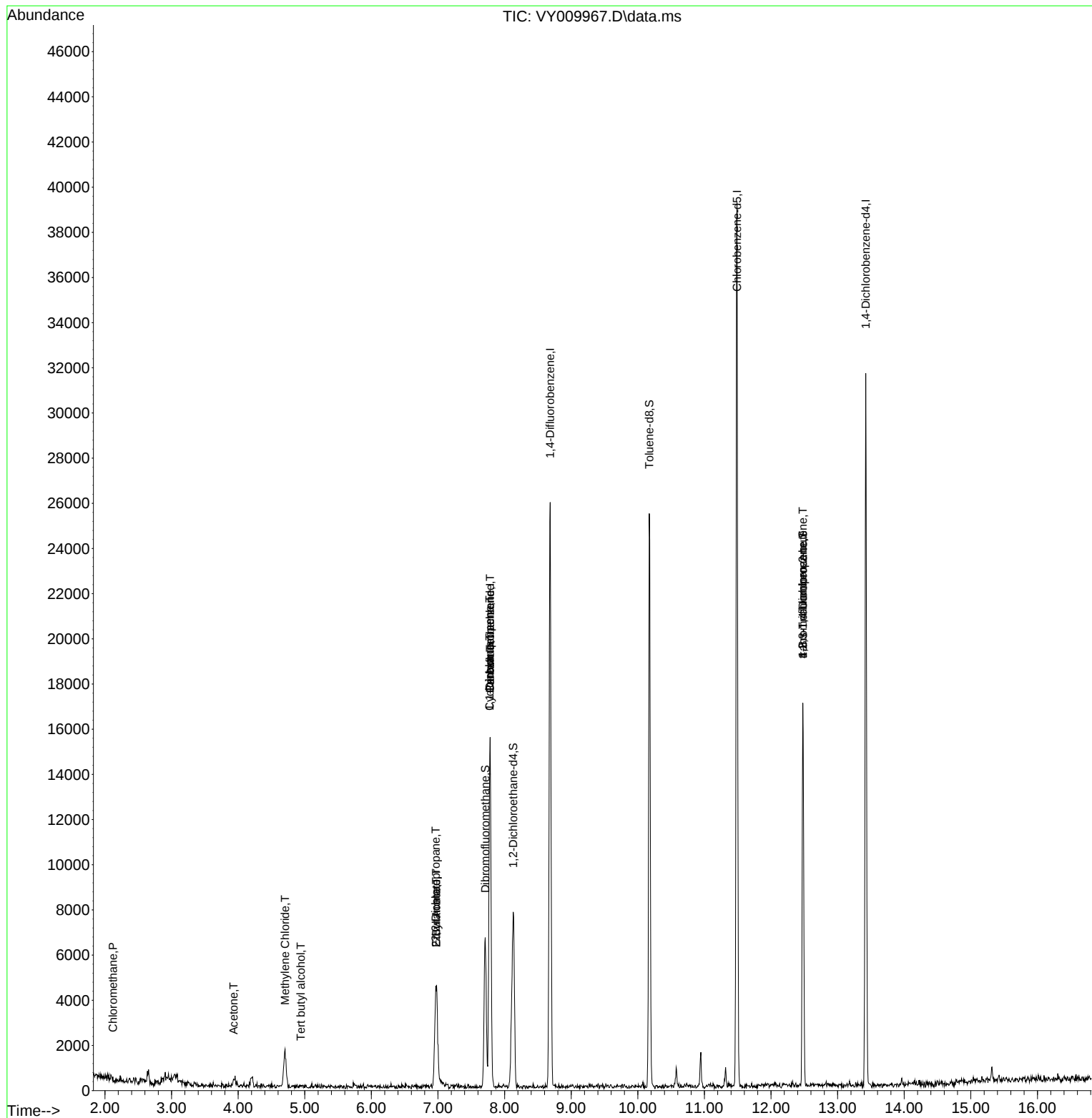
Internal Standards						
1) Pentafluorobenzene	7.783	168	11915	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	21542	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	21333	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	8145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	5068	55.288	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.580%
35) Dibromofluoromethane	7.710	113	4664	37.629	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	75.260%
50) Toluene-d8	10.173	98	16259	44.194	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	88.380%
62) 4-Bromofluorobenzene	12.477	95	4976	28.557	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	57.120%
Target Compounds						
						Qvalue
3) Chloromethane	2.119	50	110	1.042	ug/l #	40
5) Bromomethane	2.650	94	99	Below Cal		99
11) Tert butyl alcohol	4.942	59	67	5.757	ug/l #	78
16) Acetone	3.930	43	728	24.287	ug/l	90
18) Methyl Acetate	4.216	43	65	Below Cal	#	52
20) Methylene Chloride	4.704	84	1185	4.259	ug/l	93
25) 2-Butanone	6.972	43	201	3.919	ug/l #	48
26) 2,2-Dichloropropane	6.966	77	329	1.597	ug/l #	52
31) Cyclohexane	7.777	56	303	1.188	ug/l #	13
36) 1,1-Dichloropropene	7.777	75	1009	4.676	ug/l #	40
37) Ethyl Acetate	6.972	43	201	1.595	ug/l #	15
38) Carbon Tetrachloride	7.783	117	1346	6.513	ug/l #	12
76) 1,2,3-Trichloropropane	12.477	75	2560	29.441	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	2560	57.308	ug/l #	13

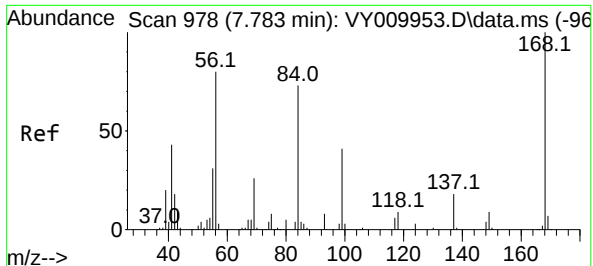
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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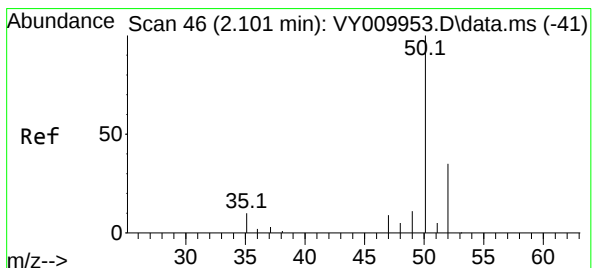
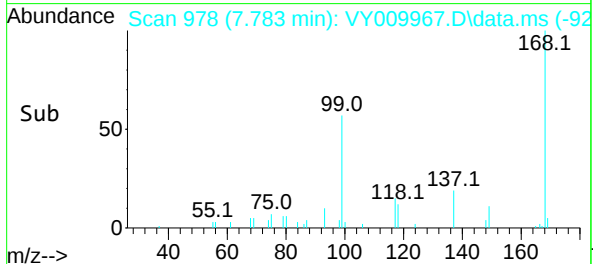
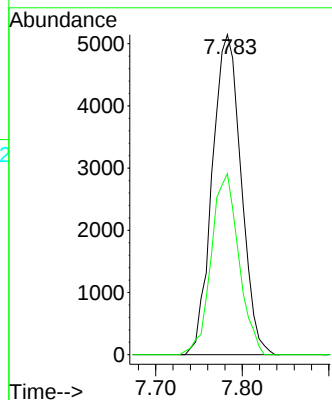
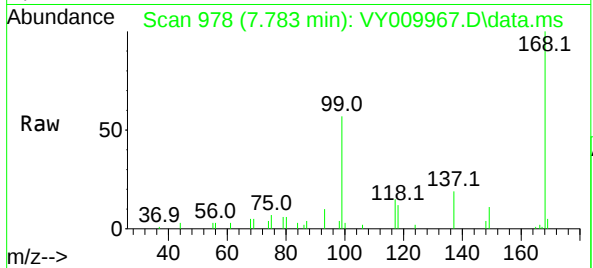




