

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071122\
 Data File : VY009514.D
 Acq On : 11 Jul 2022 16:41
 Operator : KP/MD
 Sample : N3622-09
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 12 05:04:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 08 11:00:56 2022
 Response via : Initial Calibration

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

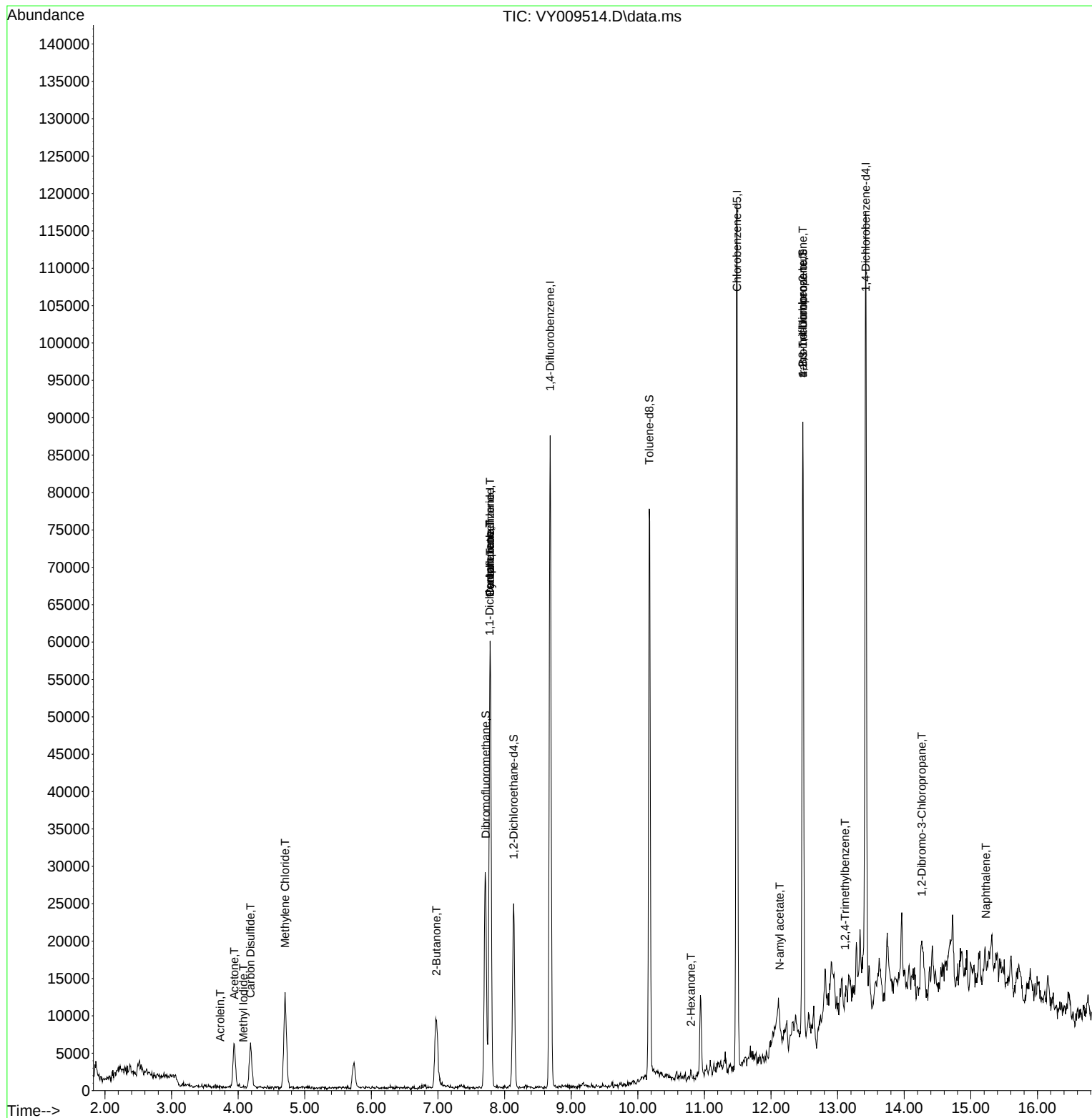
Internal Standards						
1) Pentafluorobenzene	7.783	168	47313	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	73057	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	63756	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	26488	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	18617	56.732	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.460%	
35) Dibromofluoromethane	7.716	113	19788	51.477	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.960%	
50) Toluene-d8	10.172	98	50414	47.414	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 94.820%	
62) 4-Bromofluorobenzene	12.477	95	23175	42.710	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 85.420%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.076	142	20	4.195	ug/l #	35
11) Tert butyl alcohol	4.942	59	49	Below Cal	#	77
13) Acrolein	3.729	56	25	30.825	ug/l #	14
16) Acetone	3.942	43	10035	87.188	ug/l	100
17) Carbon Disulfide	4.186	76	10689	11.997	ug/l	97
20) Methylene Chloride	4.704	84	8985	12.989	ug/l	89
23) Vinyl Acetate	6.063	43	30	Below Cal	#	75
25) 2-Butanone	6.978	43	3482	18.701	ug/l	99
31) Cyclohexane	7.783	56	1179	1.519	ug/l #	72
36) 1,1-Dichloropropene	7.777	75	3570	5.704	ug/l #	50
38) Carbon Tetrachloride	7.783	117	4595	6.865	ug/l #	11
59) 2-Hexanone	10.800	43	297	1.113	ug/l #	28
74) N-amyl acetate	12.129	43	837	1.624	ug/l #	47
76) 1,2,3-Trichloropropane	12.477	75	12390	44.188	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	12390	90.436	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.111	105	1512	1.003	ug/l	82
92) 1,2-Dibromo-3-Chloropr...	14.263	75	65	1.022	ug/l #	1
95) Naphthalene	15.226	128	1484	1.476	ug/l #	91

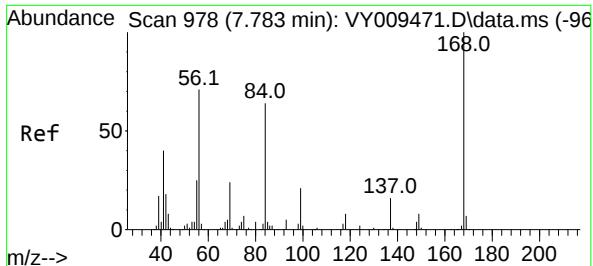
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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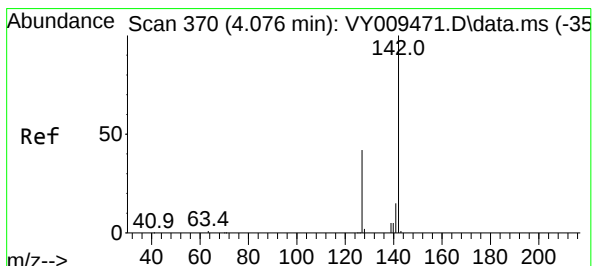
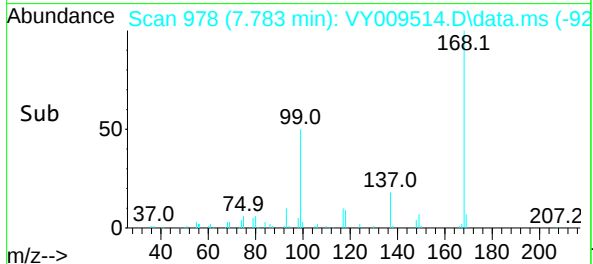
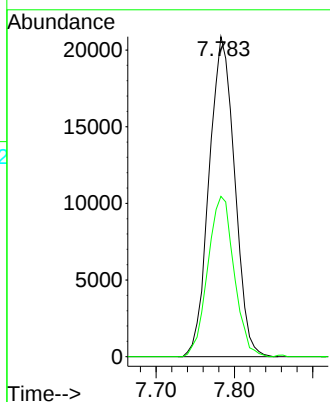
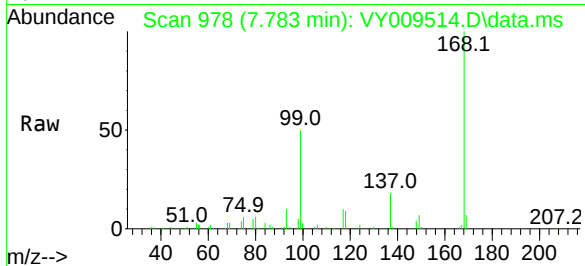




