

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022522\
 Data File : VY007649.D
 Acq On : 25 Feb 2022 20:05
 Operator : SY/MD
 Sample : N1681-06
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2-2FT

Quant Time: Feb 28 00:00:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022322S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 24 07:13:58 2022
 Response via : Initial Calibration

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

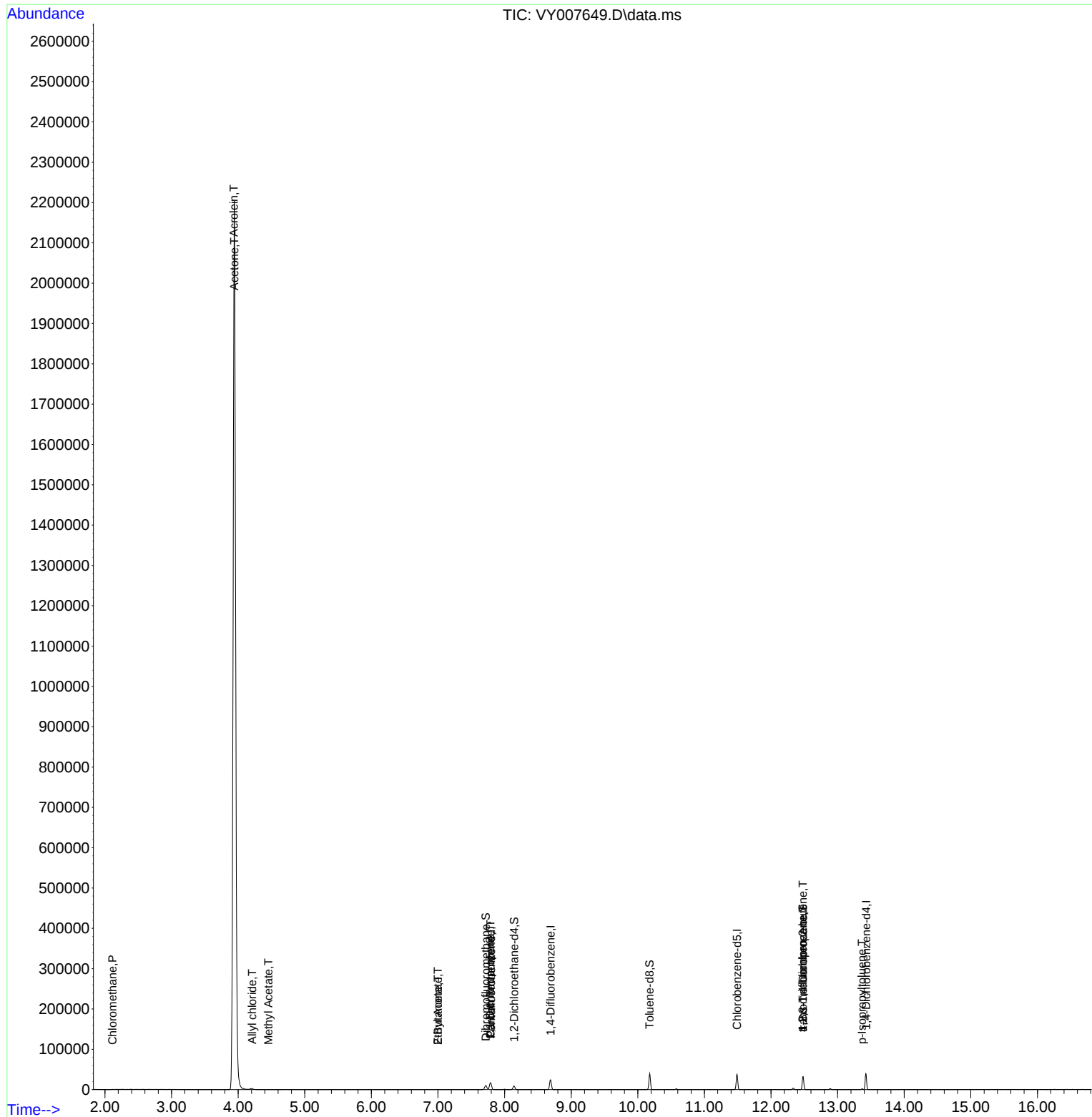
Internal Standards						
1) Pentafluorobenzene	7.795	168	12845	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	21051	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	20669	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	9499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	6925	48.462	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.920%
35) Dibromofluoromethane	7.716	113	6393	48.130	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.260%
50) Toluene-d8	10.179	98	24685	50.212	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.420%
62) 4-Bromofluorobenzene	12.477	95	8507	50.650	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.300%
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	98	1.369	ug/l #	44
5) Bromomethane	2.668	94	122	Below Cal	#	4
13) Acrolein	3.936	56	1050	57.093	ug/l #	1
14) Allyl chloride	4.210	41	358	2.669	ug/l #	78
16) Acetone	3.942	43	3646060	112036.902	ug/l	93
18) Methyl Acetate	4.454	43	188	3.859	ug/l #	56
20) Methylene Chloride	4.729	84	114	Below Cal	#	27
25) 2-Butanone	6.996	43	865	23.444	ug/l #	82
31) Cyclohexane	7.789	56	366	Below Cal	#	51
36) 1,1-Dichloropropene	7.783	75	944	4.932	ug/l #	42
37) Ethyl Acetate	6.996	43	865	10.038	ug/l #	72
38) Carbon Tetrachloride	7.789	117	1516	5.408	ug/l #	11
39) Methylcyclohexane	9.173	83	21	Below Cal	#	16
76) 1,2,3-Trichloropropane	12.477	75	5709	60.092	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	5709	129.208	ug/l #	7
86) p-Isopropyltoluene	13.367	119	1482	2.194	ug/l	90

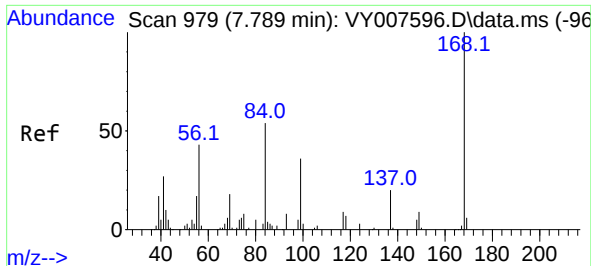
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022522\
Data File : VY007649.D
Acq On : 25 Feb 2022 20:05
Operator : SY/MD
Sample : N1681-06
Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-2-2FT

Quant Time: Feb 28 00:00:11 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022322S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 24 07:13:58 2022
Response via : Initial Calibration

