

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122122\
 Data File : VY011945.D
 Acq On : 21 Dec 2022 14:36
 Operator : KP/MD
 Sample : N6098-07
 Misc : 5.34g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 FVSUB-TP6-COMP-06

Quant Time: Dec 22 00:13:48 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)

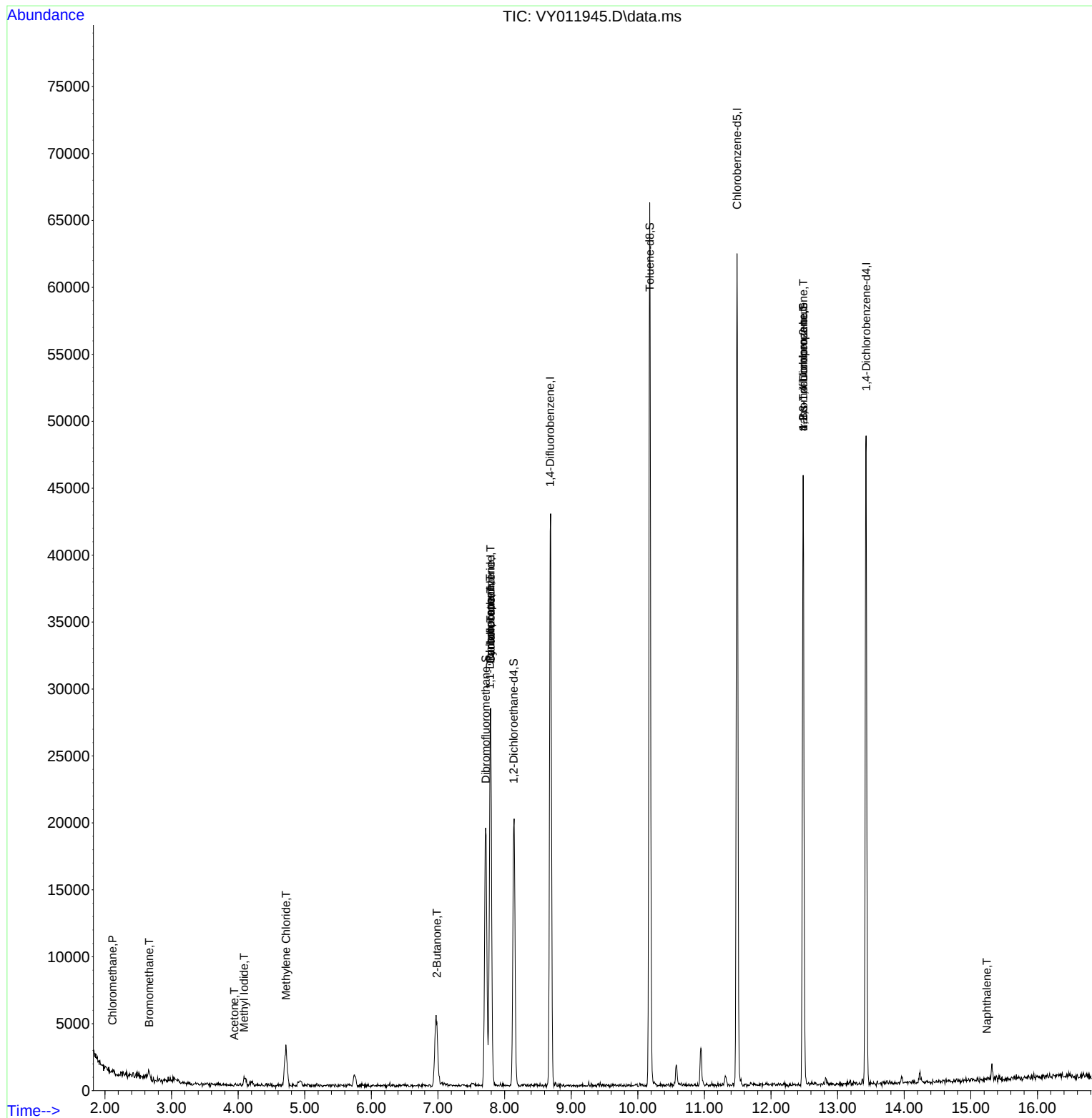
Internal Standards						
1) Pentafluorobenzene	7.789	168	22678	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	37980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	36377	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	13437	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	16703	73.106	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 146.220%			
35) Dibromofluoromethane	7.716	113	13800	60.354	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 120.700%			
50) Toluene-d8	10.179	98	45842	49.415	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.840%			
62) 4-Bromofluorobenzene	12.483	95	13116	42.038	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 84.080%			
Target Compounds						Qvalue
3) Chloromethane	2.113	50	219	1.085	ug/l #	41
5) Bromomethane	2.662	94	322	2.033	ug/l	99
10) Methyl Iodide	4.088	142	851	2.868	ug/l #	93
11) Tert butyl alcohol	4.936	59	267	Below Cal	#	74
16) Acetone	3.942	43	51	5.607	ug/l #	40
20) Methylene Chloride	4.716	84	2196	2.646	ug/l	89
25) 2-Butanone	6.984	43	136	1.787	ug/l #	46
31) Cyclohexane	7.789	56	398	1.035	ug/l #	27
36) 1,1-Dichloropropene	7.783	75	1835	5.003	ug/l #	42
38) Carbon Tetrachloride	7.789	117	2369	5.593	ug/l #	20
76) 1,2,3-Trichloropropane	12.483	75	6846	40.945	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	6846	112.127	ug/l #	13
95) Naphthalene	15.239	128	160	3.084	ug/l #	69