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009514.D
Acq: 11 Jul 2022 16:41

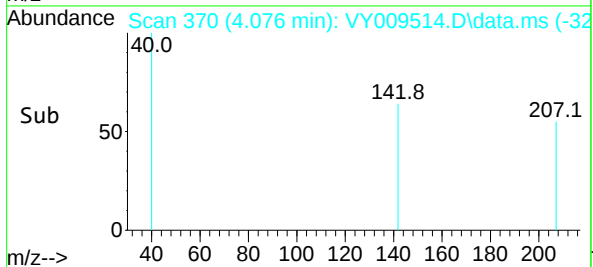
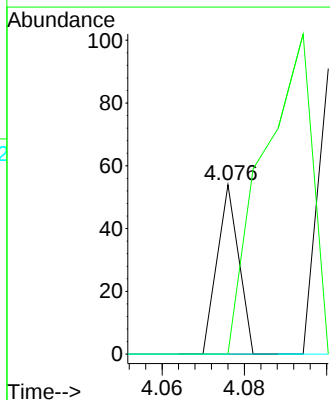
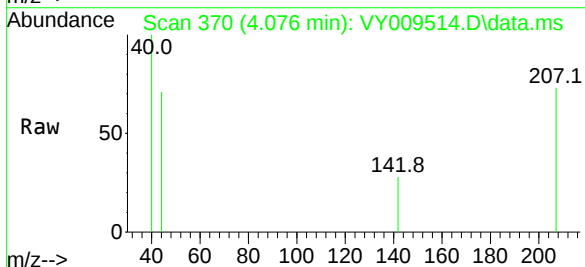
Instrument :
MSVOA_Y
ClientSampleId :

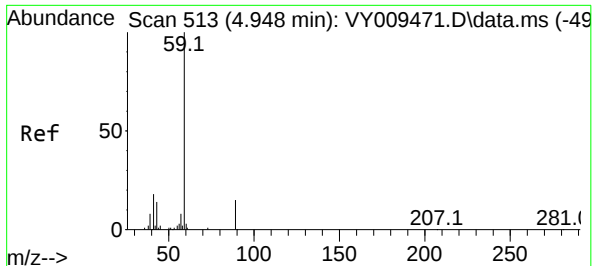
Tgt Ion:168 Resp: 47313
Ion Ratio Lower Upper
168 100
99 50.1 46.9 70.3



#10
Methyl Iodide
Concen: 4.195 ug/l
RT: 4.076 min Scan# 370
Delta R.T. 0.000 min
Lab File: VY009514.D
Acq: 11 Jul 2022 16:41

Tgt Ion:142 Resp: 20
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.942 min Scan# 51

Delta R.T. -0.006 min

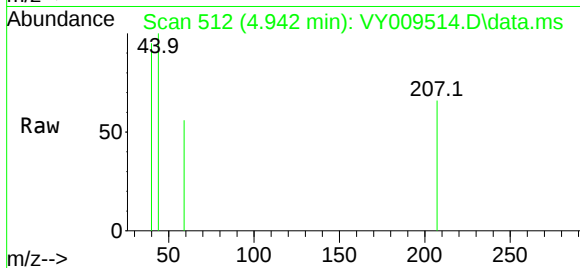
Lab File: VY009514.D

Acq: 11 Jul 2022 16:41

Instrument :

MSVOA_Y

ClientSampleId :

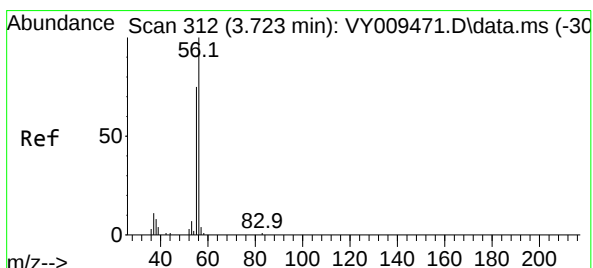
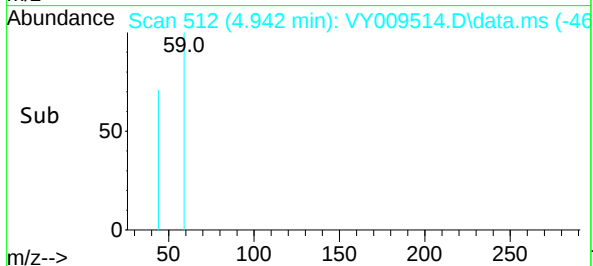
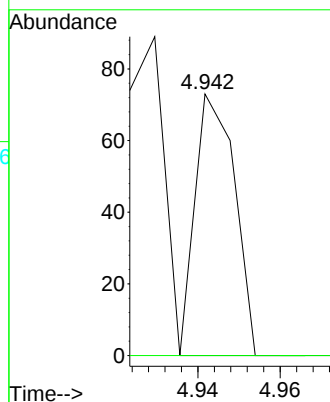


Tgt Ion: 59 Resp: 49

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#13

Acrolein

Concen: 30.825 ug/l

RT: 3.729 min Scan# 313

Delta R.T. 0.006 min

Lab File: VY009514.D

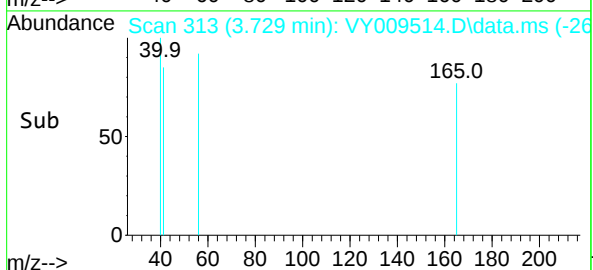
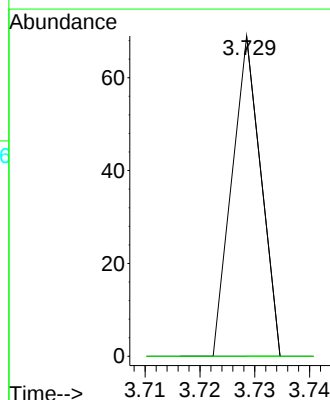
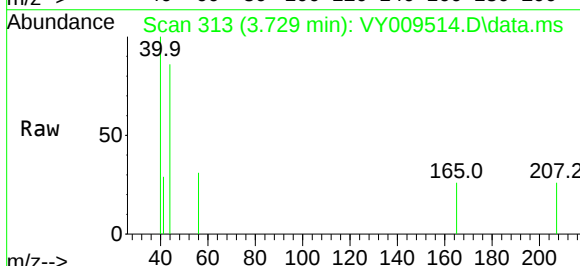
Acq: 11 Jul 2022 16:41

