

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092722\
 Data File : VY010701.D
 Acq On : 27 Sep 2022 16:23
 Operator : KP/MD
 Sample : N4808-02
 Misc : 6.80g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 28 01:26:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

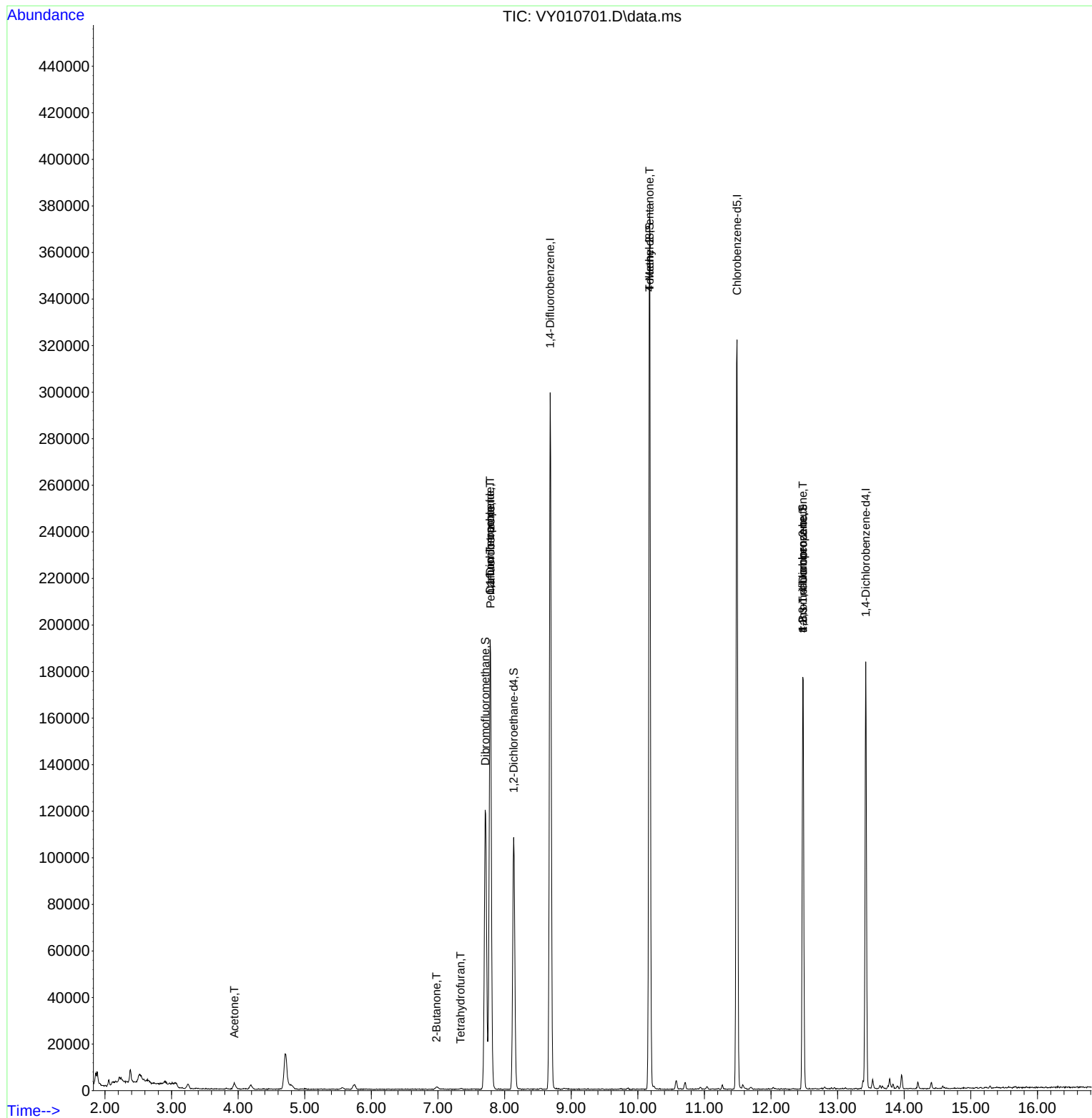
Internal Standards						
1) Pentafluorobenzene	7.789	168	149156	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	248876	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	178949	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	45694	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	84604	59.303	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.600%
35) Dibromofluoromethane	7.710	113	85532	53.850	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.700%
50) Toluene-d8	10.179	98	242730	41.890	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	83.780%
62) 4-Bromofluorobenzene	12.477	95	51383	22.077	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	44.160%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	57	Below Cal	#	43
3) Chloromethane	2.113	50	420	Below Cal		97
4) Vinyl Chloride	2.259	62	23	Below Cal	#	43
5) Bromomethane	2.656	94	289	Below Cal	#	62
11) Tert butyl alcohol	4.948	59	43	Below Cal	#	77
16) Acetone	3.942	43	4506	15.488	ug/l #	86
17) Carbon Disulfide	4.192	76	2999	Below Cal	#	93
18) Methyl Acetate	4.466	43	32	Below Cal	#	56
20) Methylene Chloride	4.704	84	11493	Below Cal	#	88
25) 2-Butanone	6.978	43	1499	3.294	ug/l	96
29) Tetrahydrofuran	7.338	42	329	1.177	ug/l #	52
31) Cyclohexane	7.783	56	3139	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	11567	6.536	ug/l #	51
38) Carbon Tetrachloride	7.783	117	15215	7.477	ug/l #	15
51) 4-Methyl-2-Pentanone	10.179	43	1197	1.132	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	26987	61.880	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	26987	137.586	ug/l #	7

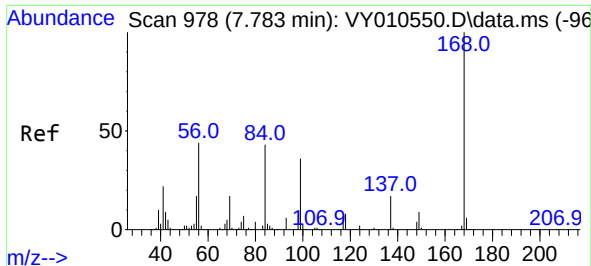
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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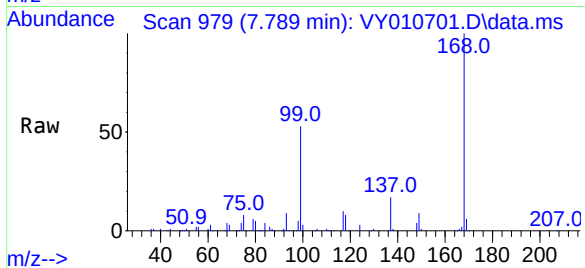
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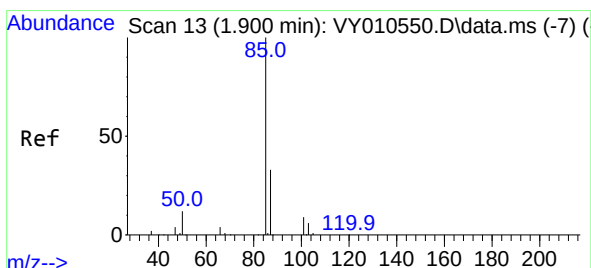
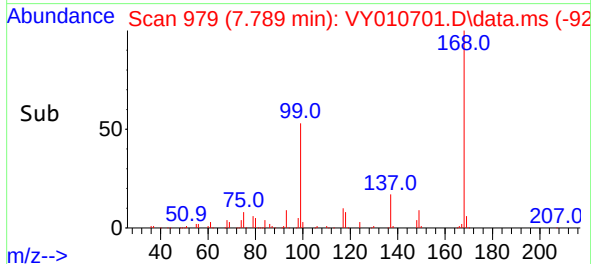
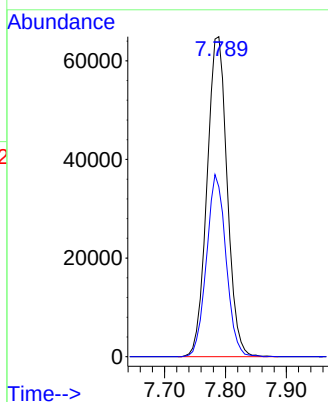


