

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122022\
 Data File : VY011928.D
 Acq On : 20 Dec 2022 17:33
 Operator : KP/MD
 Sample : N6071-01
 Misc : 5.75g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 FVSUB-TP8-COMP-08

Quant Time: Dec 21 00:10:13 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)

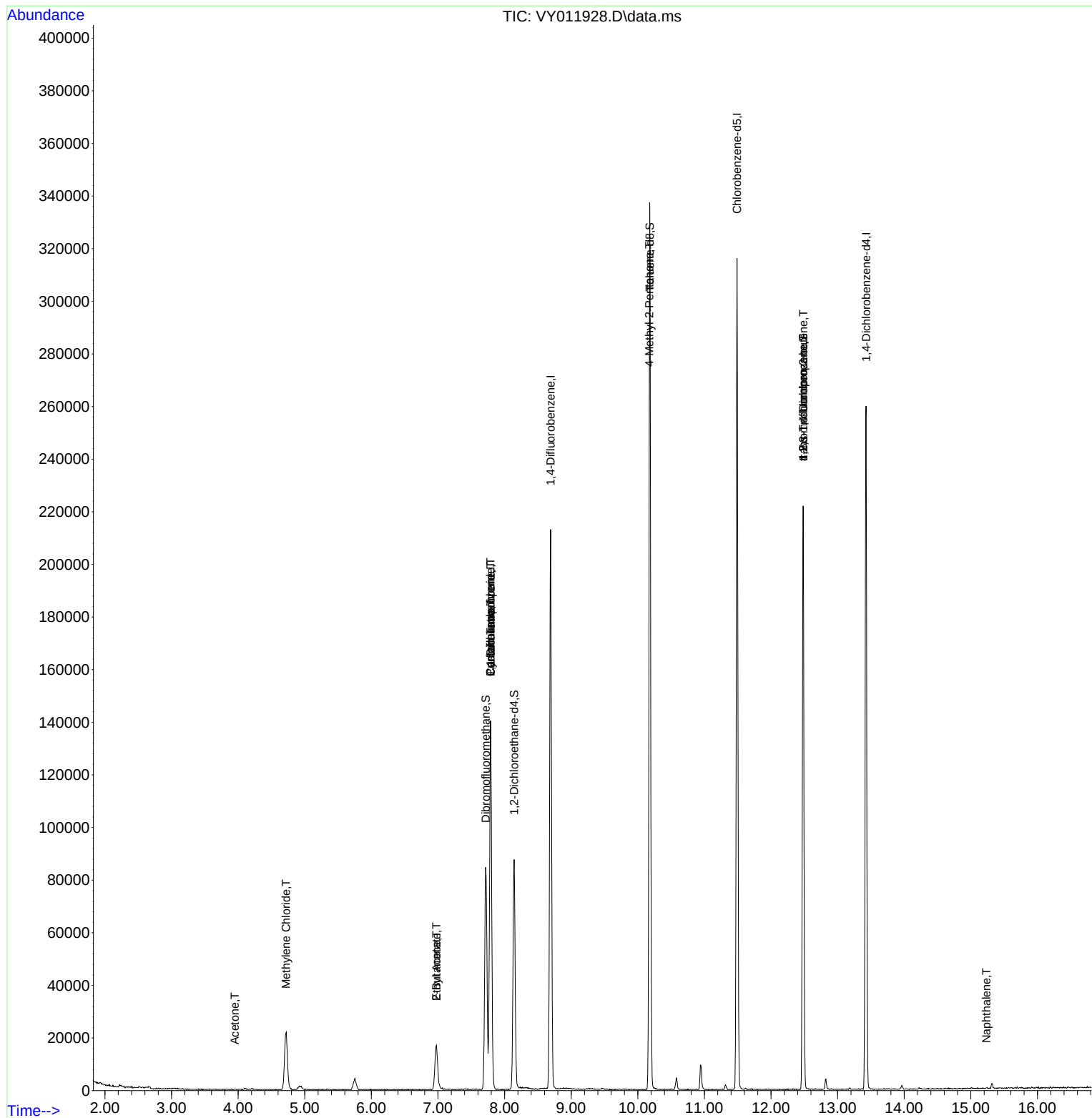
Internal Standards						
1) Pentafluorobenzene	7.789	168	106938	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	181369	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	173825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	71206	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	70788	65.704	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	131.400%
35) Dibromofluoromethane	7.716	113	60622	55.520	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.040%
50) Toluene-d8	10.179	98	219632	49.578	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.160%
62) 4-Bromofluorobenzene	12.483	95	66520	44.647	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	89.300%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	1782	Below Cal	#	74
16) Acetone	3.948	43	127	5.262	ug/l #	40
20) Methylene Chloride	4.716	84	17114	8.846	ug/l	98
25) 2-Butanone	6.978	43	790	2.201	ug/l #	46
31) Cyclohexane	7.789	56	2008	1.107	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	7767	4.435	ug/l #	44
37) Ethyl Acetate	6.978	43	790	1.005	ug/l #	1
38) Carbon Tetrachloride	7.789	117	10773	5.326	ug/l #	16
51) 4-Methyl-2-Pentanone	10.173	43	825	1.078	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	34239	38.643	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	34239	105.823	ug/l #	13
95) Naphthalene	15.233	128	299	2.886	ug/l #	69

