

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072722\
 Data File : VY009734.D
 Acq On : 27 Jul 2022 19:00
 Operator : KP/MD
 Sample : N3893-12
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RVE-12

Quant Time: Jul 28 02:47:17 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)

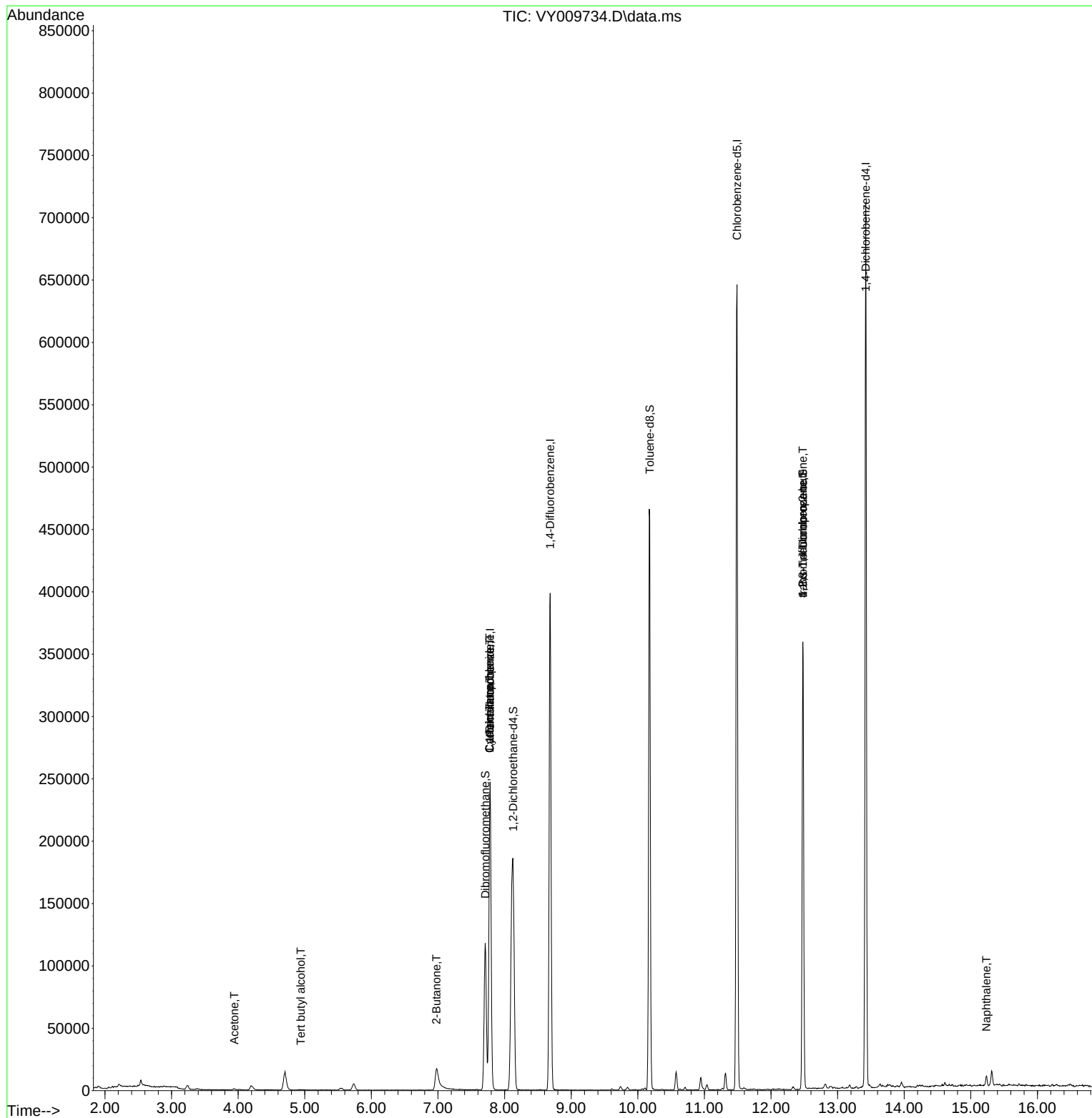
Internal Standards						
1) Pentafluorobenzene	7.783	168	204858	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	363019	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	371059	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	181304	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	82686	61.866	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.740%	
35) Dibromofluoromethane	7.710	113	83162	42.121	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 84.240%	
50) Toluene-d8	10.179	98	312007	54.657	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 109.320%	
62) 4-Bromofluorobenzene	12.477	95	104194	39.800	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 79.600%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	562	1.980	ug/l #	87
16) Acetone	3.942	43	1693	3.456	ug/l #	80
18) Methyl Acetate	4.454	43	135	Below Cal	#	56
20) Methylene Chloride	4.710	84	10554	Below Cal	#	80
25) 2-Butanone	6.978	43	1151	1.593	ug/l	99
31) Cyclohexane	7.777	56	3591	1.102	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	13658	4.251	ug/l #	51
38) Carbon Tetrachloride	7.777	117	18521	5.380	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	53269	31.631	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	53269	63.051	ug/l #	7
95) Naphthalene	15.233	128	7290	1.142	ug/l	97

