

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052322\
 Data File : VY009008.D
 Acq On : 23 May 2022 15:54
 Operator : KP/MD
 Sample : N2982-02
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P-2

Quant Time: May 24 01:48:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	40382	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	65368	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	54973	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	20153	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	21195	50.998	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.000%
35) Dibromofluoromethane	7.716	113	20758	51.067	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.140%
50) Toluene-d8	10.179	98	79633	53.103	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.200%
62) 4-Bromofluorobenzene	12.477	95	18386	30.394	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	60.780%

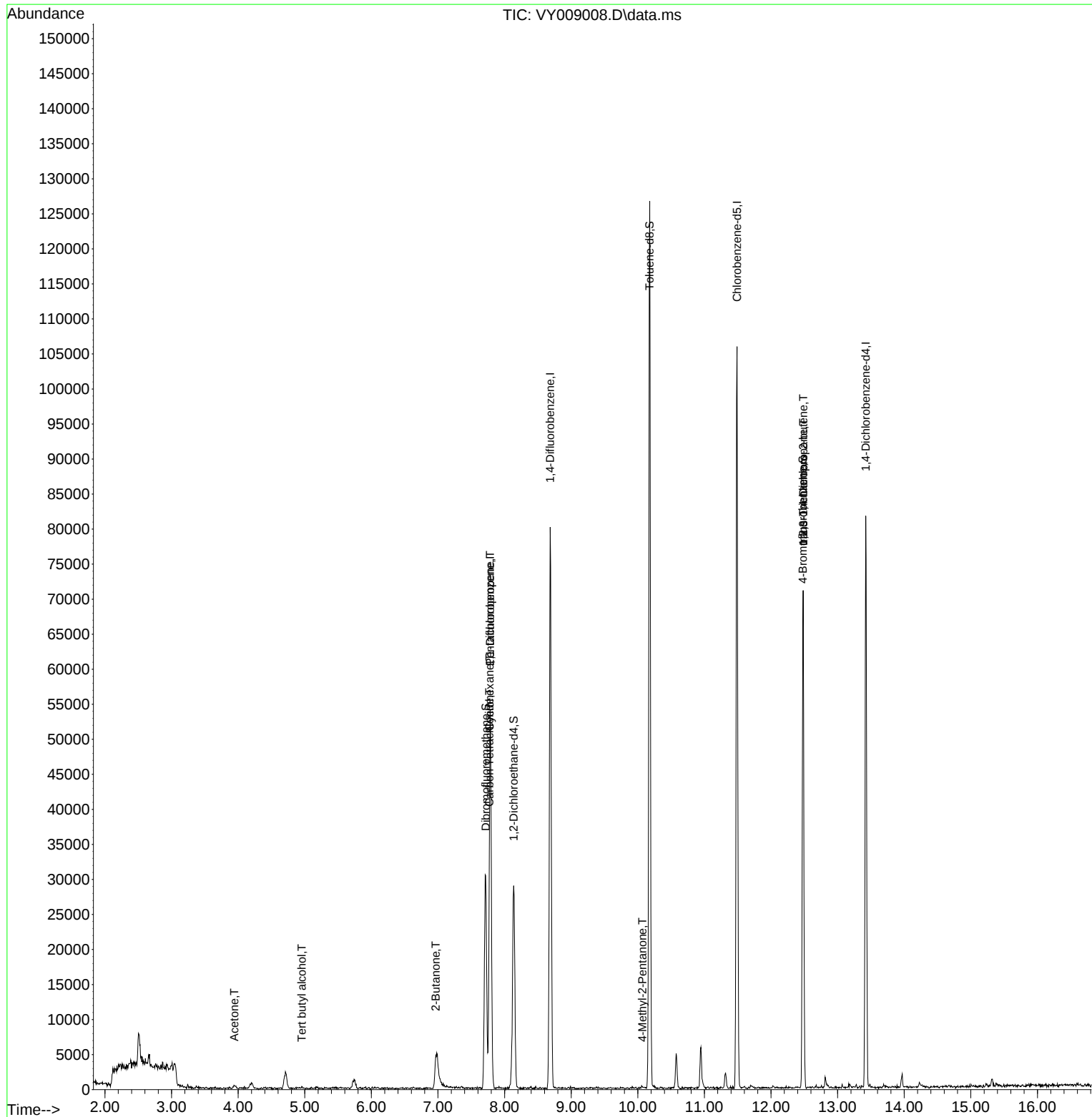
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.954	59	48	1.139	ug/l #	77
16) Acetone	3.942	43	681	7.872	ug/l #	79
20) Methylene Chloride	4.710	84	1780	Below Cal	#	90
25) 2-Butanone	6.966	43	252	1.631	ug/l #	54
31) Cyclohexane	7.777	56	1078	1.326	ug/l #	57
36) 1,1-Dichloropropene	7.783	75	3331	4.815	ug/l #	49
38) Carbon Tetrachloride	7.771	117	4106	5.674	ug/l #	14
51) 4-Methyl-2-Pentanone	10.069	43	400	1.083	ug/l #	40
76) 1,2,3-Trichloropropane	12.483	75	10777	49.797	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	10777	102.208	ug/l #	7

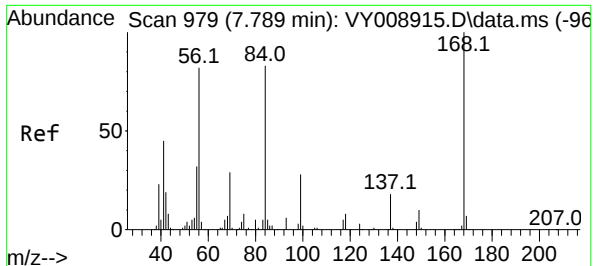
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052322\
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Quant Time: May 24 01:48:59 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
Quant Title : SW846 8260
QLast Update : Fri May 20 23:50:52 2022
Response via : Initial Calibration