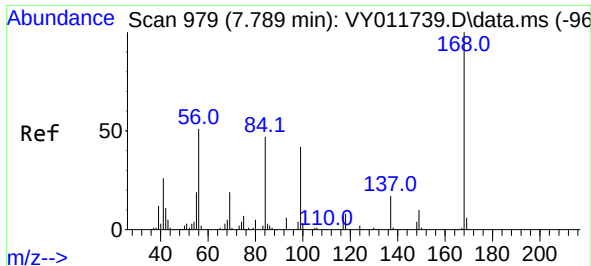
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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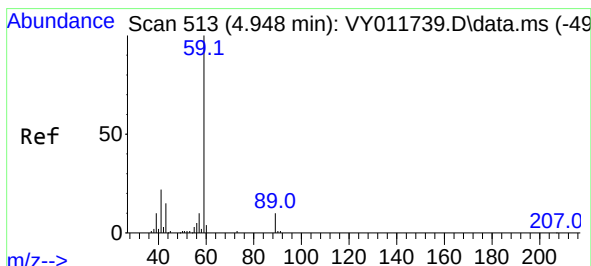
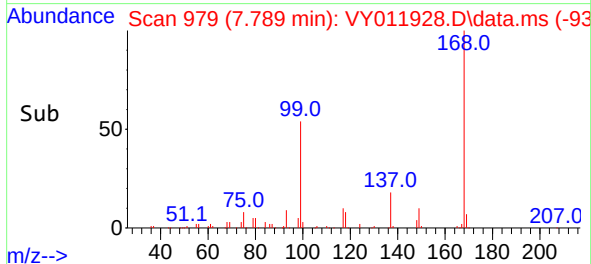
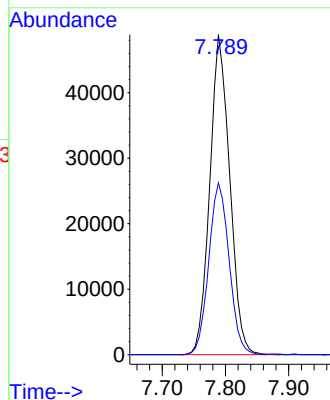
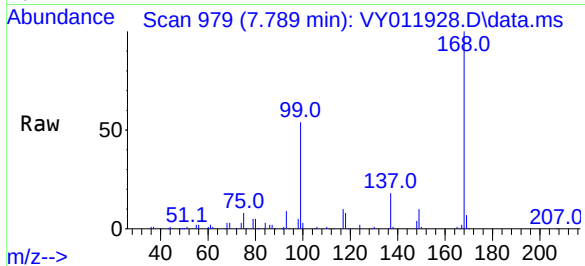




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011928.D
Acq: 20 Dec 2022 17:33

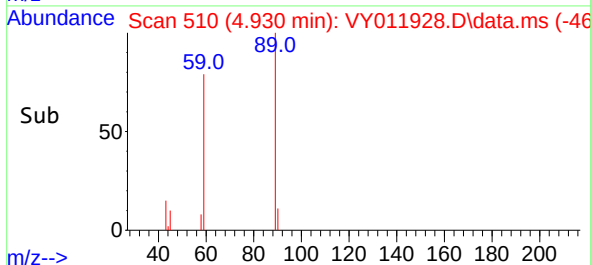
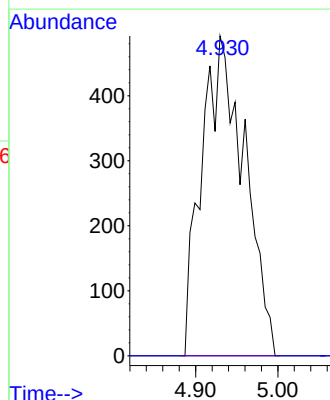
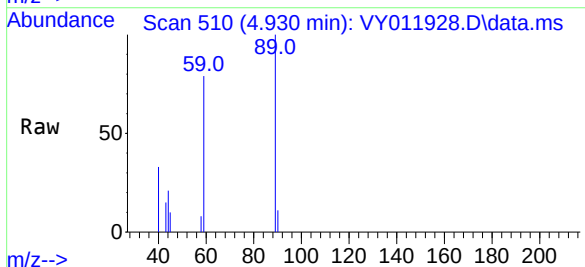
Instrument :
MSVOA_Y
ClientSampleId :
FVSUB-TP8-COMP-08

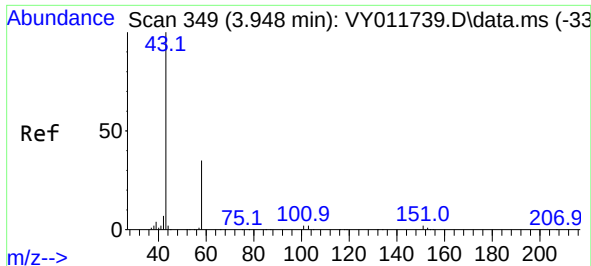
Tgt Ion:168 Resp: 106938
Ion Ratio Lower Upper
168 100
99 53.7 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.018 min
Lab File: VY011928.D
Acq: 20 Dec 2022 17:33

Tgt Ion: 59 Resp: 1782
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

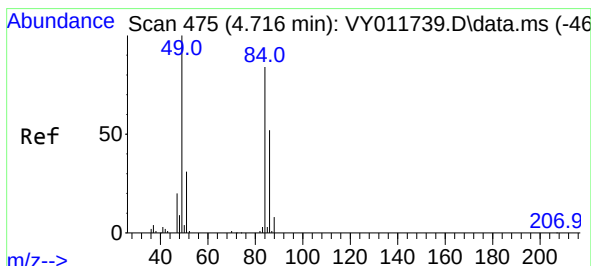
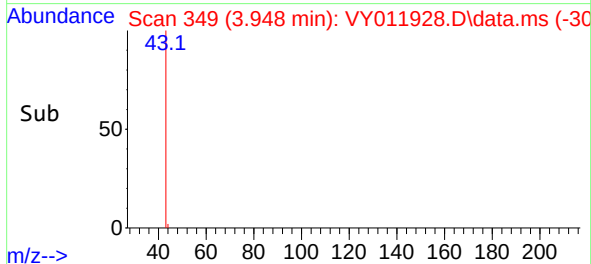
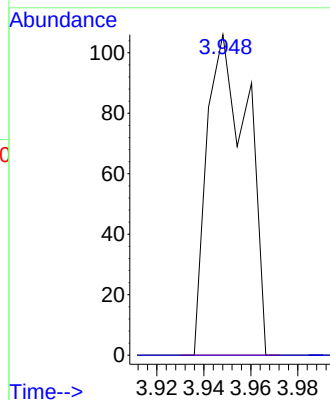
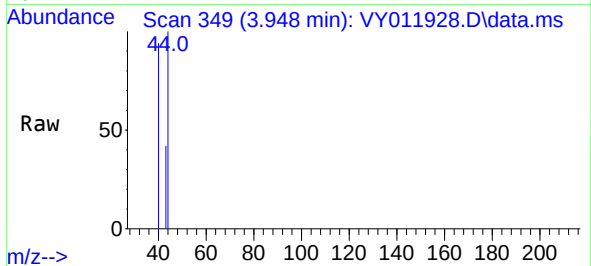




#16
Acetone
Concen: 5.262 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY011928.D
Acq: 20 Dec 2022 17:33