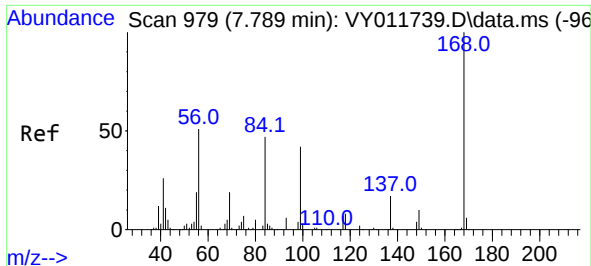
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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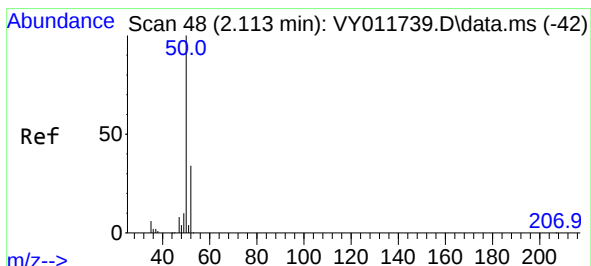
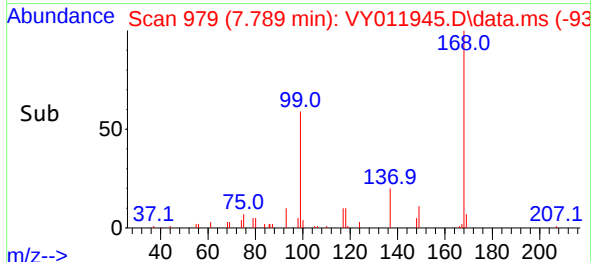
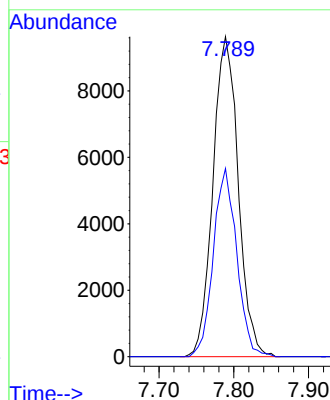
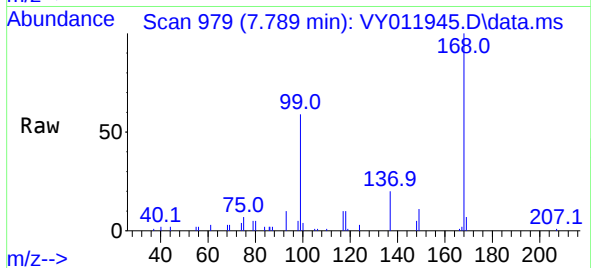




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011945.D
Acq: 21 Dec 2022 14:36

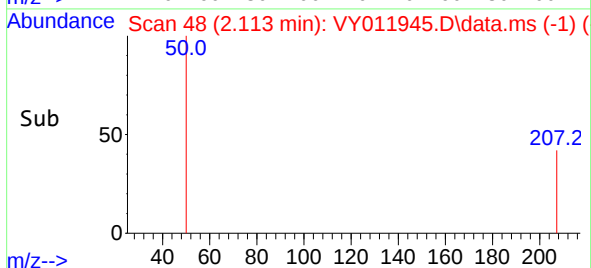
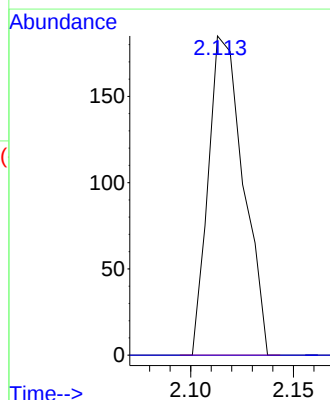
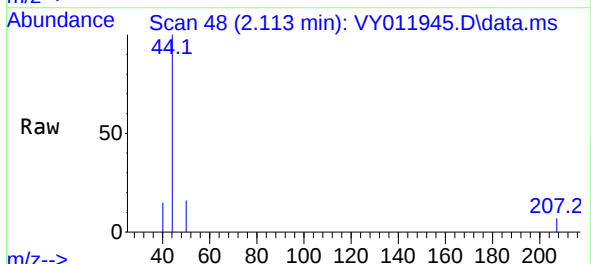
Instrument :
MSVOA_Y
ClientSampleId :
FVSUB-TP6-COMP-06

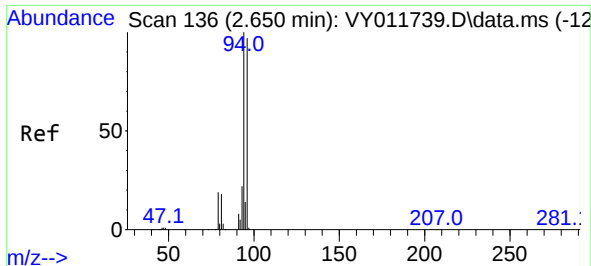
Tgt Ion:168 Resp: 22678
Ion Ratio Lower Upper
168 100
99 58.8 44.0 66.0



#3
Chloromethane
Concen: 1.085 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY011945.D
Acq: 21 Dec 2022 14:36

Tgt Ion: 50 Resp: 219
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

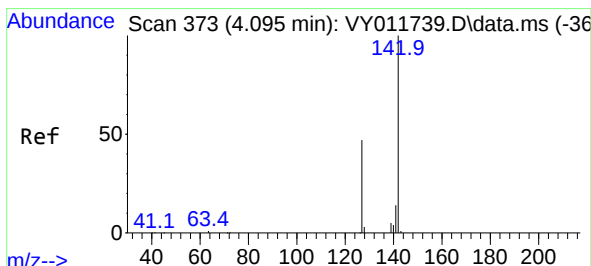
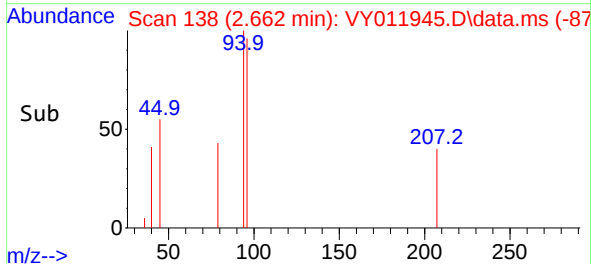
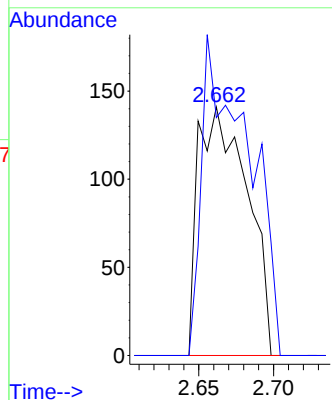
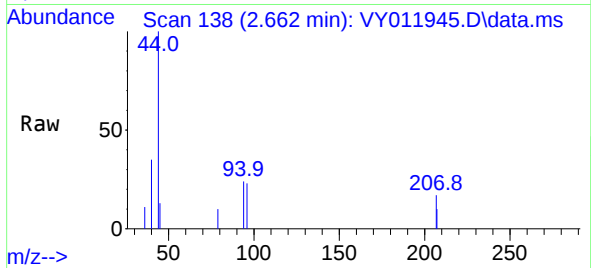




#5
Bromomethane
Concen: 2.033 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY011945.D
Acq: 21 Dec 2022 14:36