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010701.D
Acq: 27 Sep 2022 16:23

Instrument :
MSVOA_Y
ClientSampleId :

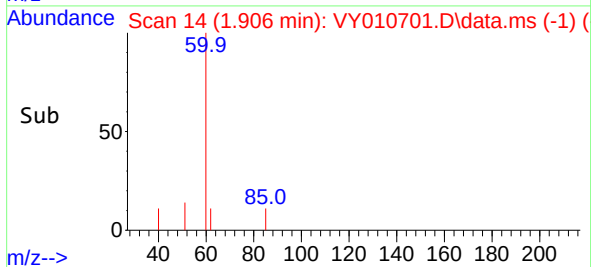
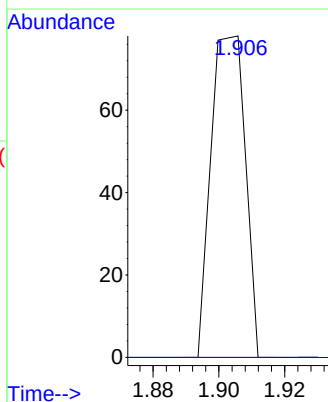
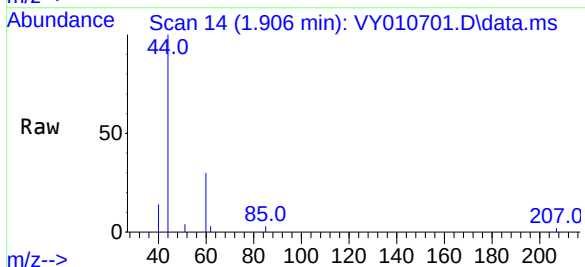


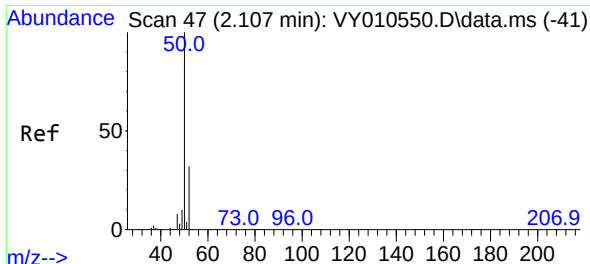
Tgt Ion:168 Resp: 149156
Ion Ratio Lower Upper
168 100
99 53.0 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY010701.D
Acq: 27 Sep 2022 16:23

Tgt Ion: 85 Resp: 57
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

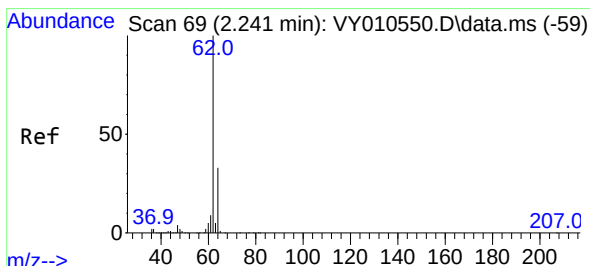
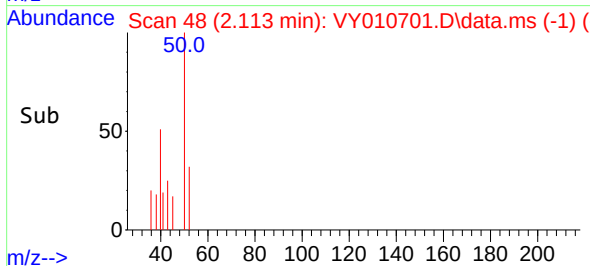
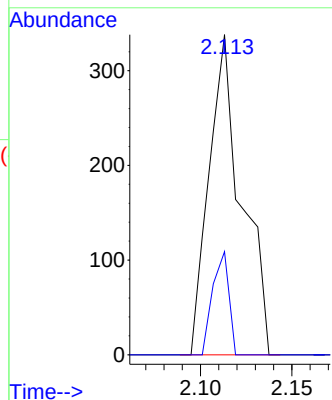
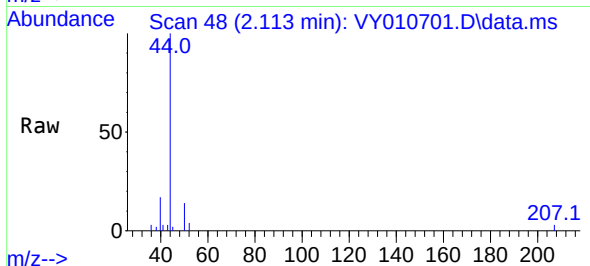




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010701.D
Acq: 27 Sep 2022 16:23

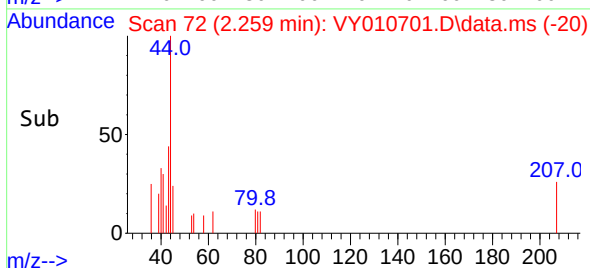
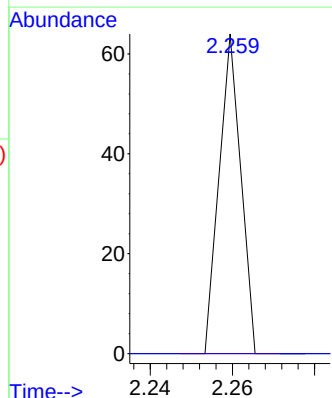
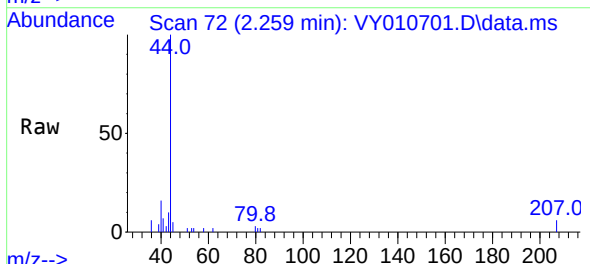
Instrument :
MSVOA_Y
ClientSampleId :

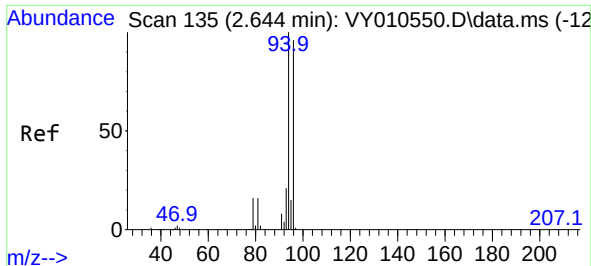
Tgt Ion: 50 Resp: 420
Ion Ratio Lower Upper
50 100
52 32.2 24.6 37.0



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.259 min Scan# 72
Delta R.T. 0.018 min
Lab File: VY010701.D
Acq: 27 Sep 2022 16:23

