

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062922\
 Data File : VY009380.D
 Acq On : 29 Jun 2022 18:05
 Operator : KP/MD
 Sample : N3531-12
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-3-062722

Quant Time: Jun 30 05:13:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062822S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 17:35:34 2022
 Response via : Initial Calibration

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

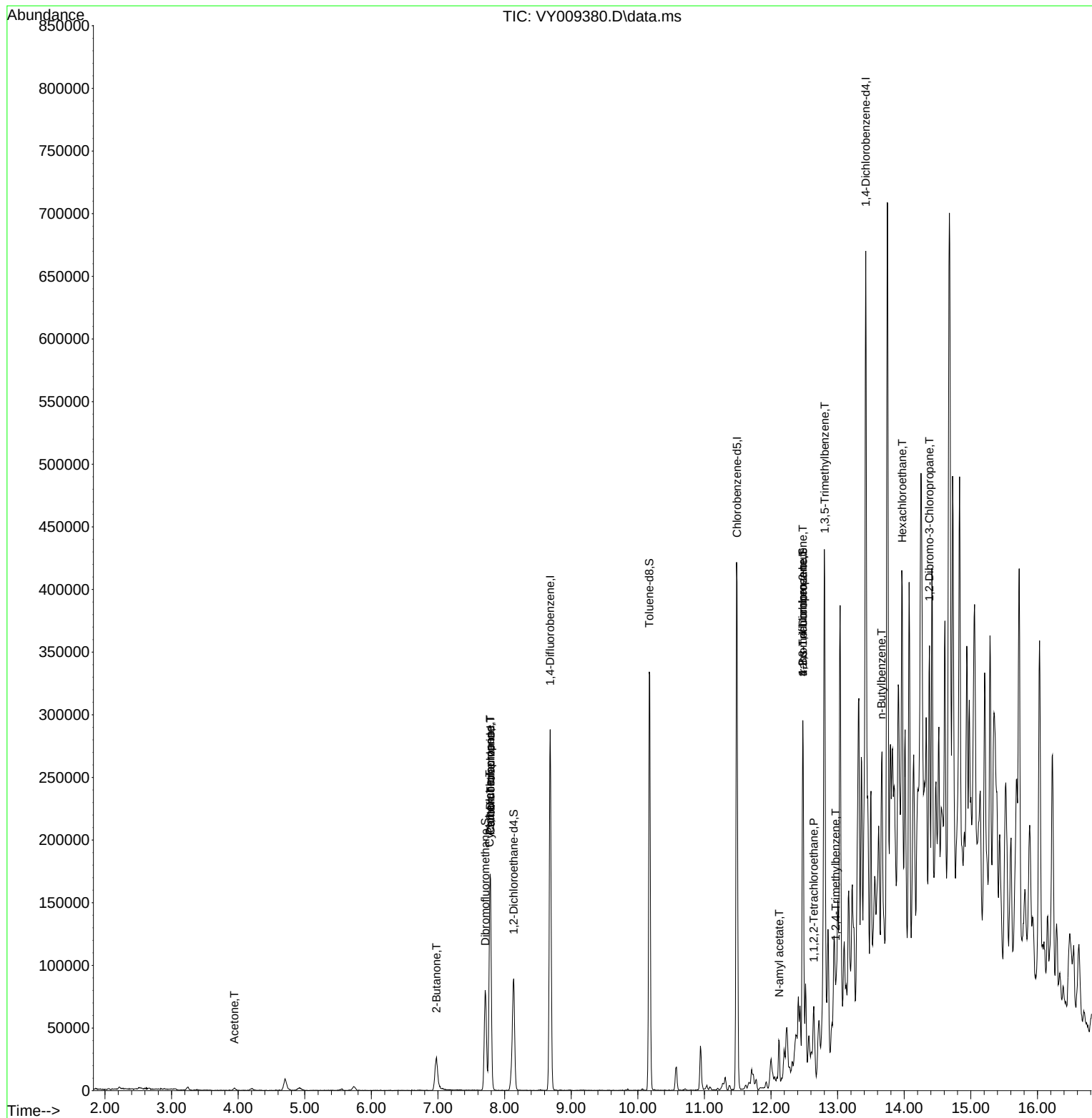
Internal Standards						
1) Pentafluorobenzene	7.789	168	137605	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	238129	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	224150	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	118747	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	61309	55.626	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.260%
35) Dibromofluoromethane	7.710	113	54915	41.901	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	83.800%
50) Toluene-d8	10.173	98	213801	53.207	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.420%
62) 4-Bromofluorobenzene	12.477	95	74871	39.287	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	78.580%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.923	59	1778	Below Cal	#	81
16) Acetone	3.942	43	3156	8.719	ug/l #	88
18) Methyl Acetate	4.674	43	175	Below Cal	#	56
20) Methylene Chloride	4.704	84	5633	Below Cal		97
25) 2-Butanone	6.978	43	1861	3.243	ug/l #	85
31) Cyclohexane	7.777	56	2783	1.123	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	10219	4.459	ug/l #	51
38) Carbon Tetrachloride	7.789	117	13100	5.469	ug/l #	17
74) N-amyl acetate	12.123	43	7285	3.166	ug/l #	74
75) 1,1,2,2-Tetrachloroethane	12.642	83	4608	2.712	ug/l #	26
76) 1,2,3-Trichloropropane	12.477	75	40007	28.769	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.806	105	20911	2.851	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.477	75	40007	64.054	ug/l #	7
84) 1,2,4-Trimethylbenzene	12.971	105	17887	2.566	ug/l	82
89) n-Butylbenzene	13.660	91	22386	3.053	ug/l #	1
90) Hexachloroethane	13.971	117	8804	5.689	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	14.379	75	543	1.907	ug/l #	26

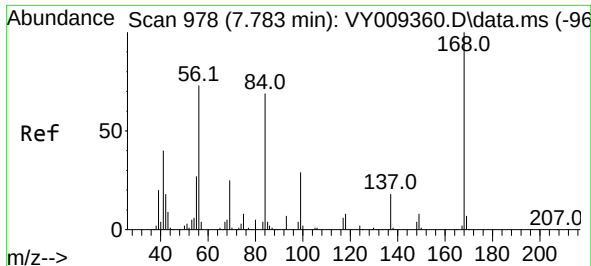
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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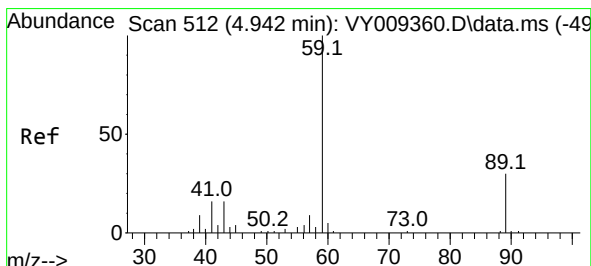
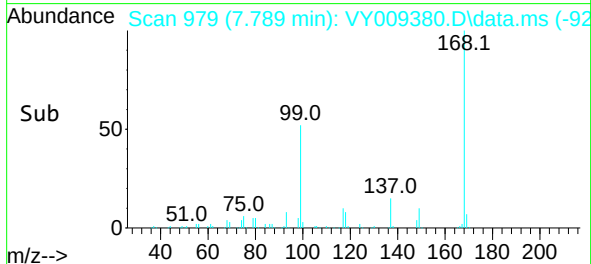
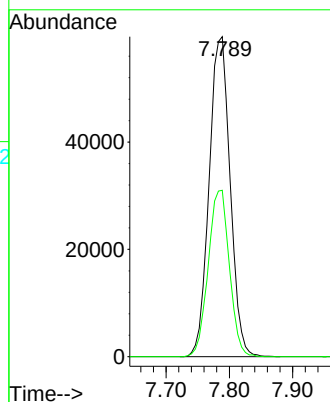
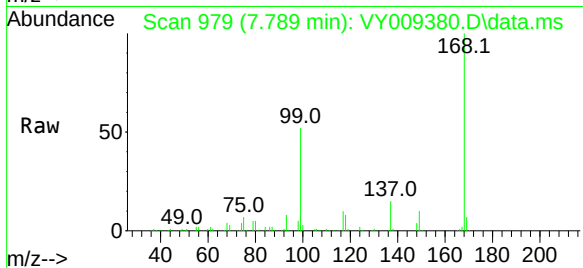