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009967.D
Acq: 11 Aug 2022 16:32

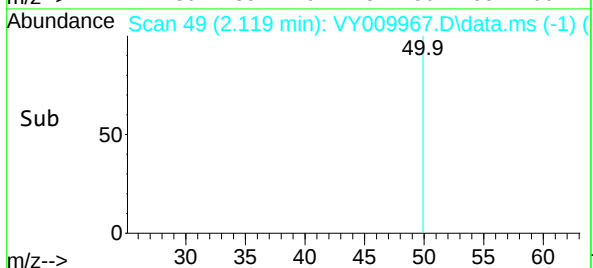
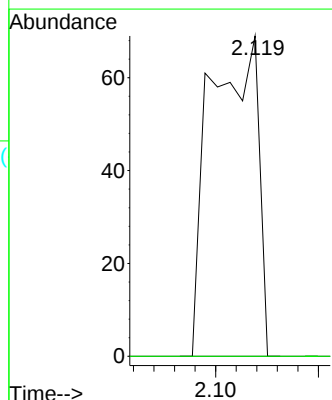
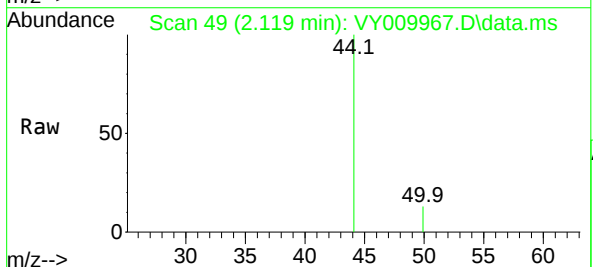
Instrument :
MSVOA_Y
ClientSampleId :
TP2-2FT

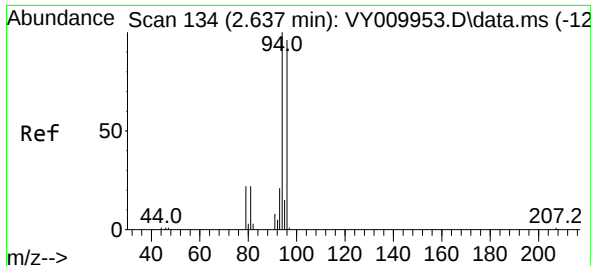
Tgt Ion:168 Resp: 11915
Ion Ratio Lower Upper
168 100
99 56.6 42.1 63.1



#3
Chloromethane
Concen: 1.042 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.018 min
Lab File: VY009967.D
Acq: 11 Aug 2022 16:32

Tgt Ion: 50 Resp: 110
Ion Ratio Lower Upper
50 100
52 0.0 27.9 41.9#

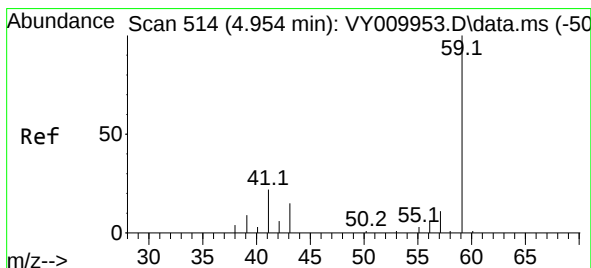
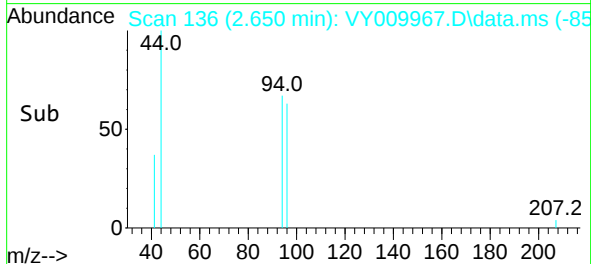
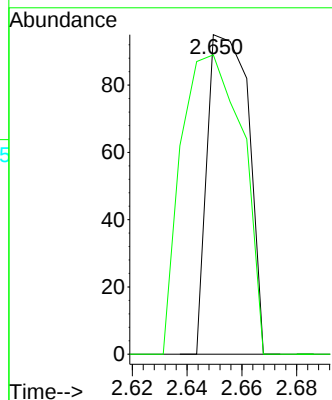
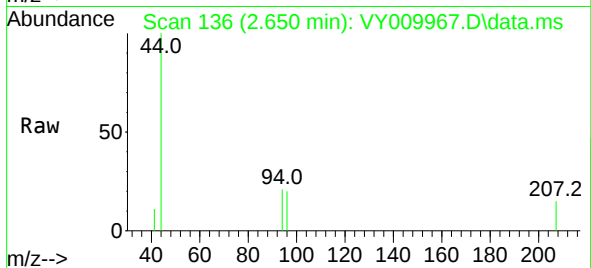




#5
Bromomethane
Concen: Below Cal
RT: 2.650 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY009967.D
Acq: 11 Aug 2022 16:32

