

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081922\
 Data File : VY010116.D
 Acq On : 19 Aug 2022 20:13
 Operator : KP/MD
 Sample : N4217-08
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP3-0815

Quant Time: Aug 22 02:45:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081922S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 22 02:37:07 2022
 Response via : Initial Calibration

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

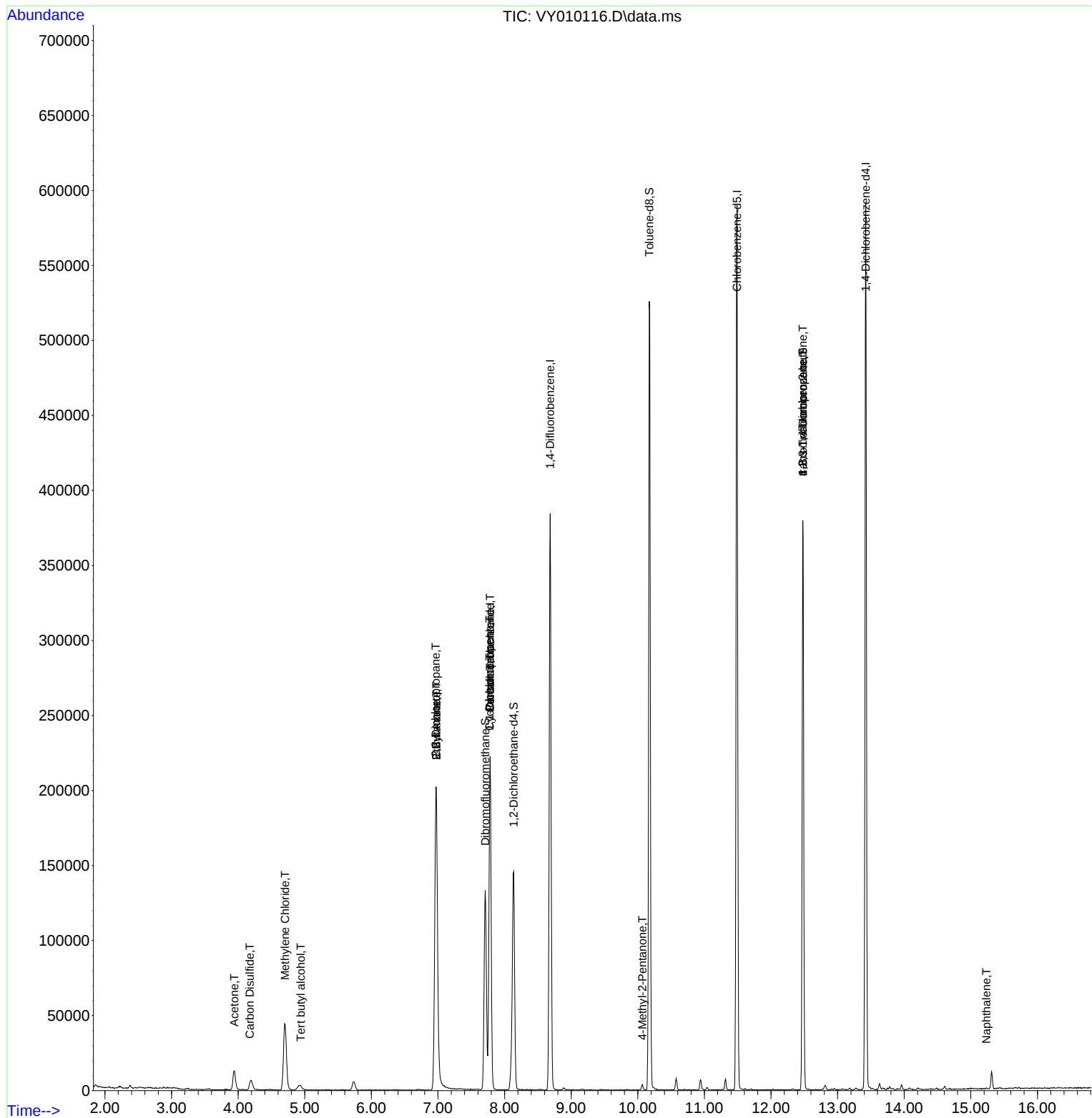
Internal Standards						
1) Pentafluorobenzene	7.783	168	177868	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	338111	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	335993	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	154636	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	102534	70.378	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 140.760%	
35) Dibromofluoromethane	7.710	113	96401	50.599	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.200%	
50) Toluene-d8	10.173	98	353791	49.558	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.120%	
62) 4-Bromofluorobenzene	12.477	95	114578	44.920	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 89.840%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	5040	42.429	ug/l #	82
13) Acrolein	3.716	56	26	Below Cal	#	14
16) Acetone	3.942	43	23183	63.578	ug/l	93
17) Carbon Disulfide	4.174	76	5810	1.117	ug/l	95
20) Methylene Chloride	4.704	84	35072	10.533	ug/l	93
25) 2-Butanone	6.978	43	13029	22.213	ug/l #	86
26) 2,2-Dichloropropane	6.966	77	14791	5.385	ug/l #	50
31) Cyclohexane	7.777	56	3407	1.141	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	13434	4.418	ug/l #	48
37) Ethyl Acetate	6.978	43	13029	8.439	ug/l #	9
38) Carbon Tetrachloride	7.783	117	16409	5.145	ug/l #	17
51) 4-Methyl-2-Pentanone	10.069	43	2424	1.607	ug/l	98
76) 1,2,3-Trichloropropane	12.477	75	56470	38.993	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	56470	78.318	ug/l #	18
95) Naphthalene	15.233	128	536	3.971	ug/l #	69

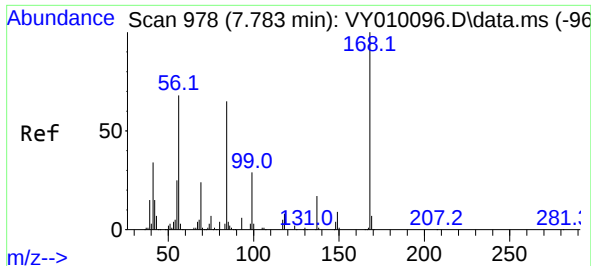
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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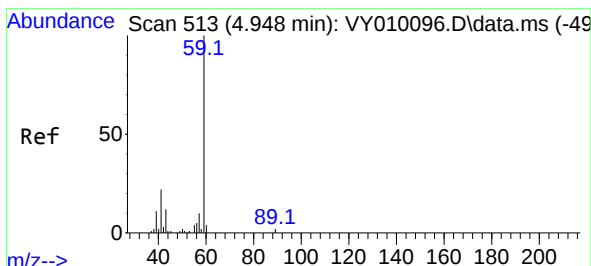
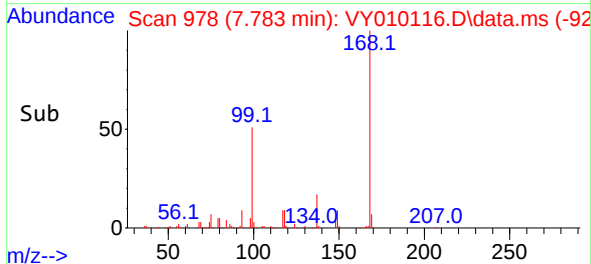
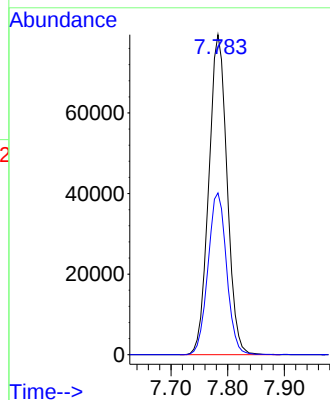
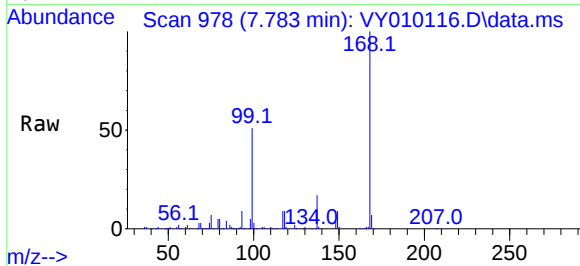