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009380.D
Acq: 29 Jun 2022 18:05

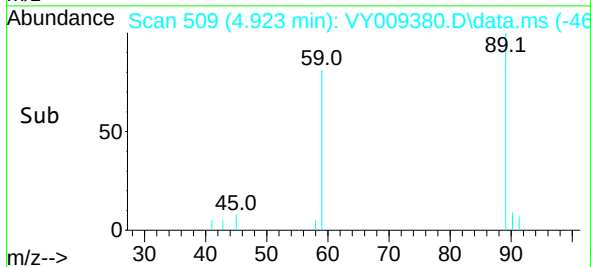
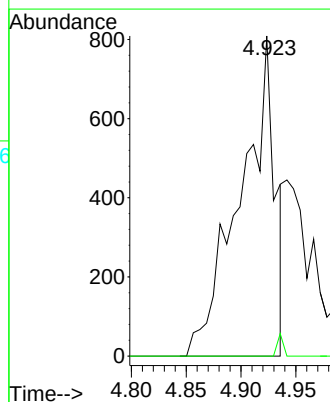
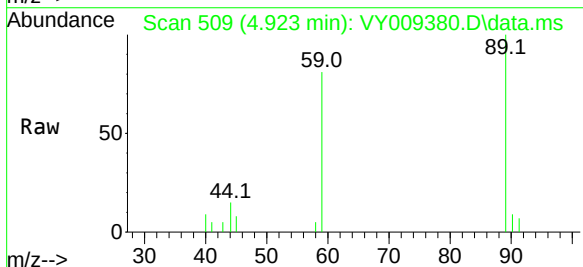
Instrument :
MSVOA_Y
ClientSampleId :
OR-3-062722

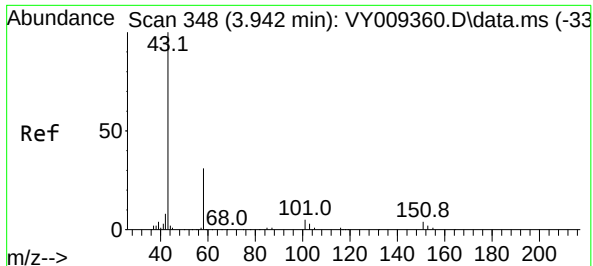
Tgt Ion:168 Resp: 137605
Ion Ratio Lower Upper
168 100
99 52.0 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.923 min Scan# 509
Delta R.T. -0.019 min
Lab File: VY009380.D
Acq: 29 Jun 2022 18:05

Tgt Ion: 59 Resp: 1778
Ion Ratio Lower Upper
59 100
57 1.2 6.4 9.6#





#16

Acetone

Concen: 8.719 ug/l

RT: 3.942 min Scan# 34

Delta R.T. -0.000 min

Lab File: VY009380.D

Acq: 29 Jun 2022 18:05

Instrument :

MSVOA_Y

ClientSampleId :

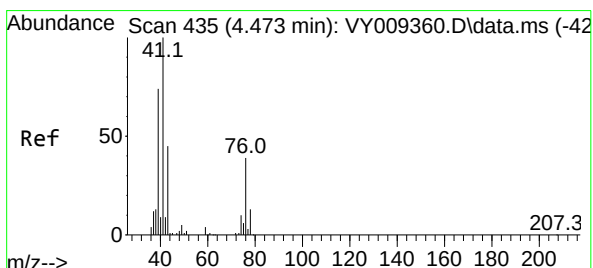
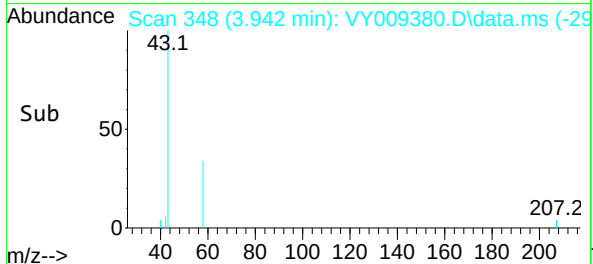
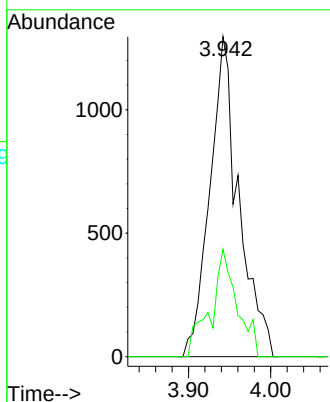
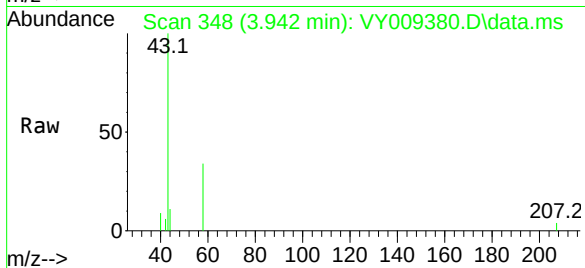
OR-3-062722

Tgt Ion: 43 Resp: 3156

Ion Ratio Lower Upper

43 100

58 33.6 22.0 33.0#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.674 min Scan# 468

Delta R.T. 0.201 min

Lab File: VY009380.D

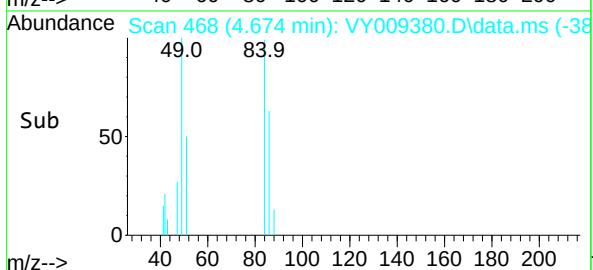
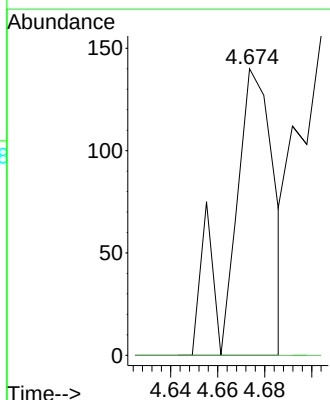
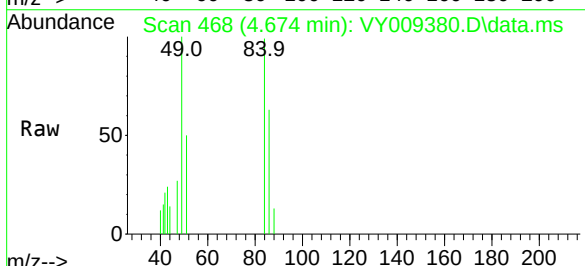
Acq: 29 Jun 2022 18:05