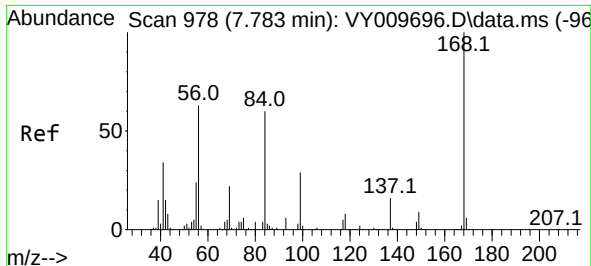
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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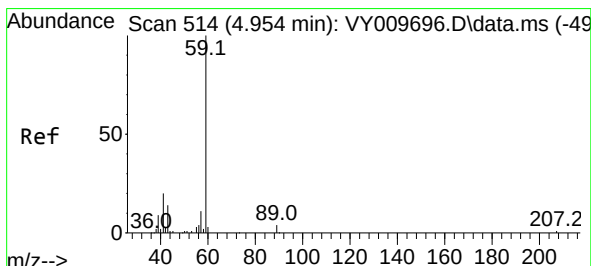
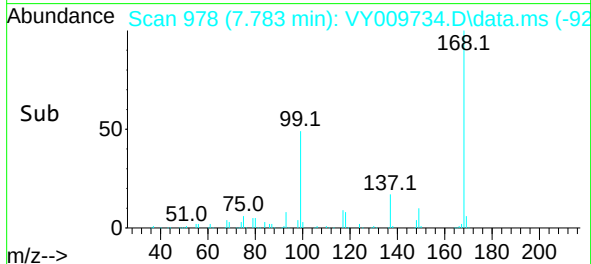
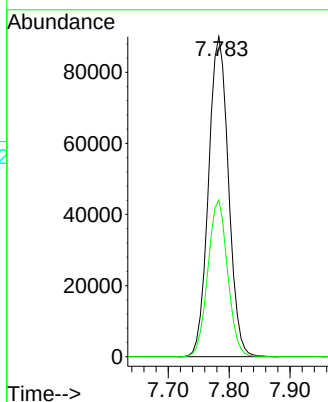
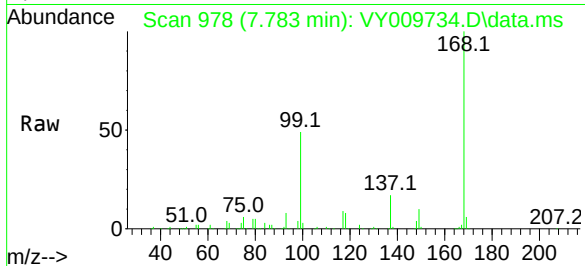




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009734.D
Acq: 27 Jul 2022 19:00

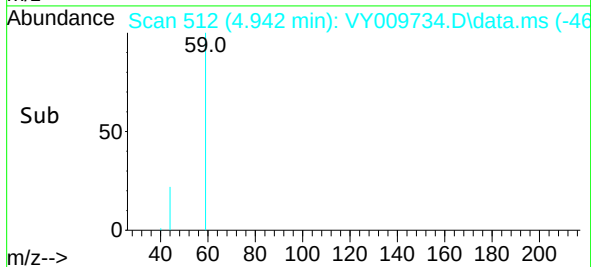
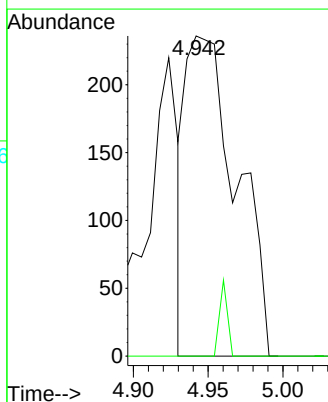
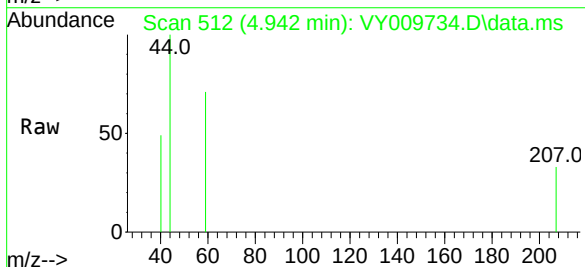
Instrument :
MSVOA_Y
ClientSampleId :
RVE-12

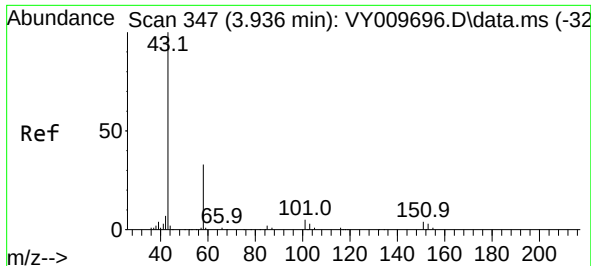
Tgt Ion:168 Resp: 204858
Ion Ratio Lower Upper
168 100
99 49.0 46.9 70.3



#11
Tert butyl alcohol
Concen: 1.980 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.012 min
Lab File: VY009734.D
Acq: 27 Jul 2022 19:00

Tgt Ion: 59 Resp: 562
Ion Ratio Lower Upper
59 100
57 3.6 6.4 9.6#

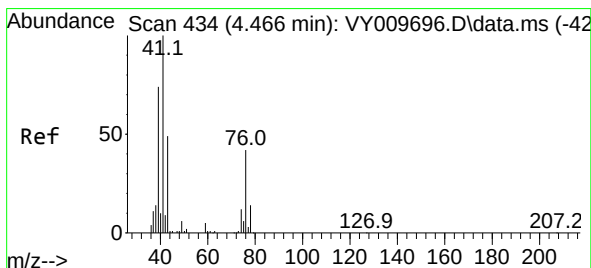
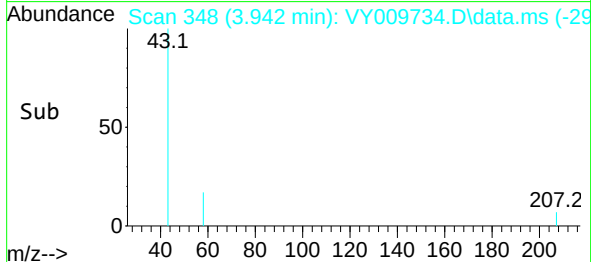
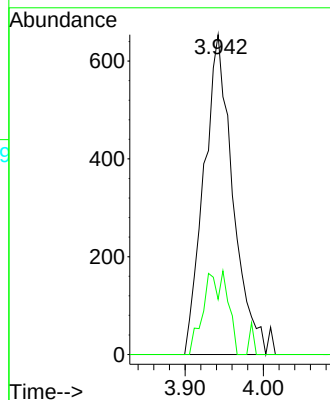
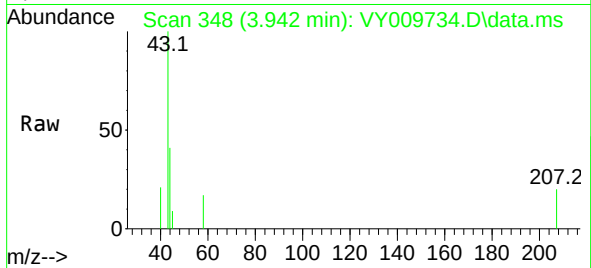




