

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080422\
 Data File : VY009833.D
 Acq On : 04 Aug 2022 15:34
 Operator : KP/MD
 Sample : N3961-05RE
 Misc : 3.24g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RVE-172

Quant Time: Aug 05 01:43:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080322S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 04 02:27:45 2022
 Response via : Initial Calibration

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

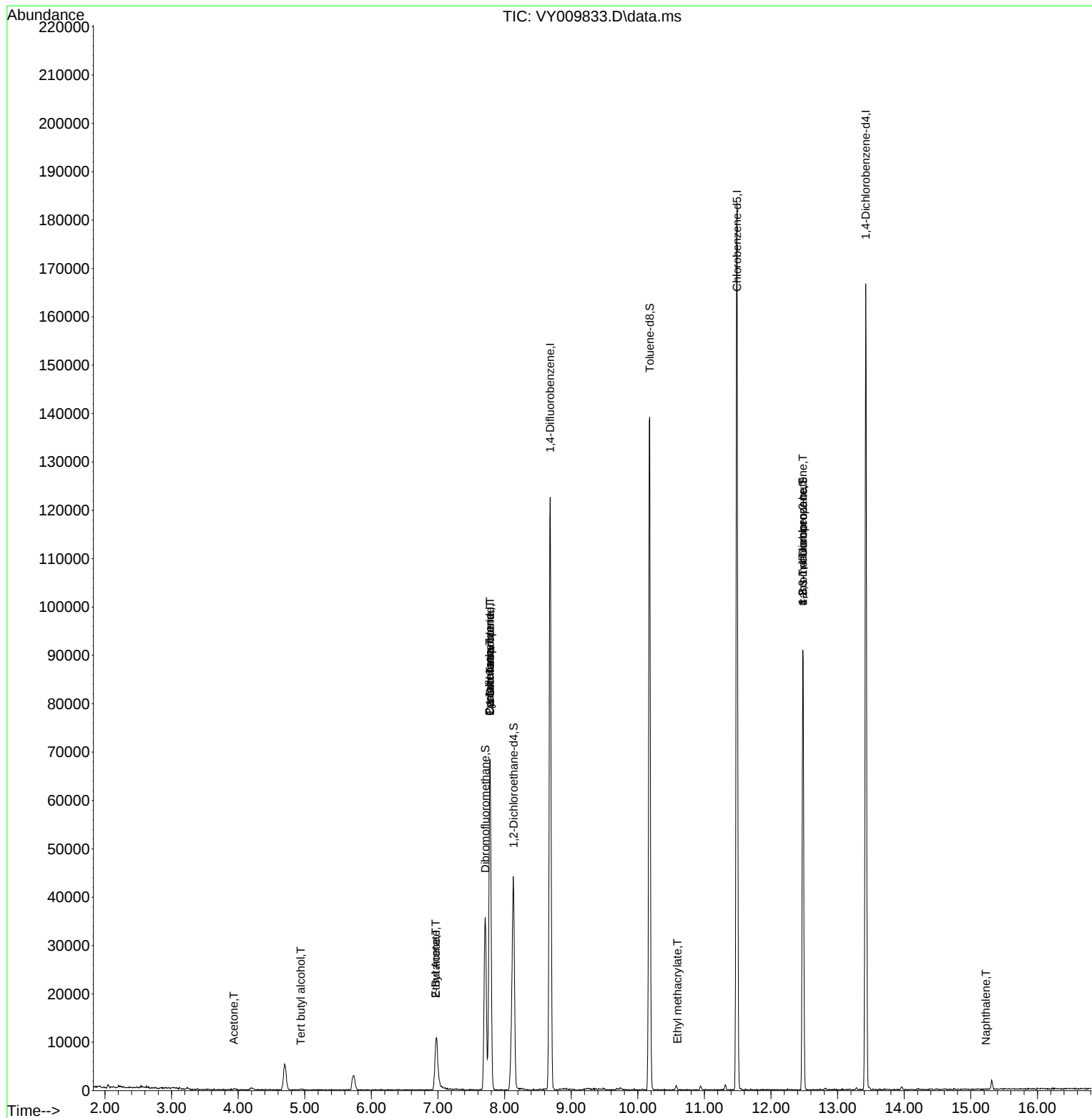
Internal Standards						
1) Pentafluorobenzene	7.777	168	53003	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	103603	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	96240	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	41362	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	28209	66.778	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 133.560%			
35) Dibromofluoromethane	7.710	113	25786	40.821	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 81.640%			
50) Toluene-d8	10.179	98	88951	47.639	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery = 95.280%			
62) 4-Bromofluorobenzene	12.477	95	26771	31.297	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery = 62.600%			
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.894	85	198	Below Cal #		42
11) Tert butyl alcohol	4.942	59	179	3.181 ug/l #		78
16) Acetone	3.936	43	447	2.979 ug/l		89
20) Methylene Chloride	4.698	84	3835	Below Cal #		89
25) 2-Butanone	6.966	43	773	3.150 ug/l #		53
31) Cyclohexane	7.777	56	1161	1.158 ug/l #		1
36) 1,1-Dichloropropene	7.783	75	4346	4.147 ug/l #		50
37) Ethyl Acetate	6.966	43	773	1.132 ug/l #		1
38) Carbon Tetrachloride	7.783	117	5236	4.751 ug/l #		15
56) Ethyl methacrylate	10.593	69	20	2.967 ug/l #		21
76) 1,2,3-Trichloropropane	12.477	75	13974	29.534 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.477	75	13974	63.386 ug/l #		12
95) Naphthalene	15.227	128	61	5.453 ug/l #		69

