

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072722\
 Data File : VY009733.D
 Acq On : 27 Jul 2022 18:36
 Operator : KP/MD
 Sample : N3893-08
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RVE-8

Quant Time: Jul 28 02:47:05 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)

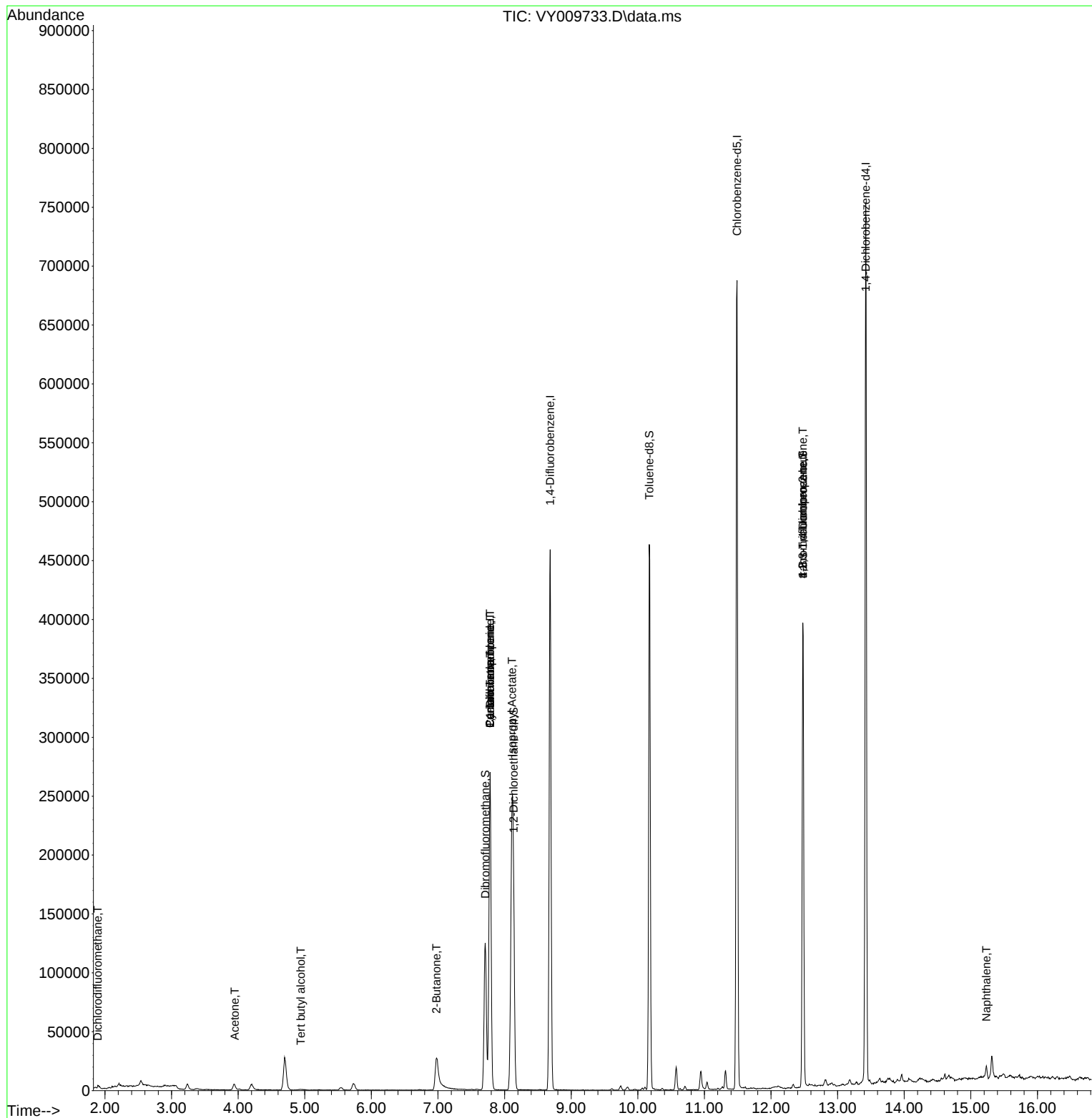
Internal Standards						
1) Pentafluorobenzene	7.783	168	220240	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	404036	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	394671	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	198283	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	93188	65.132	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 130.260%	
35) Dibromofluoromethane	7.710	113	91243	41.522	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 83.040%	
50) Toluene-d8	10.173	98	308323	48.008	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 96.020%	
62) 4-Bromofluorobenzene	12.477	95	116730	40.061	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 80.120%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.894	85	1993	1.016	ug/l	99
11) Tert butyl alcohol	4.942	59	1355	5.457	ug/l #	77
16) Acetone	3.948	43	8942	16.981	ug/l	94
18) Methyl Acetate	4.466	43	313	Below Cal	#	56
20) Methylene Chloride	4.698	84	21071	Below Cal	#	84
25) 2-Butanone	6.978	43	1907	2.455	ug/l	97
31) Cyclohexane	7.783	56	3949	1.127	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	14531	4.064	ug/l #	51
38) Carbon Tetrachloride	7.783	117	20119	5.251	ug/l #	16
43) Isopropyl Acetate	8.112	43	4649	1.256	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	58415	31.717	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	58415	63.221	ug/l #	7
95) Naphthalene	15.233	128	8672	1.242	ug/l #	89

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

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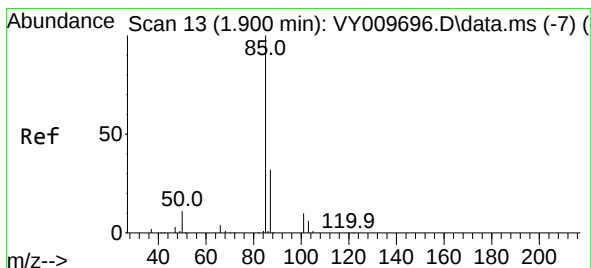
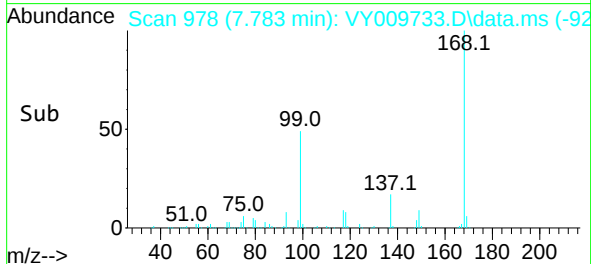
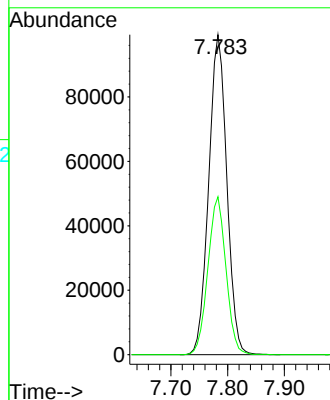
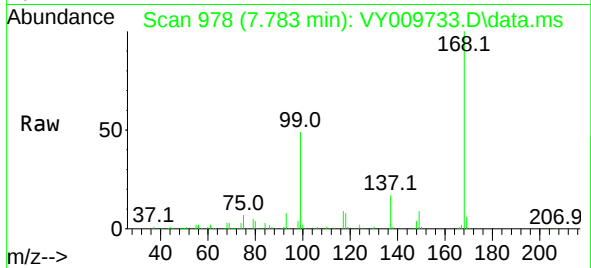