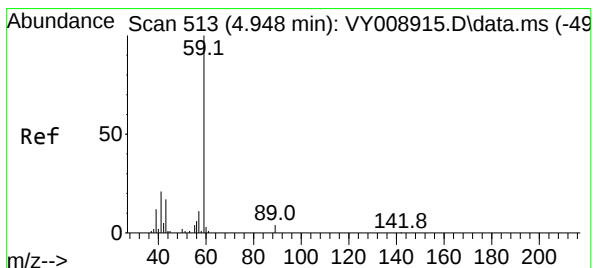
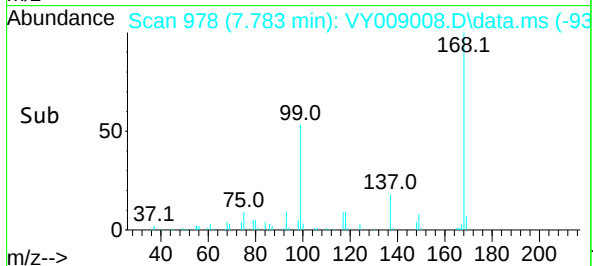
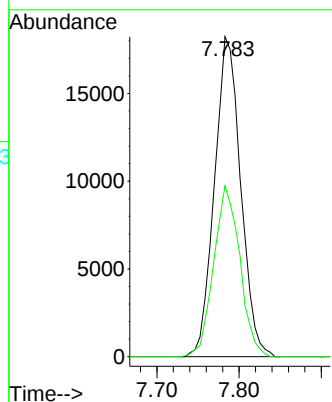
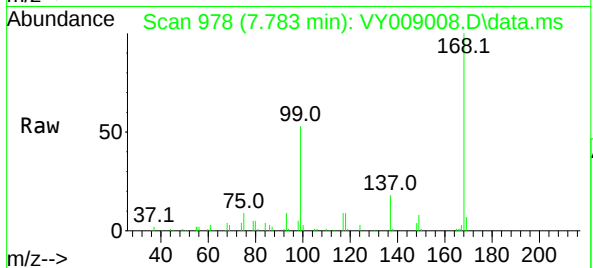




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY009008.D
Acq: 23 May 2022 15:54

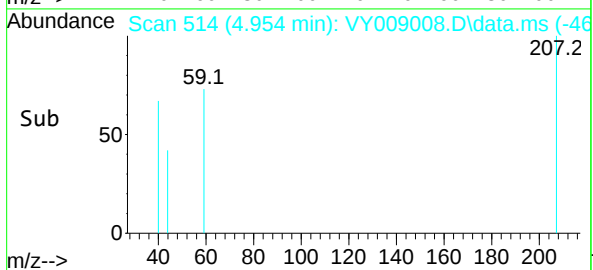
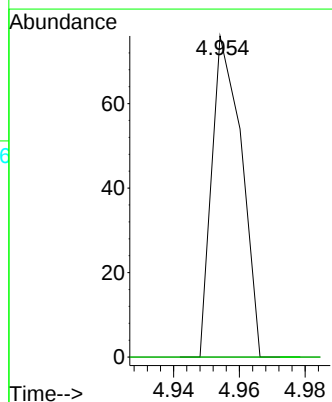
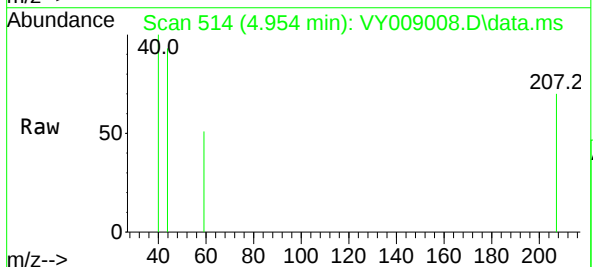
Instrument :
MSVOA_Y
ClientSampleId :
P-2

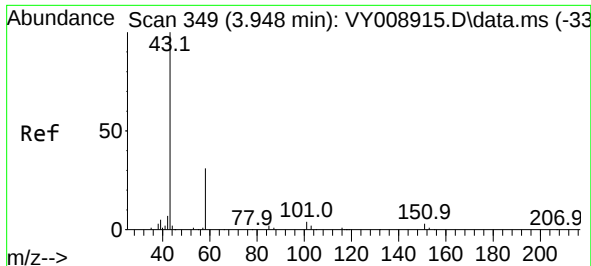
Tgt Ion:168 Resp: 40382
Ion Ratio Lower Upper
168 100
99 53.4 46.9 70.3



#11
Tert butyl alcohol
Concen: 1.139 ug/l
RT: 4.954 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY009008.D
Acq: 23 May 2022 15:54

