

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103122\
 Data File : VY011207.D
 Acq On : 31 Oct 2022 19:04
 Operator : KP/MD
 Sample : N5361-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-2-102822

Quant Time: Nov 01 02:46:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 28 23:42:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	247759	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	431521	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	377597	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	167714	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	156990	61.279	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	122.560%
35) Dibromofluoromethane	7.716	113	159345	60.047	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	120.100%
50) Toluene-d8	10.179	98	564103	53.657	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	107.320%
62) 4-Bromofluorobenzene	12.477	95	186441	54.199	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	108.400%

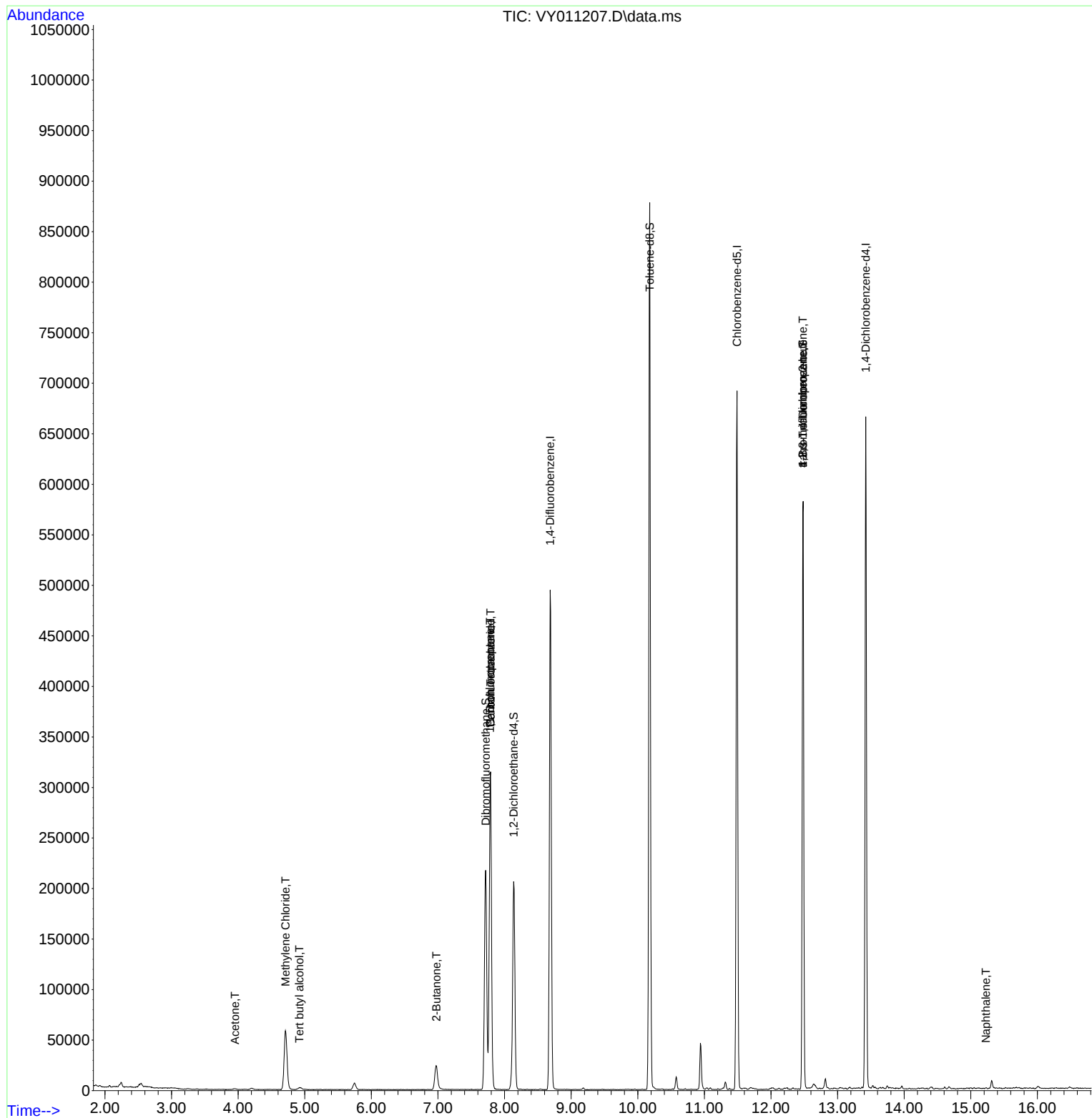
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.900	85	44	Below Cal	#	43
3) Chloromethane	2.113	50	312	Below Cal		89
4) Vinyl Chloride	2.455	62	22	Below Cal	#	1
5) Bromomethane	2.656	94	171	Below Cal	#	30
6) Chloroethane	2.778	64	91	Below Cal	#	43
11) Tert butyl alcohol	4.918	59	1612	2.262	ug/l #	77
16) Acetone	3.954	43	1620	2.584	ug/l	92
17) Carbon Disulfide	4.186	76	303	Below Cal	#	75
18) Methyl Acetate	4.466	43	368	Below Cal	#	56
20) Methylene Chloride	4.710	84	45371	12.467	ug/l #	84
25) 2-Butanone	6.978	43	1876	2.088	ug/l #	87
31) Cyclohexane	7.783	56	4907	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	18631	5.385	ug/l #	51
38) Carbon Tetrachloride	7.789	117	24542	6.513	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	92149	52.848	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	92149	112.231	ug/l #	7
95) Naphthalene	15.227	128	551	4.438	ug/l #	77

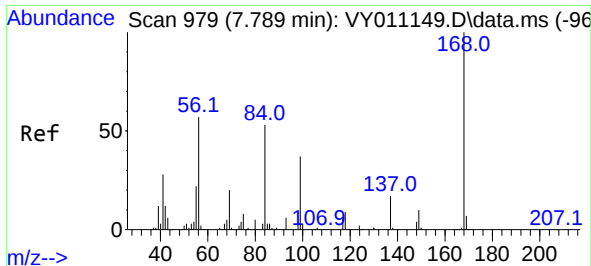
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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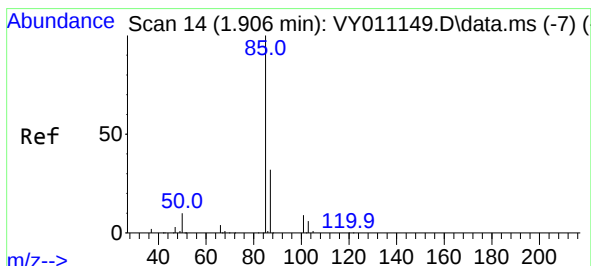
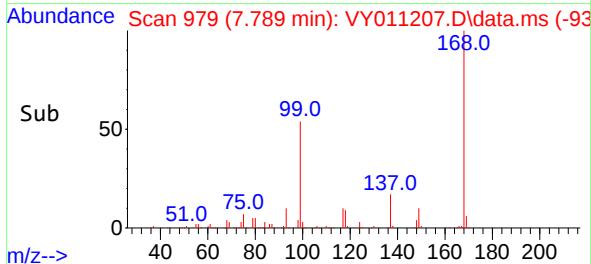
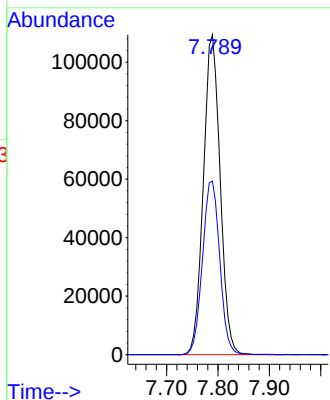
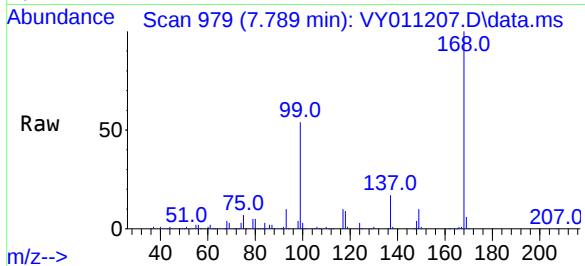