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010116.D
Acq: 19 Aug 2022 20:13

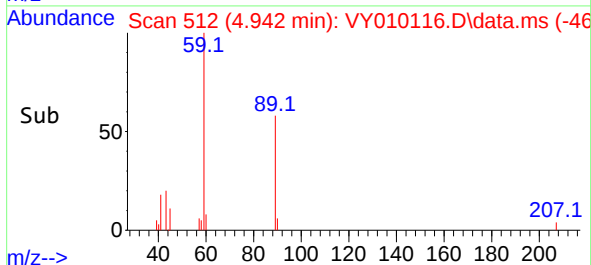
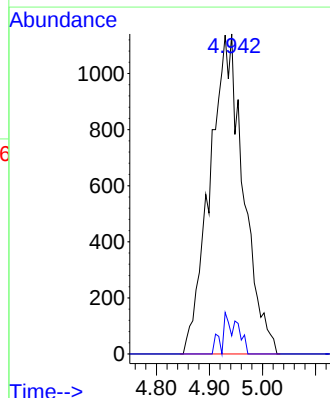
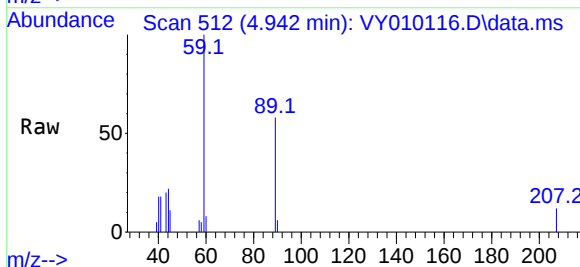
Instrument :
MSVOA_Y
ClientSampleId :
TP3-0815

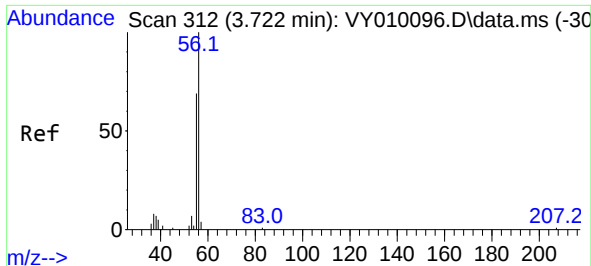
Tgt Ion:168 Resp: 177868
Ion Ratio Lower Upper
168 100
99 50.5 40.7 61.1



#11
Tert butyl alcohol
Concen: 42.429 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY010116.D
Acq: 19 Aug 2022 20:13

Tgt Ion: 59 Resp: 5040
Ion Ratio Lower Upper
59 100
57 3.3 8.2 12.2#

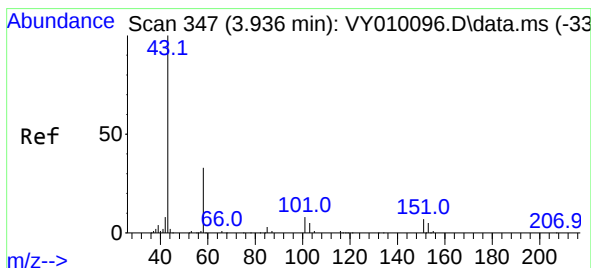
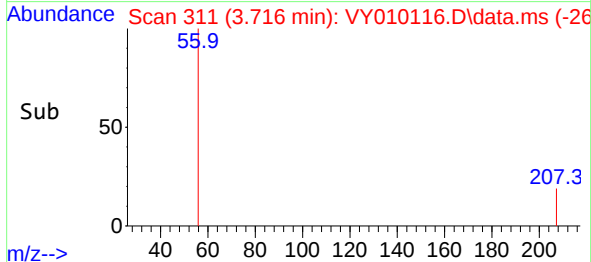
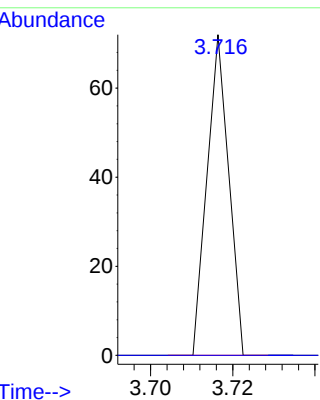
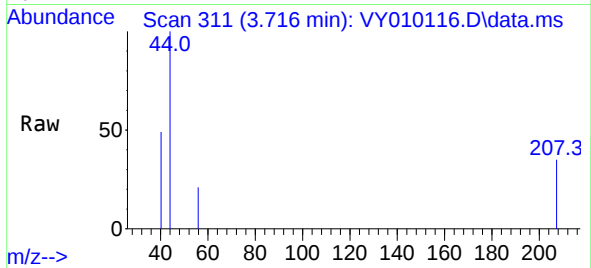




#13
Acrolein
Concen: Below Cal
RT: 3.716 min Scan# 311
Delta R.T. -0.006 min
Lab File: VY010116.D
Acq: 19 Aug 2022 20:13

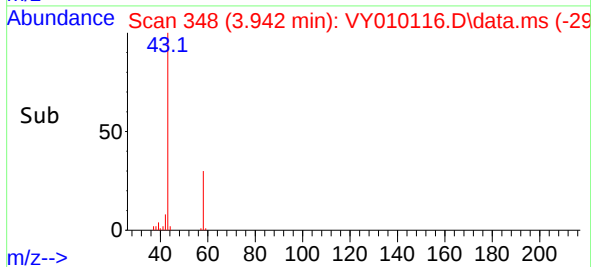
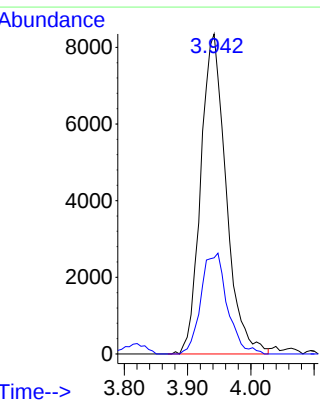
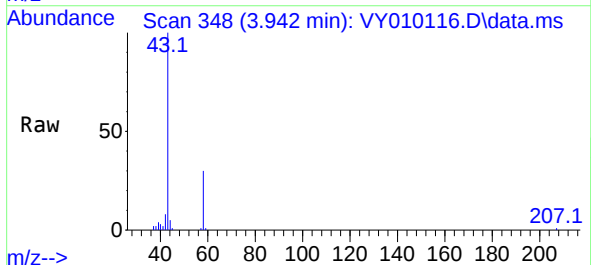
Instrument :
MSVOA_Y
ClientSampleId :
TP3-0815