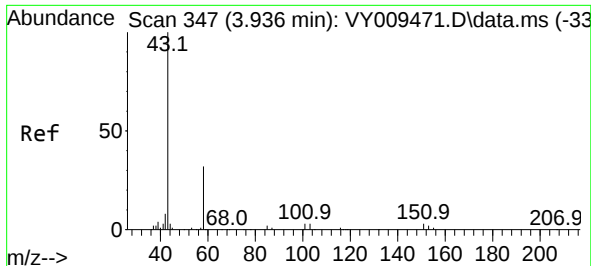
Tgt Ion: 56 Resp: 25

Ion Ratio Lower Upper

56 100

55 0.0 57.6 86.4#

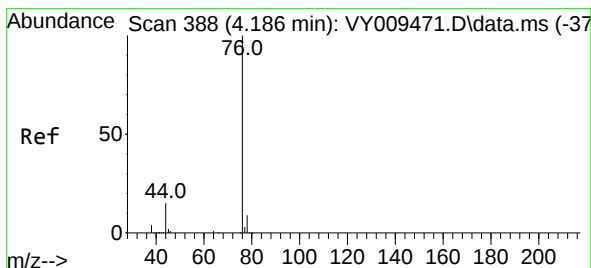
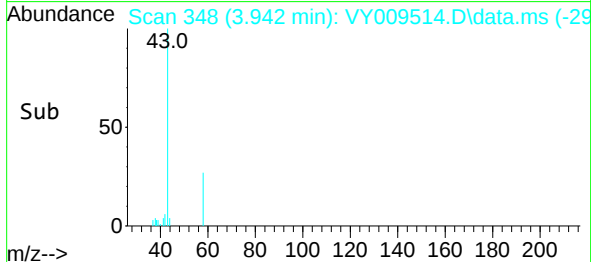
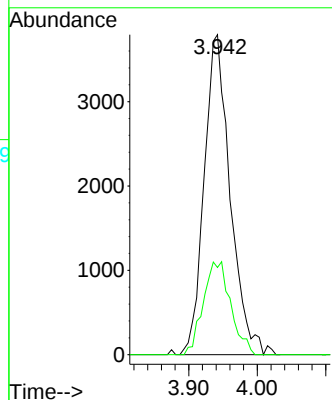
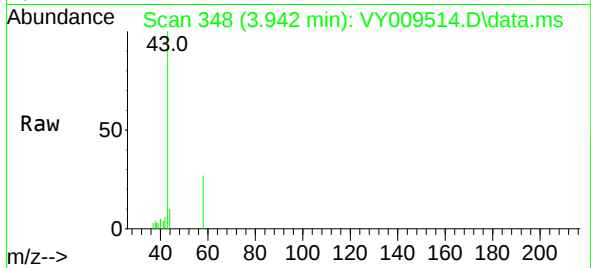




#16
Acetone
Concen: 87.188 ug/l
RT: 3.942 min Scan# 347
Delta R.T. 0.006 min
Lab File: VY009514.D
Acq: 11 Jul 2022 16:41

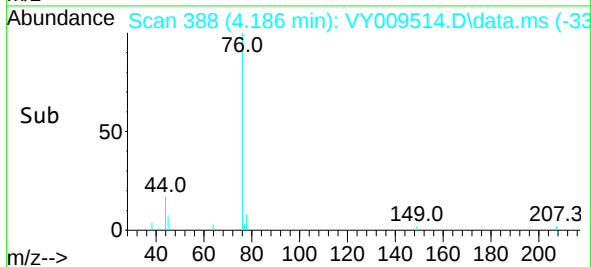
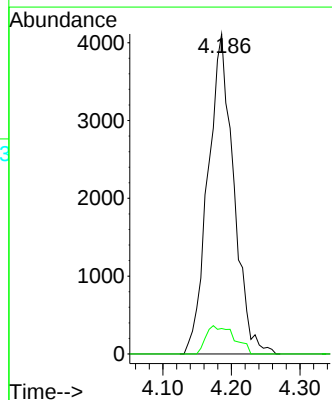
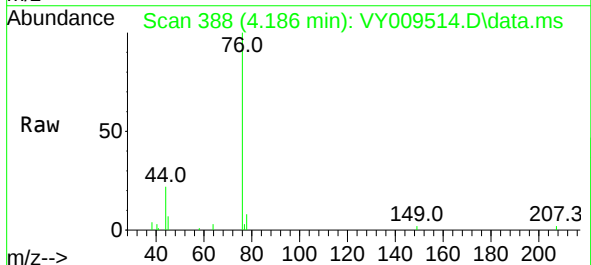
Instrument :
MSVOA_Y
ClientSampleId :

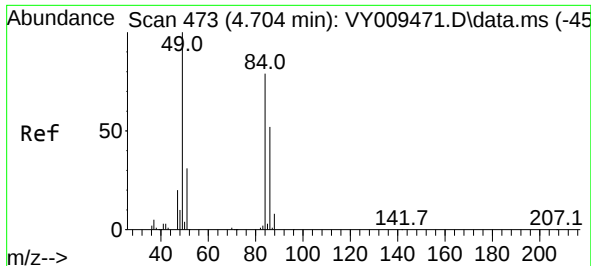
Tgt Ion: 43 Resp: 10035
Ion Ratio Lower Upper
43 100
58 27.3 22.0 33.0



#17
Carbon Disulfide
Concen: 11.997 ug/l
RT: 4.186 min Scan# 388
Delta R.T. -0.000 min
Lab File: VY009514.D
Acq: 11 Jul 2022 16:41

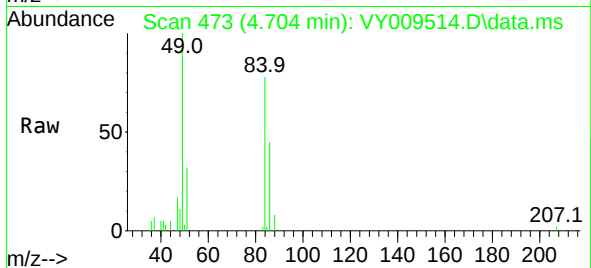
Tgt Ion: 76 Resp: 10689
Ion Ratio Lower Upper
76 100
78 8.0 7.4 11.0



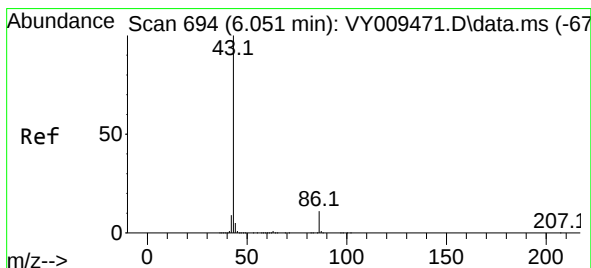
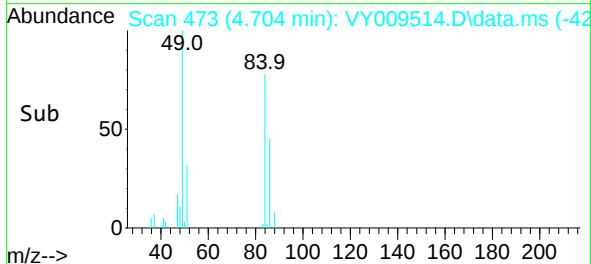
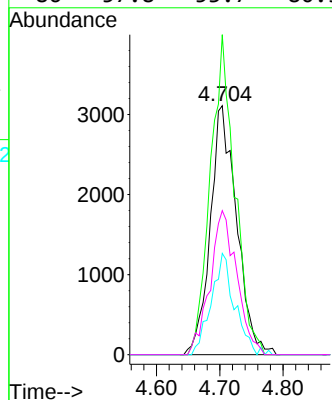


#20
Methylene Chloride
Concen: 12.989 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY009514.D
Acq: 11 Jul 2022 16:41

Instrument :
MSVOA_Y
ClientSampleId :

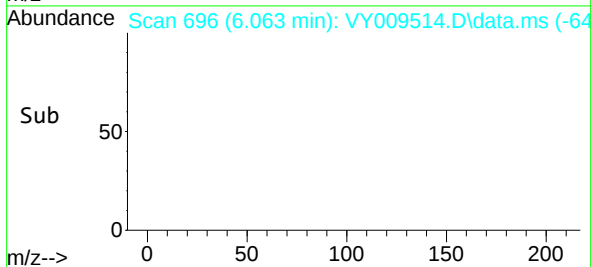
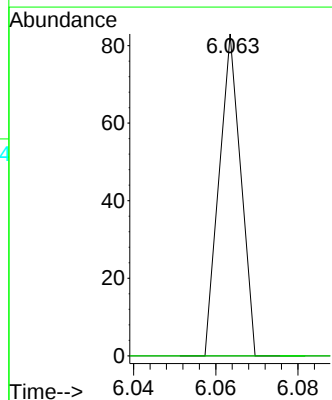
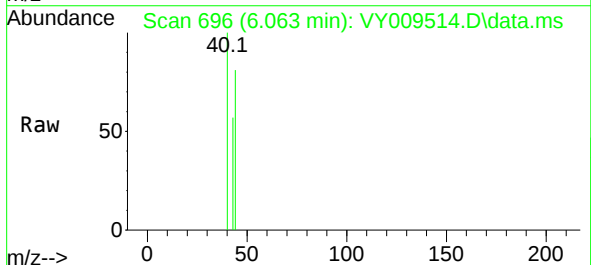