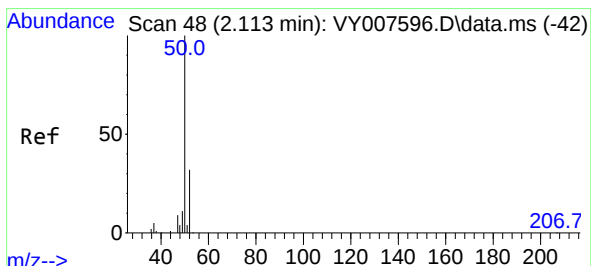
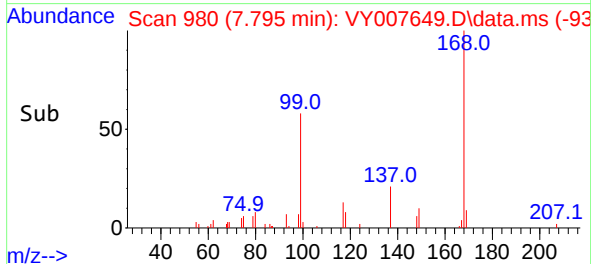
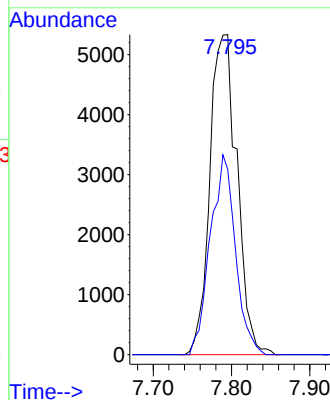
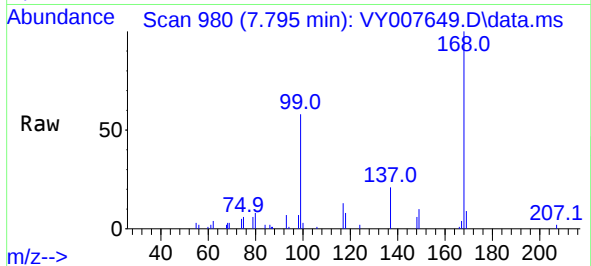




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007649.D
Acq: 25 Feb 2022 20:05

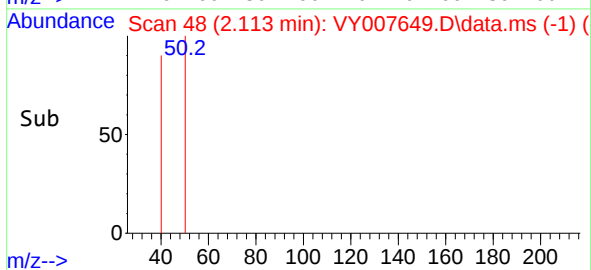
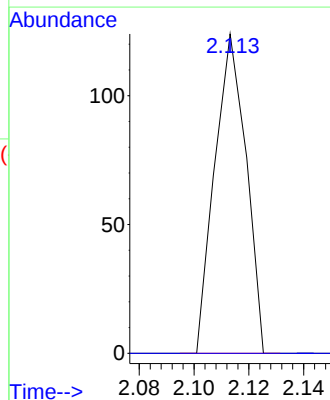
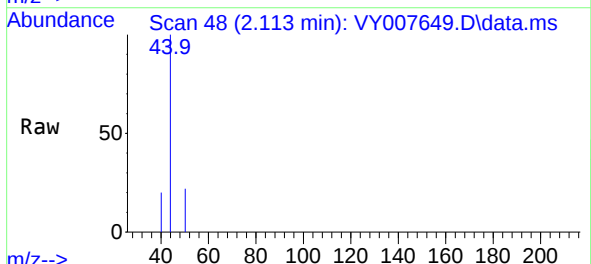
Instrument :
MSVOA_Y
ClientSampleId :
TP-2-2FT

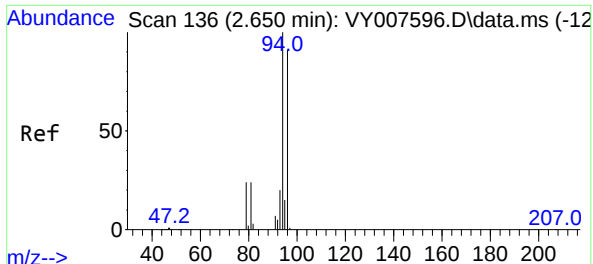
Tgt Ion:168 Resp: 12845
Ion Ratio Lower Upper
168 100
99 57.9 46.9 70.3



#3
Chloromethane
Concen: 1.369 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY007649.D
Acq: 25 Feb 2022 20:05

Tgt Ion: 50 Resp: 98
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

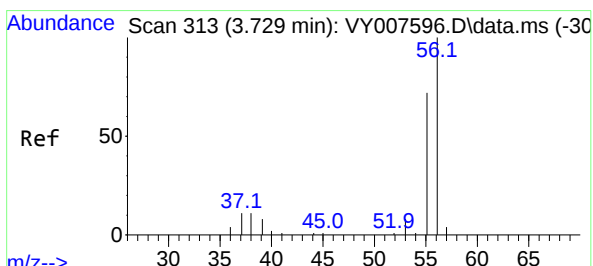
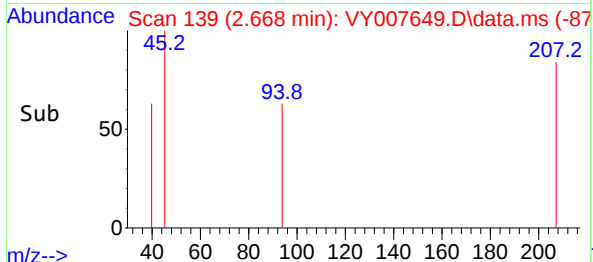
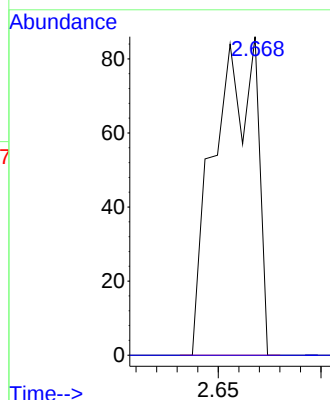
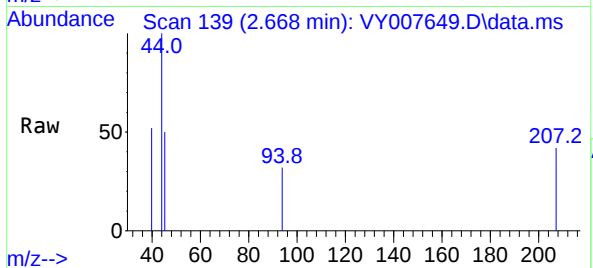




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY007649.D
Acq: 25 Feb 2022 20:05

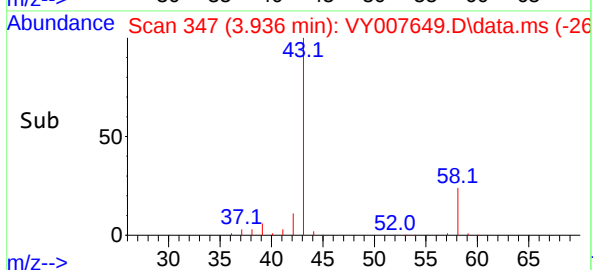
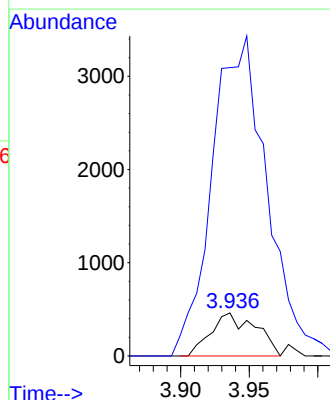
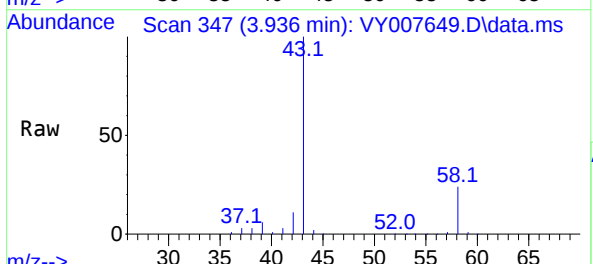
Instrument :
MSVOA_Y
ClientSampleId :
TP-2-2FT

