

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122122\
 Data File : VY011944.D
 Acq On : 21 Dec 2022 14:13
 Operator : KP/MD
 Sample : N6098-01
 Misc : 5.32g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 FVSUB-TP3-COMP-04

Quant Time: Dec 22 00:13:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

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

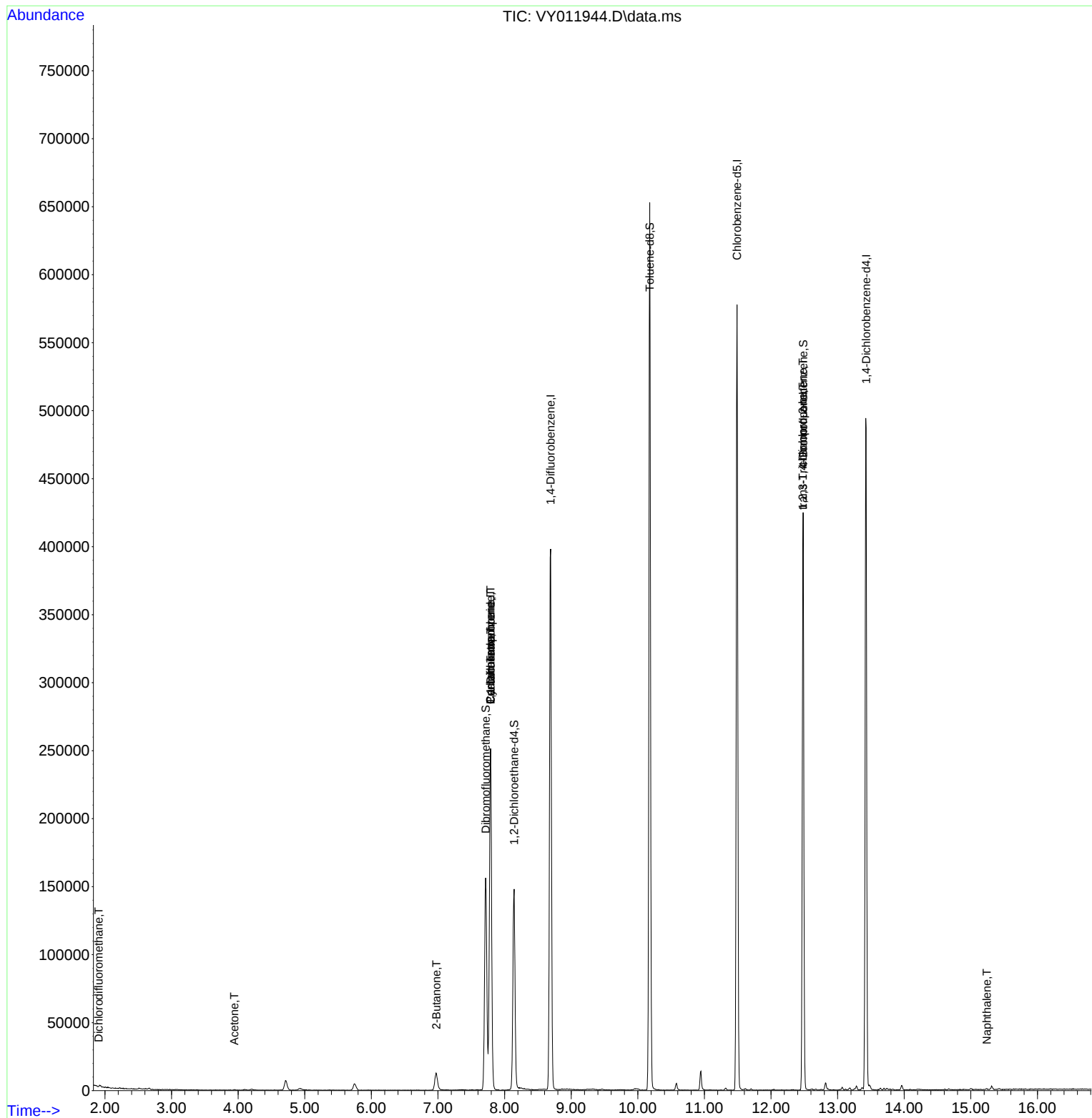
Internal Standards						
1) Pentafluorobenzene	7.789	168	195283	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	347440	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	321408	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	134449	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	117547	59.746	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.500%	
35) Dibromofluoromethane	7.716	113	108892	52.059	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.120%	
50) Toluene-d8	10.179	98	420897	49.596	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.200%	
62) 4-Bromofluorobenzene	12.483	95	127053	44.515	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 89.020%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	93	2.524	ug/l #	41
11) Tert butyl alcohol	4.930	59	1023	Below Cal	#	74
16) Acetone	3.942	43	520	5.742	ug/l #	70
20) Methylene Chloride	4.710	84	5261	Below Cal	#	81
25) 2-Butanone	6.978	43	686	1.047	ug/l	94
31) Cyclohexane	7.789	56	3805	1.149	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	14452	4.307	ug/l #	49
38) Carbon Tetrachloride	7.789	117	19853	5.123	ug/l #	18
76) 1,2,3-Trichloropropane	12.477	75	66450	39.719	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	66450	108.771	ug/l #	13
95) Naphthalene	15.239	128	905	2.951	ug/l #	93

