

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080122\
 Data File : VY009809.D
 Acq On : 01 Aug 2022 20:09
 Operator : KP/MD
 Sample : N3960-17
 Misc : 3.22g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RVE-164

Quant Time: Aug 02 01:43:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y072622S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 27 04:24:58 2022
 Response via : Initial Calibration

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

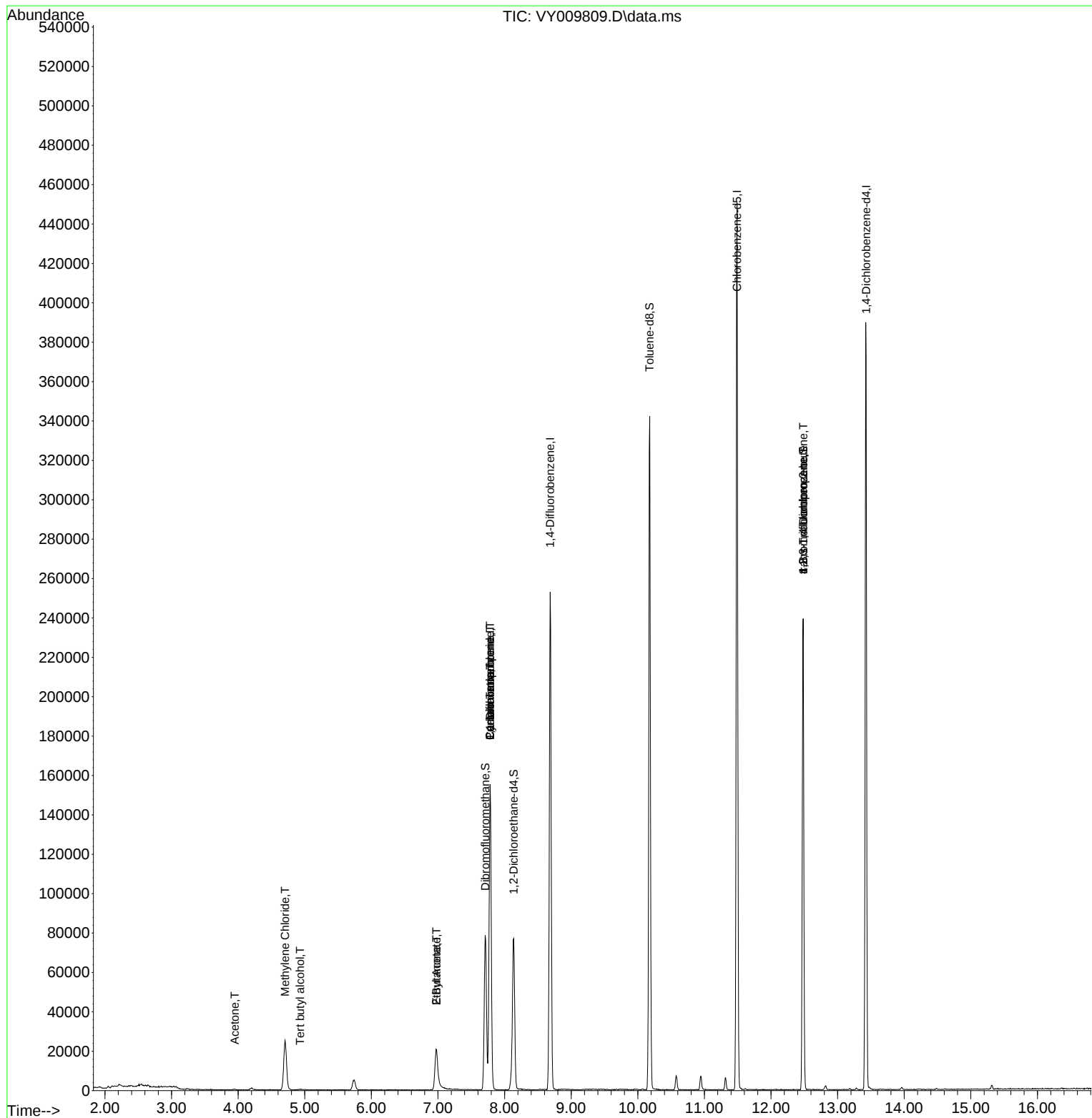
Internal Standards						
1) Pentafluorobenzene	7.783	168	128071	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	222201	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	251266	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	104861	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	56312	67.908	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	135.820%
35) Dibromofluoromethane	7.710	113	55945	46.293	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.580%
50) Toluene-d8	10.179	98	224169	64.962	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	129.920%#
62) 4-Bromofluorobenzene	12.483	95	68030	42.454	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	84.900%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.930	59	261	1.261	ug/l #	77
16) Acetone	3.948	43	526	1.718	ug/l #	70
18) Methyl Acetate	4.460	43	196	Below Cal	#	56
20) Methylene Chloride	4.704	84	19304	4.277	ug/l #	83
25) 2-Butanone	6.978	43	1309	2.898	ug/l #	54
31) Cyclohexane	7.783	56	2415	1.185	ug/l #	6
36) 1,1-Dichloropropene	7.783	75	8906	4.529	ug/l #	50
37) Ethyl Acetate	6.978	43	1309	1.123	ug/l #	1
38) Carbon Tetrachloride	7.783	117	11698	5.552	ug/l #	14
76) 1,2,3-Trichloropropane	12.483	75	34701	35.627	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	34701	71.015	ug/l #	7