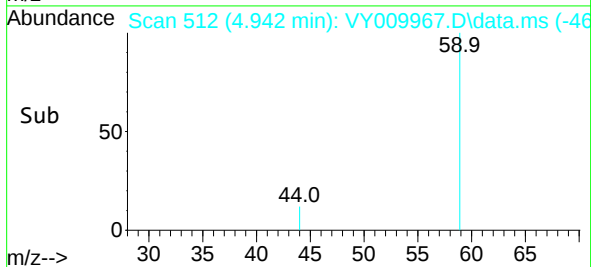
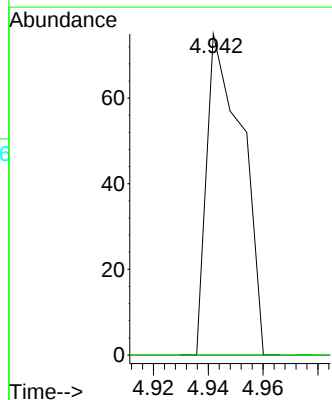
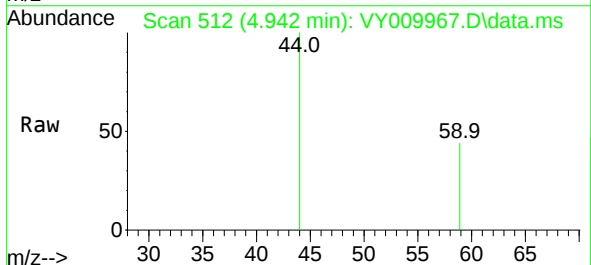
Instrument :
MSVOA_Y
ClientSampleId :
TP2-2FT

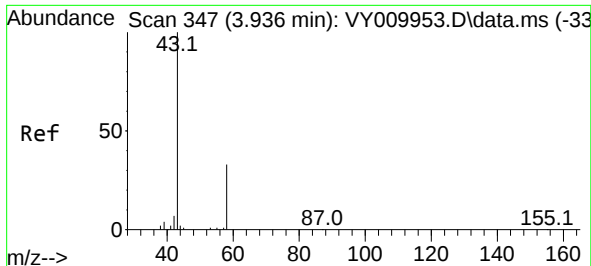
Tgt Ion: 94 Resp: 99
Ion Ratio Lower Upper
94 100
96 93.7 74.6 111.8



#11
Tert butyl alcohol
Concen: 5.757 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.012 min
Lab File: VY009967.D
Acq: 11 Aug 2022 16:32

Tgt Ion: 59 Resp: 67
Ion Ratio Lower Upper
59 100
57 0.0 6.3 9.5#

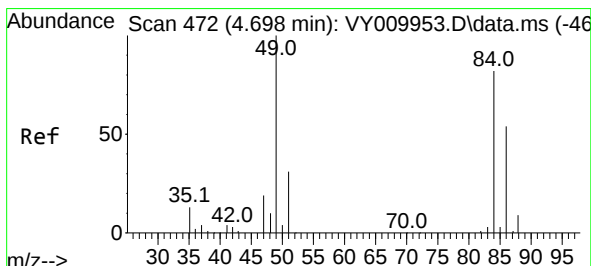
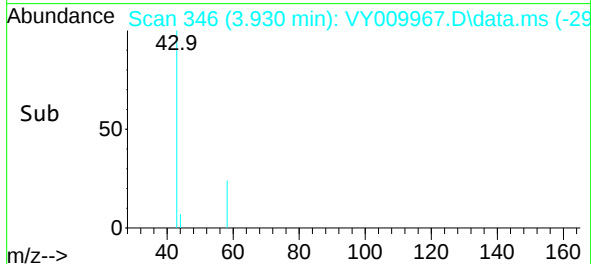
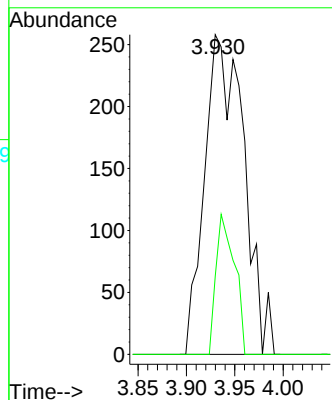
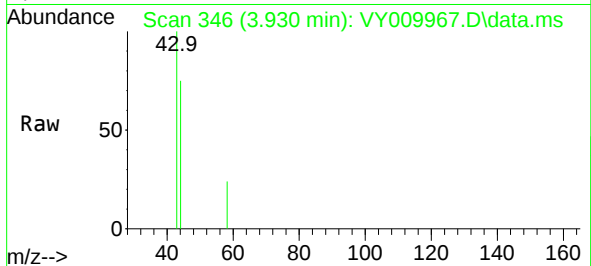




#16
Acetone
Concen: 24.287 ug/l
RT: 3.930 min Scan# 347
Delta R.T. -0.006 min
Lab File: VY009967.D
Acq: 11 Aug 2022 16:32

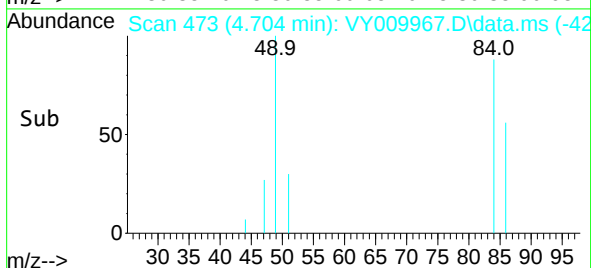
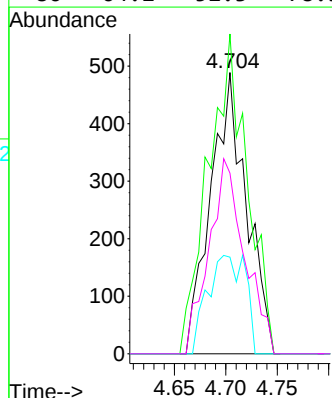
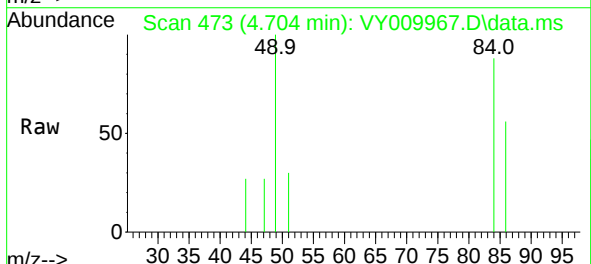
Instrument :
MSVOA_Y
ClientSampleId :
TP2-2FT

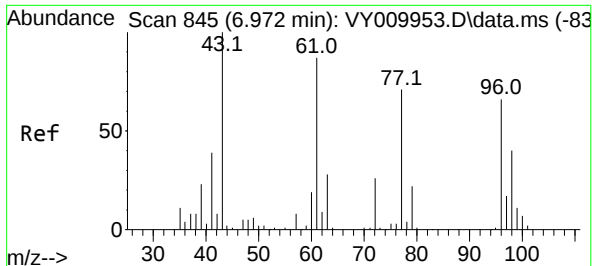
Tgt Ion: 43 Resp: 728
Ion Ratio Lower Upper
43 100
58 24.4 24.0 36.0



#20
Methylene Chloride
Concen: 4.259 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.006 min
Lab File: VY009967.D
Acq: 11 Aug 2022 16:32

Tgt Ion: 84 Resp: 1185
Ion Ratio Lower Upper
84 100
49 113.7 98.2 147.4
51 34.4 33.4 50.0
86 64.2 52.3 78.5