Tgt Ion: 59 Resp: 48
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

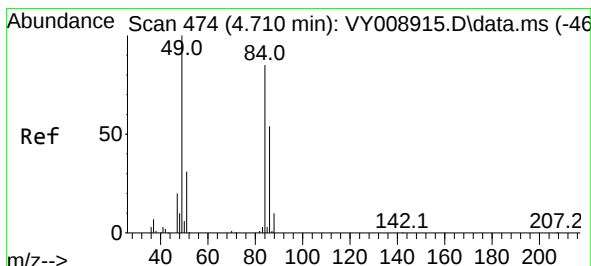
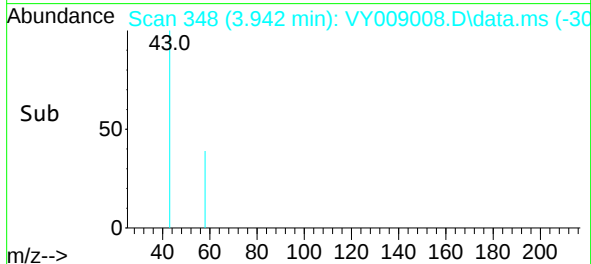
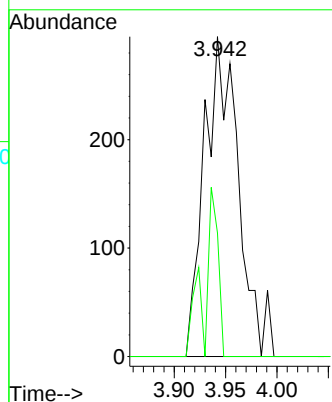
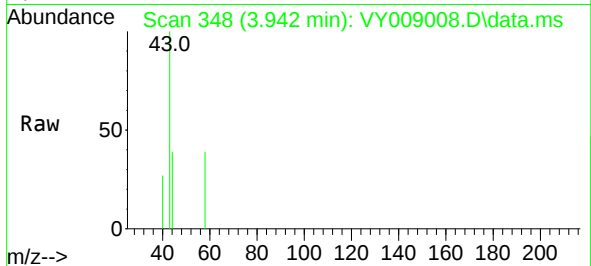




#16
Acetone
Concen: 7.872 ug/l
RT: 3.942 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY009008.D
Acq: 23 May 2022 15:54

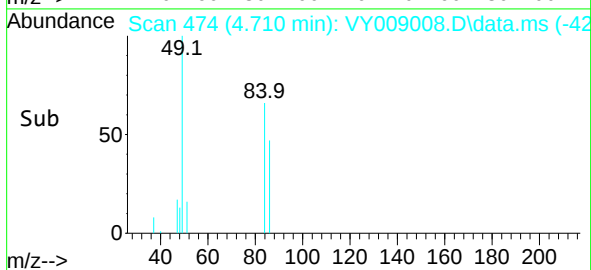
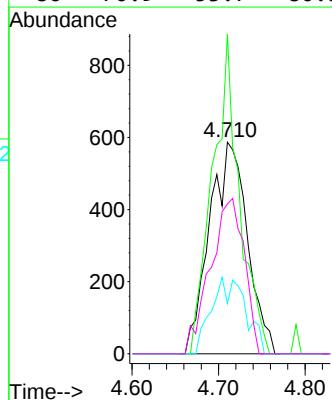
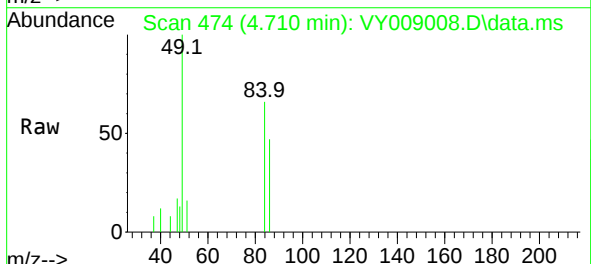
Instrument :
MSVOA_Y
ClientSampleId :
P-2

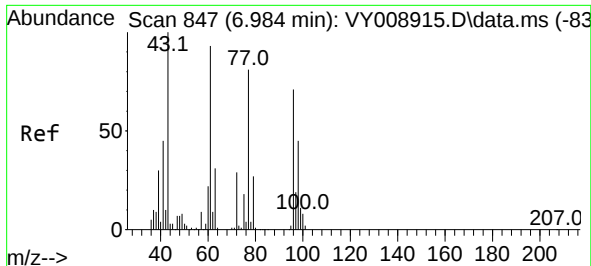
Tgt Ion: 43 Resp: 681
Ion Ratio Lower Upper
43 100
58 38.6 22.0 33.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY009008.D
Acq: 23 May 2022 15:54

Tgt Ion: 84 Resp: 1780
Ion Ratio Lower Upper
84 100
49 151.1 114.4 171.6
51 23.7 35.3 52.9#
86 70.9 53.7 80.5





#25

2-Butanone

Concen: 1.631 ug/l

RT: 6.966 min Scan# 847

Delta R.T. -0.018 min

Lab File: VY009008.D

Acq: 23 May 2022 15:54

Instrument :

MSVOA_Y

ClientSampleId :

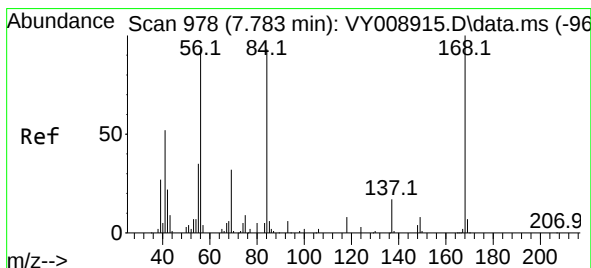
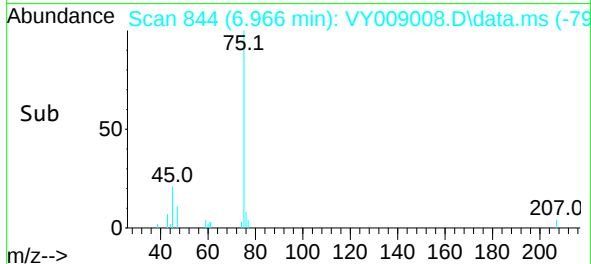
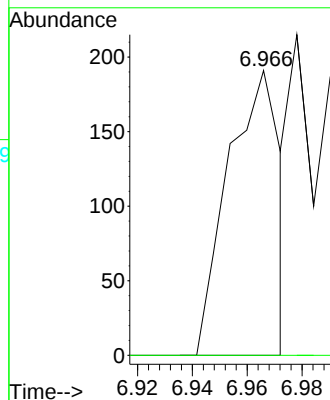
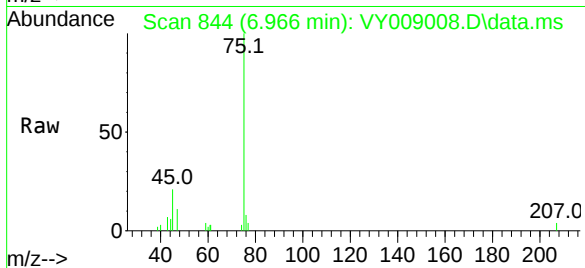
P-2