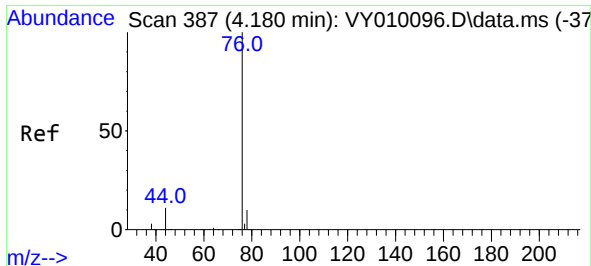
Tgt Ion: 56 Resp: 26
Ion Ratio Lower Upper
56 100
55 0.0 57.5 86.3#



#16
Acetone
Concen: 63.578 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY010116.D
Acq: 19 Aug 2022 20:13

Tgt Ion: 43 Resp: 23183
Ion Ratio Lower Upper
43 100
58 30.1 27.4 41.0

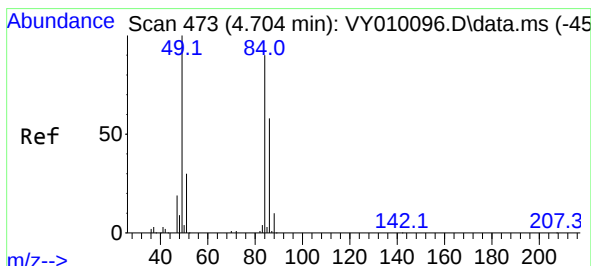
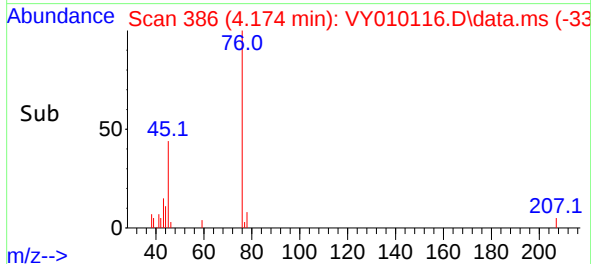
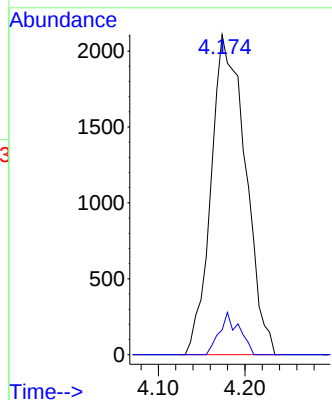
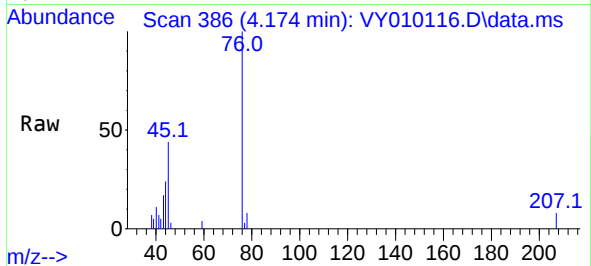




#17
Carbon Disulfide
Concen: 1.117 ug/l
RT: 4.174 min Scan# 386
Delta R.T. -0.006 min
Lab File: VY010116.D
Acq: 19 Aug 2022 20:13

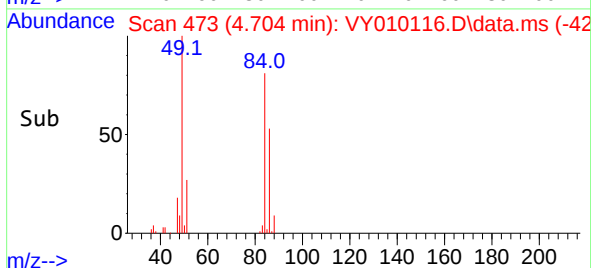
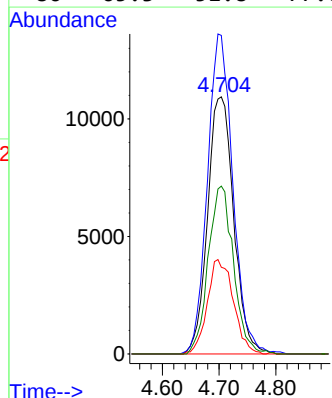
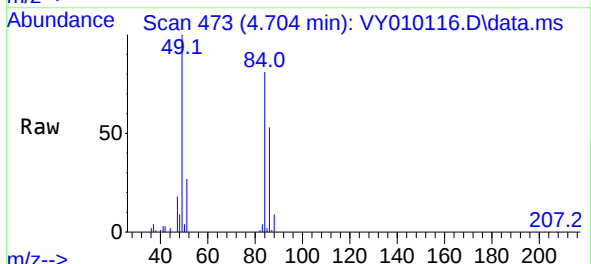
Instrument :
MSVOA_Y
ClientSampleId :
TP3-0815

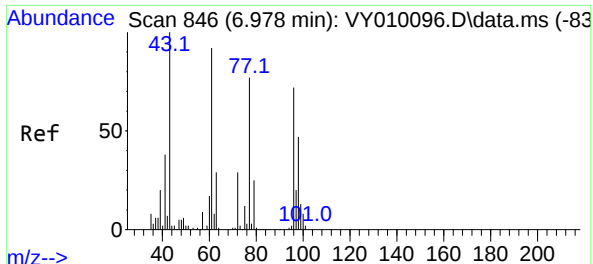
Tgt Ion: 76 Resp: 5810
Ion Ratio Lower Upper
76 100
78 7.8 7.7 11.5



#20
Methylene Chloride
Concen: 10.533 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY010116.D
Acq: 19 Aug 2022 20:13

Tgt Ion: 84 Resp: 35072
Ion Ratio Lower Upper
84 100
49 123.9 89.0 133.4
51 33.7 27.0 40.6
86 65.3 51.8 77.6





#25

2-Butanone

Concen: 22.213 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY010116.D

Acq: 19 Aug 2022 20:13

Instrument :

MSVOA_Y

ClientSampleId :

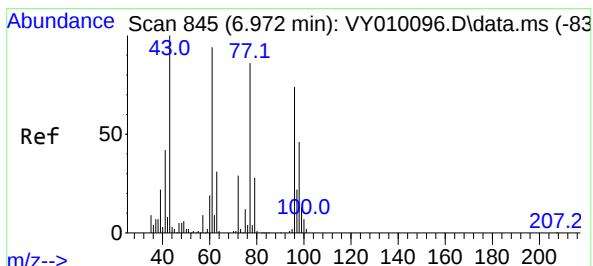
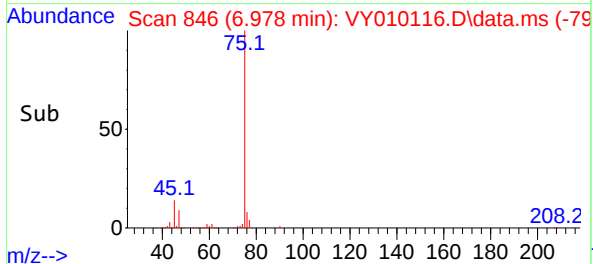
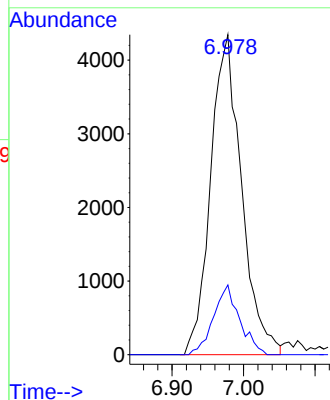
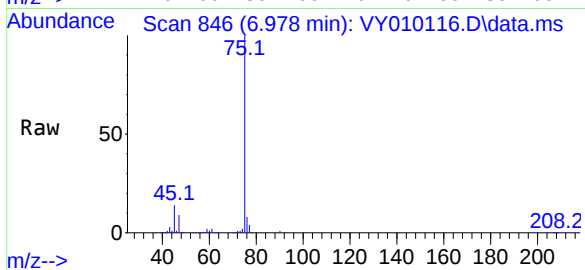
TP3-0815