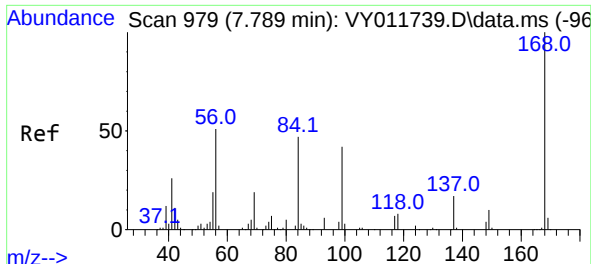
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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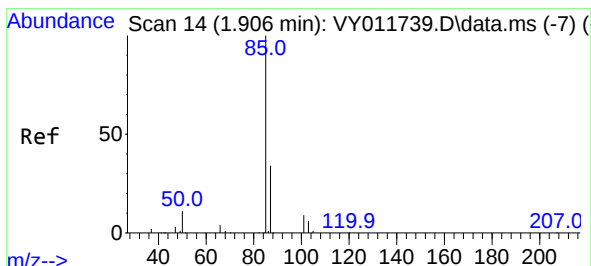
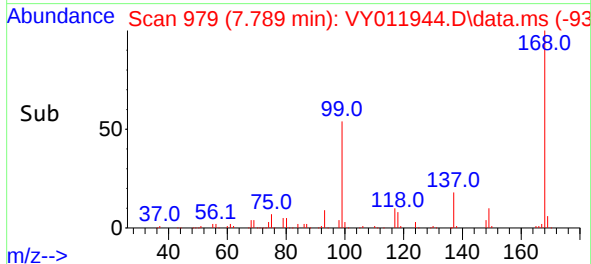
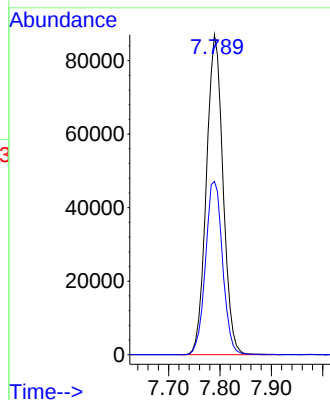
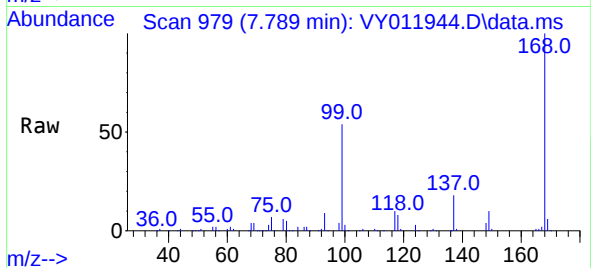




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011944.D
Acq: 21 Dec 2022 14:13

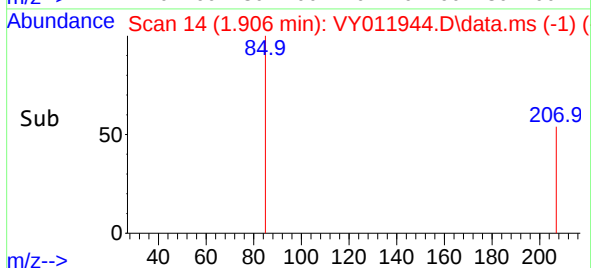
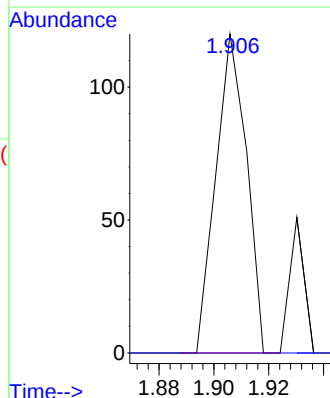
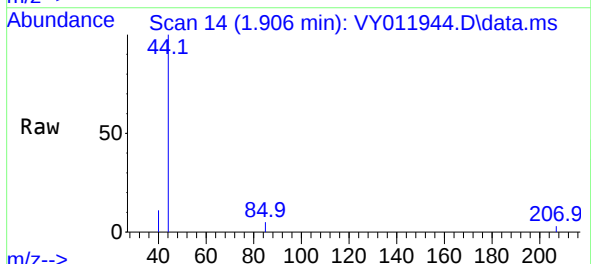
Instrument :
MSVOA_Y
ClientSampleId :
FVSUB-TP3-COMP-04

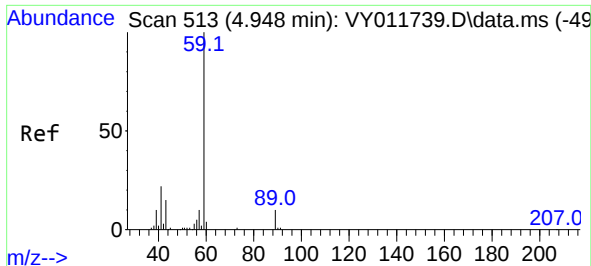
Tgt Ion:168 Resp: 195283
Ion Ratio Lower Upper
168 100
99 54.2 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 2.524 ug/l
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011944.D
Acq: 21 Dec 2022 14:13

Tgt Ion: 85 Resp: 93
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#

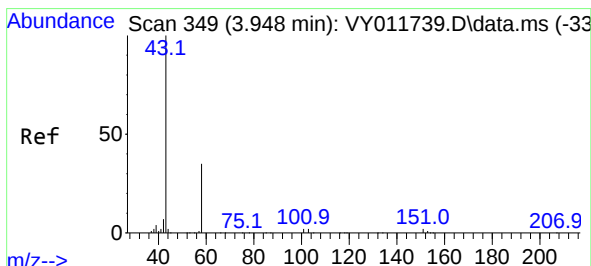
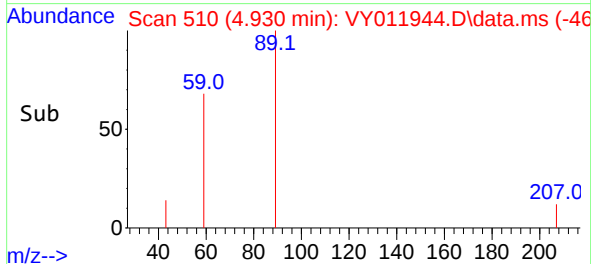
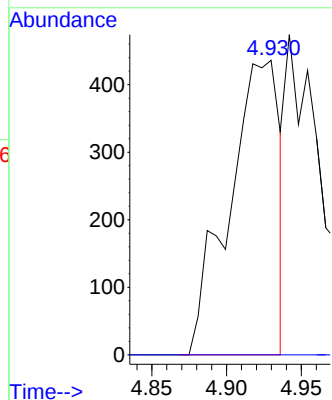
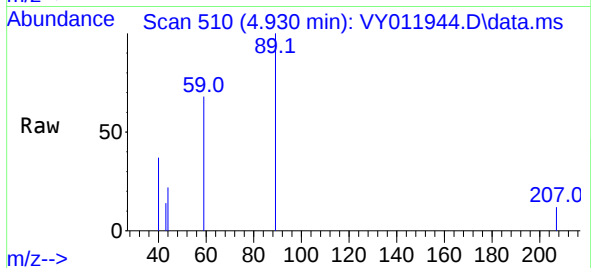




