

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092822\
 Data File : VY010709.D
 Acq On : 28 Sep 2022 12:27
 Operator : KP/MD
 Sample : N4780-21
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-3

Quant Time: Sep 29 01:12:14 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)

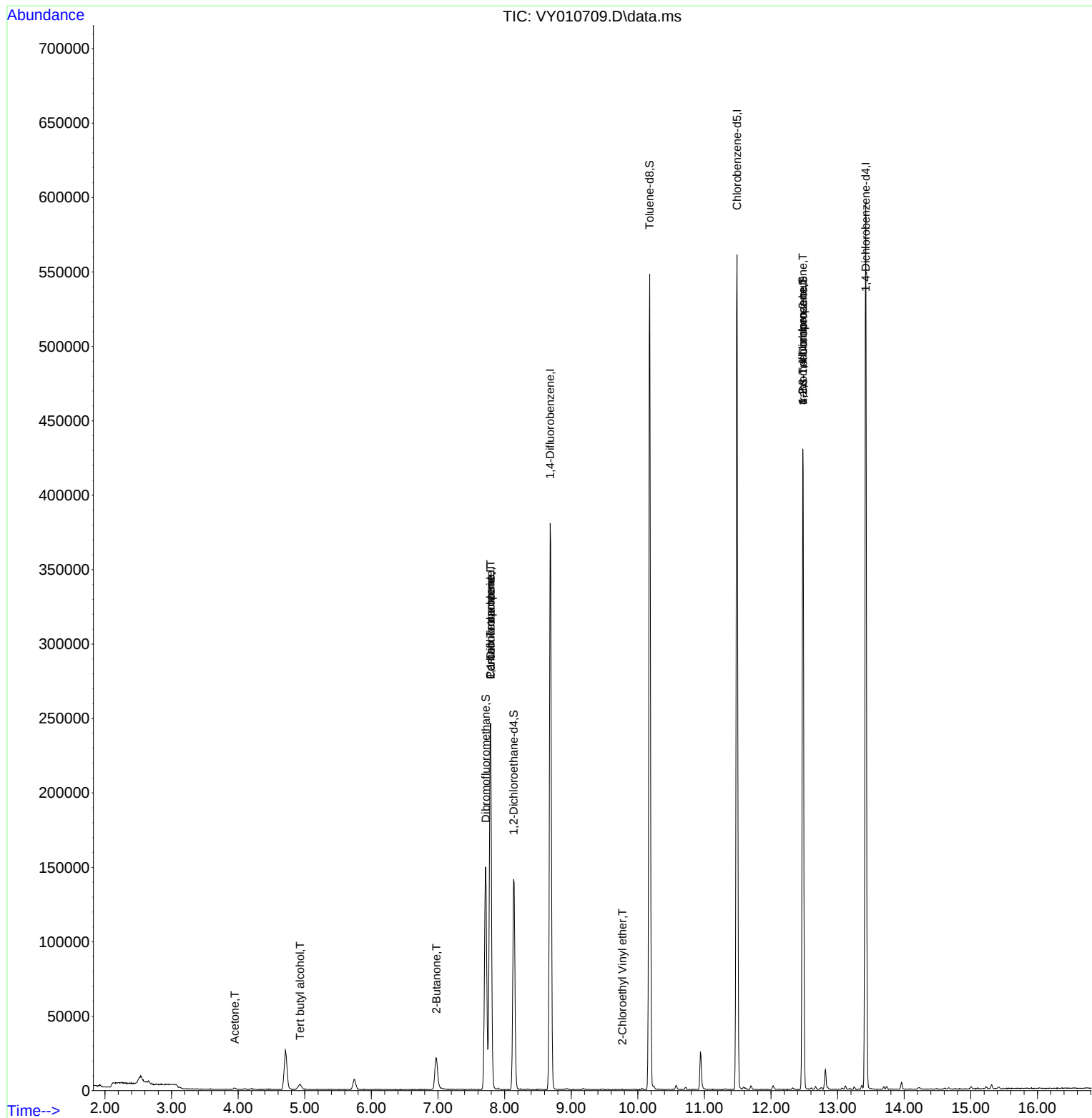
Internal Standards						
1) Pentafluorobenzene	7.789	168	191331	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	325625	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	300432	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	147786	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	111491	60.923	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 121.840%		
35) Dibromofluoromethane	7.716	113	106007	51.010	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 102.020%		
50) Toluene-d8	10.179	98	352945	46.207	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 92.420%		
62) 4-Bromofluorobenzene	12.477	95	129541	45.187	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 90.380%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	145	Below Cal	#	43
3) Chloromethane	2.113	50	515	Below Cal		100
4) Vinyl Chloride	2.259	62	44	Below Cal	#	43
5) Bromomethane	2.656	94	590	Below Cal		82
11) Tert butyl alcohol	4.930	59	4100	14.521	ug/l #	77
16) Acetone	3.948	43	1856	4.973	ug/l	91
17) Carbon Disulfide	4.204	76	298	Below Cal	#	75
18) Methyl Acetate	4.472	43	19	Below Cal	#	56
20) Methylene Chloride	4.710	84	18797	Below Cal		91
25) 2-Butanone	6.978	43	1666	2.854	ug/l	98
31) Cyclohexane	7.789	56	4196	Below Cal	#	7
36) 1,1-Dichloropropene	7.789	75	15282	6.600	ug/l #	51
38) Carbon Tetrachloride	7.789	117	19348	7.267	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.770	63	48	20.515	ug/l #	48
76) 1,2,3-Trichloropropane	12.477	75	67803	48.070	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	67803	106.880	ug/l #	7

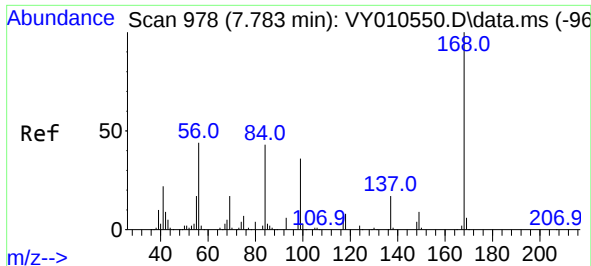
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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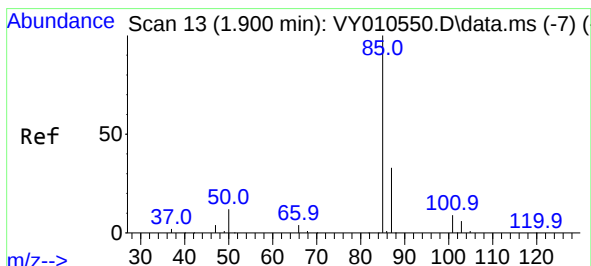
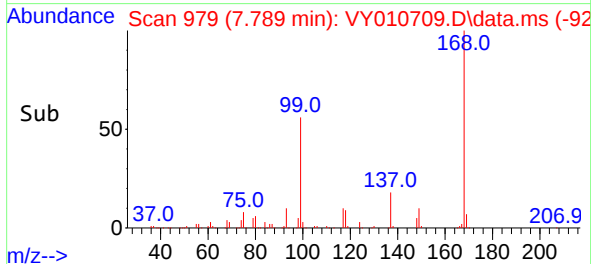
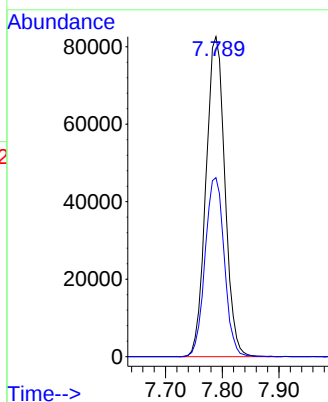
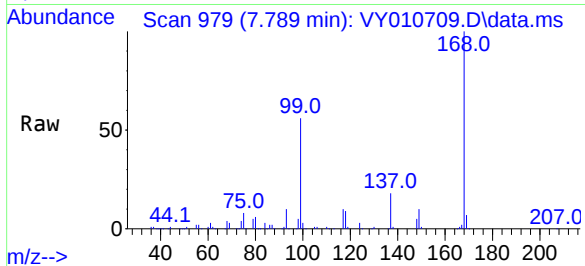