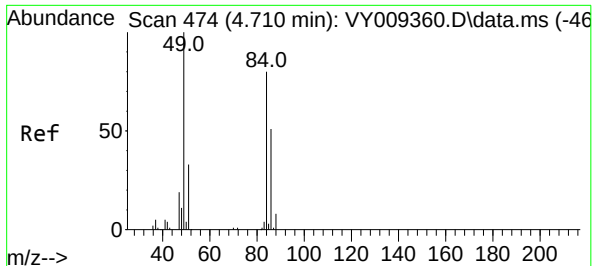
Tgt Ion: 43 Resp: 175

Ion Ratio Lower Upper

43 100

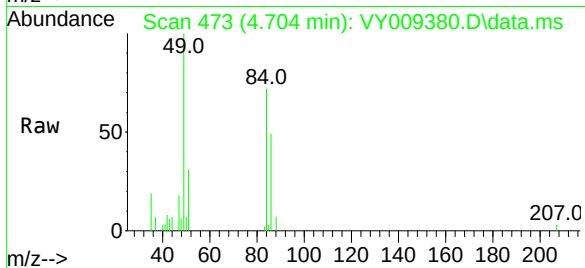
74 0.0 16.6 24.8#





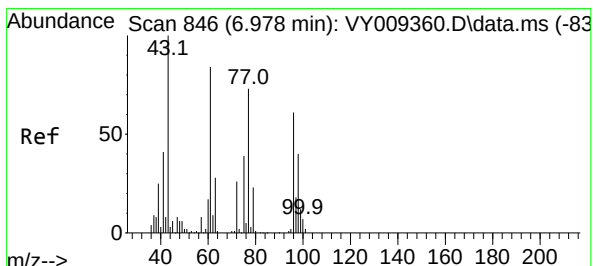
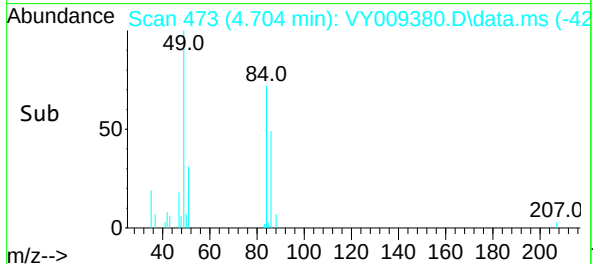
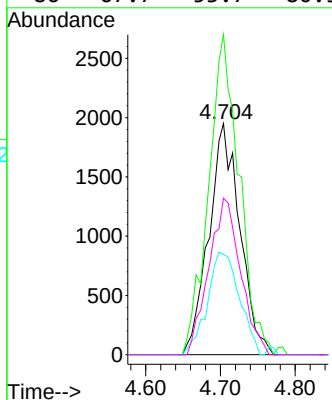
#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY009380.D
Acq: 29 Jun 2022 18:05

Instrument :
MSVOA_Y
ClientSampleId :
OR-3-062722



Tgt Ion: 84 Resp: 5633

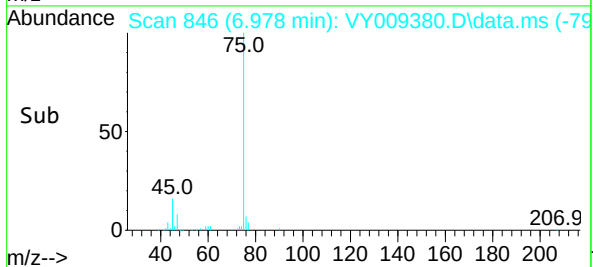
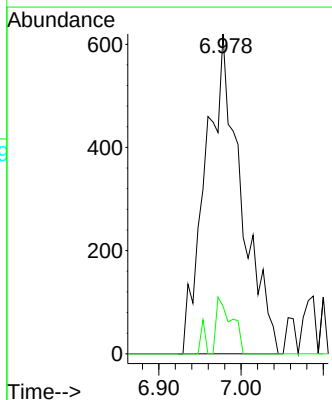
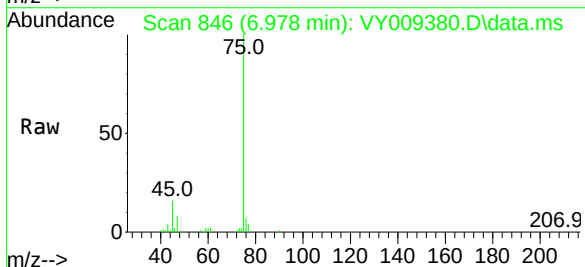
Ion	Ratio	Lower	Upper
84	100		
49	138.4	114.4	171.6
51	43.3	35.3	52.9
86	67.7	53.7	80.5

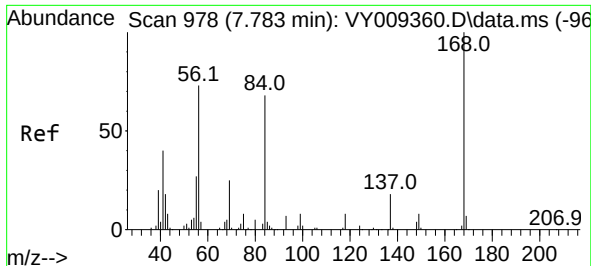


#25
2-Butanone
Concen: 3.243 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY009380.D
Acq: 29 Jun 2022 18:05

Tgt Ion: 43 Resp: 1861

Ion	Ratio	Lower	Upper
43	100		
72	14.8	17.7	26.5

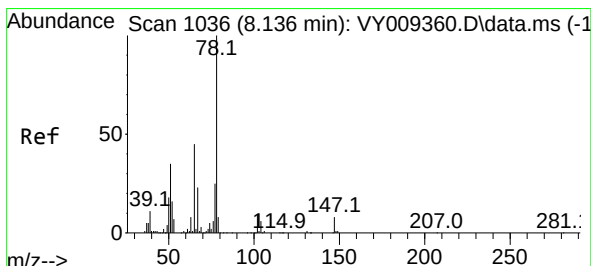
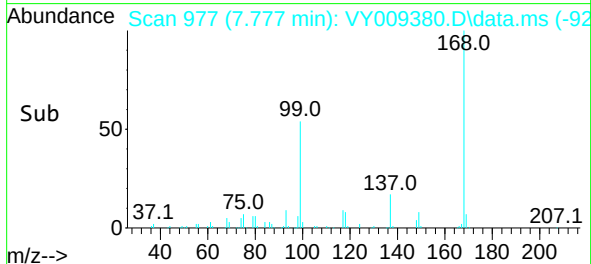
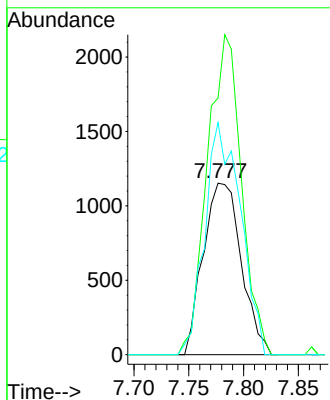
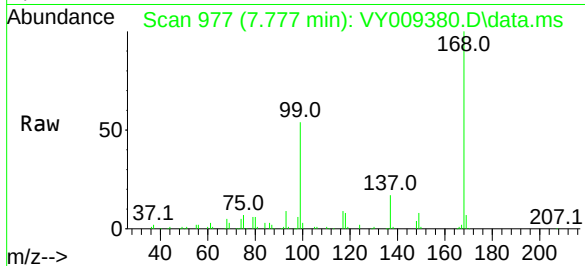




#31
Cyclohexane
Concen: 1.123 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY009380.D
Acq: 29 Jun 2022 18:05

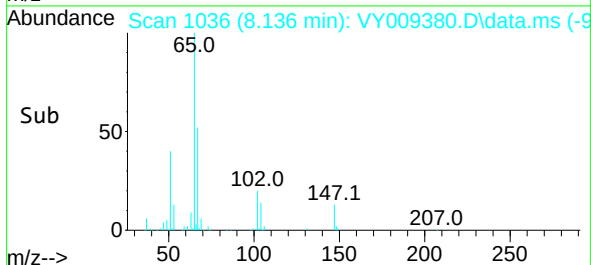
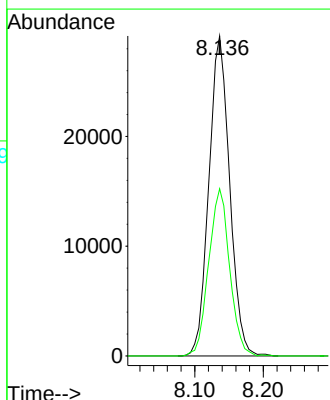
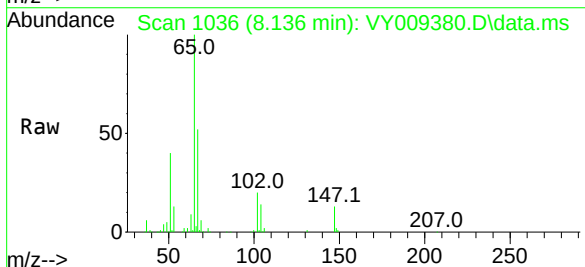
Instrument :
MSVOA_Y
ClientSampleId :
OR-3-062722

