

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082523\
 Data File : VY015338.D
 Acq On : 25 Aug 2023 13:30
 Operator : SY/MD
 Sample : 04091-19
 Misc : 5.11g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 25 13:46:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	166695	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	275720	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	253457	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	125755	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	109010	54.477	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	108.960%
35) Dibromofluoromethane	7.716	113	88174	49.709	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.420%
50) Toluene-d8	10.179	98	322090	48.779	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.560%
62) 4-Bromofluorobenzene	12.483	95	114501	47.476	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.960%

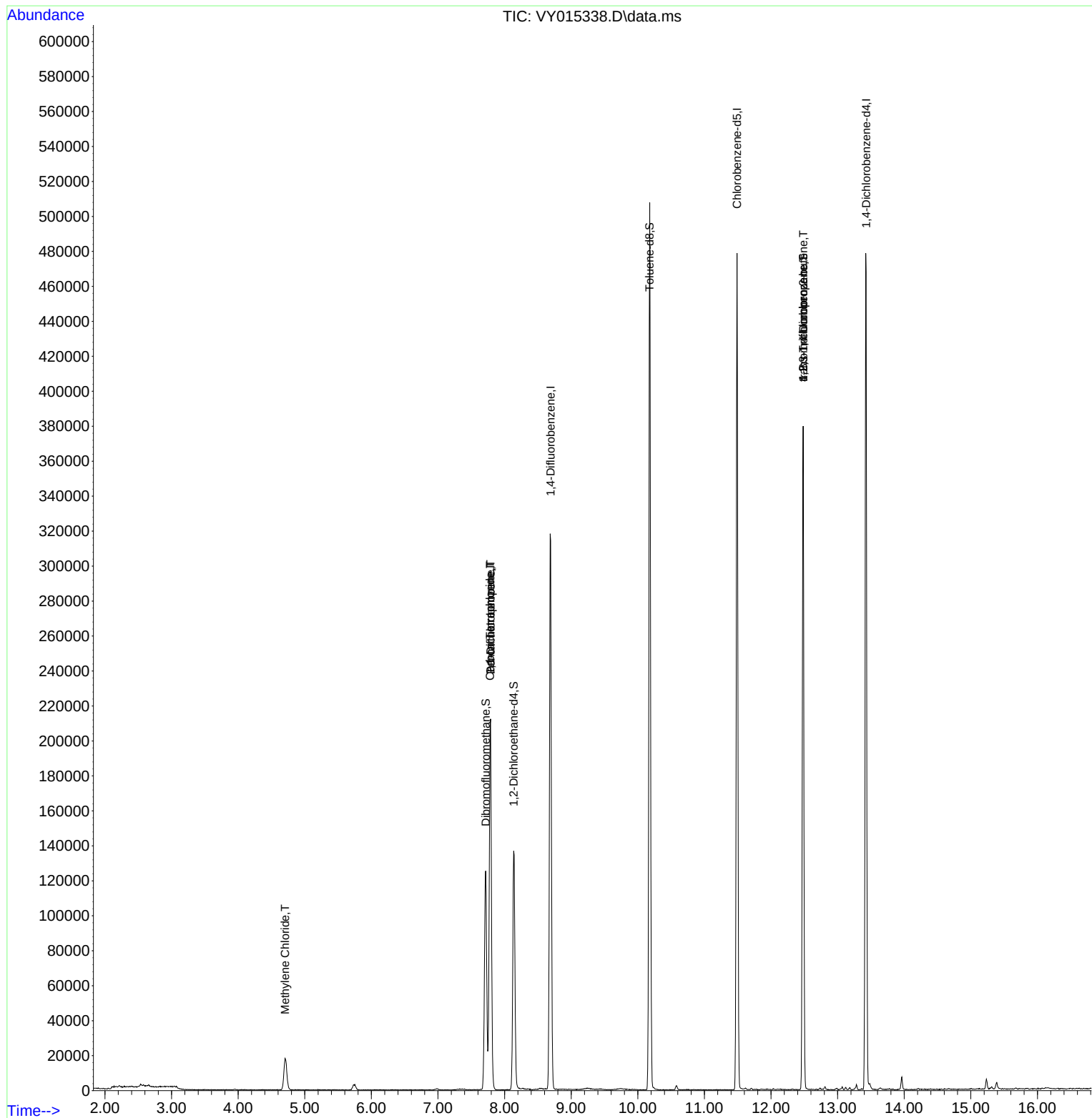
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.906	85	83	Below Cal	# 43
3) Chloromethane	2.101	50	410	Below Cal	# 81
5) Bromomethane	2.650	94	286	Below Cal	# 96
11) Tert butyl alcohol	4.966	59	72	Below Cal	# 89
20) Methylene Chloride	4.704	84	14247	5.221	ug/l 95
31) Cyclohexane	7.789	56	3330	Below Cal	# 1
36) 1,1-Dichloropropene	7.789	75	12857	6.552	ug/l # 50
38) Carbon Tetrachloride	7.783	117	16233	6.990	ug/l # 16
76) 1,2,3-Trichloropropane	12.483	75	60654	39.699	ug/l # 100
81) trans-1,4-Dichloro-2-b...	12.483	75	60654	87.199	ug/l # 11