Tgt Ion: 43 Resp: 13029

Ion Ratio Lower Upper

43 100

72 21.8 23.2 34.8#



#26

2,2-Dichloropropane

Concen: 5.385 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.006 min

Lab File: VY010116.D

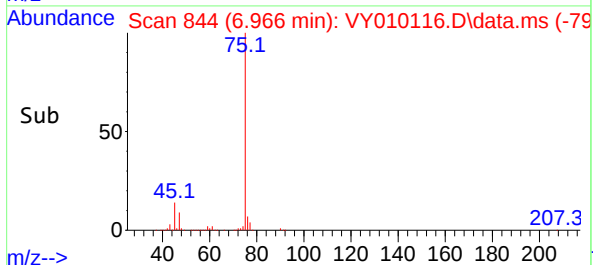
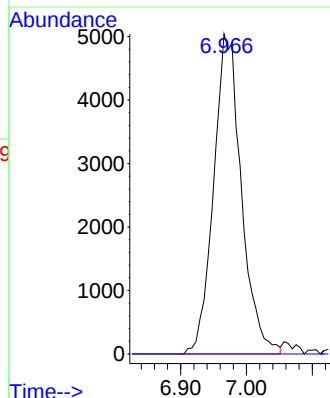
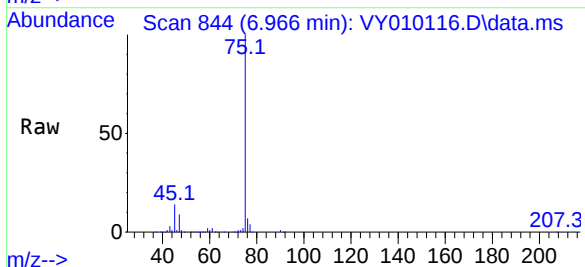
Acq: 19 Aug 2022 20:13

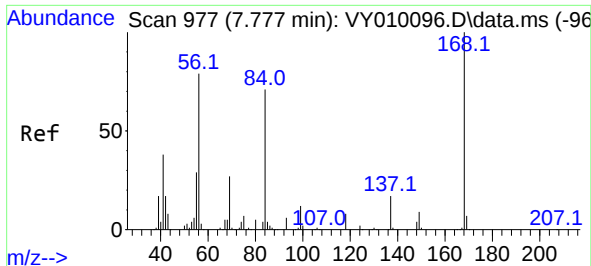
Tgt Ion: 77 Resp: 14791

Ion Ratio Lower Upper

77 100

97 0.0 12.4 37.4#

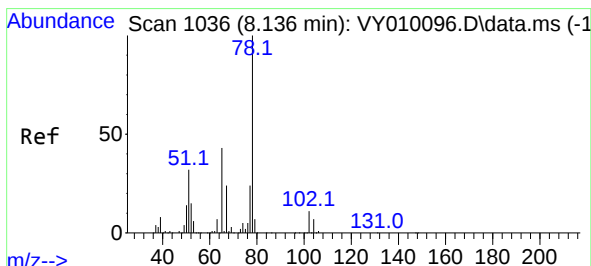
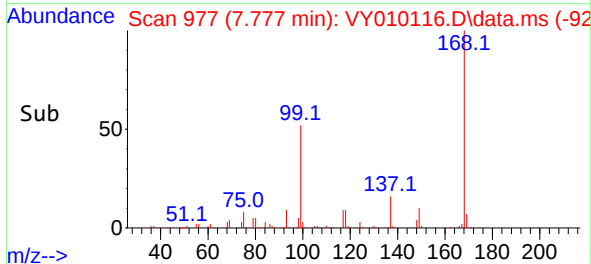
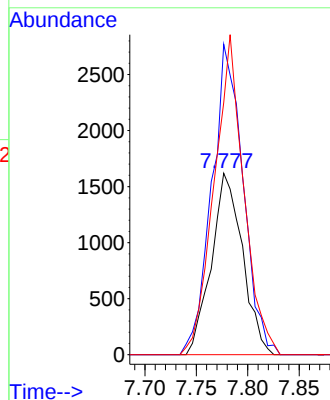
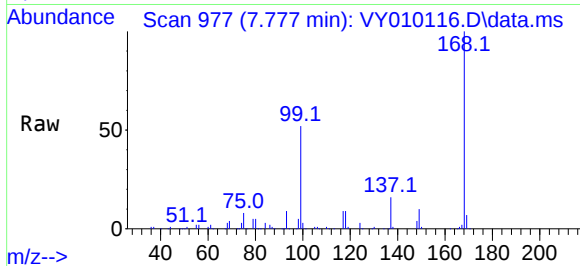




#31
Cyclohexane
Concen: 1.141 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010116.D
Acq: 19 Aug 2022 20:13

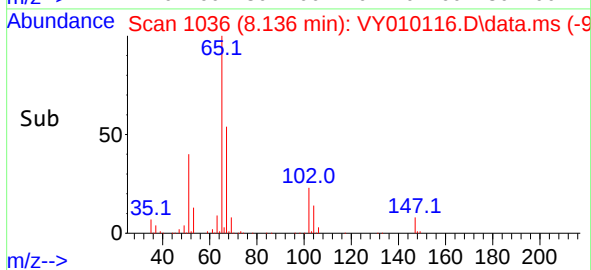
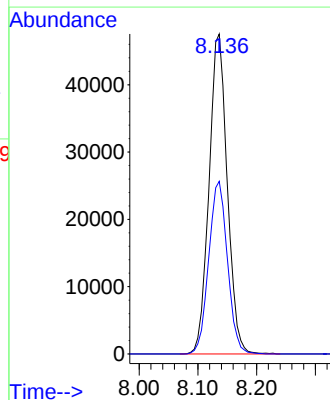
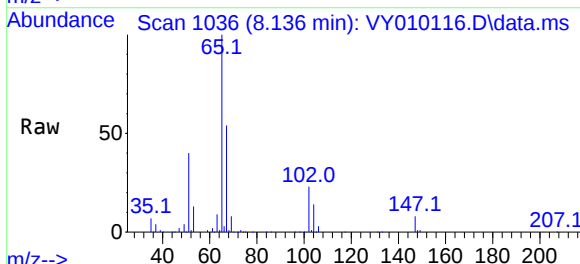
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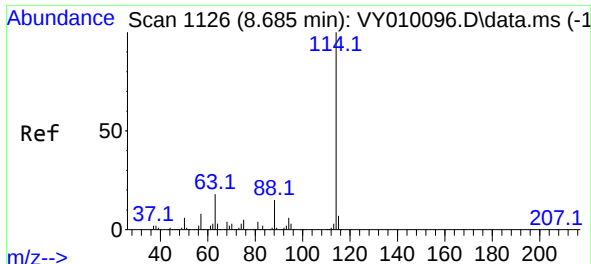
Tgt Ion: 56 Resp: 3407
Ion Ratio Lower Upper
56 100
69 171.1 27.3 40.9#
84 138.9 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 70.378 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY010116.D
Acq: 19 Aug 2022 20:13