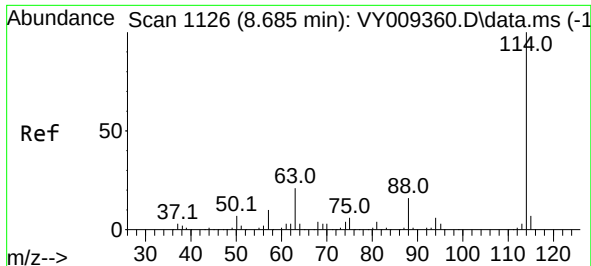
Tgt Ion: 56 Resp: 2783
Ion Ratio Lower Upper
56 100
69 149.7 26.7 40.1#
84 135.3 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 55.626 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY009380.D
Acq: 29 Jun 2022 18:05

Tgt Ion: 65 Resp: 61309
Ion Ratio Lower Upper
65 100
67 52.8 0.0 99.4

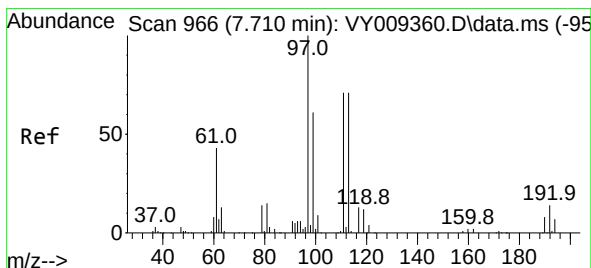
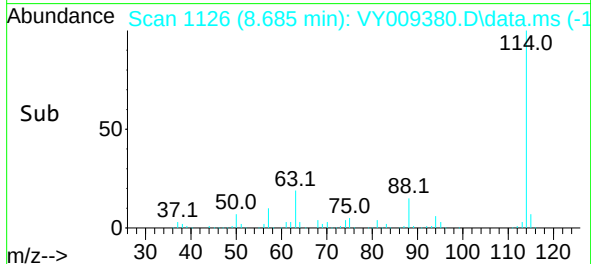
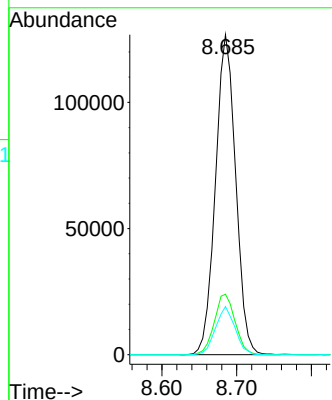
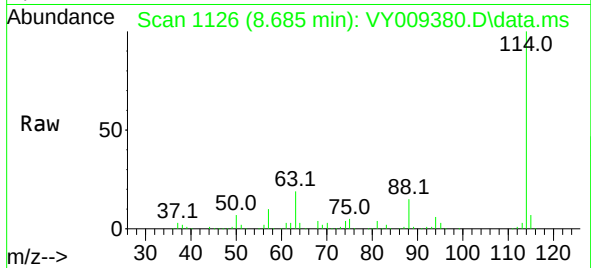




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY009380.D
Acq: 29 Jun 2022 18:05

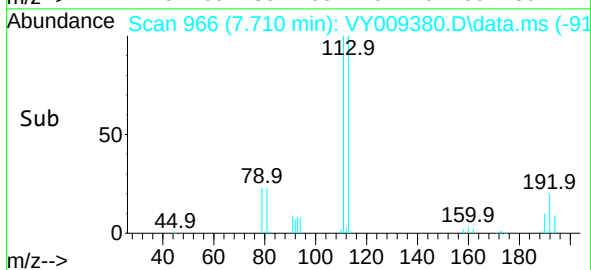
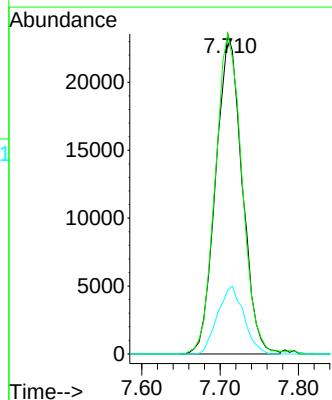
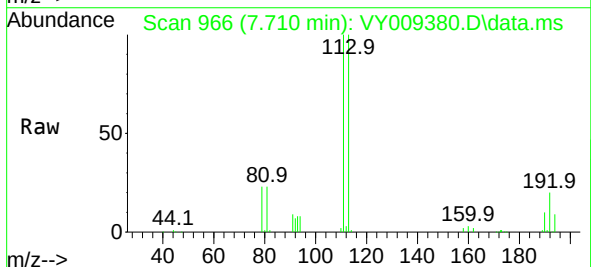
Instrument :
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ClientSampleId :
OR-3-062722

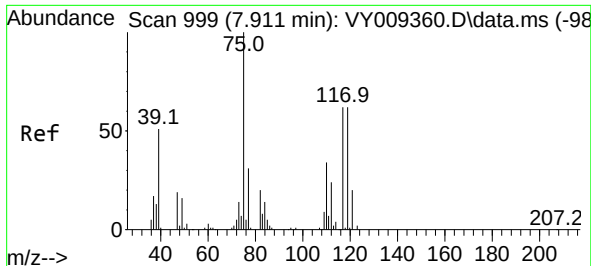
Tgt Ion:114 Resp: 238129
Ion Ratio Lower Upper
114 100
63 18.9 0.0 43.2
88 15.0 0.0 31.8



#35
Dibromofluoromethane
Concen: 41.901 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.000 min
Lab File: VY009380.D
Acq: 29 Jun 2022 18:05

Tgt Ion:113 Resp: 54915
Ion Ratio Lower Upper
113 100
111 101.8 82.6 124.0
192 21.1 17.6 26.4

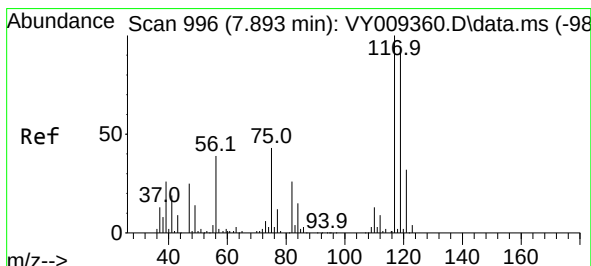
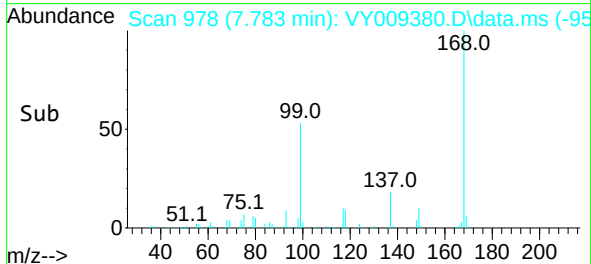
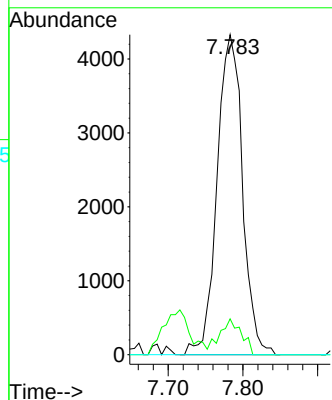
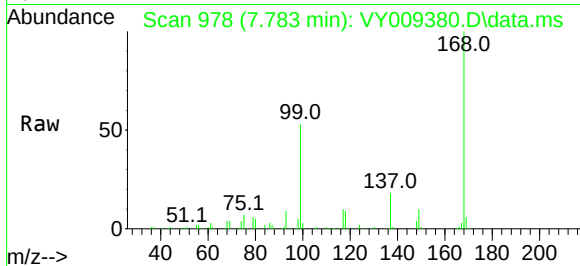




#36
1,1-Dichloropropene
Concen: 4.459 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY009380.D
Acq: 29 Jun 2022 18:05