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009733.D
Acq: 27 Jul 2022 18:36

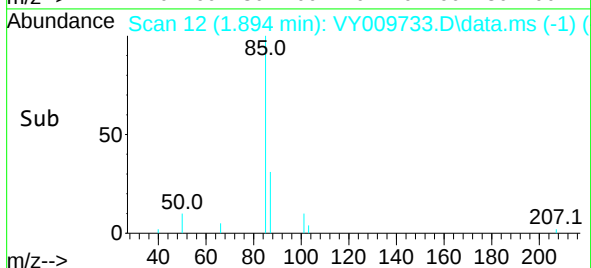
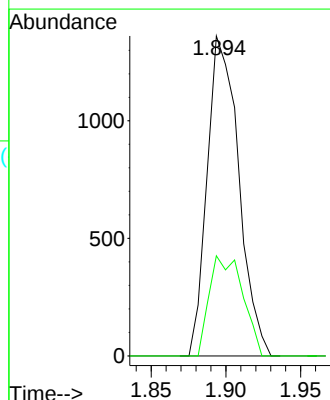
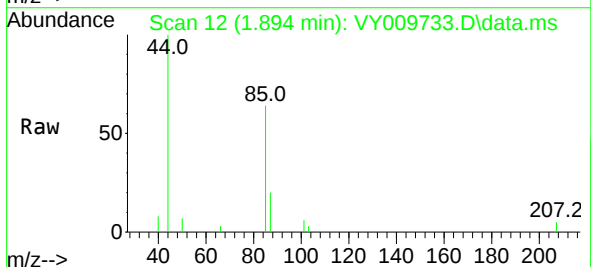
Instrument :
MSVOA_Y
ClientSampleId :
RVE-8

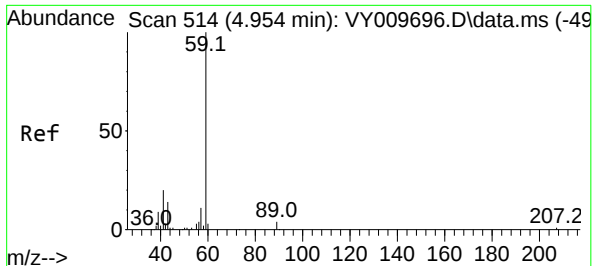
Tgt Ion:168 Resp: 220240
Ion Ratio Lower Upper
168 100
99 49.3 46.9 70.3



#2
Dichlorodifluoromethane
Concen: 1.016 ug/l
RT: 1.894 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY009733.D
Acq: 27 Jul 2022 18:36

Tgt Ion: 85 Resp: 1993
Ion Ratio Lower Upper
85 100
87 31.3 16.1 48.2





#11

Tert butyl alcohol

Concen: 5.457 ug/l

RT: 4.942 min Scan# 514

Delta R.T. -0.012 min

Lab File: VY009733.D

Acq: 27 Jul 2022 18:36

Instrument :

MSVOA_Y

ClientSampleId :

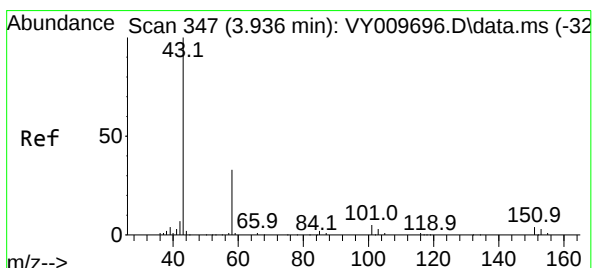
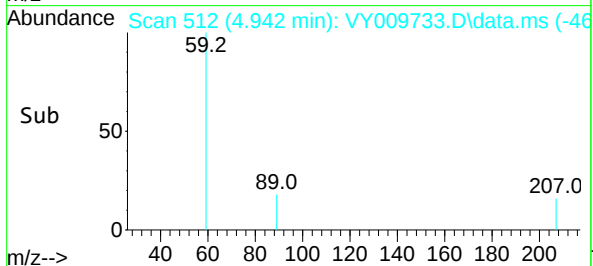
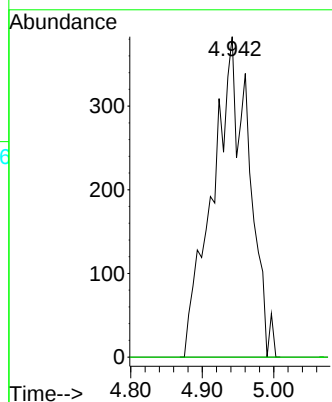
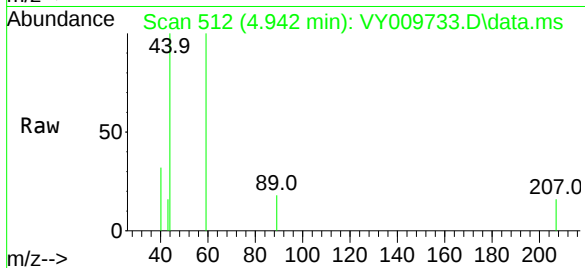
RVE-8

Tgt Ion: 59 Resp: 1355

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 16.981 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.012 min

Lab File: VY009733.D

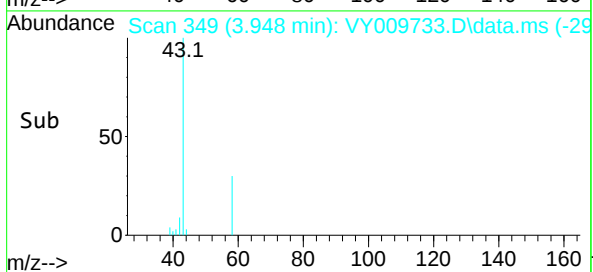
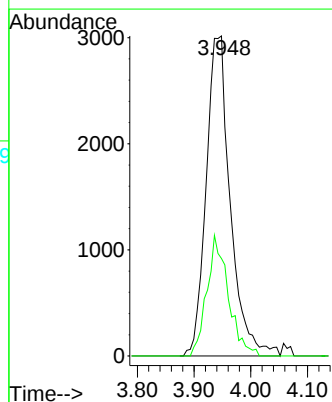
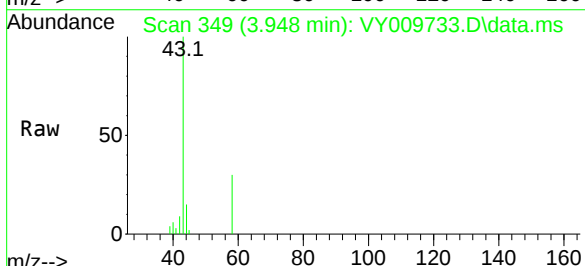
Acq: 27 Jul 2022 18:36