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

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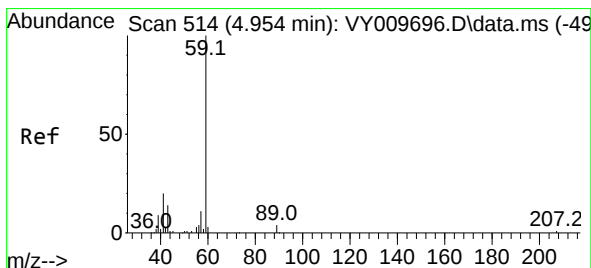
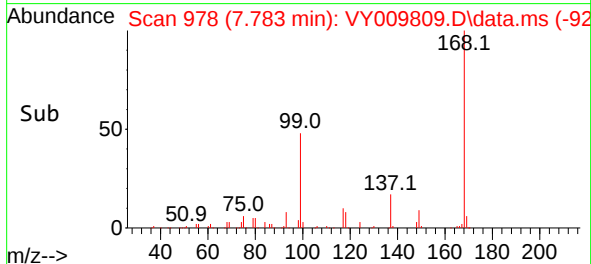
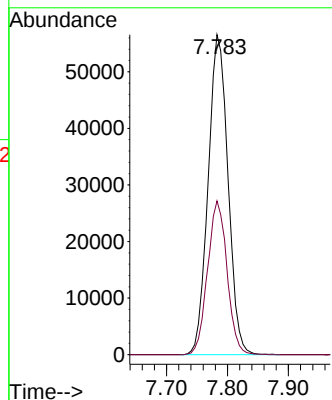
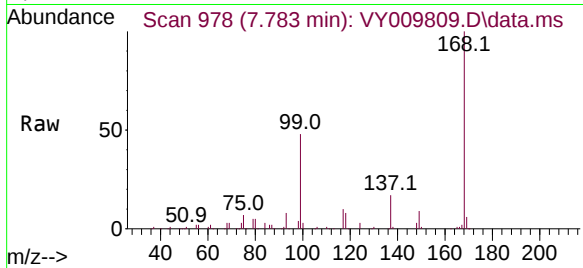




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009809.D
Acq: 01 Aug 2022 20:09

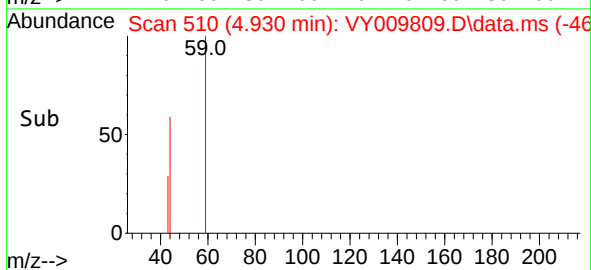
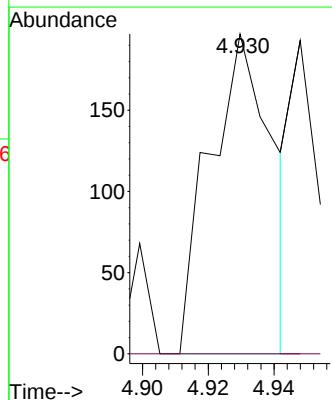
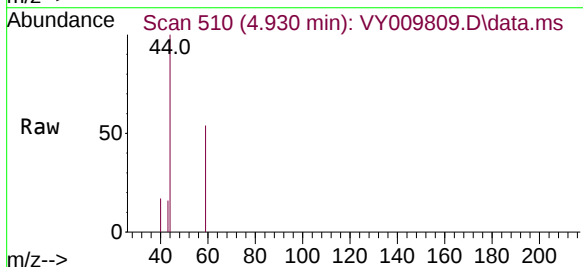
Instrument :
MSVOA_Y
ClientSampleId :
RVE-164

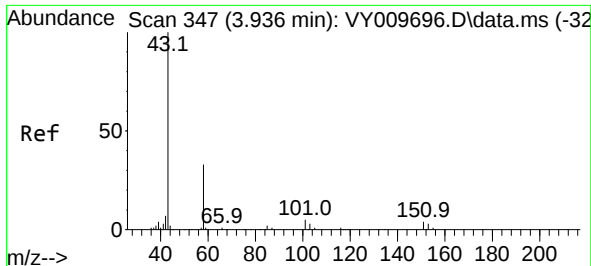
Tgt Ion:168 Resp: 128071
Ion Ratio Lower Upper
168 100
99 48.1 46.9 70.3



#11
Tert butyl alcohol
Concen: 1.261 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.024 min
Lab File: VY009809.D
Acq: 01 Aug 2022 20:09

Tgt Ion: 59 Resp: 261
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

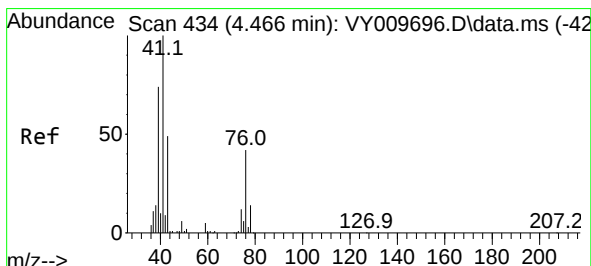
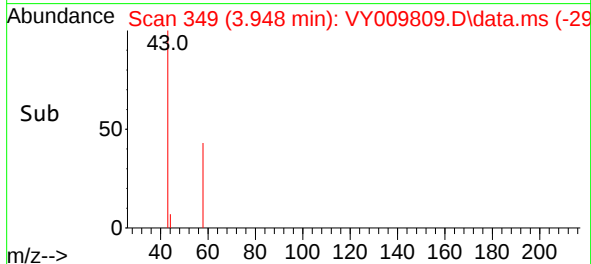
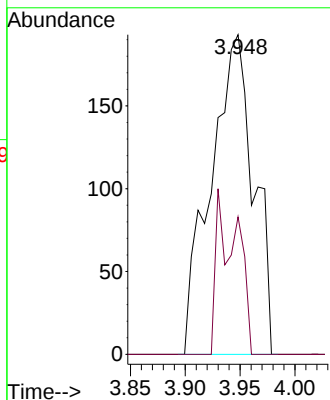
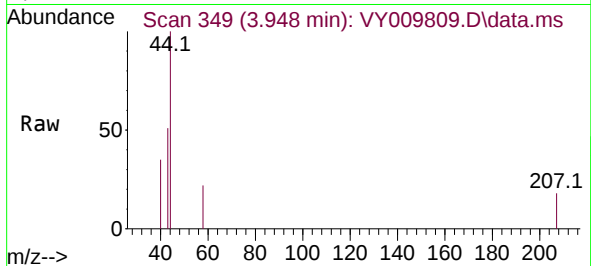