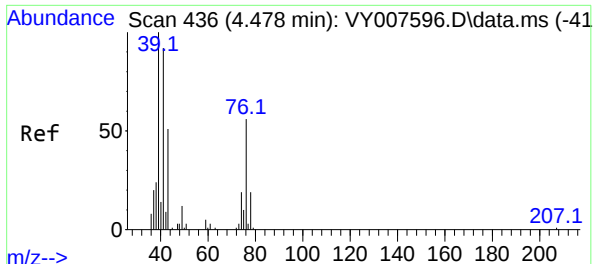
Tgt Ion: 94 Resp: 122
Ion Ratio Lower Upper
94 100
96 0.0 73.5 110.3#



#13
Acrolein
Concen: 57.093 ug/l
RT: 3.936 min Scan# 347
Delta R.T. 0.207 min
Lab File: VY007649.D
Acq: 25 Feb 2022 20:05

Tgt Ion: 56 Resp: 1050
Ion Ratio Lower Upper
56 100
55 908.1 57.6 86.4#





#14

Allyl chloride

Concen: 2.669 ug/l

RT: 4.210 min Scan# 341

Delta R.T. -0.268 min

Lab File: VY007649.D

Acq: 25 Feb 2022 20:05

Instrument :

MSVOA_Y

ClientSampleId :

TP-2-2FT

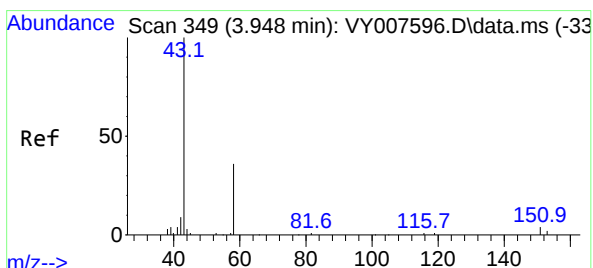
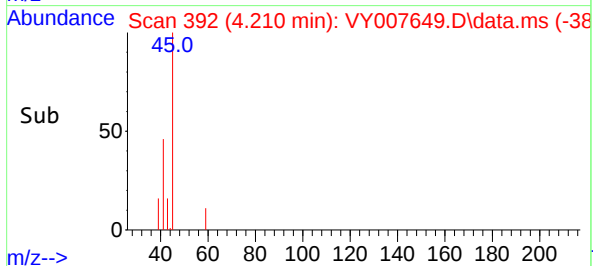
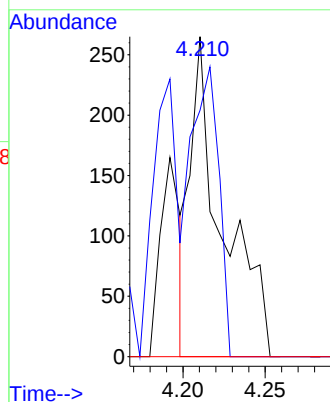
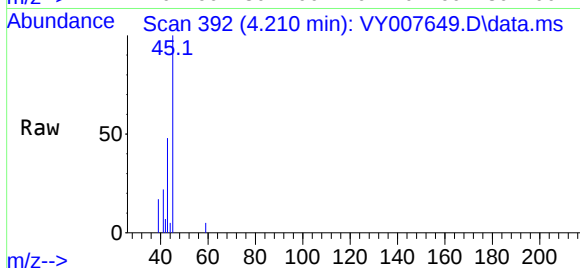
Tgt Ion: 41 Resp: 358

Ion Ratio Lower Upper

41 100

39 79.1 58.8 88.2

76 0.0 25.1 37.7#



#16

Acetone

Concen: 112036.902 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.006 min

Lab File: VY007649.D

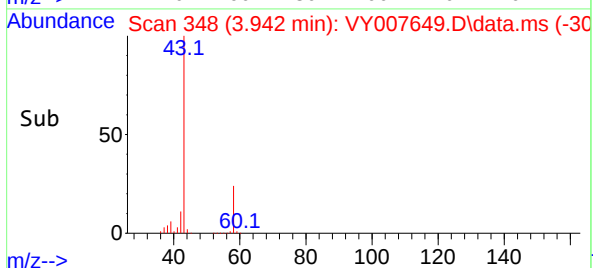
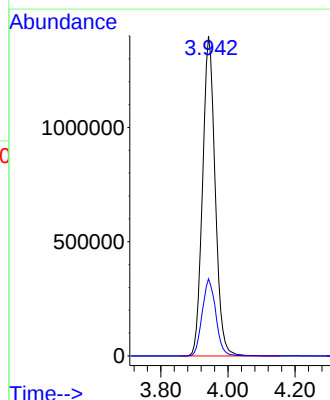
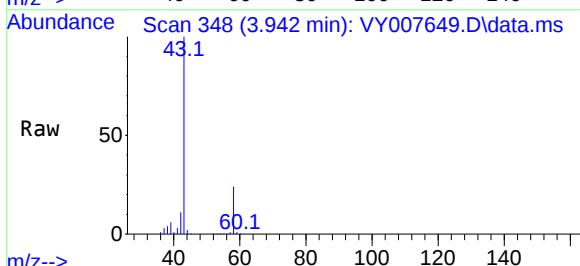
Acq: 25 Feb 2022 20:05

Tgt Ion: 43 Resp: 3646060

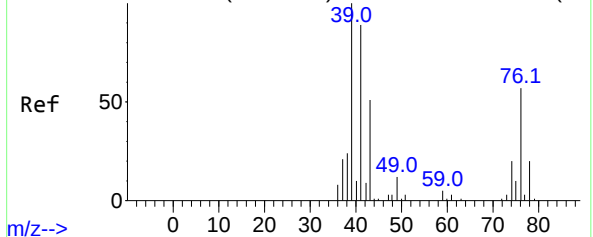
Ion Ratio Lower Upper

43 100

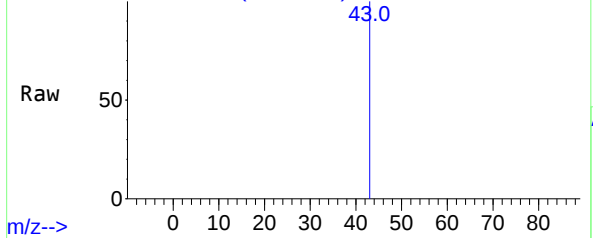
58 24.1 22.0 33.0



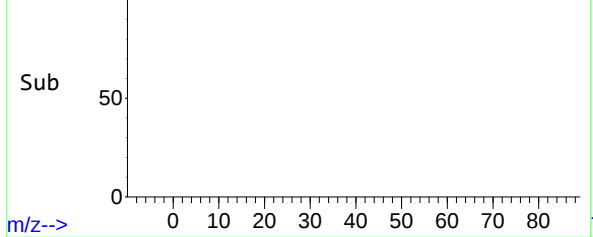
Abundance Scan 436 (4.478 min): VY007596.D\data.ms (-42