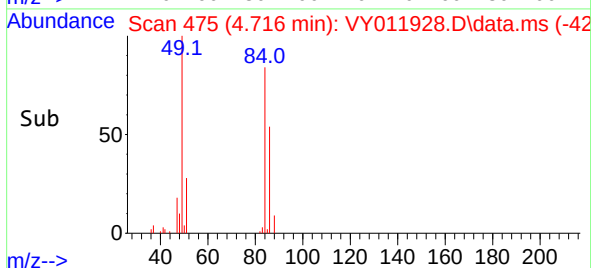
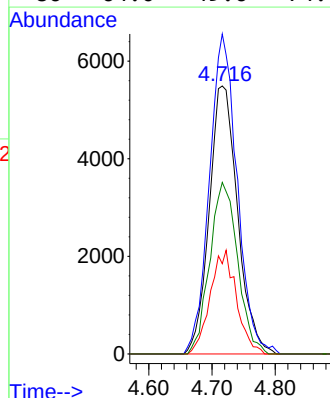
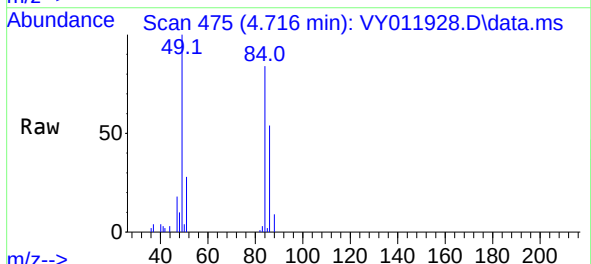
Instrument :
MSVOA_Y
ClientSampleId :
FVSUB-TP8-COMP-08

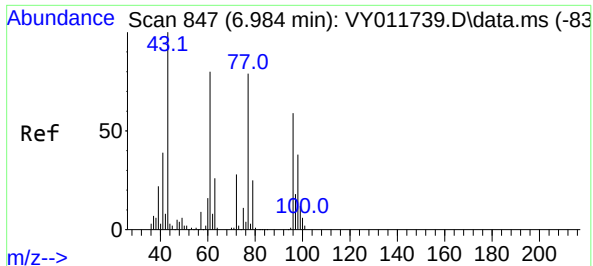
Tgt Ion: 43 Resp: 127
Ion Ratio Lower Upper
43 100
58 0.0 27.9 41.9#



#20
Methylene Chloride
Concen: 8.846 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011928.D
Acq: 20 Dec 2022 17:33

Tgt Ion: 84 Resp: 17114
Ion Ratio Lower Upper
84 100
49 119.4 95.4 143.2
51 33.7 29.9 44.9
86 64.0 49.6 74.4

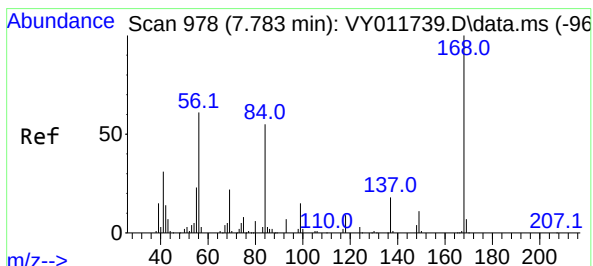
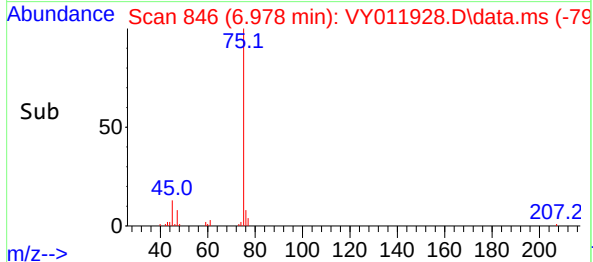
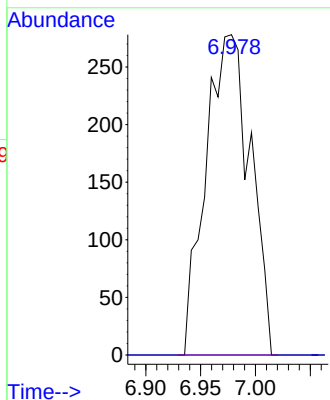
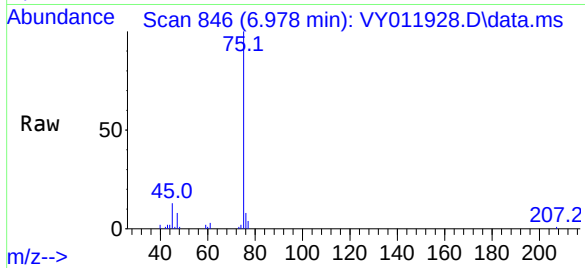




#25
2-Butanone
Concen: 2.201 ug/l
RT: 6.978 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY011928.D
Acq: 20 Dec 2022 17:33

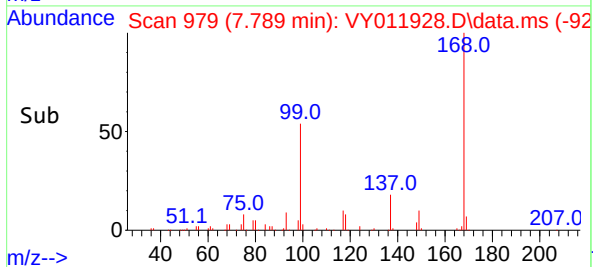
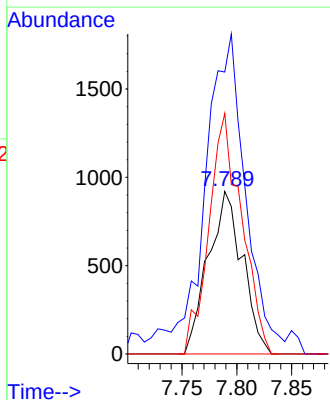
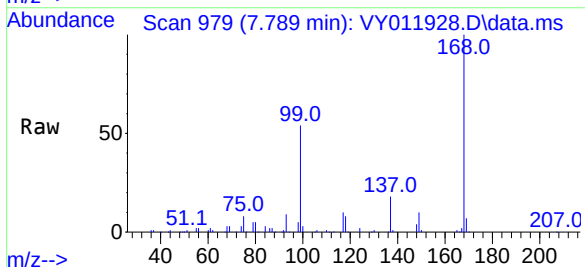
Instrument :
MSVOA_Y
ClientSampleId :
FVSUB-TP8-COMP-08