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 51
Delta R.T. -0.018 min
Lab File: VY011944.D
Acq: 21 Dec 2022 14:13

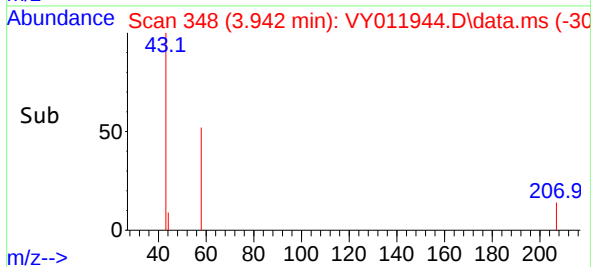
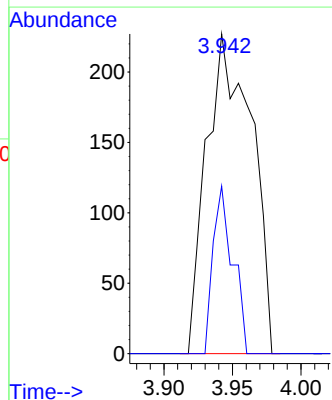
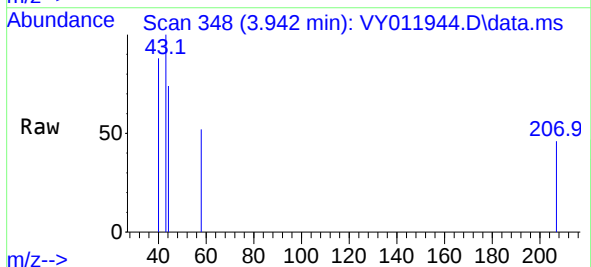
Instrument :
MSVOA_Y
ClientSampleId :
FVSUB-TP3-COMP-04

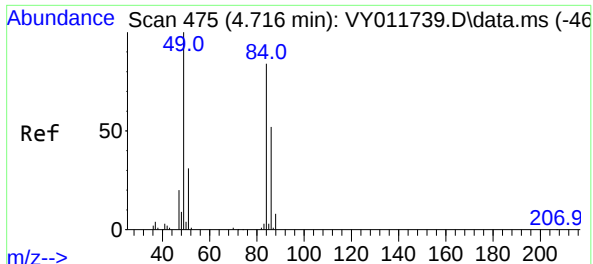
Tgt Ion: 59 Resp: 1023
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 5.742 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY011944.D
Acq: 21 Dec 2022 14:13

Tgt Ion: 43 Resp: 520
Ion Ratio Lower Upper
43 100
58 52.4 27.9 41.9#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY011944.D

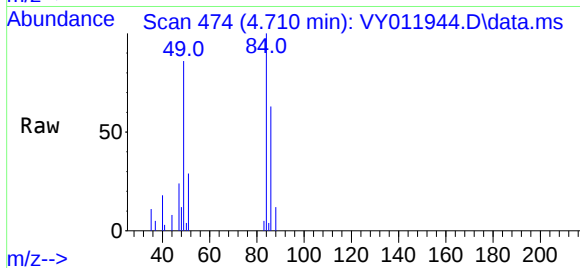
Acq: 21 Dec 2022 14:13

Instrument :

MSVOA_Y

ClientSampleId :

FVSUB-TP3-COMP-04



Tgt Ion: 84 Resp: 5261

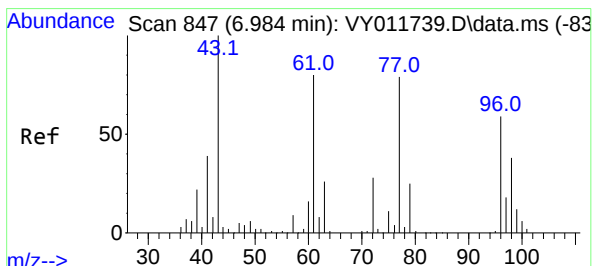
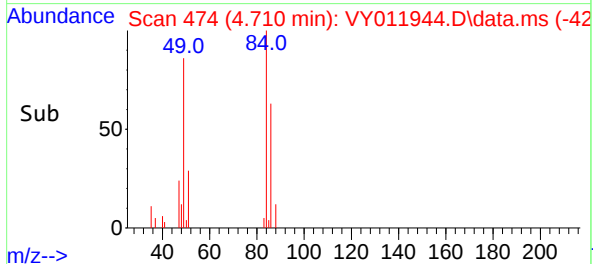
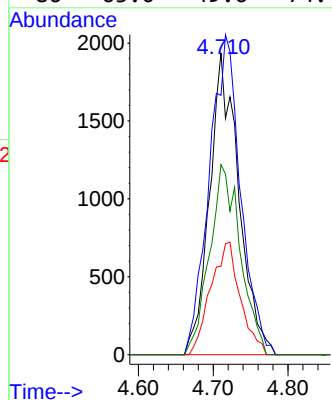
Ion Ratio Lower Upper