Tgt Ion: 43 Resp: 252

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#31

Cyclohexane

Concen: 1.326 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.006 min

Lab File: VY009008.D

Acq: 23 May 2022 15:54

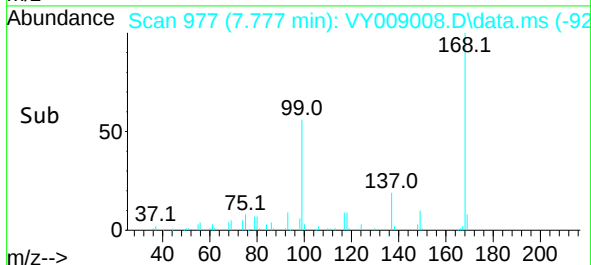
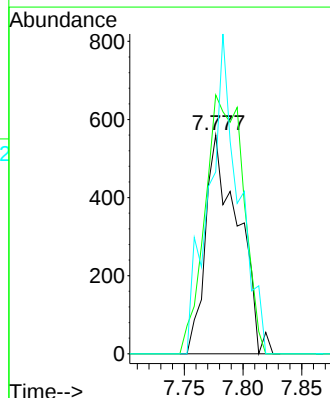
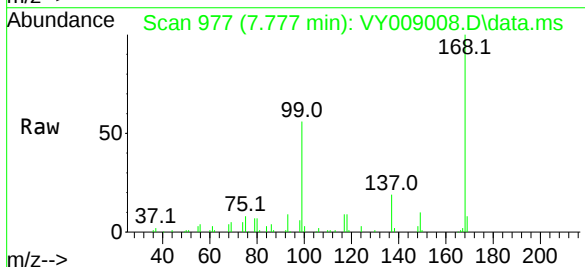
Tgt Ion: 56 Resp: 1078

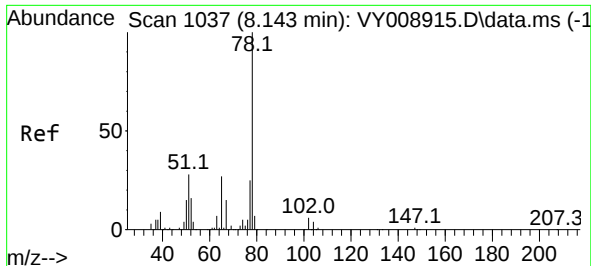
Ion Ratio Lower Upper

56 100

69 118.4 26.7 40.1#

84 83.2 67.2 100.8





#33

1,2-Dichloroethane-d4

Concen: 50.998 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.007 min

Lab File: VY009008.D

Acq: 23 May 2022 15:54

Instrument :

MSVOA_Y

ClientSampleId :

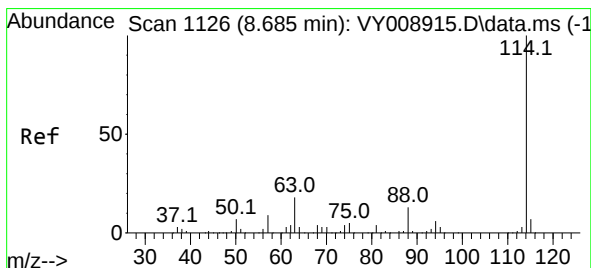
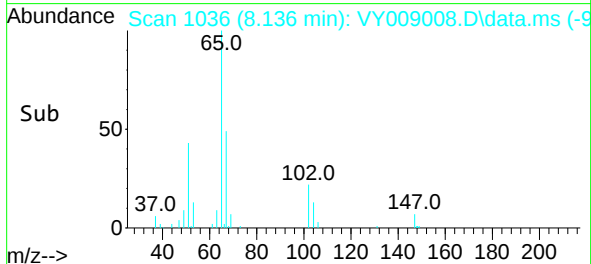
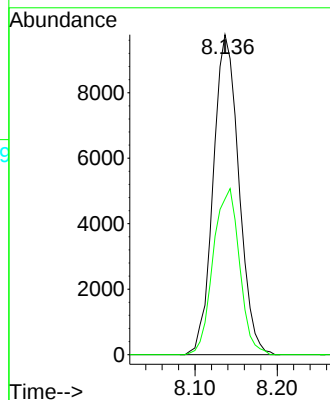
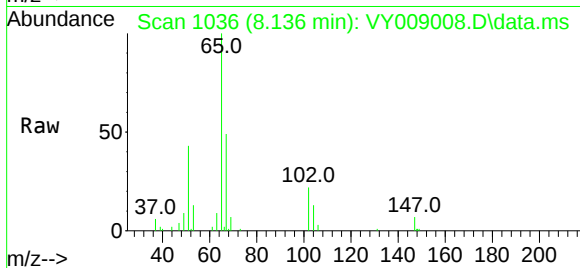
P-2