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011207.D
Acq: 31 Oct 2022 19:04

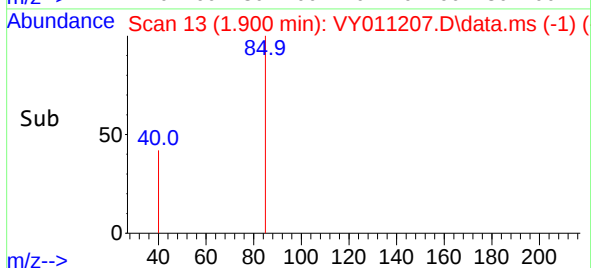
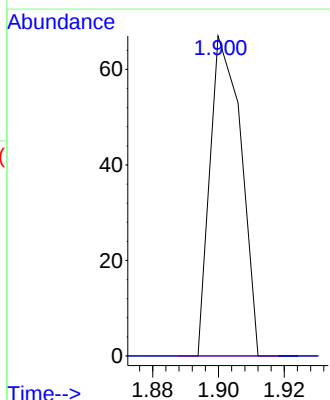
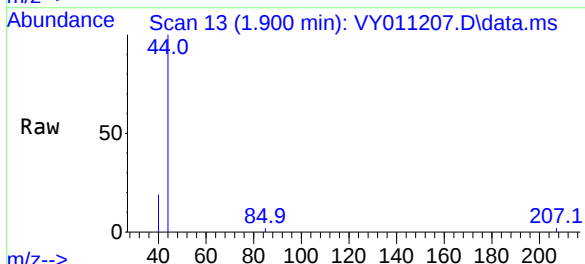
Instrument :
MSVOA_Y
ClientSampleId :
OR-2-102822

Tgt Ion:168 Resp: 247759
Ion Ratio Lower Upper
168 100
99 54.3 46.9 70.3

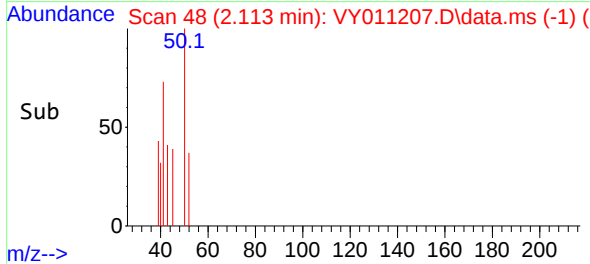
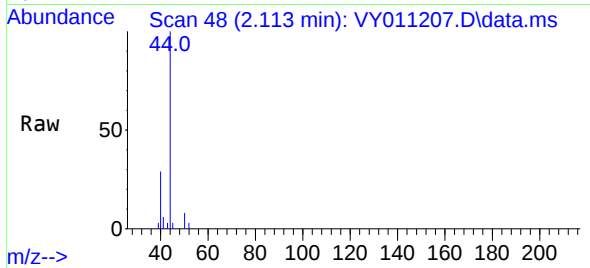
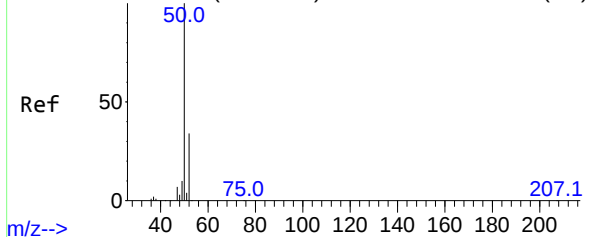


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY011207.D
Acq: 31 Oct 2022 19:04

Tgt Ion: 85 Resp: 44
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#



Abundance Scan 48 (2.113 min): VY011149.D\data.ms (-41)



#3

Chloromethane

Concen: Below Cal

RT: 2.113 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY011207.D

Acq: 31 Oct 2022 19:04

Instrument :

MSVOA_Y

ClientSampleId :

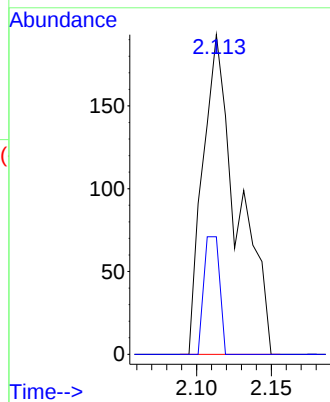
OR-2-102822

Tgt Ion: 50 Resp: 312

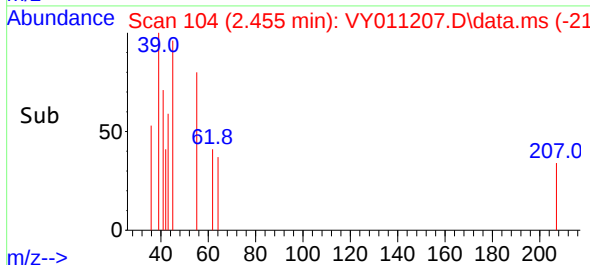
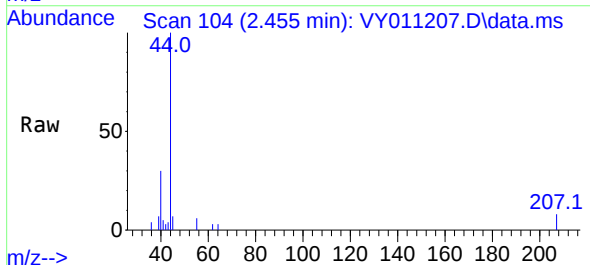
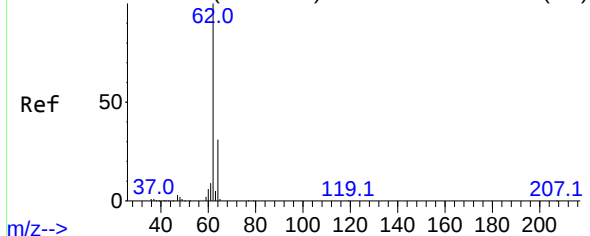
Ion Ratio Lower Upper

50 100

52 36.8 24.6 37.0



Abundance Scan 70 (2.247 min): VY011149.D\data.ms (-63)