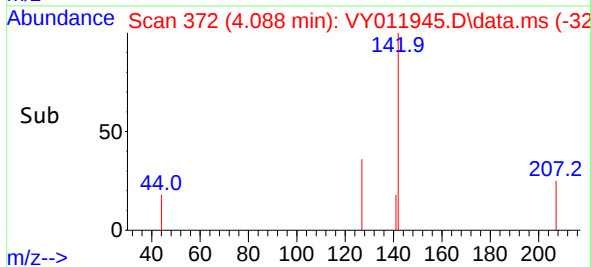
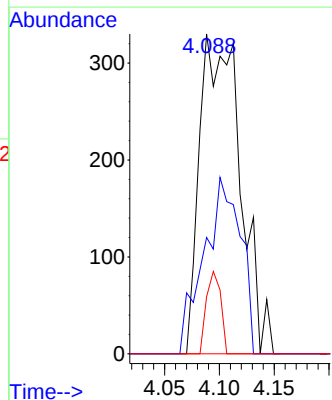
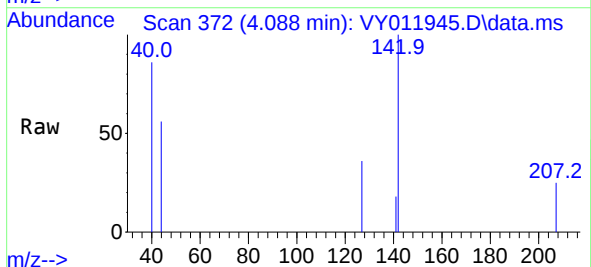
Instrument :
MSVOA_Y
ClientSampleId :
FVSUB-TP6-COMP-06

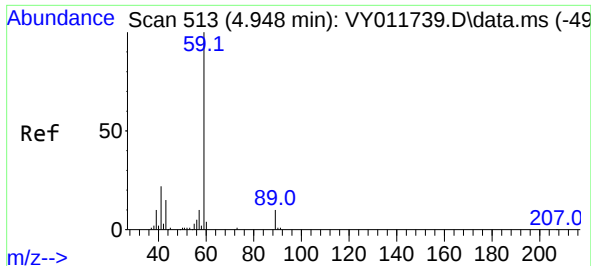
Tgt Ion: 94 Resp: 322
Ion Ratio Lower Upper
94 100
96 95.7 77.4 116.2



#10
Methyl Iodide
Concen: 2.868 ug/l
RT: 4.088 min Scan# 372
Delta R.T. -0.007 min
Lab File: VY011945.D
Acq: 21 Dec 2022 14:36

Tgt Ion:142 Resp: 851
Ion Ratio Lower Upper
142 100
127 49.7 37.0 55.4
141 9.0 11.4 17.0#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.936 min Scan# 511

Delta R.T. -0.012 min

Lab File: VY011945.D

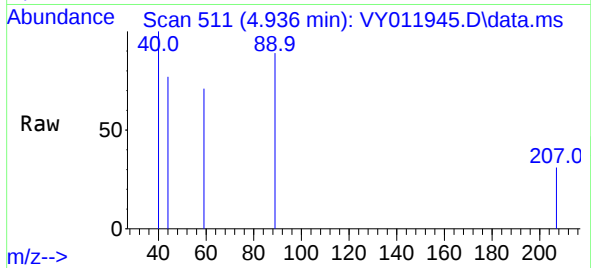
Acq: 21 Dec 2022 14:36

Instrument :

MSVOA_Y

ClientSampleId :

FVSUB-TP6-COMP-06

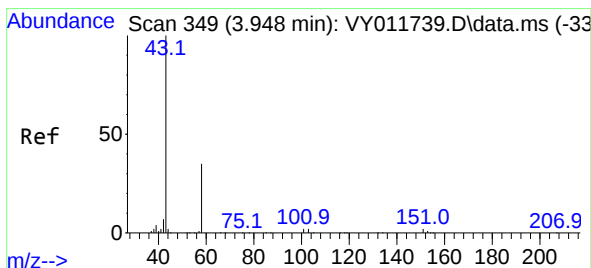
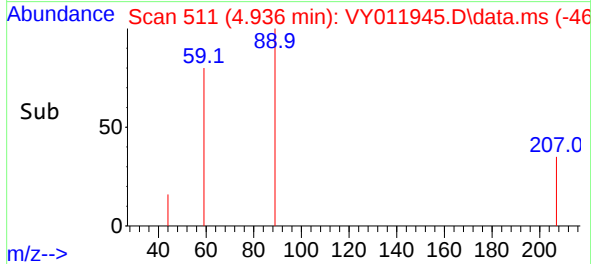
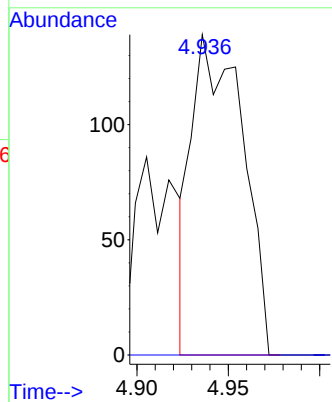


Tgt Ion: 59 Resp: 267

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#16

Acetone

Concen: 5.607 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.006 min

Lab File: VY011945.D

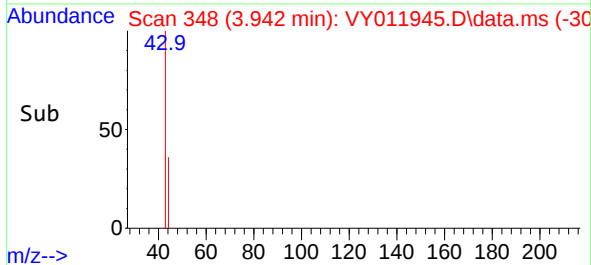
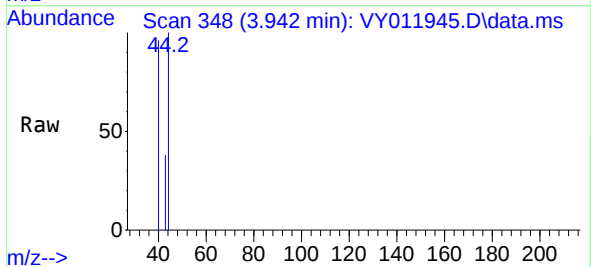
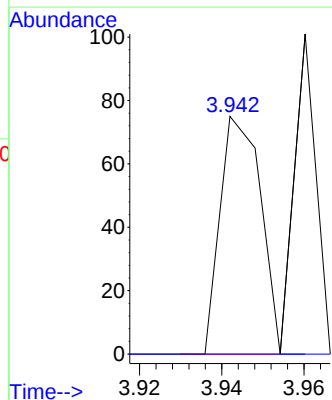
Acq: 21 Dec 2022 14:36

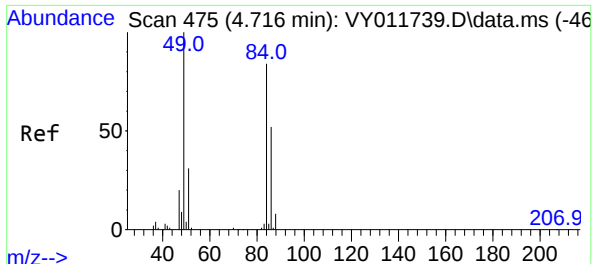
Tgt Ion: 43 Resp: 51

Ion Ratio Lower Upper

43 100

58 0.0 27.9 41.9#





#20

Methylene Chloride

Concen: 2.646 ug/l

RT: 4.716 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY011945.D

Acq: 21 Dec 2022 14:36

Instrument :