#16
Acetone
Concen: 1.718 ug/l
RT: 3.948 min Scan# 347
Delta R.T. 0.012 min
Lab File: VY009809.D
Acq: 01 Aug 2022 20:09

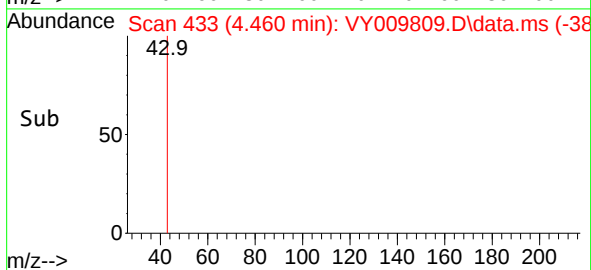
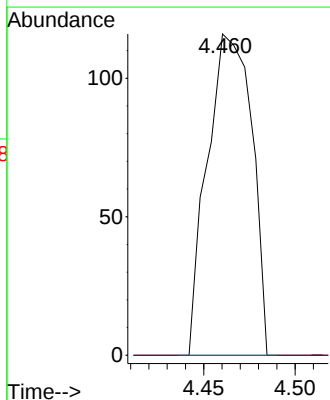
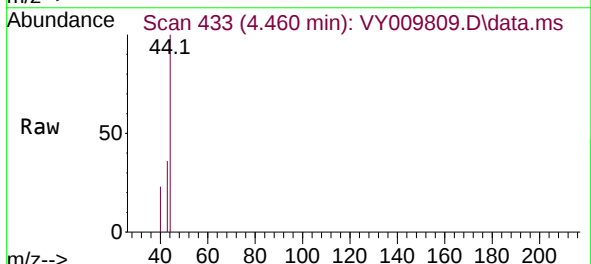
Instrument :
MSVOA_Y
ClientSampleId :
RVE-164

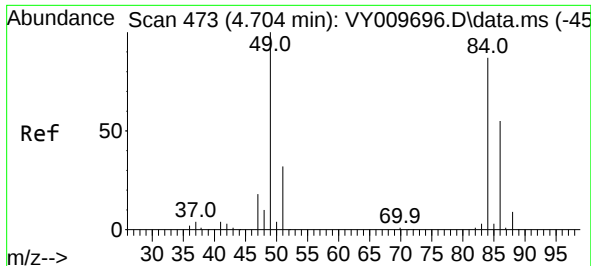
Tgt Ion: 43 Resp: 526
Ion Ratio Lower Upper
43 100
58 43.0 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.460 min Scan# 433
Delta R.T. -0.006 min
Lab File: VY009809.D
Acq: 01 Aug 2022 20:09

Tgt Ion: 43 Resp: 196
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

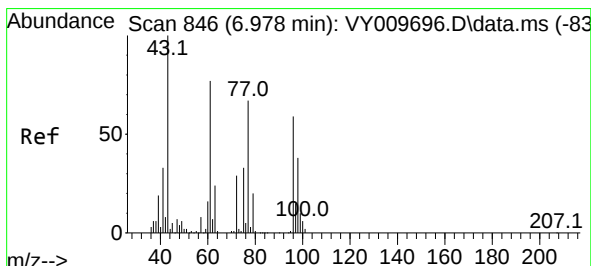
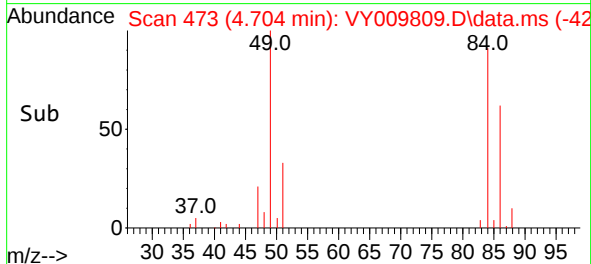
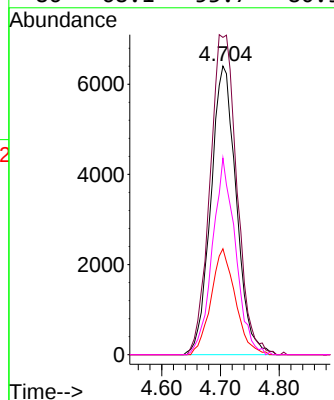
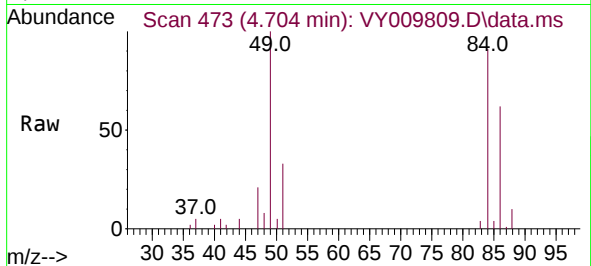




#20
Methylene Chloride
Concen: 4.277 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY009809.D
Acq: 01 Aug 2022 20:09

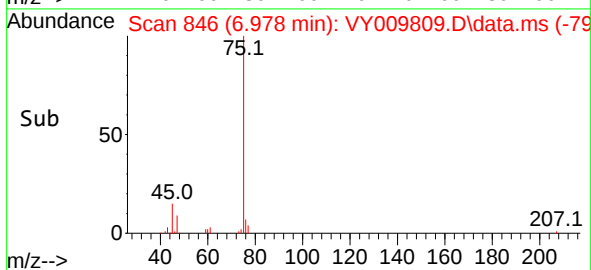
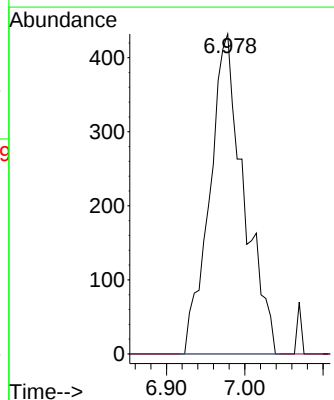
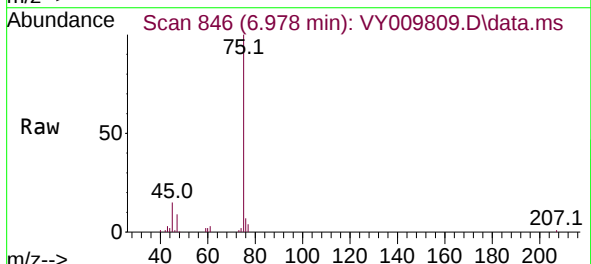
Instrument :
MSVOA_Y
ClientSampleId :
RVE-164