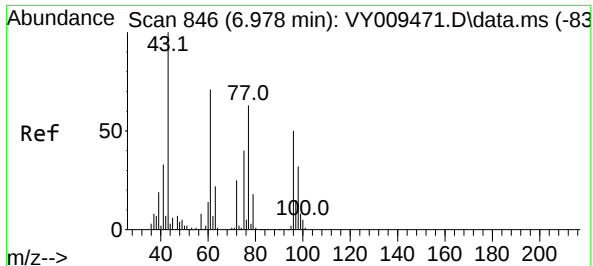
Tgt Ion: 84 Resp: 8985
Ion Ratio Lower Upper
84 100
49 128.5 114.4 171.6
51 40.7 35.3 52.9
86 57.8 53.7 80.5



#23
Vinyl Acetate
Concen: Below Cal
RT: 6.063 min Scan# 696
Delta R.T. 0.012 min
Lab File: VY009514.D
Acq: 11 Jul 2022 16:41

Tgt Ion: 43 Resp: 30
Ion Ratio Lower Upper
43 100
86 0.0 7.1 10.7#

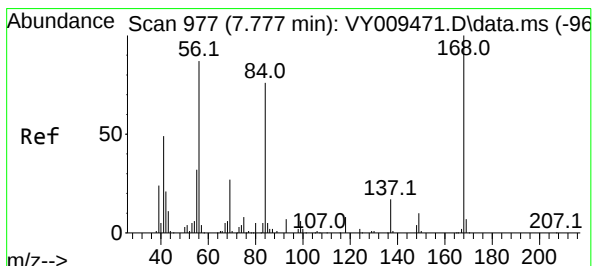
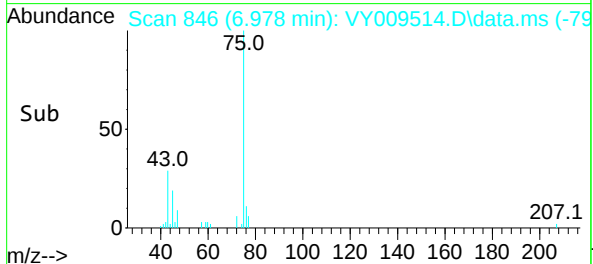
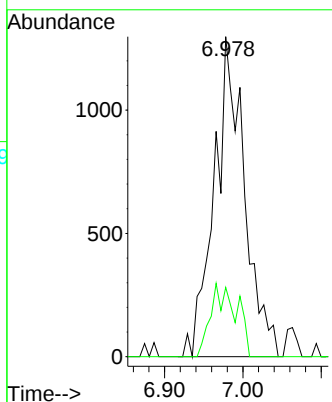
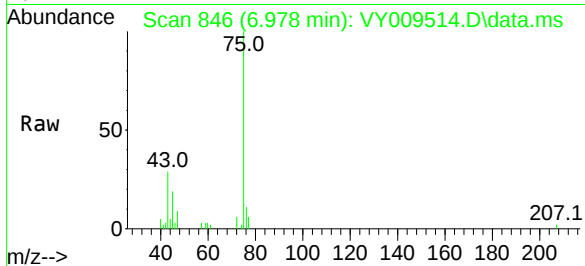




#25
2-Butanone
Concen: 18.701 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY009514.D
Acq: 11 Jul 2022 16:41

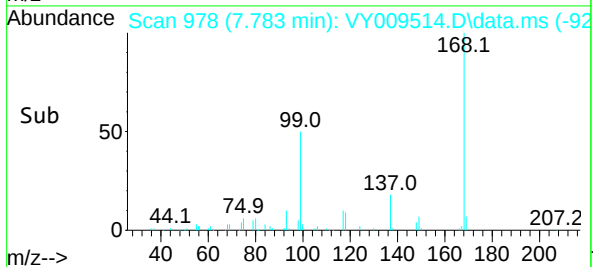
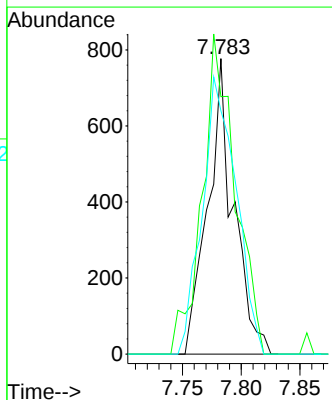
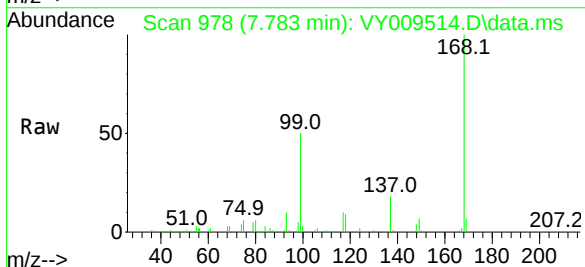
Instrument :
MSVOA_Y
ClientSampleId :

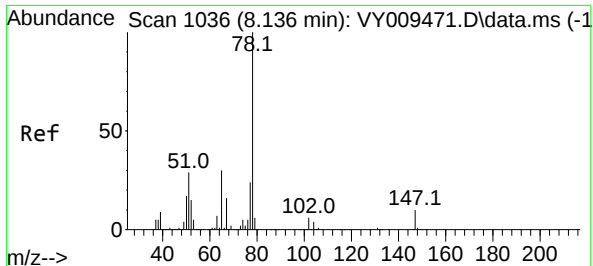
Tgt Ion: 43 Resp: 3482
Ion Ratio Lower Upper
43 100
72 21.6 17.7 26.5



#31
Cyclohexane
Concen: 1.519 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY009514.D
Acq: 11 Jul 2022 16:41

Tgt Ion: 56 Resp: 1179
Ion Ratio Lower Upper
56 100
69 87.1 26.7 40.1#
84 82.4 67.2 100.8





#33

1,2-Dichloroethane-d4

Concen: 56.732 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY009514.D

Acq: 11 Jul 2022 16:41

Instrument :

MSVOA_Y

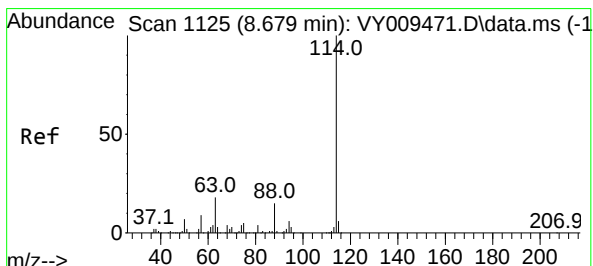
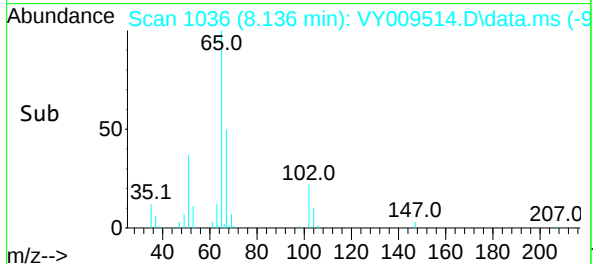
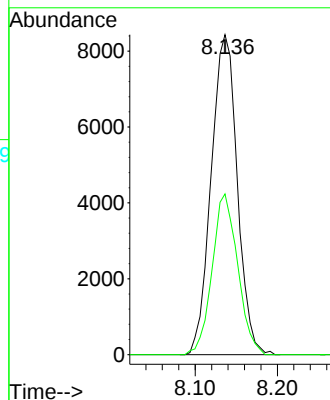
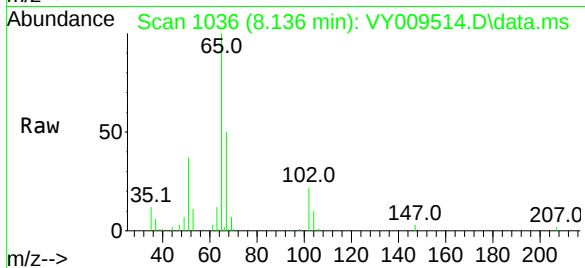
ClientSampleId :