#4

Vinyl Chloride

Concen: Below Cal

RT: 2.455 min Scan# 104

Delta R.T. 0.208 min

Lab File: VY011207.D

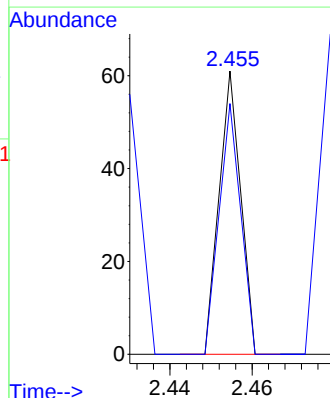
Acq: 31 Oct 2022 19:04

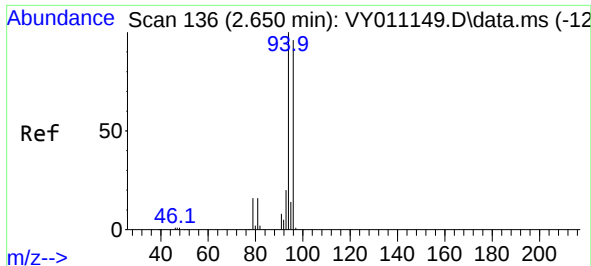
Tgt Ion: 62 Resp: 22

Ion Ratio Lower Upper

62 100

64 88.5 25.0 37.6#

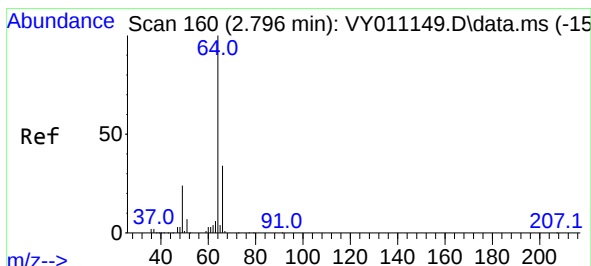
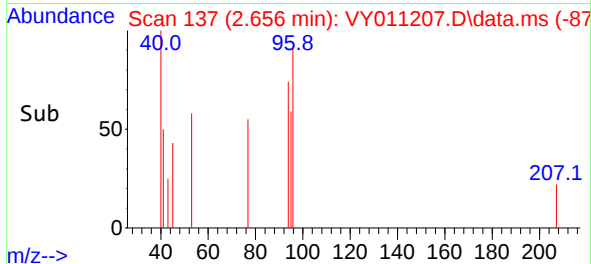
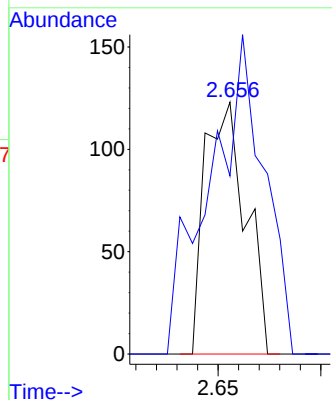
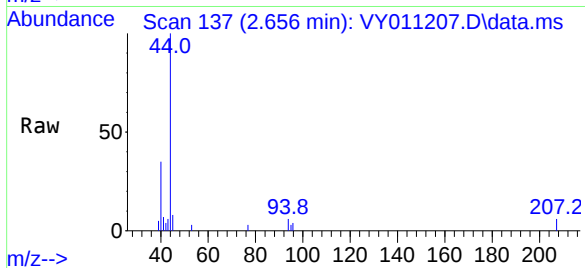




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY011207.D
Acq: 31 Oct 2022 19:04

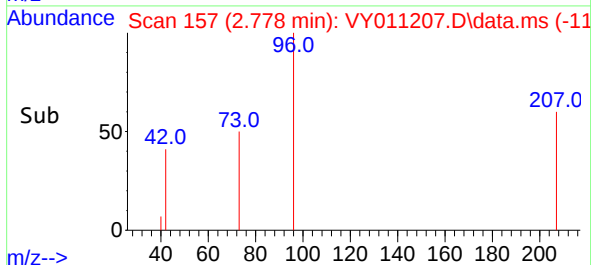
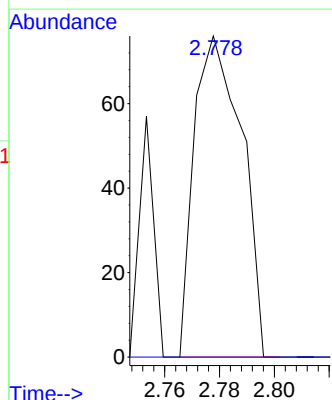
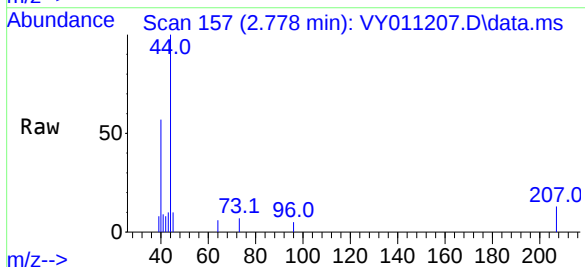
Instrument :
MSVOA_Y
ClientSampleId :
OR-2-102822

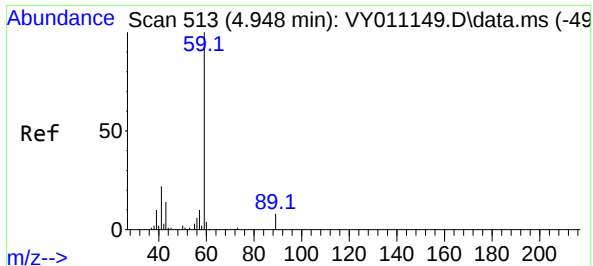
Tgt Ion: 94 Resp: 171
Ion Ratio Lower Upper
94 100
96 25.2 73.5 110.3#



#6
Chloroethane
Concen: Below Cal
RT: 2.778 min Scan# 157
Delta R.T. -0.018 min
Lab File: VY011207.D
Acq: 31 Oct 2022 19:04

Tgt Ion: 64 Resp: 91
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#





#11

Tert butyl alcohol

Concen: 2.262 ug/l

RT: 4.918 min Scan# 50

Delta R.T. -0.030 min

Lab File: VY011207.D

Acq: 31 Oct 2022 19:04

Instrument :

MSVOA_Y

ClientSampleId :

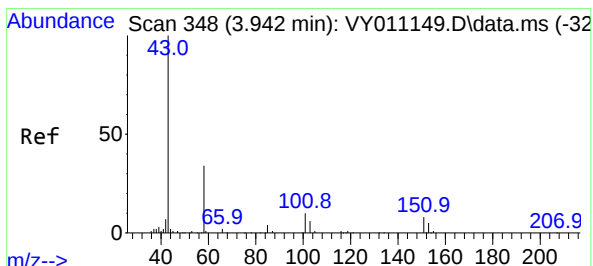
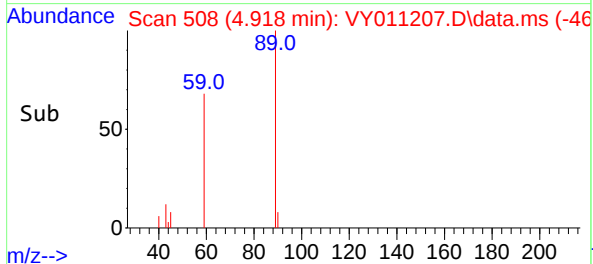
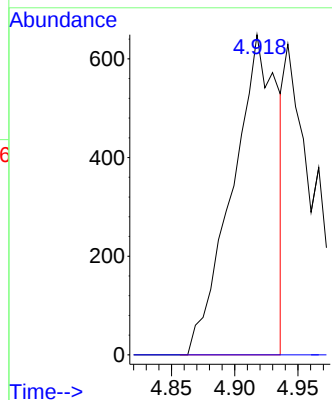
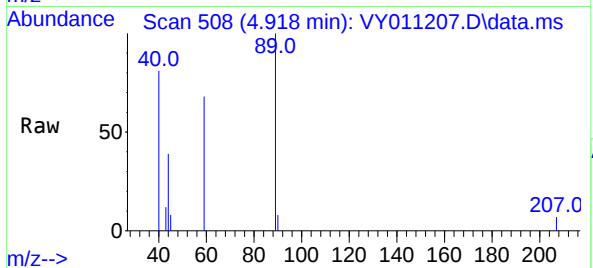
OR-2-102822

Tgt Ion: 59 Resp: 1612

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 2.584 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.012 min