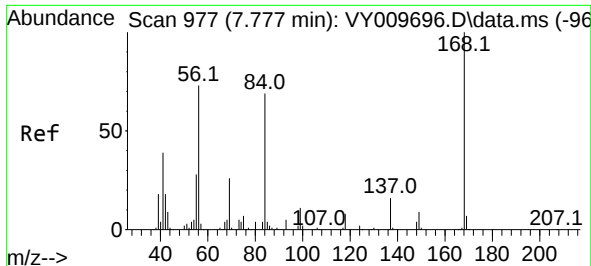
Tgt Ion: 84	Resp: 19304
Ion Ratio	Lower Upper
84 100	
49 109.9	114.4 171.6#
51 36.7	35.3 52.9
86 68.1	53.7 80.5



#25
2-Butanone
Concen: 2.898 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY009809.D
Acq: 01 Aug 2022 20:09

Tgt Ion: 43	Resp: 1309		
Ion Ratio	Lower	Upper	
43 100			
72 0.0	17.7	26.5#	

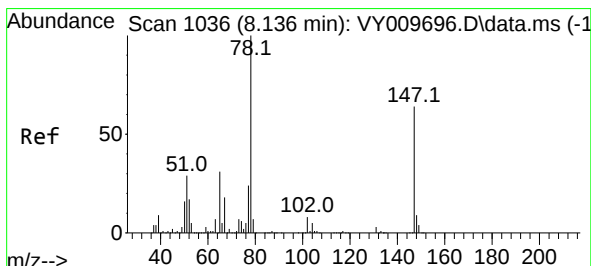
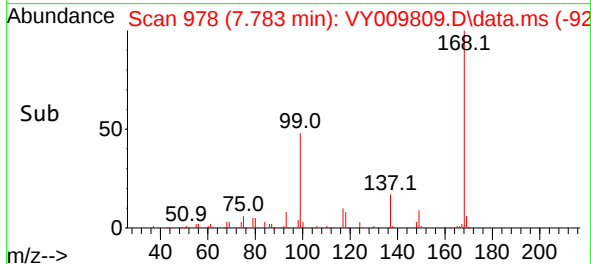
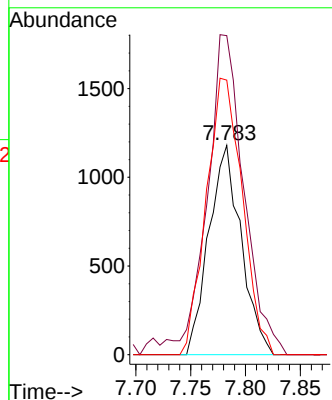
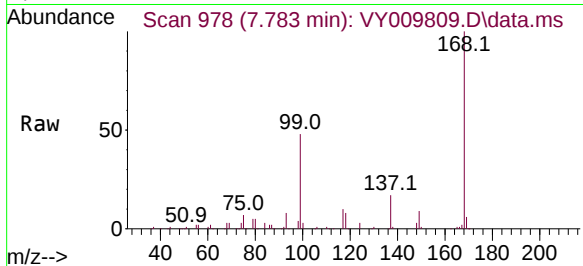




#31
Cyclohexane
Concen: 1.185 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009809.D
Acq: 01 Aug 2022 20:09

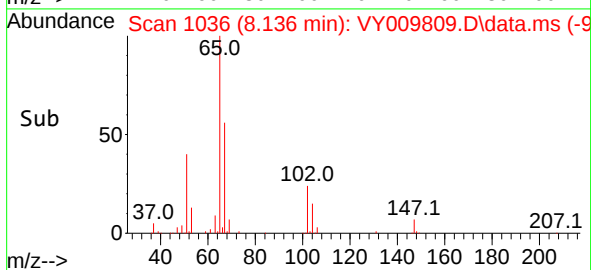
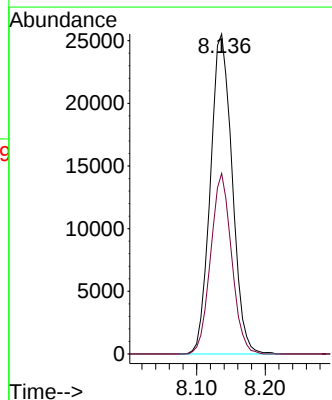
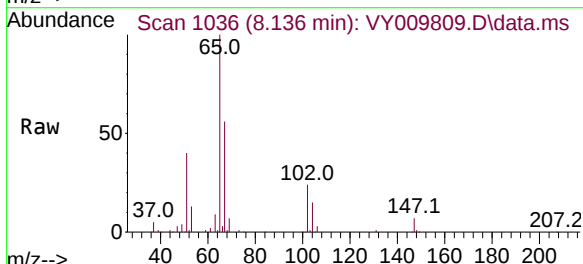
Instrument :
MSVOA_Y
ClientSampleId :
RVE-164

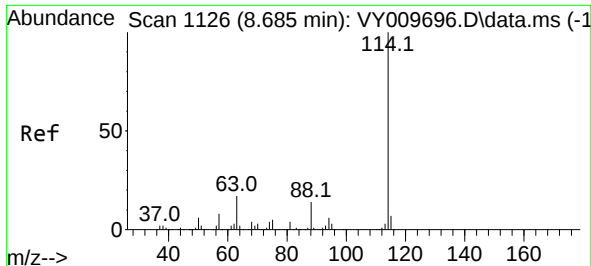
Tgt Ion: 56 Resp: 2415
Ion Ratio Lower Upper
56 100
69 147.0 26.7 40.1#
84 131.2 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 67.908 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY009809.D
Acq: 01 Aug 2022 20:09