Tgt Ion: 62 Resp: 23
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

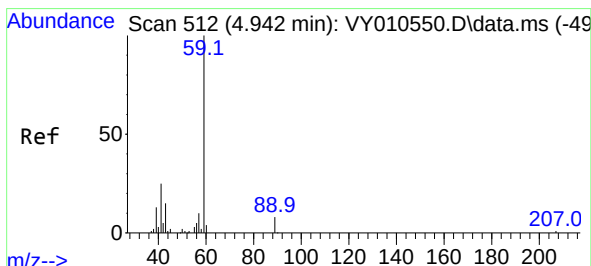
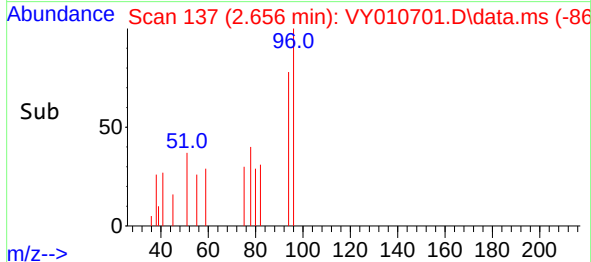
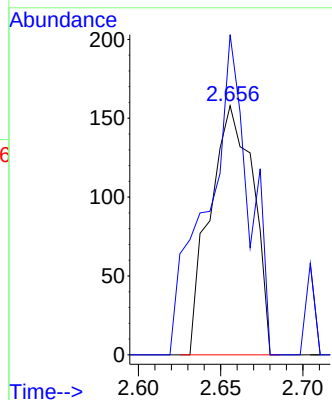
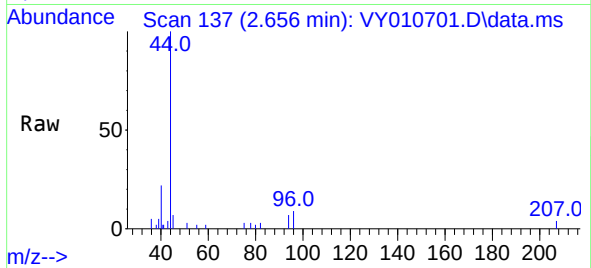




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY010701.D
Acq: 27 Sep 2022 16:23

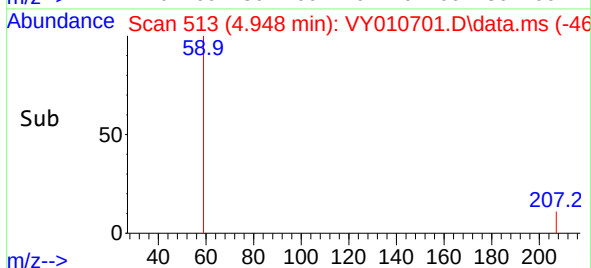
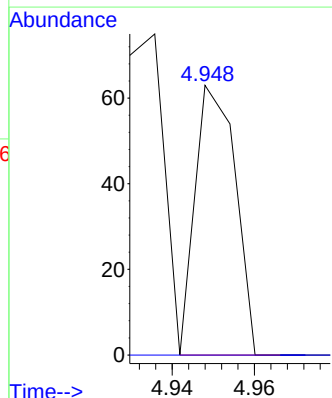
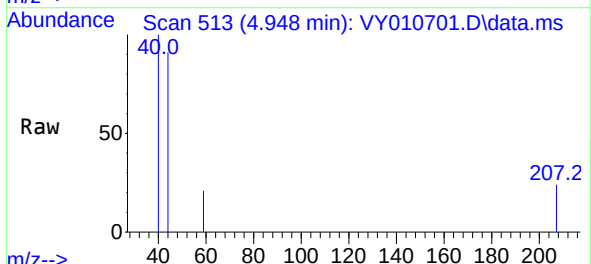
Instrument :
MSVOA_Y
ClientSampleId :

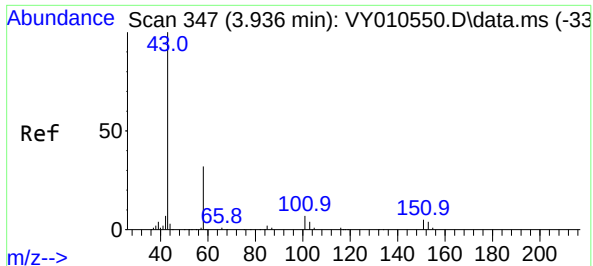
Tgt Ion: 94 Resp: 289
Ion Ratio Lower Upper
94 100
96 128.5 73.5 110.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. 0.006 min
Lab File: VY010701.D
Acq: 27 Sep 2022 16:23

Tgt Ion: 59 Resp: 43
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

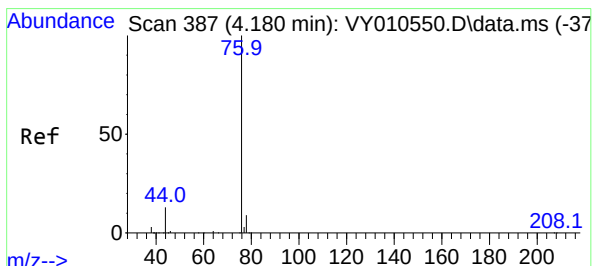
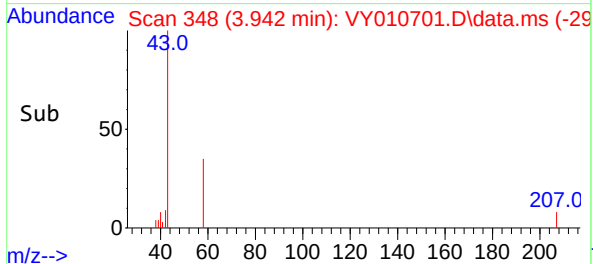
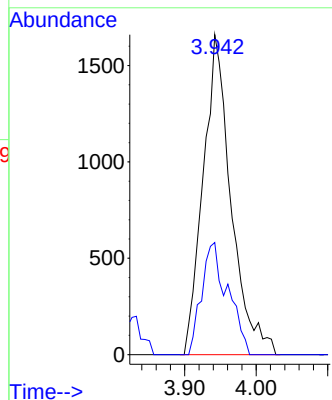
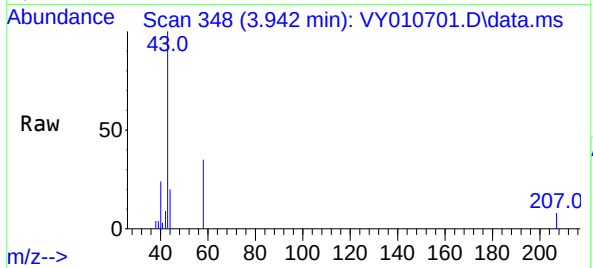




#16
Acetone
Concen: 15.488 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY010701.D
Acq: 27 Sep 2022 16:23

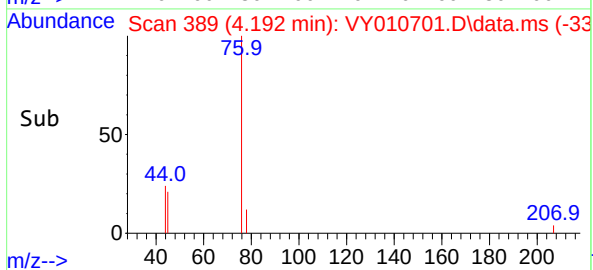
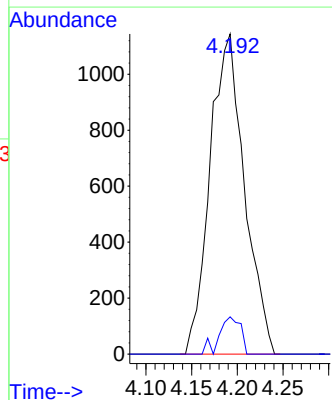
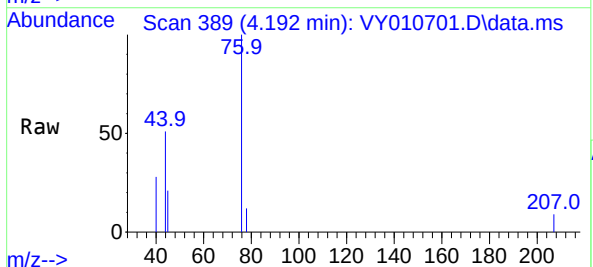
Instrument :
MSVOA_Y
ClientSampleId :