84 100

49 86.0 95.4 143.2#

51 29.3 29.9 44.9#

86 63.0 49.6 74.4



#25

2-Butanone

Concen: 1.047 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY011944.D

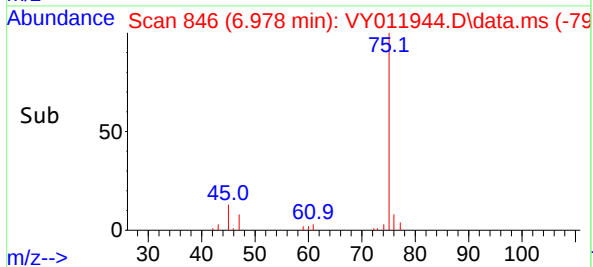
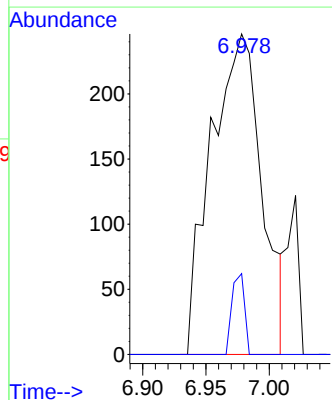
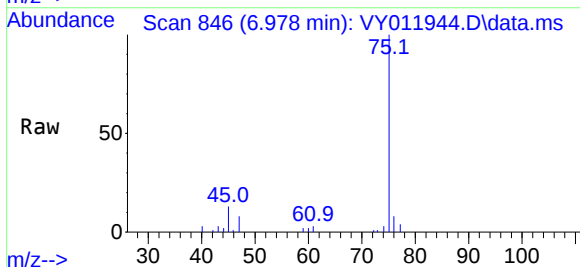
Acq: 21 Dec 2022 14:13

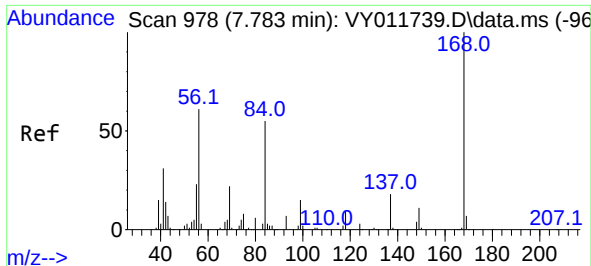
Tgt Ion: 43 Resp: 686

Ion Ratio Lower Upper

43 100

72 25.2 22.6 34.0

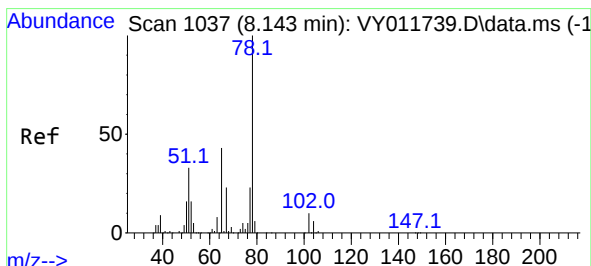
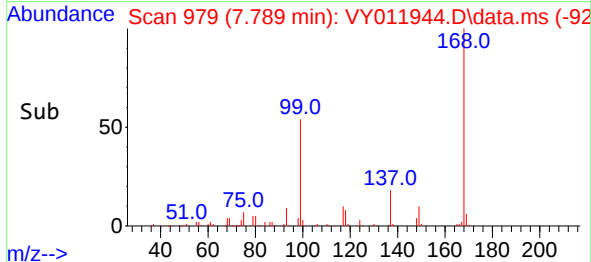
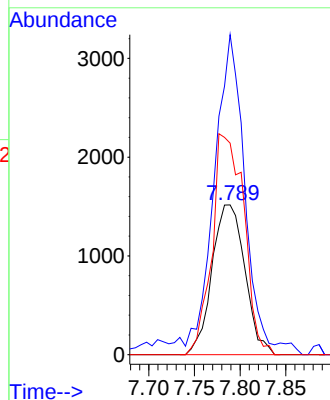
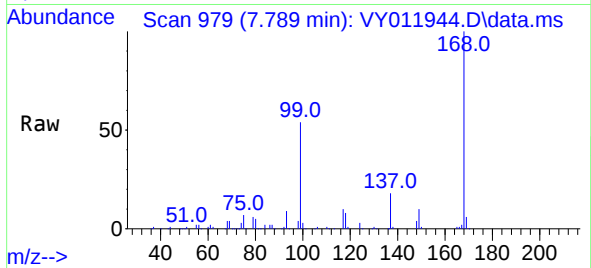




#31
Cyclohexane
Concen: 1.149 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011944.D
Acq: 21 Dec 2022 14:13

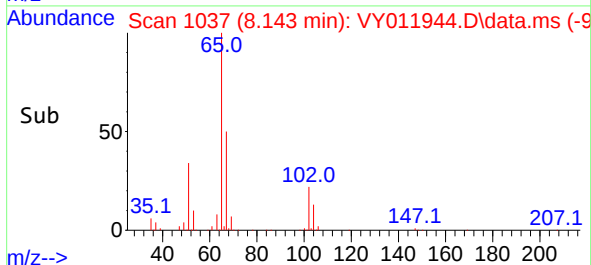
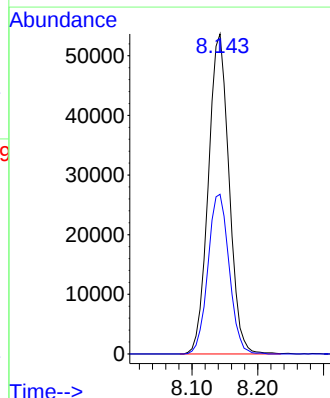
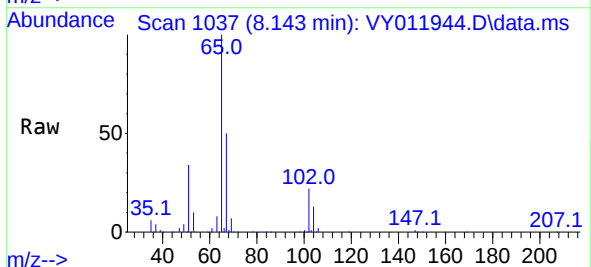
Instrument :
MSVOA_Y
ClientSampleId :
FVSUB-TP3-COMP-04

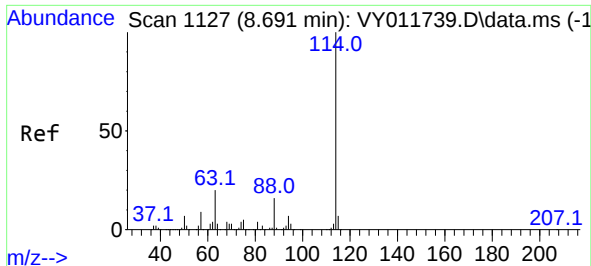
Tgt Ion: 56 Resp: 3805
Ion Ratio Lower Upper
56 100
69 205.7 29.2 43.8#
84 141.2 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 59.746 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY011944.D
Acq: 21 Dec 2022 14:13