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010709.D
Acq: 28 Sep 2022 12:27

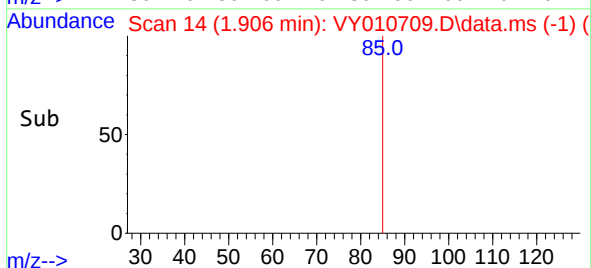
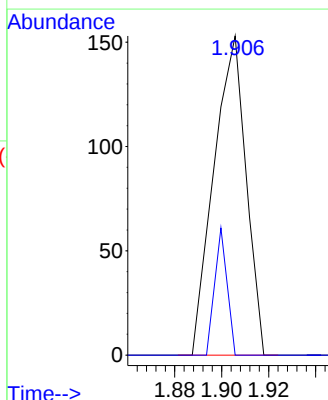
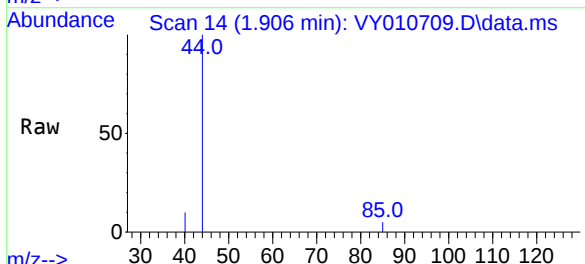
Instrument :
MSVOA_Y
ClientSampleId :
SP-3

Tgt Ion:168 Resp: 191331
Ion Ratio Lower Upper
168 100
99 56.0 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY010709.D
Acq: 28 Sep 2022 12:27

Tgt Ion: 85 Resp: 145
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

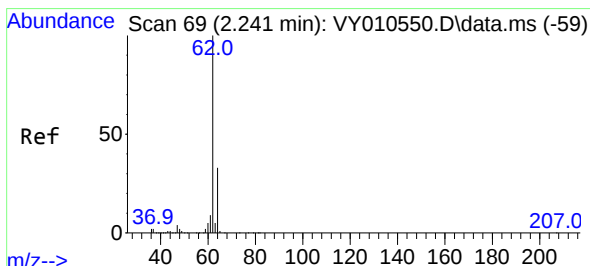
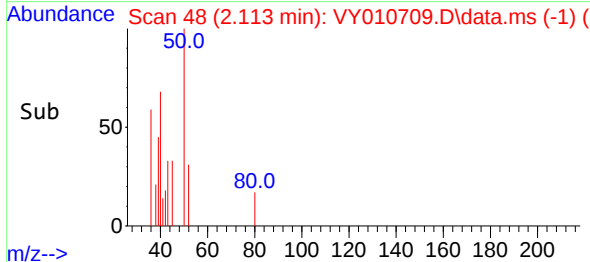
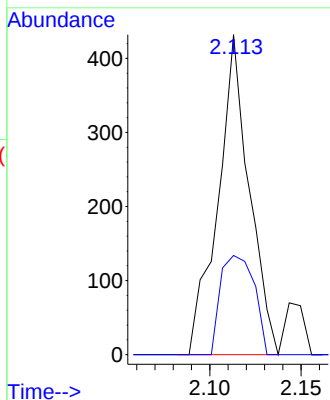
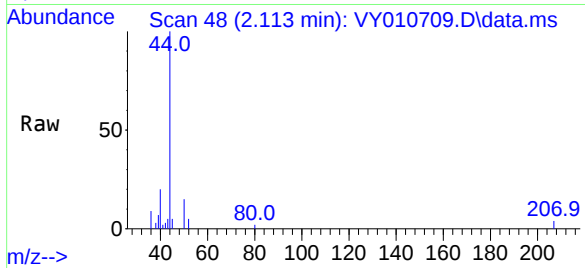




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010709.D
Acq: 28 Sep 2022 12:27

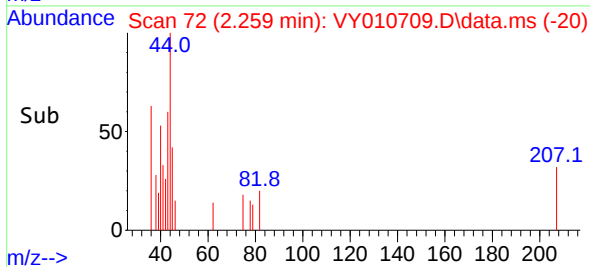
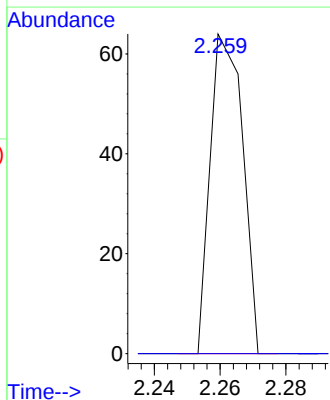
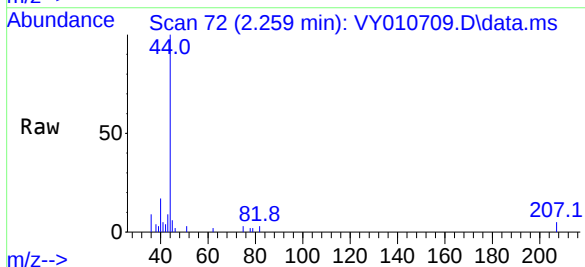
Instrument :
MSVOA_Y
ClientSampleId :
SP-3

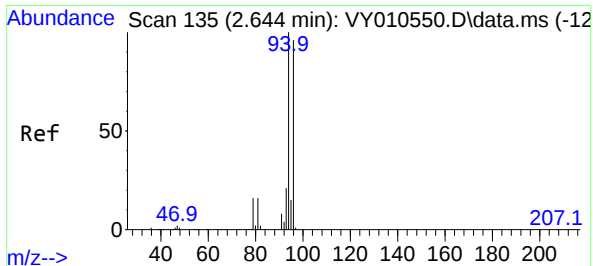
Tgt Ion: 50 Resp: 515
Ion Ratio Lower Upper
50 100
52 31.0 24.6 37.0



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.259 min Scan# 72
Delta R.T. 0.018 min
Lab File: VY010709.D
Acq: 28 Sep 2022 12:27