Tgt Ion: 65 Resp: 18617

Ion Ratio Lower Upper

65 100

67 49.2 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY009514.D

Acq: 11 Jul 2022 16:41

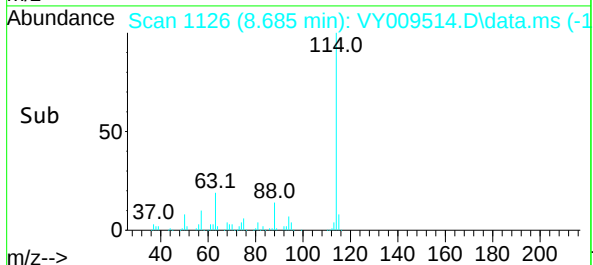
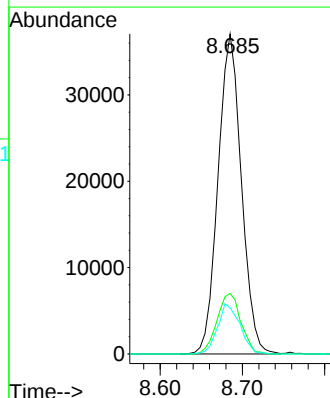
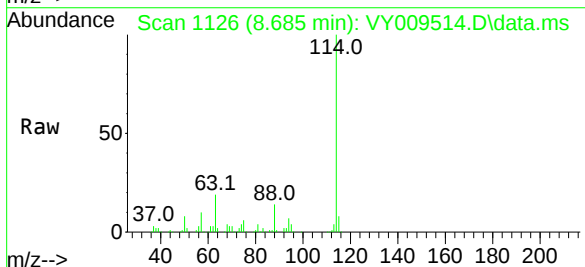
Tgt Ion: 114 Resp: 73057

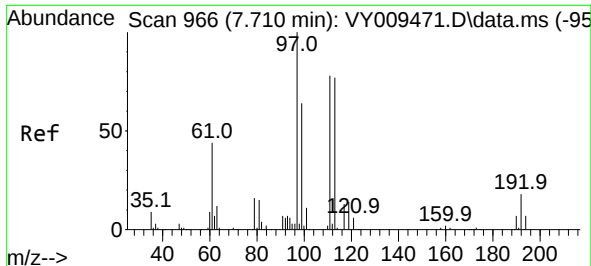
Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.2

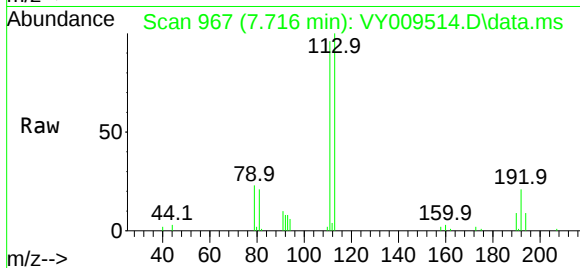
88 14.5 0.0 31.8



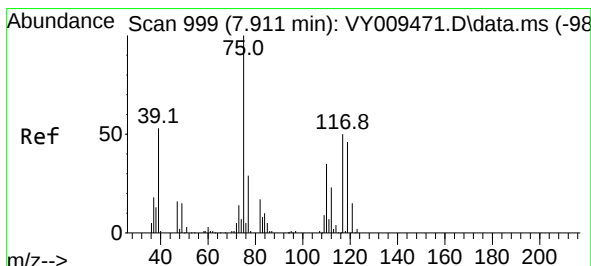
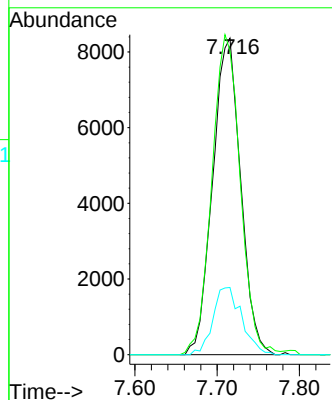
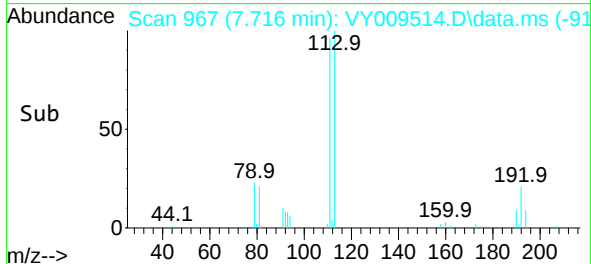


#35
Dibromofluoromethane
Concen: 51.477 ug/l
RT: 7.716 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY009514.D
Acq: 11 Jul 2022 16:41

Instrument :
MSVOA_Y
ClientSampleId :

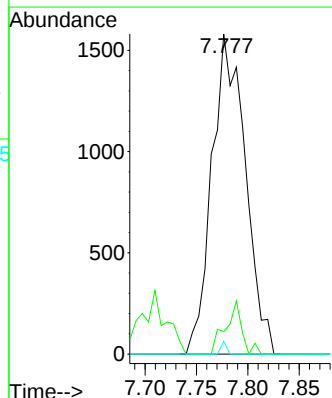
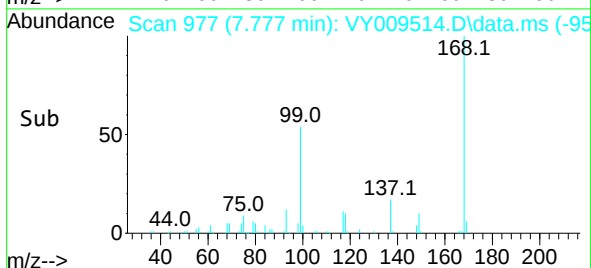
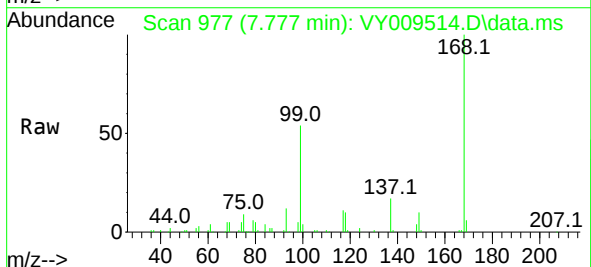


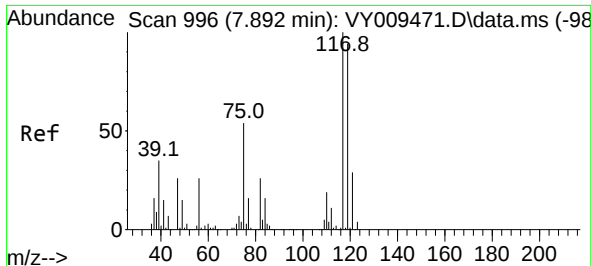
Tgt Ion:113 Resp: 19788
Ion Ratio Lower Upper
113 100
111 102.3 82.6 124.0
192 21.8 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.704 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.134 min
Lab File: VY009514.D
Acq: 11 Jul 2022 16:41

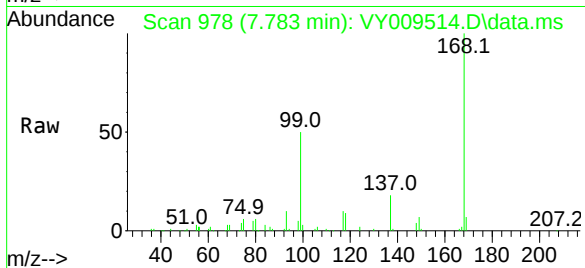
Tgt Ion: 75 Resp: 3570
Ion Ratio Lower Upper
75 100
110 8.2 17.1 51.2#
77 0.6 24.4 36.6#



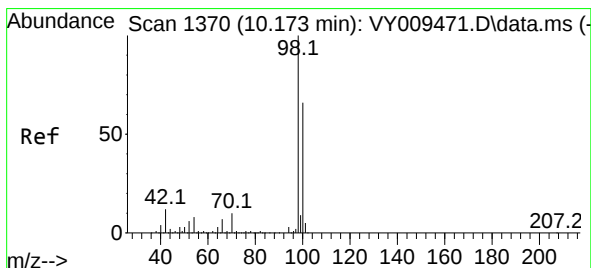
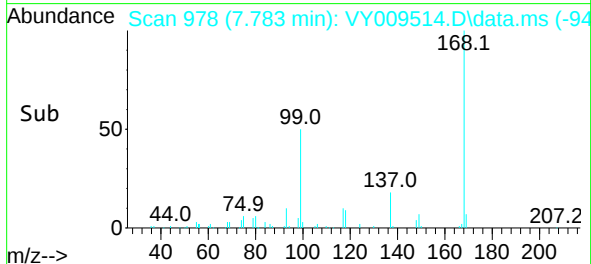
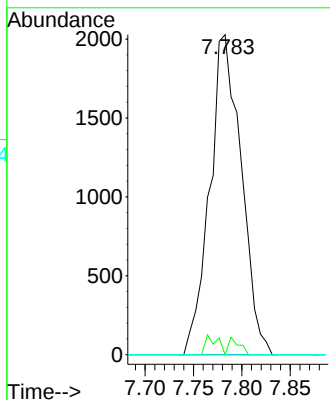