Tgt Ion: 65 Resp: 21195

Ion Ratio Lower Upper

65 100

67 53.3 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: VY009008.D

Acq: 23 May 2022 15:54

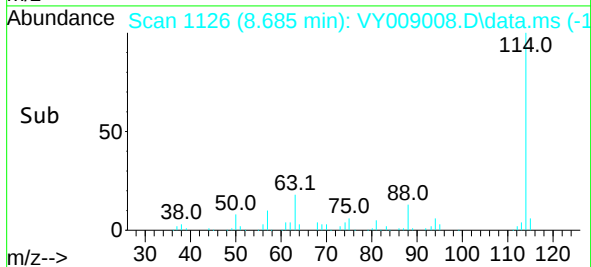
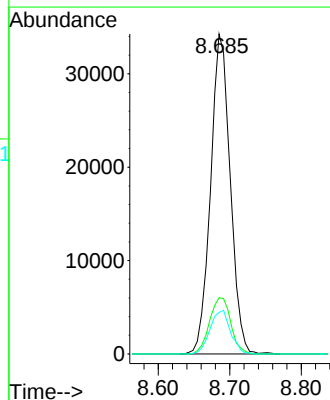
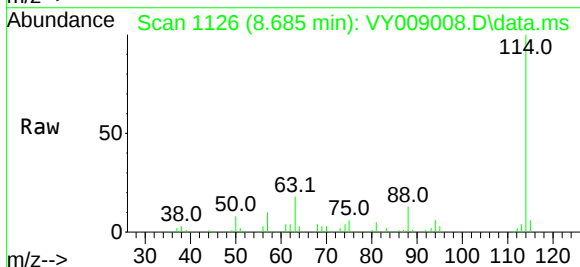
Tgt Ion: 114 Resp: 65368

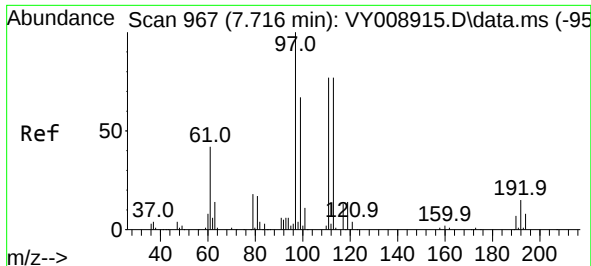
Ion Ratio Lower Upper

114 100

63 17.6 0.0 43.2

88 13.0 0.0 31.8





#35

Dibromofluoromethane

Concen: 51.067 ug/l

RT: 7.716 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY009008.D

Acq: 23 May 2022 15:54

Instrument :

MSVOA_Y

ClientSampleId :

P-2

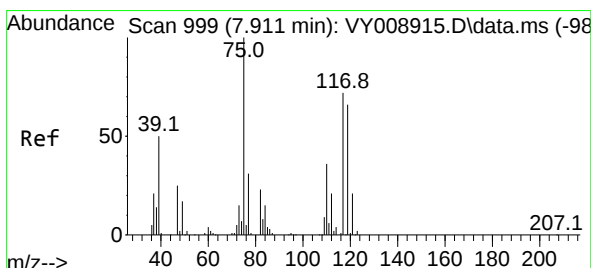
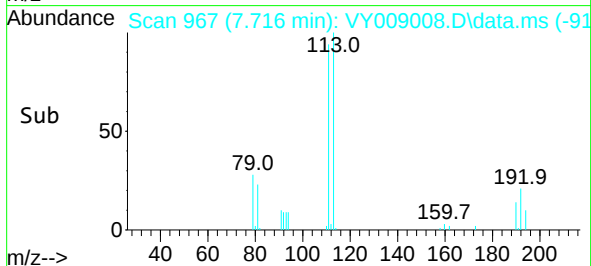
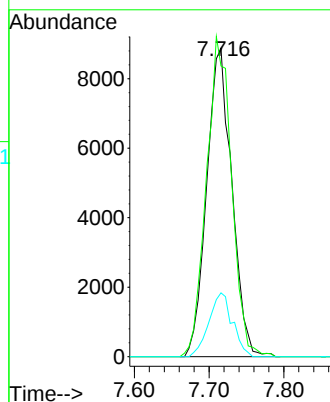
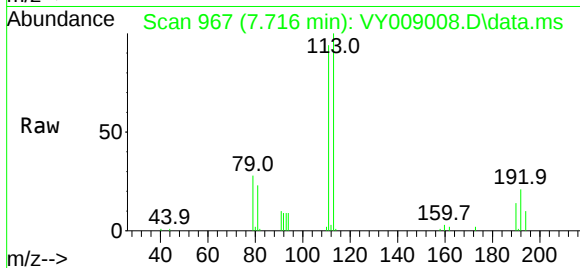
Tgt Ion:113 Resp: 20758

Ion Ratio Lower Upper

113 100

111 103.6 82.6 124.0

192 19.4 17.6 26.4



#36

1,1-Dichloropropene

Concen: 4.815 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.128 min

Lab File: VY009008.D

Acq: 23 May 2022 15:54

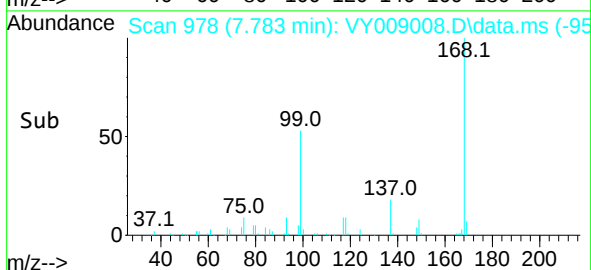
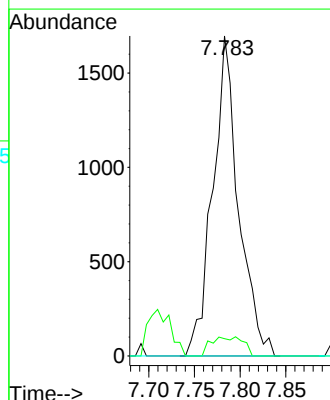
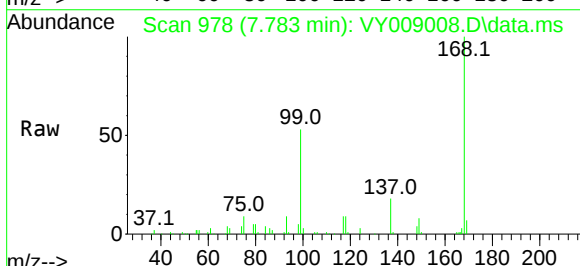
Tgt Ion: 75 Resp: 3331