Tgt Ion: 62 Resp: 44
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

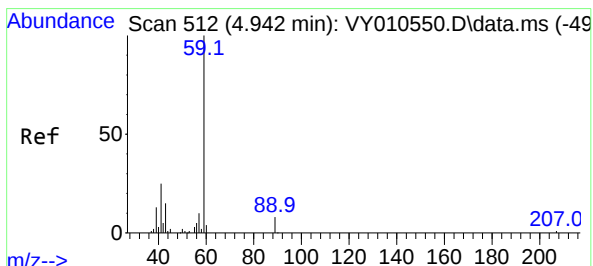
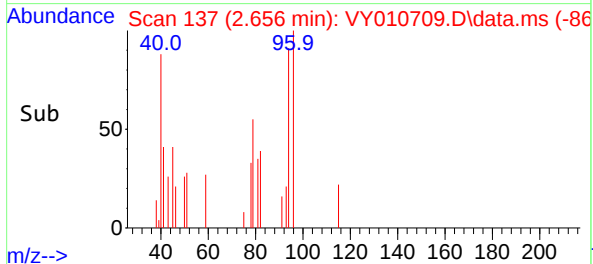
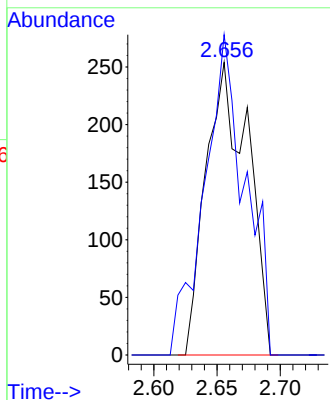
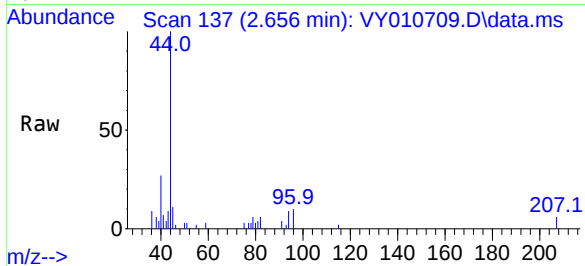




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY010709.D
Acq: 28 Sep 2022 12:27

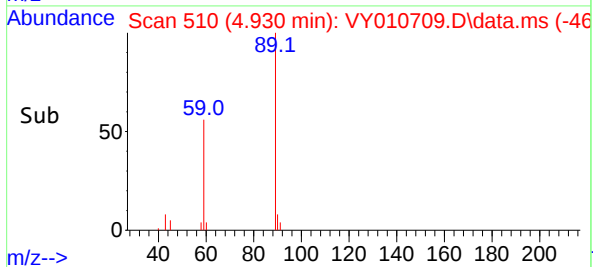
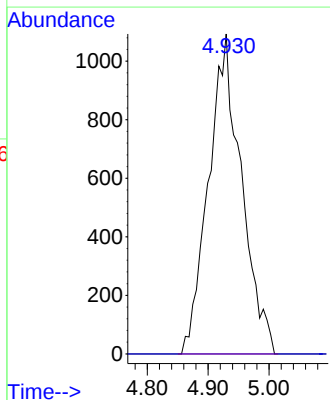
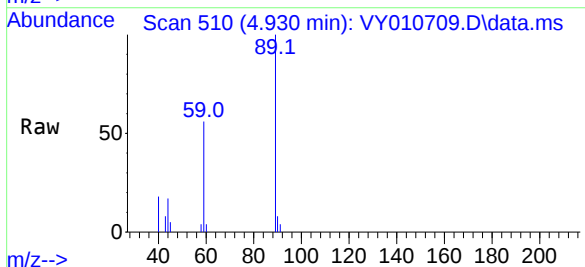
Instrument :
MSVOA_Y
ClientSampleId :
SP-3

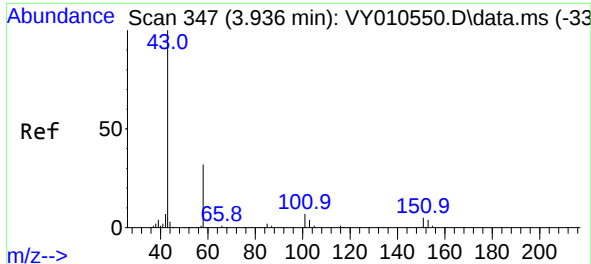
Tgt Ion: 94 Resp: 590
Ion Ratio Lower Upper
94 100
96 109.4 73.5 110.3



#11
Tert butyl alcohol
Concen: 14.521 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.012 min
Lab File: VY010709.D
Acq: 28 Sep 2022 12:27

Tgt Ion: 59 Resp: 4100
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 4.973 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.012 min

Lab File: VY010709.D

Acq: 28 Sep 2022 12:27

Instrument :

MSVOA_Y

ClientSampleId :

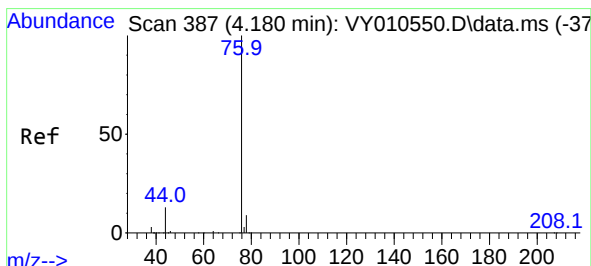
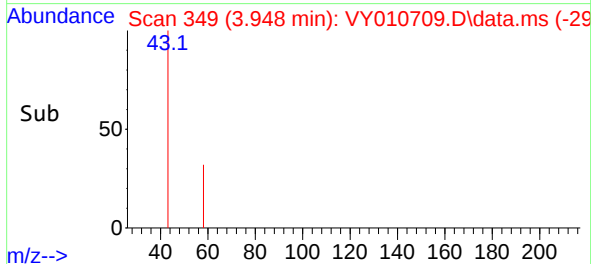
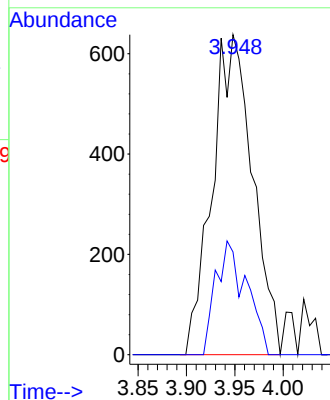
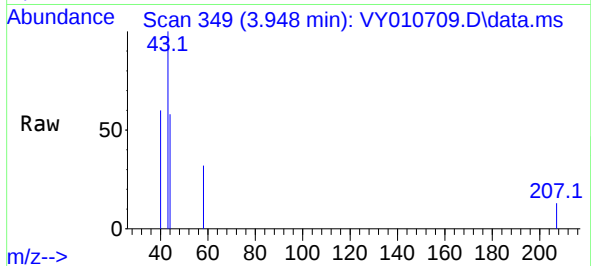
SP-3