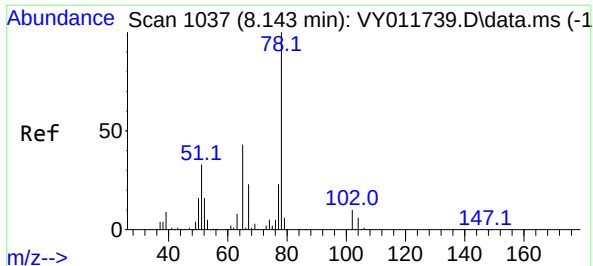
Tgt Ion: 43 Resp: 790
Ion Ratio Lower Upper
43 100
72 0.0 22.6 34.0#



#31
Cyclohexane
Concen: 1.107 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY011928.D
Acq: 20 Dec 2022 17:33

Tgt Ion: 56 Resp: 2008
Ion Ratio Lower Upper
56 100
69 161.7 29.2 43.8#
84 147.9 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 65.704 ug/l

RT: 8.142 min Scan# 1

Delta R.T. -0.001 min

Lab File: VY011928.D

Acq: 20 Dec 2022 17:33

Instrument :

MSVOA_Y

ClientSampleId :

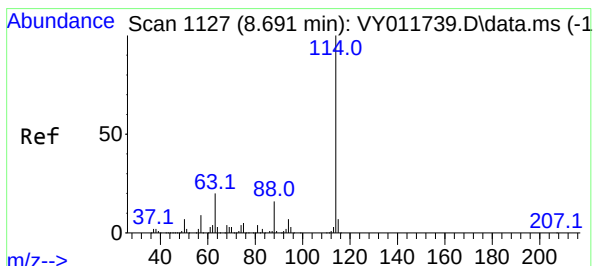
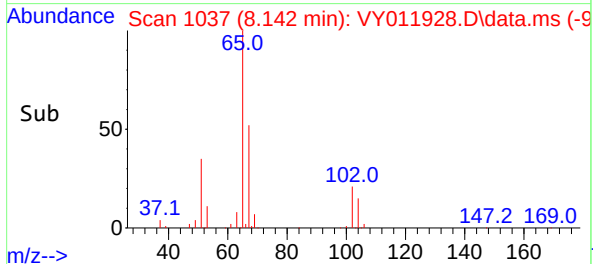
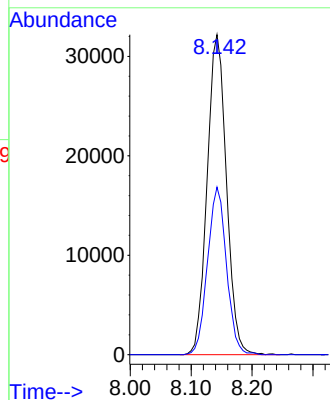
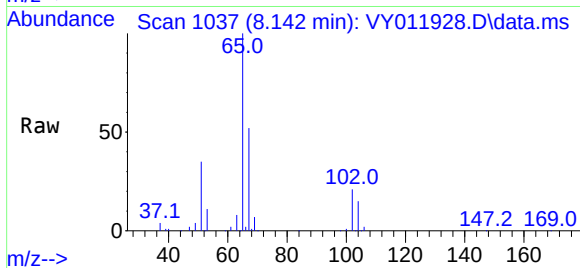
FVSUB-TP8-COMP-08

Tgt Ion: 65 Resp: 70788

Ion Ratio Lower Upper

65 100

67 51.4 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: VY011928.D

Acq: 20 Dec 2022 17:33

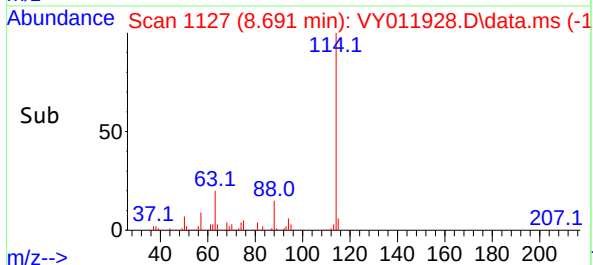
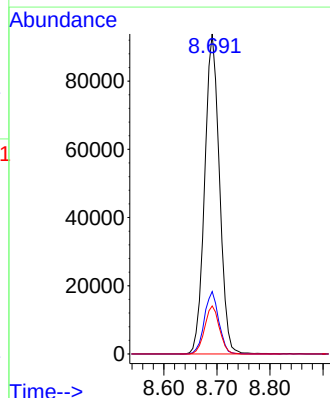
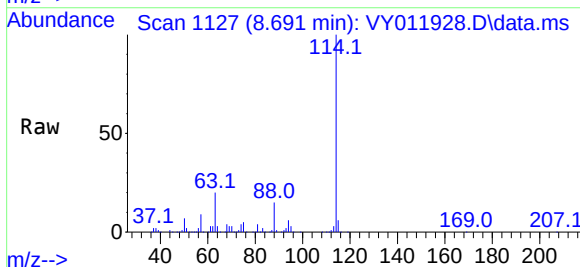
Tgt Ion:114 Resp: 181369

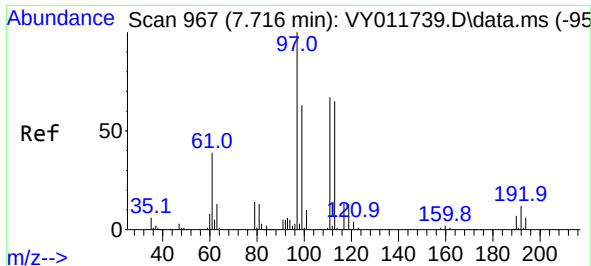
Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.6