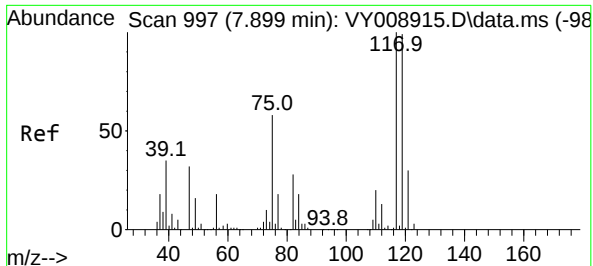
Ion Ratio Lower Upper

75 100

110 7.4 17.1 51.2#

77 0.0 24.4 36.6#

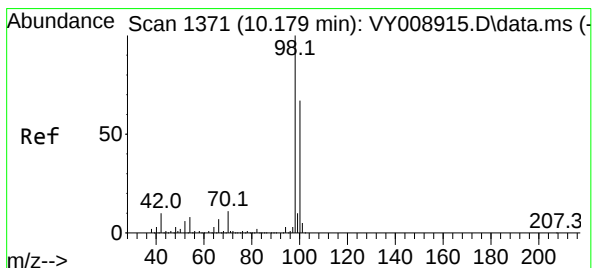
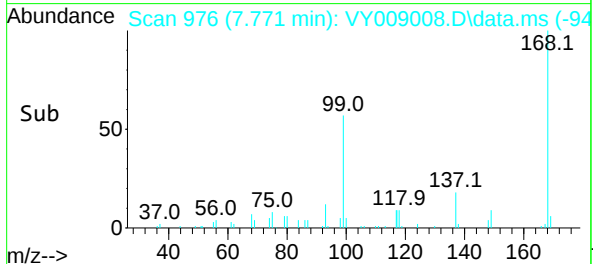
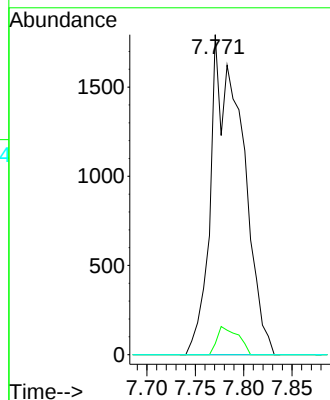
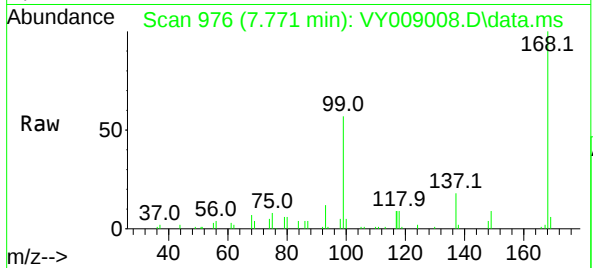




#38
Carbon Tetrachloride
Concen: 5.674 ug/l
RT: 7.771 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY009008.D
Acq: 23 May 2022 15:54

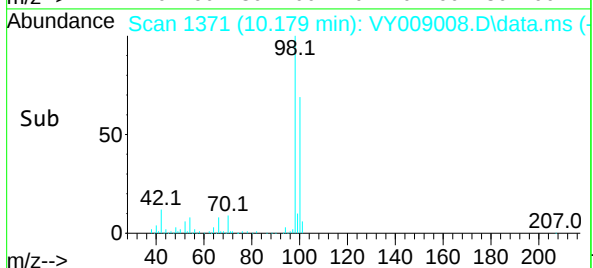
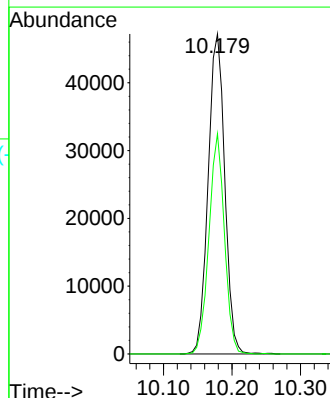
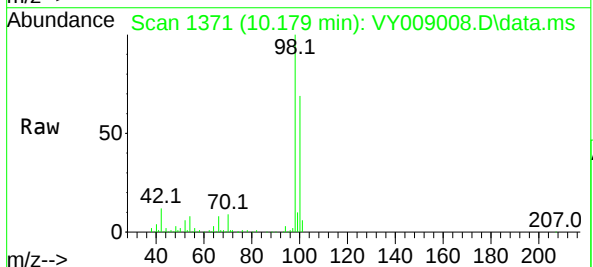
Instrument :
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P-2

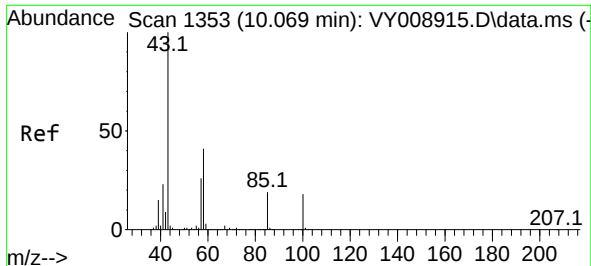
Tgt Ion:117 Resp: 4106
Ion Ratio Lower Upper
117 100
119 3.5 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 53.103 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY009008.D
Acq: 23 May 2022 15:54