#25

2-Butanone

Concen: 3.919 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.000 min

Lab File: VY009967.D

Acq: 11 Aug 2022 16:32

Instrument :

MSVOA_Y

ClientSampleId :

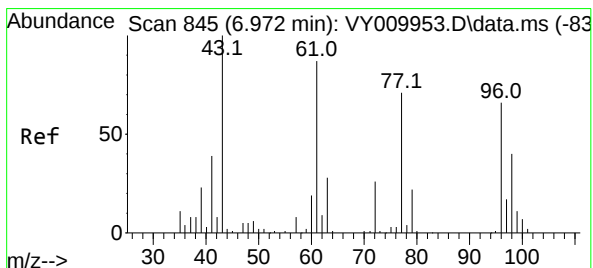
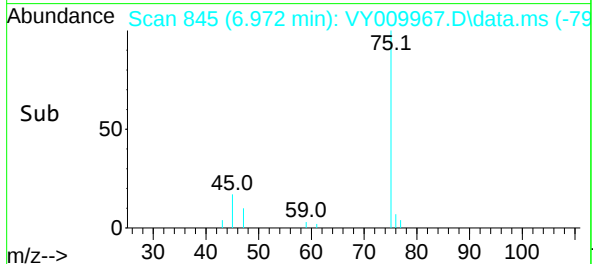
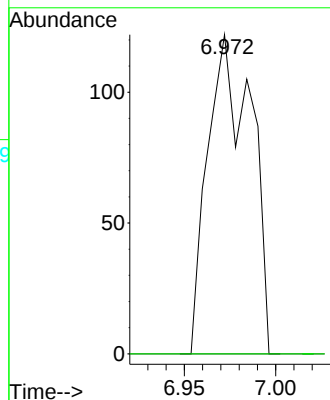
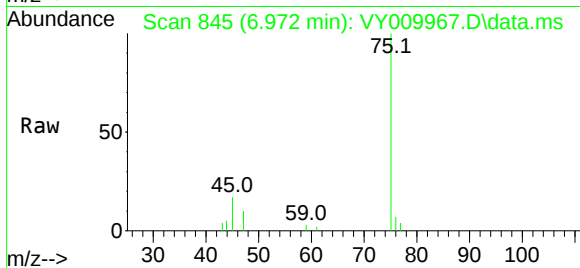
TP2-2FT

Tgt Ion: 43 Resp: 201

Ion Ratio Lower Upper

43 100

72 0.0 21.5 32.3#



#26

2,2-Dichloropropane

Concen: 1.597 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.006 min

Lab File: VY009967.D

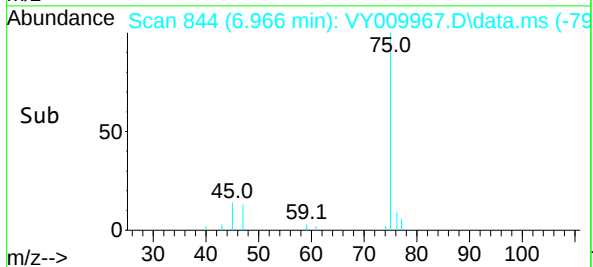
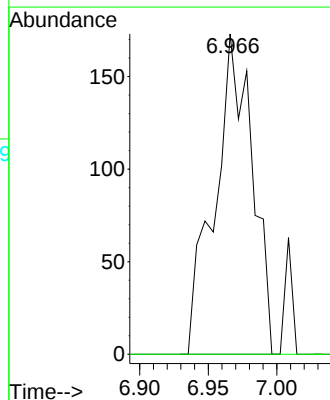
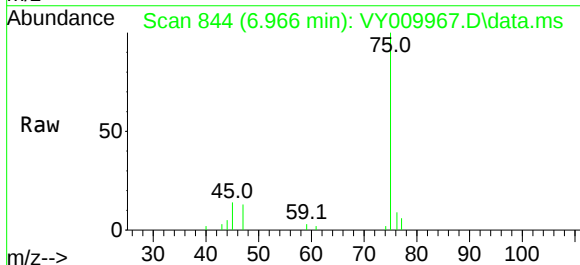
Acq: 11 Aug 2022 16:32

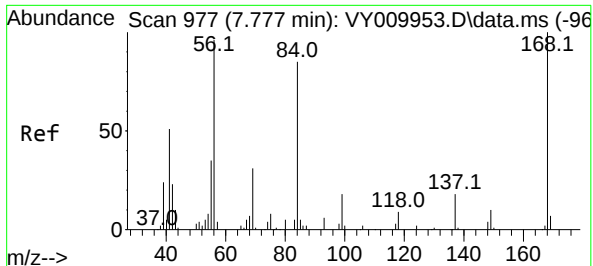
Tgt Ion: 77 Resp: 329

Ion Ratio Lower Upper

77 100

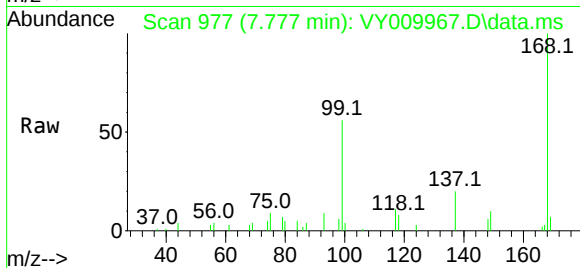
97 0.0 11.7 35.0#



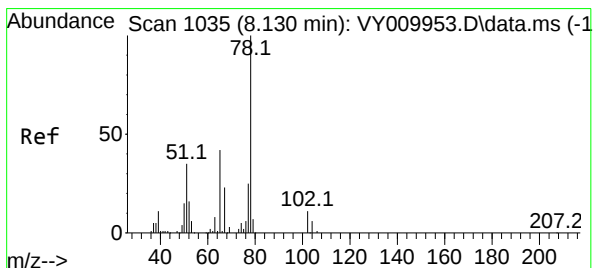
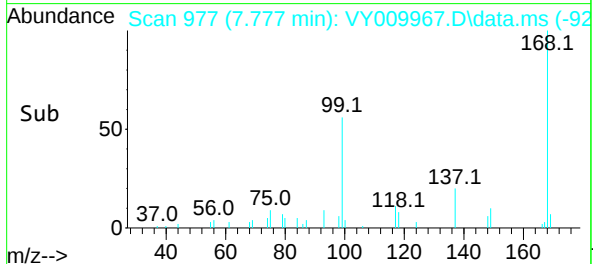
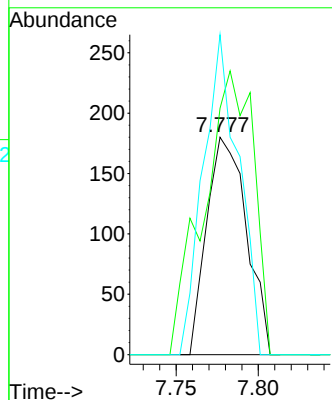