MSVOA_Y

ClientSampleId :

FVSUB-TP6-COMP-06

Tgt Ion: 84 Resp: 2196

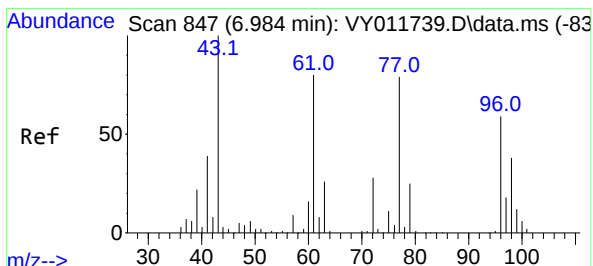
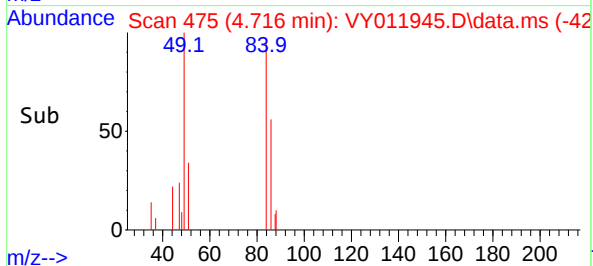
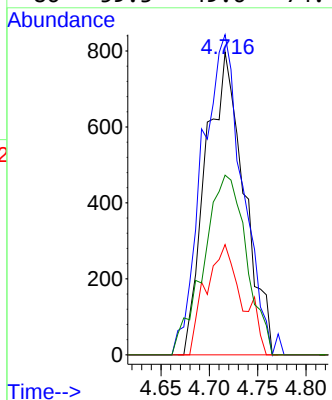
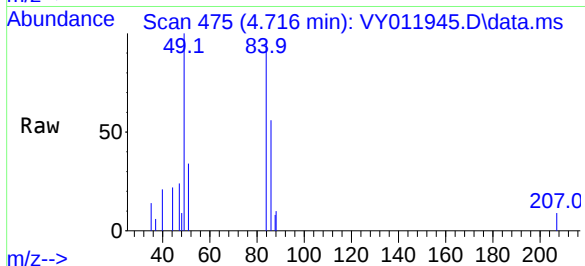
Ion Ratio Lower Upper

84 100

49 98.9 95.4 143.2

51 36.4 29.9 44.9

86 59.3 49.6 74.4



#25

2-Butanone

Concen: 1.787 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY011945.D

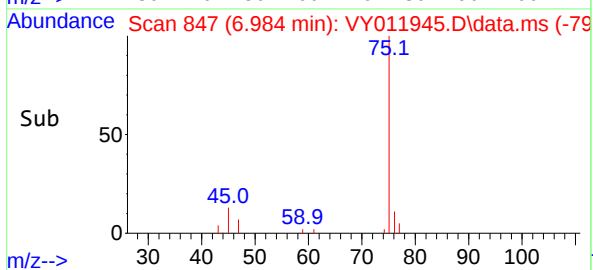
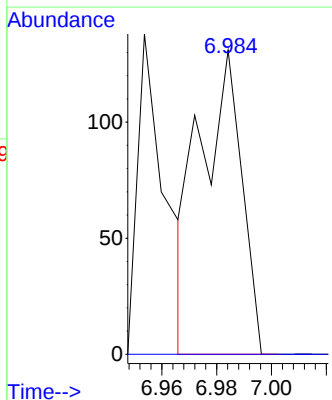
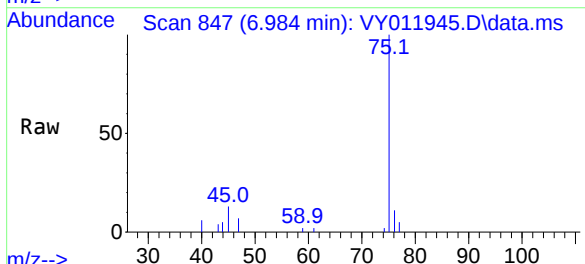
Acq: 21 Dec 2022 14:36

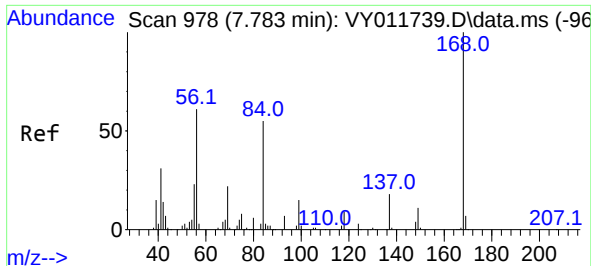
Tgt Ion: 43 Resp: 136

Ion Ratio Lower Upper

43 100

72 0.0 22.6 34.0#

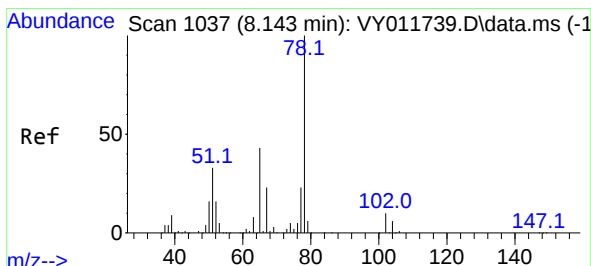
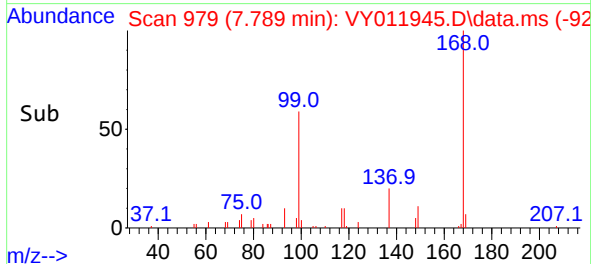
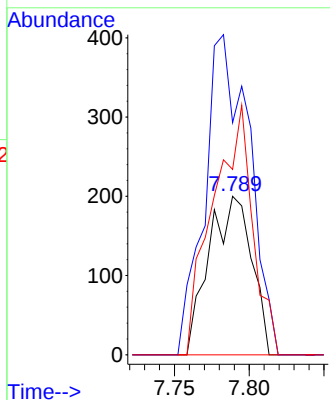
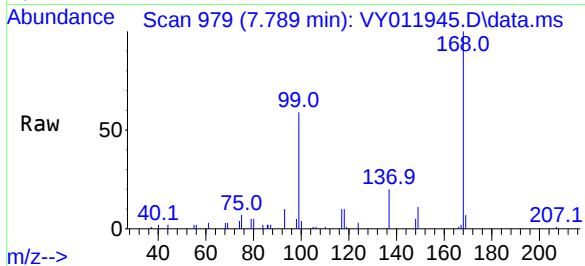