#16
Acetone
Concen: 3.456 ug/l
RT: 3.942 min Scan# 347
Delta R.T. 0.006 min
Lab File: VY009734.D
Acq: 27 Jul 2022 19:00

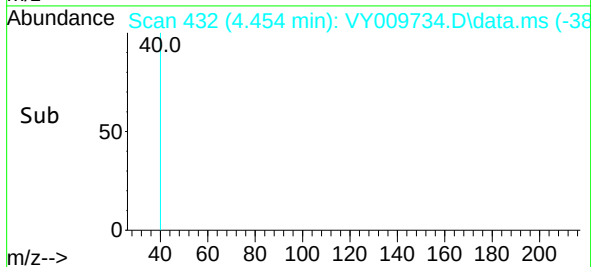
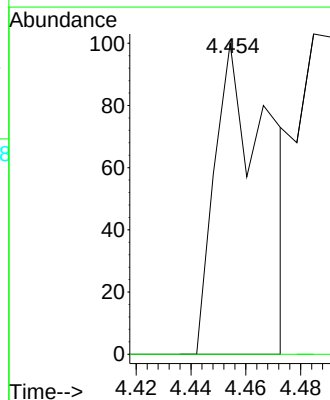
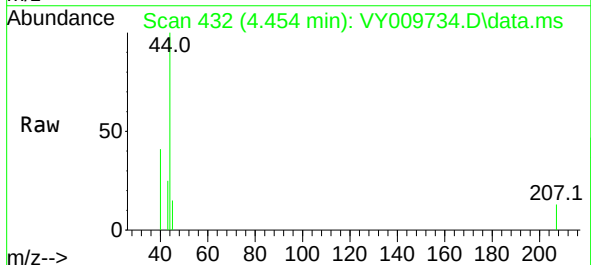
Instrument :
MSVOA_Y
ClientSampleId :
RVE-12

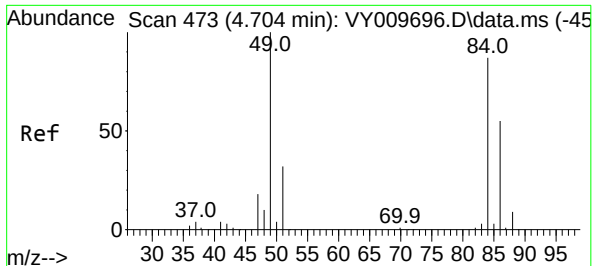
Tgt Ion: 43 Resp: 1693
Ion Ratio Lower Upper
43 100
58 17.3 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.454 min Scan# 432
Delta R.T. -0.012 min
Lab File: VY009734.D
Acq: 27 Jul 2022 19:00

Tgt Ion: 43 Resp: 135
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY009734.D

Acq: 27 Jul 2022 19:00

Instrument :

MSVOA_Y

ClientSampleId :

RVE-12

Tgt Ion: 84 Resp: 10554

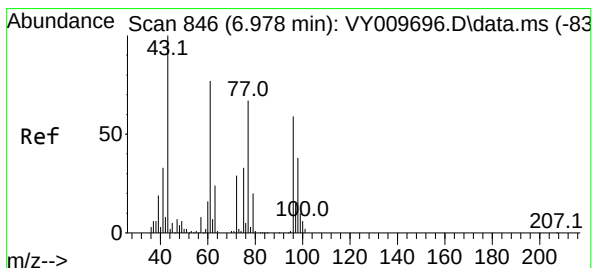
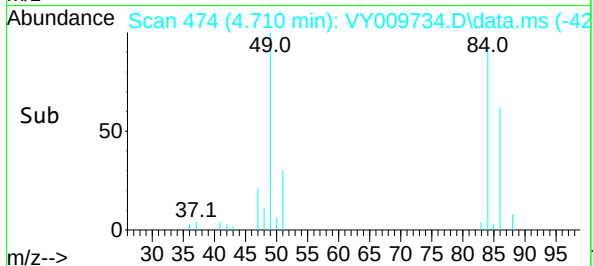
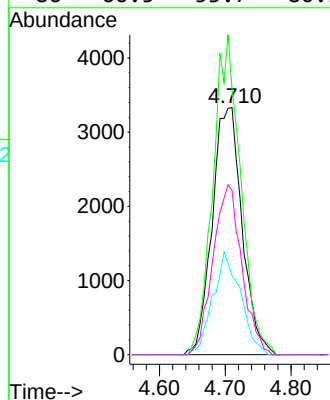
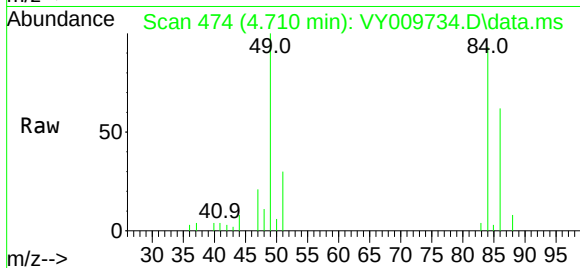
Ion Ratio Lower Upper