88 15.0 0.0 32.2

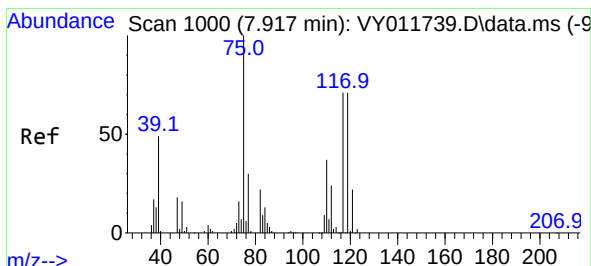
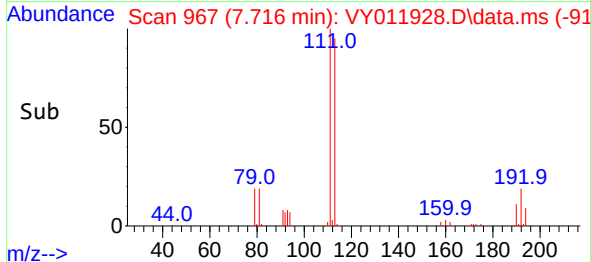
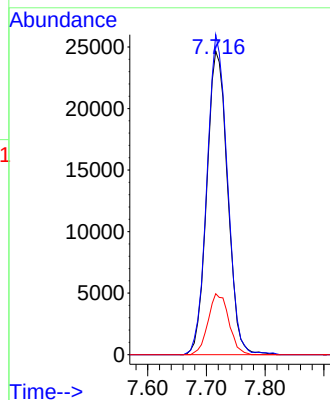
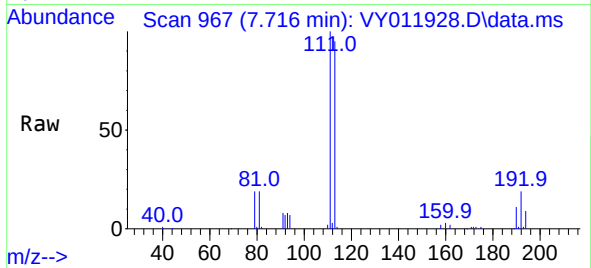




#35
Dibromofluoromethane
Concen: 55.520 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY011928.D
Acq: 20 Dec 2022 17:33

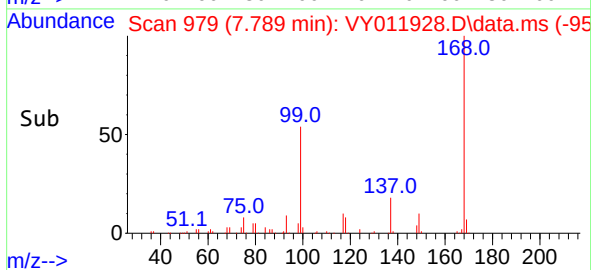
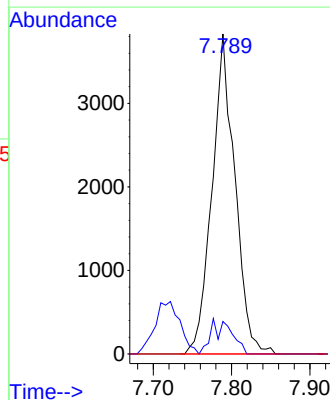
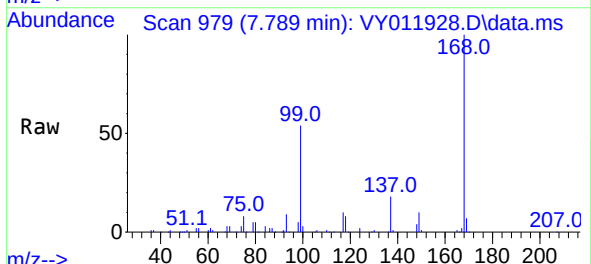
Instrument :
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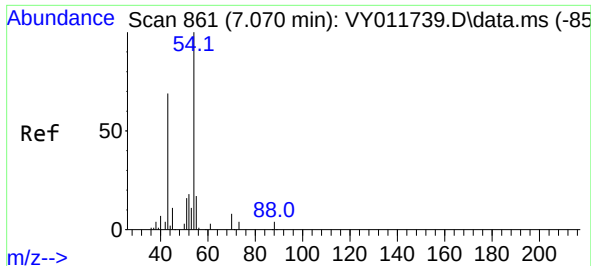
Tgt Ion:	113	Resp:	60622
Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.0	124.4
192	19.9	16.0	24.0



#36
1,1-Dichloropropene
Concen: 4.435 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011928.D
Acq: 20 Dec 2022 17:33

Tgt Ion:	75	Resp:	7767
Ion	Ratio	Lower	Upper
75	100		
110	3.9	18.1	54.1#
77	0.0	25.1	37.7#





#37

Ethyl Acetate

Concen: 1.005 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.092 min

Lab File: VY011928.D

Acq: 20 Dec 2022 17:33

Instrument :

MSVOA_Y

ClientSampleId :

FVSUB-TP8-COMP-08

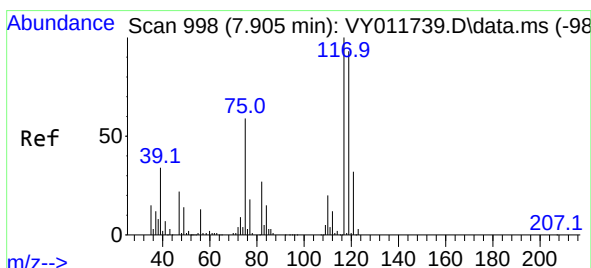
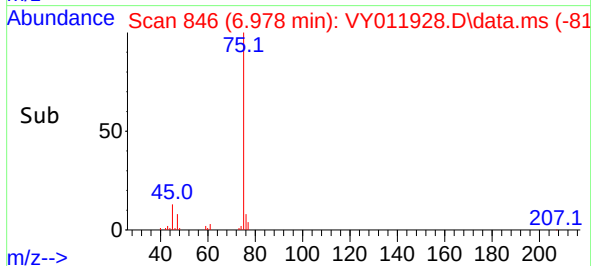
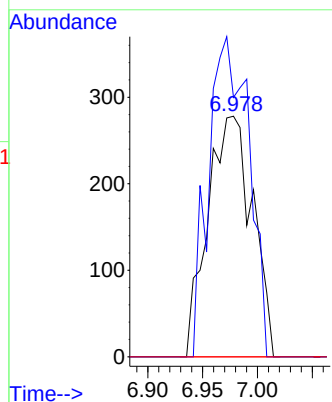
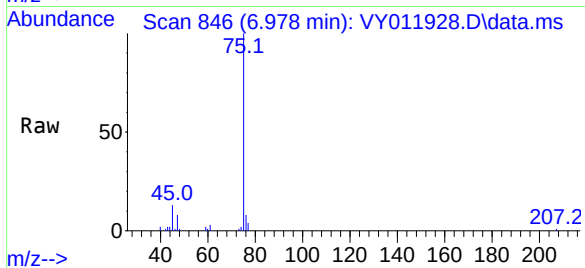
Tgt Ion: 43 Resp: 790