#31
Cyclohexane
Concen: 1.035 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011945.D
Acq: 21 Dec 2022 14:36

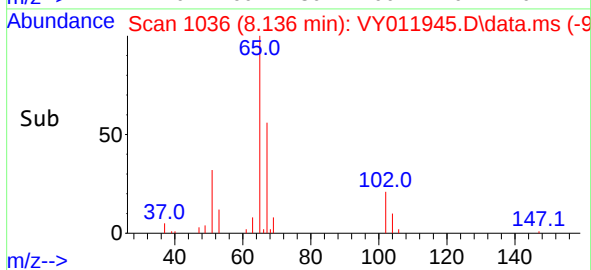
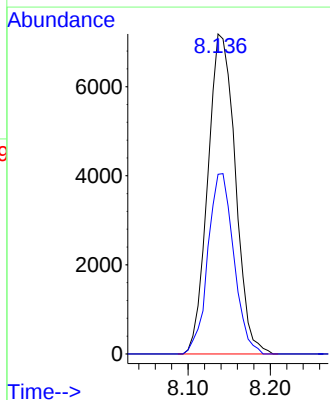
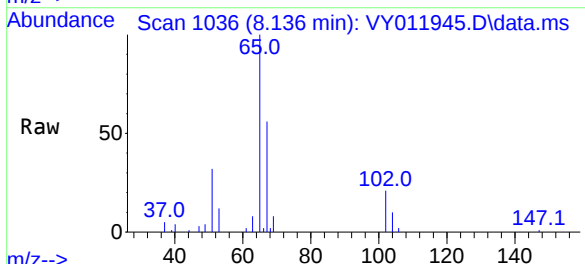
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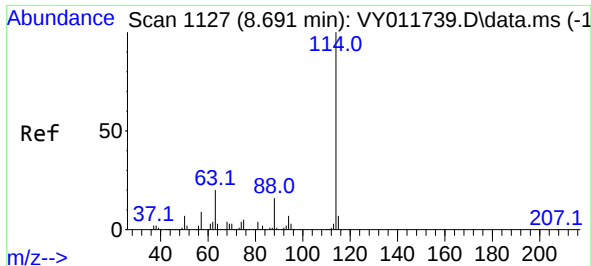
Tgt Ion: 56 Resp: 398
Ion Ratio Lower Upper
56 100
69 146.5 29.2 43.8#
84 117.0 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 73.106 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY011945.D
Acq: 21 Dec 2022 14:36

Tgt Ion: 65 Resp: 16703
Ion Ratio Lower Upper
65 100
67 53.1 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY011945.D

Acq: 21 Dec 2022 14:36

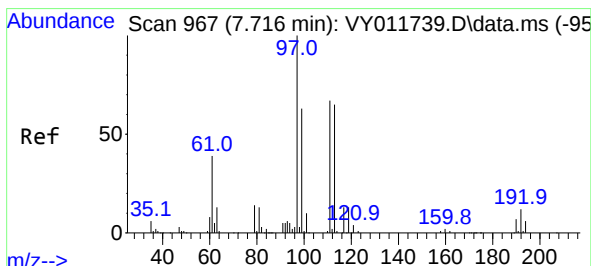
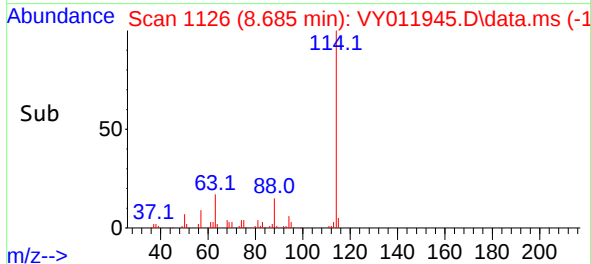
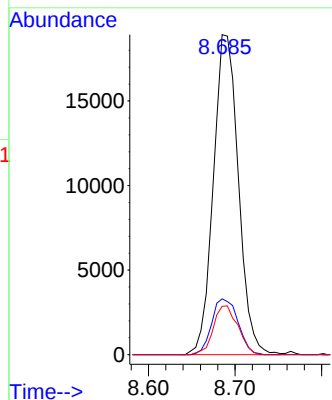
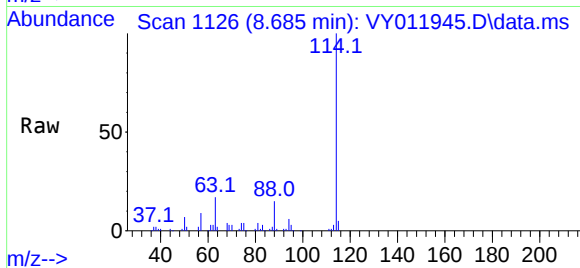
Instrument :

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ClientSampleId :

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Tgt Ion:	114	Resp:	37980
Ion	Ratio	Lower	Upper
114	100		
63	17.4	0.0	39.6
88	15.1	0.0	32.2



#35

Dibromofluoromethane

Concen: 60.354 ug/l

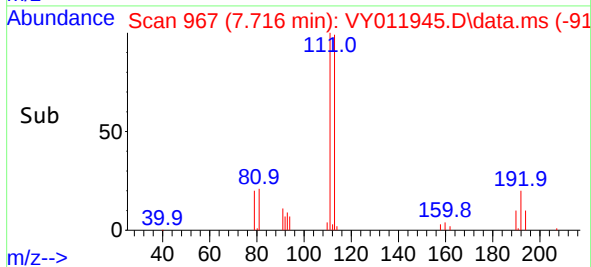
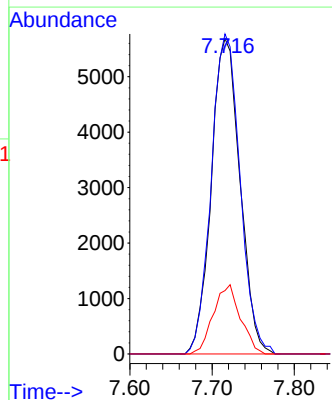
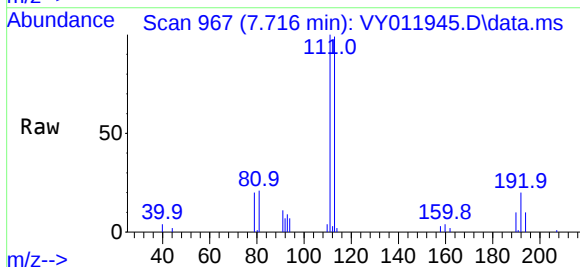
RT: 7.716 min Scan# 967