Lab File: VY011207.D

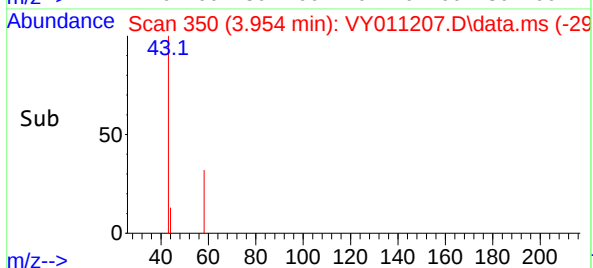
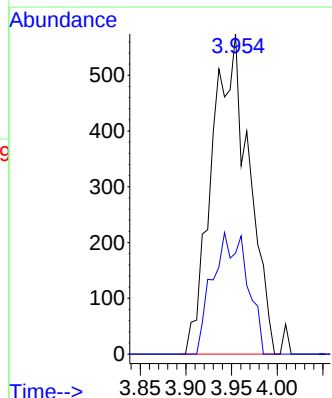
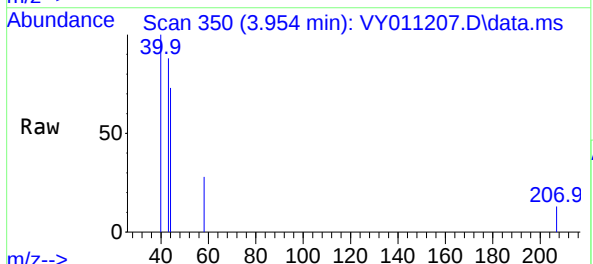
Acq: 31 Oct 2022 19:04

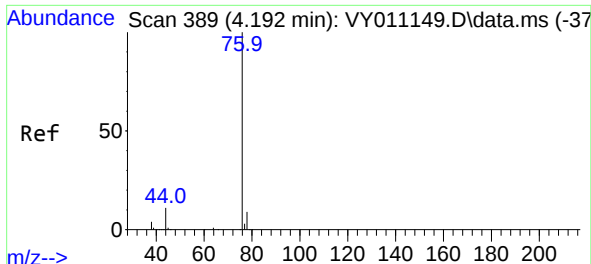
Tgt Ion: 43 Resp: 1620

Ion Ratio Lower Upper

43 100

58 31.5 22.0 33.0

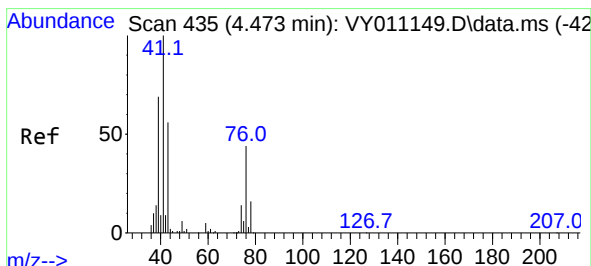
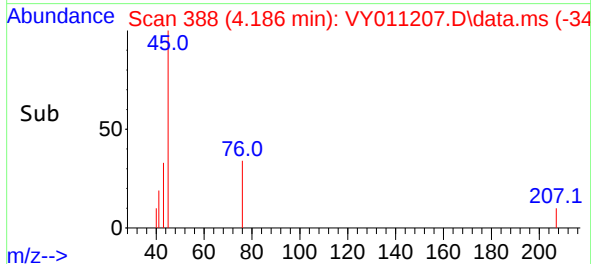
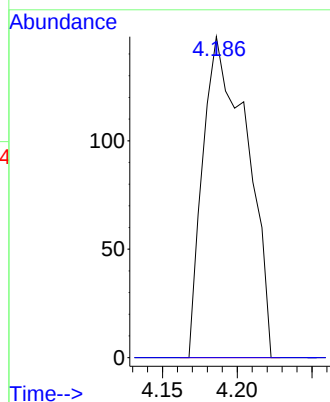




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.186 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY011207.D
Acq: 31 Oct 2022 19:04

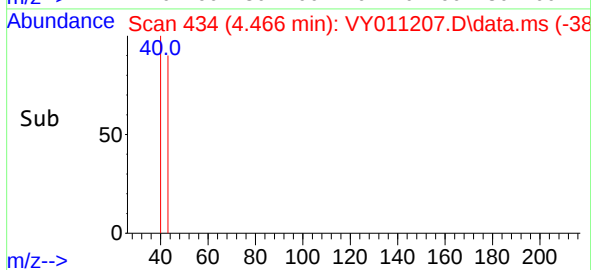
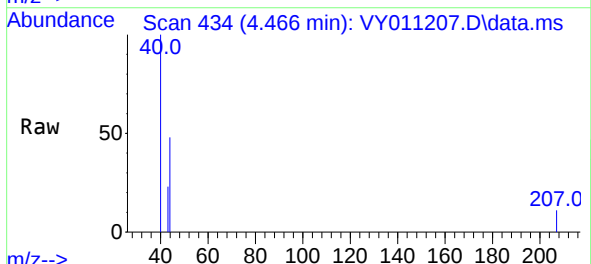
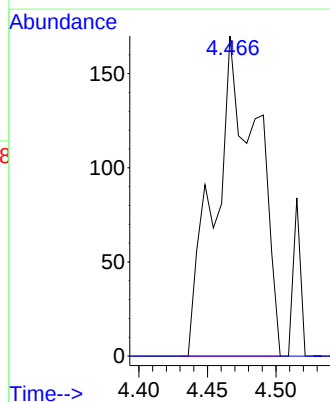
Instrument :
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OR-2-102822

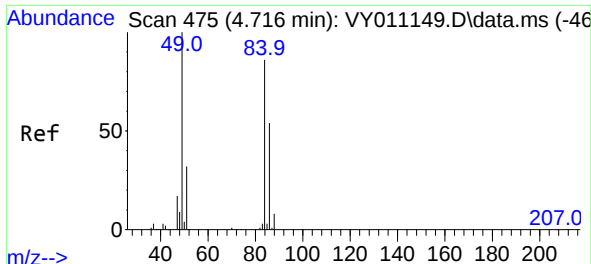
Tgt Ion: 76 Resp: 303
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.466 min Scan# 434
Delta R.T. -0.007 min
Lab File: VY011207.D
Acq: 31 Oct 2022 19:04

Tgt Ion: 43 Resp: 368
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

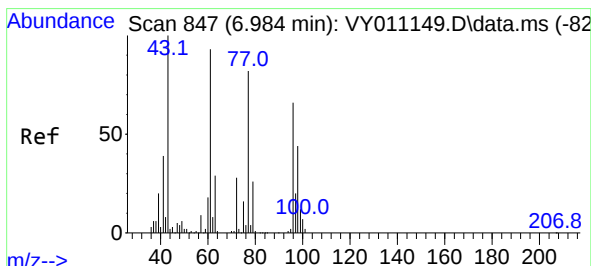
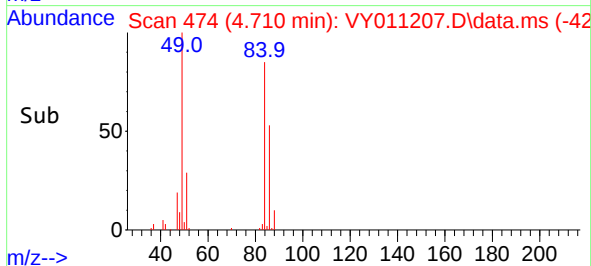
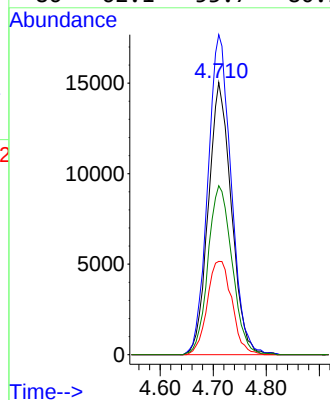
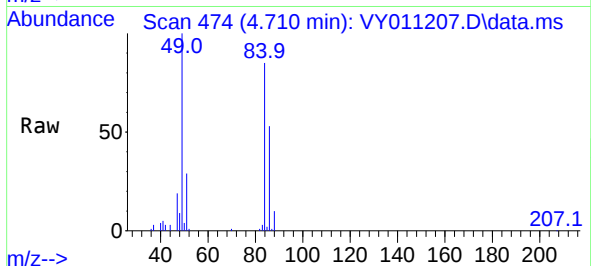




#20
Methylene Chloride
Concen: 12.467 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011207.D
Acq: 31 Oct 2022 19:04