m/z--> Scan 432 (4.454 min): VY007649.D\data.ms

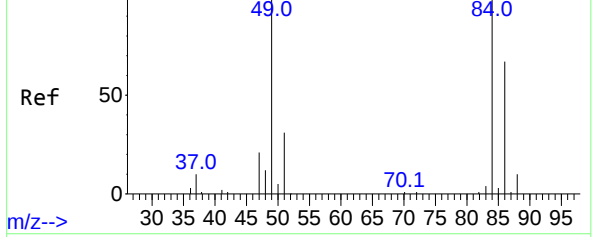


Abundance Scan 432 (4.454 min): VY007649.D\data.ms (-38

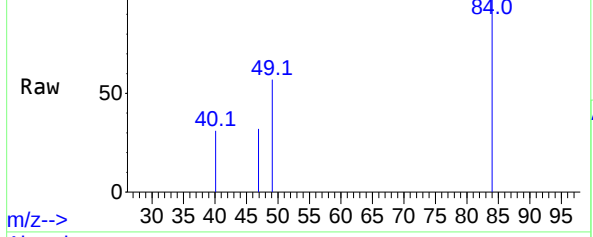


m/z-->

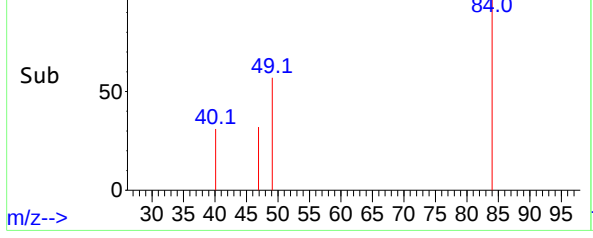
Abundance Scan 475 (4.716 min): VY007596.D\data.ms (-46



m/z--> Scan 477 (4.729 min): VY007649.D\data.ms



Abundance Scan 477 (4.729 min): VY007649.D\data.ms (-42



m/z-->

#18

Methyl Acetate

Concen: 3.859 ug/l

RT: 4.454 min Scan# 41

Delta R.T. -0.024 min

Lab File: VY007649.D

Acq: 25 Feb 2022 20:05

Instrument :

MSVOA_Y

ClientSampleId :

TP-2-2FT

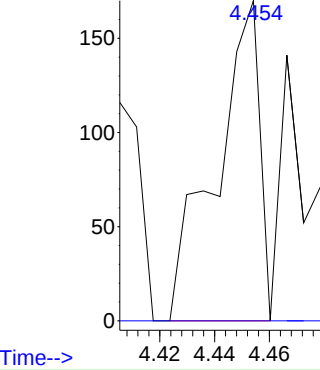
Tgt Ion: 43 Resp: 188

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#

Abundance



Time-->

#20

Methylene Chloride

Concen: Below Cal

RT: 4.729 min Scan# 477

Delta R.T. 0.013 min

Lab File: VY007649.D

Acq: 25 Feb 2022 20:05

Tgt Ion: 84 Resp: 114

Ion Ratio Lower Upper

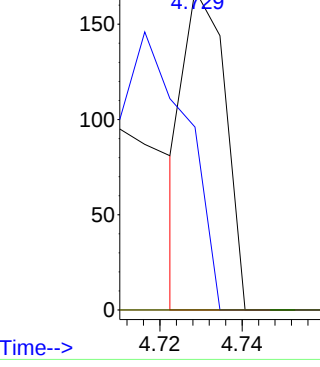
84 100

49 57.1 114.4 171.6#

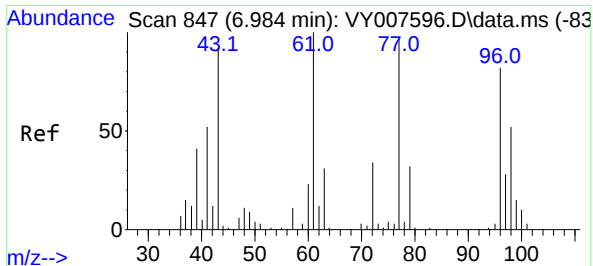
51 0.0 35.3 52.9#

86 0.0 53.7 80.5#

Abundance



Time-->



#25

2-Butanone

Concen: 23.444 ug/l

RT: 6.996 min Scan# 84

Delta R.T. 0.012 min

Lab File: VY007649.D

Acq: 25 Feb 2022 20:05

Instrument :

MSVOA_Y

ClientSampleId :

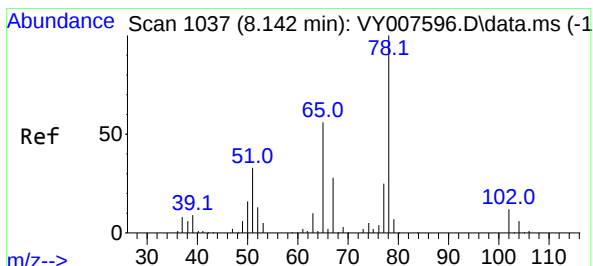
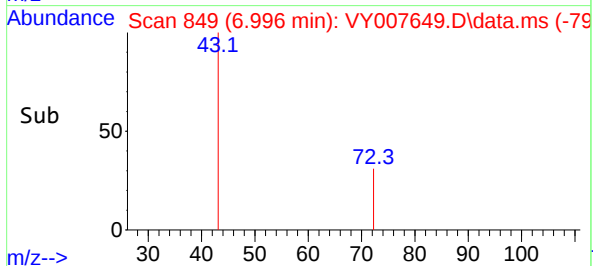
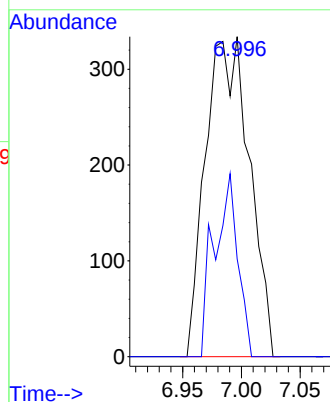
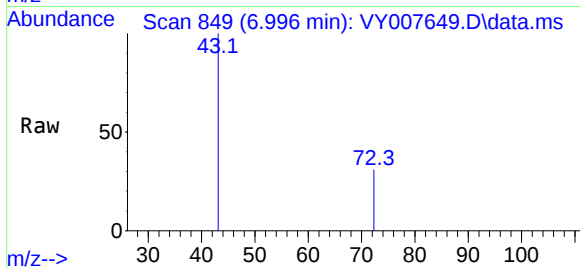
TP-2-2FT

Tgt Ion: 43 Resp: 865

Ion Ratio Lower Upper

43 100

72 30.5 17.7 26.5#



#33

1,2-Dichloroethane-d4

Concen: 48.462 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.001 min

Lab File: VY007649.D

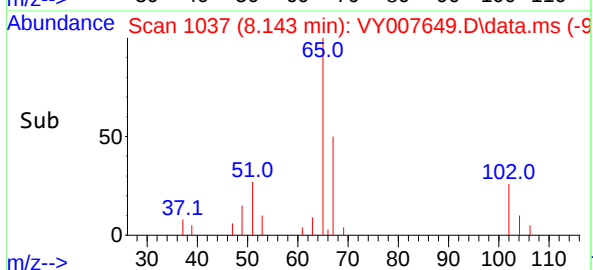
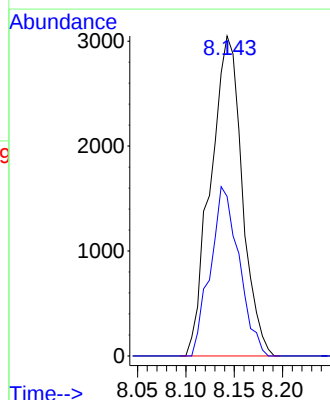
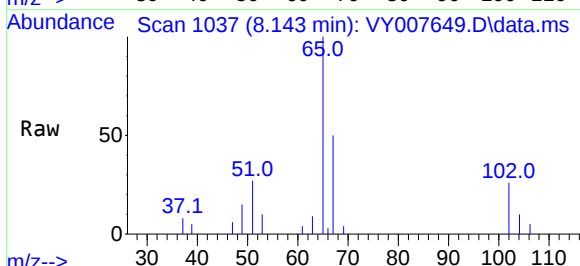
Acq: 25 Feb 2022 20:05