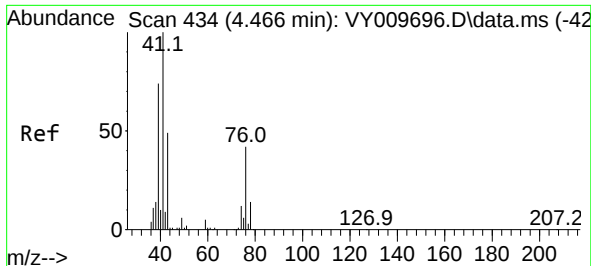
Tgt Ion: 43 Resp: 8942

Ion Ratio Lower Upper

43 100

58 30.5 22.0 33.0





#18

Methyl Acetate

Concen: Below Cal

RT: 4.466 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY009733.D

Acq: 27 Jul 2022 18:36

Instrument :

MSVOA_Y

ClientSampleId :

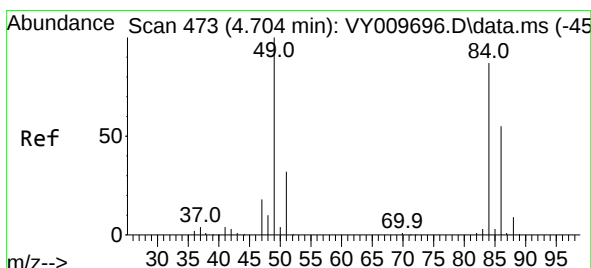
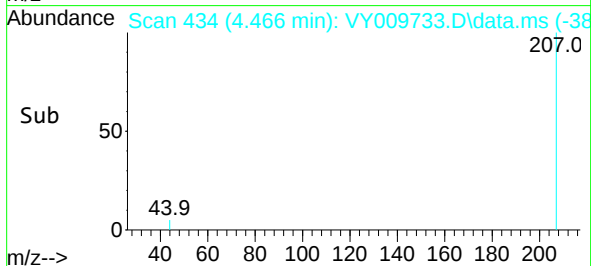
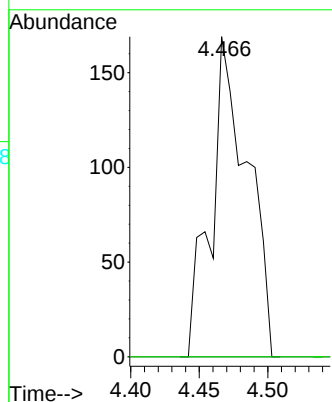
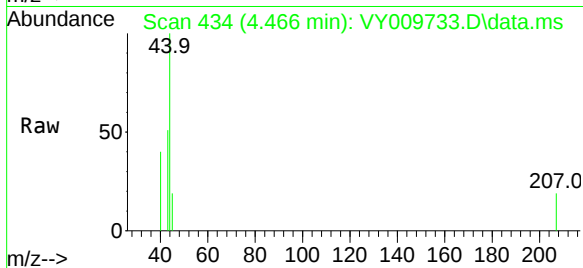
RVE-8

Tgt Ion: 43 Resp: 313

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.698 min Scan# 472

Delta R.T. -0.006 min

Lab File: VY009733.D

Acq: 27 Jul 2022 18:36

Tgt Ion: 84 Resp: 21071

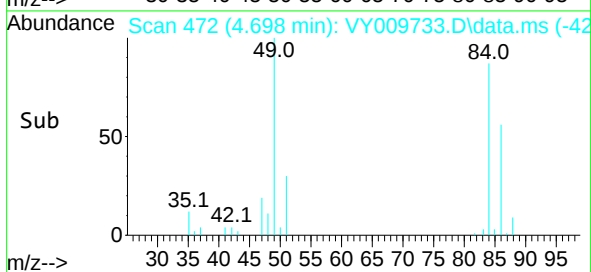
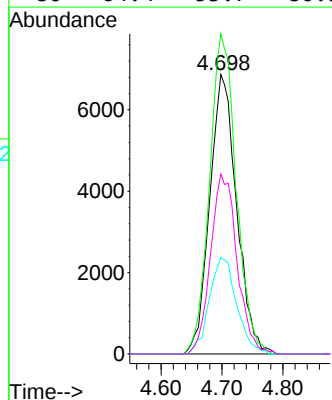
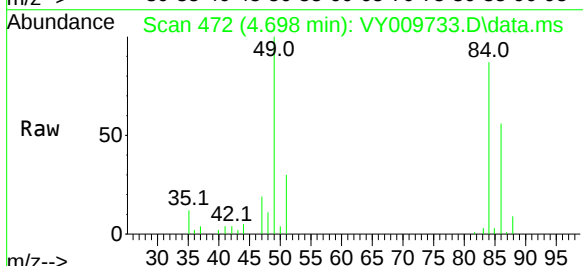
Ion Ratio Lower Upper