Ion Ratio Lower Upper

43 100

61 119.4 11.3 16.9#

70 0.0 8.2 12.4#



#38

Carbon Tetrachloride

Concen: 5.326 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011928.D

Acq: 20 Dec 2022 17:33

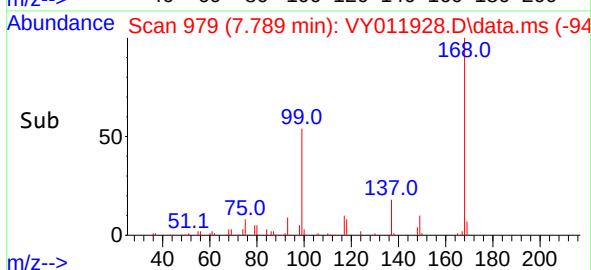
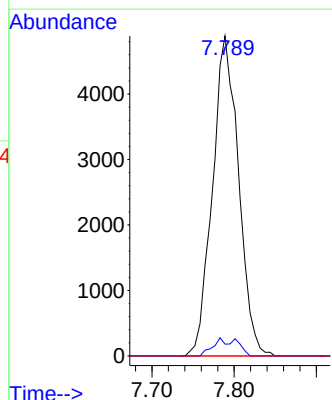
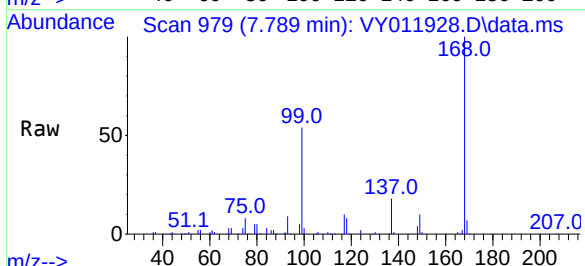
Tgt Ion: 117 Resp: 10773

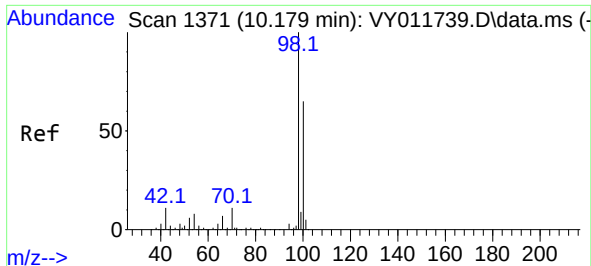
Ion Ratio Lower Upper

117 100

119 3.7 73.8 110.8#

121 0.0 25.2 37.8#

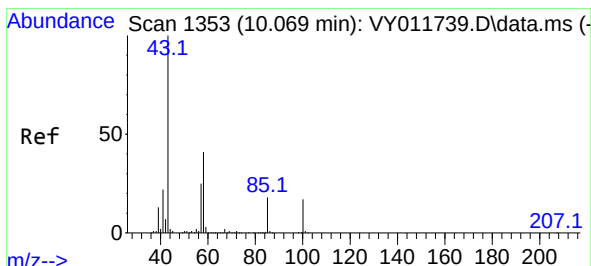
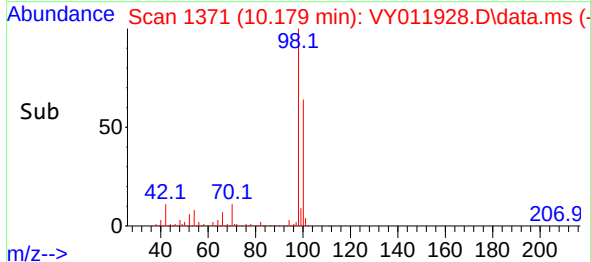
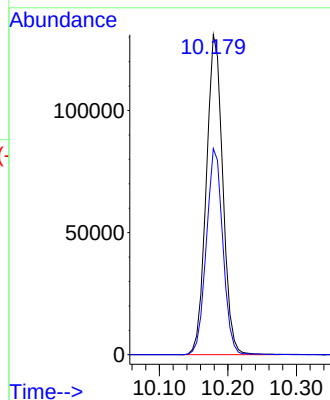
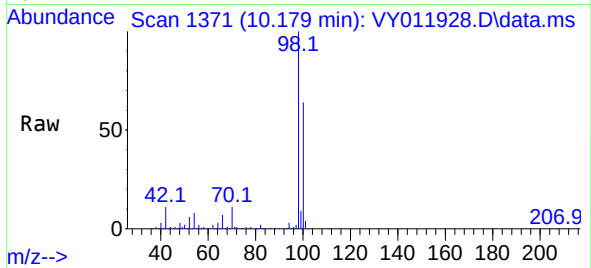




#50
Toluene-d8
Concen: 49.578 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011928.D
Acq: 20 Dec 2022 17:33

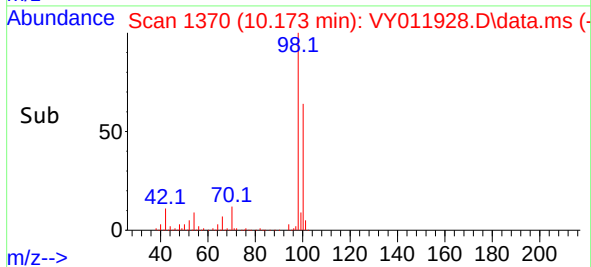
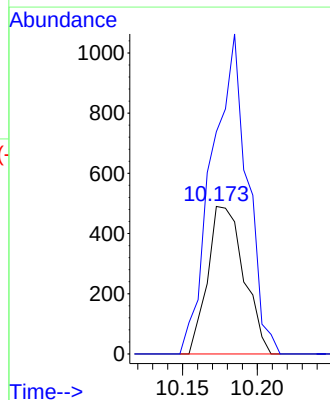
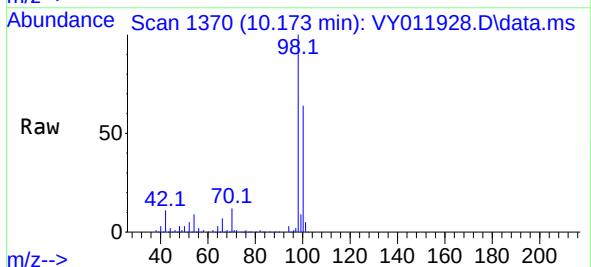
Instrument :
MSVOA_Y
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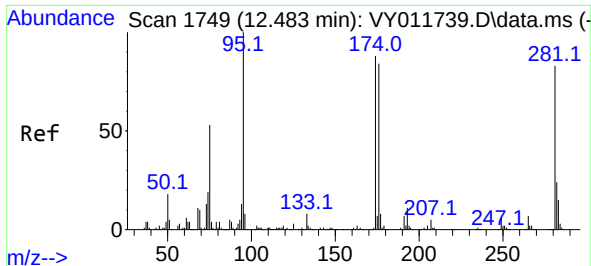
Tgt Ion: 98 Resp: 219632
Ion Ratio Lower Upper
98 100
100 64.5 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 1.078 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. 0.103 min
Lab File: VY011928.D
Acq: 20 Dec 2022 17:33