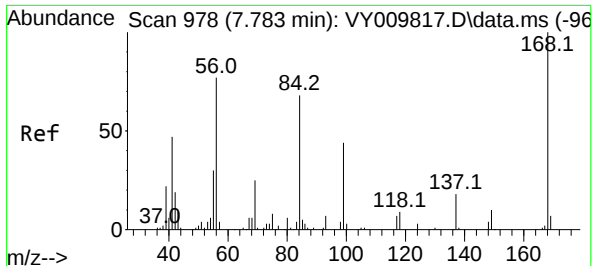
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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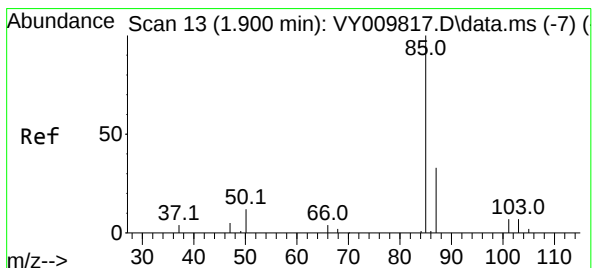
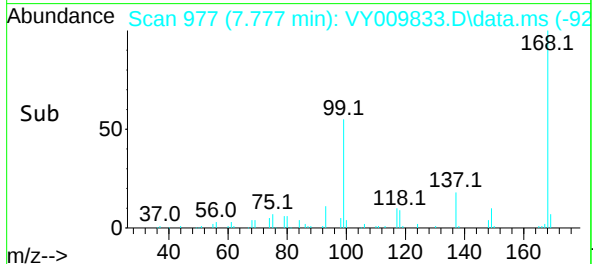
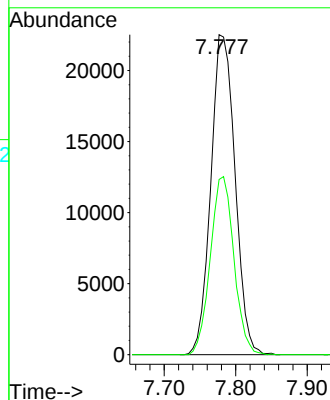
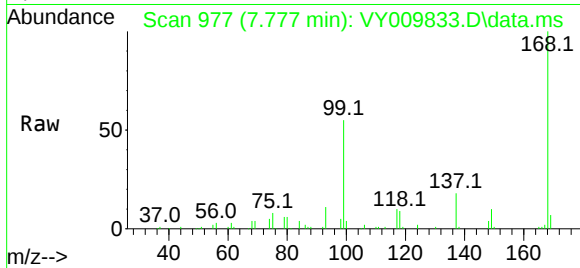