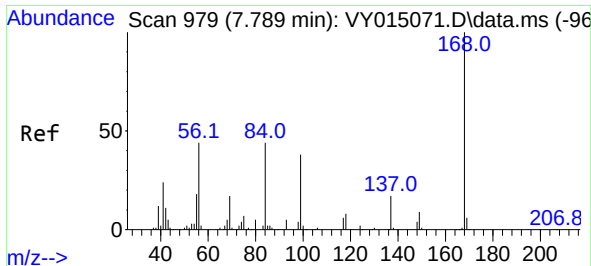
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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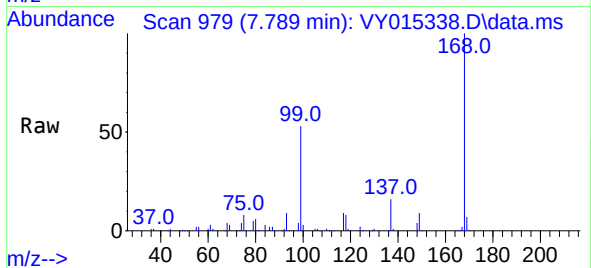
Quant Time: Aug 25 13:46:10 2023
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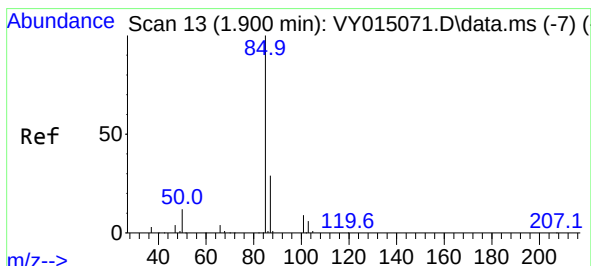
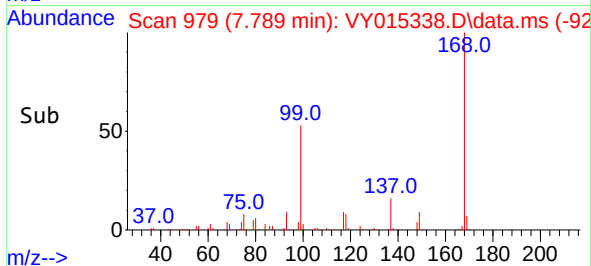
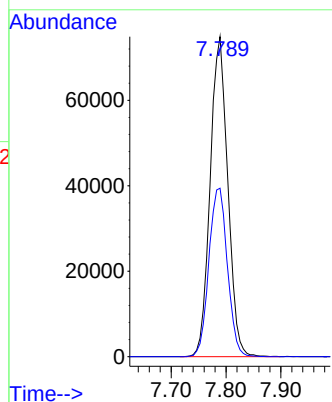


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015338.D
Acq: 25 Aug 2023 13:30

Instrument :
MSVOA_Y
ClientSampleId :

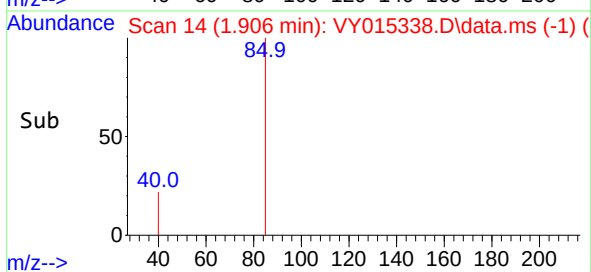
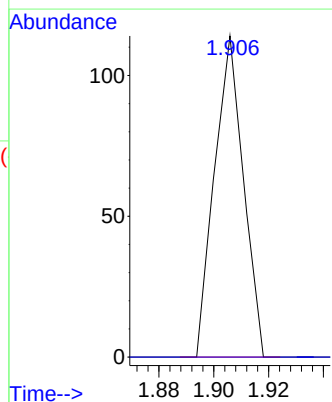
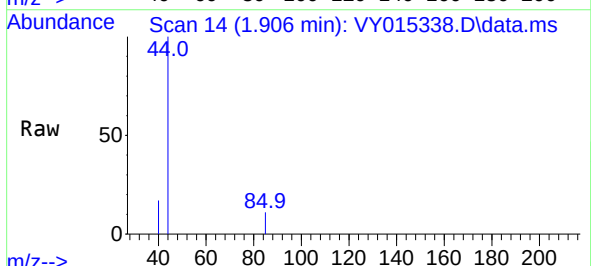