Tgt Ion: 43 Resp: 825
Ion Ratio Lower Upper
43 100
58 213.0 32.9 49.3#

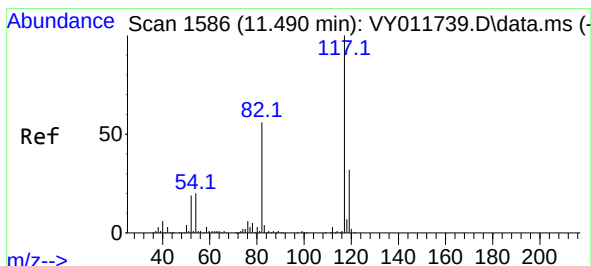
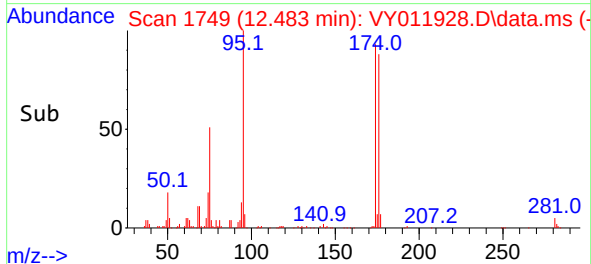
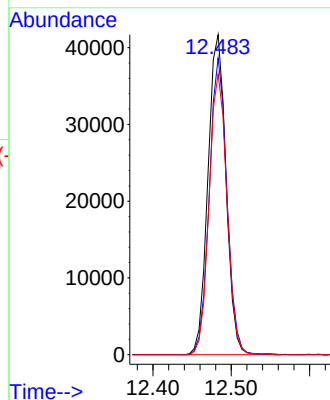
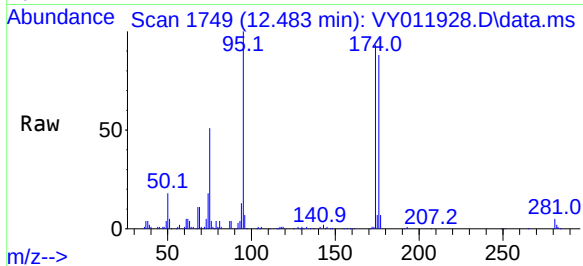




#62
4-Bromofluorobenzene
Concen: 44.647 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011928.D
Acq: 20 Dec 2022 17:33

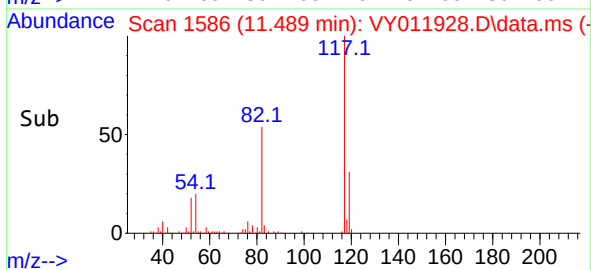
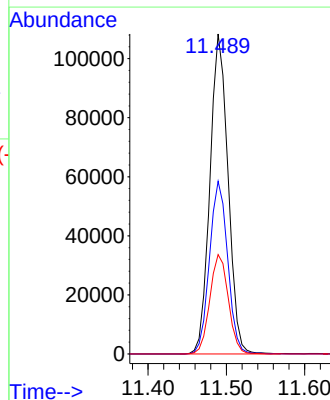
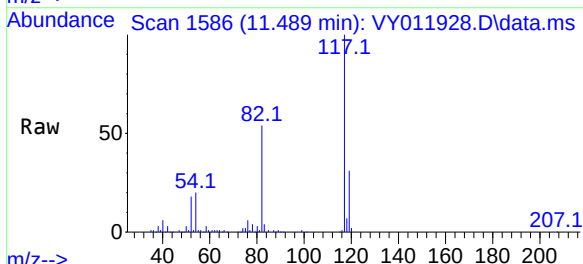
Instrument :
MSVOA_Y
ClientSampleId :
FVSUB-TP8-COMP-08

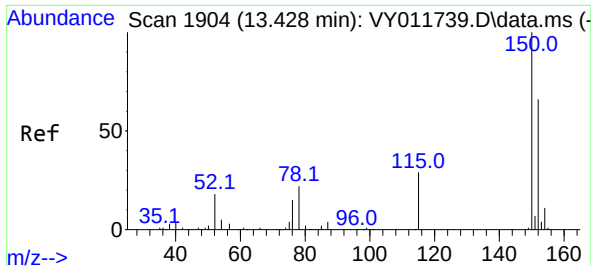
Tgt Ion: 95 Resp: 66520
Ion Ratio Lower Upper
95 100
174 90.8 0.0 172.0
176 86.8 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011928.D
Acq: 20 Dec 2022 17:33

Tgt Ion: 117 Resp: 173825
Ion Ratio Lower Upper
117 100
82 53.9 44.8 67.2
119 31.0 25.4 38.2