#31
Cyclohexane
Concen: 1.188 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009967.D
Acq: 11 Aug 2022 16:32

Instrument :
MSVOA_Y
ClientSampleId :
TP2-2FT

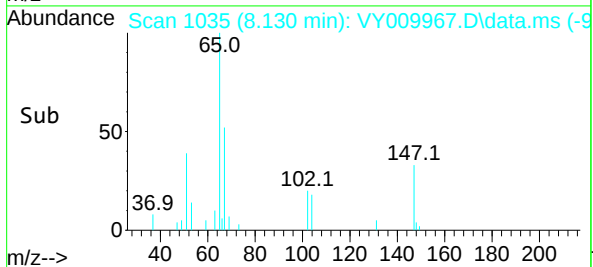
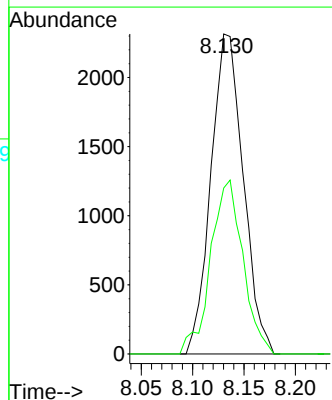
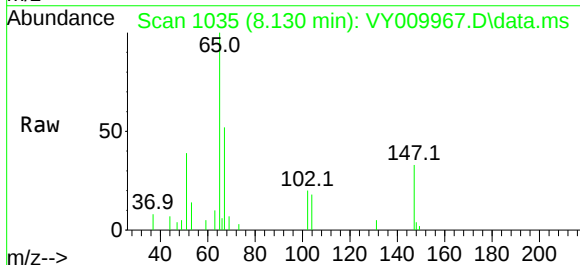


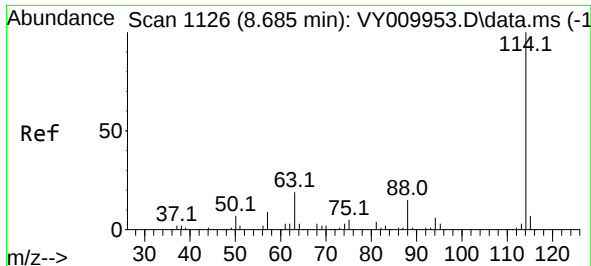
Tgt Ion: 56 Resp: 303
Ion Ratio Lower Upper
56 100
69 113.3 26.0 39.0#
84 147.2 69.5 104.3#



#33
1,2-Dichloroethane-d4
Concen: 55.288 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. 0.000 min
Lab File: VY009967.D
Acq: 11 Aug 2022 16:32

Tgt Ion: 65 Resp: 5068
Ion Ratio Lower Upper
65 100
67 54.2 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009967.D

Acq: 11 Aug 2022 16:32

Instrument :

MSVOA_Y

ClientSampleId :

TP2-2FT

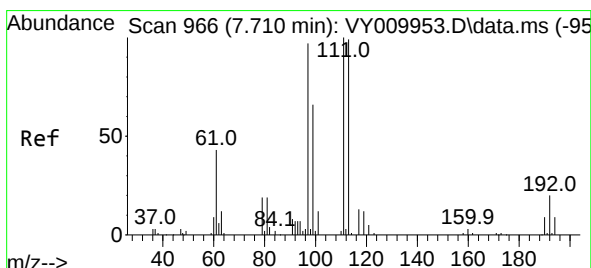
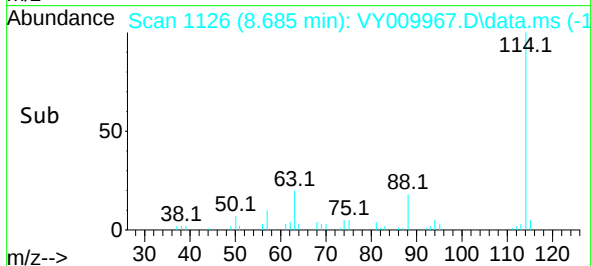
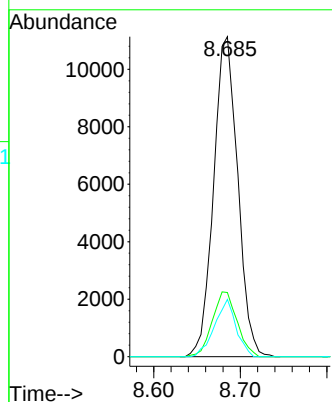
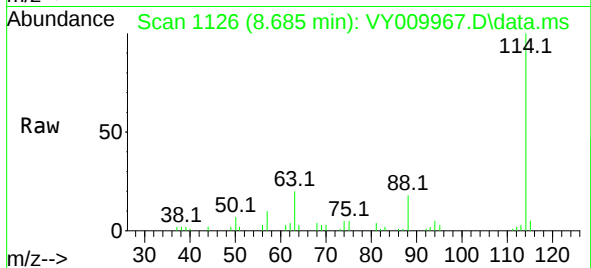
Tgt Ion:114 Resp: 21542

Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.0

88 17.9 0.0 30.0



#35

Dibromofluoromethane

Concen: 37.629 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009967.D

Acq: 11 Aug 2022 16:32

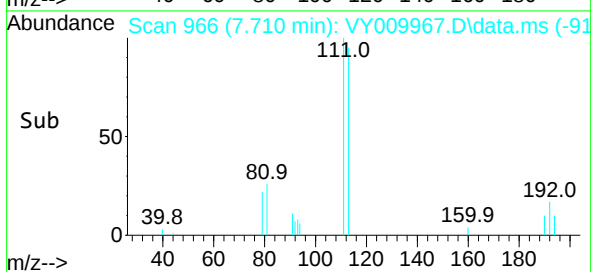
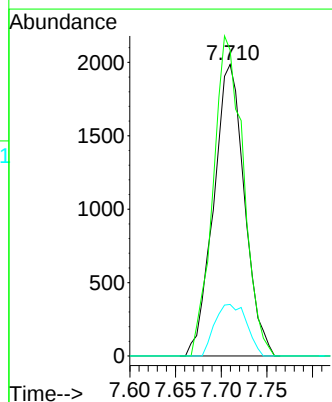
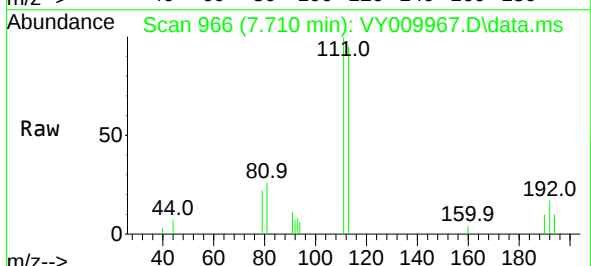
Tgt Ion:113 Resp: 4664