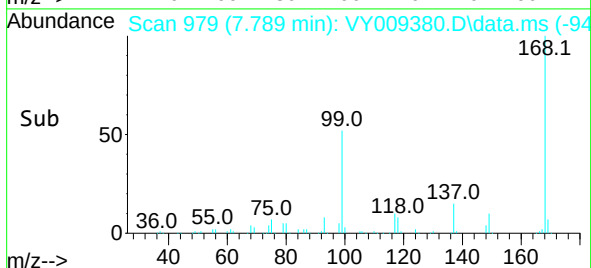
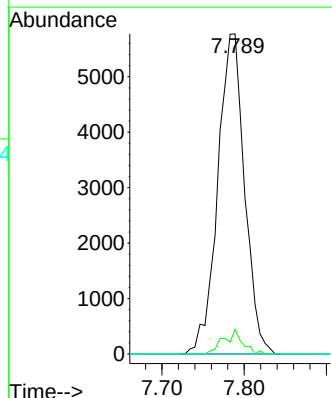
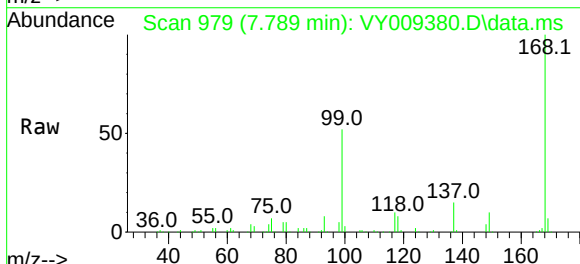
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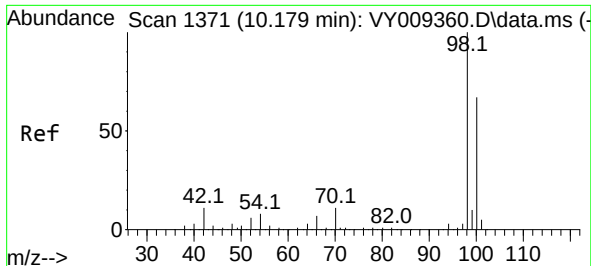
Tgt Ion: 75 Resp: 10219
Ion Ratio Lower Upper
75 100
110 9.6 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.469 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.104 min
Lab File: VY009380.D
Acq: 29 Jun 2022 18:05

Tgt Ion: 117 Resp: 13100
Ion Ratio Lower Upper
117 100
119 7.7 77.9 116.9#
121 0.0 24.8 37.2#

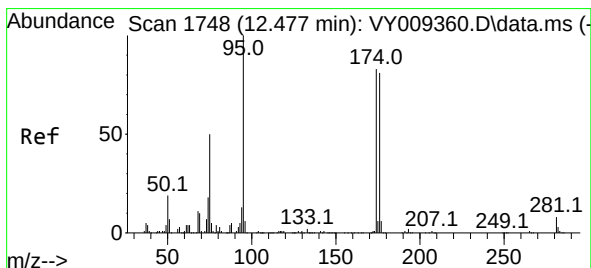
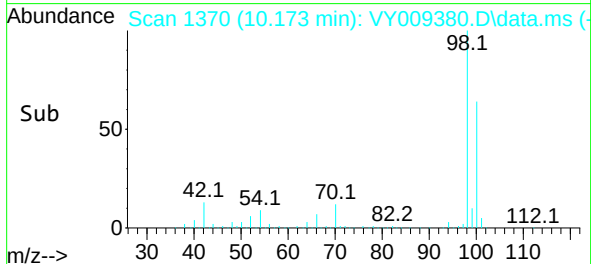
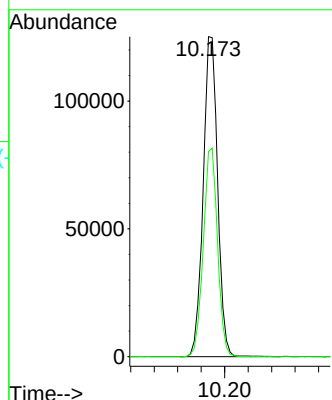
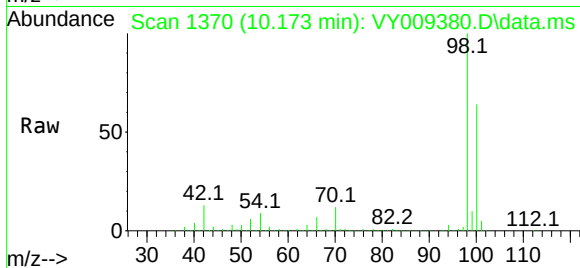




#50
Toluene-d8
Concen: 53.207 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY009380.D
Acq: 29 Jun 2022 18:05

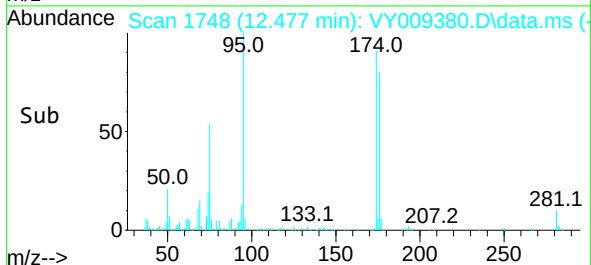
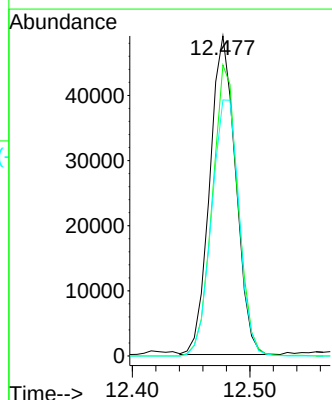
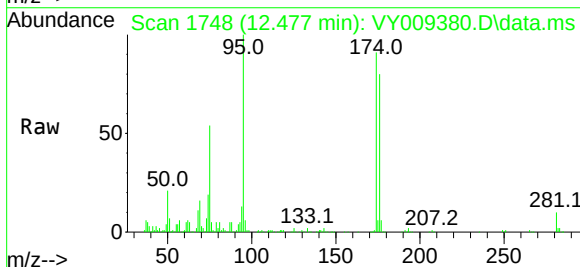
Instrument :
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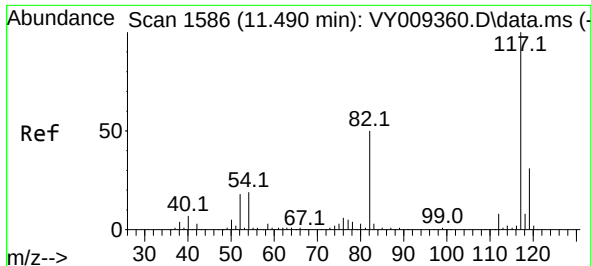
Tgt Ion: 98 Resp: 213801
Ion Ratio Lower Upper
98 100
100 64.2 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 39.287 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009380.D
Acq: 29 Jun 2022 18:05

Tgt Ion: 95 Resp: 74871
Ion Ratio Lower Upper
95 100
174 90.3 0.0 177.0
176 85.2 0.0 175.8