#38
Carbon Tetrachloride
Concen: 6.865 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY009514.D
Acq: 11 Jul 2022 16:41

Instrument :
MSVOA_Y
ClientSampleId :

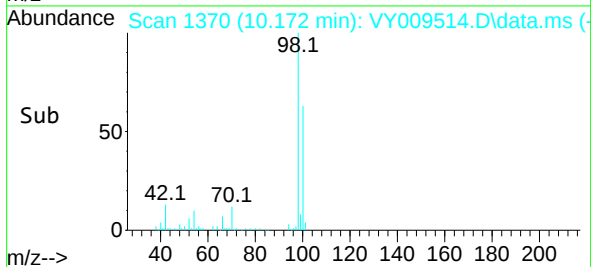
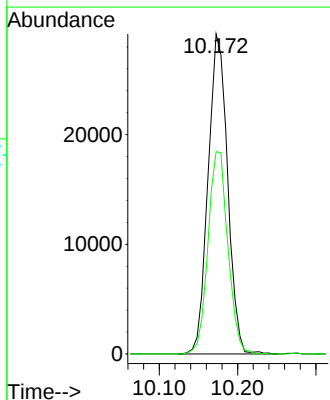
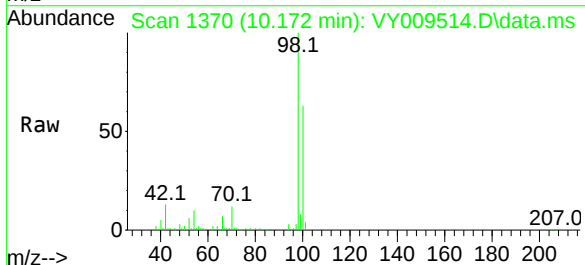


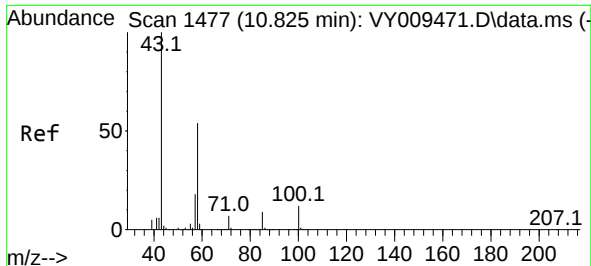
Tgt Ion:117 Resp: 4595
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 47.414 ug/l
RT: 10.172 min Scan# 1370
Delta R.T. -0.001 min
Lab File: VY009514.D
Acq: 11 Jul 2022 16:41

Tgt Ion: 98 Resp: 50414
Ion Ratio Lower Upper
98 100
100 64.4 50.2 75.2

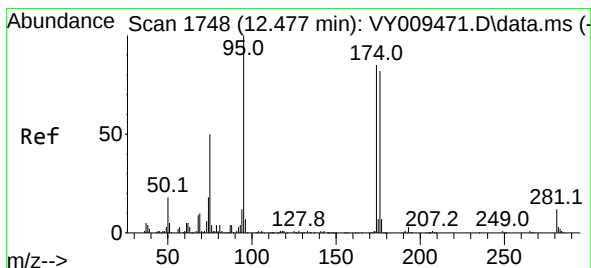
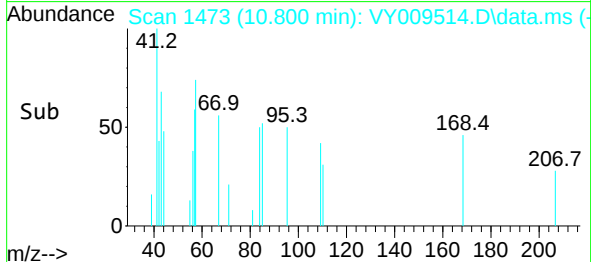
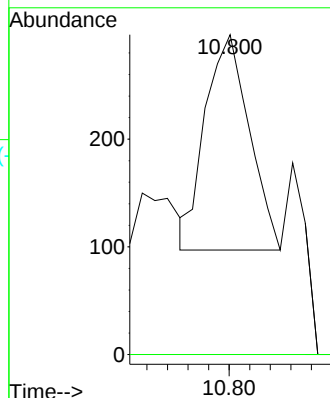
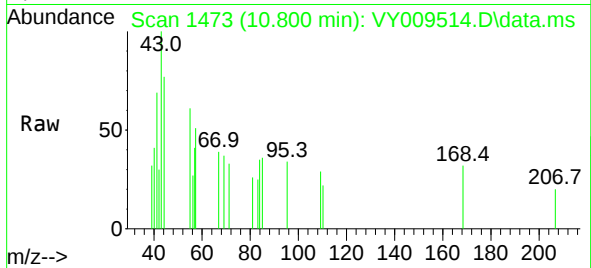




#59
2-Hexanone
Concen: 1.113 ug/l
RT: 10.800 min Scan# 1477
Delta R.T. -0.025 min
Lab File: VY009514.D
Acq: 11 Jul 2022 16:41

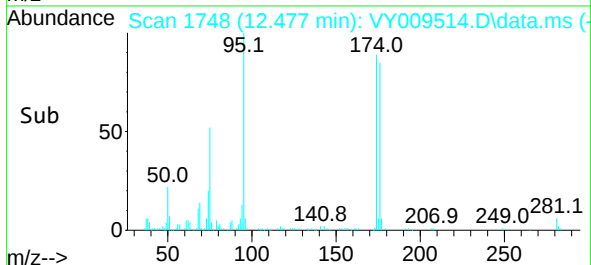
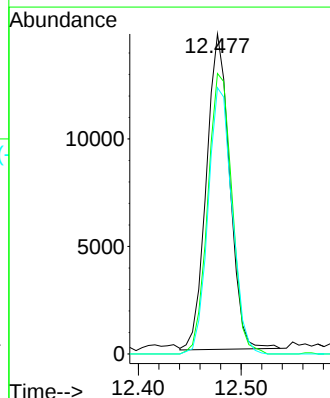
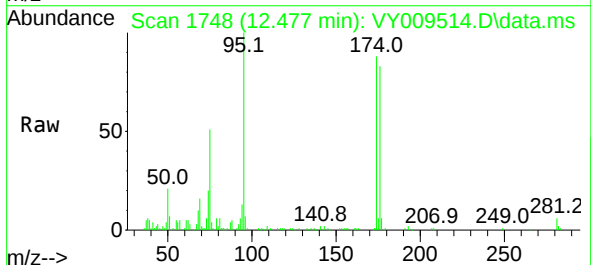
Instrument :
MSVOA_Y
ClientSampleId :

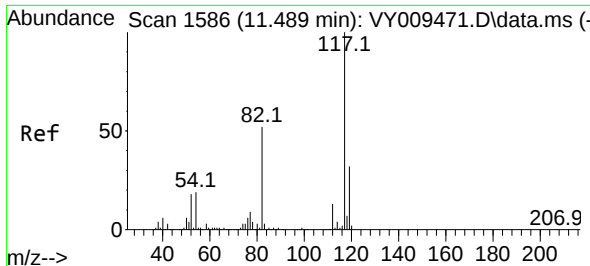
Tgt Ion: 43 Resp: 297
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#



#62
4-Bromofluorobenzene
Concen: 42.710 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY009514.D
Acq: 11 Jul 2022 16:41

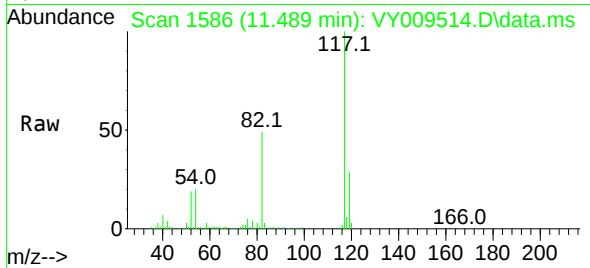
Tgt Ion: 95 Resp: 23175
Ion Ratio Lower Upper
95 100
174 92.3 0.0 177.0
176 86.5 0.0 175.8