Tgt Ion: 65 Resp: 102534
Ion Ratio Lower Upper
65 100
67 55.3 0.0 110.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010116.D

Acq: 19 Aug 2022 20:13

Instrument :

MSVOA_Y

ClientSampleId :

TP3-0815

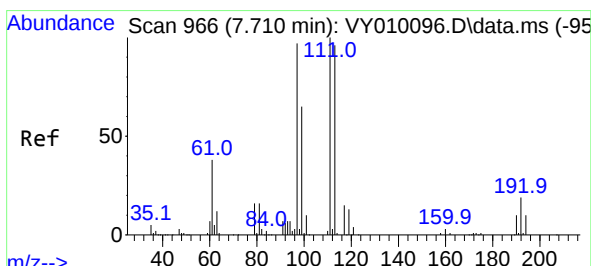
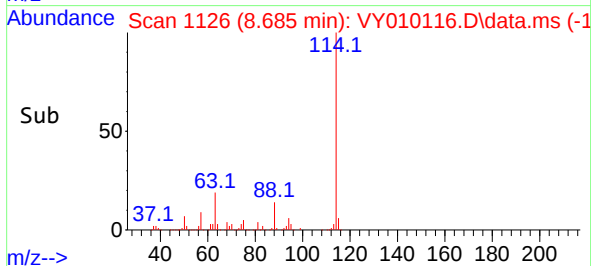
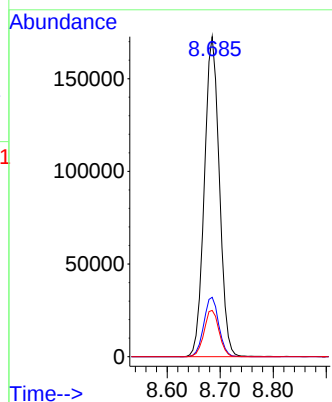
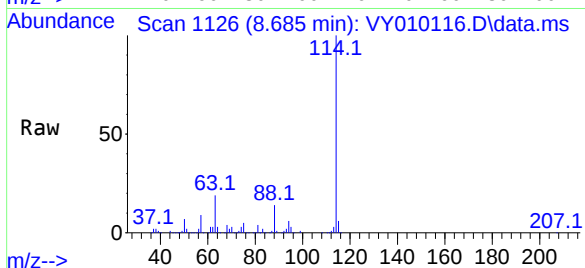
Tgt Ion:114 Resp: 338111

Ion Ratio Lower Upper

114 100

63 18.6 0.0 35.6

88 14.5 0.0 29.6



#35

Dibromofluoromethane

Concen: 50.599 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010116.D

Acq: 19 Aug 2022 20:13

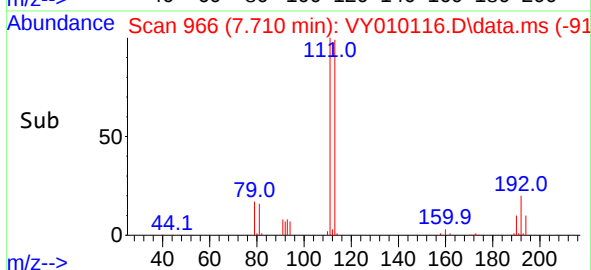
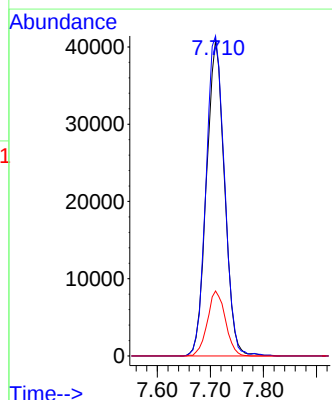
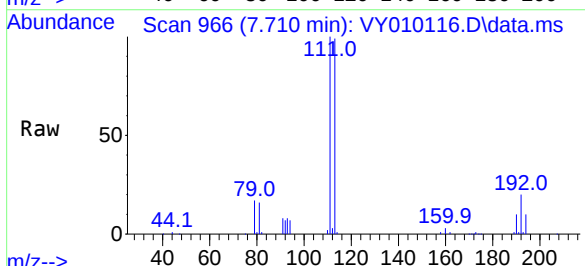
Tgt Ion:113 Resp: 96401

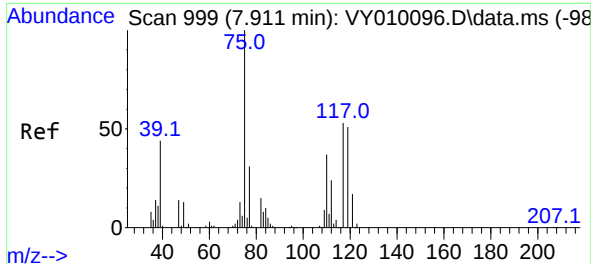
Ion Ratio Lower Upper

113 100

111 103.2 82.8 124.2

192 20.6 16.3 24.5

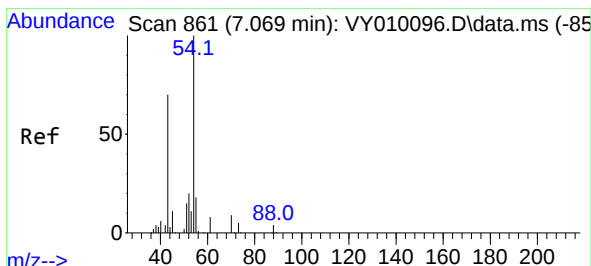
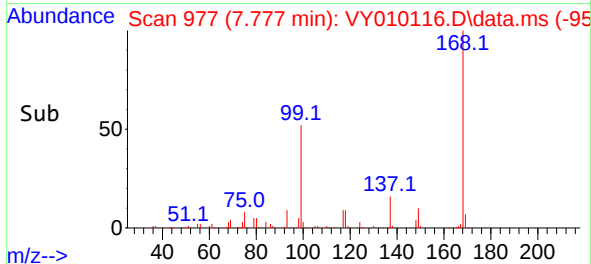
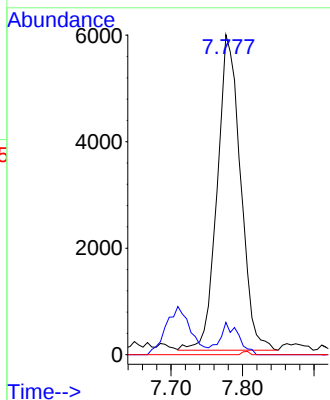
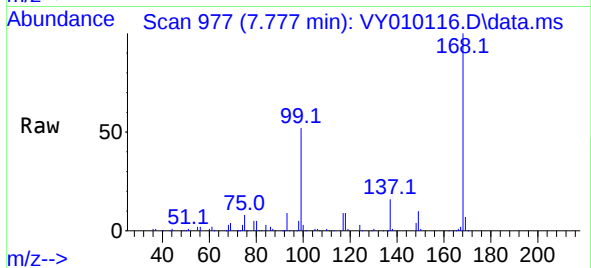