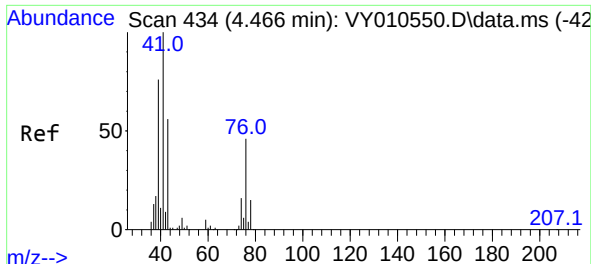
Tgt Ion: 43 Resp: 4506
Ion Ratio Lower Upper
43 100
58 35.1 22.0 33.0#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.192 min Scan# 389
Delta R.T. 0.012 min
Lab File: VY010701.D
Acq: 27 Sep 2022 16:23

Tgt Ion: 76 Resp: 2999
Ion Ratio Lower Upper
76 100
78 11.6 7.4 11.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.466 min Scan# 41

Delta R.T. 0.000 min

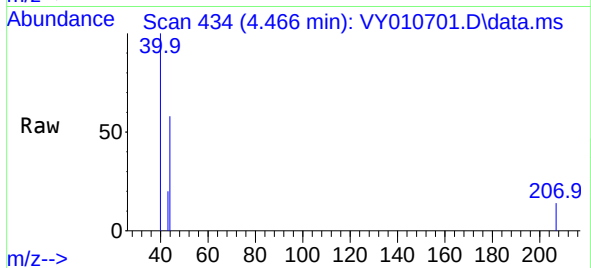
Lab File: VY010701.D

Acq: 27 Sep 2022 16:23

Instrument :

MSVOA_Y

ClientSampleId :

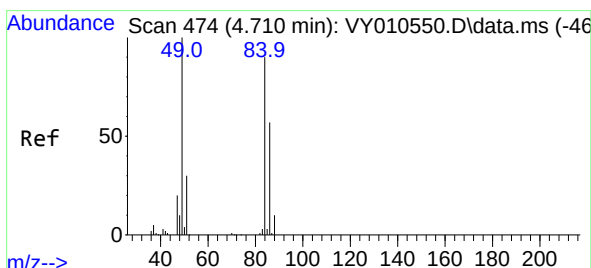
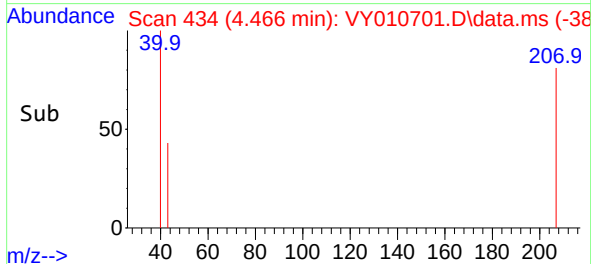
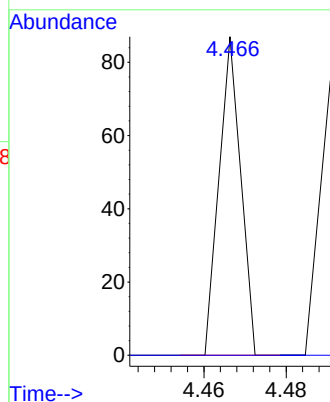


Tgt Ion: 43 Resp: 32

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.704 min Scan# 473

Delta R.T. -0.006 min

Lab File: VY010701.D

Acq: 27 Sep 2022 16:23

Tgt Ion: 84 Resp: 11493

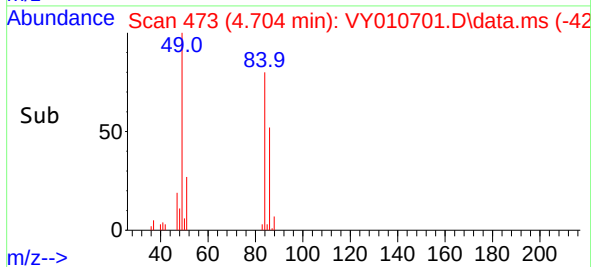
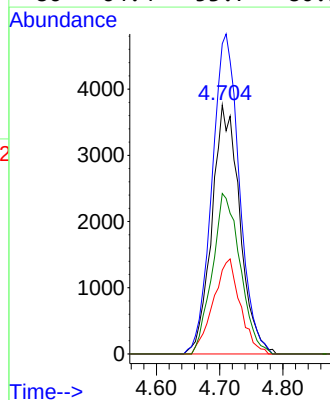
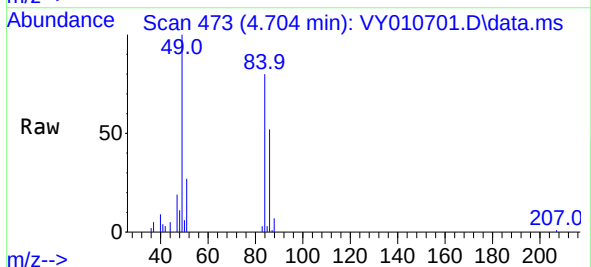
Ion Ratio Lower Upper

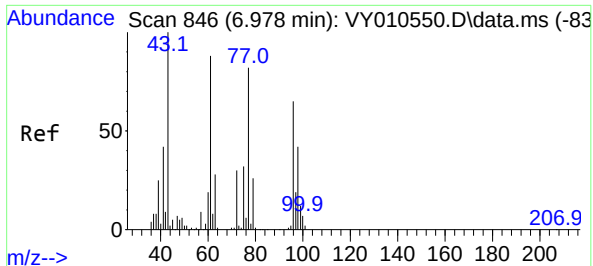
84 100

49 124.6 114.4 171.6

51 33.7 35.3 52.9#

86 64.4 53.7 80.5





#25

2-Butanone

Concen: 3.294 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

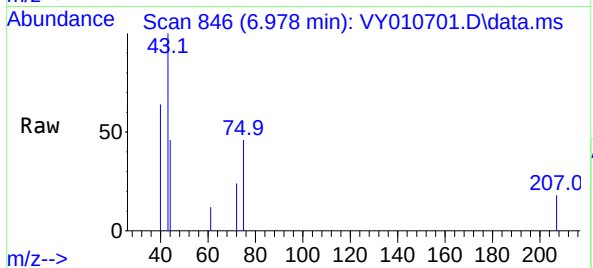
Lab File: VY010701.D

Acq: 27 Sep 2022 16:23

Instrument :

MSVOA_Y

ClientSampleId :

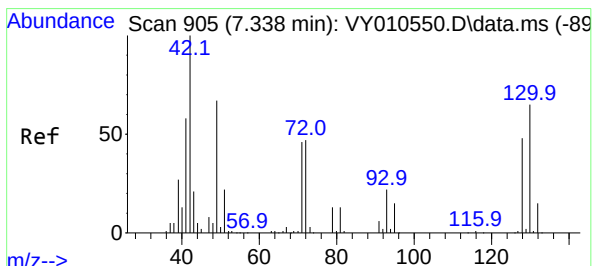
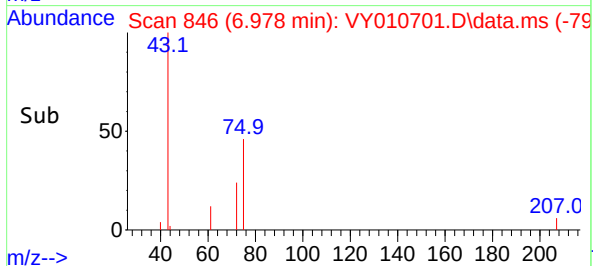
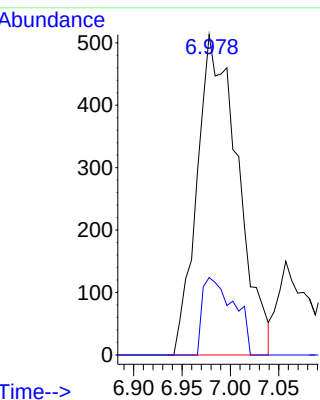