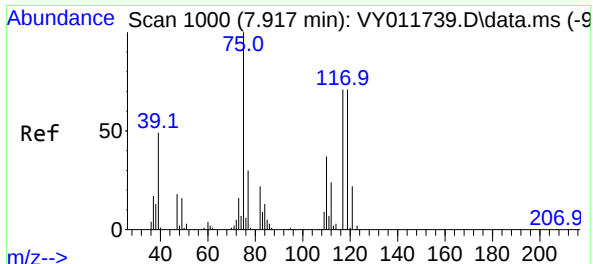
Delta R.T. -0.000 min

Lab File: VY011945.D

Acq: 21 Dec 2022 14:36

Tgt Ion:	113	Resp:	13800
Ion	Ratio	Lower	Upper
113	100		
111	101.7	83.0	124.4
192	20.8	16.0	24.0





#36

1,1-Dichloropropene

Concen: 5.003 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY011945.D

Acq: 21 Dec 2022 14:36

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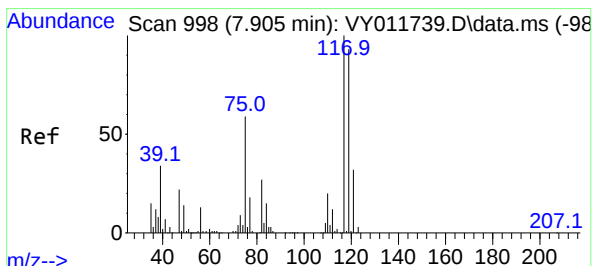
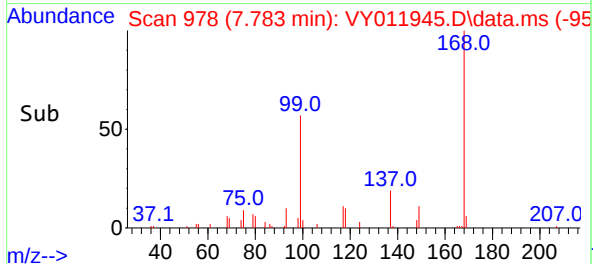
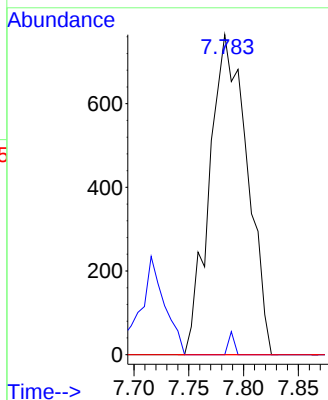
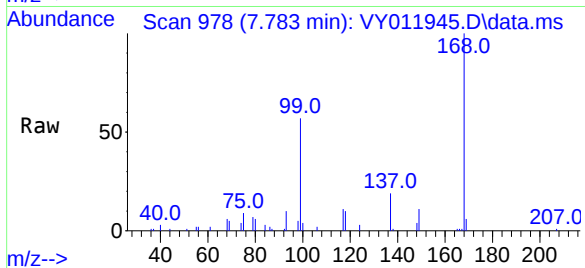
Tgt Ion: 75 Resp: 1835

Ion Ratio Lower Upper

75 100

110 1.1 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.593 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011945.D

Acq: 21 Dec 2022 14:36

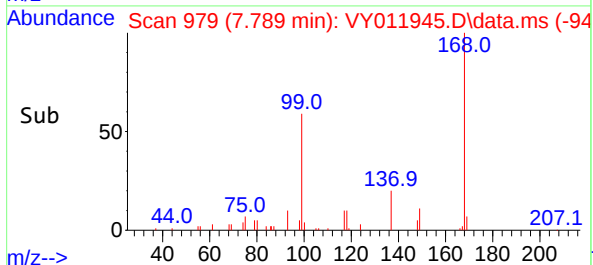
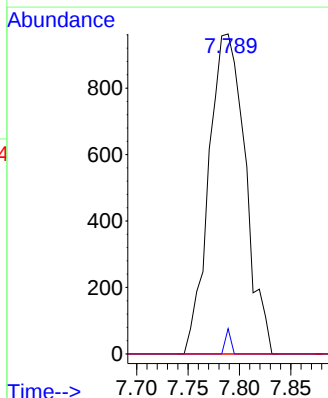
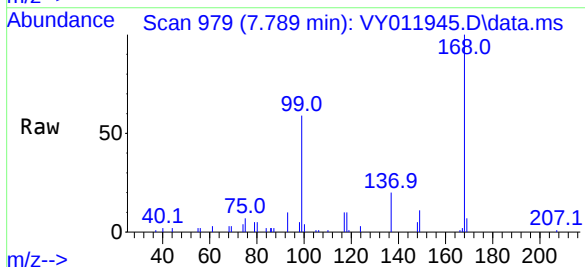
Tgt Ion: 117 Resp: 2369

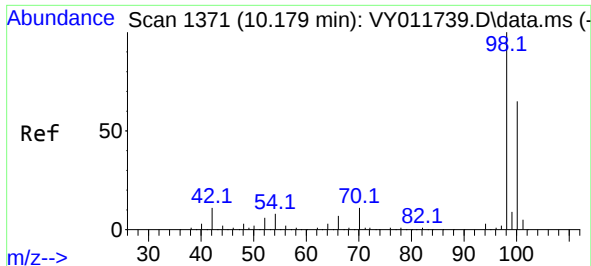
Ion Ratio Lower Upper

117 100

119 7.9 73.8 110.8#

121 0.0 25.2 37.8#

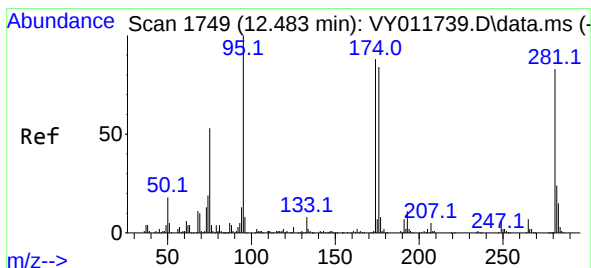
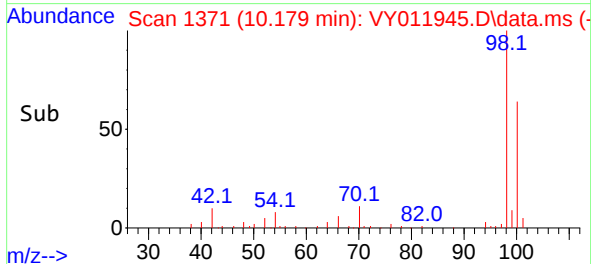
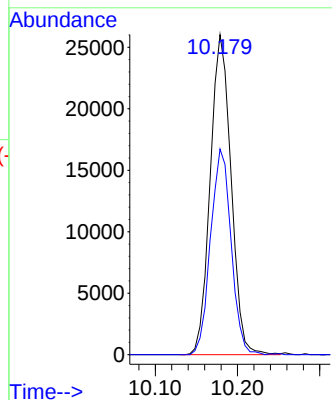
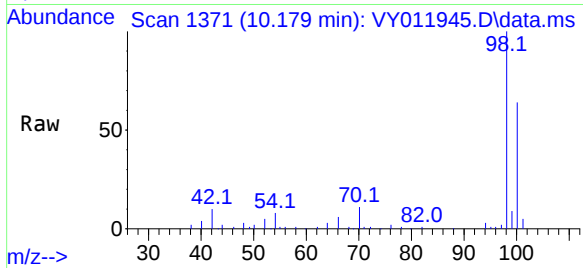