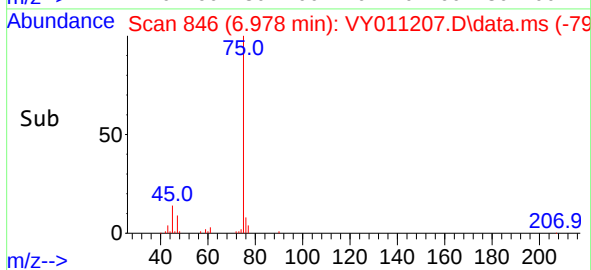
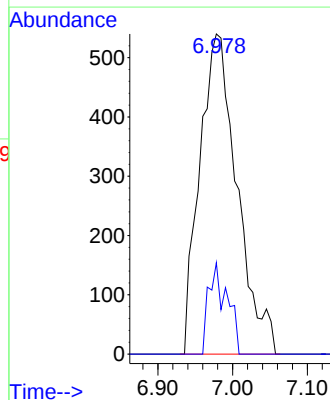
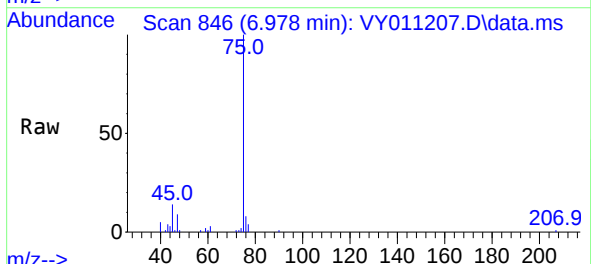
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ClientSampleId :
OR-2-102822

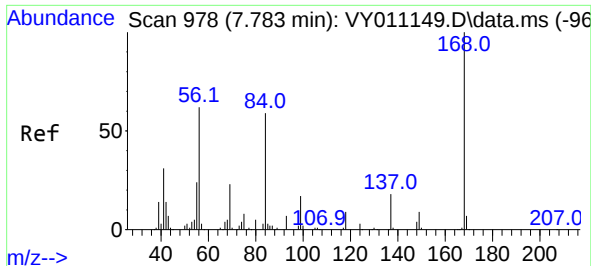
Tgt Ion: 84 Resp: 45371
Ion Ratio Lower Upper
84 100
49 117.6 114.4 171.6
51 34.2 35.3 52.9#
86 62.1 53.7 80.5



#25
2-Butanone
Concen: 2.088 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY011207.D
Acq: 31 Oct 2022 19:04

Tgt Ion: 43 Resp: 1876
Ion Ratio Lower Upper
43 100
72 28.5 17.7 26.5#

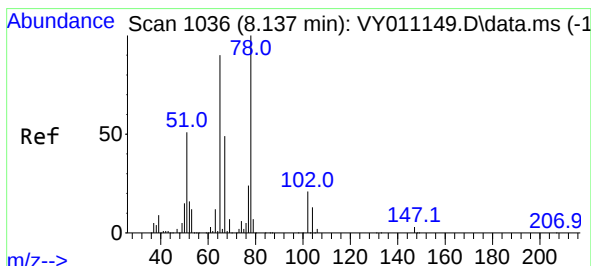
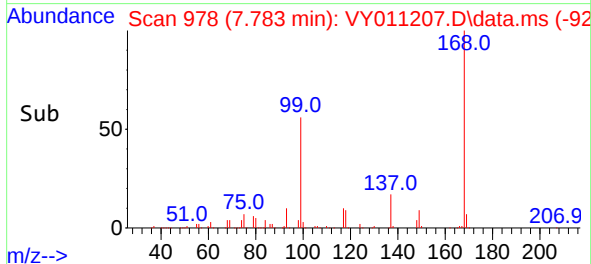
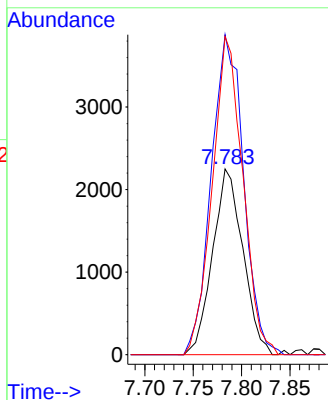
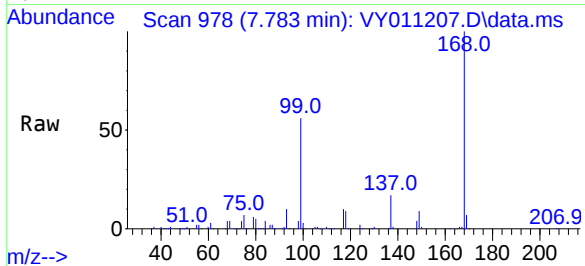




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011207.D
Acq: 31 Oct 2022 19:04

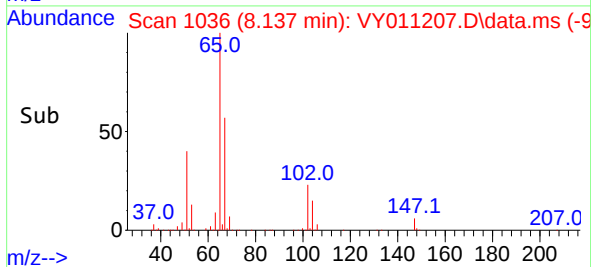
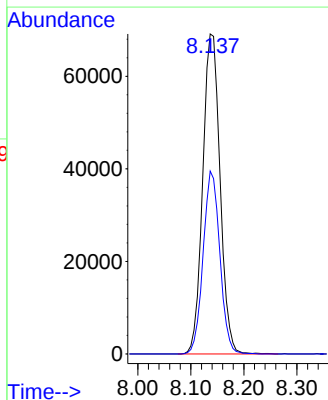
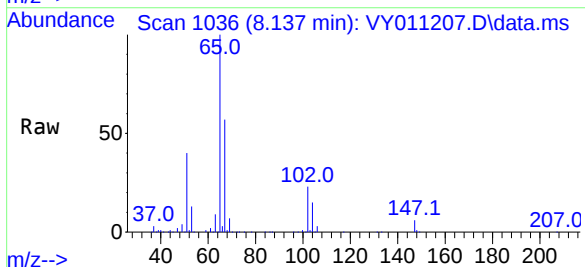
Instrument :
MSVOA_Y
ClientSampleId :
OR-2-102822

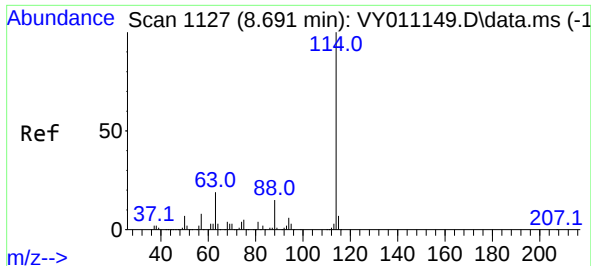
Tgt Ion: 56 Resp: 4907
Ion Ratio Lower Upper
56 100
69 172.3 26.7 40.1#
84 171.2 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 61.279 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY011207.D
Acq: 31 Oct 2022 19:04

Tgt Ion: 65 Resp: 156990
Ion Ratio Lower Upper
65 100
67 55.0 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY011207.D

Acq: 31 Oct 2022 19:04

Instrument :

MSVOA_Y

ClientSampleId :