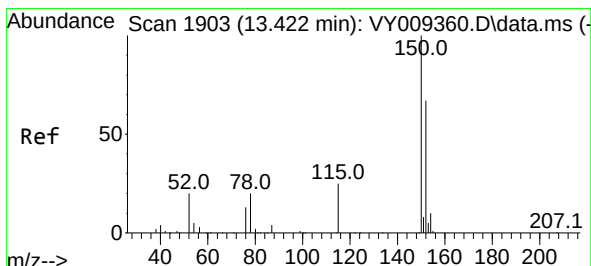
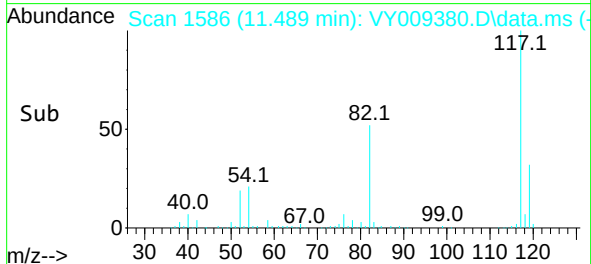
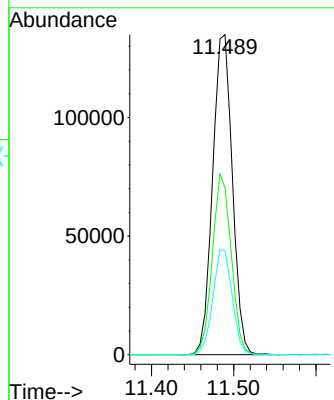
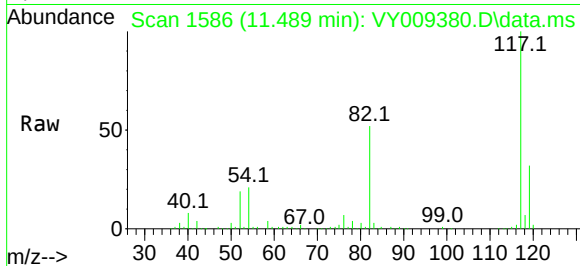




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY009380.D
Acq: 29 Jun 2022 18:05

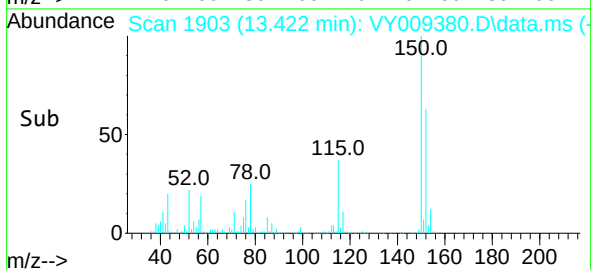
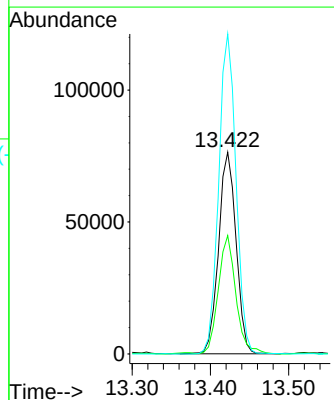
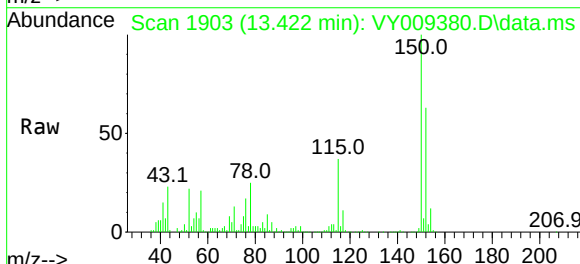
Instrument :
MSVOA_Y
ClientSampleId :
OR-3-062722

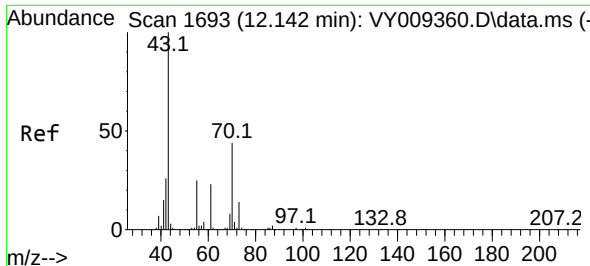
Tgt Ion:117 Resp: 224150
Ion Ratio Lower Upper
117 100
82 52.2 43.0 64.4
119 32.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY009380.D
Acq: 29 Jun 2022 18:05

Tgt Ion:152 Resp: 118747
Ion Ratio Lower Upper
152 100
115 59.1 28.2 84.7
150 156.9 0.0 347.6

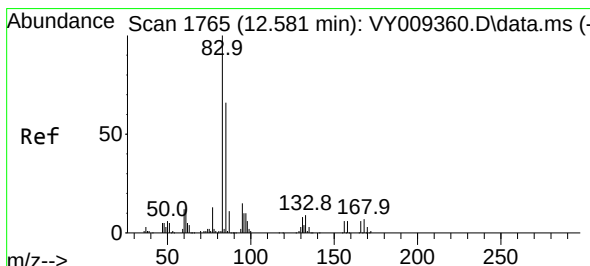
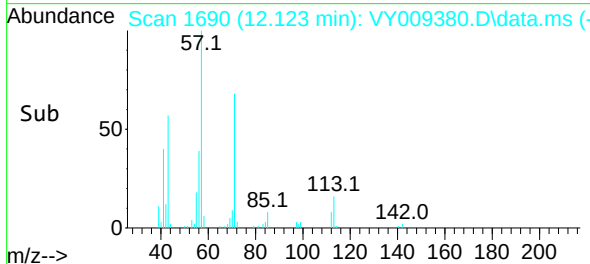
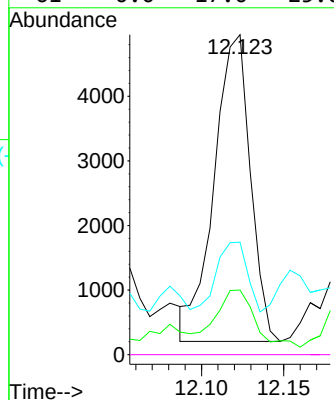
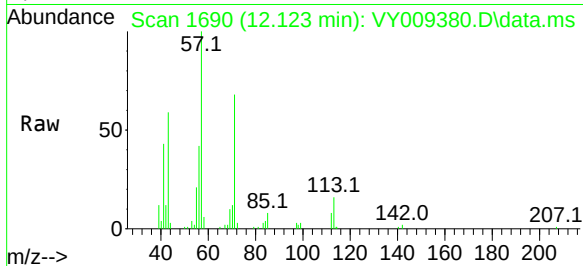




#74
N-amy1 acetate
Concen: 3.166 ug/l
RT: 12.123 min Scan# 1
Delta R.T. -0.019 min
Lab File: VY009380.D
Acq: 29 Jun 2022 18:05

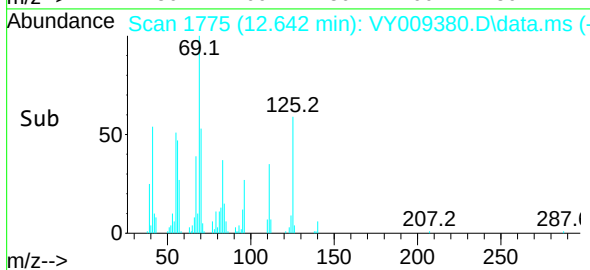
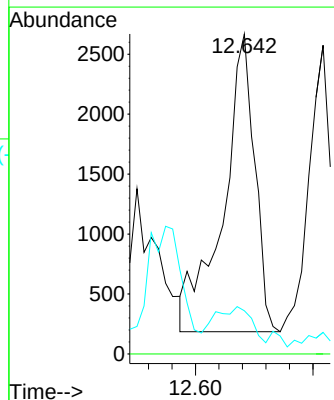
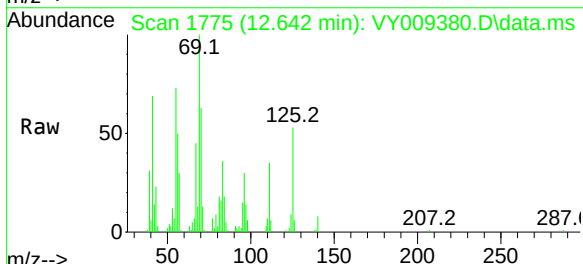
Instrument :
MSVOA_Y
ClientSampleId :
OR-3-062722