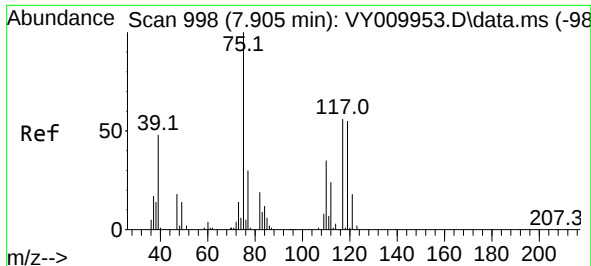
Ion Ratio Lower Upper

113 100

111 107.1 80.6 120.8

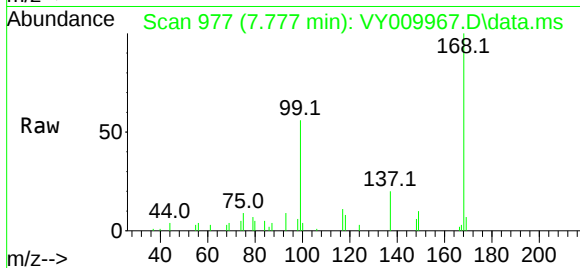
192 18.2 16.2 24.4



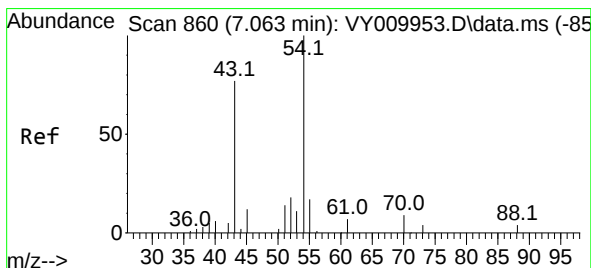
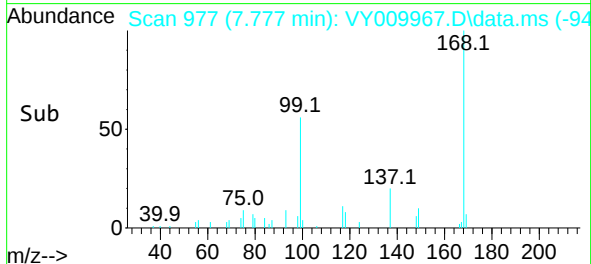
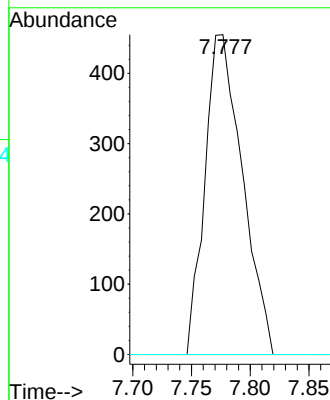


#36
1,1-Dichloropropene
Concen: 4.676 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY009967.D
Acq: 11 Aug 2022 16:32

Instrument :
MSVOA_Y
ClientSampleId :
TP2-2FT

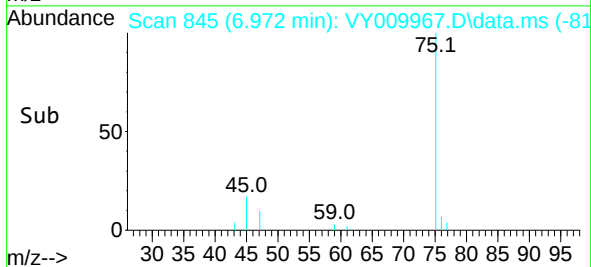
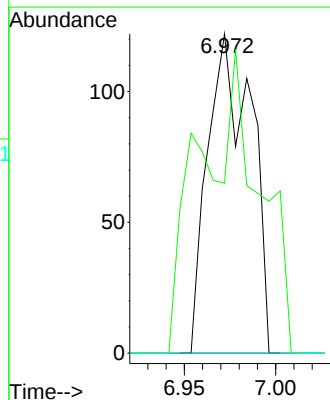
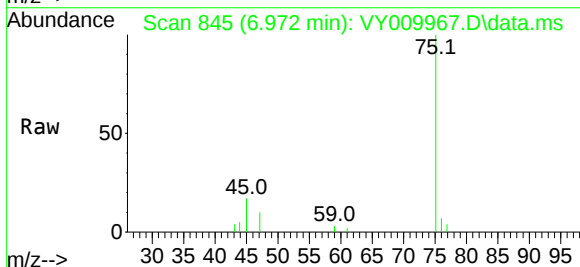


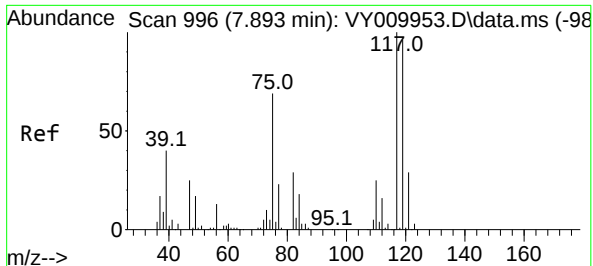
Tgt Ion: 75 Resp: 1009
Ion Ratio Lower Upper
75 100
110 0.0 18.6 56.0#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.595 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.091 min
Lab File: VY009967.D
Acq: 11 Aug 2022 16:32

Tgt Ion: 43 Resp: 201
Ion Ratio Lower Upper
43 100
61 65.7 11.2 16.8#
70 0.0 8.4 12.6#

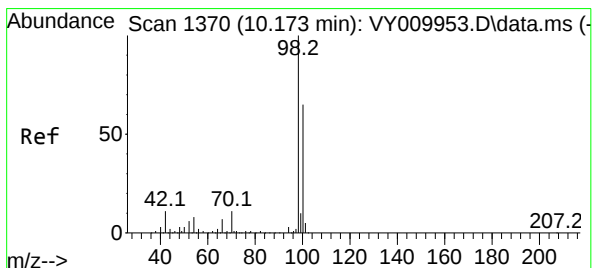
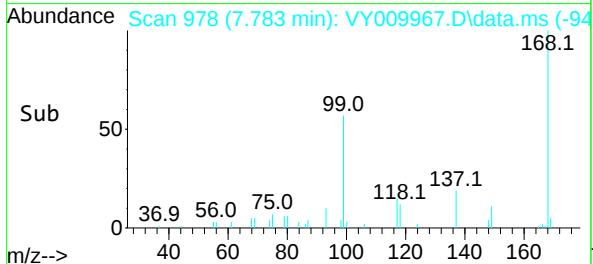
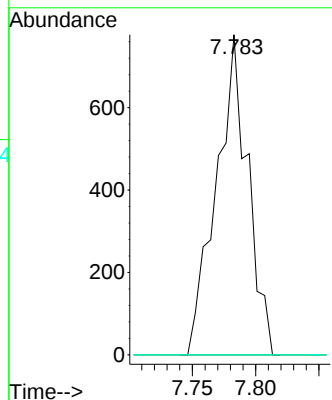
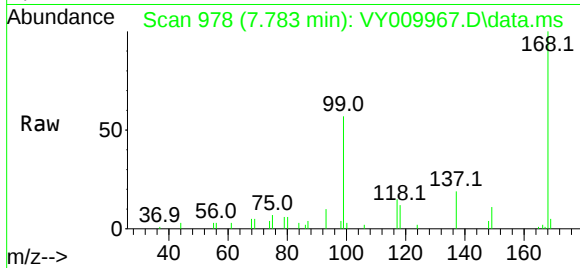