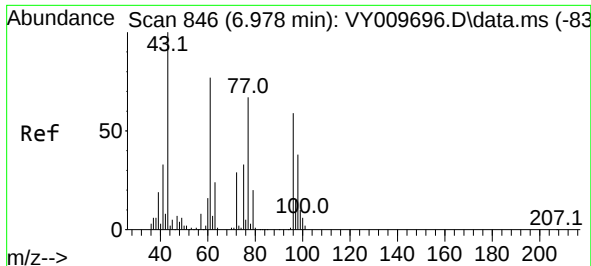
84 100

49 114.5 114.4 171.6

51 34.5 35.3 52.9#

86 64.4 53.7 80.5

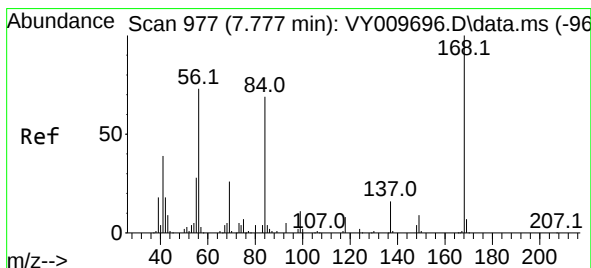
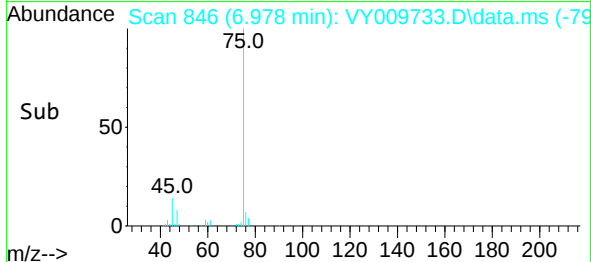
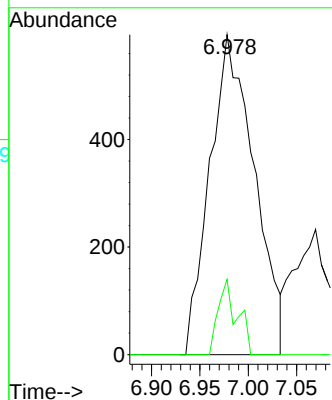
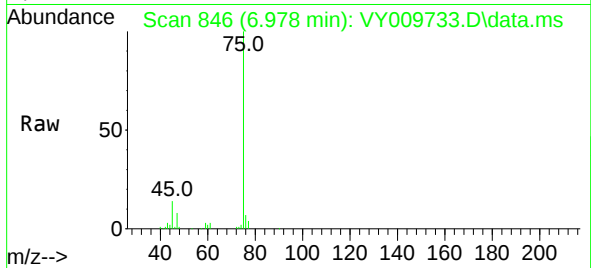




#25
2-Butanone
Concen: 2.455 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY009733.D
Acq: 27 Jul 2022 18:36

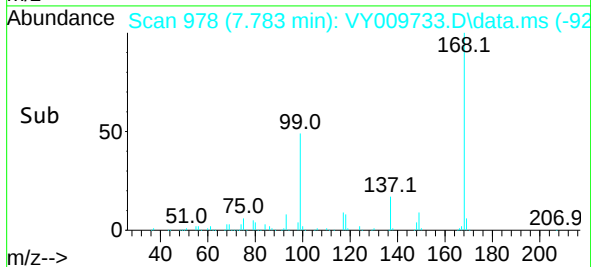
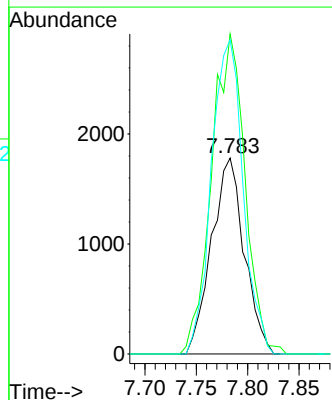
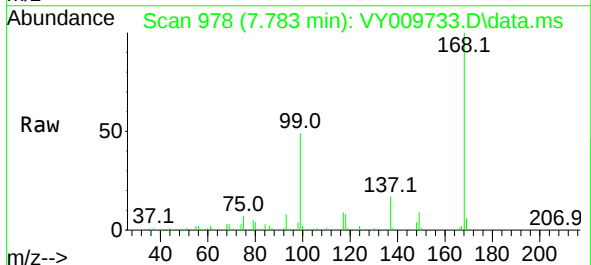
Instrument :
MSVOA_Y
ClientSampleId :
RVE-8

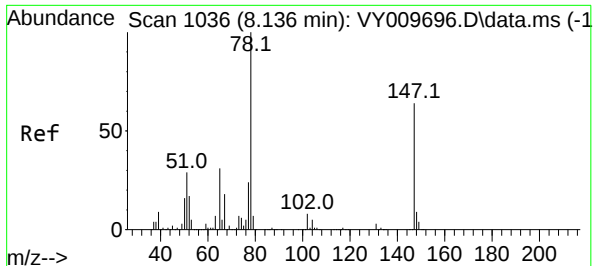
Tgt Ion: 43 Resp: 1907
Ion Ratio Lower Upper
43 100
72 23.5 17.7 26.5



#31
Cyclohexane
Concen: 1.127 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY009733.D
Acq: 27 Jul 2022 18:36

Tgt Ion: 56 Resp: 3949
Ion Ratio Lower Upper
56 100
69 163.3 26.7 40.1#
84 160.4 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 65.132 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY009733.D

Acq: 27 Jul 2022 18:36

Instrument :

MSVOA_Y

ClientSampleId :

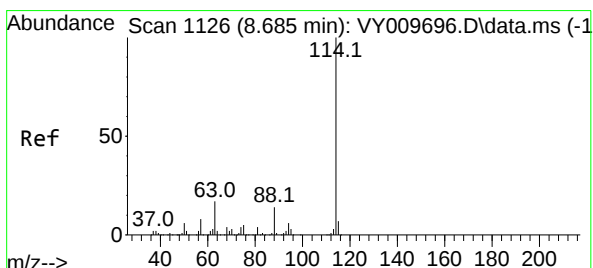
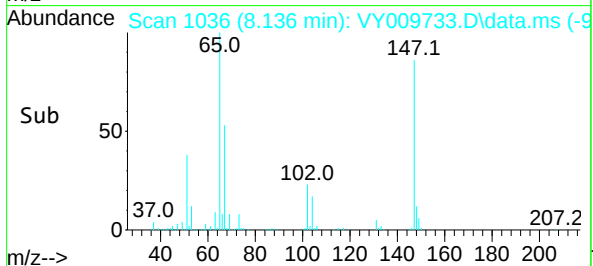
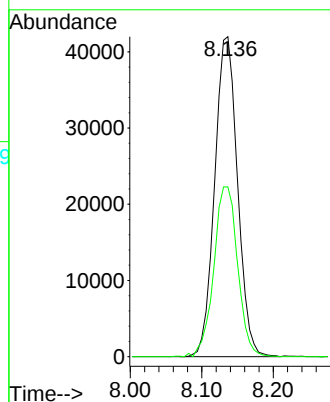
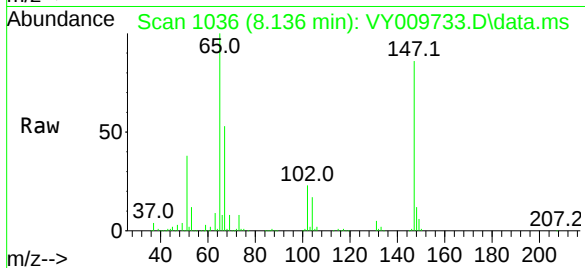
RVE-8