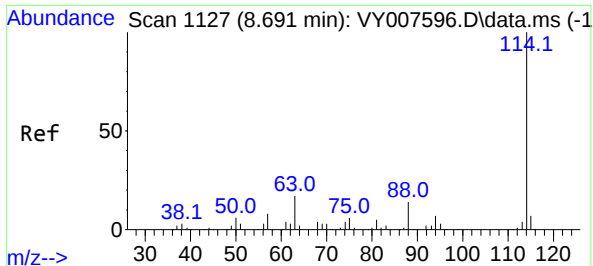
Tgt Ion: 65 Resp: 6925

Ion Ratio Lower Upper

65 100

67 48.0 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: VY007649.D

Acq: 25 Feb 2022 20:05

Instrument :

MSVOA_Y

ClientSampleId :

TP-2-2FT

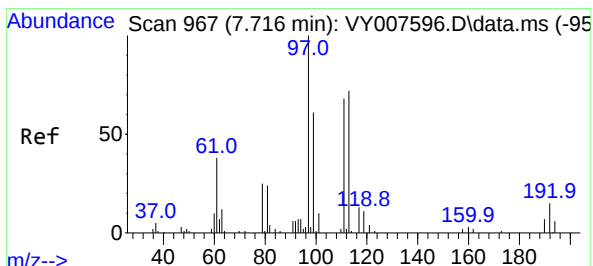
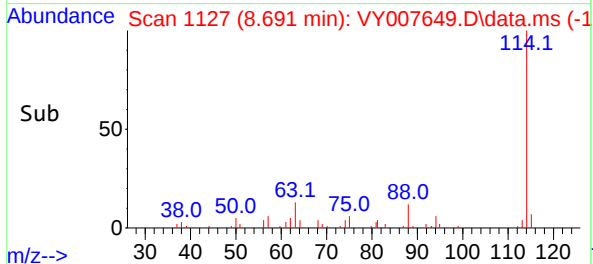
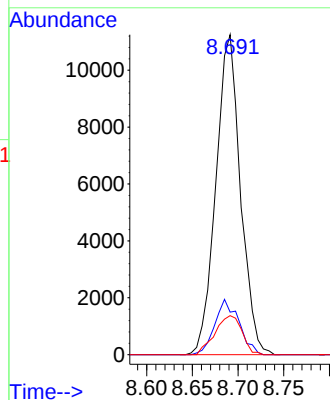
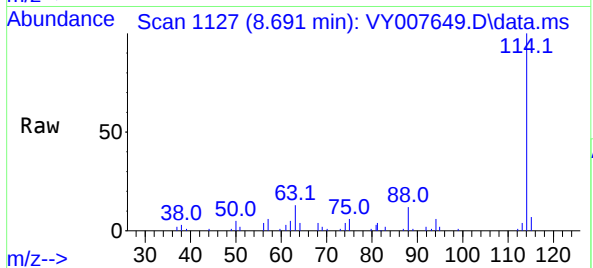
Tgt Ion:114 Resp: 21051

Ion Ratio Lower Upper

114 100

63 13.3 0.0 43.2

88 12.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 48.130 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY007649.D

Acq: 25 Feb 2022 20:05

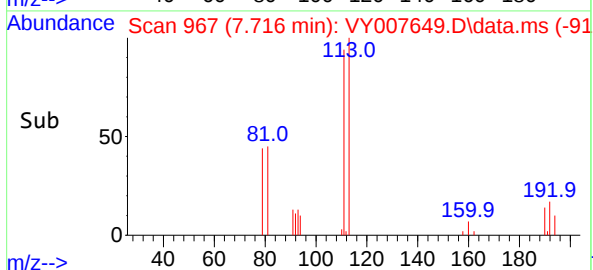
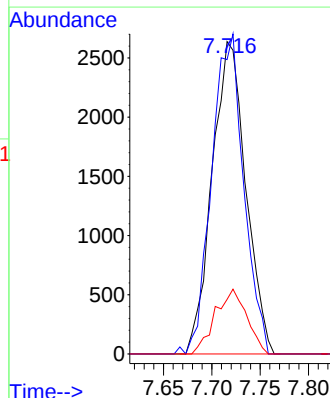
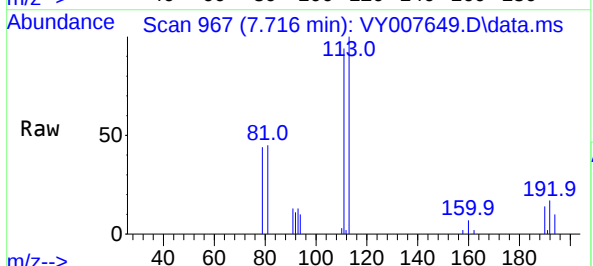
Tgt Ion:113 Resp: 6393

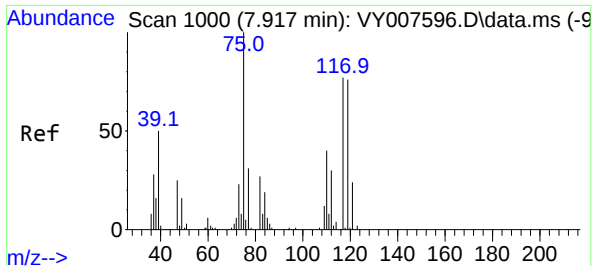
Ion Ratio Lower Upper

113 100

111 97.1 82.6 124.0

192 19.5 17.6 26.4

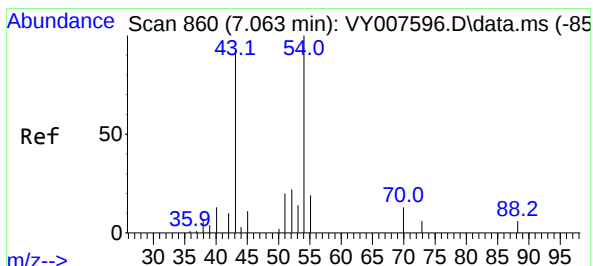
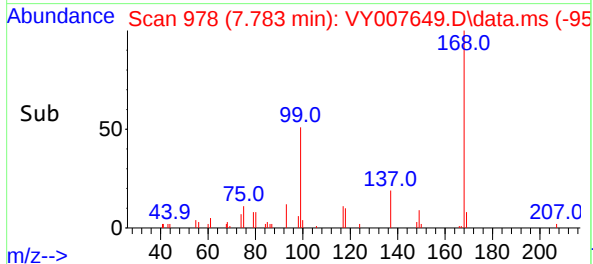
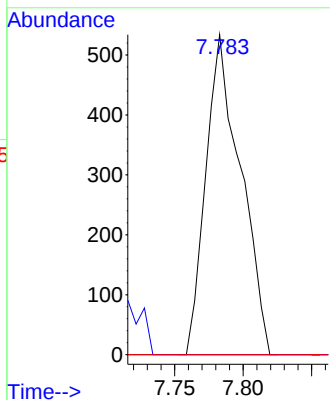
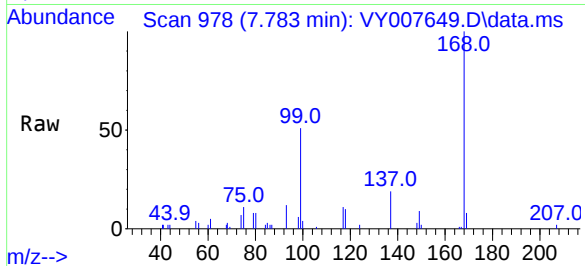