#38
Carbon Tetrachloride
Concen: 6.513 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY009967.D
Acq: 11 Aug 2022 16:32

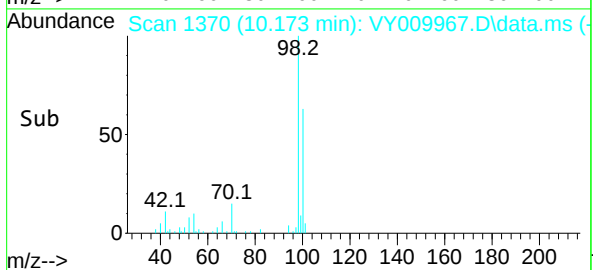
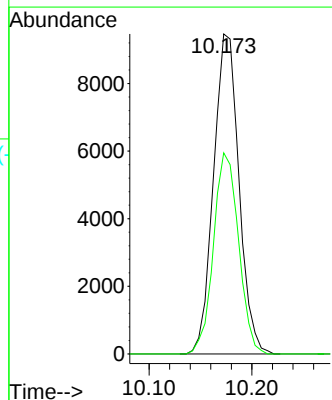
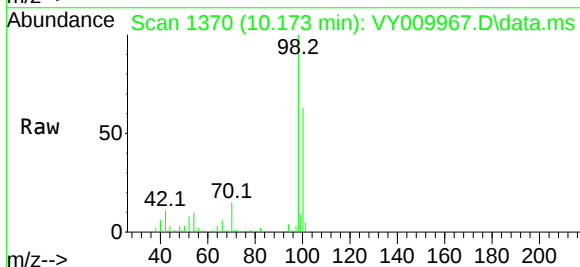
Instrument :
MSVOA_Y
ClientSampleId :
TP2-2FT

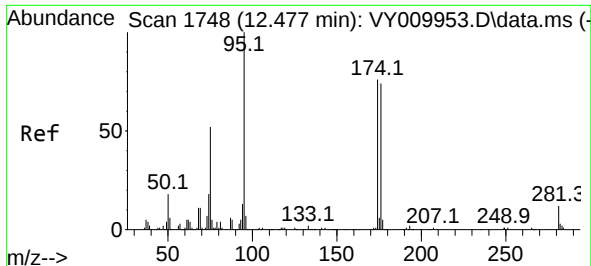
Tgt Ion:117 Resp: 1346
Ion Ratio Lower Upper
117 100
119 0.0 75.9 113.9#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 44.194 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.000 min
Lab File: VY009967.D
Acq: 11 Aug 2022 16:32

Tgt Ion: 98 Resp: 16259
Ion Ratio Lower Upper
98 100
100 62.0 52.9 79.3

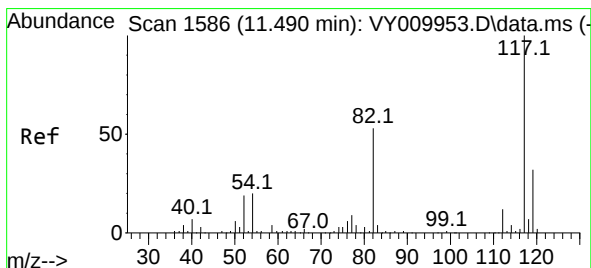
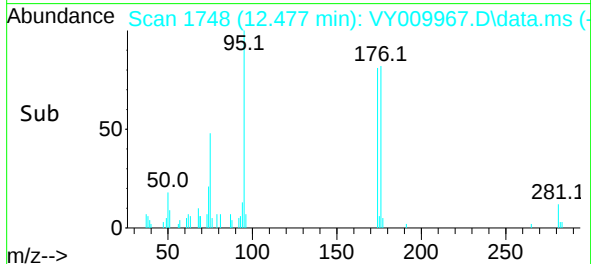
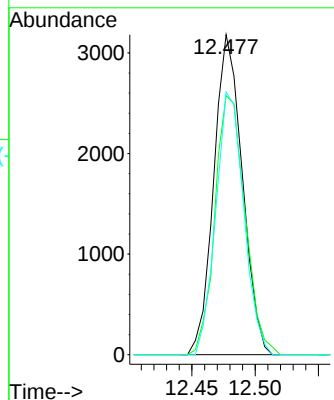
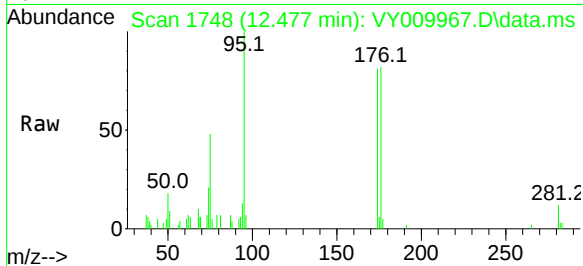




#62
4-Bromofluorobenzene
Concen: 28.557 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY009967.D
Acq: 11 Aug 2022 16:32

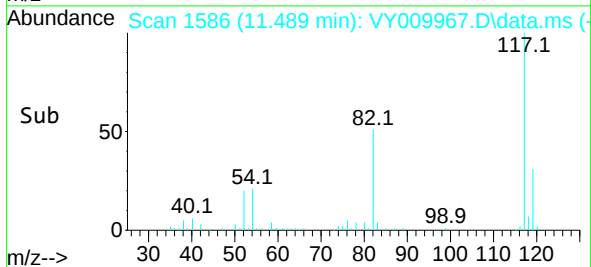
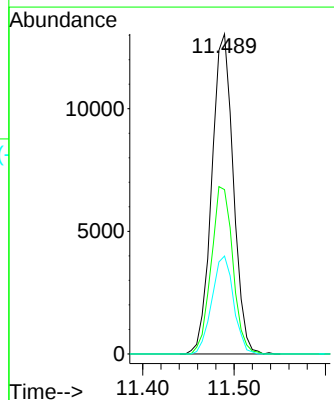
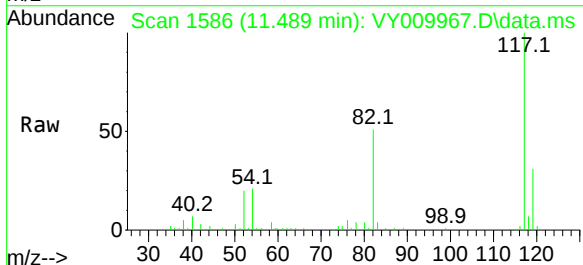
Instrument :
MSVOA_Y
ClientSampleId :
TP2-2FT