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY009833.D
Acq: 04 Aug 2022 15:34

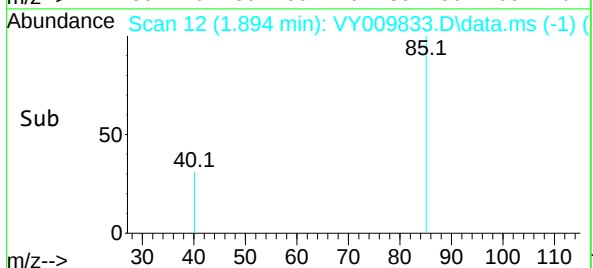
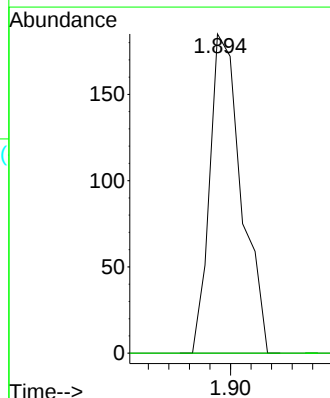
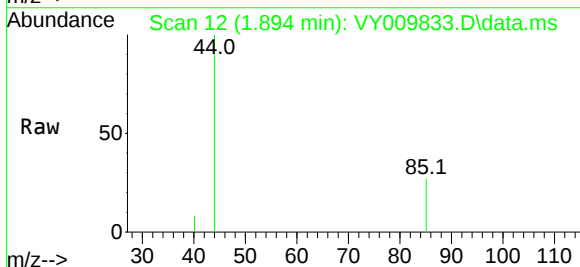
Instrument :
MSVOA_Y
ClientSampleId :
RVE-172

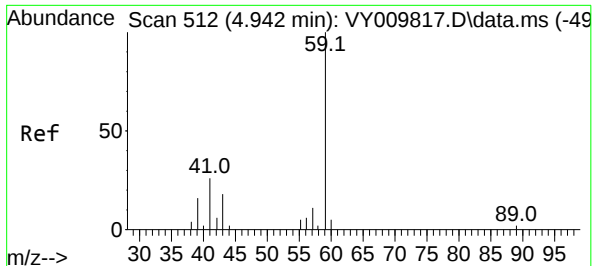
Tgt Ion:168 Resp: 53003
Ion Ratio Lower Upper
168 100
99 54.8 44.7 67.1



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.894 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY009833.D
Acq: 04 Aug 2022 15:34

Tgt Ion: 85 Resp: 198
Ion Ratio Lower Upper
85 100
87 0.0 16.4 49.2#





#11

Tert butyl alcohol

Concen: 3.181 ug/l

RT: 4.942 min Scan# 512

Delta R.T. -0.000 min

Lab File: VY009833.D

Acq: 04 Aug 2022 15:34

Instrument :

MSVOA_Y

ClientSampleId :