Tgt Ion:168 Resp: 166695
Ion Ratio Lower Upper
168 100
99 52.7 43.4 65.0

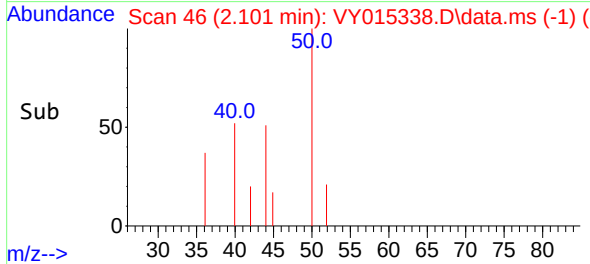
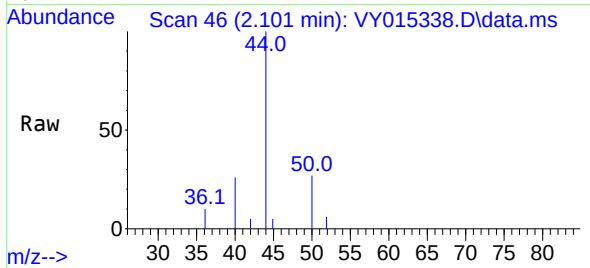
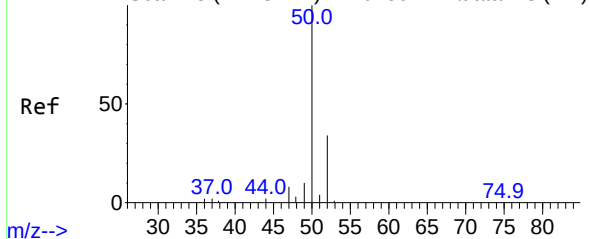


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY015338.D
Acq: 25 Aug 2023 13:30

Tgt Ion: 85 Resp: 83
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#



Abundance Scan 48 (2.113 min): VY015071.D\data.ms (-41)



#3

Chloromethane

Concen: Below Cal

RT: 2.101 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY015338.D

Acq: 25 Aug 2023 13:30

Instrument :

MSVOA_Y

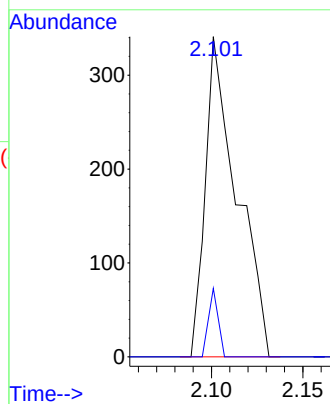
ClientSampleId :

Tgt Ion: 50 Resp: 410

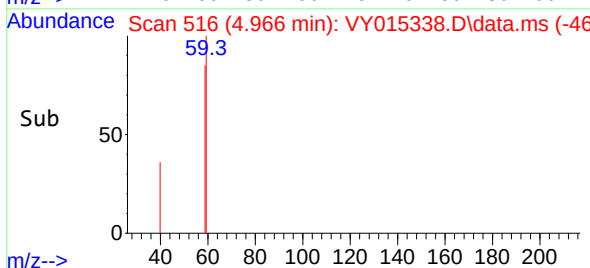
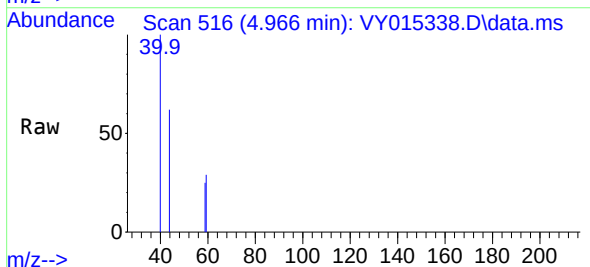
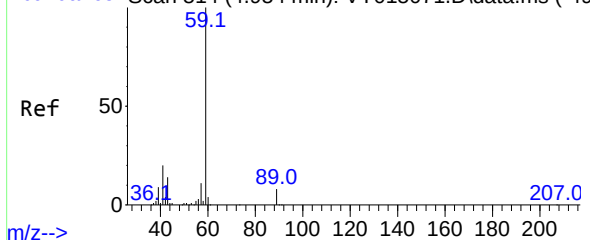
Ion Ratio Lower Upper

50 100

52 21.4 25.4 38.2#



Abundance Scan 514 (4.954 min): VY015071.D\data.ms (-49)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.966 min Scan# 516