84 100

49 107.5 114.4 171.6#

51 32.0 35.3 52.9#

86 66.5 53.7 80.5



#25

2-Butanone

Concen: 1.593 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY009734.D

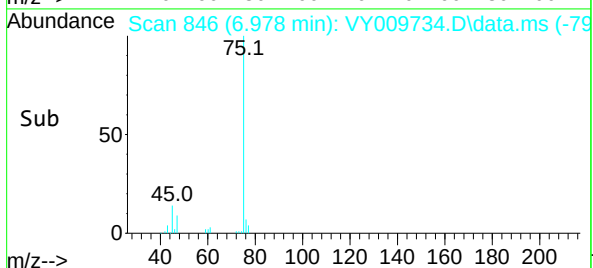
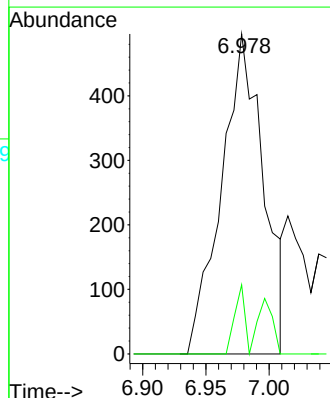
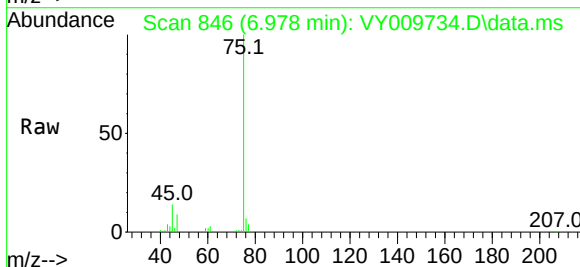
Acq: 27 Jul 2022 19:00

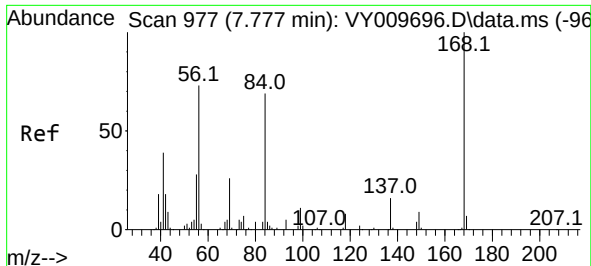
Tgt Ion: 43 Resp: 1151

Ion Ratio Lower Upper

43 100

72 21.6 17.7 26.5

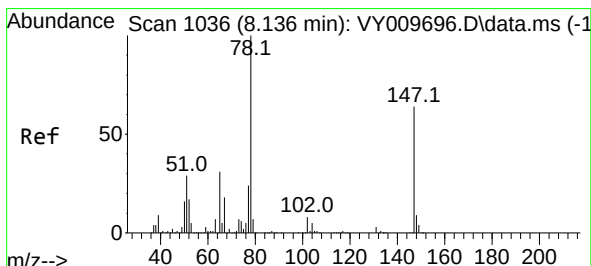
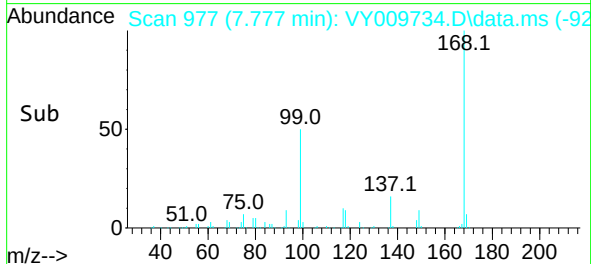
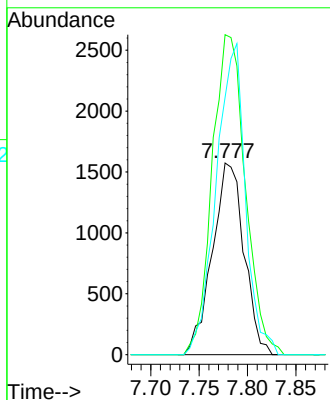
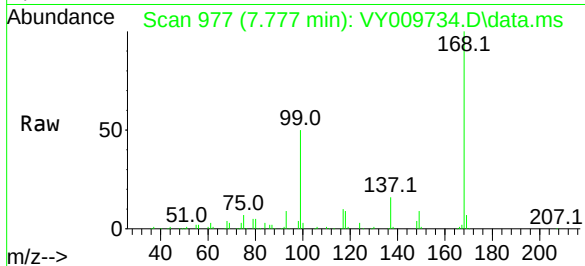




#31
Cyclohexane
Concen: 1.102 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009734.D
Acq: 27 Jul 2022 19:00

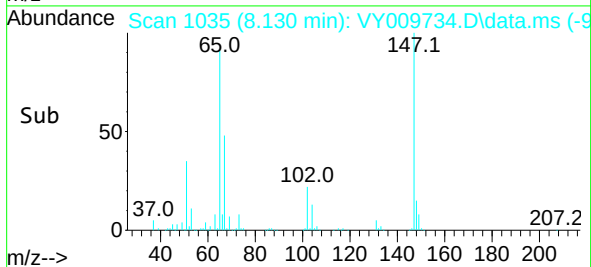
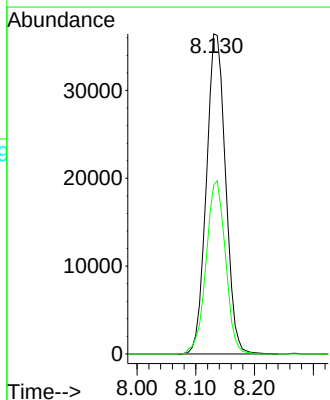
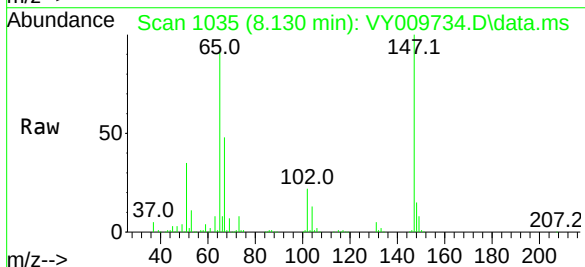
Instrument :
MSVOA_Y
ClientSampleId :
RVE-12

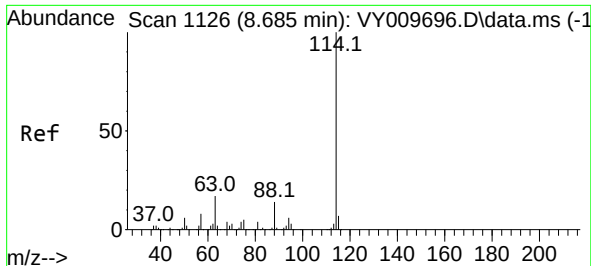
Tgt Ion: 56 Resp: 3591
Ion Ratio Lower Upper
56 100
69 167.0 26.7 40.1#
84 134.2 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 61.866 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.006 min
Lab File: VY009734.D
Acq: 27 Jul 2022 19:00