Tgt Ion: 65 Resp: 56312
Ion Ratio Lower Upper
65 100
67 54.3 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: VY009809.D

Acq: 01 Aug 2022 20:09

Instrument :

MSVOA_Y

ClientSampleId :

RVE-164

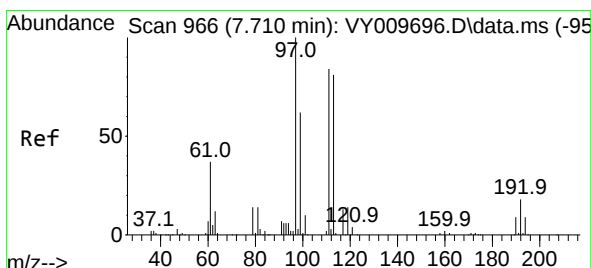
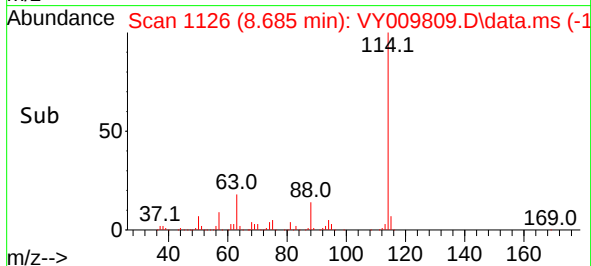
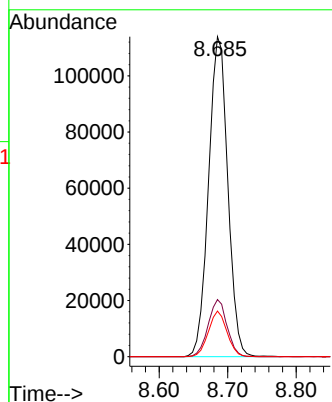
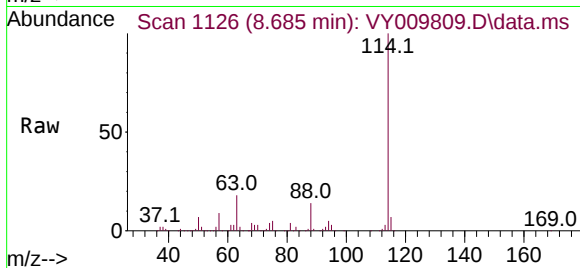
Tgt Ion:114 Resp: 222201

Ion Ratio Lower Upper

114 100

63 17.8 0.0 43.2

88 14.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 46.293 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009809.D

Acq: 01 Aug 2022 20:09

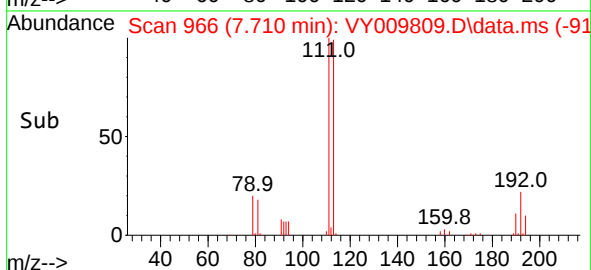
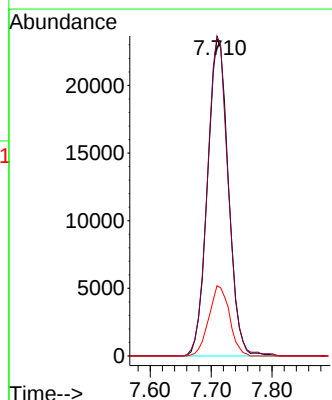
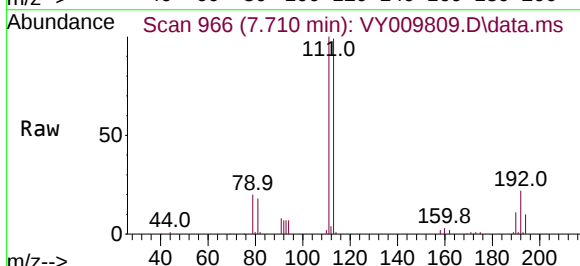
Tgt Ion:113 Resp: 55945