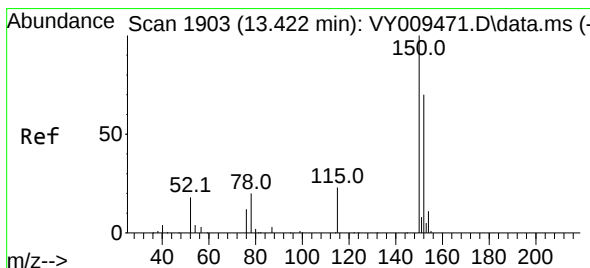
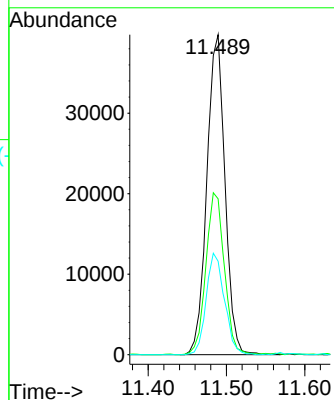
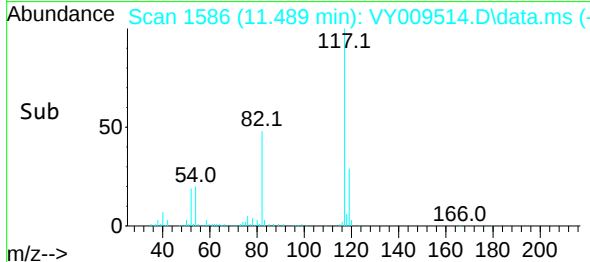


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY009514.D
Acq: 11 Jul 2022 16:41

Instrument :
MSVOA_Y
ClientSampleId :

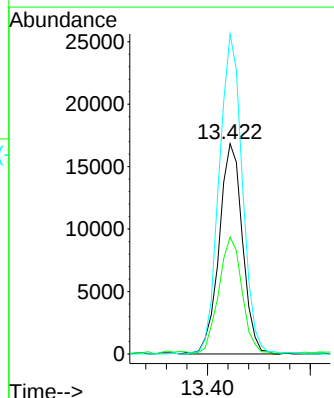
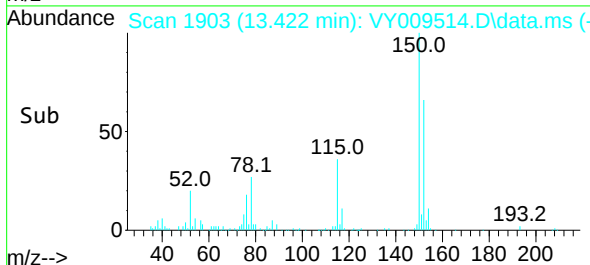
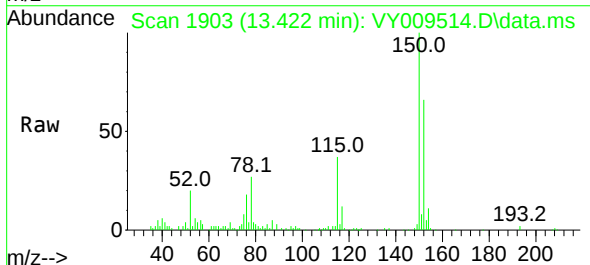


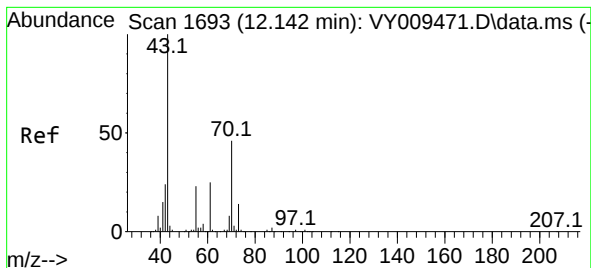
Tgt Ion:	117	Resp:	63756
Ion Ratio	Lower	Upper	
117	100		
82	48.7	43.0	64.4
119	29.2	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY009514.D
Acq: 11 Jul 2022 16:41

Tgt Ion:	152	Resp:	26488
Ion Ratio	Lower	Upper	
152	100		
115	55.0	28.2	84.7
150	151.2	0.0	347.6





#74

N-amy1 acetate

Concen: 1.624 ug/l

RT: 12.129 min Scan# 1

Delta R.T. -0.013 min

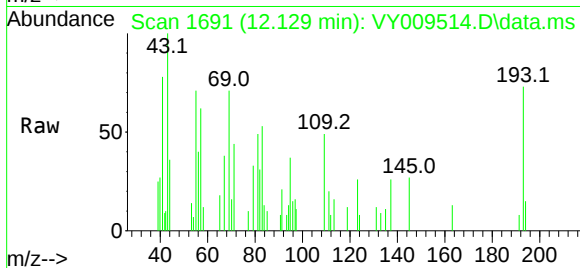
Lab File: VY009514.D

Acq: 11 Jul 2022 16:41

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 43 Resp: 837

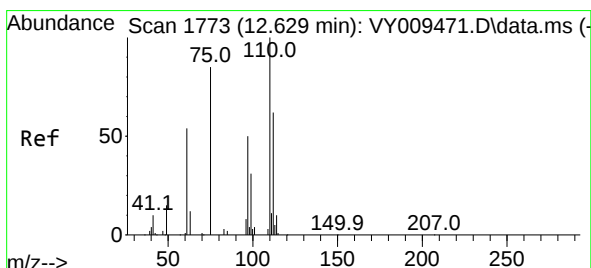
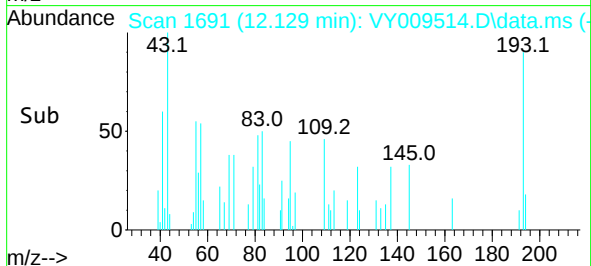
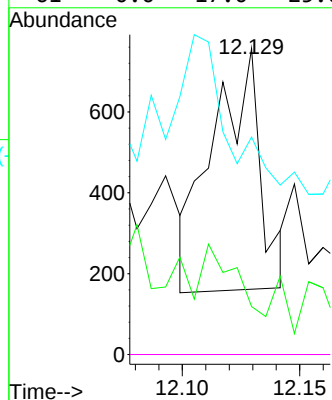
Ion Ratio Lower Upper

43 100

70 0.0 28.7 43.1#

55 0.0 17.3 25.9#

61 0.0 17.0 25.6#



#76

1,2,3-Trichloropropane

Concen: 44.188 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY009514.D

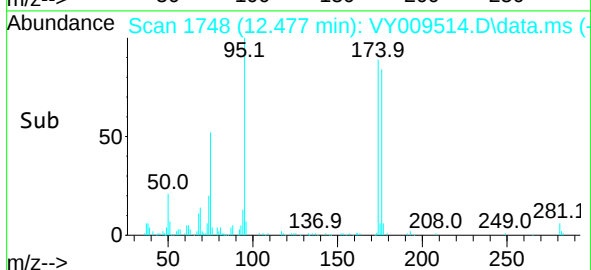
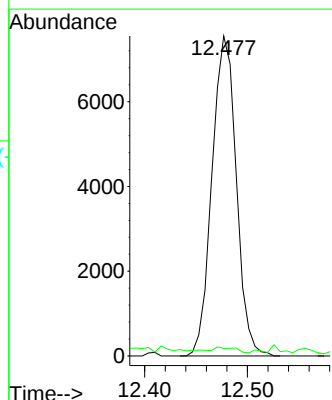
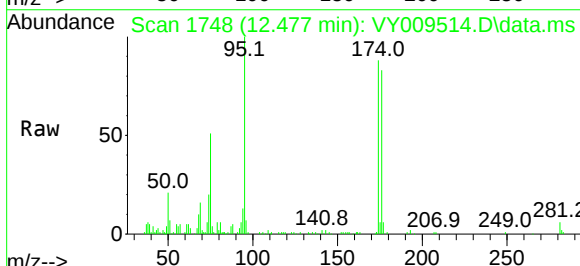
Acq: 11 Jul 2022 16:41