Delta R.T. 0.018 min

Lab File: VY015338.D

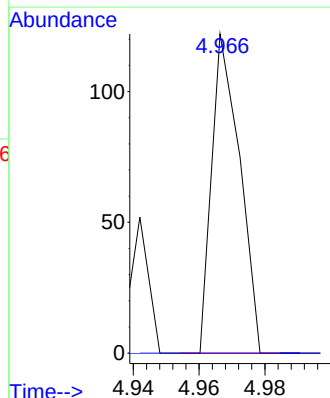
Acq: 25 Aug 2023 13:30

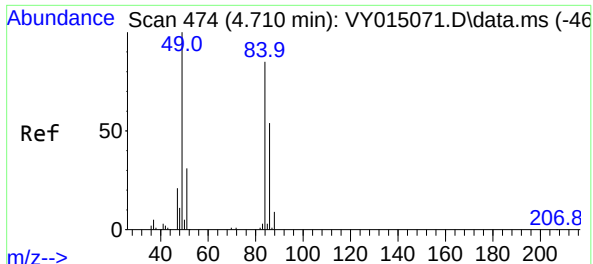
Tgt Ion: 59 Resp: 72

Ion Ratio Lower Upper

59 100

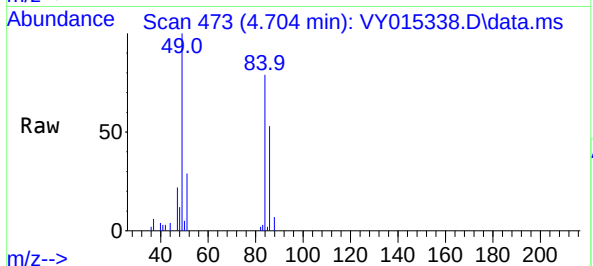
57 0.0 3.0 4.4#





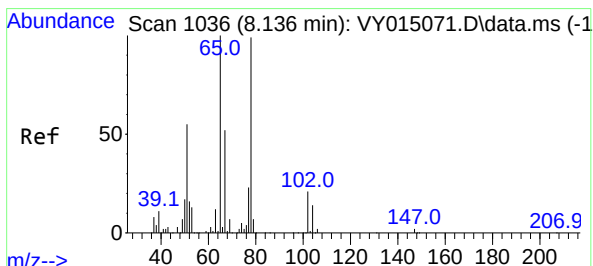
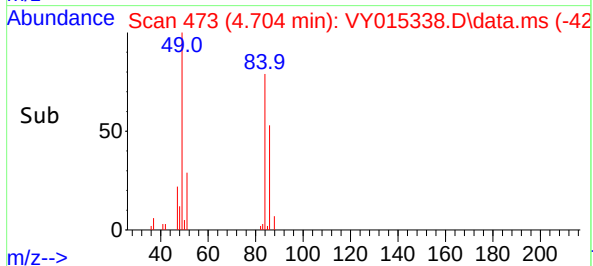
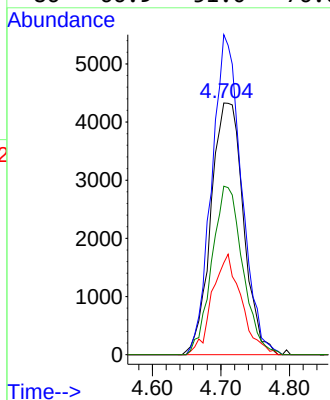
#20
Methylene Chloride
Concen: 5.221 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY015338.D
Acq: 25 Aug 2023 13:30

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 14247

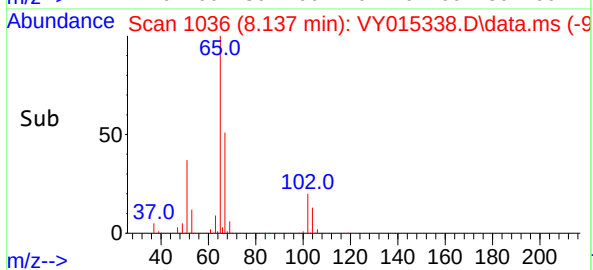
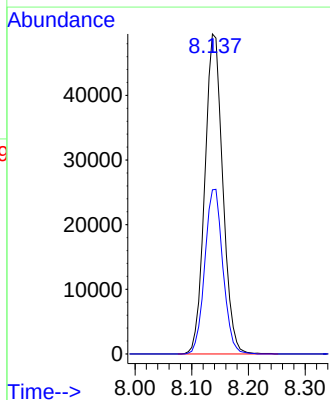
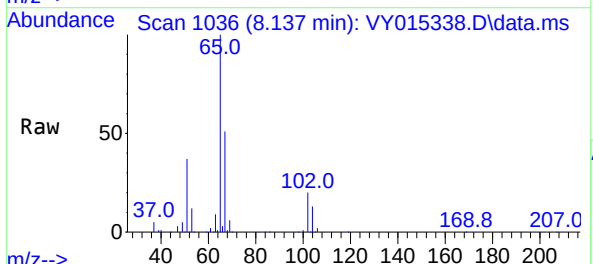
Ion	Ratio	Lower	Upper
84	100		
49	127.2	106.9	160.3
51	36.5	33.2	49.8
86	66.9	51.0	76.6

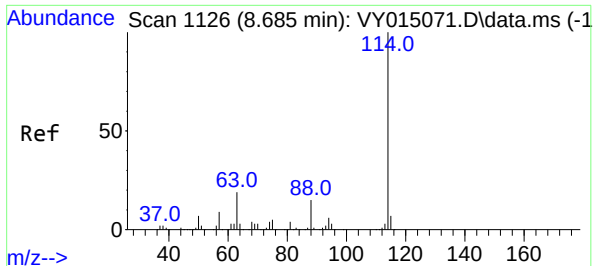


#33
1,2-Dichloroethane-d4
Concen: 54.477 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015338.D
Acq: 25 Aug 2023 13:30

Tgt Ion: 65 Resp: 109010

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY015338.D

Acq: 25 Aug 2023 13:30

Instrument :

MSVOA_Y

ClientSampleId :