#36
1,1-Dichloropropene
Concen: 4.418 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY010116.D
Acq: 19 Aug 2022 20:13

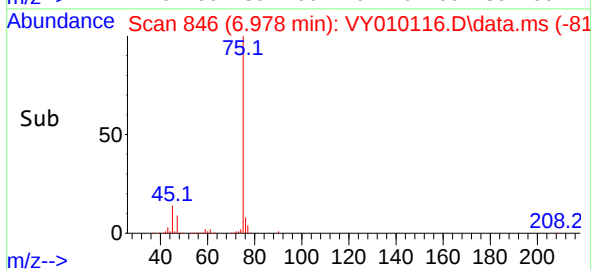
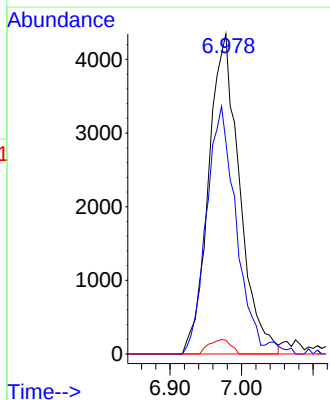
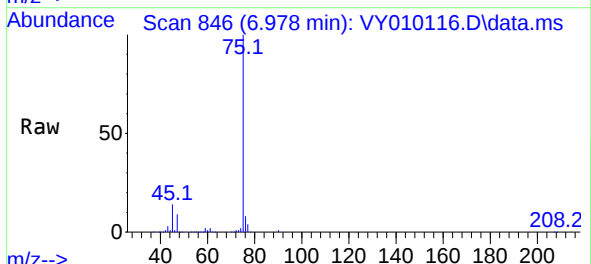
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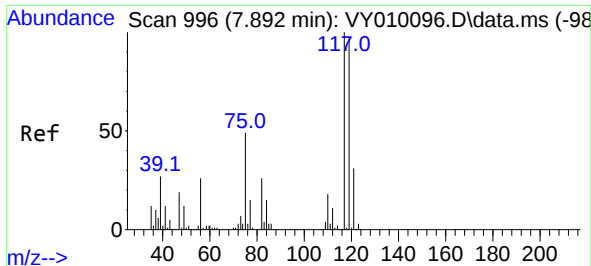
Tgt Ion: 75 Resp: 13434
Ion Ratio Lower Upper
75 100
110 8.2 18.6 56.0#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 8.439 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.091 min
Lab File: VY010116.D
Acq: 19 Aug 2022 20:13

Tgt Ion: 43 Resp: 13029
Ion Ratio Lower Upper
43 100
61 73.9 11.7 17.5#
70 3.2 9.0 13.4#

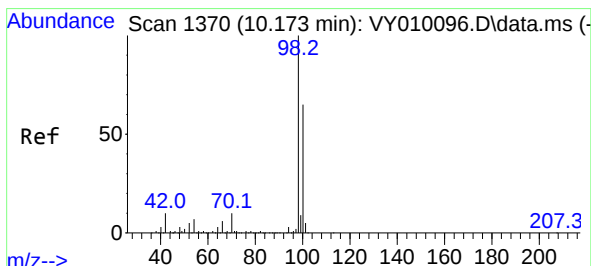
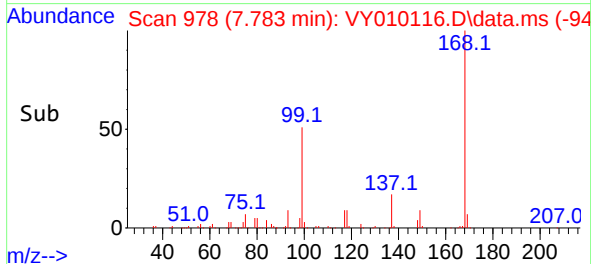
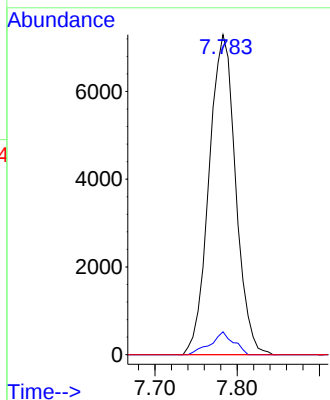
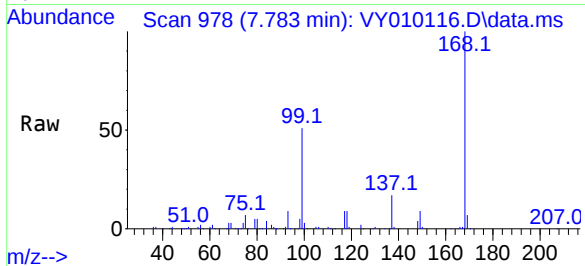




#38
Carbon Tetrachloride
Concen: 5.145 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY010116.D
Acq: 19 Aug 2022 20:13

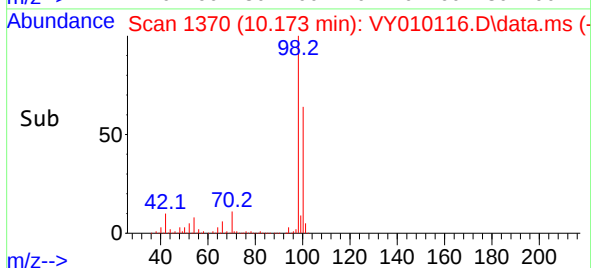
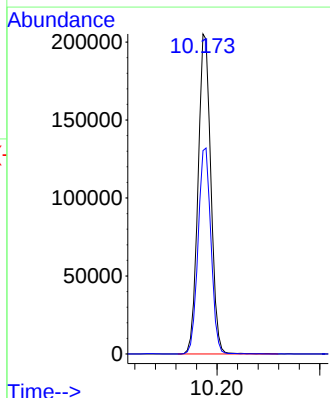
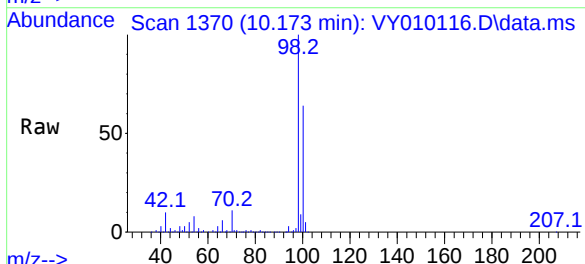
Instrument :
MSVOA_Y
ClientSampleId :
TP3-0815

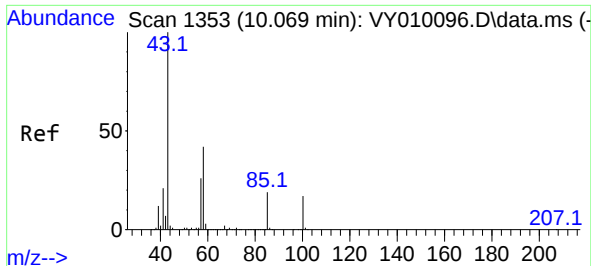
Tgt Ion:117 Resp: 16409
Ion Ratio Lower Upper
117 100
119 7.2 77.1 115.7#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 49.558 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.000 min
Lab File: VY010116.D
Acq: 19 Aug 2022 20:13