OR-2-102822

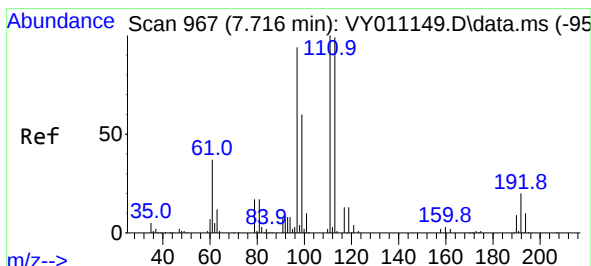
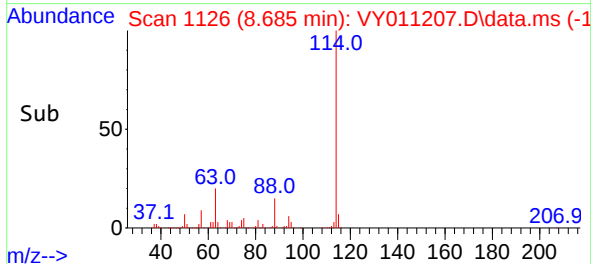
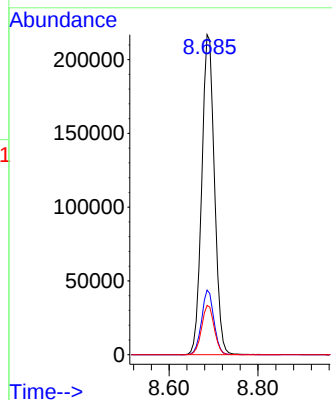
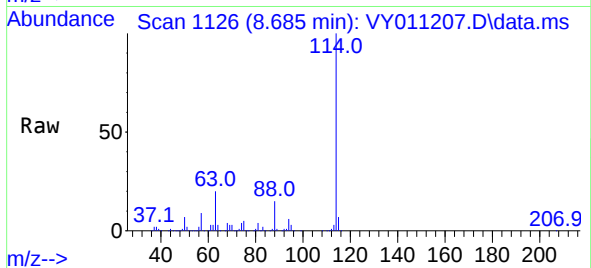
Tgt Ion:114 Resp: 431521

Ion Ratio Lower Upper

114 100

63 20.2 0.0 43.2

88 15.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 60.047 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011207.D

Acq: 31 Oct 2022 19:04

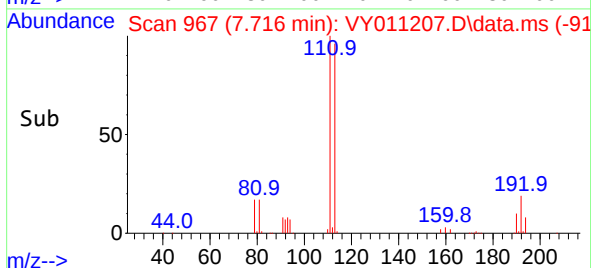
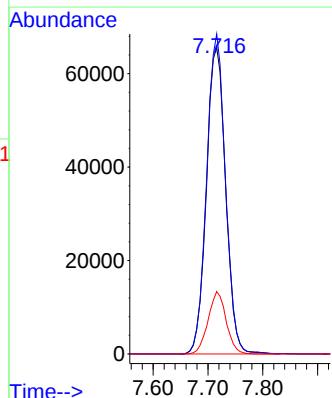
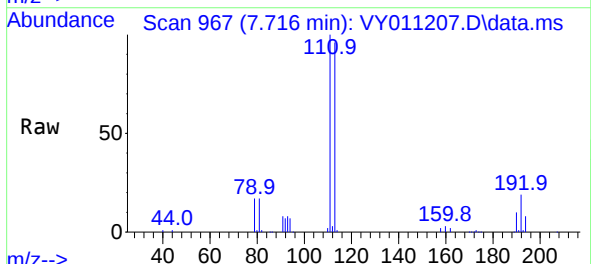
Tgt Ion:113 Resp: 159345

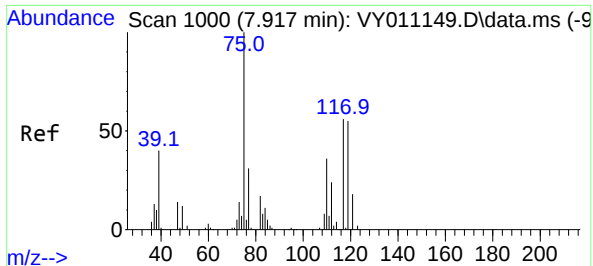
Ion Ratio Lower Upper

113 100

111 102.5 82.6 124.0

192 19.1 17.6 26.4





#36

1,1-Dichloropropene

Concen: 5.385 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY011207.D

Acq: 31 Oct 2022 19:04

Instrument :

MSVOA_Y

ClientSampleId :

OR-2-102822

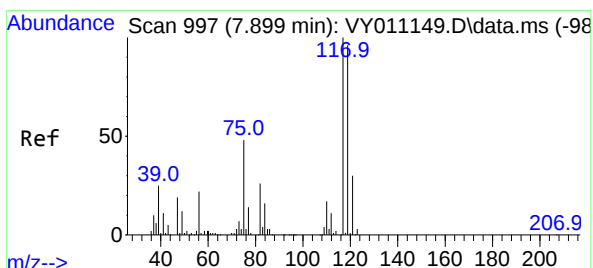
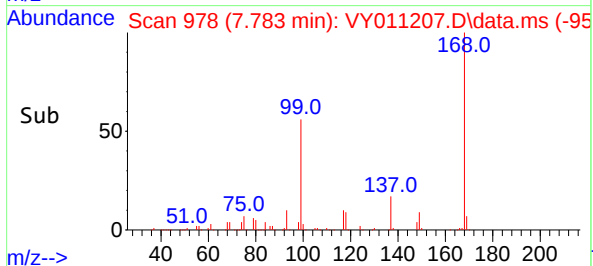
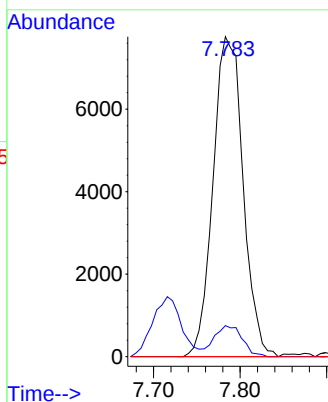
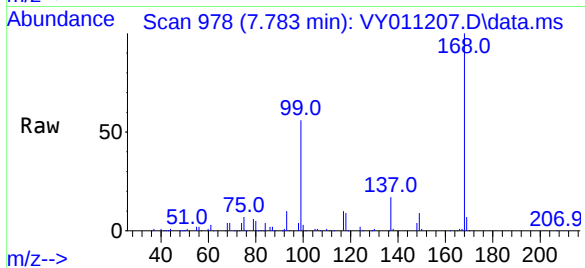
Tgt Ion: 75 Resp: 18631

Ion Ratio Lower Upper

75 100

110 9.3 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.513 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY011207.D

Acq: 31 Oct 2022 19:04

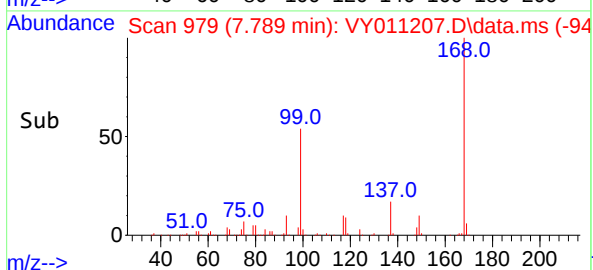
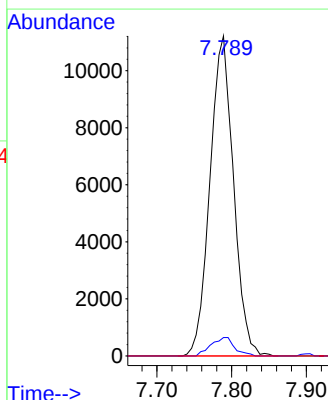
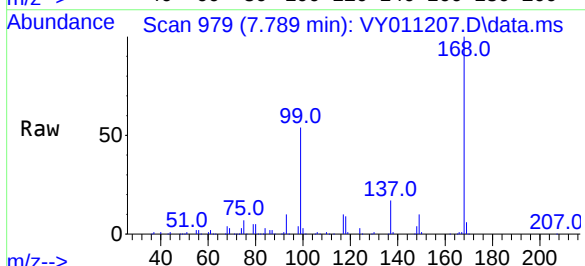
Tgt Ion: 117 Resp: 24542