Tgt Ion: 65 Resp: 93188

Ion Ratio Lower Upper

65 100

67 55.5 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: VY009733.D

Acq: 27 Jul 2022 18:36

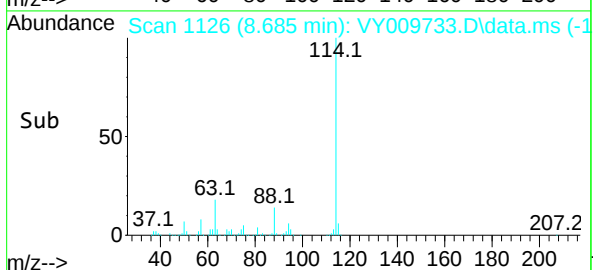
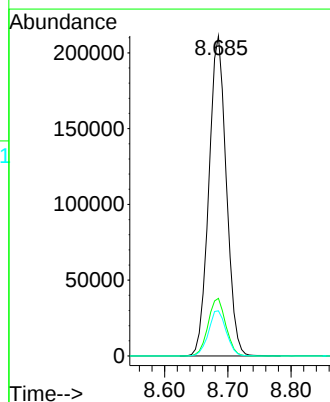
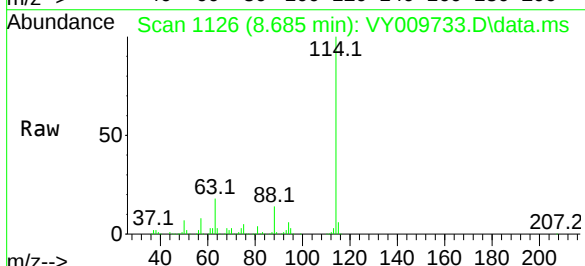
Tgt Ion: 114 Resp: 404036

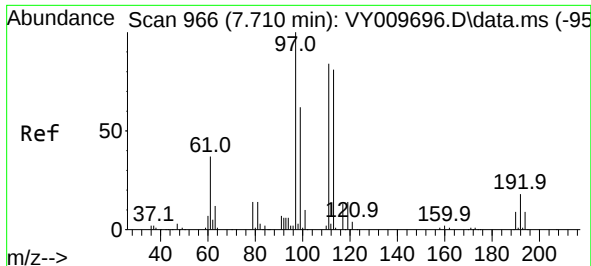
Ion Ratio Lower Upper

114 100

63 18.0 0.0 43.2

88 14.1 0.0 31.8

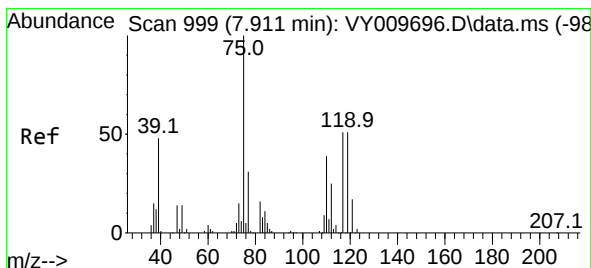
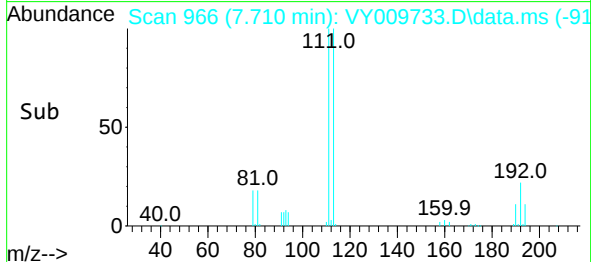
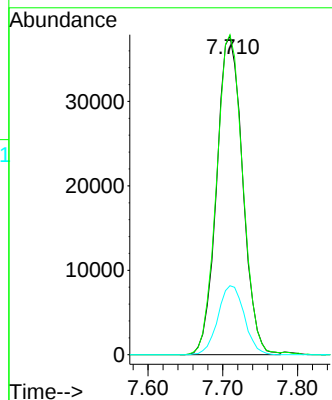
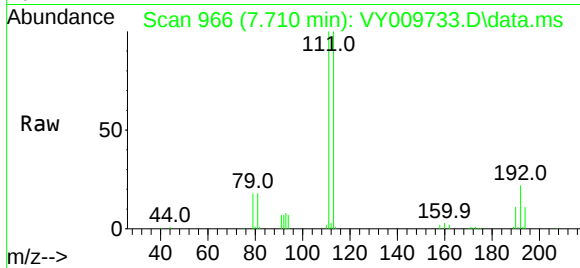




#35
Dibromofluoromethane
Concen: 41.522 ug/l
RT: 7.710 min Scan# 912
Delta R.T. -0.000 min
Lab File: VY009733.D
Acq: 27 Jul 2022 18:36

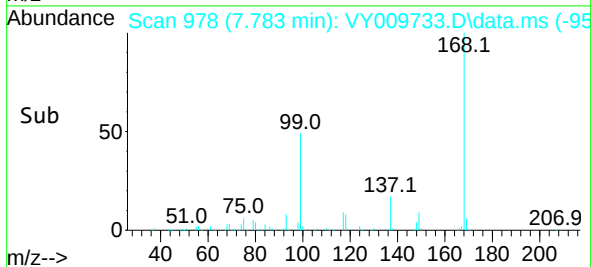
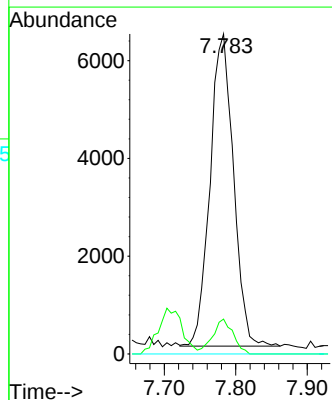
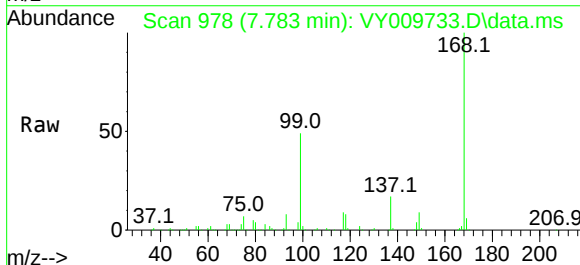
Instrument :
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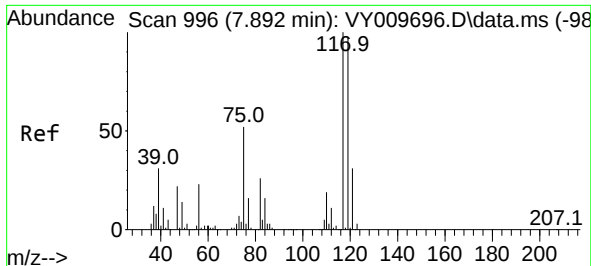
Tgt Ion:113 Resp: 91243
Ion Ratio Lower Upper
113 100
111 101.4 82.6 124.0
192 21.9 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.064 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY009733.D
Acq: 27 Jul 2022 18:36