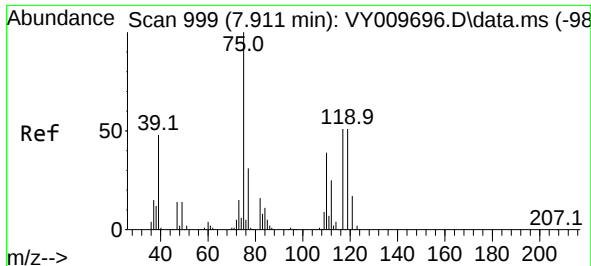
Ion Ratio Lower Upper

113 100

111 100.6 82.6 124.0

192 21.9 17.6 26.4

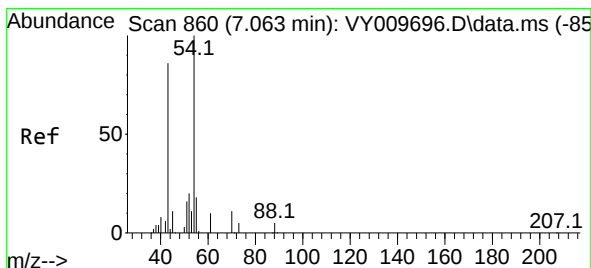
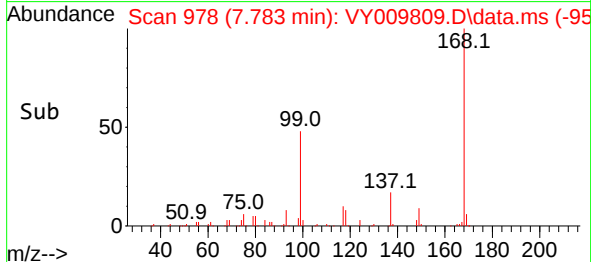
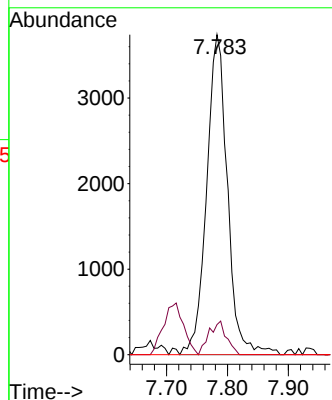
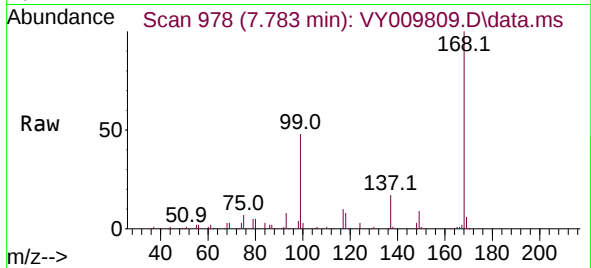




#36
1,1-Dichloropropene
Concen: 4.529 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY009809.D
Acq: 01 Aug 2022 20:09

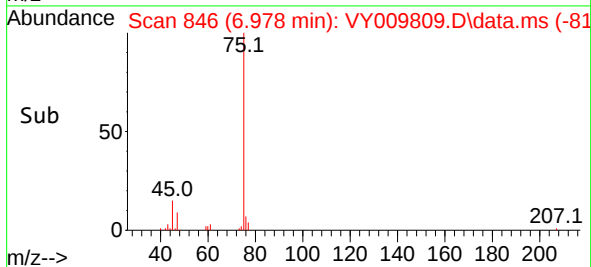
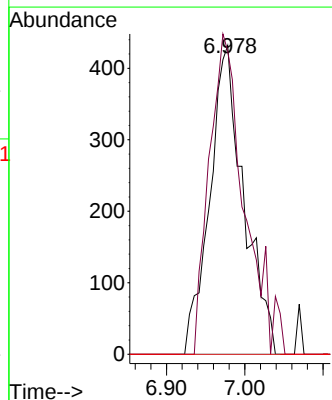
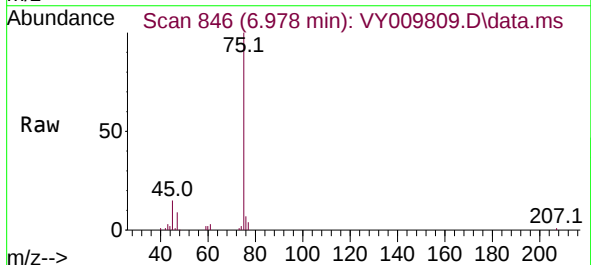
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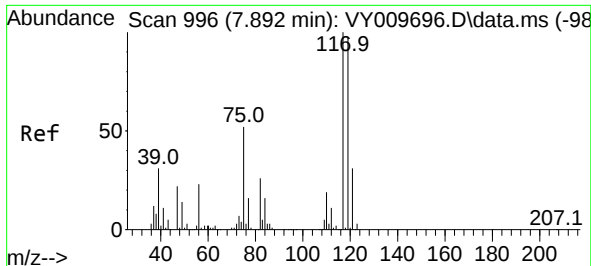
Tgt Ion: 75 Resp: 8906
Ion Ratio Lower Upper
75 100
110 8.8 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.123 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.085 min
Lab File: VY009809.D
Acq: 01 Aug 2022 20:09

Tgt Ion: 43 Resp: 1309
Ion Ratio Lower Upper
43 100
61 107.3 9.7 14.5#
70 0.0 7.1 10.7#

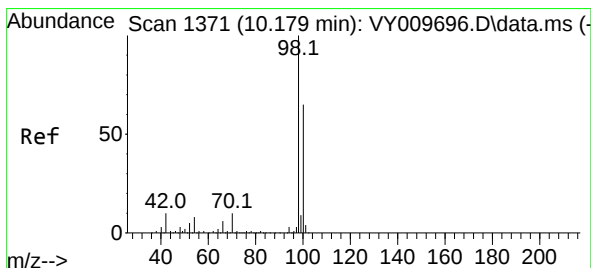
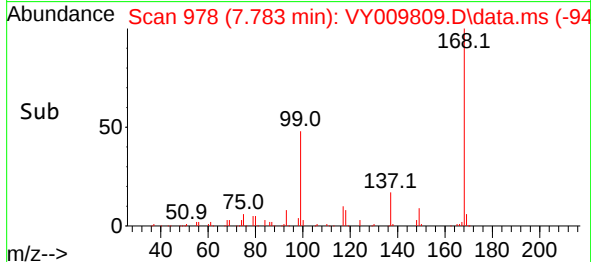
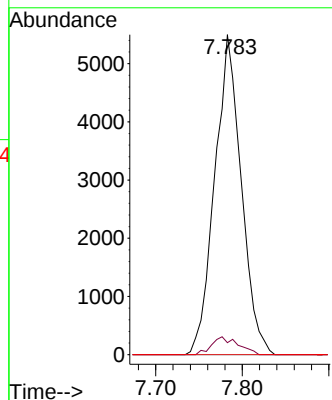
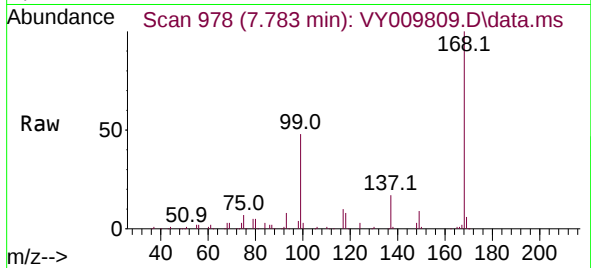




#38
Carbon Tetrachloride
Concen: 5.552 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY009809.D
Acq: 01 Aug 2022 20:09