Tgt Ion: 43 Resp: 1499

Ion Ratio Lower Upper

43 100

72 24.2 17.7 26.5



#29

Tetrahydrofuran

Concen: 1.177 ug/l

RT: 7.338 min Scan# 905

Delta R.T. -0.000 min

Lab File: VY010701.D

Acq: 27 Sep 2022 16:23

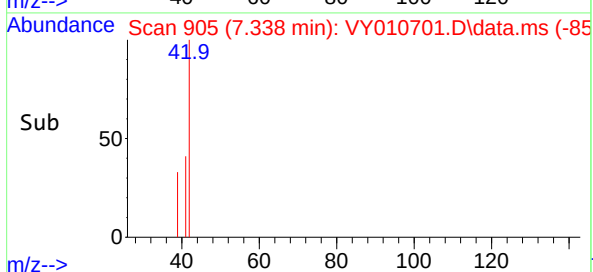
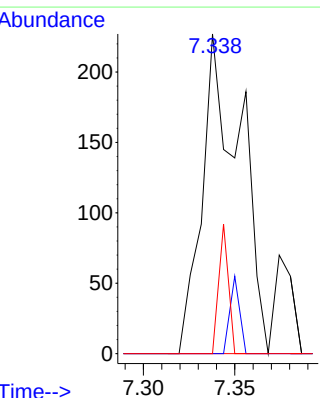
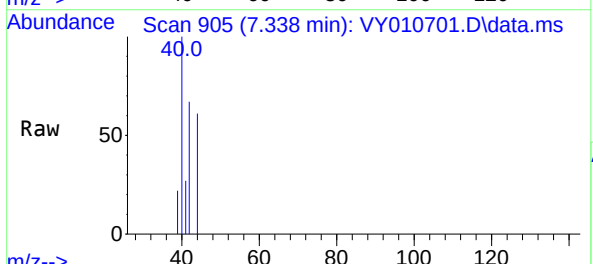
Tgt Ion: 42 Resp: 329

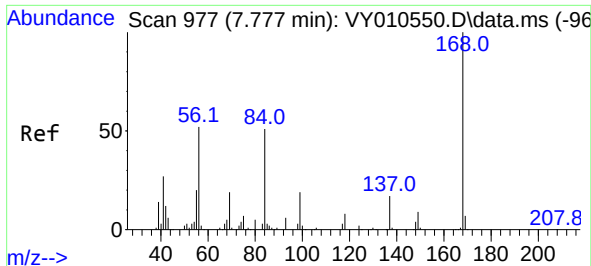
Ion Ratio Lower Upper

42 100

72 6.1 30.3 45.5#

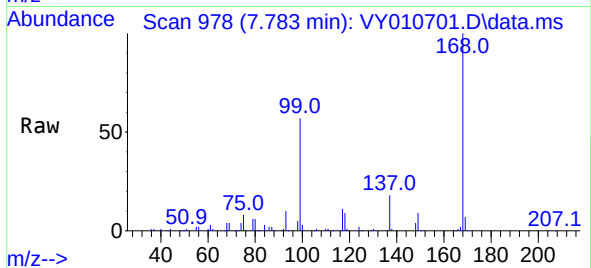
71 10.3 29.0 43.4#



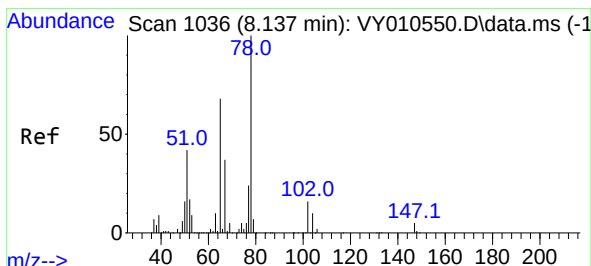
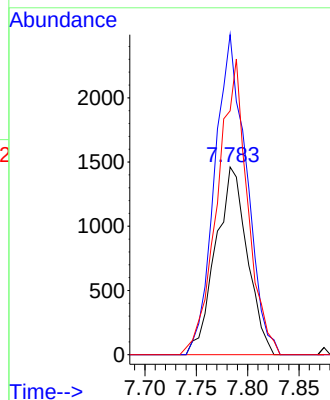
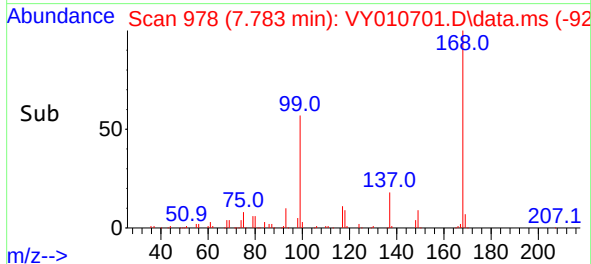


#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010701.D
Acq: 27 Sep 2022 16:23

Instrument :
MSVOA_Y
ClientSampleId :

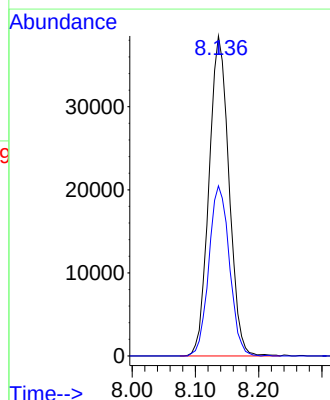
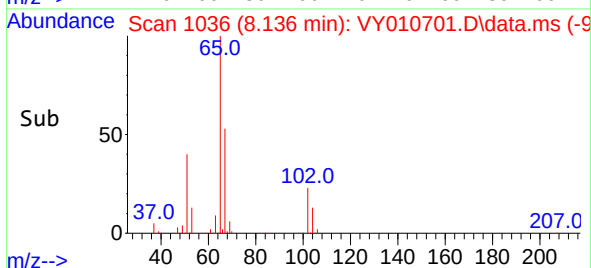
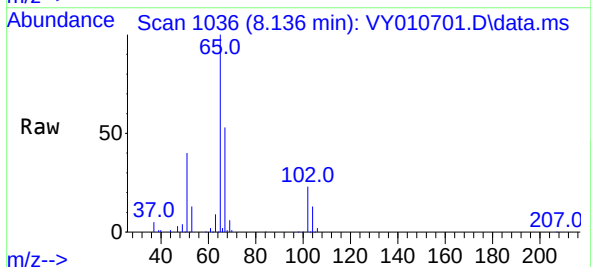


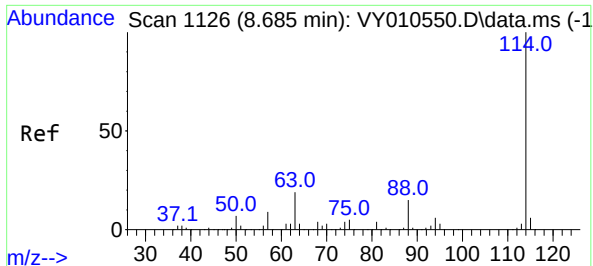
Tgt Ion: 56 Resp: 3139
Ion Ratio Lower Upper
56 100
69 170.6 26.7 40.1#
84 130.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 59.303 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY010701.D
Acq: 27 Sep 2022 16:23

Tgt Ion: 65 Resp: 84604
Ion Ratio Lower Upper
65 100
67 54.4 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010701.D

Acq: 27 Sep 2022 16:23

Instrument :

MSVOA_Y

ClientSampleId :