Tgt Ion: 75 Resp: 14531
Ion Ratio Lower Upper
75 100
110 9.8 17.1 51.2#
77 0.0 24.4 36.6#

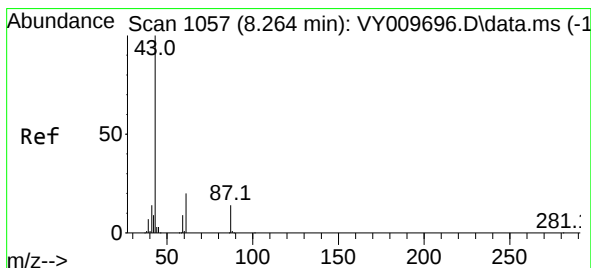
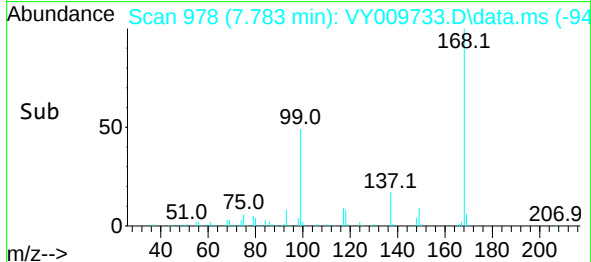
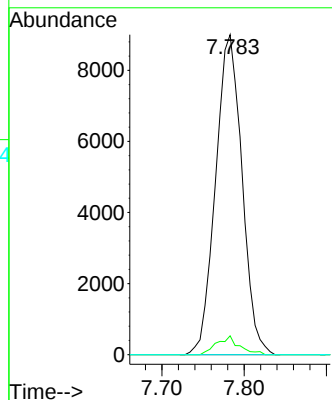
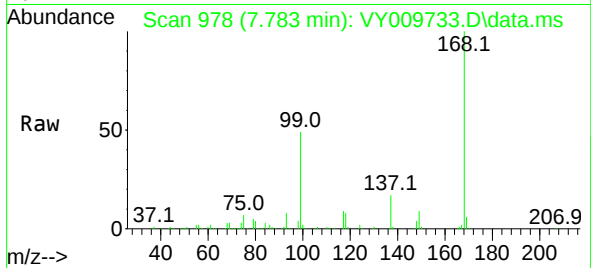




#38
Carbon Tetrachloride
Concen: 5.251 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY009733.D
Acq: 27 Jul 2022 18:36

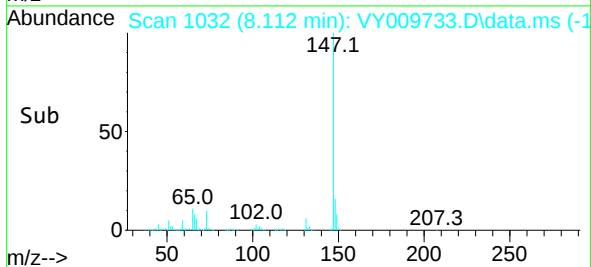
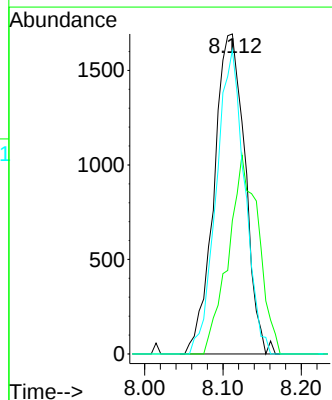
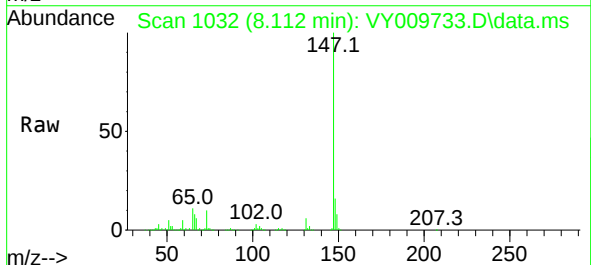
Instrument :
MSVOA_Y
ClientSampleId :
RVE-8

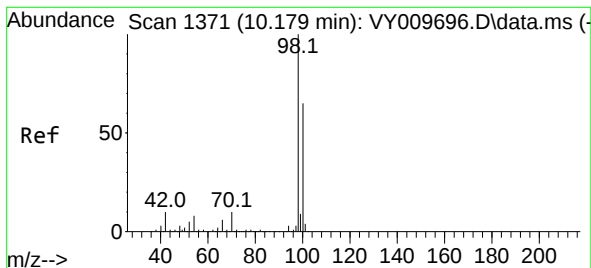
Tgt Ion:117 Resp: 20119
Ion Ratio Lower Upper
117 100
119 5.9 77.9 116.9#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 1.256 ug/l
RT: 8.112 min Scan# 1032
Delta R.T. -0.152 min
Lab File: VY009733.D
Acq: 27 Jul 2022 18:36

Tgt Ion: 43 Resp: 4649
Ion Ratio Lower Upper
43 100
61 60.3 20.2 30.2#
87 86.9 8.9 13.3#

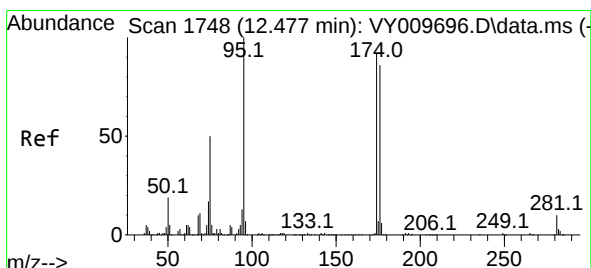
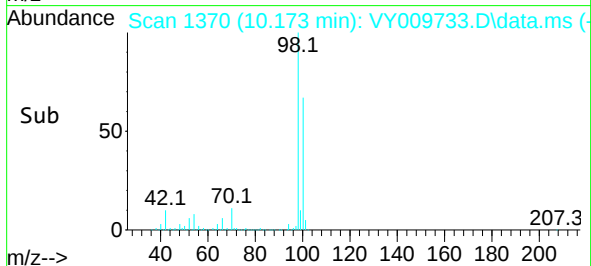
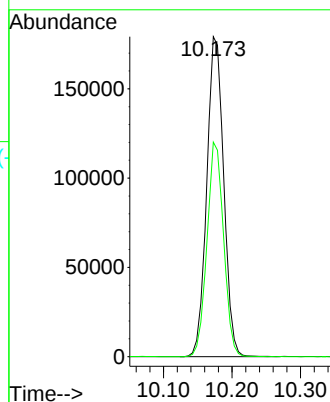
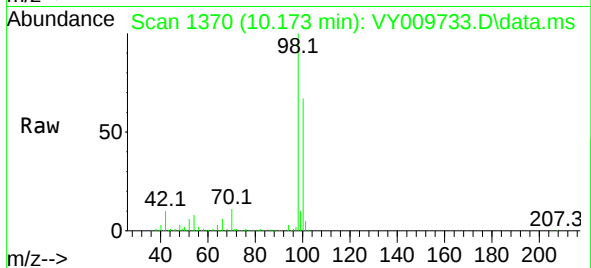