Tgt Ion: 65 Resp: 82686
Ion Ratio Lower Upper
65 100
67 54.7 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: VY009734.D

Acq: 27 Jul 2022 19:00

Instrument :

MSVOA_Y

ClientSampleId :

RVE-12

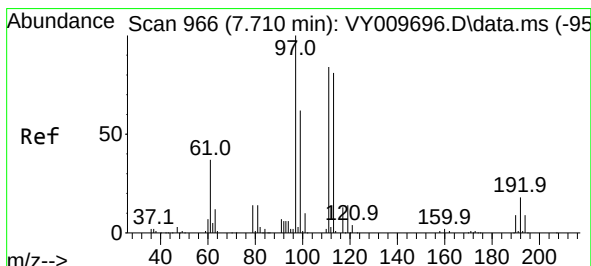
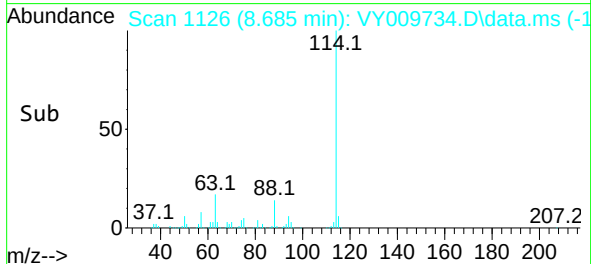
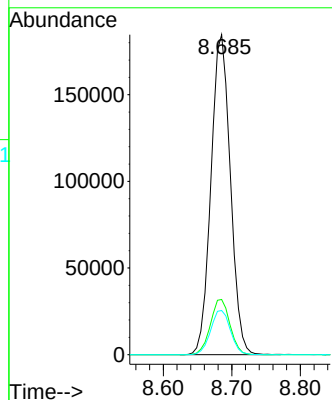
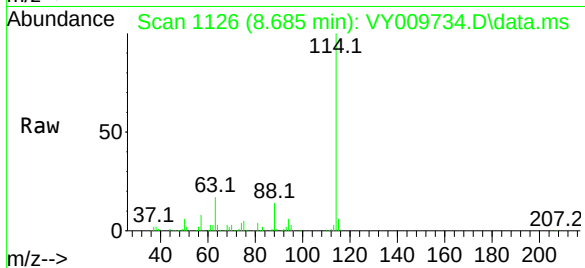
Tgt Ion:114 Resp: 363019

Ion Ratio Lower Upper

114 100

63 17.2 0.0 43.2

88 13.8 0.0 31.8



#35

Dibromofluoromethane

Concen: 42.121 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009734.D

Acq: 27 Jul 2022 19:00

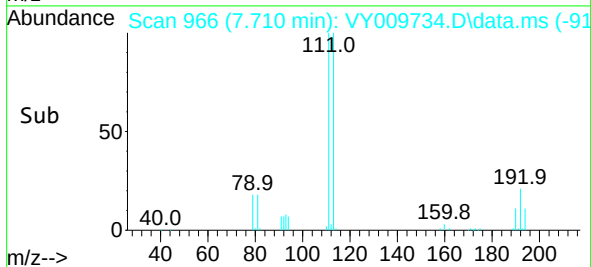
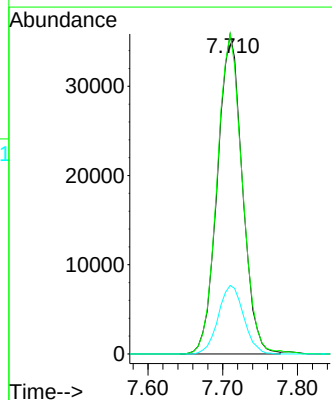
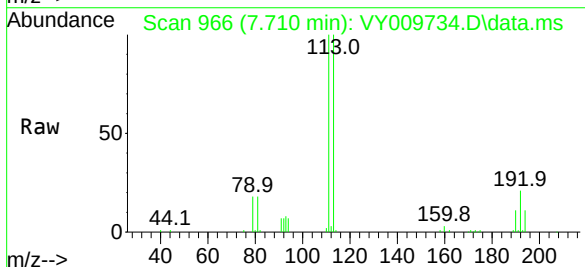
Tgt Ion:113 Resp: 83162

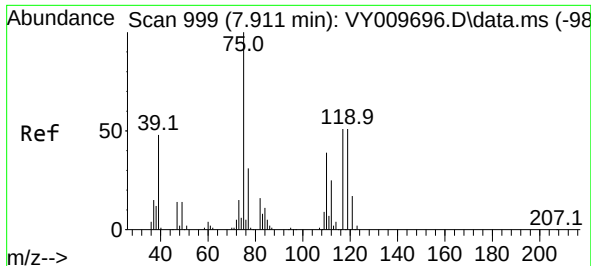
Ion Ratio Lower Upper

113 100

111 101.1 82.6 124.0

192 21.8 17.6 26.4

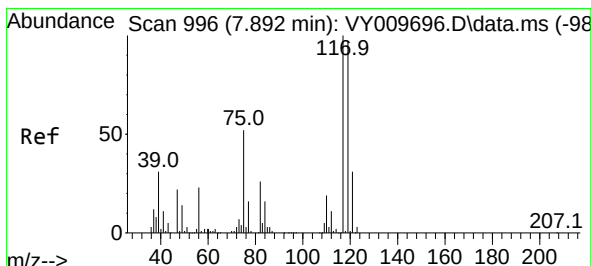
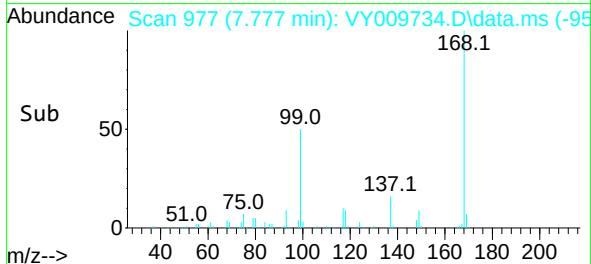
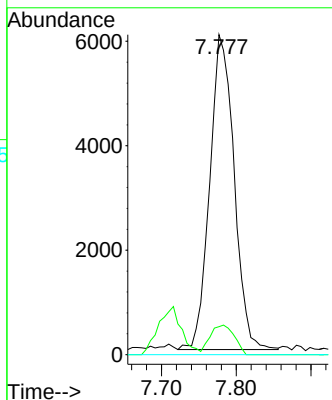
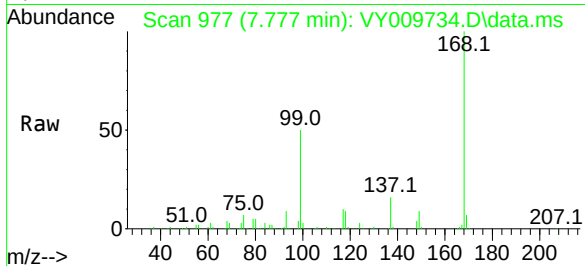