Tgt Ion: 98 Resp: 79633
Ion Ratio Lower Upper
98 100
100 64.2 50.2 75.2

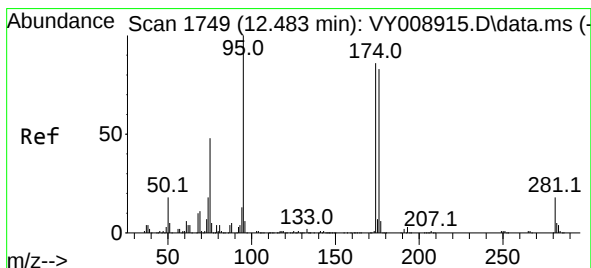
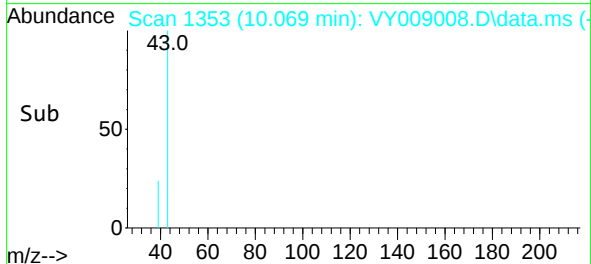
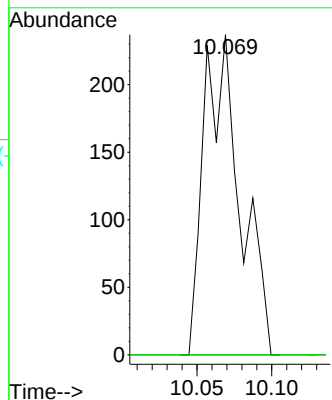
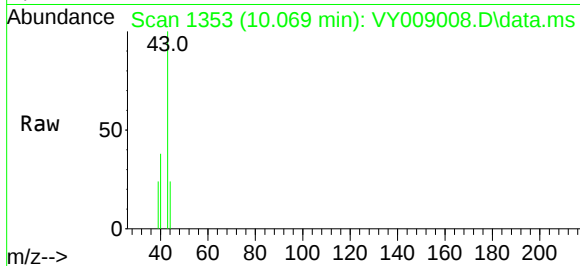




#51
4-Methyl-2-Pentanone
Concen: 1.083 ug/l
RT: 10.069 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY009008.D
Acq: 23 May 2022 15:54

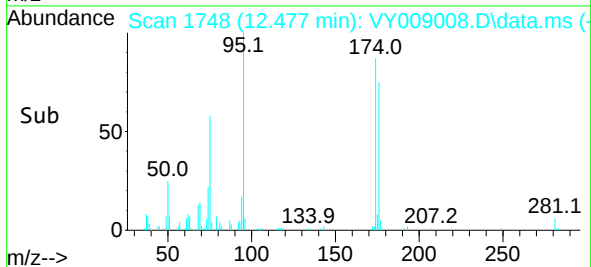
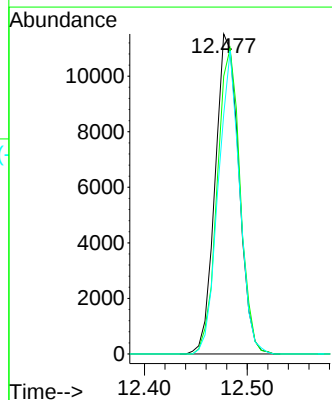
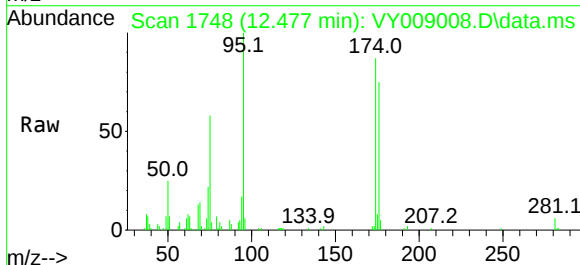
Instrument :
MSVOA_Y
ClientSampleId :
P-2

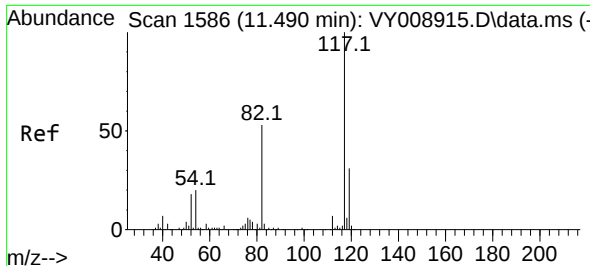
Tgt Ion: 43 Resp: 400
Ion Ratio Lower Upper
43 100
58 0.0 28.1 42.1#



#62
4-Bromofluorobenzene
Concen: 30.394 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY009008.D
Acq: 23 May 2022 15:54

Tgt Ion: 95 Resp: 18386
Ion Ratio Lower Upper
95 100
174 92.4 0.0 177.0
176 85.2 0.0 175.8

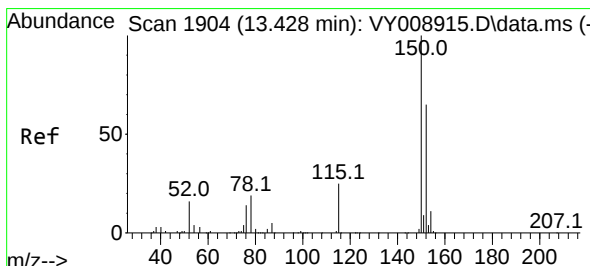
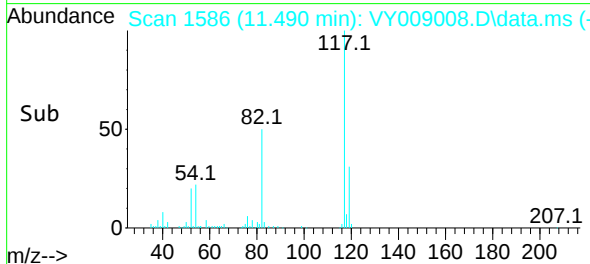
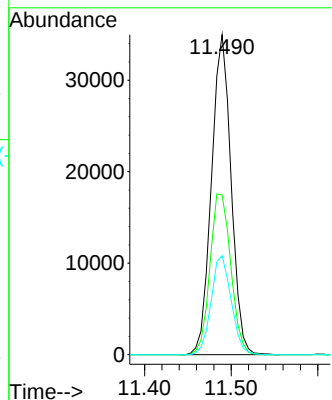
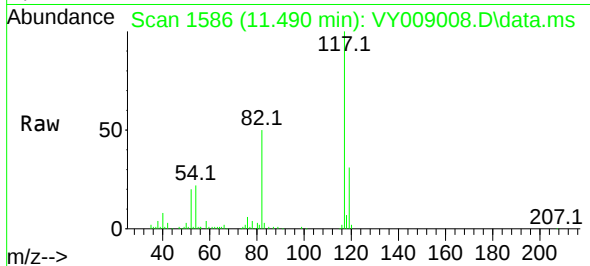