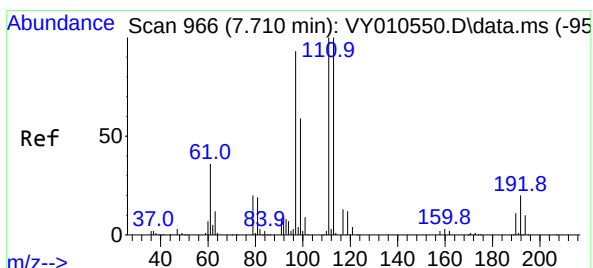
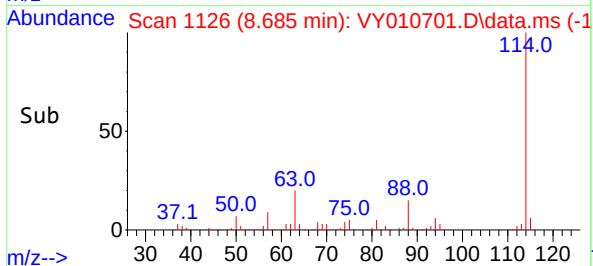
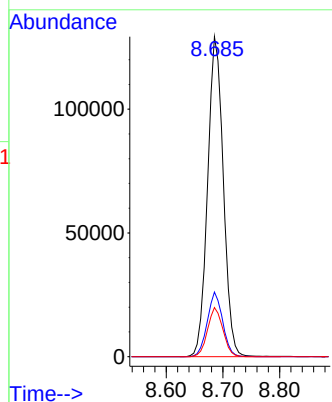
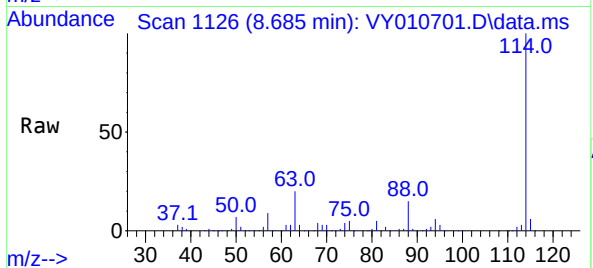
Tgt Ion:114 Resp: 248876

Ion Ratio Lower Upper

114 100

63 20.2 0.0 43.2

88 15.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 53.850 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010701.D

Acq: 27 Sep 2022 16:23

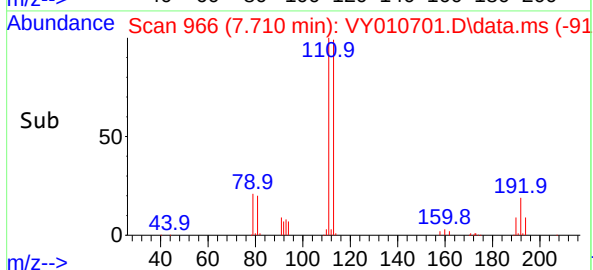
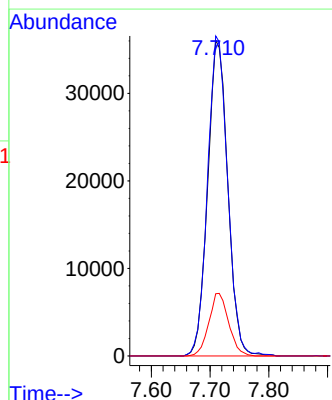
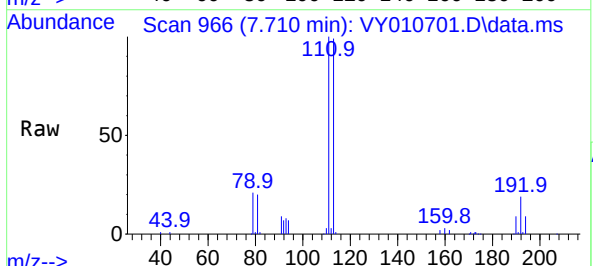
Tgt Ion:113 Resp: 85532

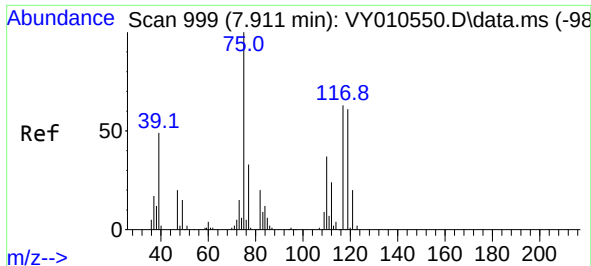
Ion Ratio Lower Upper

113 100

111 101.3 82.6 124.0

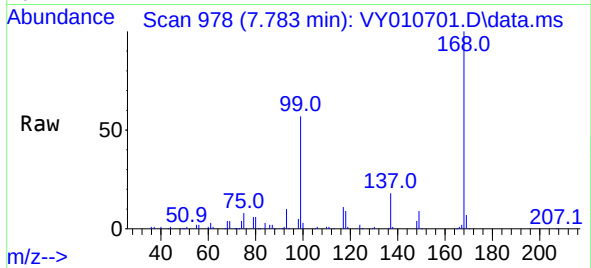
192 19.5 17.6 26.4



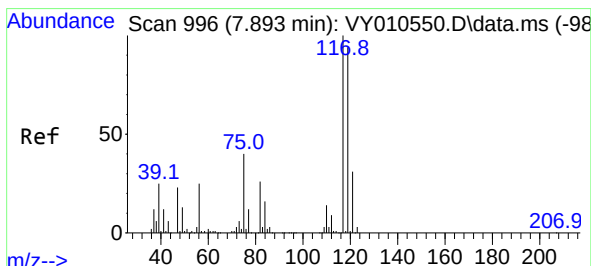
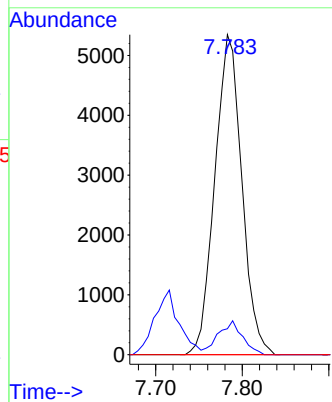
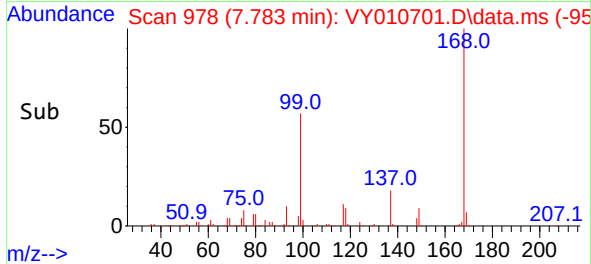


#36
1,1-Dichloropropene
Concen: 6.536 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY010701.D
Acq: 27 Sep 2022 16:23

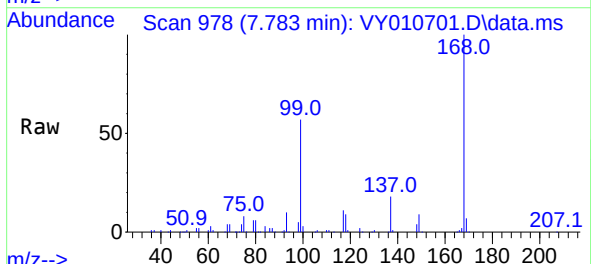
Instrument :
MSVOA_Y
ClientSampleId :



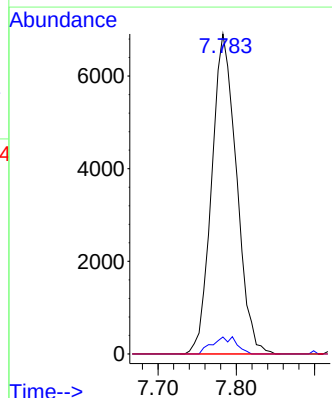
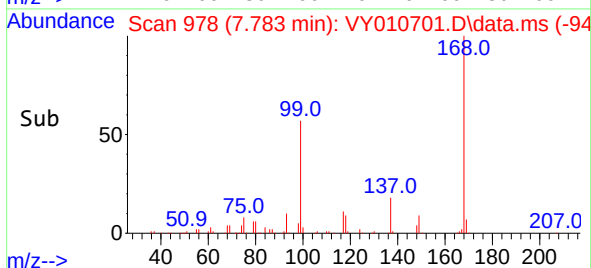
Tgt Ion: 75 Resp: 11567
Ion Ratio Lower Upper
75 100
110 9.5 17.1 51.2#
77 0.0 24.4 36.6#