#50
Toluene-d8
Concen: 48.008 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY009733.D
Acq: 27 Jul 2022 18:36

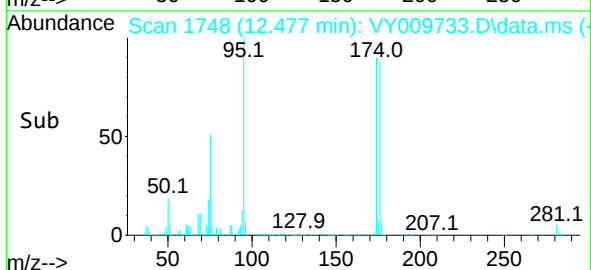
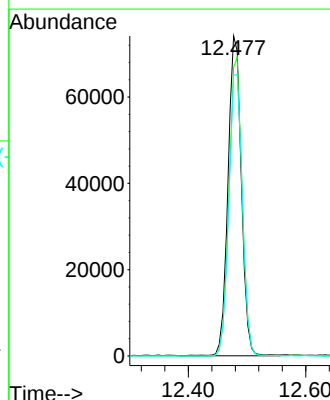
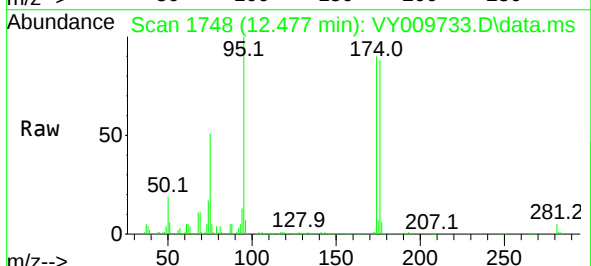
Instrument :
MSVOA_Y
ClientSampleId :
RVE-8

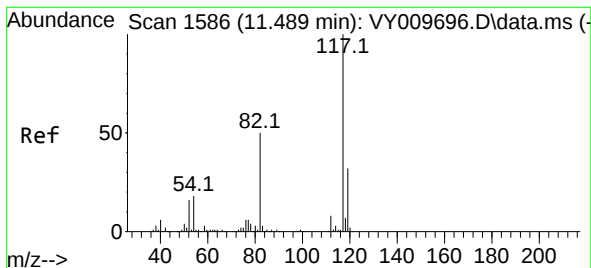
Tgt Ion: 98 Resp: 308323
Ion Ratio Lower Upper
98 100
100 65.8 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 40.061 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009733.D
Acq: 27 Jul 2022 18:36

Tgt Ion: 95 Resp: 116730
Ion Ratio Lower Upper
95 100
174 92.5 0.0 177.0
176 89.3 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 117

Delta R.T. 0.000 min

Lab File: VY009733.D

Acq: 27 Jul 2022 18:36

Instrument :

MSVOA_Y

ClientSampleId :

RVE-8

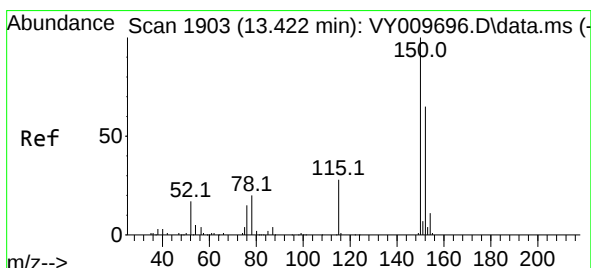
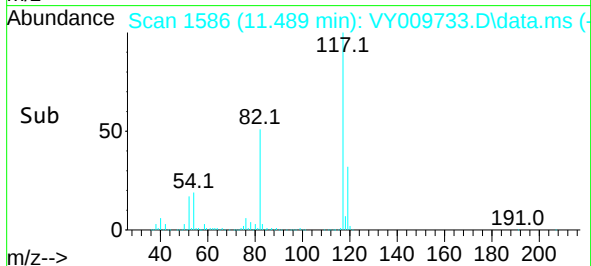
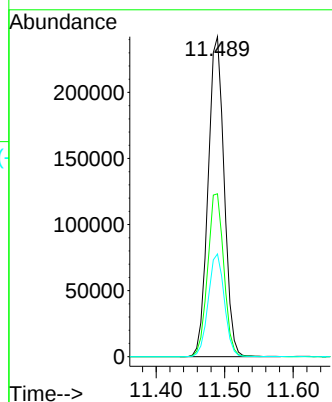
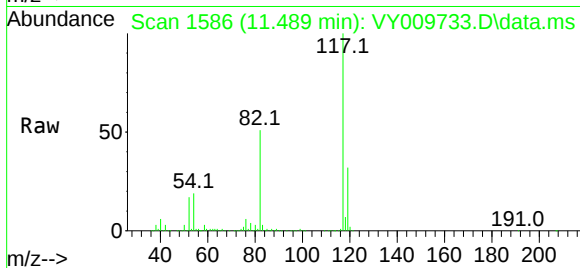
Tgt Ion:117 Resp: 394671

Ion Ratio Lower Upper

117 100

82 50.9 43.0 64.4

119 32.1 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: VY009733.D

Acq: 27 Jul 2022 18:36

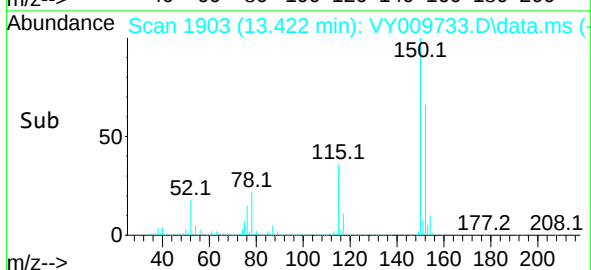
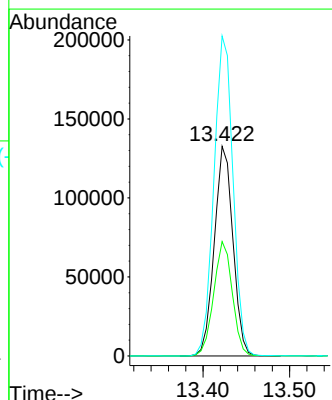
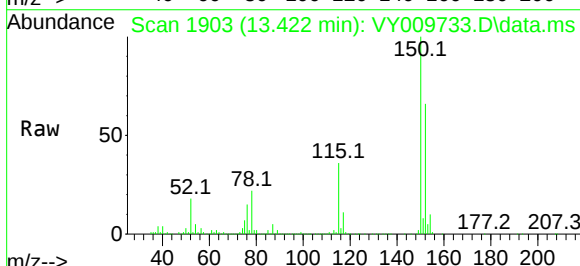
Tgt Ion:152 Resp: 198283