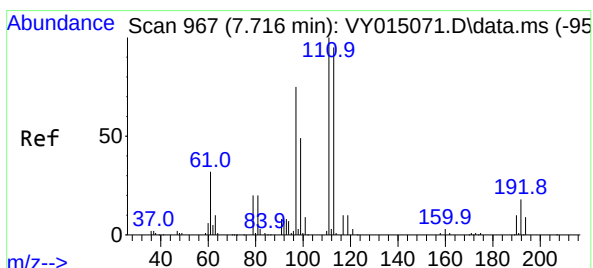
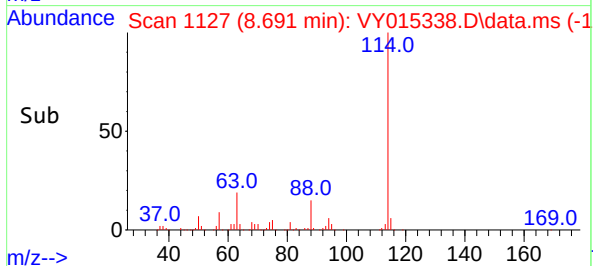
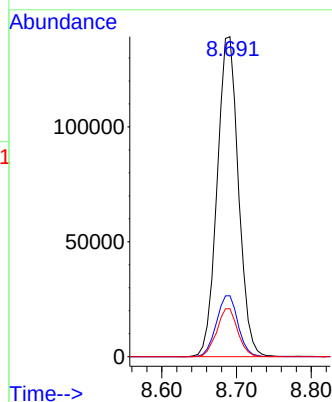
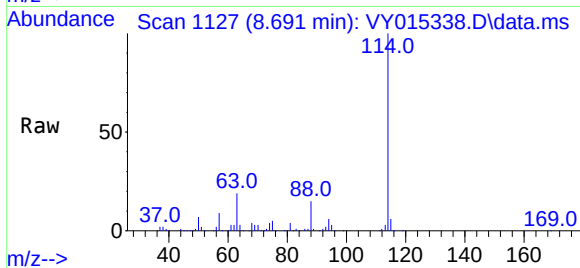
Tgt Ion:114 Resp: 275720

Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.709 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY015338.D

Acq: 25 Aug 2023 13:30

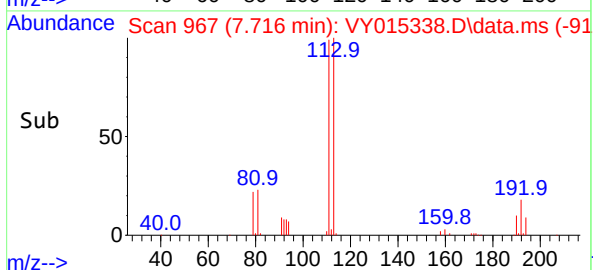
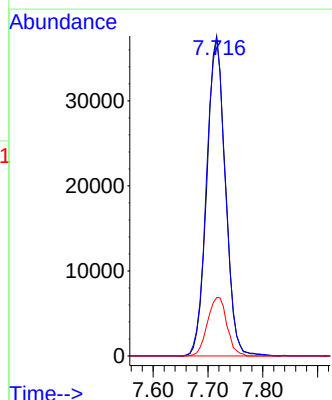
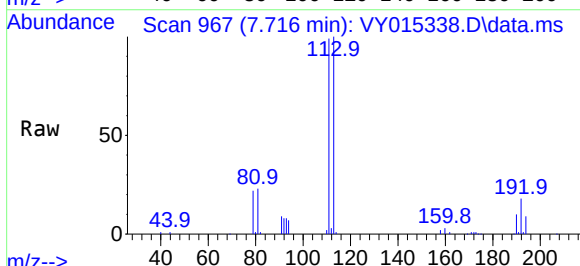
Tgt Ion:113 Resp: 88174

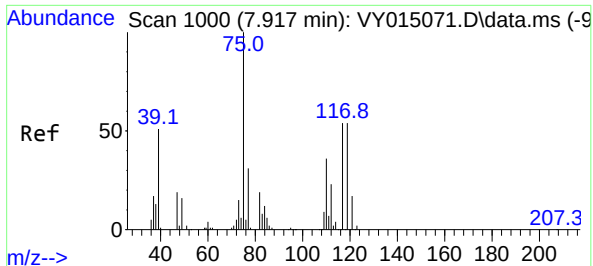
Ion Ratio Lower Upper

113 100

111 100.5 81.3 121.9

192 19.2 16.9 25.3





#36

1,1-Dichloropropene

Concen: 6.552 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY015338.D

Acq: 25 Aug 2023 13:30

Instrument :

MSVOA_Y

ClientSampleId :