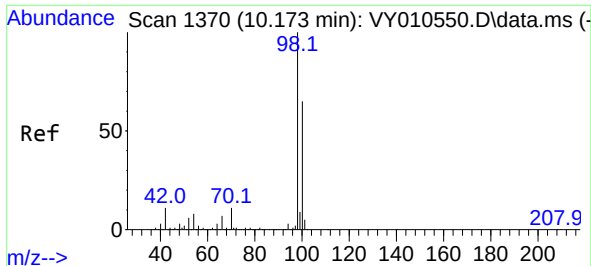


#38
Carbon Tetrachloride
Concen: 7.477 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.110 min
Lab File: VY010701.D
Acq: 27 Sep 2022 16:23



Tgt Ion: 117 Resp: 15215
Ion Ratio Lower Upper
117 100
119 5.3 77.9 116.9#
121 0.0 24.8 37.2#

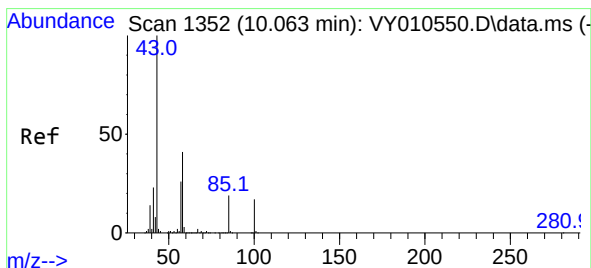
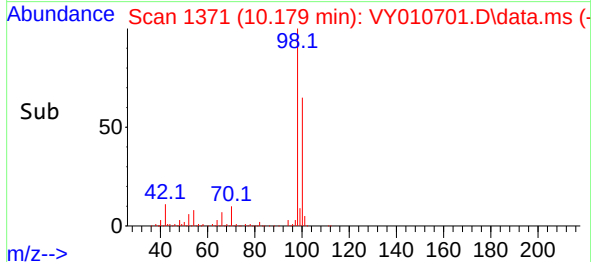
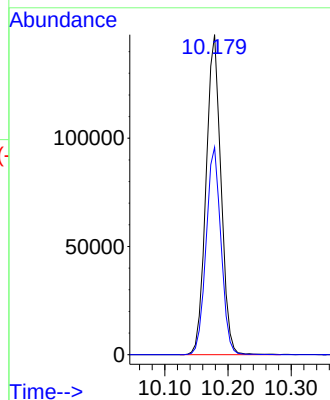
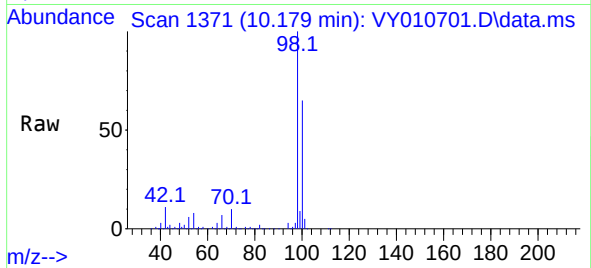




#50
Toluene-d8
Concen: 41.890 ug/l
RT: 10.179 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VY010701.D
Acq: 27 Sep 2022 16:23

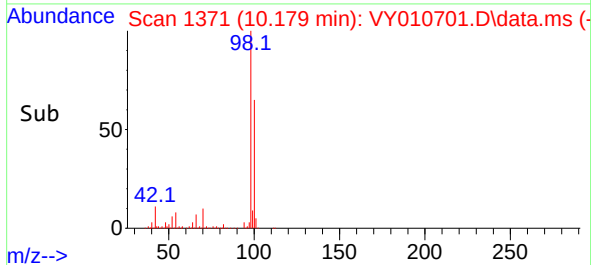
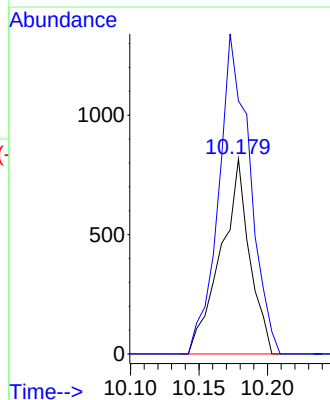
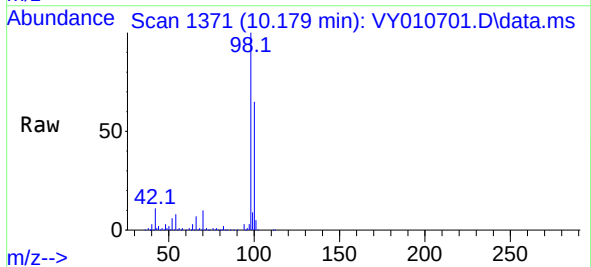
Instrument :
MSVOA_Y
ClientSampleId :

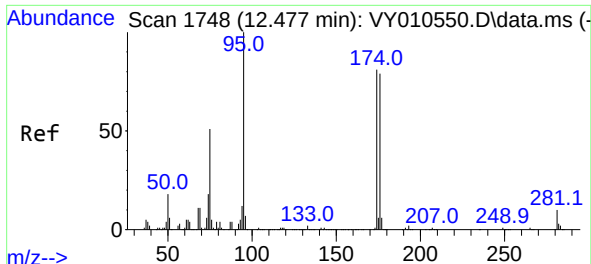
Tgt Ion: 98 Resp: 242730
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.132 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.116 min
Lab File: VY010701.D
Acq: 27 Sep 2022 16:23

Tgt Ion: 43 Resp: 1197
Ion Ratio Lower Upper
43 100
58 178.0 28.1 42.1#

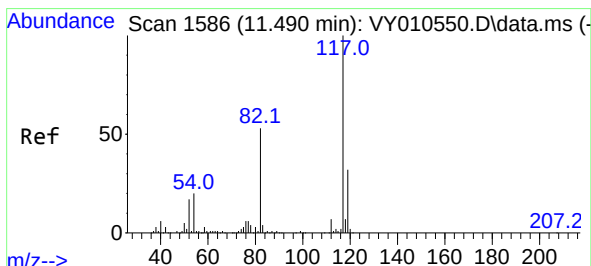
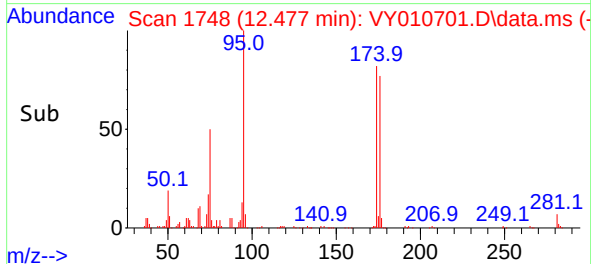
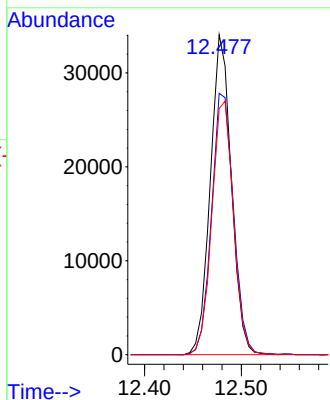
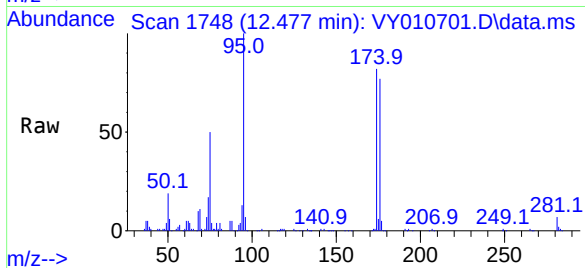




#62
4-Bromofluorobenzene
Concen: 22.077 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010701.D
Acq: 27 Sep 2022 16:23