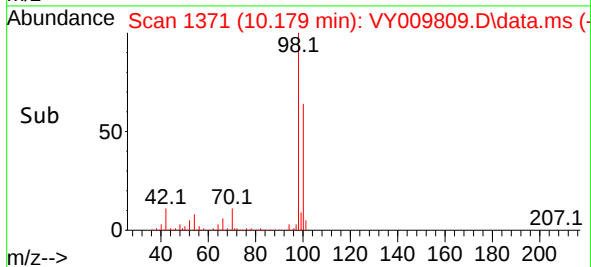
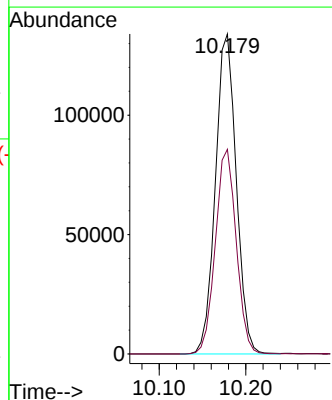
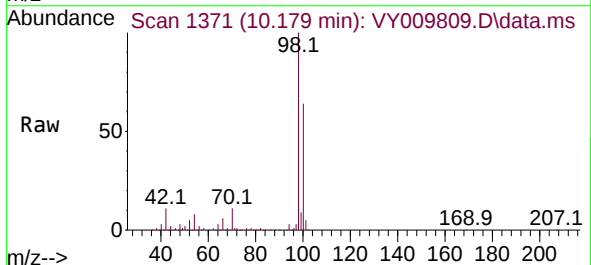
Instrument :
MSVOA_Y
ClientSampleId :
RVE-164

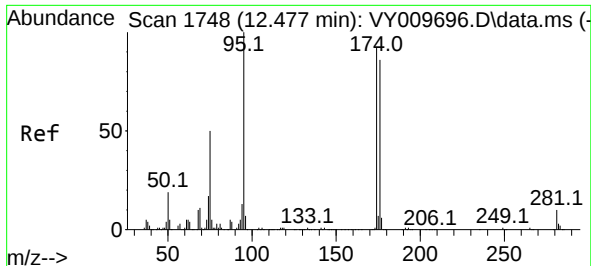
Tgt Ion:117 Resp: 11698
Ion Ratio Lower Upper
117 100
119 3.8 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 64.962 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY009809.D
Acq: 01 Aug 2022 20:09

Tgt Ion: 98 Resp: 224169
Ion Ratio Lower Upper
98 100
100 64.0 50.2 75.2

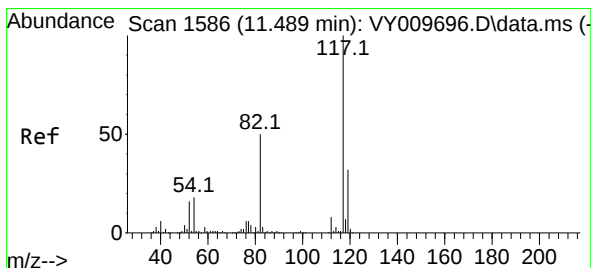
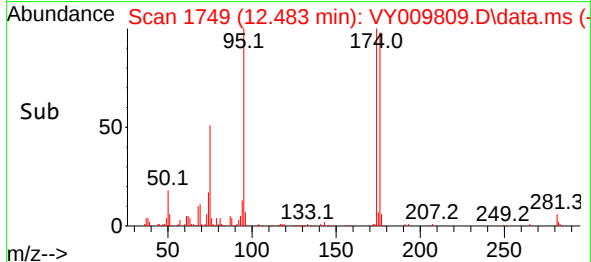
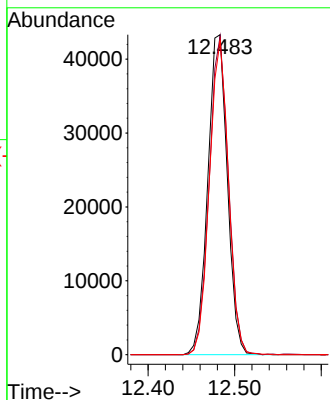
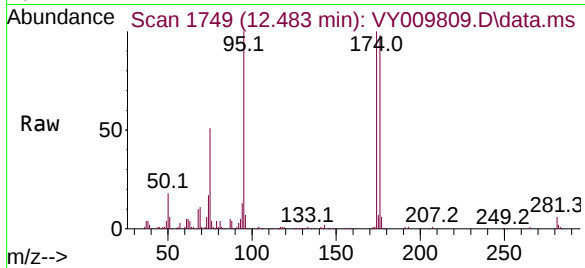




#62
4-Bromofluorobenzene
Concen: 42.454 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY009809.D
Acq: 01 Aug 2022 20:09

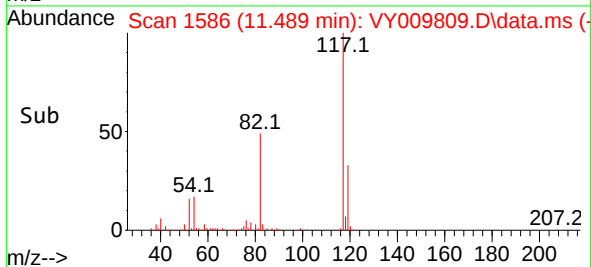
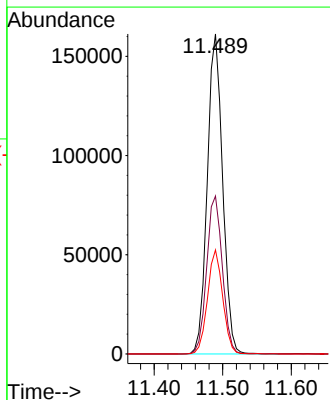
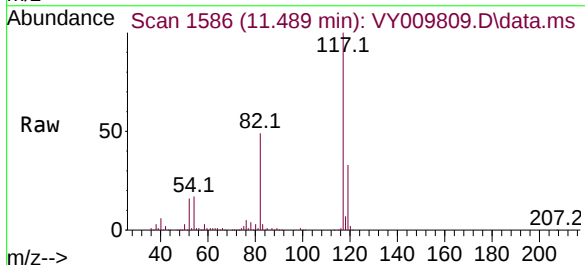
Instrument :
MSVOA_Y
ClientSampleId :
RVE-164