#36
1,1-Dichloropropene
Concen: 4.932 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY007649.D
Acq: 25 Feb 2022 20:05

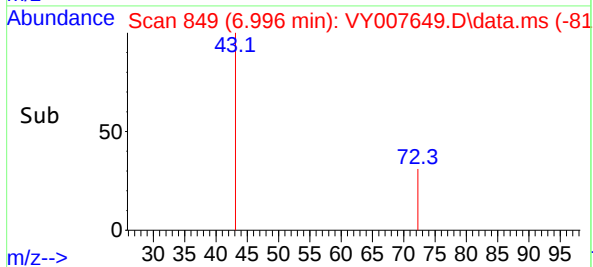
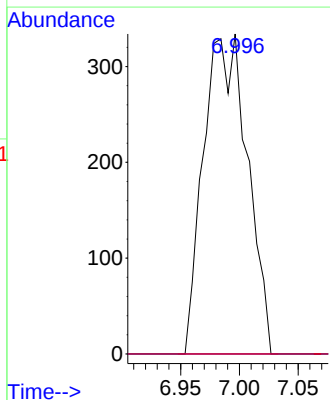
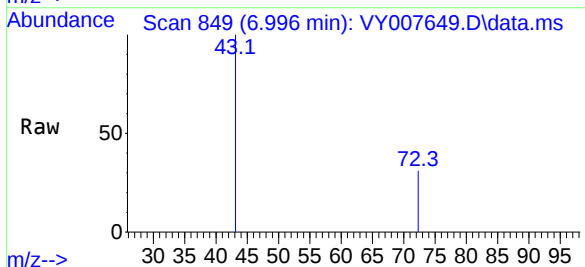
Instrument :
MSVOA_Y
ClientSampleId :
TP-2-2FT

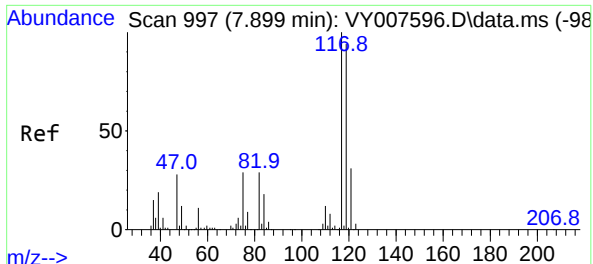
Tgt Ion: 75 Resp: 944
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 10.038 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.067 min
Lab File: VY007649.D
Acq: 25 Feb 2022 20:05

Tgt Ion: 43 Resp: 865
Ion Ratio Lower Upper
43 100
61 0.0 9.7 14.5#
70 0.0 7.1 10.7#

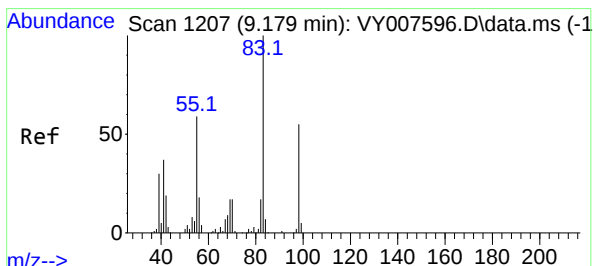
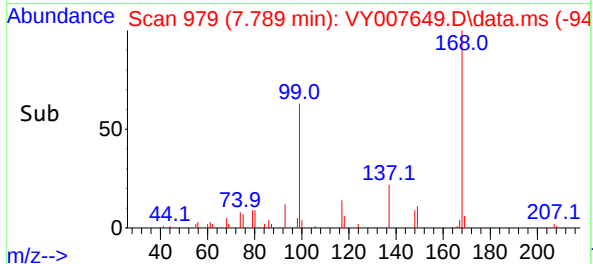
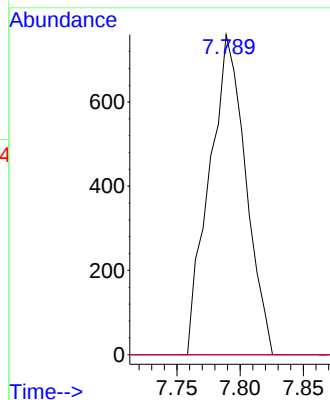
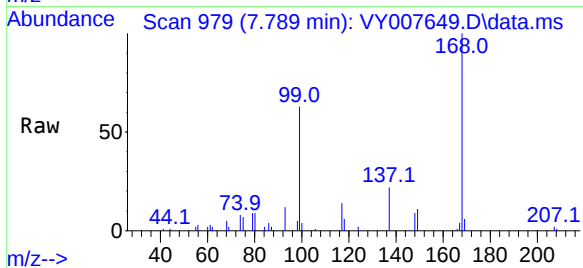




#38
Carbon Tetrachloride
Concen: 5.408 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY007649.D
Acq: 25 Feb 2022 20:05

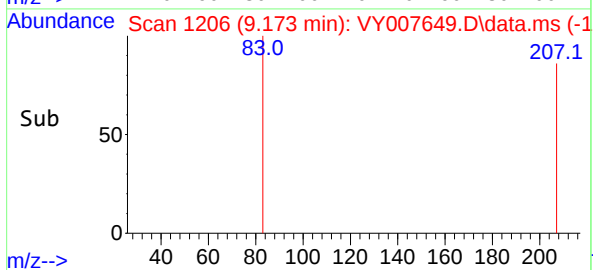
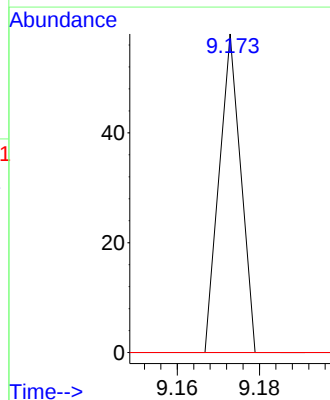
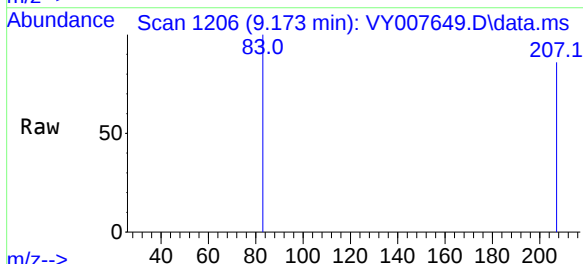
Instrument :
MSVOA_Y
ClientSampleId :
TP-2-2FT

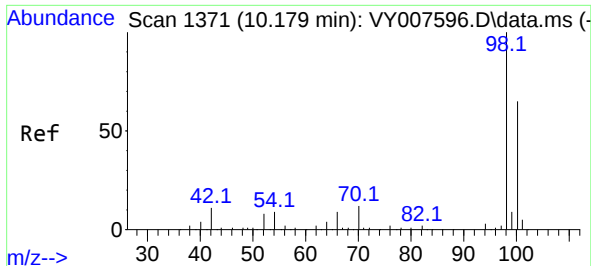
Tgt Ion:117 Resp: 1516
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: Below Cal
RT: 9.173 min Scan# 1206
Delta R.T. -0.006 min
Lab File: VY007649.D
Acq: 25 Feb 2022 20:05