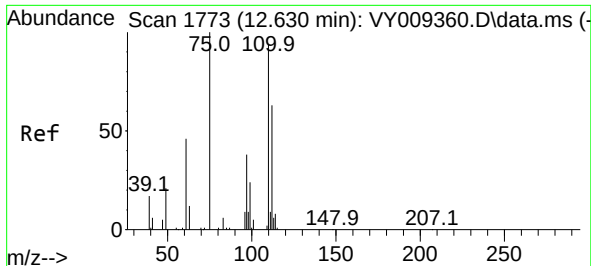
Tgt Ion: 43	Resp: 7285
Ion Ratio	Lower Upper
43 100	
70 20.3	28.7 43.1#
55 19.1	17.3 25.9
61 0.0	17.0 25.6#



#75
1,1,2,2-Tetrachloroethane
Concen: 2.712 ug/l
RT: 12.642 min Scan# 1775
Delta R.T. 0.061 min
Lab File: VY009380.D
Acq: 29 Jun 2022 18:05

Tgt Ion: 83	Resp: 4608
Ion Ratio	Lower Upper
83 100	
131 0.0	5.6 16.8#
85 0.0	32.3 96.8#

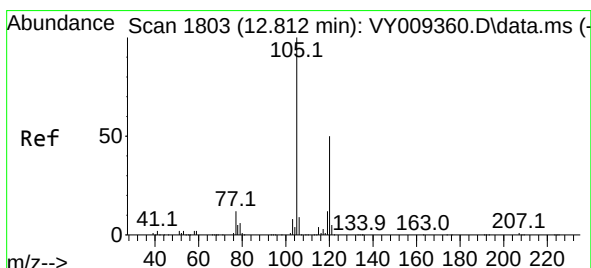
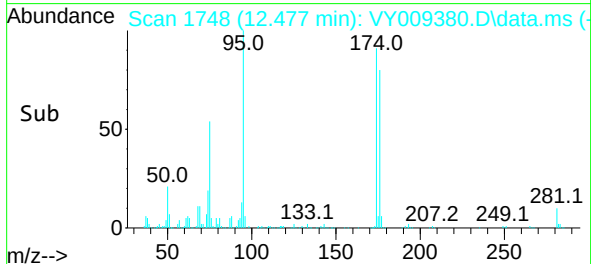
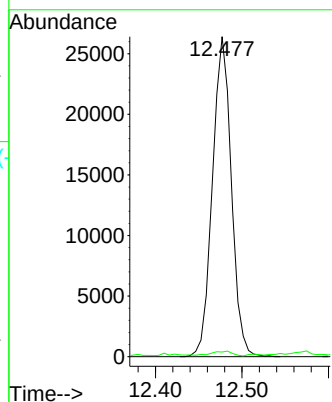
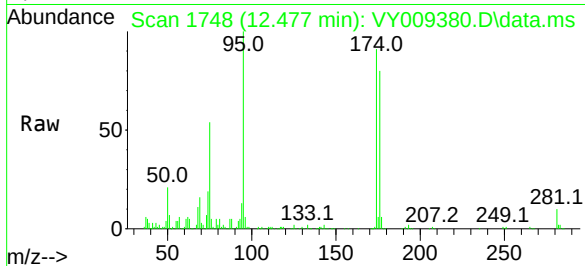




#76
1,2,3-Trichloropropane
Concen: 28.769 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.153 min
Lab File: VY009380.D
Acq: 29 Jun 2022 18:05

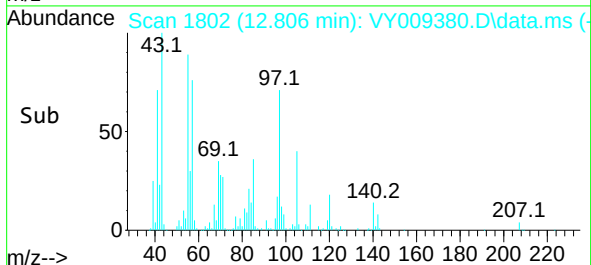
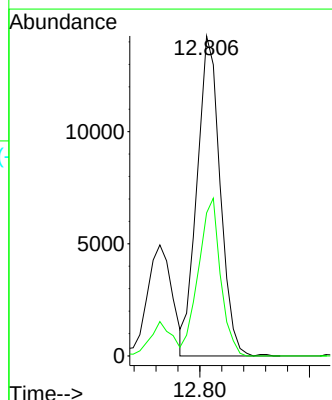
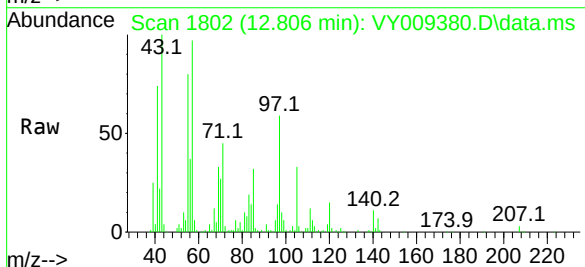
Instrument :
MSVOA_Y
ClientSampleId :
OR-3-062722

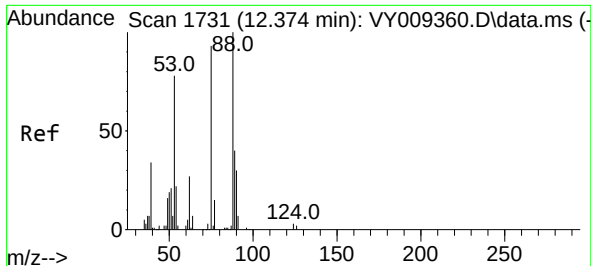
Tgt Ion: 75 Resp: 40007
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 2.851 ug/l
RT: 12.806 min Scan# 1802
Delta R.T. -0.006 min
Lab File: VY009380.D
Acq: 29 Jun 2022 18:05

Tgt Ion:105 Resp: 20911
Ion Ratio Lower Upper
105 100
120 47.2 24.4 73.4

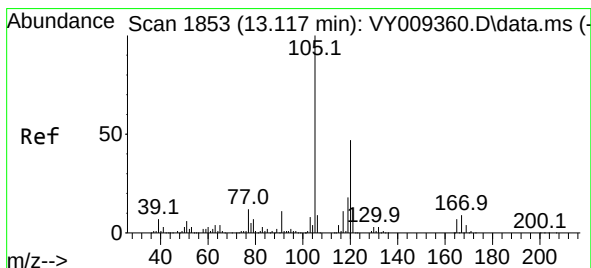
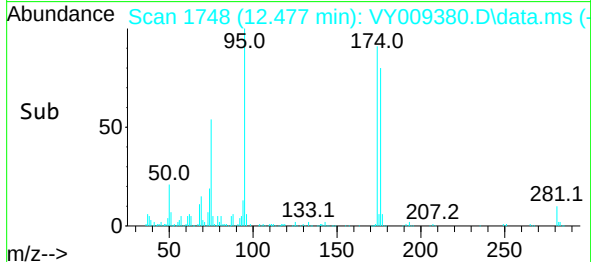
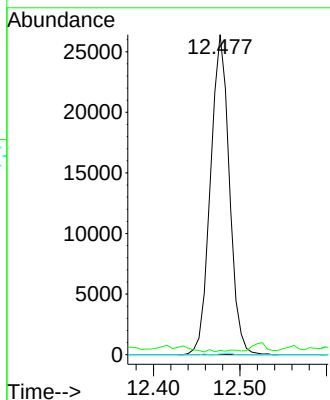
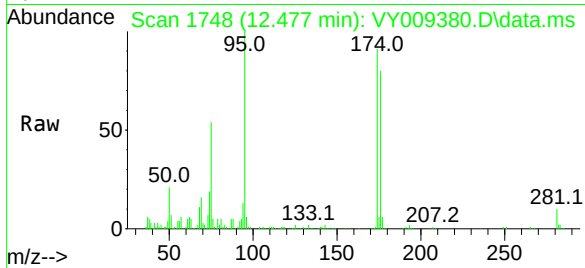




#81
trans-1,4-Dichloro-2-butene
Concen: 64.054 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY009380.D
Acq: 29 Jun 2022 18:05