#50
Toluene-d8
Concen: 49.415 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011945.D
Acq: 21 Dec 2022 14:36

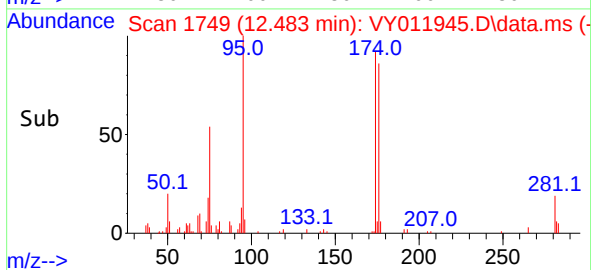
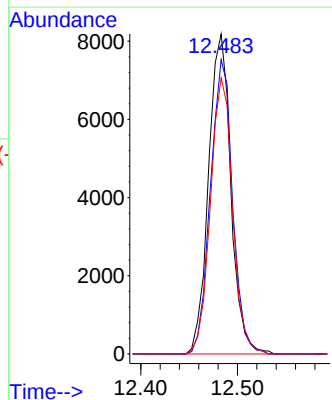
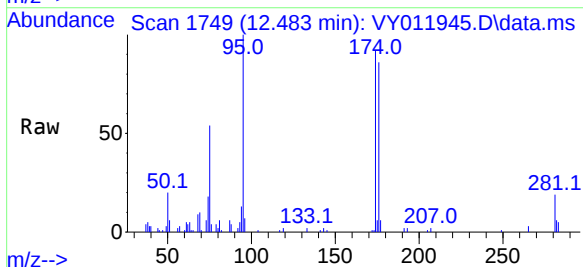
Instrument :
MSVOA_Y
ClientSampleId :
FVSUB-TP6-COMP-06

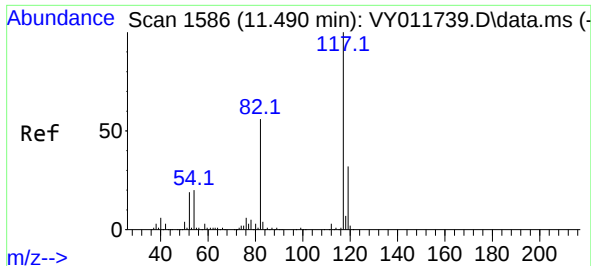
Tgt Ion: 98 Resp: 45842
Ion Ratio Lower Upper
98 100
100 63.3 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 42.038 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011945.D
Acq: 21 Dec 2022 14:36

Tgt Ion: 95 Resp: 13116
Ion Ratio Lower Upper
95 100
174 91.3 0.0 172.0
176 85.5 0.0 167.6

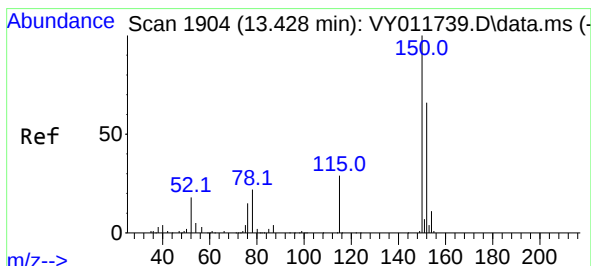
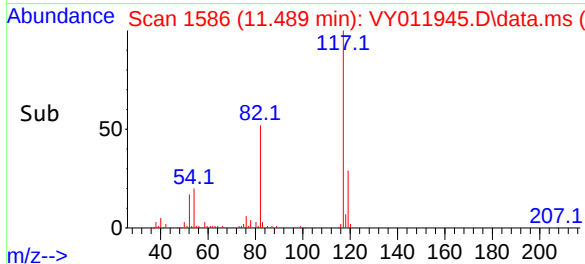
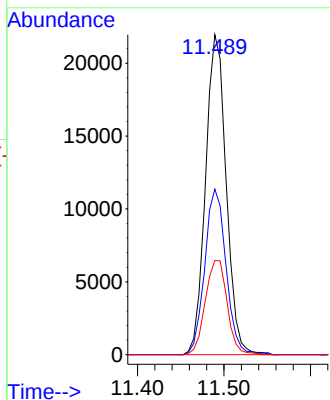
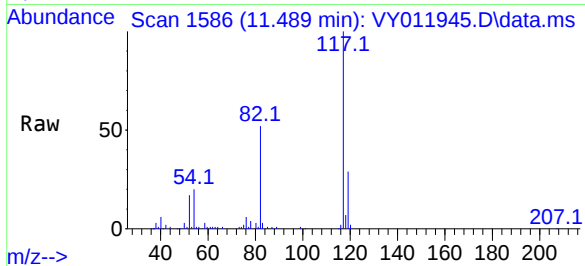




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY011945.D
Acq: 21 Dec 2022 14:36

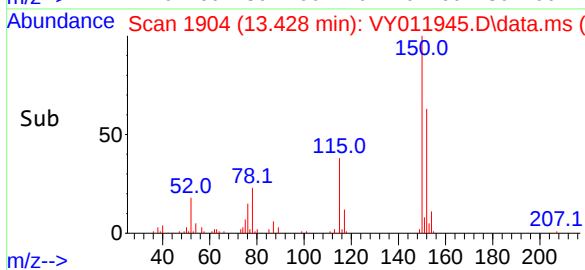
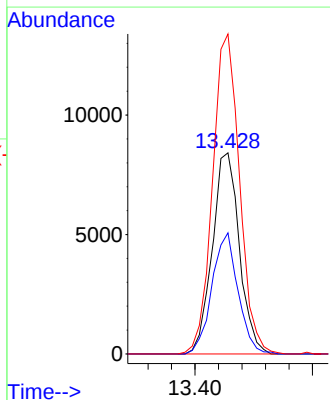
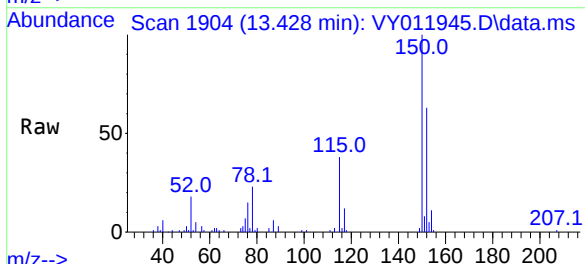
Instrument :
MSVOA_Y
ClientSampleId :
FVSUB-TP6-COMP-06