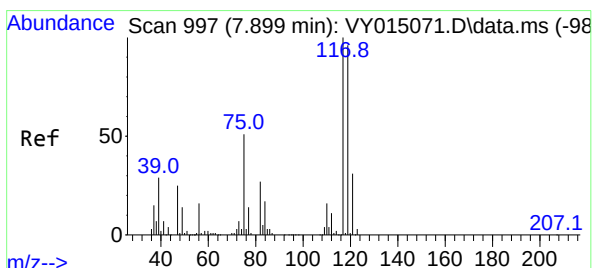
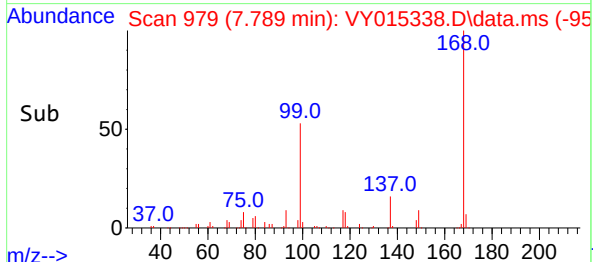
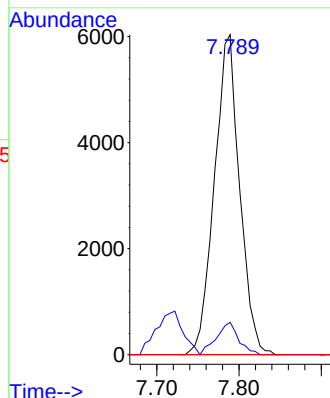
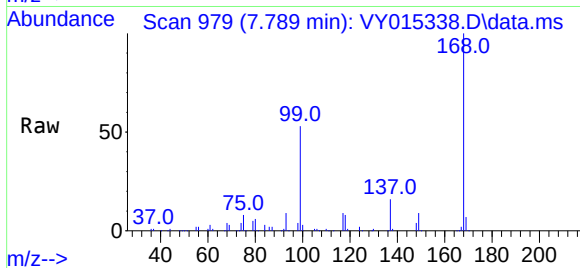
Tgt Ion: 75 Resp: 12857

Ion Ratio Lower Upper

75 100

110 9.0 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.990 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY015338.D

Acq: 25 Aug 2023 13:30

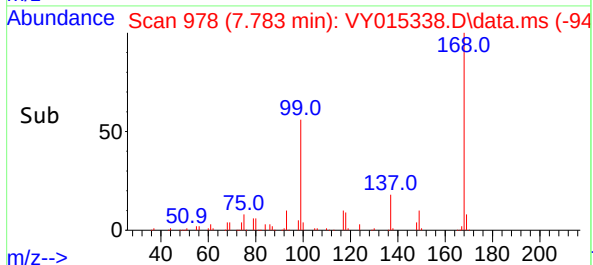
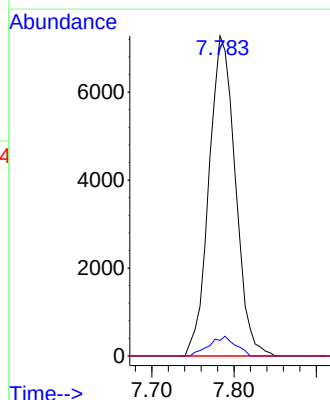
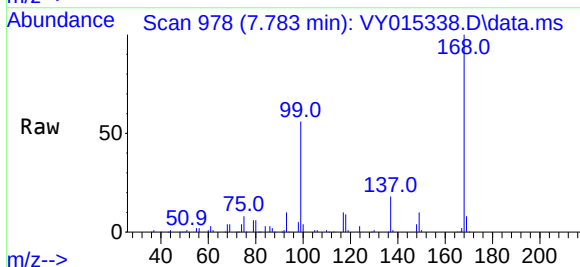
Tgt Ion: 117 Resp: 16233

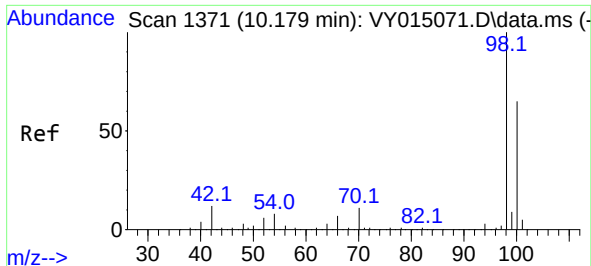
Ion Ratio Lower Upper

117 100

119 4.8 76.4 114.6#

121 0.0 25.8 38.6#

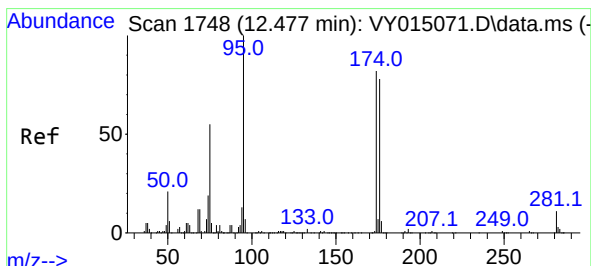
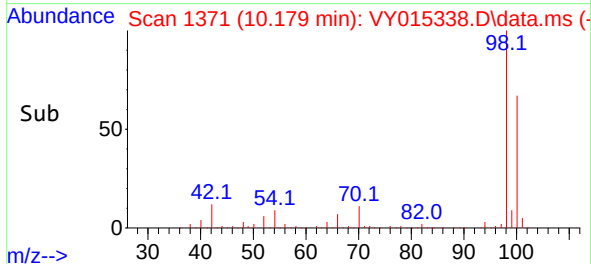
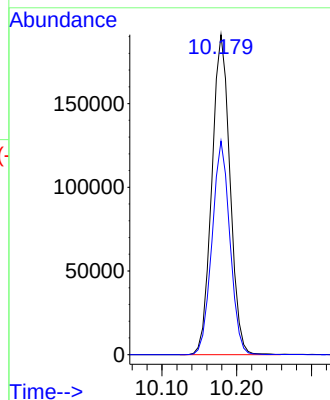
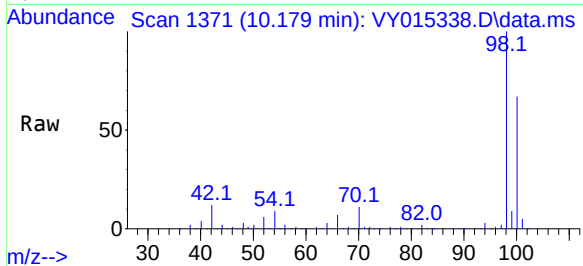