Tgt Ion: 65 Resp: 117547
Ion Ratio Lower Upper
65 100
67 51.1 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011944.D

Acq: 21 Dec 2022 14:13

Instrument :

MSVOA_Y

ClientSampleId :

FVSUB-TP3-COMP-04

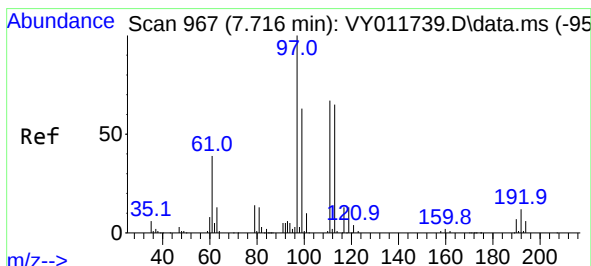
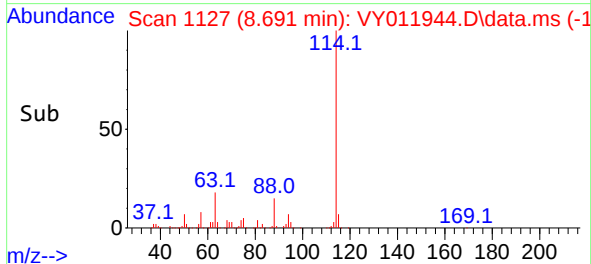
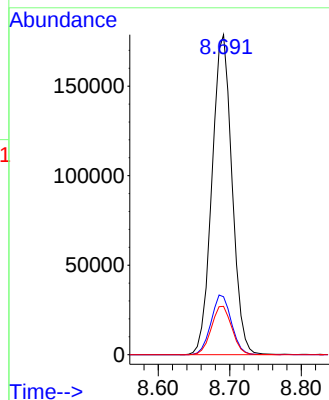
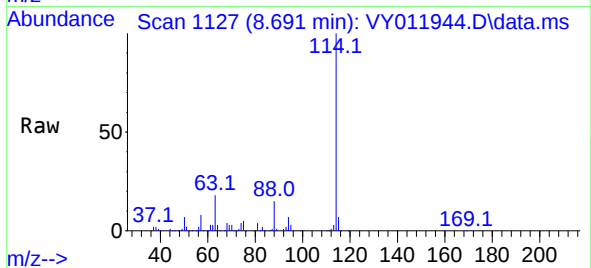
Tgt Ion:114 Resp: 347440

Ion Ratio Lower Upper

114 100

63 18.1 0.0 39.6

88 15.1 0.0 32.2



#35

Dibromofluoromethane

Concen: 52.059 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011944.D

Acq: 21 Dec 2022 14:13

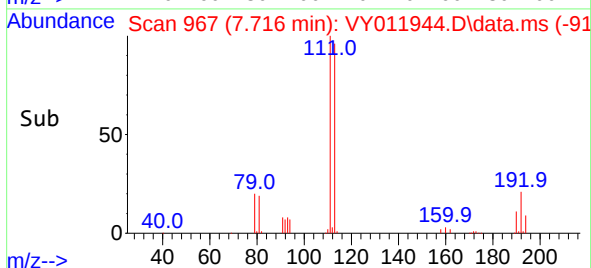
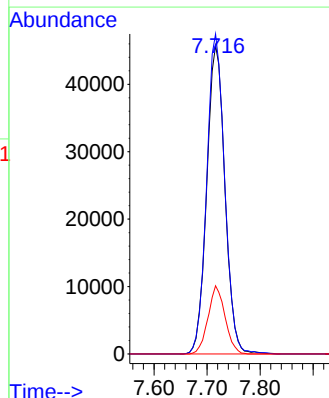
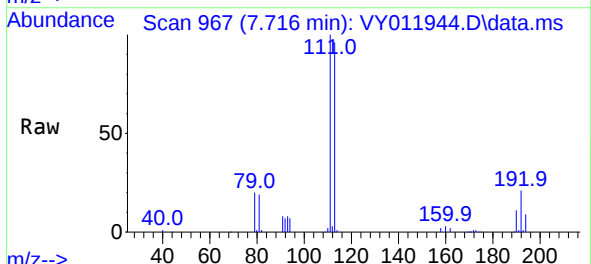
Tgt Ion:113 Resp: 108892

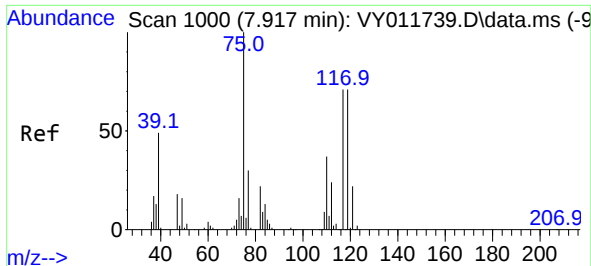
Ion Ratio Lower Upper

113 100

111 102.5 83.0 124.4

192 20.7 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.307 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY011944.D