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.001 min
Lab File: VY009008.D
Acq: 23 May 2022 15:54

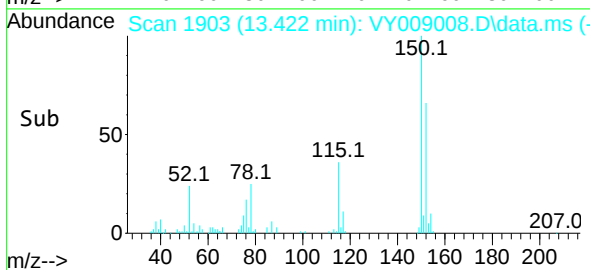
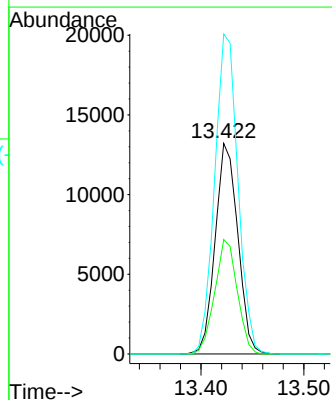
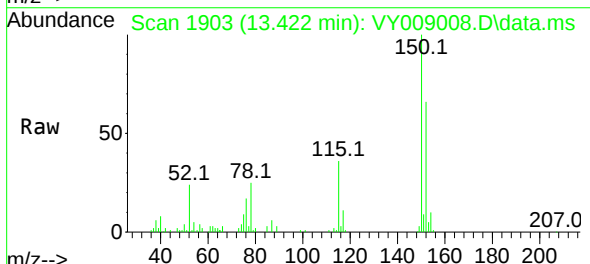
Instrument :
MSVOA_Y
ClientSampleId :
P-2

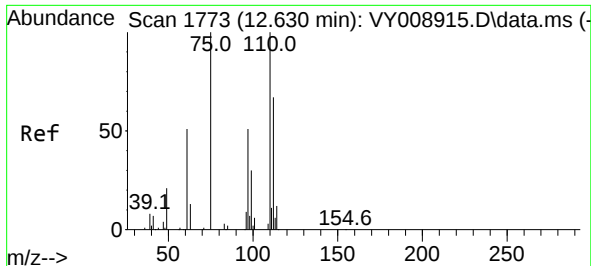
Tgt Ion	Ratio	Lower	Upper
117	100		
82	49.9	43.0	64.4
119	30.9	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY009008.D
Acq: 23 May 2022 15:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.1	28.2	84.7
150	156.4	0.0	347.6

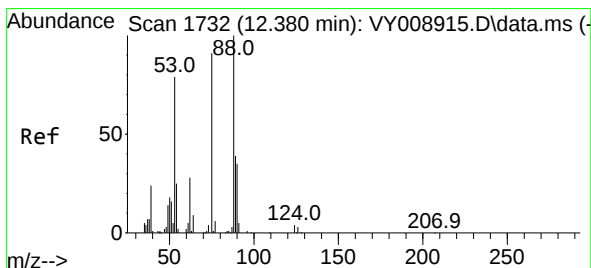
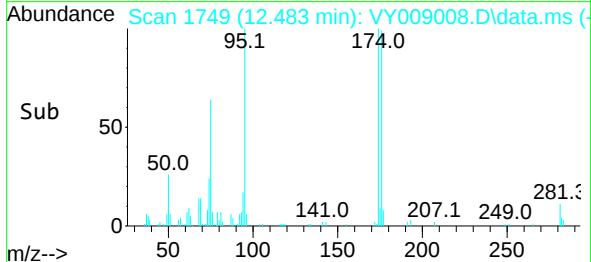
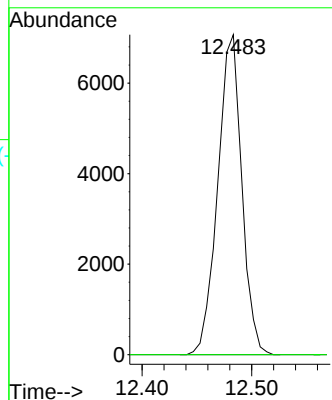
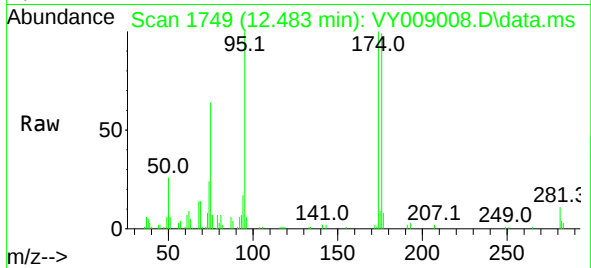




#76
1,2,3-Trichloropropane
Concen: 49.797 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY009008.D
Acq: 23 May 2022 15:54

Instrument :
MSVOA_Y
ClientSampleId :
P-2

Tgt Ion: 75 Resp: 10777
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 102.208 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY009008.D
Acq: 23 May 2022 15:54

Tgt Ion: 75 Resp: 10777
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