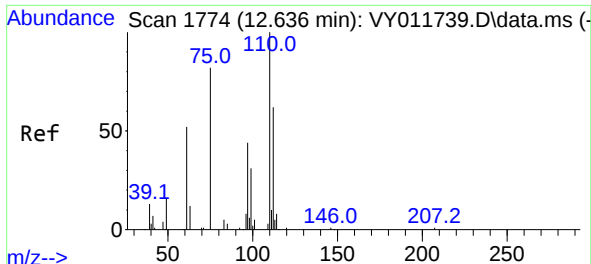
Tgt Ion:	117	Resp:	36377
Ion	Ratio	Lower	Upper
117	100		
82	51.8	44.8	67.2
119	29.5	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011945.D
Acq: 21 Dec 2022 14:36

Tgt Ion:	152	Resp:	13437
Ion	Ratio	Lower	Upper
152	100		
115	58.1	29.1	87.3
150	158.8	0.0	342.6

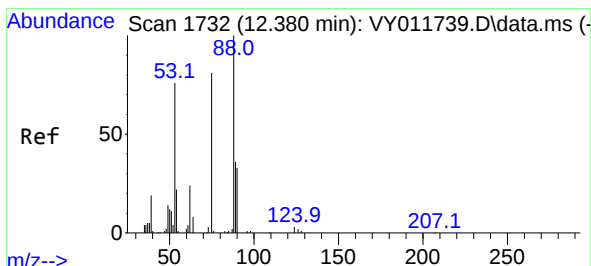
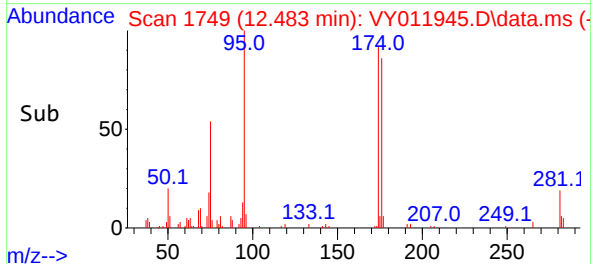
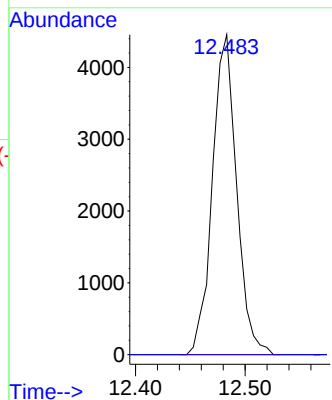
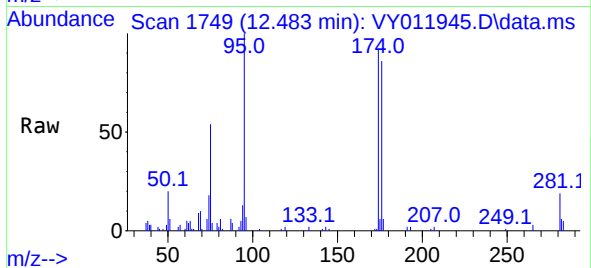




#76
1,2,3-Trichloropropane
Concen: 40.945 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011945.D
Acq: 21 Dec 2022 14:36

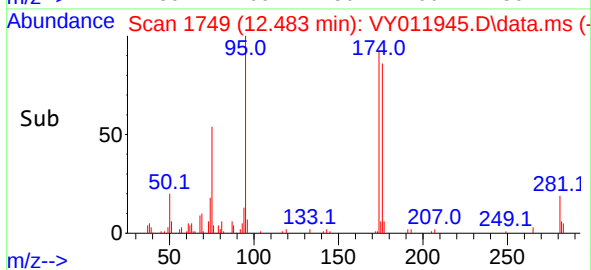
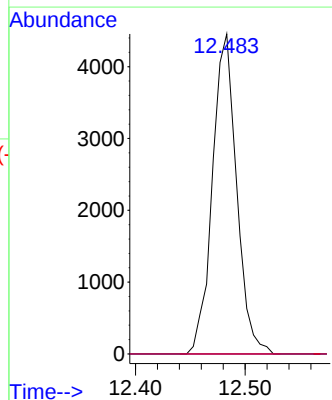
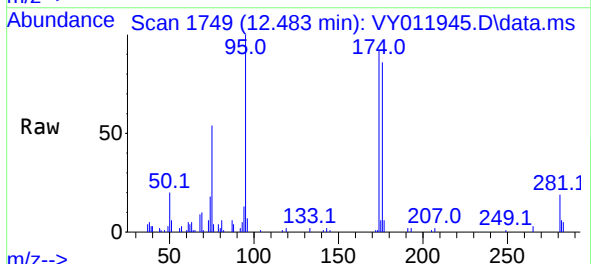
Instrument :
MSVOA_Y
ClientSampleId :
FVSUB-TP6-COMP-06

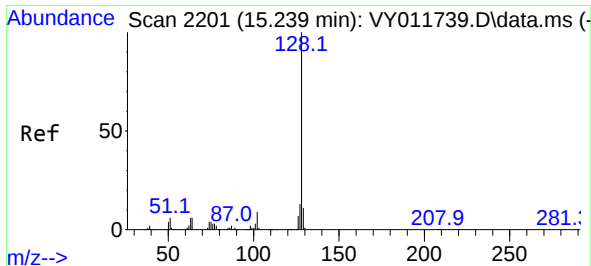
Tgt Ion: 75 Resp: 6846
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 112.127 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011945.D
Acq: 21 Dec 2022 14:36

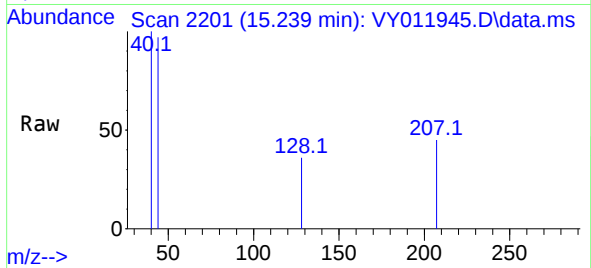
Tgt Ion: 75 Resp: 6846
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#





#95
 Naphthalene
 Concen: 3.084 ug/l
 RT: 15.239 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY011945.D
 Acq: 21 Dec 2022 14:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 FVSUB-TP6-COMP-06



Tgt Ion:128 Resp: 160
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.2 15.2#
 129 0.0 8.8 13.2#