Acq: 21 Dec 2022 14:13

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FVSUB-TP3-COMP-04

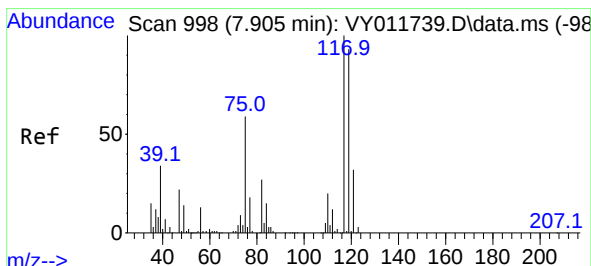
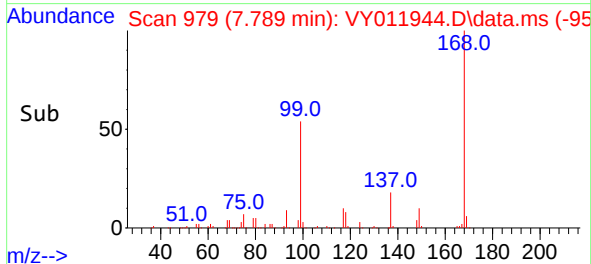
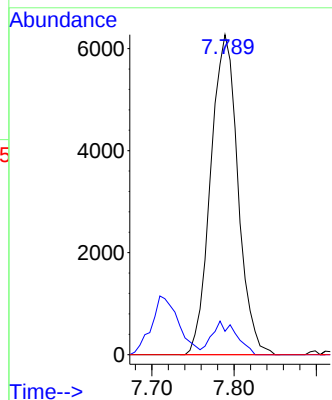
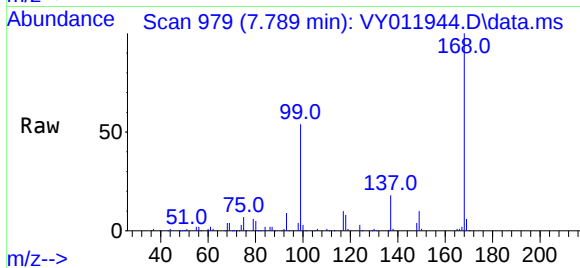
Tgt Ion: 75 Resp: 14452

Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.123 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011944.D

Acq: 21 Dec 2022 14:13

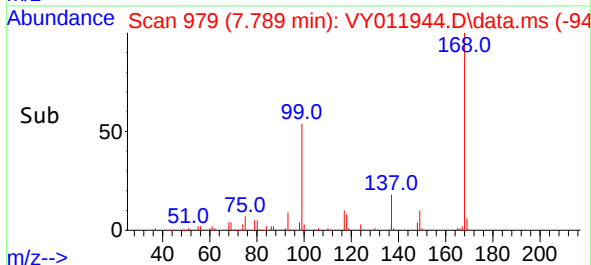
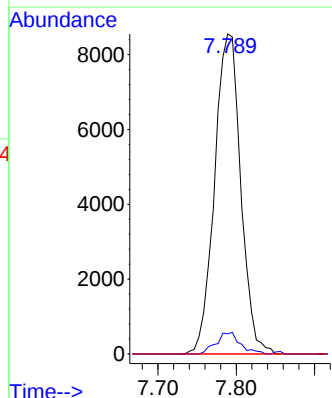
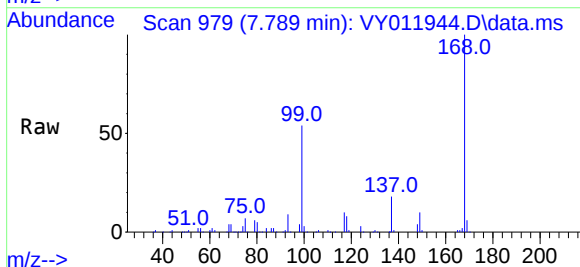
Tgt Ion: 117 Resp: 19853

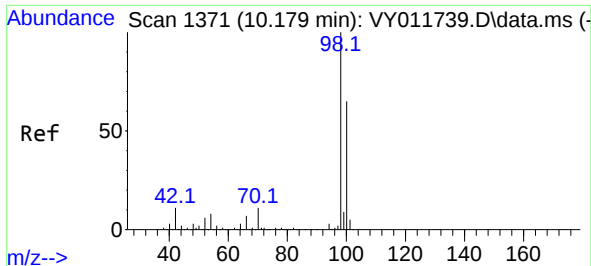
Ion Ratio Lower Upper

117 100

119 6.3 73.8 110.8#

121 0.0 25.2 37.8#

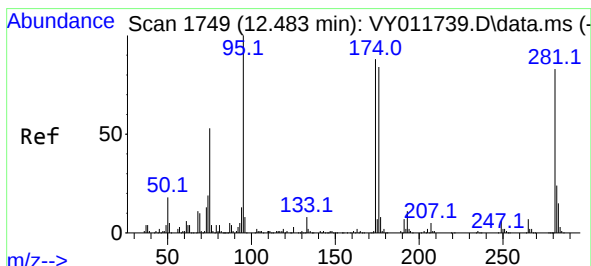
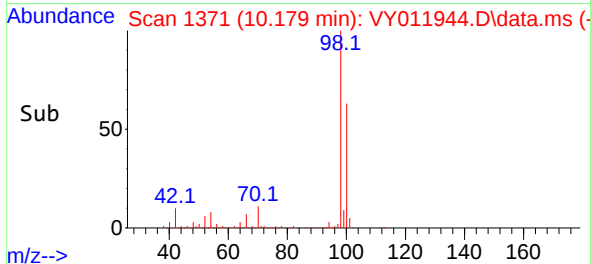
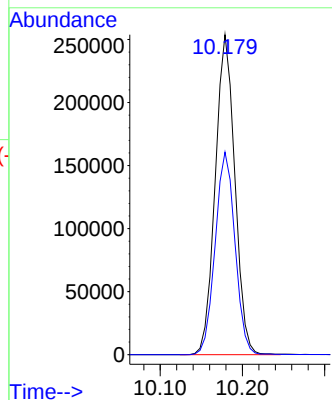
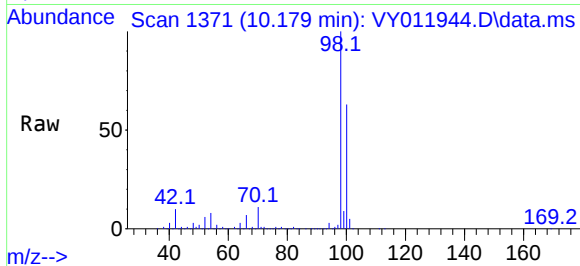




#50
Toluene-d8
Concen: 49.596 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011944.D
Acq: 21 Dec 2022 14:13