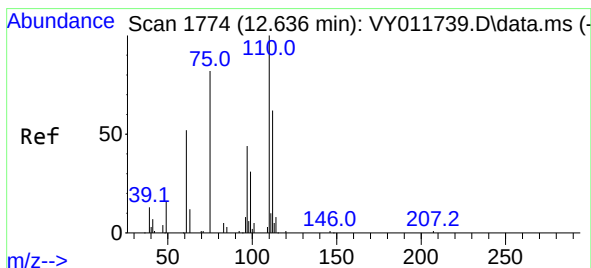
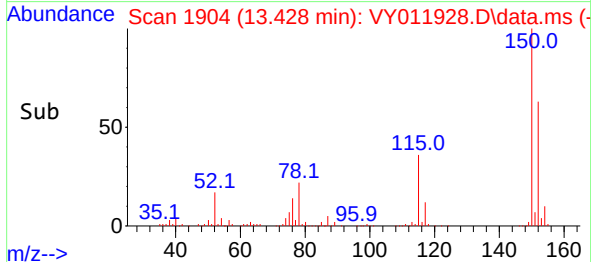
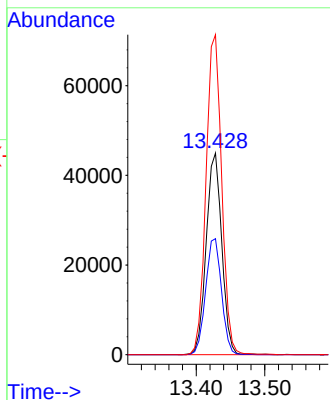
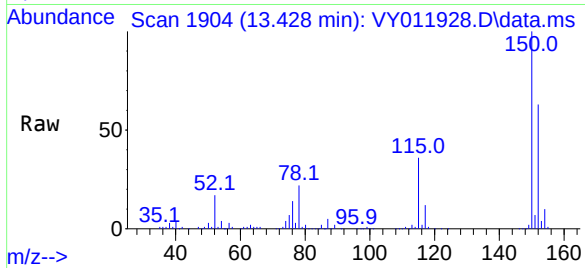




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY011928.D
 Acq: 20 Dec 2022 17:33

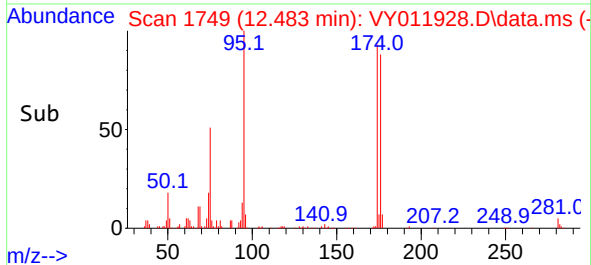
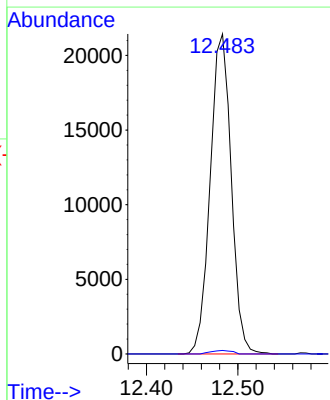
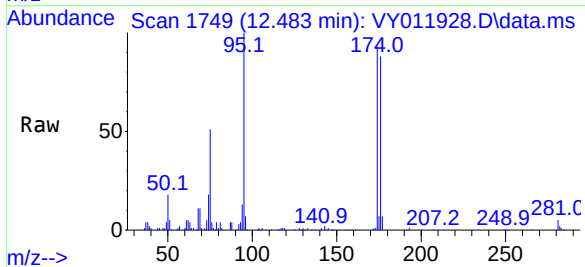
Instrument :
 MSVOA_Y
 ClientSampleId :
 FVSUB-TP8-COMP-08

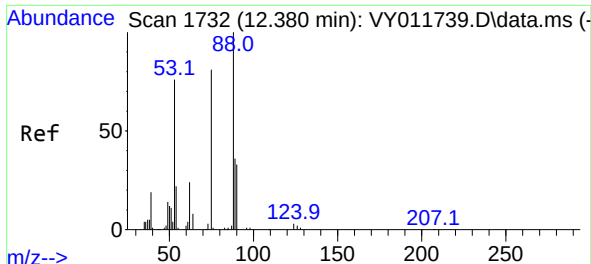
Tgt Ion:152 Resp: 71206
 Ion Ratio Lower Upper
 152 100
 115 58.7 29.1 87.3
 150 159.3 0.0 342.6



#76
 1,2,3-Trichloropropane
 Concen: 38.643 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY011928.D
 Acq: 20 Dec 2022 17:33

Tgt Ion: 75 Resp: 34239
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#

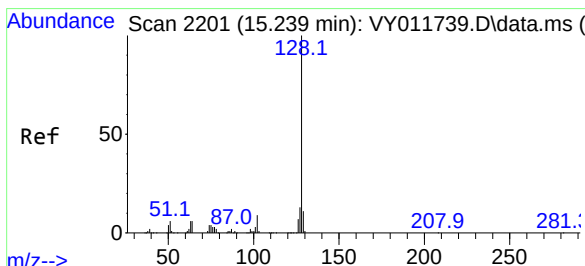
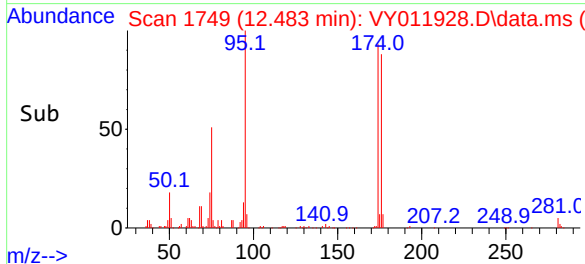
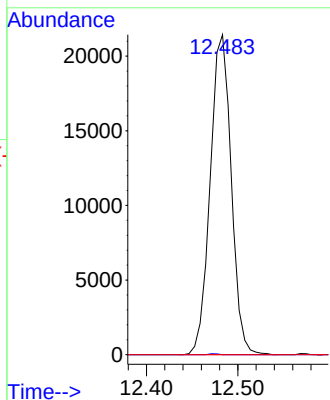
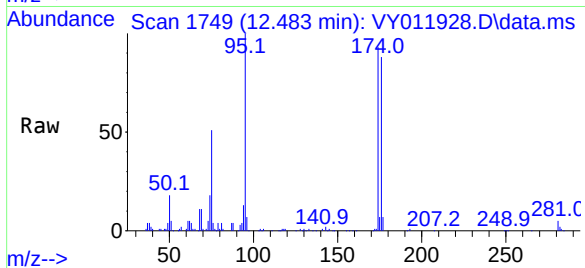




#81
trans-1,4-Dichloro-2-butene
Concen: 105.823 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY011928.D
Acq: 20 Dec 2022 17:33

Instrument :
MSVOA_Y
ClientSampleId :
FVSUB-TP8-COMP-08

Tgt Ion: 75 Resp: 34239
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 2.886 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY011928.D
Acq: 20 Dec 2022 17:33

Tgt Ion:128 Resp: 299
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.8 13.2#