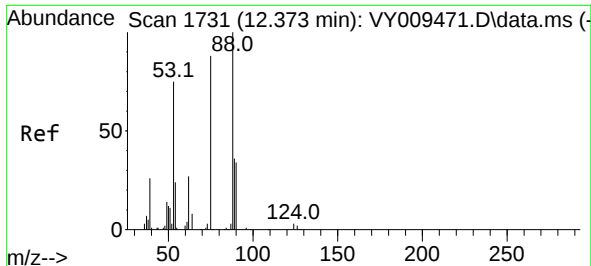
Tgt Ion: 75 Resp: 12390

Ion Ratio Lower Upper

75 100

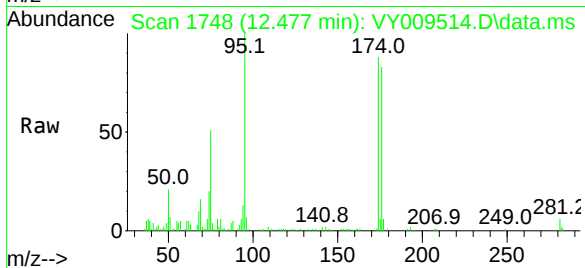
77 1.5 0.0 0.0#



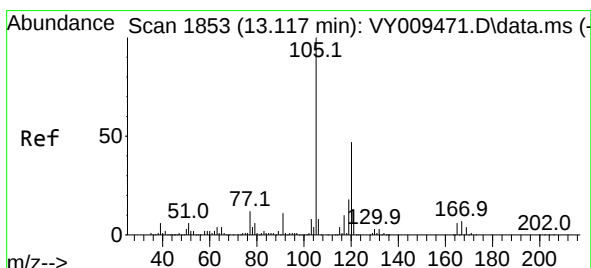
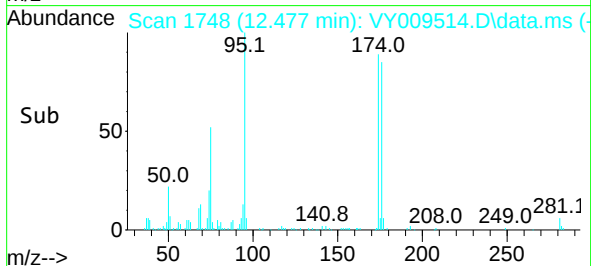
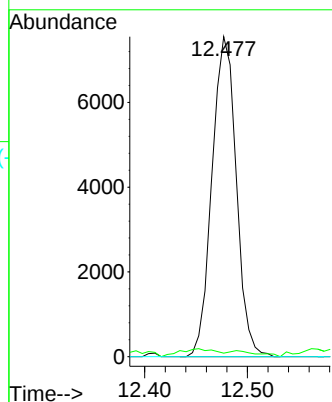


#81
trans-1,4-Dichloro-2-butene
Concen: 90.436 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009514.D
Acq: 11 Jul 2022 16:41

Instrument :
MSVOA_Y
ClientSampleId :

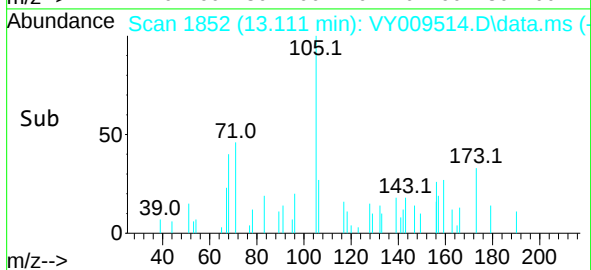
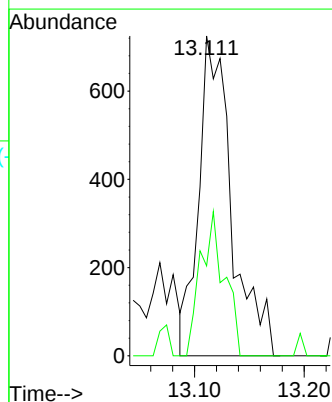
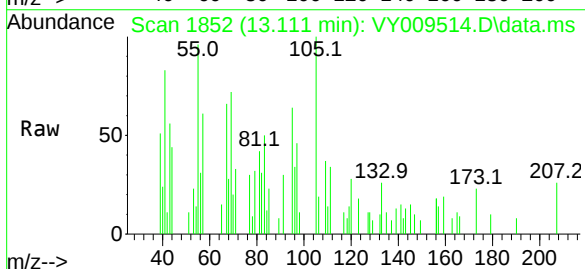


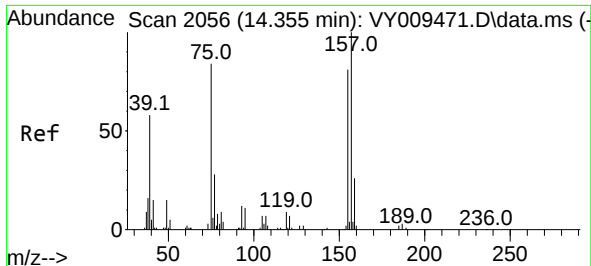
Tgt Ion: 75 Resp: 12390
Ion Ratio Lower Upper
75 100
53 2.1 85.3 127.9#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.003 ug/l
RT: 13.111 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VY009514.D
Acq: 11 Jul 2022 16:41

Tgt Ion: 105 Resp: 1512
Ion Ratio Lower Upper
105 100
120 32.7 22.3 66.9

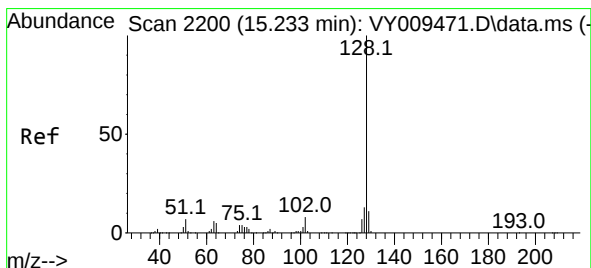
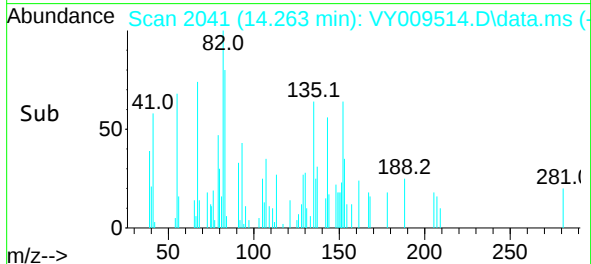
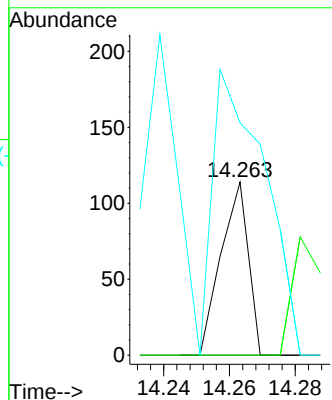
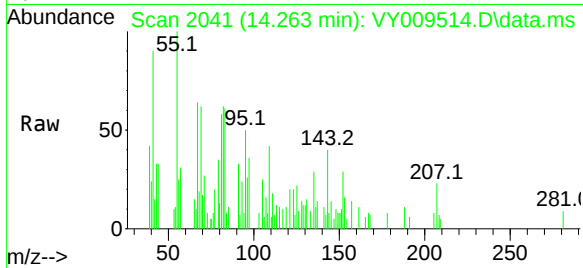




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.022 ug/l
RT: 14.263 min Scan# 2056
Delta R.T. -0.092 min
Lab File: VY009514.D
Acq: 11 Jul 2022 16:41

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 65
Ion Ratio Lower Upper
75 100
155 0.0 38.0 113.9#
157 316.9 47.8 143.3#



#95
Naphthalene
Concen: 1.476 ug/l
RT: 15.226 min Scan# 2199
Delta R.T. -0.007 min
Lab File: VY009514.D
Acq: 11 Jul 2022 16:41

Tgt Ion:128 Resp: 1484
Ion Ratio Lower Upper
128 100
127 19.7 11.0 16.4#
129 11.3 8.4 12.6