Tgt Ion: 98 Resp: 353791
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9

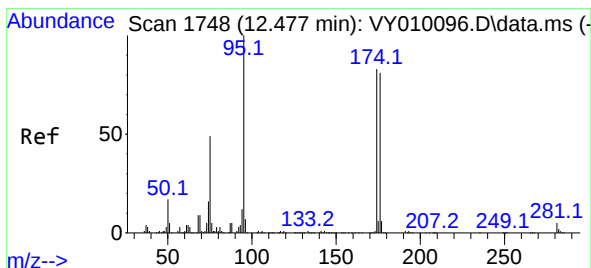
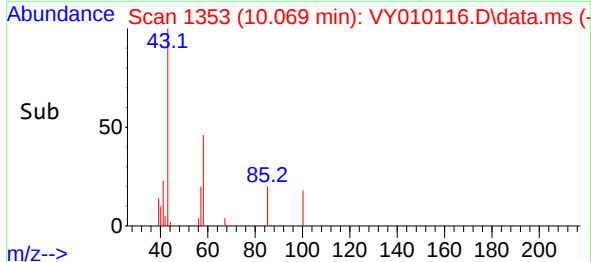
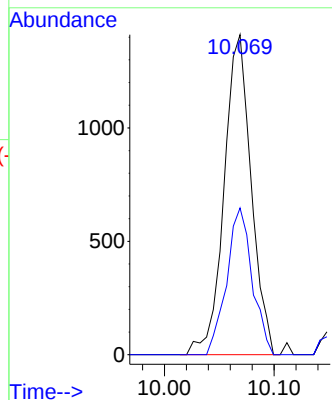
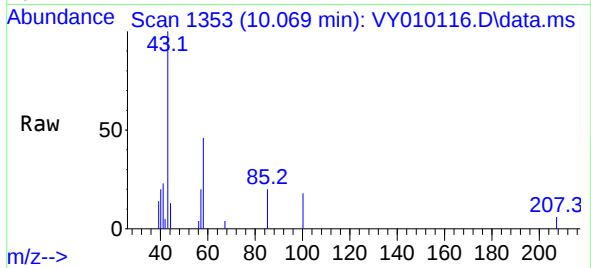




#51
4-Methyl-2-Pentanone
Concen: 1.607 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.000 min
Lab File: VY010116.D
Acq: 19 Aug 2022 20:13

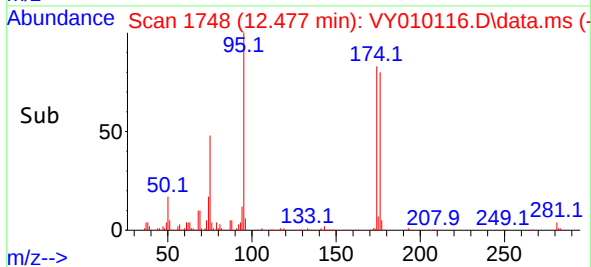
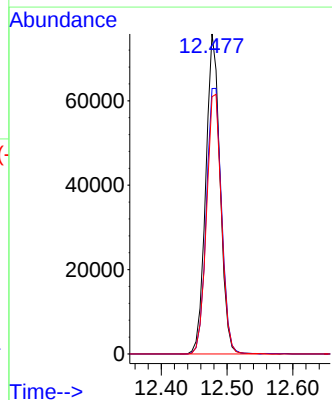
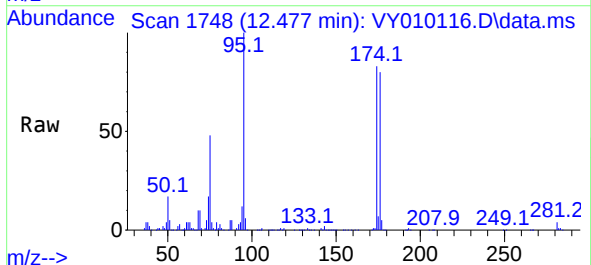
Instrument :
MSVOA_Y
ClientSampleId :
TP3-0815

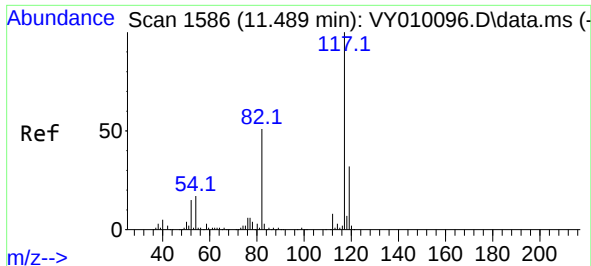
Tgt Ion: 43 Resp: 2424
Ion Ratio Lower Upper
43 100
58 43.0 33.3 49.9



#62
4-Bromofluorobenzene
Concen: 44.920 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010116.D
Acq: 19 Aug 2022 20:13

Tgt Ion: 95 Resp: 114578
Ion Ratio Lower Upper
95 100
174 88.1 0.0 173.8
176 84.7 0.0 167.2

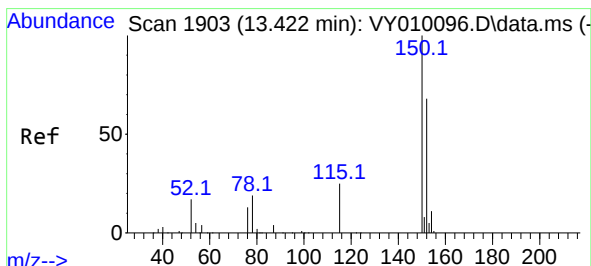
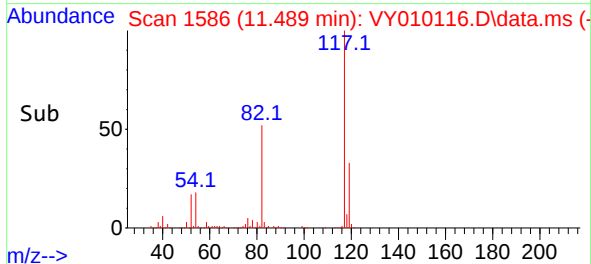
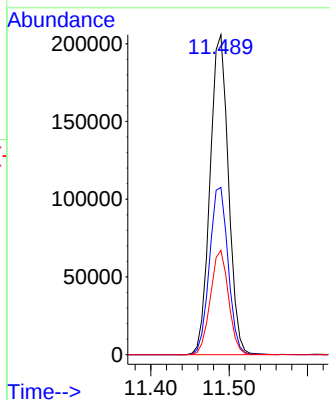
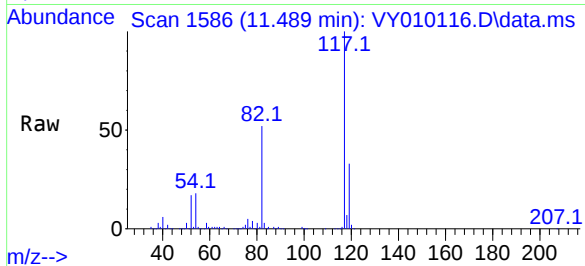




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY010116.D
Acq: 19 Aug 2022 20:13