Tgt Ion: 43 Resp: 1856

Ion Ratio Lower Upper

43 100

58 32.1 22.0 33.0



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.204 min Scan# 391

Delta R.T. 0.024 min

Lab File: VY010709.D

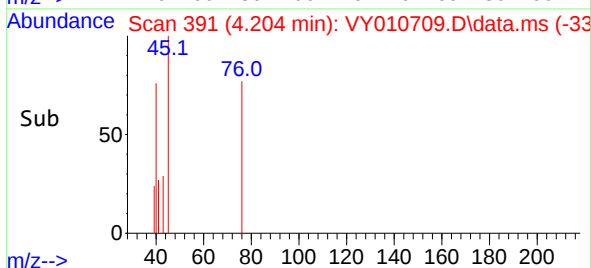
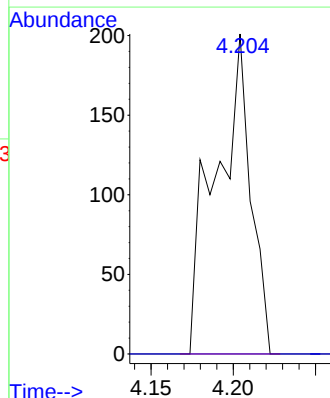
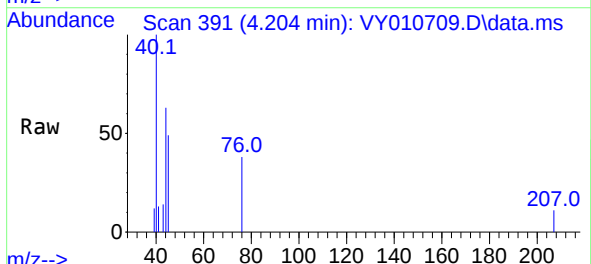
Acq: 28 Sep 2022 12:27

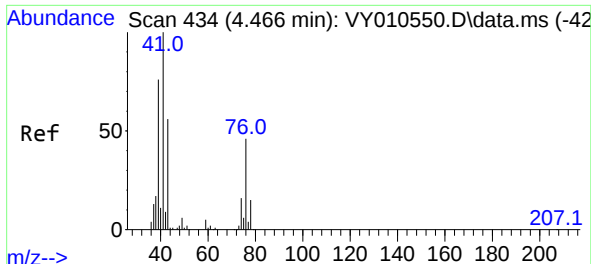
Tgt Ion: 76 Resp: 298

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.472 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY010709.D

Acq: 28 Sep 2022 12:27

Instrument :

MSVOA_Y

ClientSampleId :

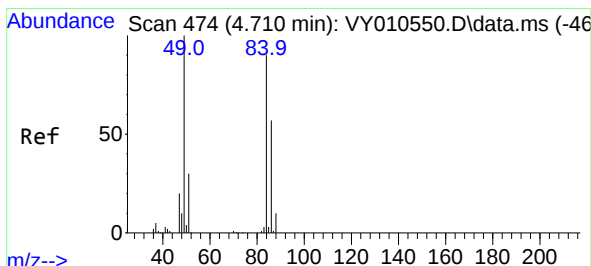
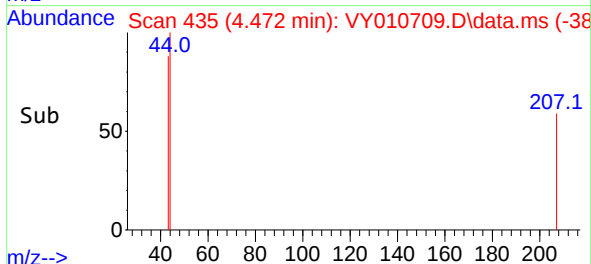
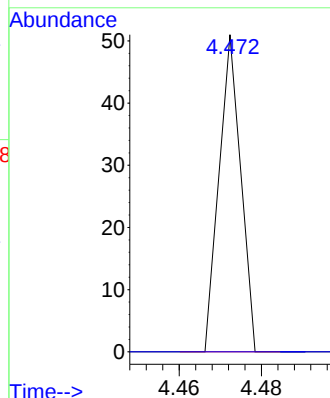
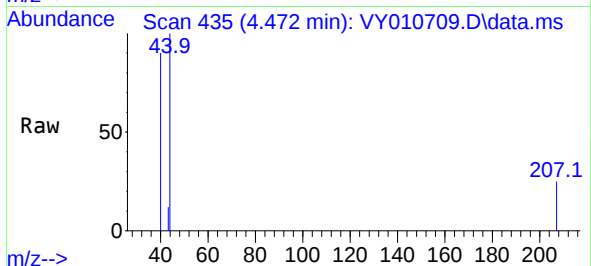
SP-3

Tgt Ion: 43 Resp: 19

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. 0.000 min

Lab File: VY010709.D

Acq: 28 Sep 2022 12:27

Tgt Ion: 84 Resp: 18797

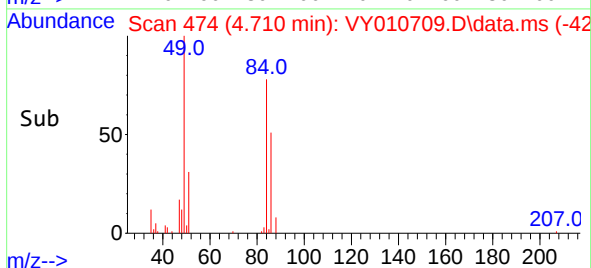
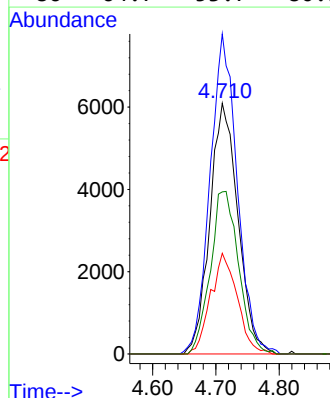
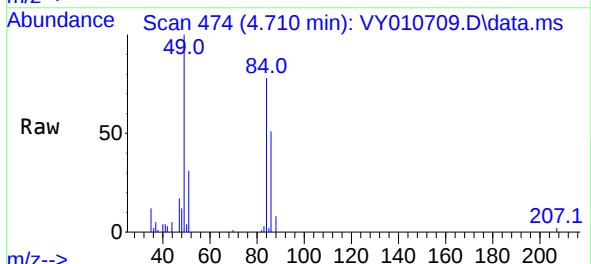
Ion Ratio Lower Upper

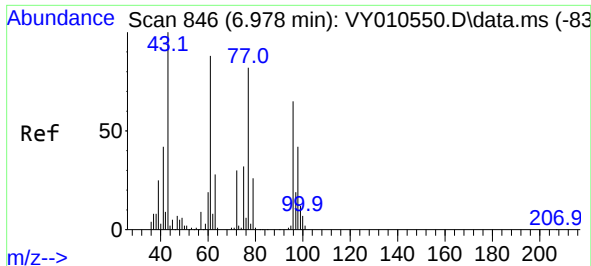
84 100

49 127.7 114.4 171.6

51 40.2 35.3 52.9

86 64.7 53.7 80.5

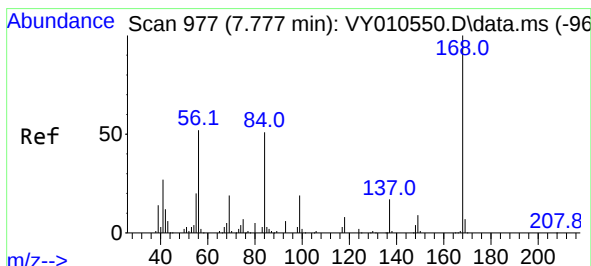
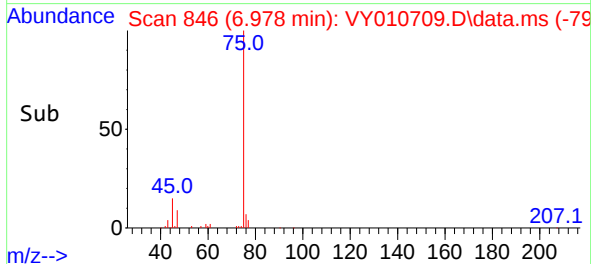
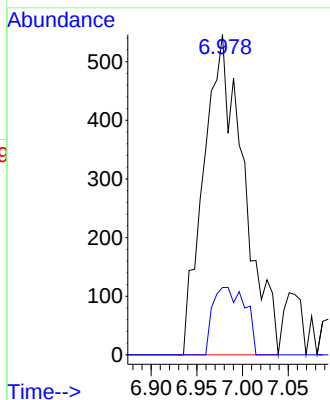
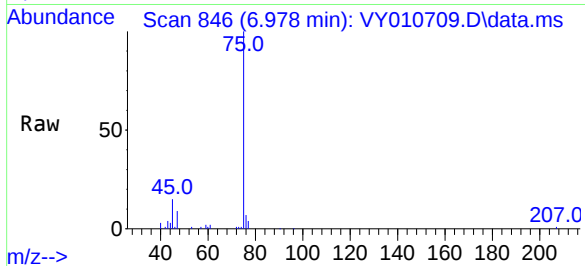