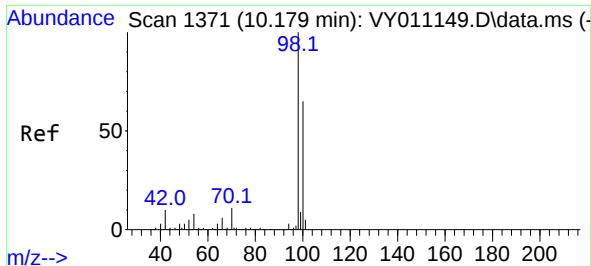
Ion Ratio Lower Upper

117 100

119 5.7 77.9 116.9#

121 0.0 24.8 37.2#

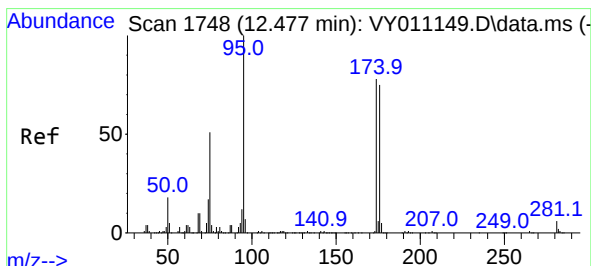
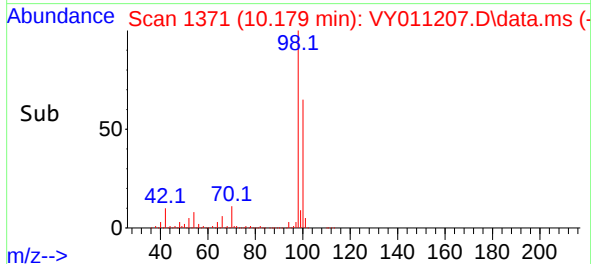
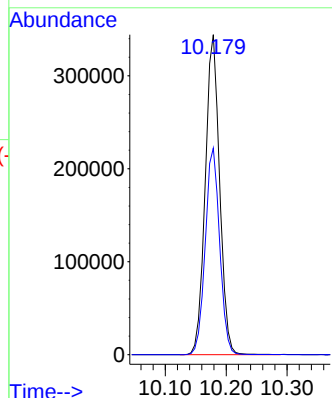
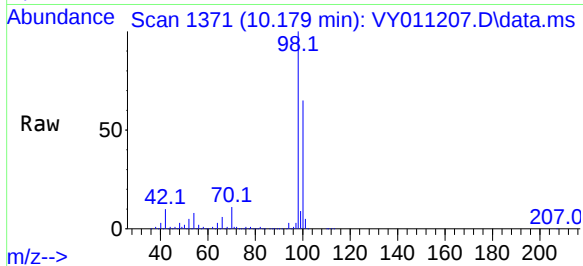




#50
Toluene-d8
Concen: 53.657 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011207.D
Acq: 31 Oct 2022 19:04

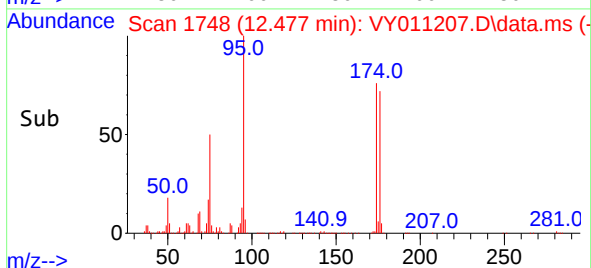
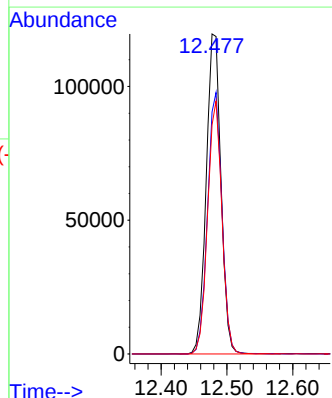
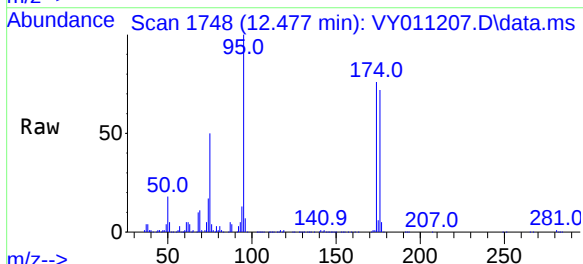
Instrument :
MSVOA_Y
ClientSampleId :
OR-2-102822

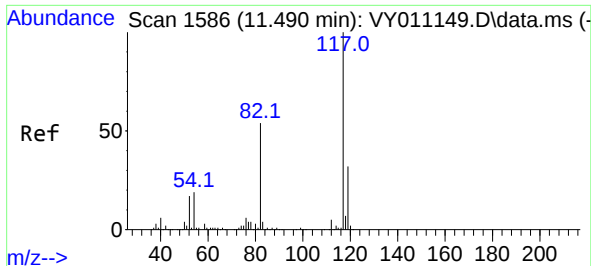
Tgt Ion: 98 Resp: 564103
Ion Ratio Lower Upper
98 100
100 64.7 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 54.199 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY011207.D
Acq: 31 Oct 2022 19:04

Tgt Ion: 95 Resp: 186441
Ion Ratio Lower Upper
95 100
174 80.0 0.0 177.0
176 76.9 0.0 175.8

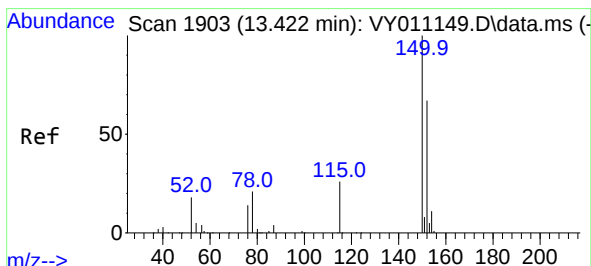
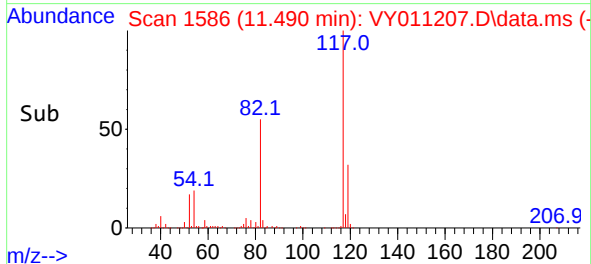
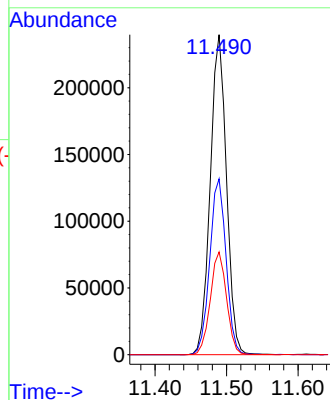
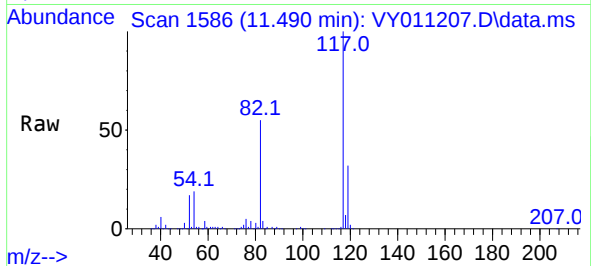




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY011207.D
Acq: 31 Oct 2022 19:04