#50
Toluene-d8
Concen: 48.779 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015338.D
Acq: 25 Aug 2023 13:30

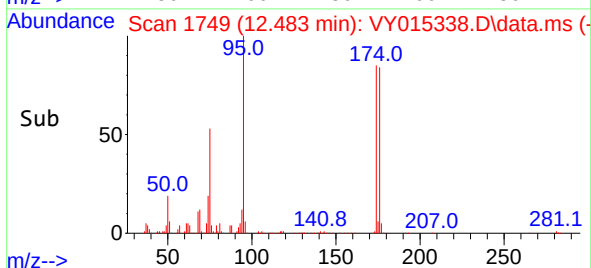
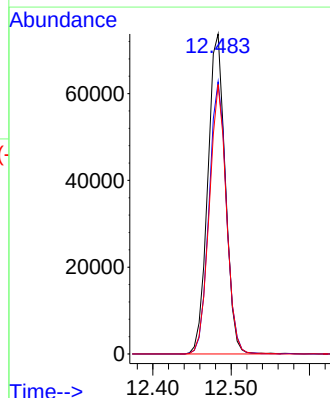
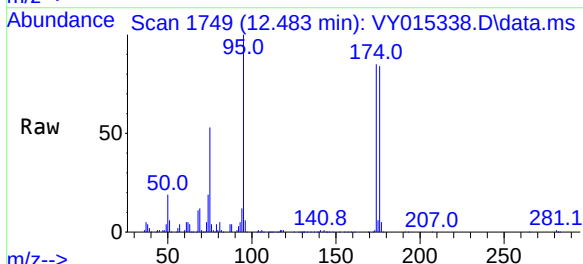
Instrument :
MSVOA_Y
ClientSampleId :

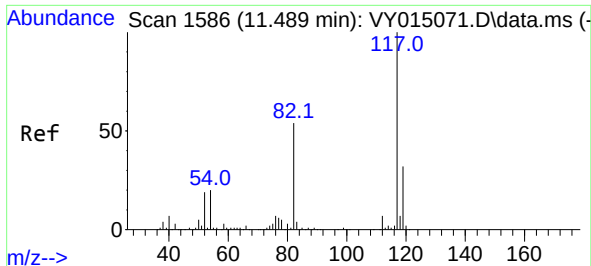
Tgt Ion: 98 Resp: 322090
Ion Ratio Lower Upper
98 100
100 65.7 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 47.476 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015338.D
Acq: 25 Aug 2023 13:30

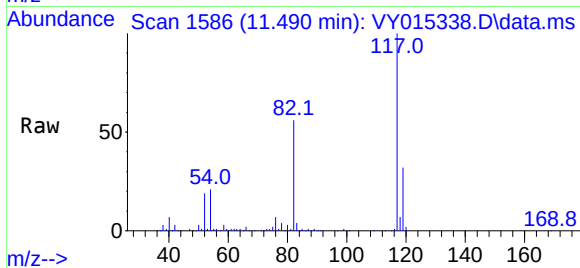
Tgt Ion: 95 Resp: 114501
Ion Ratio Lower Upper
95 100
174 84.2 0.0 178.2
176 82.0 0.0 173.8



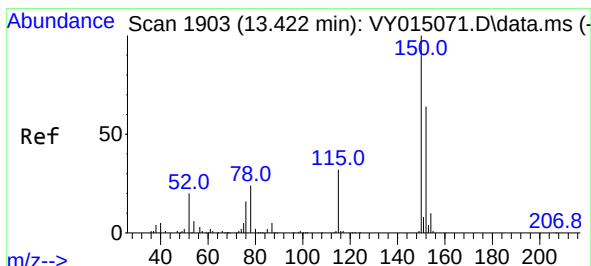
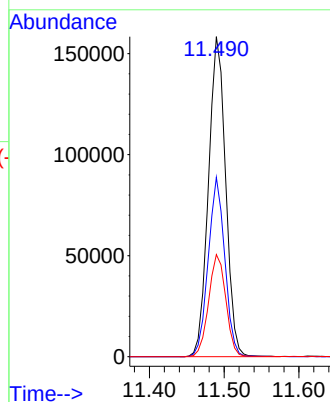
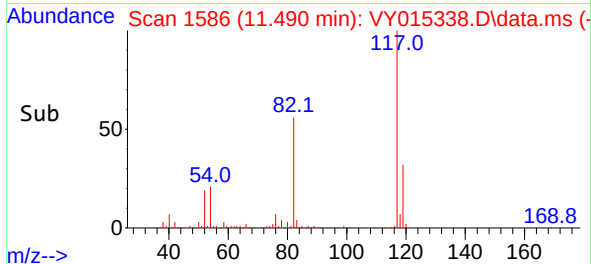