#36
1,1-Dichloropropene
Concen: 4.251 ug/l
RT: 7.777 min Scan# 911
Delta R.T. -0.134 min
Lab File: VY009734.D
Acq: 27 Jul 2022 19:00

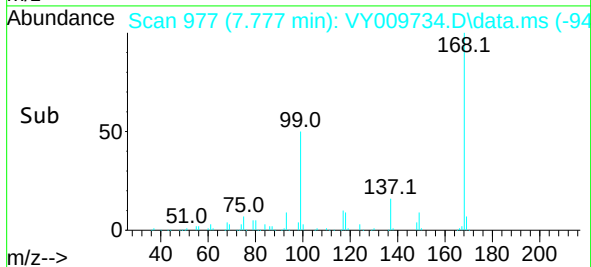
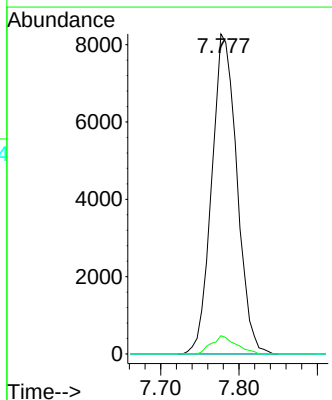
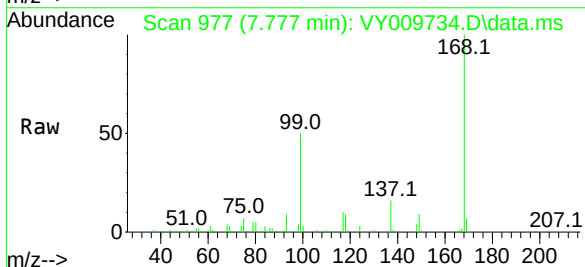
Instrument :
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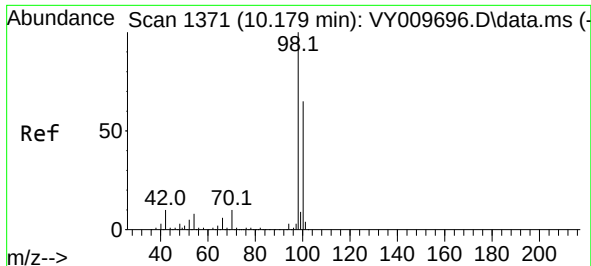
Tgt Ion: 75 Resp: 13658
Ion Ratio Lower Upper
75 100
110 9.3 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.380 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.115 min
Lab File: VY009734.D
Acq: 27 Jul 2022 19:00

Tgt Ion: 117 Resp: 18521
Ion Ratio Lower Upper
117 100
119 5.7 77.9 116.9#
121 0.0 24.8 37.2#

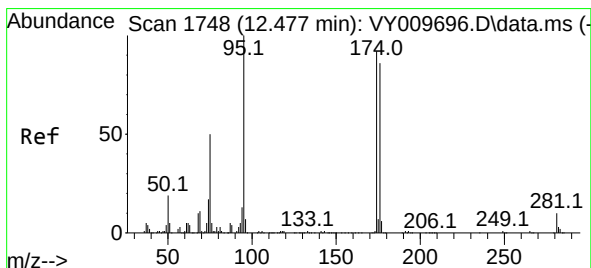
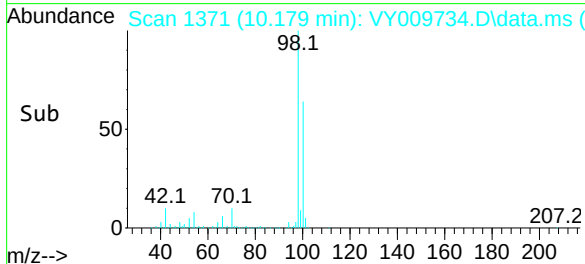
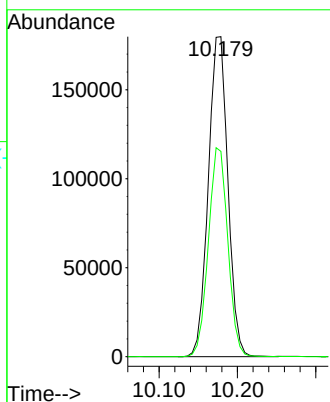
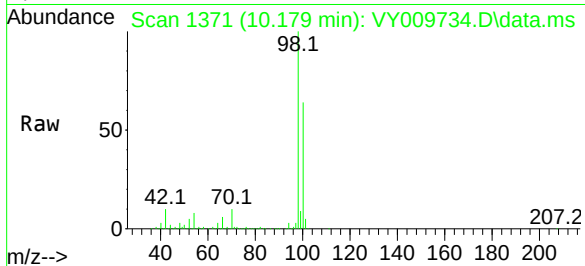




#50
Toluene-d8
Concen: 54.657 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009734.D
Acq: 27 Jul 2022 19:00