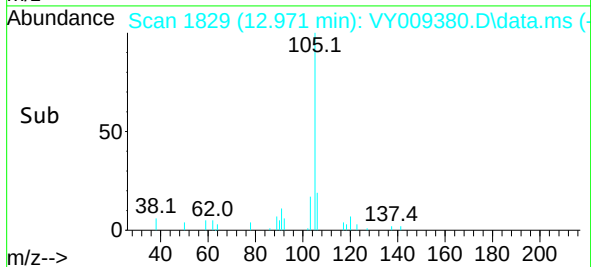
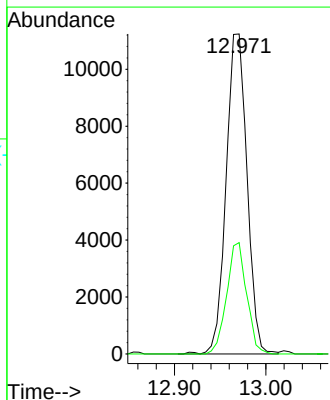
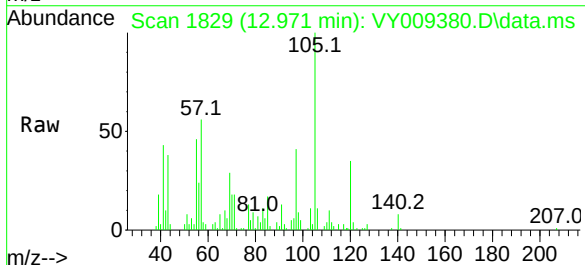
Instrument :
MSVOA_Y
ClientSampleId :
OR-3-062722

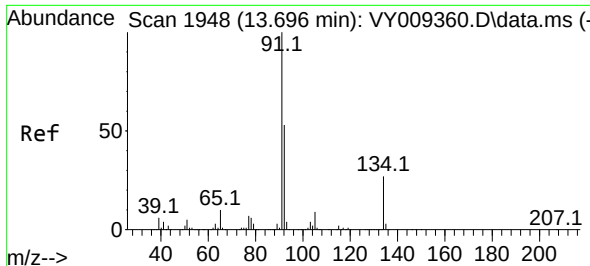
Tgt Ion: 75 Resp: 40007
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.3 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 2.566 ug/l
RT: 12.971 min Scan# 1829
Delta R.T. -0.146 min
Lab File: VY009380.D
Acq: 29 Jun 2022 18:05

Tgt Ion: 105 Resp: 17887
Ion Ratio Lower Upper
105 100
120 33.1 22.3 66.9

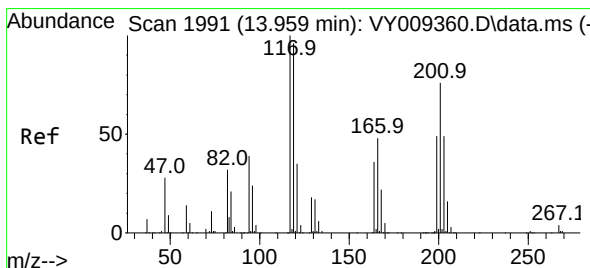
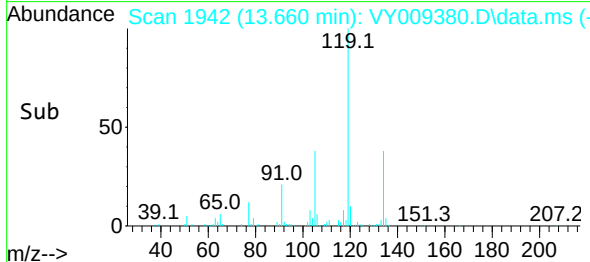
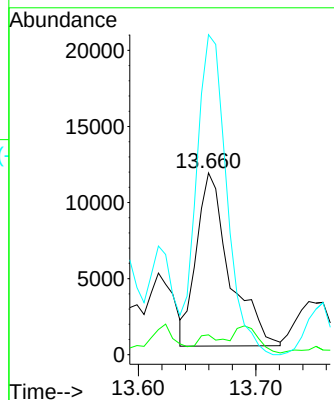
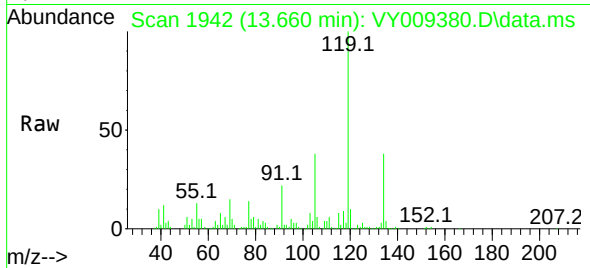




#89
n-Butylbenzene
Concen: 3.053 ug/l
RT: 13.660 min Scan# 1942
Delta R.T. -0.036 min
Lab File: VY009380.D
Acq: 29 Jun 2022 18:05

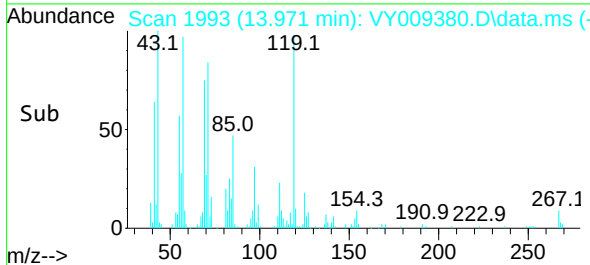
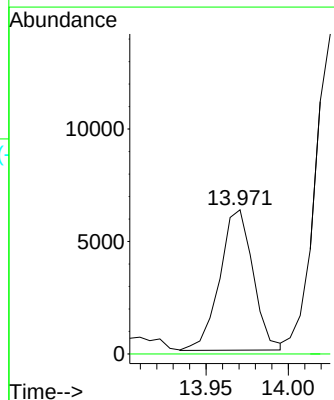
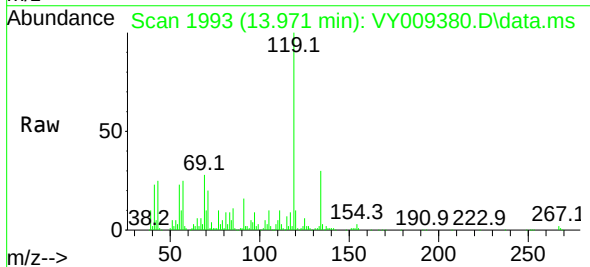
Instrument :
MSVOA_Y
ClientSampleId :
OR-3-062722

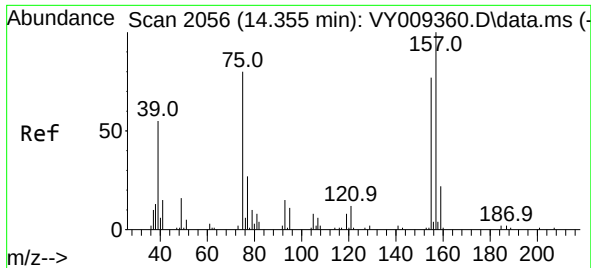
Tgt Ion: 91 Resp: 22386
Ion Ratio Lower Upper
91 100
92 3.8 26.3 78.9#
134 167.6 13.0 38.9#



#90
Hexachloroethane
Concen: 5.689 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.012 min
Lab File: VY009380.D
Acq: 29 Jun 2022 18:05

Tgt Ion: 117 Resp: 8804
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.907 ug/l

RT: 14.379 min Scan# 2056

Delta R.T. 0.024 min

Lab File: VY009380.D

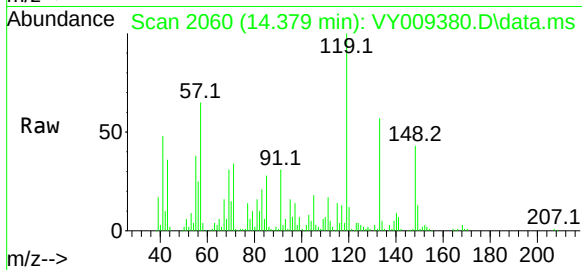
Acq: 29 Jun 2022 18:05

Instrument :

MSVOA_Y

ClientSampleId :

OR-3-062722



Tgt Ion: 75 Resp: 543

Ion Ratio Lower Upper

75 100

155 38.1 38.0 113.9

157 0.0 47.8 143.3#