#25
2-Butanone
Concen: 2.854 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY010709.D
Acq: 28 Sep 2022 12:27

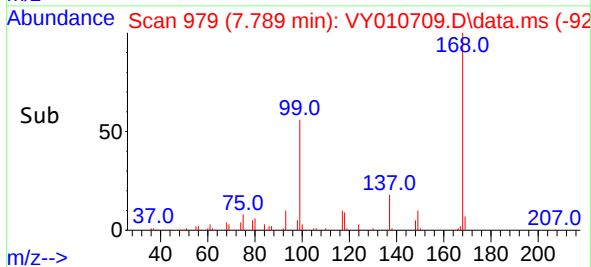
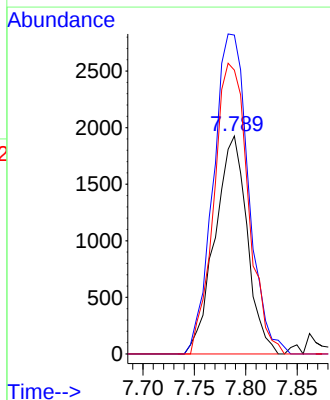
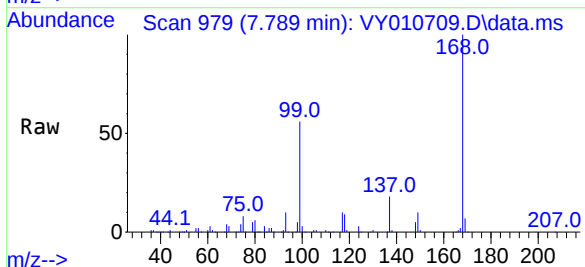
Instrument :
MSVOA_Y
ClientSampleId :
SP-3

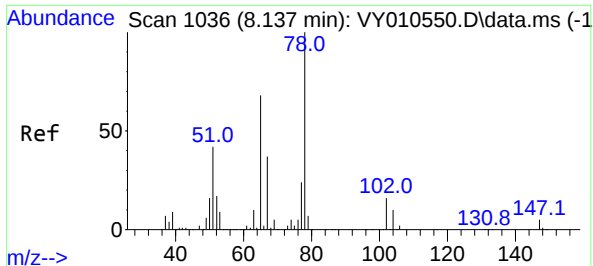
Tgt Ion: 43 Resp: 1666
Ion Ratio Lower Upper
43 100
72 21.1 17.7 26.5



#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.012 min
Lab File: VY010709.D
Acq: 28 Sep 2022 12:27

Tgt Ion: 56 Resp: 4196
Ion Ratio Lower Upper
56 100
69 146.3 26.7 40.1#
84 130.2 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 60.923 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.001 min

Lab File: VY010709.D

Acq: 28 Sep 2022 12:27

Instrument :

MSVOA_Y

ClientSampleId :

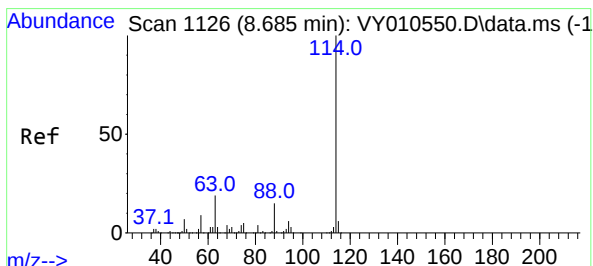
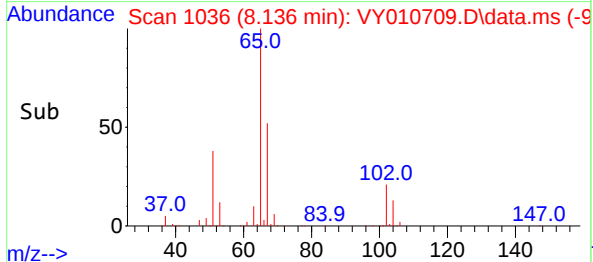
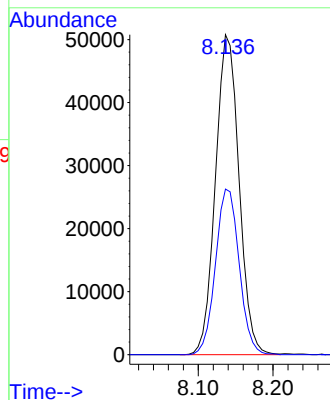
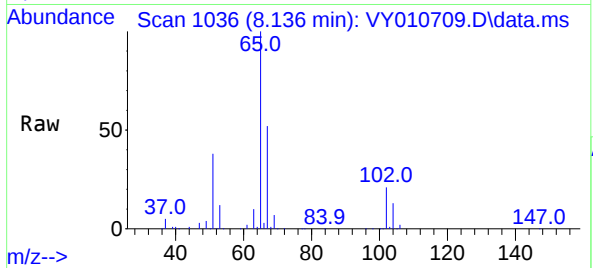
SP-3

Tgt Ion: 65 Resp: 111491

Ion Ratio Lower Upper

65 100

67 52.0 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: VY010709.D

Acq: 28 Sep 2022 12:27

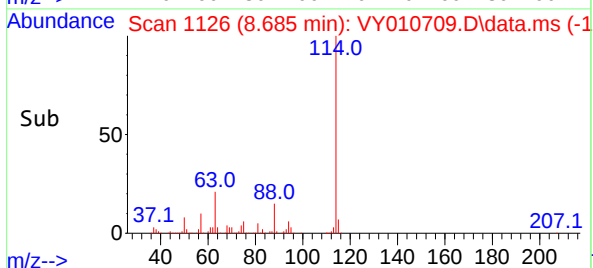
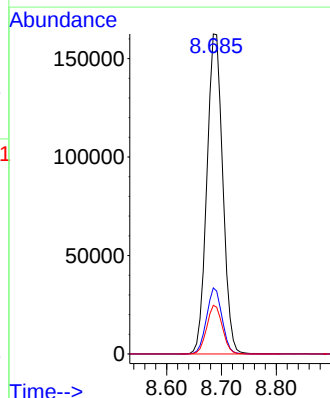
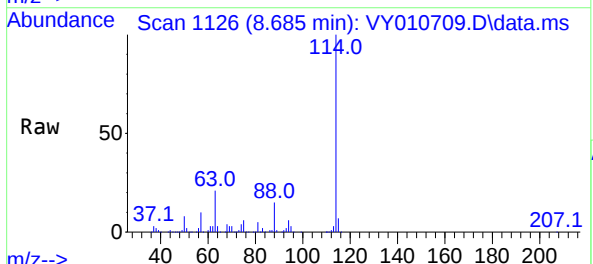
Tgt Ion: 114 Resp: 325625