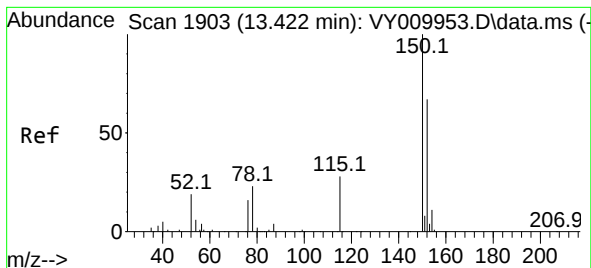
Tgt Ion:	95	Resp:	4976
Ion	Ratio	Lower	Upper
95	100		
174	85.1	0.0	173.8
176	80.5	0.0	167.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY009967.D
Acq: 11 Aug 2022 16:32

Tgt Ion:	117	Resp:	21333
Ion	Ratio	Lower	Upper
117	100		
82	51.4	41.8	62.6
119	30.6	25.6	38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY009967.D

Acq: 11 Aug 2022 16:32

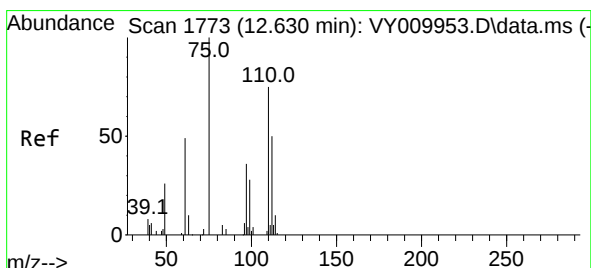
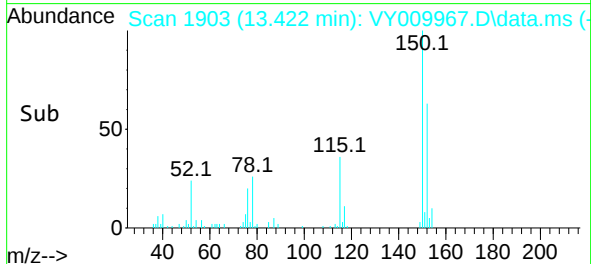
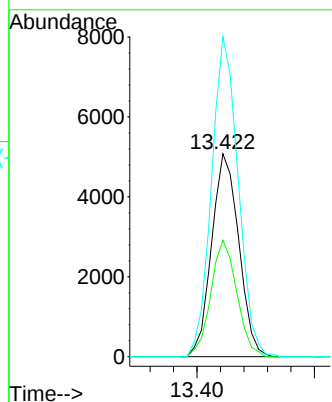
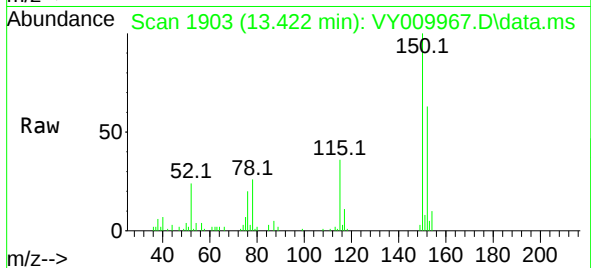
Instrument :

MSVOA_Y

ClientSampleId :

TP2-2FT

Tgt Ion:152	Resp:	8145
Ion Ratio	Lower	Upper
152	100	
115	55.0	28.6 85.9
150	154.7	0.0 349.8



#76

1,2,3-Trichloropropane

Concen: 29.441 ug/l

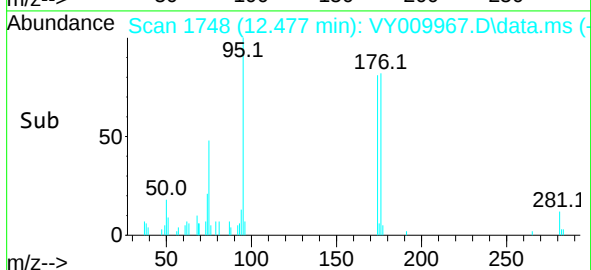
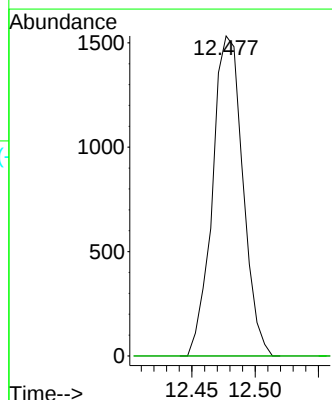
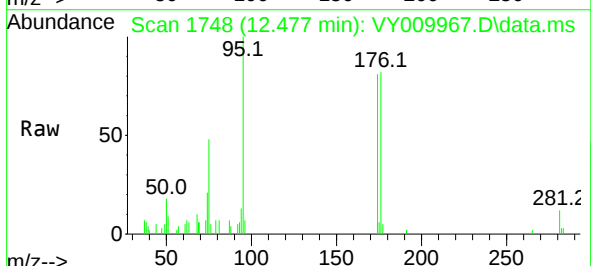
RT: 12.477 min Scan# 1748

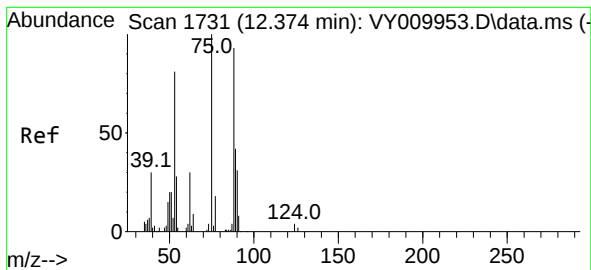
Delta R.T. -0.153 min

Lab File: VY009967.D

Acq: 11 Aug 2022 16:32

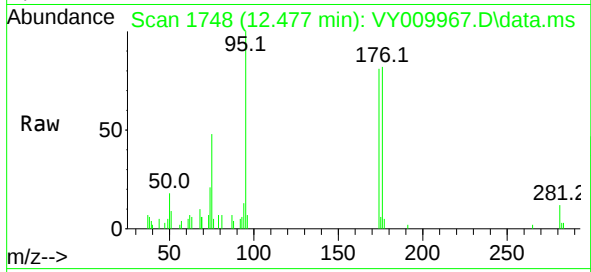
Tgt Ion: 75	Resp:	2560
Ion Ratio	Lower	Upper
75	100	
77	0.0	0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.308 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY009967.D
 Acq: 11 Aug 2022 16:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP2-2FT



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	71.4	107.2#
89	0.0	38.1	57.1#