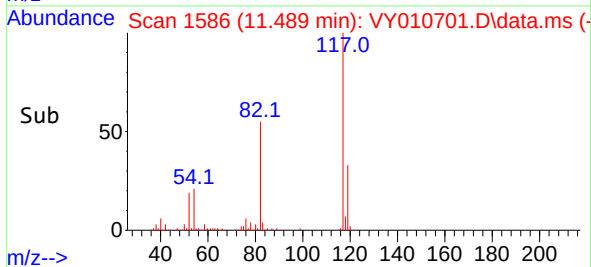
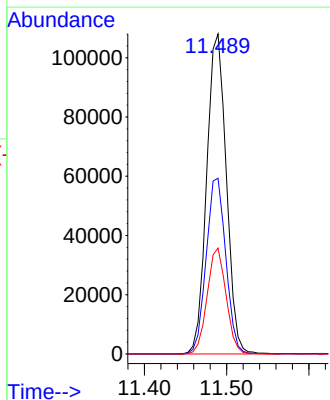
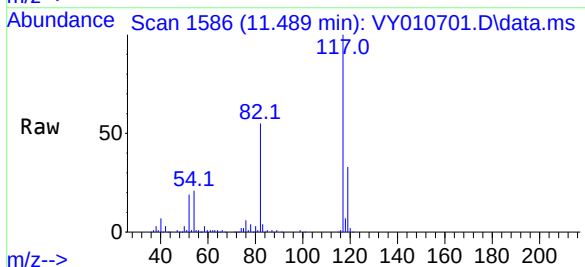
Instrument :
MSVOA_Y
ClientSampleId :

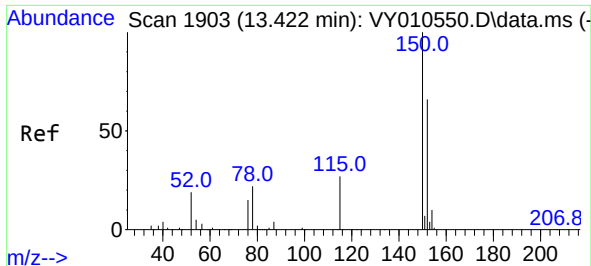
Tgt Ion: 95 Resp: 51383
Ion Ratio Lower Upper
95 100
174 85.7 0.0 177.0
176 81.8 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010701.D
Acq: 27 Sep 2022 16:23

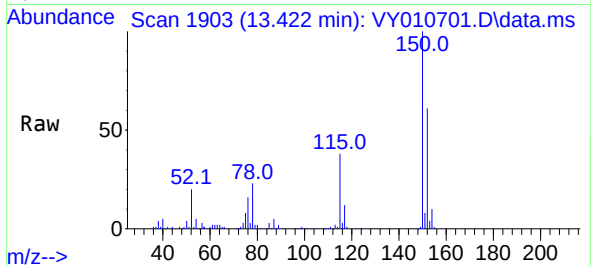
Tgt Ion: 117 Resp: 178949
Ion Ratio Lower Upper
117 100
82 54.9 43.0 64.4
119 33.1 25.4 38.0



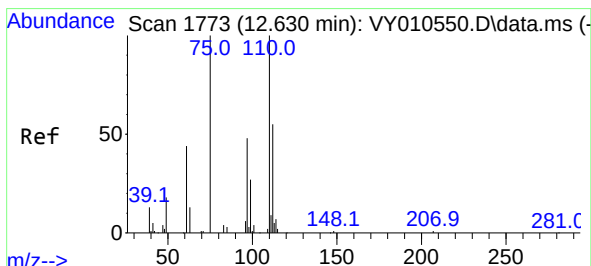
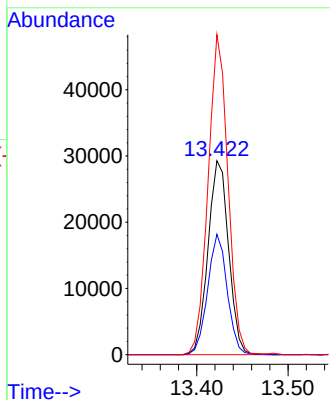
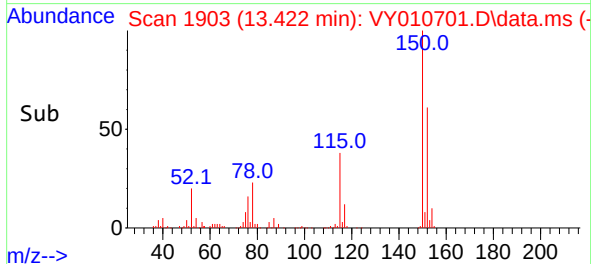


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY010701.D
 Acq: 27 Sep 2022 16:23

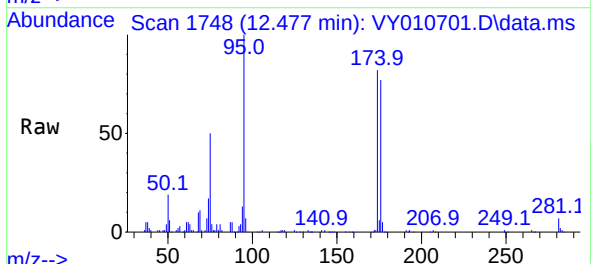
Instrument :
 MSVOA_Y
 ClientSampleId :



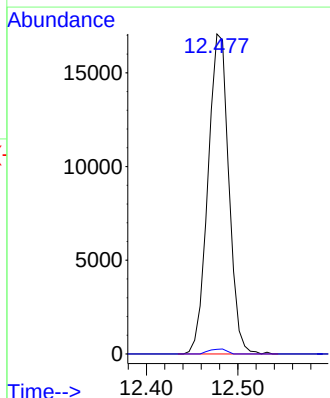
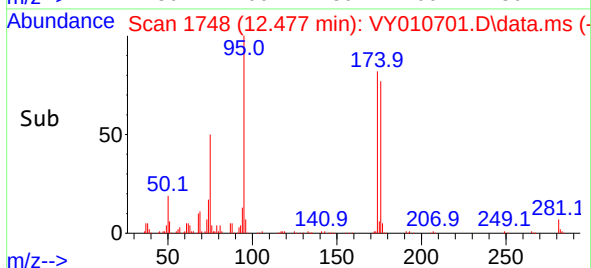
Tgt Ion:152 Resp: 45694
 Ion Ratio Lower Upper
 152 100
 115 59.0 28.2 84.7
 150 159.1 0.0 347.6

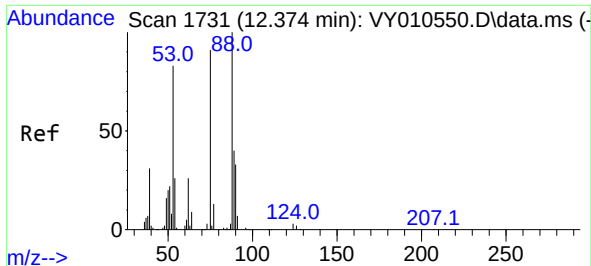


#76
 1,2,3-Trichloropropane
 Concen: 61.880 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY010701.D
 Acq: 27 Sep 2022 16:23



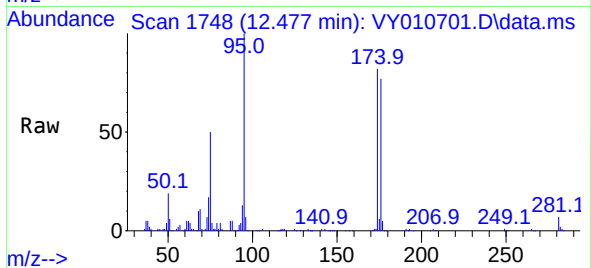
Tgt Ion: 75 Resp: 26987
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.586 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY010701.D
 Acq: 27 Sep 2022 16:23

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	85.3	127.9#
89	0.1	37.0	55.4#