Tgt Ion: 83 Resp: 21
Ion Ratio Lower Upper
83 100
55 0.0 66.5 99.7#
98 0.0 37.9 56.9#

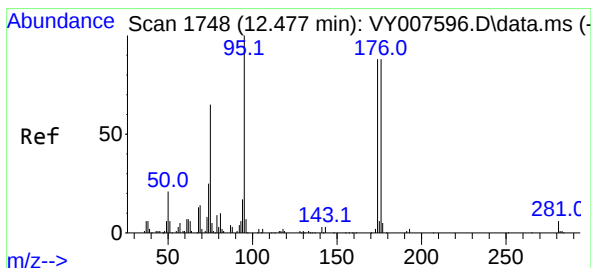
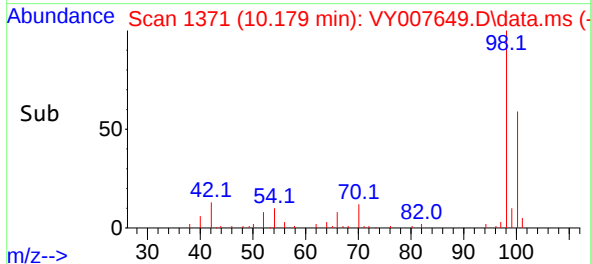
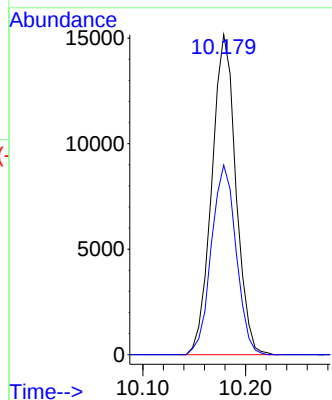
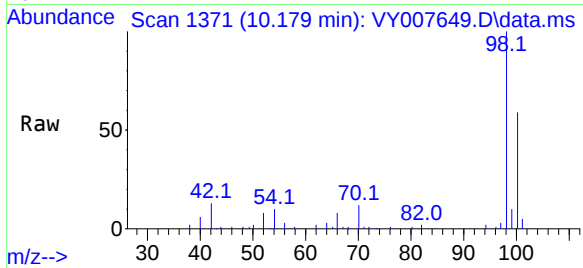




#50
Toluene-d8
Concen: 50.212 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007649.D
Acq: 25 Feb 2022 20:05

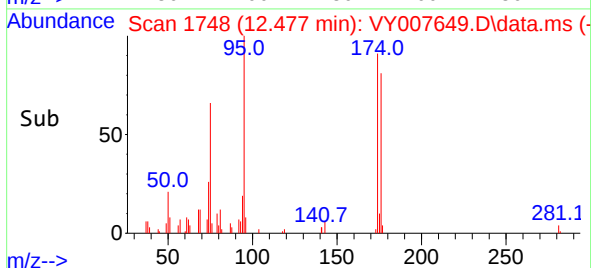
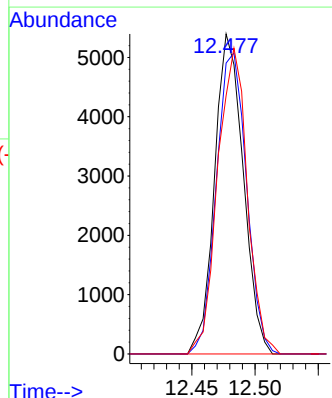
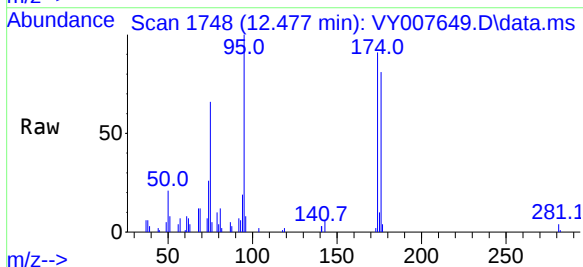
Instrument :
MSVOA_Y
ClientSampleId :
TP-2-2FT

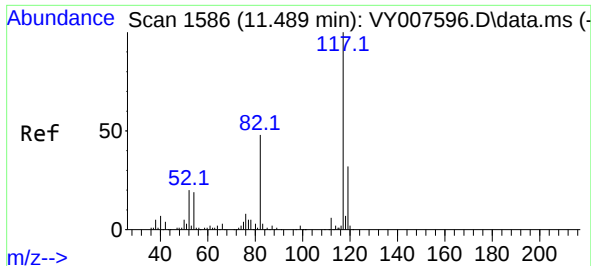
Tgt Ion: 98 Resp: 24685
Ion Ratio Lower Upper
98 100
100 60.8 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 50.650 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY007649.D
Acq: 25 Feb 2022 20:05

Tgt Ion: 95 Resp: 8507
Ion Ratio Lower Upper
95 100
174 99.1 0.0 177.0
176 98.4 0.0 175.8

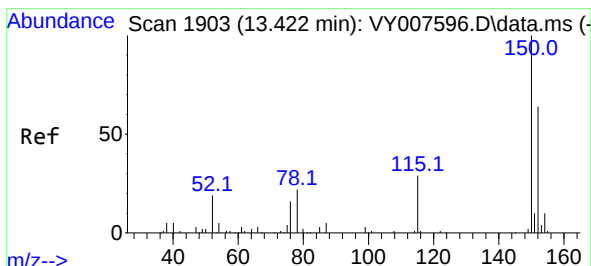
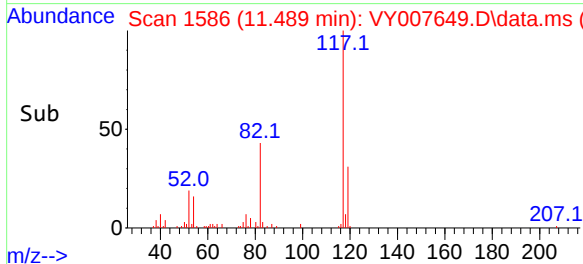
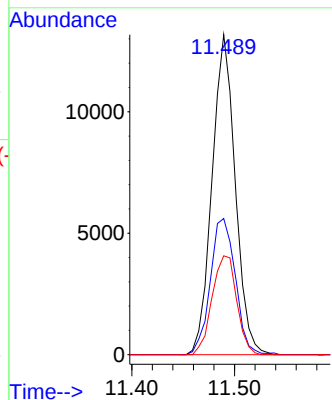
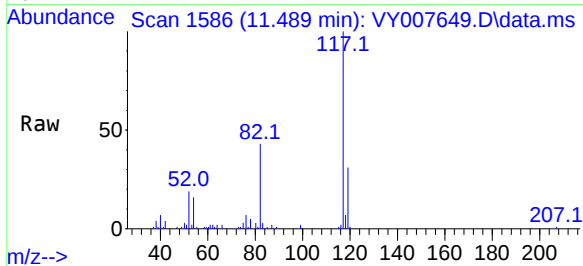




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY007649.D
Acq: 25 Feb 2022 20:05