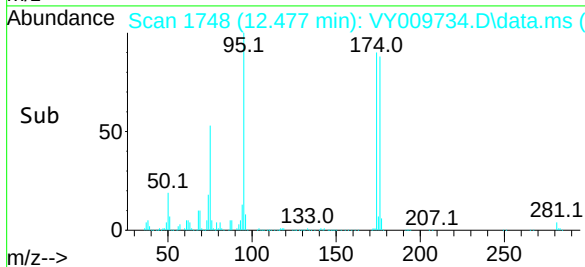
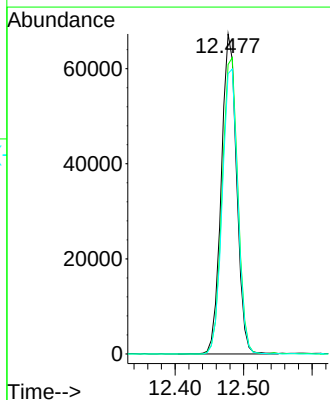
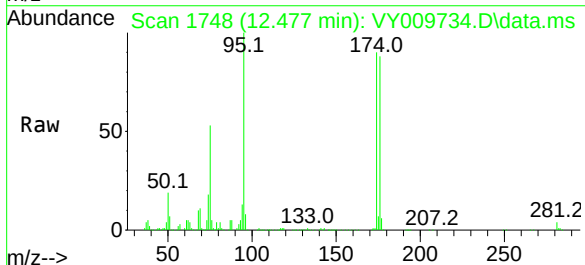
Instrument :
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RVE-12

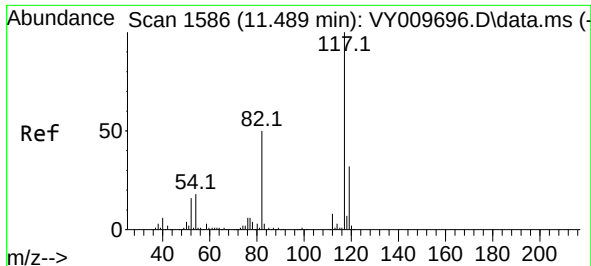
Tgt Ion: 98 Resp: 312007
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 39.800 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009734.D
Acq: 27 Jul 2022 19:00

Tgt Ion: 95 Resp: 104194
Ion Ratio Lower Upper
95 100
174 94.7 0.0 177.0
176 90.5 0.0 175.8

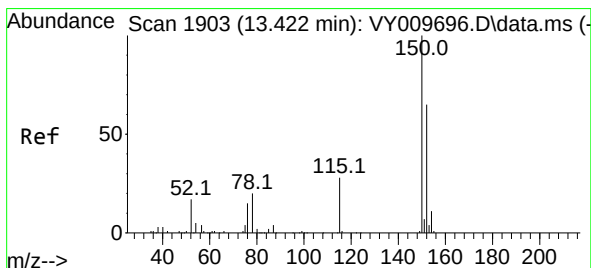
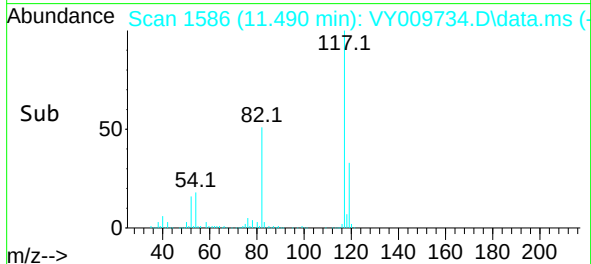
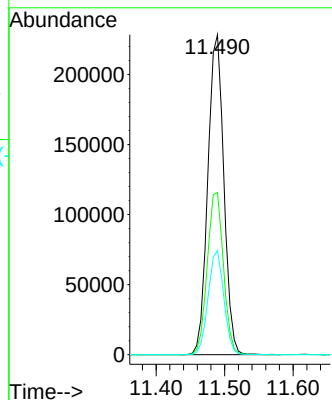
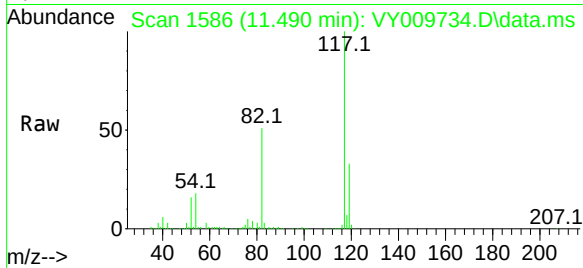




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY009734.D
Acq: 27 Jul 2022 19:00

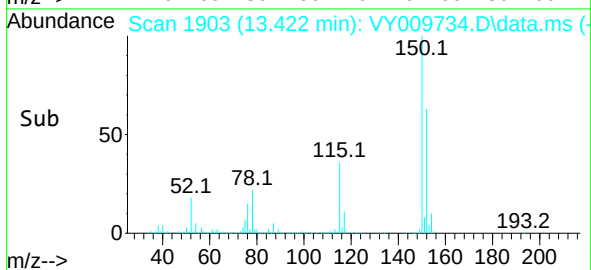
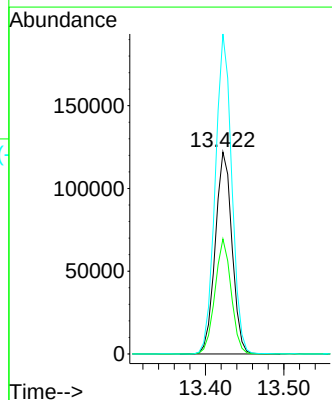
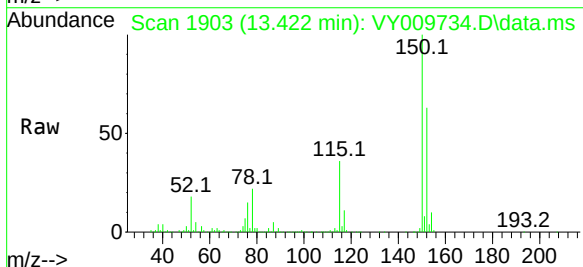
Instrument :
MSVOA_Y
ClientSampleId :
RVE-12