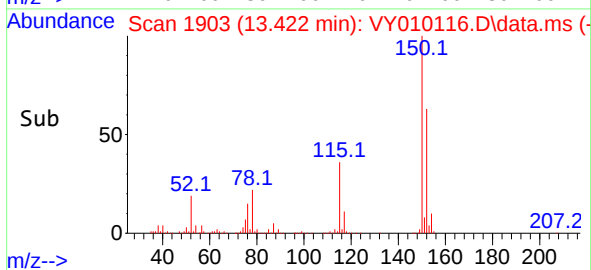
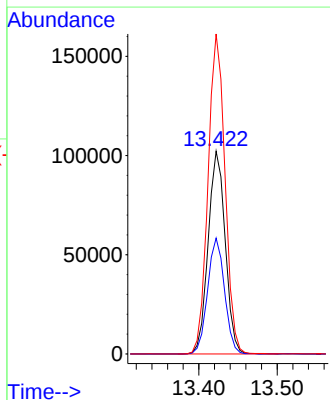
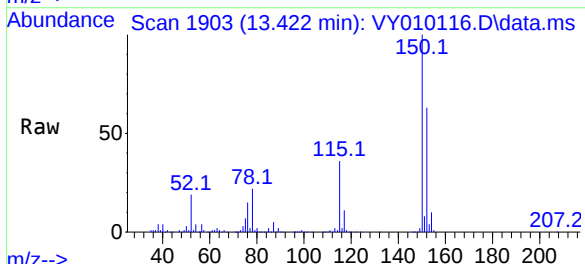
Instrument :
MSVOA_Y
ClientSampleId :
TP3-0815

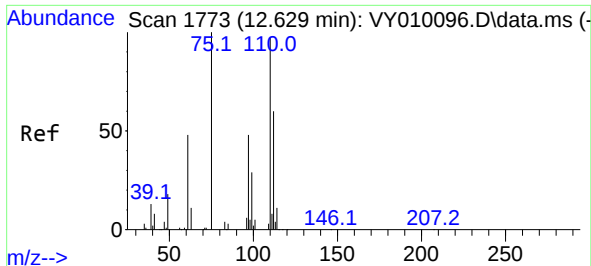
Tgt Ion:117 Resp: 335993
Ion Ratio Lower Upper
117 100
82 52.3 40.6 61.0
119 32.6 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010116.D
Acq: 19 Aug 2022 20:13

Tgt Ion:152 Resp: 154636
Ion Ratio Lower Upper
152 100
115 56.6 28.1 84.2
150 156.9 0.0 346.2

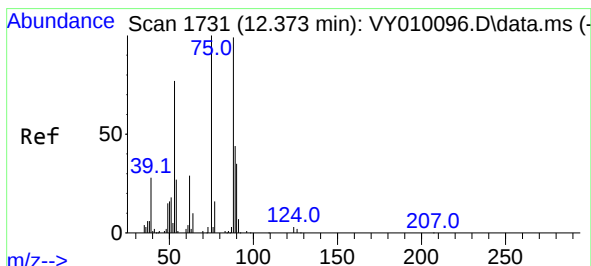
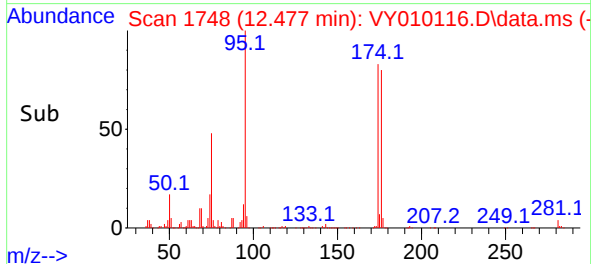
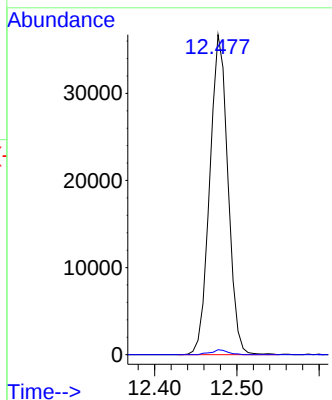
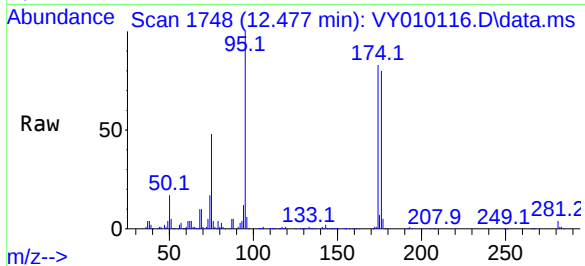




#76
1,2,3-Trichloropropane
Concen: 38.993 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010116.D
Acq: 19 Aug 2022 20:13

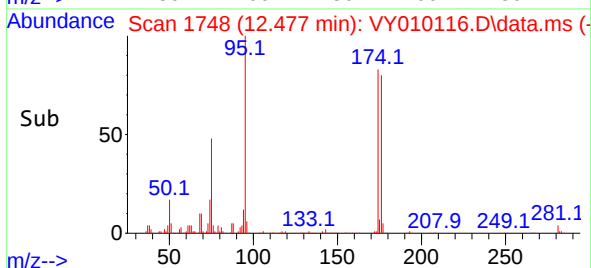
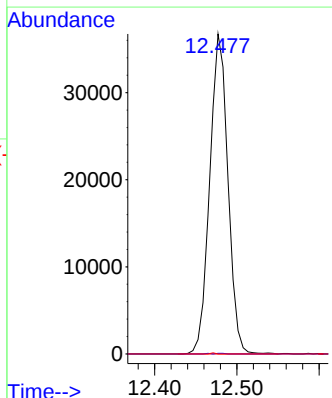
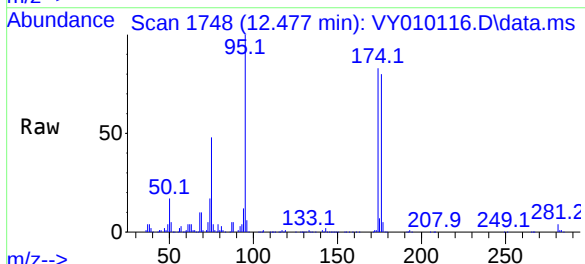
Instrument :
MSVOA_Y
ClientSampleId :
TP3-0815

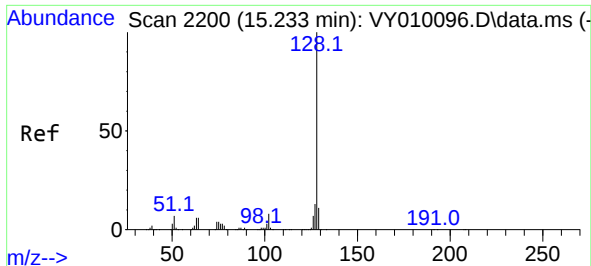
Tgt Ion: 75 Resp: 56470
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.318 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY010116.D
Acq: 19 Aug 2022 20:13

Tgt Ion: 75 Resp: 56470
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.1 36.8 55.2#





#95

Naphthalene

Concen: 3.971 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY010116.D

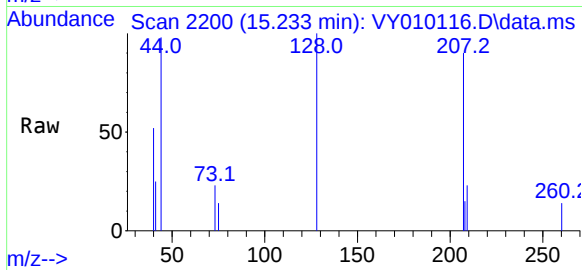
Acq: 19 Aug 2022 20:13

Instrument :

MSVOA_Y

ClientSampleId :

TP3-0815



Tgt Ion:128 Resp: 536

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.9 13.3#