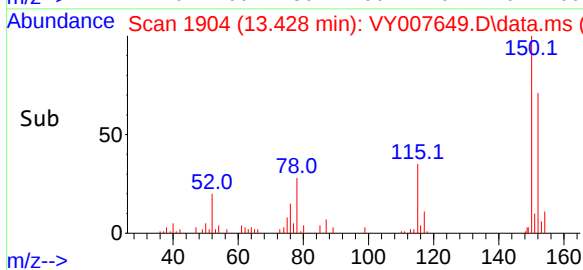
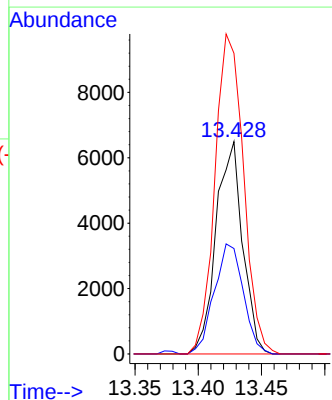
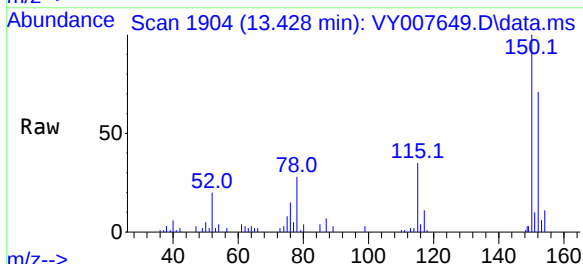
Instrument :
MSVOA_Y
ClientSampleId :
TP-2-2FT

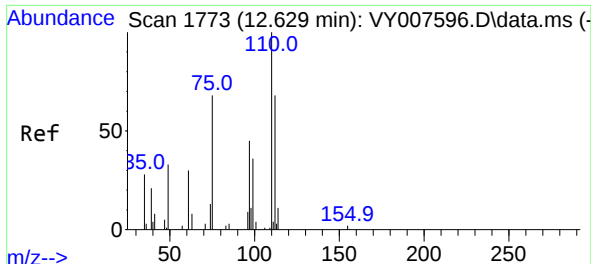
Tgt Ion:117 Resp: 20669
Ion Ratio Lower Upper
117 100
82 42.5 43.0 64.4#
119 30.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY007649.D
Acq: 25 Feb 2022 20:05

Tgt Ion:152 Resp: 9499
Ion Ratio Lower Upper
152 100
115 56.6 28.2 84.7
150 162.0 0.0 347.6

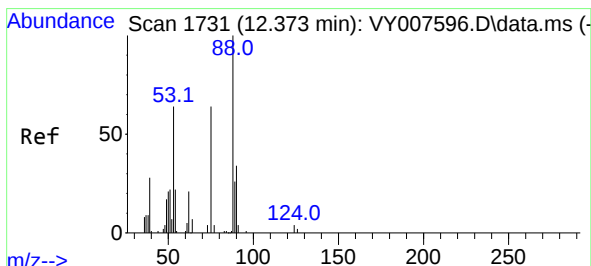
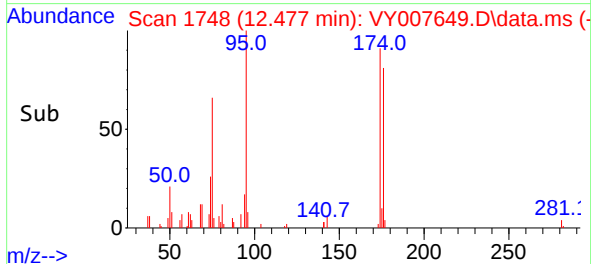
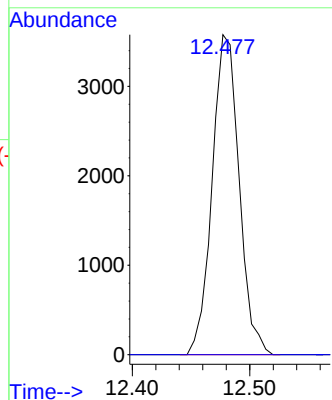
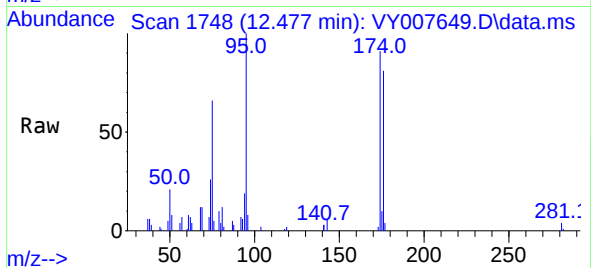




#76
1,2,3-Trichloropropane
Concen: 60.092 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY007649.D
Acq: 25 Feb 2022 20:05

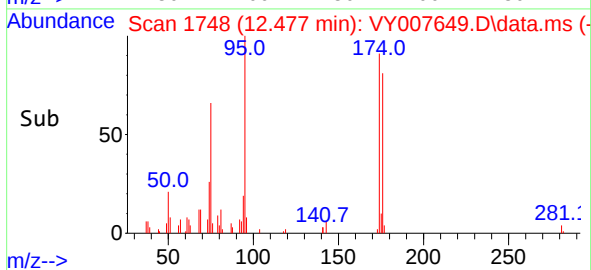
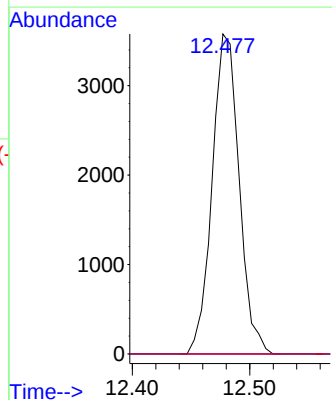
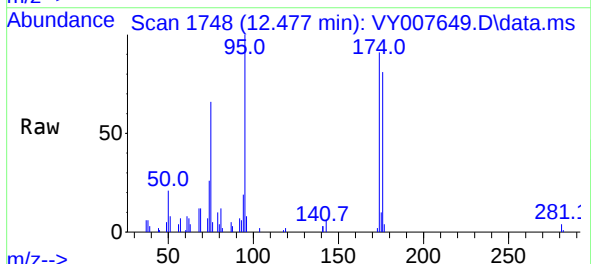
Instrument :
MSVOA_Y
ClientSampleId :
TP-2-2FT

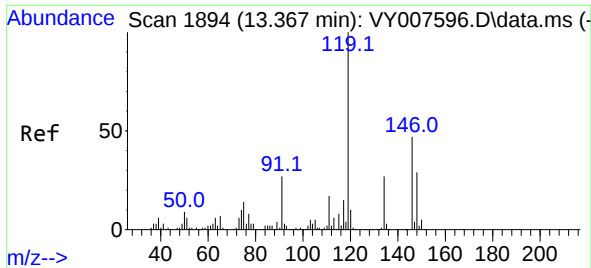
Tgt Ion: 75 Resp: 5709
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 129.208 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY007649.D
Acq: 25 Feb 2022 20:05

Tgt Ion: 75 Resp: 5709
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#





#86
 p-Isopropyltoluene
 Concen: 2.194 ug/l
 RT: 13.367 min Scan# 119
 Delta R.T. 0.000 min
 Lab File: VY007649.D
 Acq: 25 Feb 2022 20:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2-2FT

Tgt Ion:	119	Resp:	1482
Ion	Ratio	Lower	Upper
119	100		
134	31.8	13.2	39.5
91	29.6	12.4	37.2