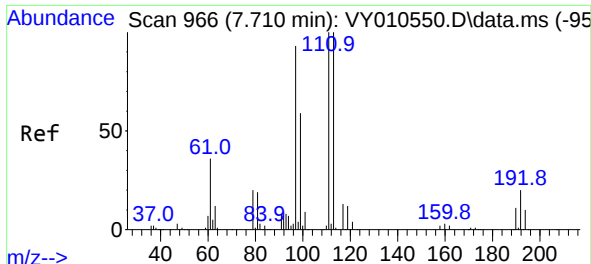
Ion Ratio Lower Upper

114 100

63 20.7 0.0 43.2

88 15.2 0.0 31.8

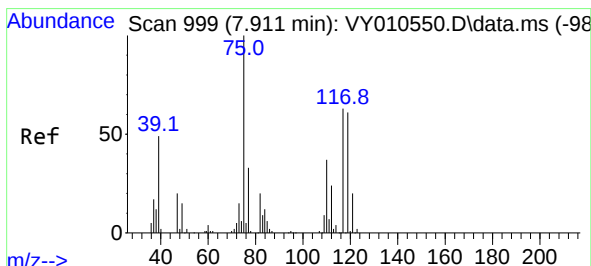
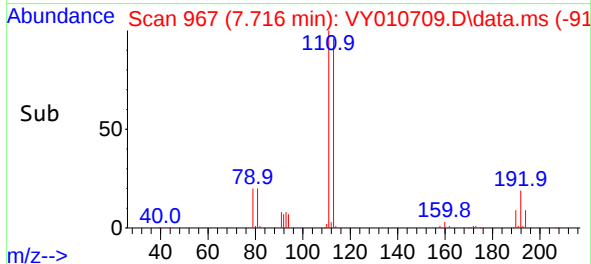
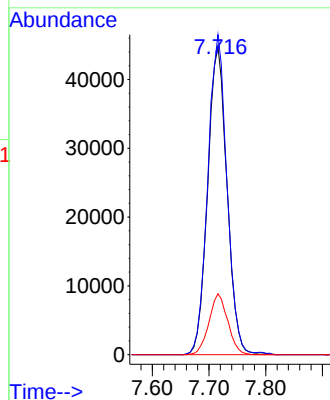
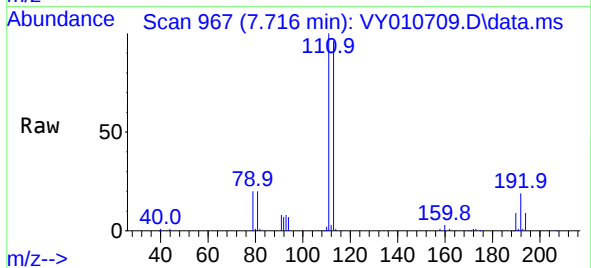




#35
Dibromofluoromethane
Concen: 51.010 ug/l
RT: 7.716 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY010709.D
Acq: 28 Sep 2022 12:27

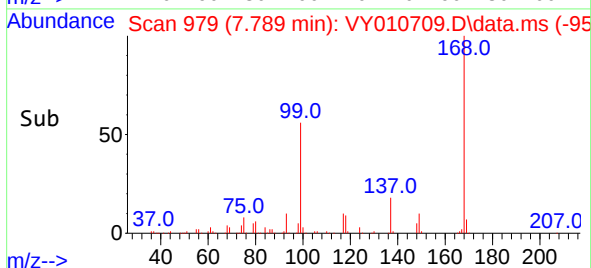
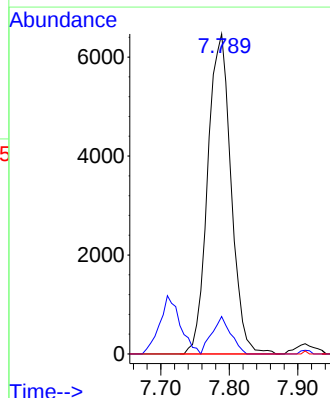
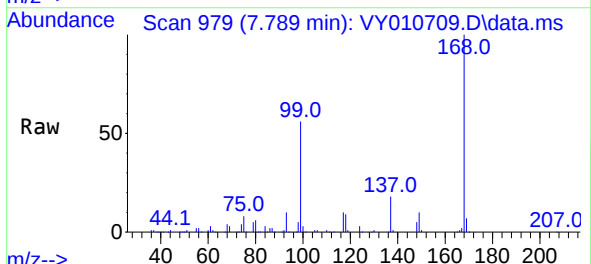
Instrument :
MSVOA_Y
ClientSampleId :
SP-3

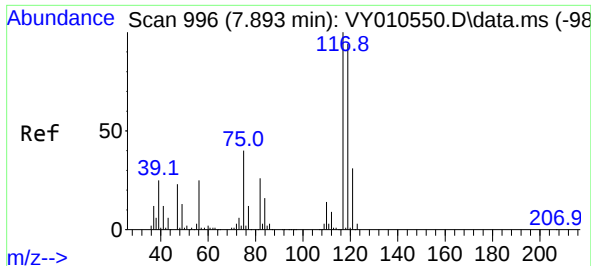
Tgt Ion:113 Resp: 106007
Ion Ratio Lower Upper
113 100
111 103.0 82.6 124.0
192 19.2 17.6 26.4



#36
1,1-Dichloropropene
Concen: 6.600 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY010709.D
Acq: 28 Sep 2022 12:27

Tgt Ion: 75 Resp: 15282
Ion Ratio Lower Upper
75 100
110 9.4 17.1 51.2#
77 0.0 24.4 36.6#

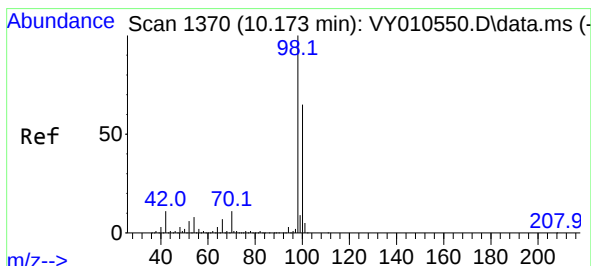
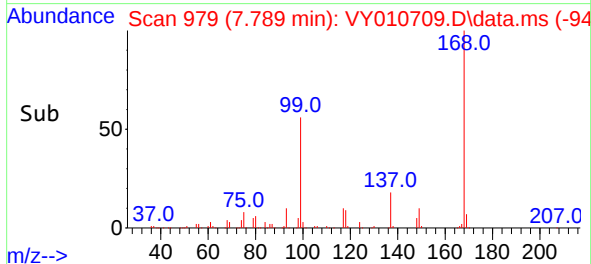
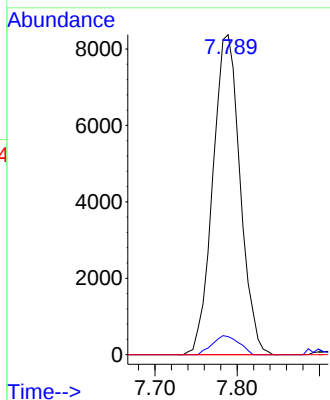
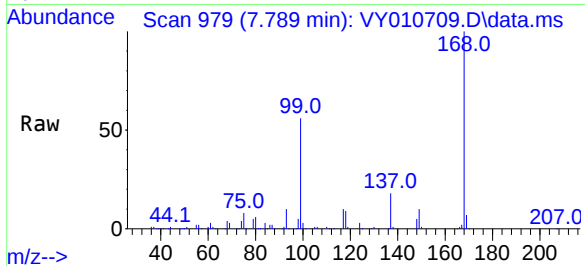