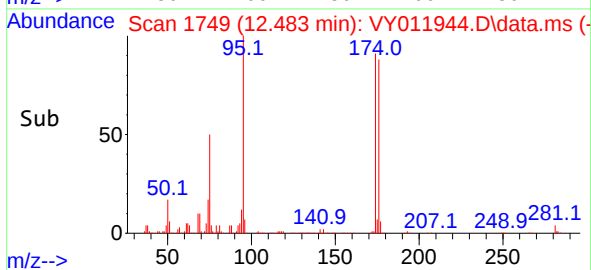
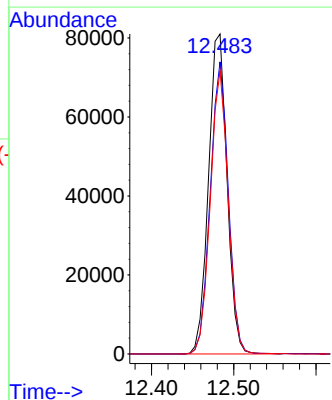
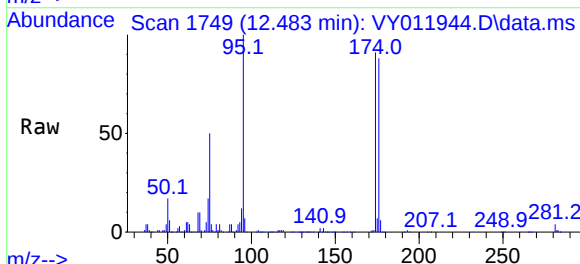
Instrument :
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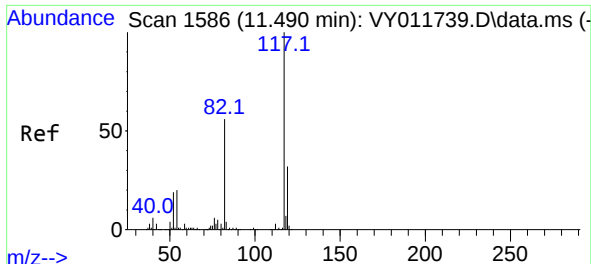
Tgt Ion: 98 Resp: 420897
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 44.515 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011944.D
Acq: 21 Dec 2022 14:13

Tgt Ion: 95 Resp: 127053
Ion Ratio Lower Upper
95 100
174 89.1 0.0 172.0
176 85.2 0.0 167.6

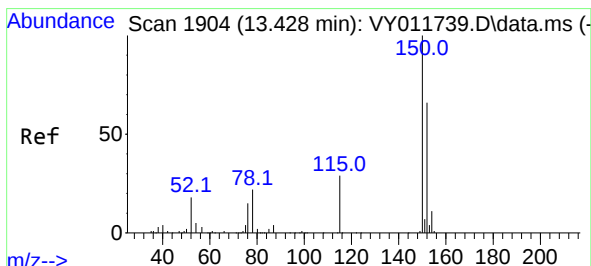
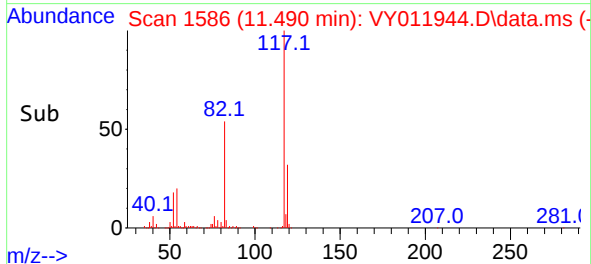
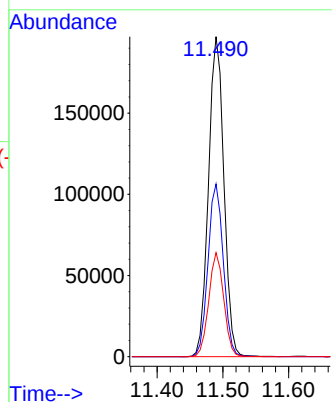
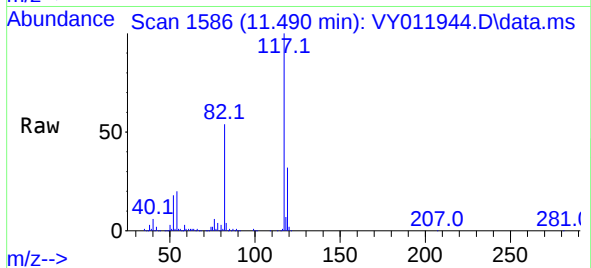




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY011944.D
Acq: 21 Dec 2022 14:13

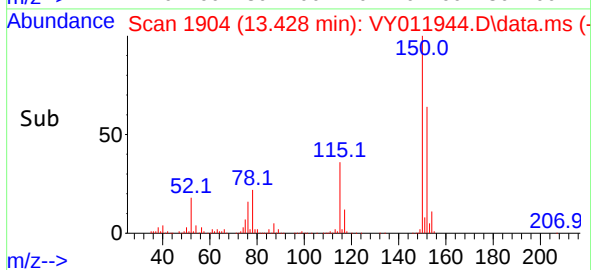
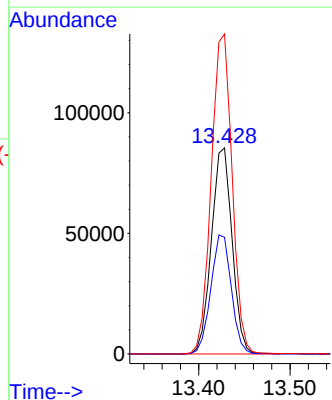
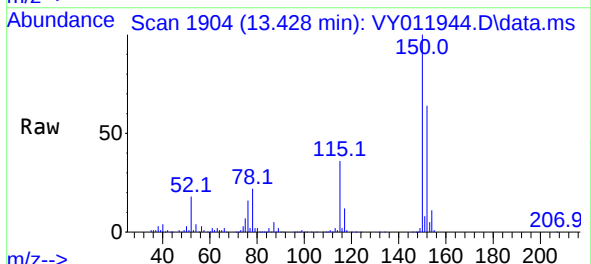
Instrument :
MSVOA_Y
ClientSampleId :
FVSUB-TP3-COMP-04