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015338.D
Acq: 25 Aug 2023 13:30

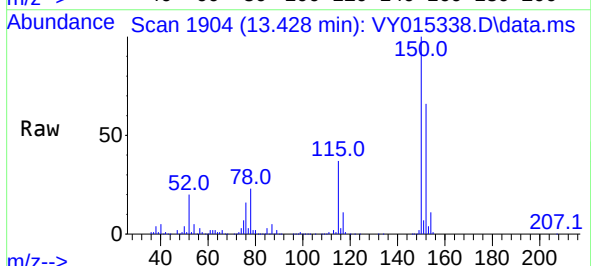
Instrument :
MSVOA_Y
ClientSampleId :



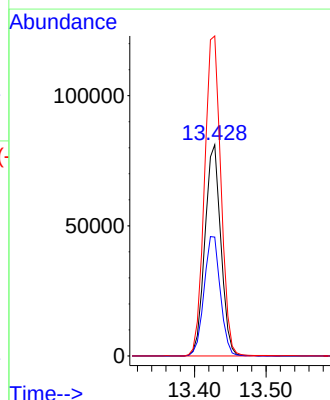
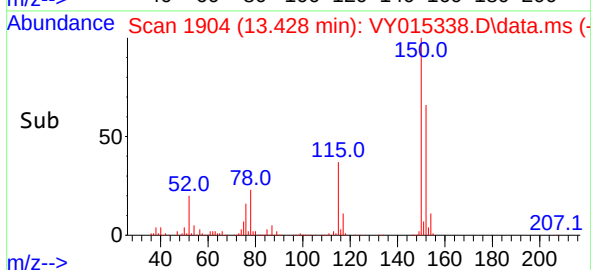
Tgt Ion:117 Resp: 253457
Ion Ratio Lower Upper
117 100
82 56.1 43.4 65.0
119 31.9 26.3 39.5

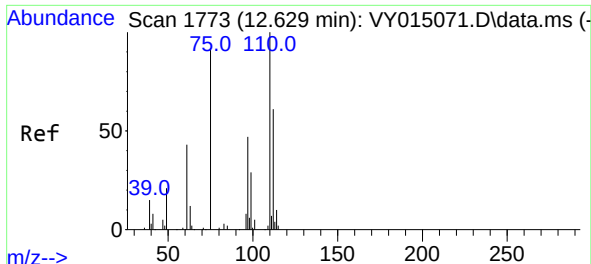


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY015338.D
Acq: 25 Aug 2023 13:30



Tgt Ion:152 Resp: 125755
Ion Ratio Lower Upper
152 100
115 57.9 28.8 86.5
150 155.8 0.0 348.8

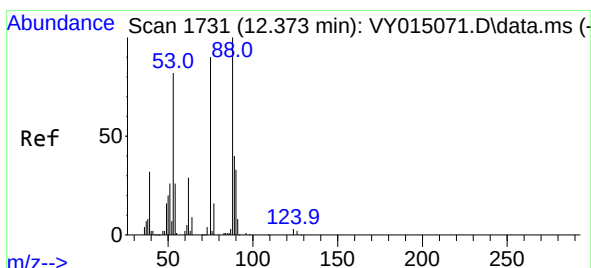
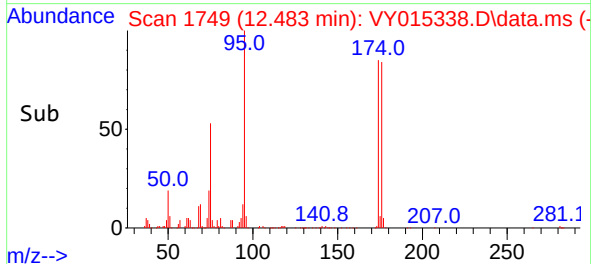
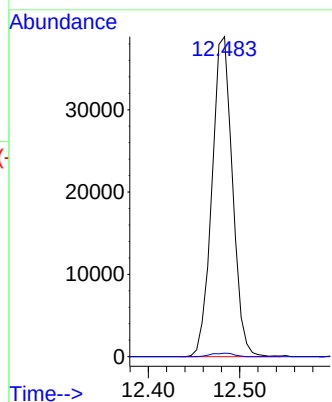
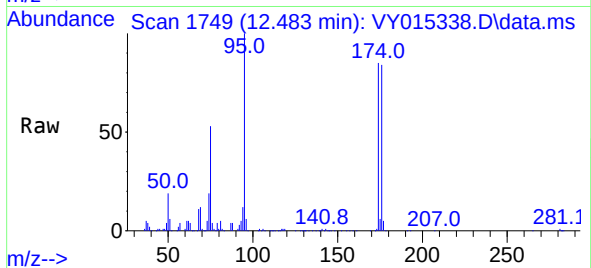




#76
1,2,3-Trichloropropane
Concen: 39.699 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY015338.D
Acq: 25 Aug 2023 13:30

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 60654
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.199 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.110 min
Lab File: VY015338.D
Acq: 25 Aug 2023 13:30

Tgt Ion: 75 Resp: 60654
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