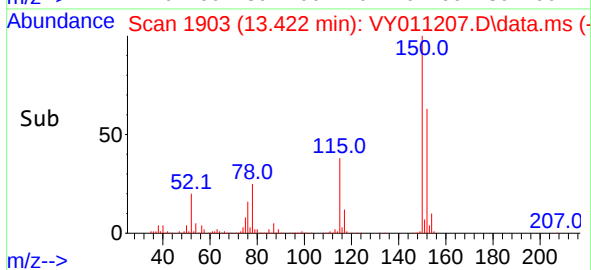
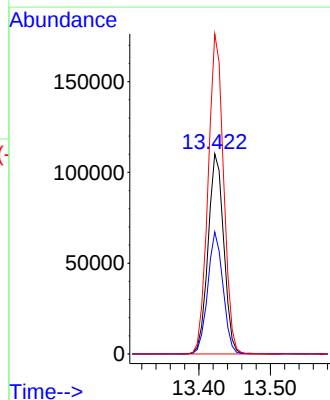
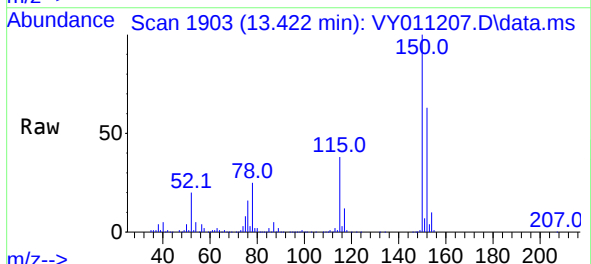
Instrument :
MSVOA_Y
ClientSampleId :
OR-2-102822

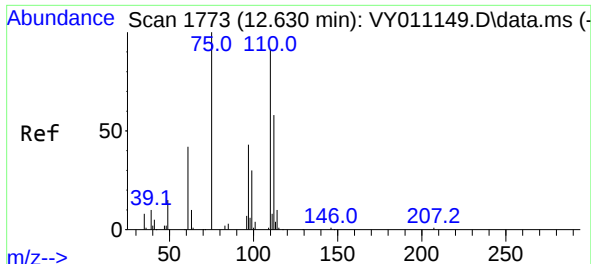
Tgt Ion:117 Resp: 377597
Ion Ratio Lower Upper
117 100
82 55.0 43.0 64.4
119 32.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY011207.D
Acq: 31 Oct 2022 19:04

Tgt Ion:152 Resp: 167714
Ion Ratio Lower Upper
152 100
115 59.6 28.2 84.7
150 158.4 0.0 347.6

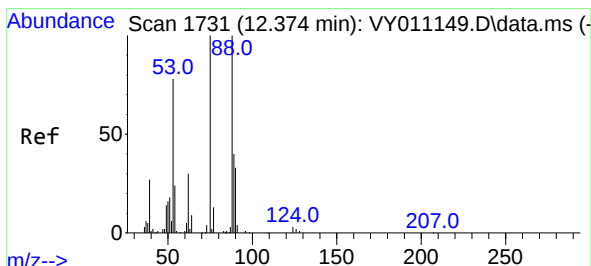
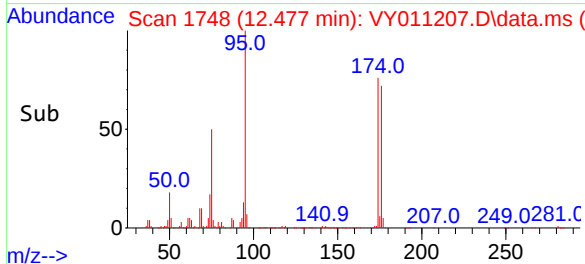
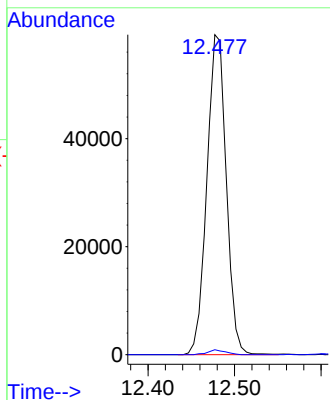
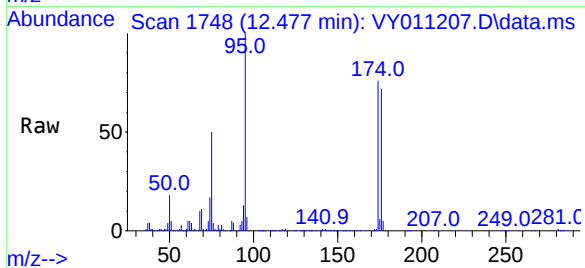




#76
1,2,3-Trichloropropane
Concen: 52.848 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011207.D
Acq: 31 Oct 2022 19:04

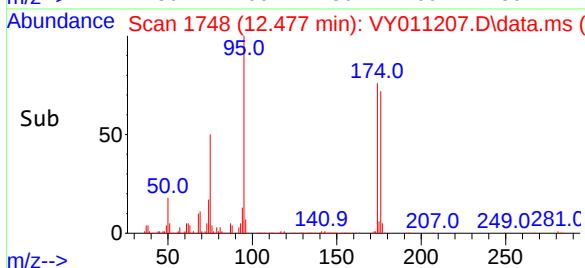
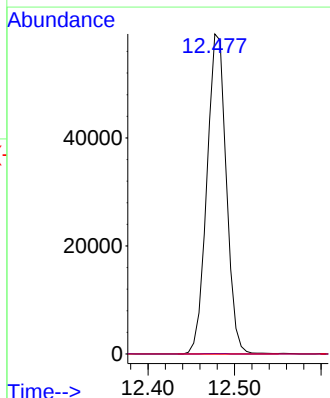
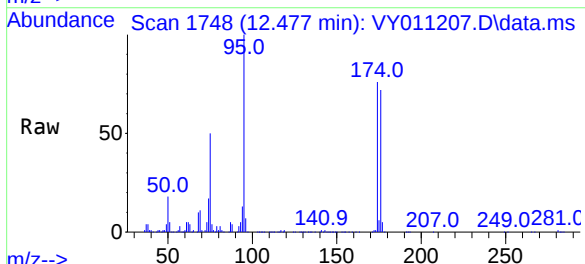
Instrument :
MSVOA_Y
ClientSampleId :
OR-2-102822

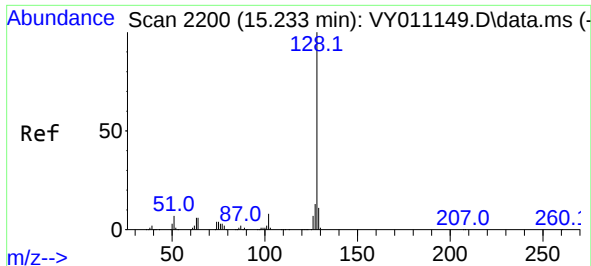
Tgt Ion: 75 Resp: 92149
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.231 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY011207.D
Acq: 31 Oct 2022 19:04

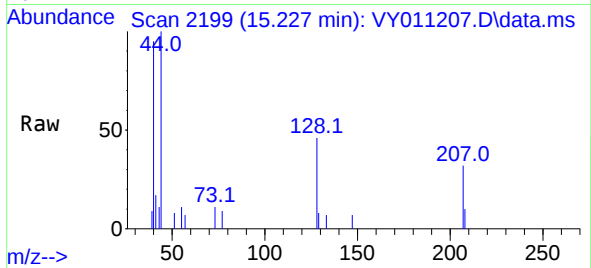
Tgt Ion: 75 Resp: 92149
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#





#95
Naphthalene
Concen: 4.438 ug/l
RT: 15.227 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY011207.D
Acq: 31 Oct 2022 19:04

Instrument :
MSVOA_Y
ClientSampleId :
OR-2-102822



Tgt Ion:128 Resp: 551
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 7.4 8.4 12.6#