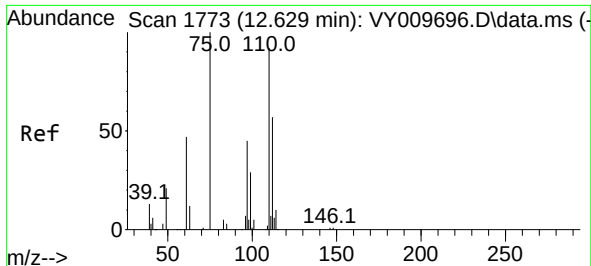
Tgt Ion:117 Resp: 371059
Ion Ratio Lower Upper
117 100
82 50.6 43.0 64.4
119 32.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009734.D
Acq: 27 Jul 2022 19:00

Tgt Ion:152 Resp: 181304
Ion Ratio Lower Upper
152 100
115 55.0 28.2 84.7
150 156.1 0.0 347.6

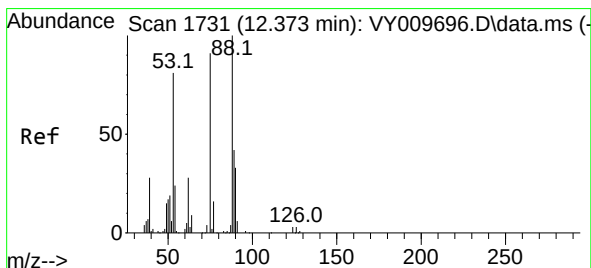
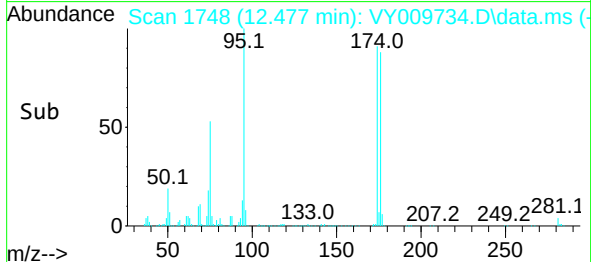
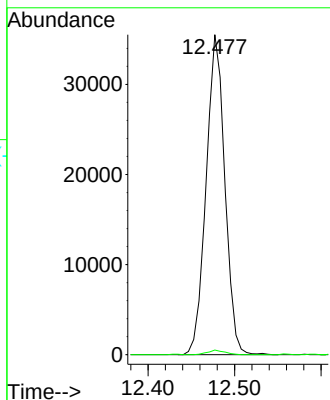
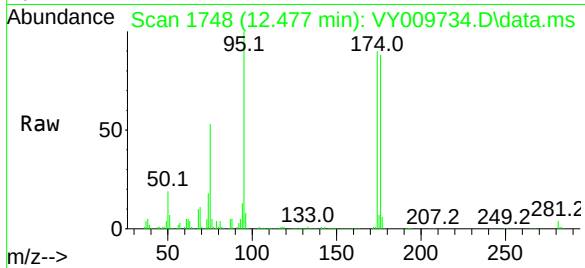




#76
1,2,3-Trichloropropane
Concen: 31.631 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY009734.D
Acq: 27 Jul 2022 19:00

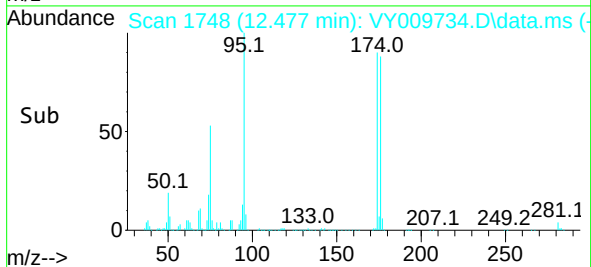
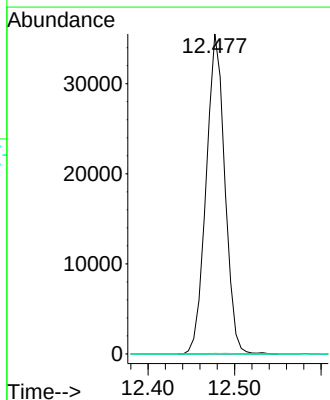
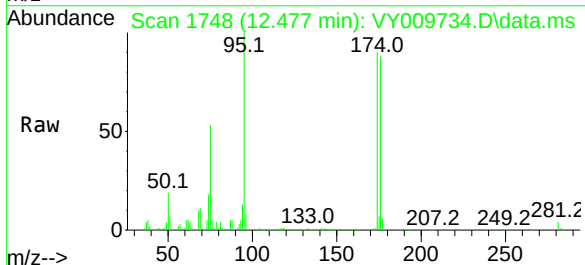
Instrument :
MSVOA_Y
ClientSampleId :
RVE-12

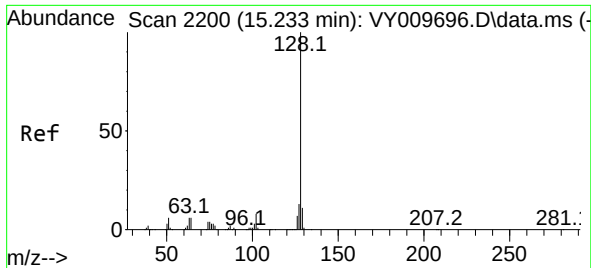
Tgt Ion: 75 Resp: 53269
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.051 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009734.D
Acq: 27 Jul 2022 19:00

Tgt Ion: 75 Resp: 53269
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 1.142 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY009734.D

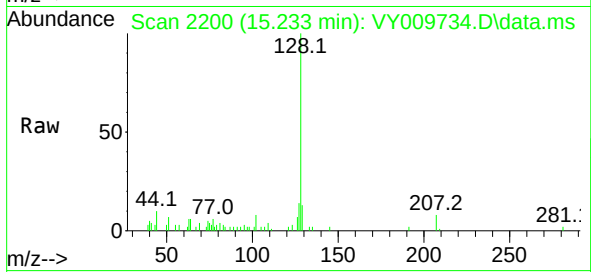
Acq: 27 Jul 2022 19:00

Instrument :

MSVOA_Y

ClientSampleId :

RVE-12



Tgt Ion:128 Resp: 7290

Ion Ratio Lower Upper

128 100

127 13.4 11.0 16.4

129 12.4 8.4 12.6