#38
Carbon Tetrachloride
Concen: 7.267 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY010709.D
Acq: 28 Sep 2022 12:27

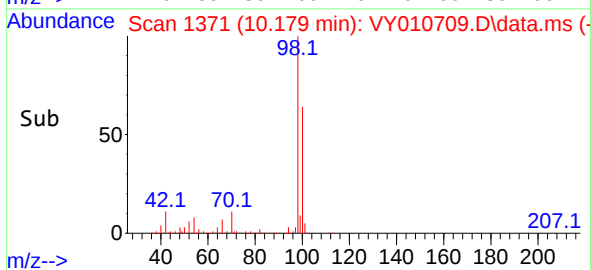
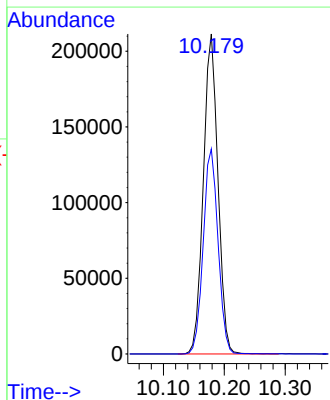
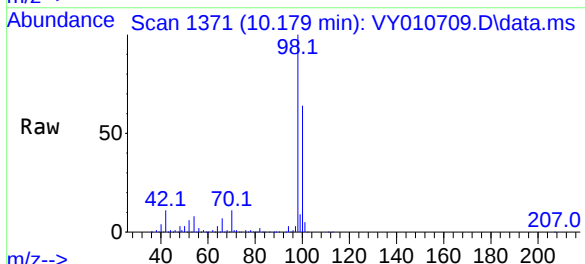
Instrument :
MSVOA_Y
ClientSampleId :
SP-3

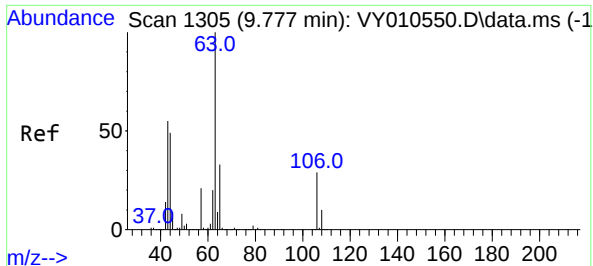
Tgt Ion:117 Resp: 19348
Ion Ratio Lower Upper
117 100
119 5.6 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 46.207 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010709.D
Acq: 28 Sep 2022 12:27

Tgt Ion: 98 Resp: 352945
Ion Ratio Lower Upper
98 100
100 65.0 50.2 75.2

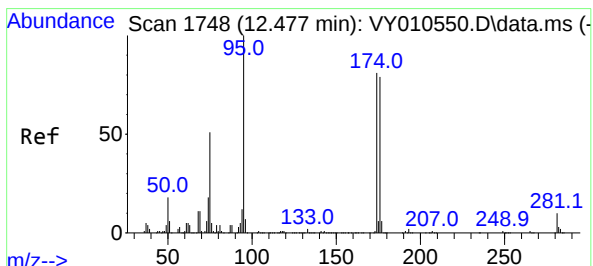
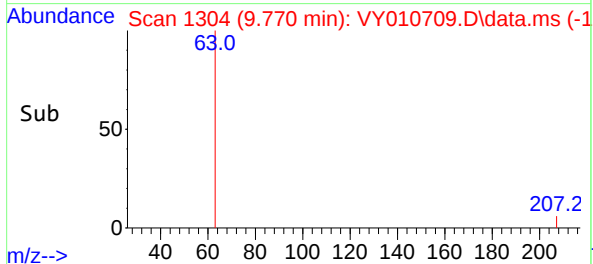
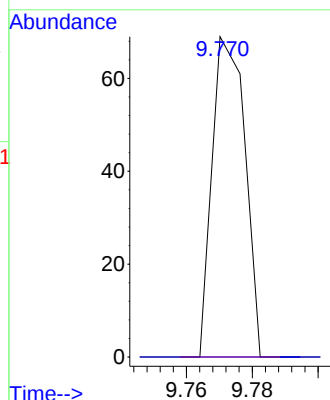
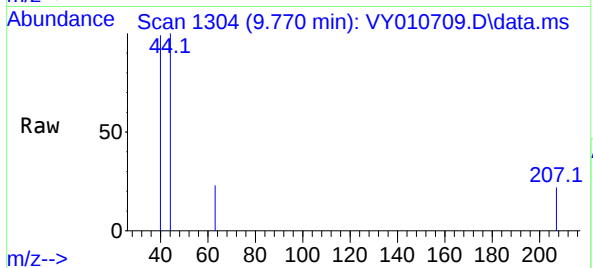




#58
2-Chloroethyl Vinyl ether
Concen: 20.515 ug/l
RT: 9.770 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY010709.D
Acq: 28 Sep 2022 12:27

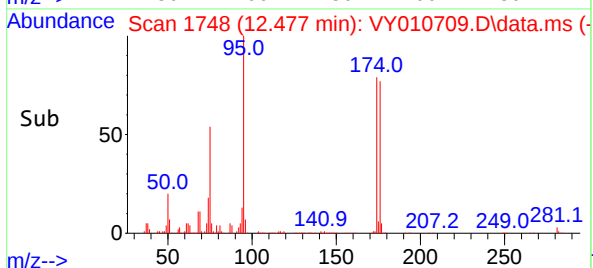
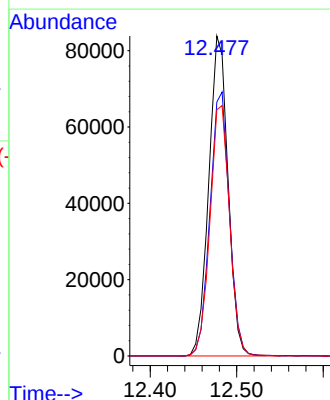
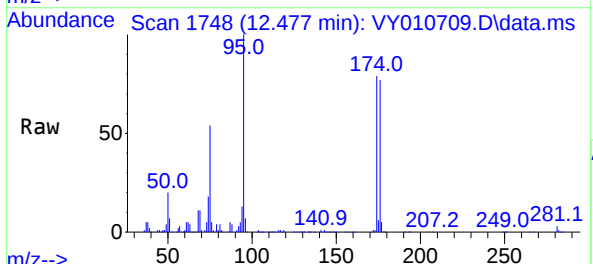
Instrument :
MSVOA_Y
ClientSampleId :
SP-3

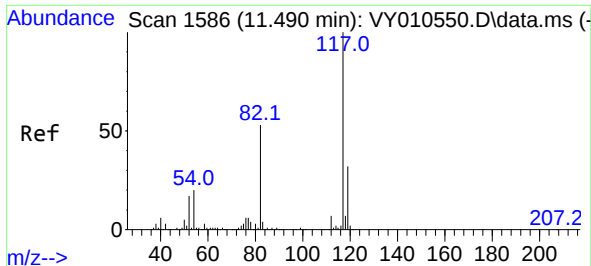
Tgt Ion: 63 Resp: 48
Ion Ratio Lower Upper
63 100
106 0.0 21.5 32.3#