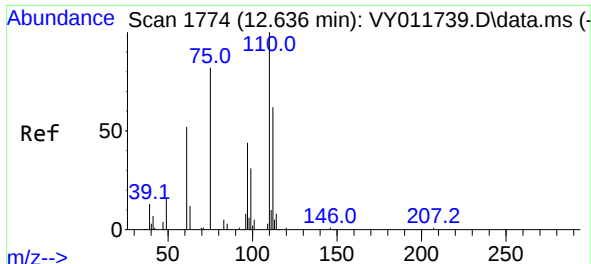
Tgt Ion:117 Resp: 321408
Ion Ratio Lower Upper
117 100
82 54.0 44.8 67.2
119 32.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011944.D
Acq: 21 Dec 2022 14:13

Tgt Ion:152 Resp: 134449
Ion Ratio Lower Upper
152 100
115 57.2 29.1 87.3
150 157.0 0.0 342.6

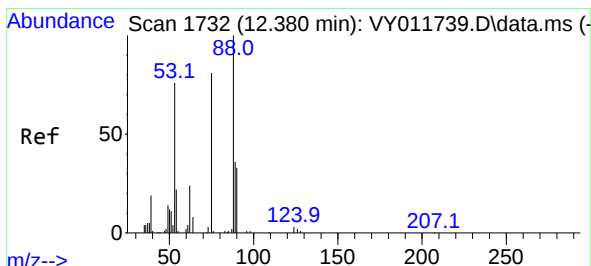
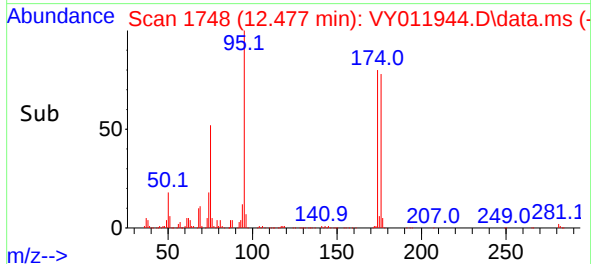
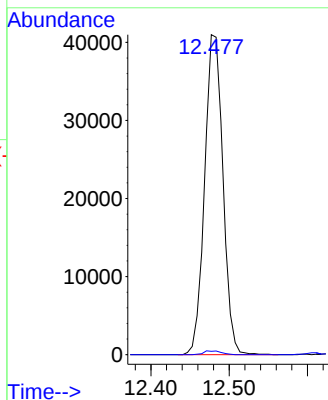
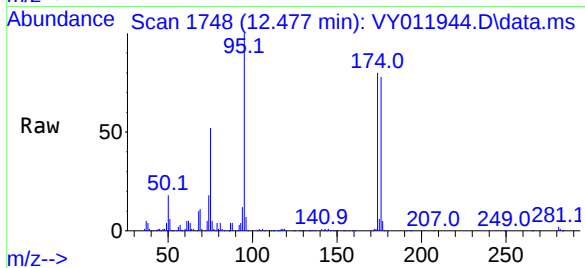




#76
1,2,3-Trichloropropane
Concen: 39.719 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY011944.D
Acq: 21 Dec 2022 14:13

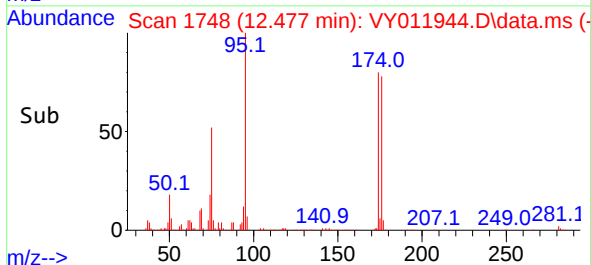
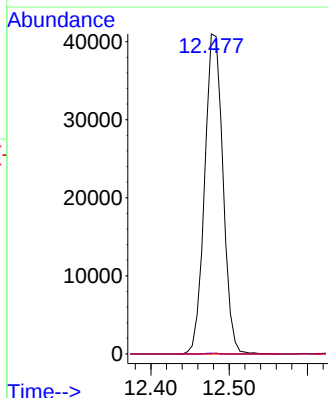
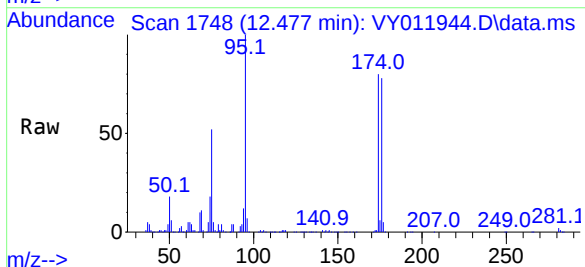
Instrument :
MSVOA_Y
ClientSampleId :
FVSUB-TP3-COMP-04

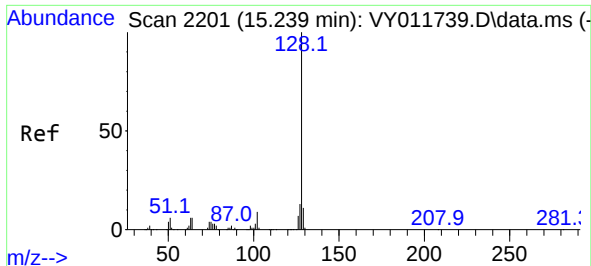
Tgt Ion: 75 Resp: 66450
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 108.771 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY011944.D
Acq: 21 Dec 2022 14:13

Tgt Ion: 75 Resp: 66450
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.1 37.0 55.4#





#95

Naphthalene

Concen: 2.951 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY011944.D

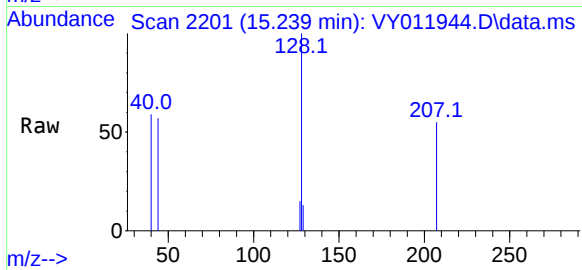
Acq: 21 Dec 2022 14:13

Instrument :

MSVOA_Y

ClientSampleId :

FVSUB-TP3-COMP-04



Tgt Ion:	128	Resp:	905
Ion	Ratio	Lower	Upper
128	100		
127	8.5	10.2	15.2#
129	10.3	8.8	13.2