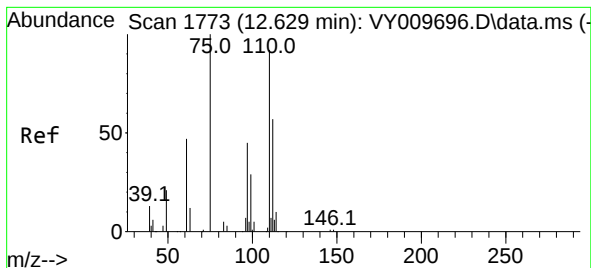
Ion Ratio Lower Upper

152 100

115 54.7 28.2 84.7

150 156.5 0.0 347.6





#76

1,2,3-Trichloropropane

Concen: 31.717 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY009733.D

Acq: 27 Jul 2022 18:36

Instrument :

MSVOA_Y

ClientSampleId :

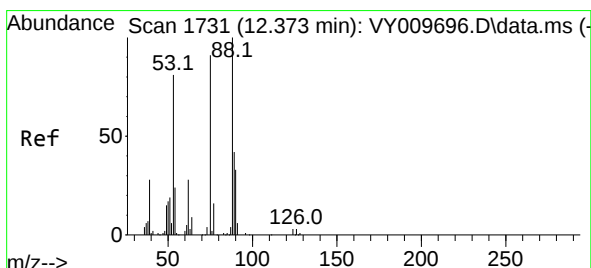
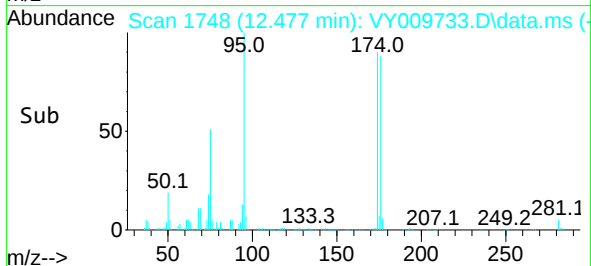
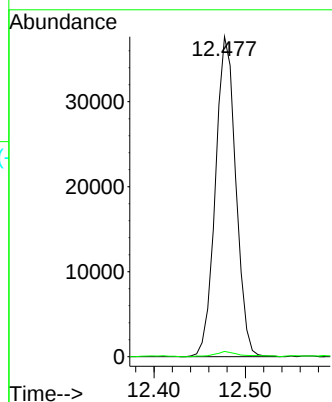
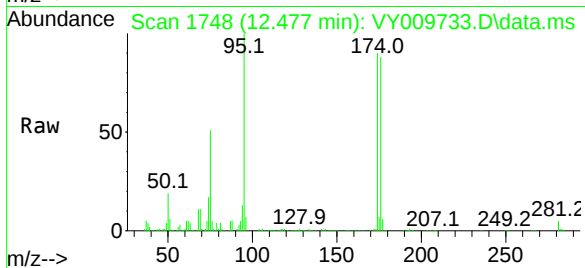
RVE-8

Tgt Ion: 75 Resp: 58415

Ion Ratio Lower Upper

75 100

77 2.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.221 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.104 min

Lab File: VY009733.D

Acq: 27 Jul 2022 18:36

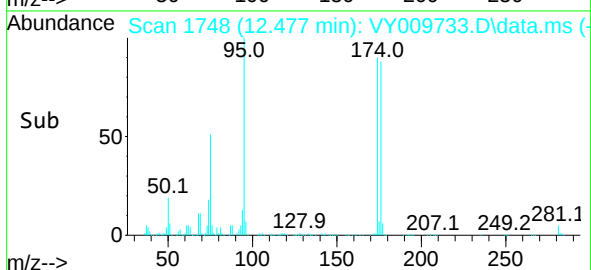
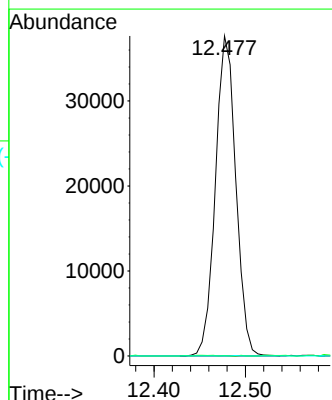
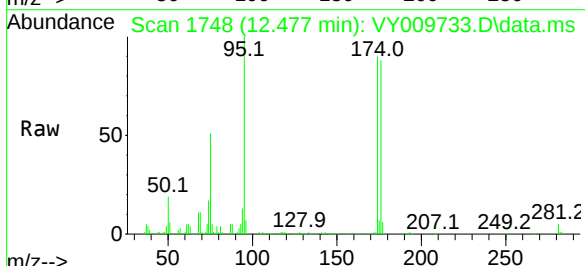
Tgt Ion: 75 Resp: 58415

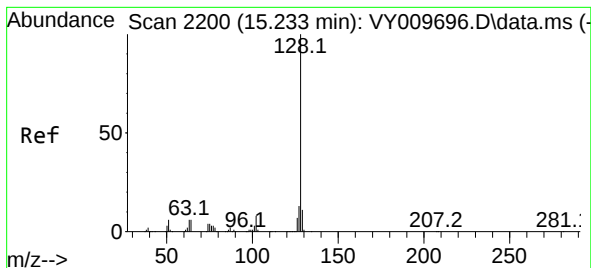
Ion Ratio Lower Upper

75 100

53 0.1 85.3 127.9#

89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 1.242 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY009733.D

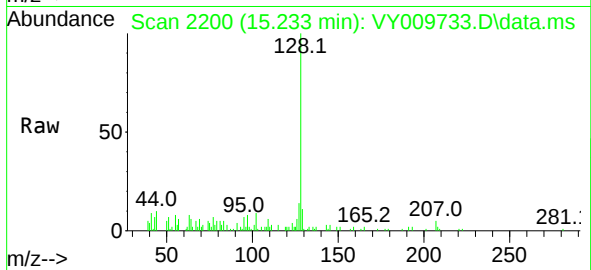
Acq: 27 Jul 2022 18:36

Instrument :

MSVOA_Y

ClientSampleId :

RVE-8



Tgt Ion:128 Resp: 8672

Ion Ratio Lower Upper

128 100

127 15.4 11.0 16.4

129 18.1 8.4 12.6#