#62
4-Bromofluorobenzene
Concen: 45.187 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010709.D
Acq: 28 Sep 2022 12:27

Tgt Ion: 95 Resp: 129541
Ion Ratio Lower Upper
95 100
174 83.1 0.0 177.0
176 79.7 0.0 175.8

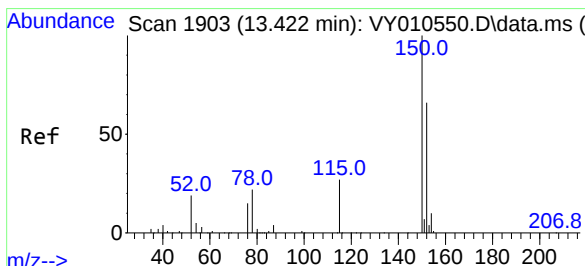
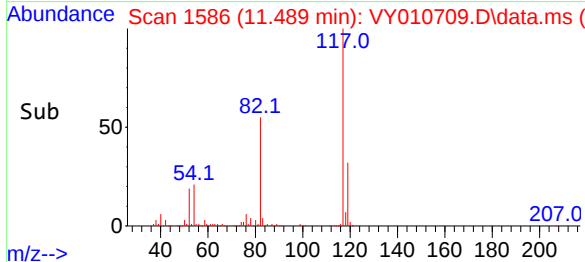
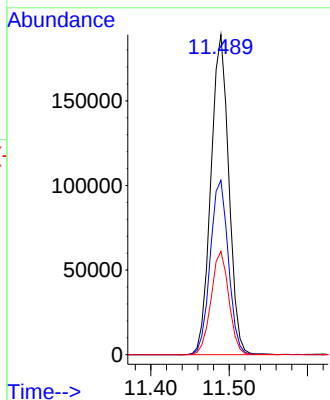
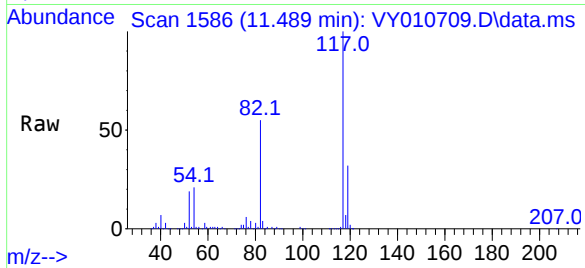




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.001 min
Lab File: VY010709.D
Acq: 28 Sep 2022 12:27

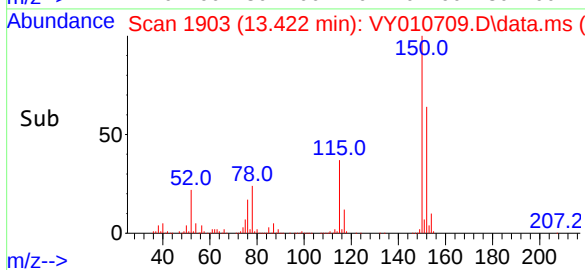
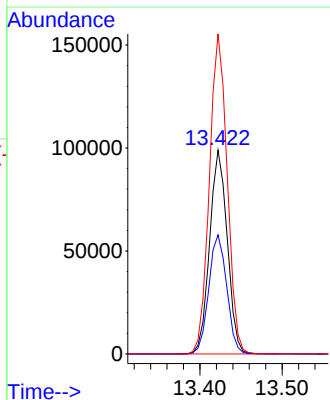
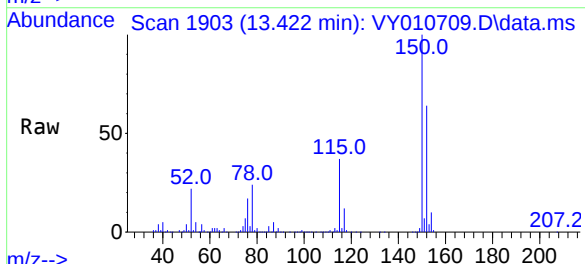
Instrument :
MSVOA_Y
ClientSampleId :
SP-3

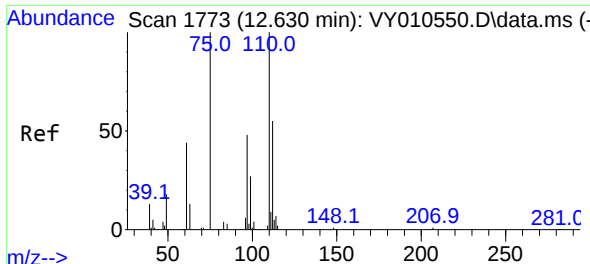
Tgt Ion:117 Resp: 300432
Ion Ratio Lower Upper
117 100
82 54.5 43.0 64.4
119 32.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY010709.D
Acq: 28 Sep 2022 12:27

Tgt Ion:152 Resp: 147786
Ion Ratio Lower Upper
152 100
115 59.5 28.2 84.7
150 158.4 0.0 347.6

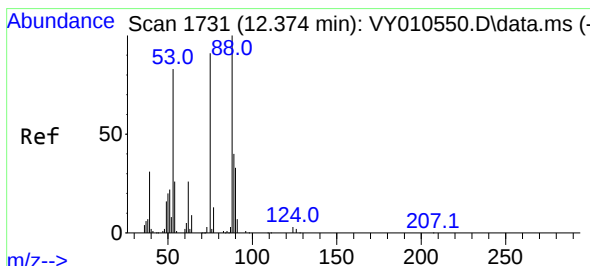
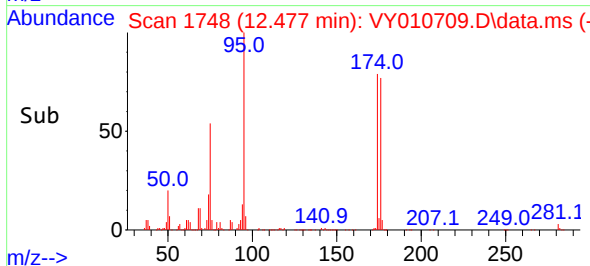
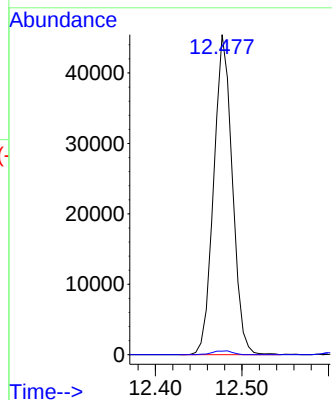
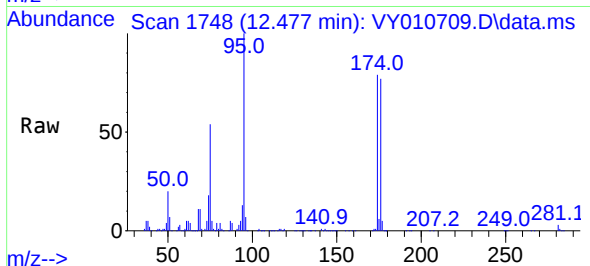




#76
1,2,3-Trichloropropane
Concen: 48.070 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010709.D
Acq: 28 Sep 2022 12:27

Instrument :
MSVOA_Y
ClientSampleId :
SP-3

Tgt Ion: 75 Resp: 67803
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 106.880 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010709.D
Acq: 28 Sep 2022 12:27

Tgt Ion: 75 Resp: 67803
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#