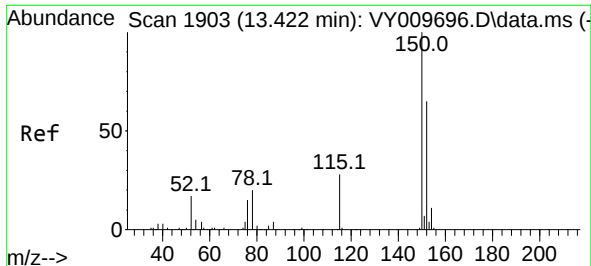
Tgt Ion: 95 Resp: 68030
Ion Ratio Lower Upper
95 100
174 97.4 0.0 177.0
176 95.4 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY009809.D
Acq: 01 Aug 2022 20:09

Tgt Ion: 117 Resp: 251266
Ion Ratio Lower Upper
117 100
82 49.4 43.0 64.4
119 32.5 25.4 38.0

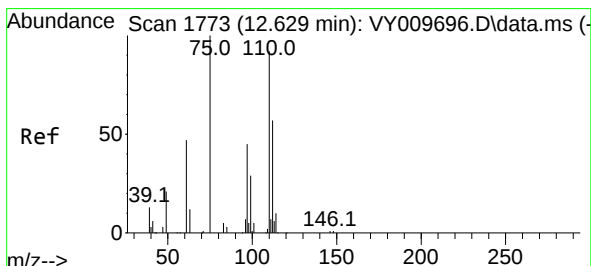
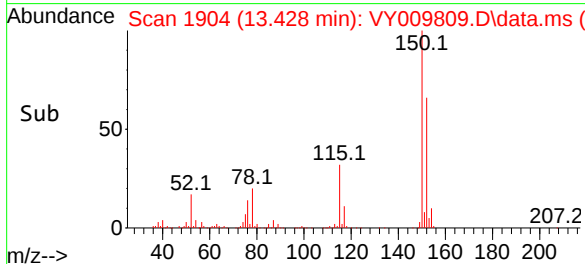
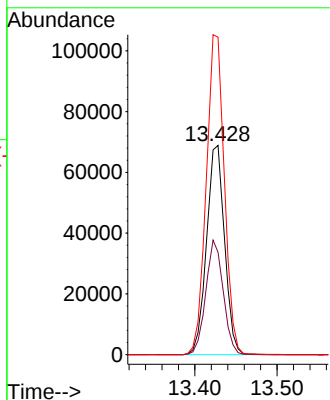
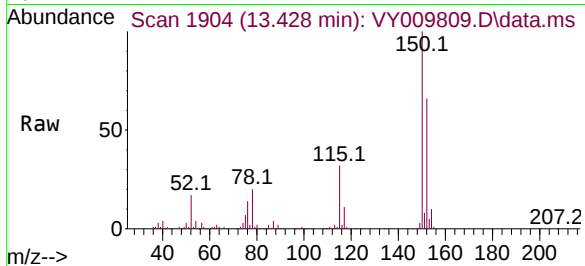




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY009809.D
 Acq: 01 Aug 2022 20:09

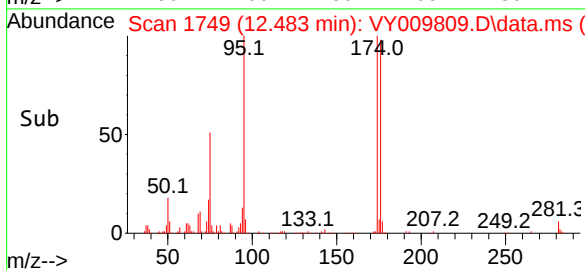
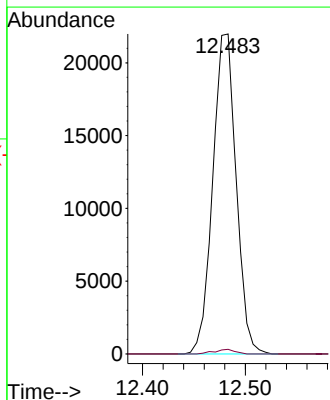
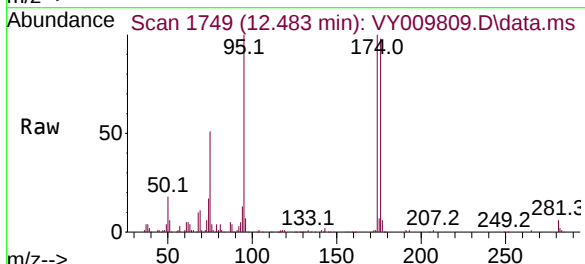
Instrument :
 MSVOA_Y
 ClientSampleId :
 RVE-164

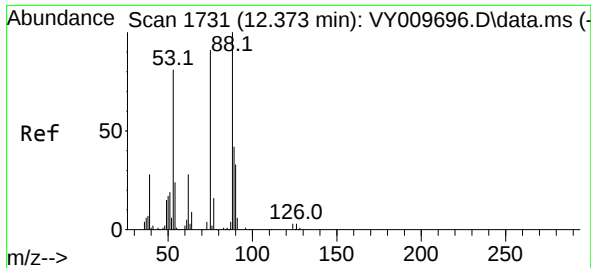
Tgt Ion:152 Resp: 104861
 Ion Ratio Lower Upper
 152 100
 115 53.0 28.2 84.7
 150 153.8 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 35.627 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.146 min
 Lab File: VY009809.D
 Acq: 01 Aug 2022 20:09

Tgt Ion: 75 Resp: 34701
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.015 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY009809.D
 Acq: 01 Aug 2022 20:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 RVE-164

Tgt Ion: 75 Resp: 34701
 Ion Ratio Lower Upper
 75 100
 53 0.1 85.3 127.9#
 89 0.1 37.0 55.4#