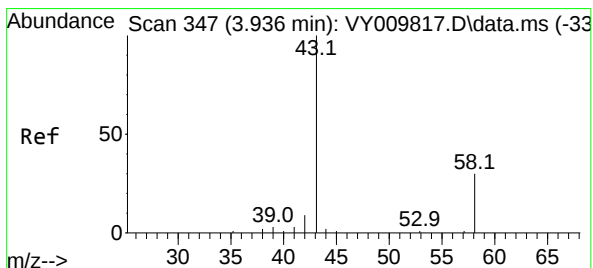
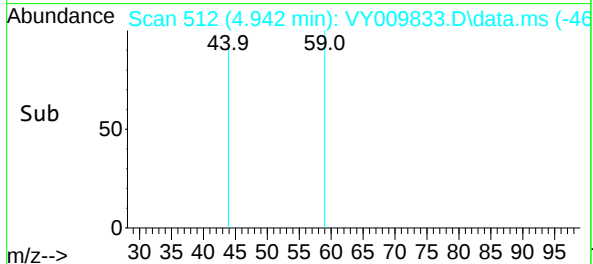
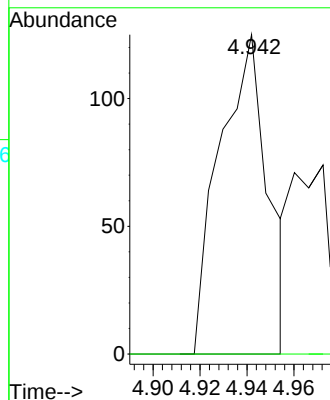
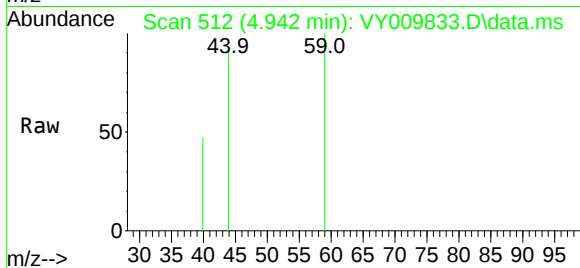
RVE-172

Tgt Ion: 59 Resp: 179

Ion Ratio Lower Upper

59 100

57 0.0 6.2 9.2#



#16

Acetone

Concen: 2.979 ug/l

RT: 3.936 min Scan# 347

Delta R.T. -0.000 min

Lab File: VY009833.D

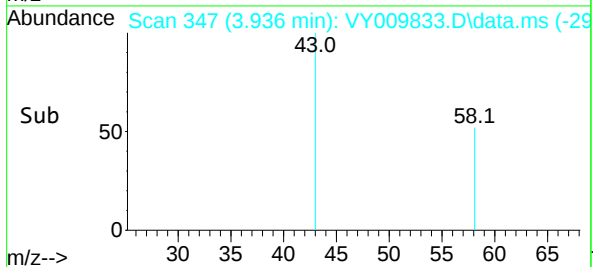
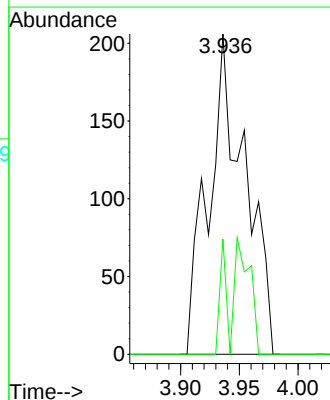
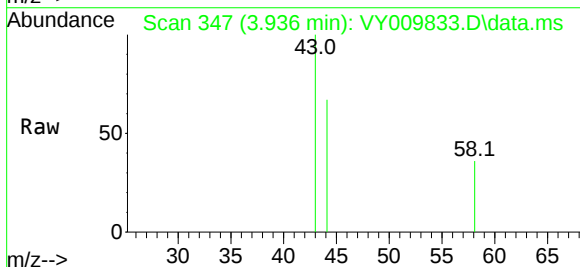
Acq: 04 Aug 2022 15:34

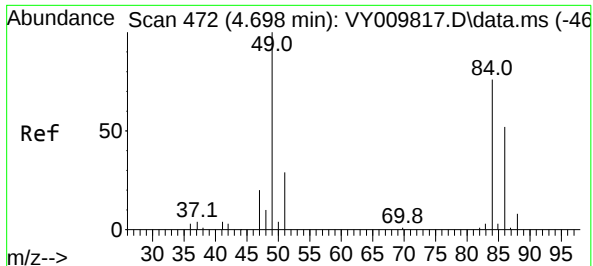
Tgt Ion: 43 Resp: 447

Ion Ratio Lower Upper

43 100

58 35.9 24.1 36.1





#20

Methylene Chloride

Concen: Below Cal

RT: 4.698 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY009833.D

Acq: 04 Aug 2022 15:34

Instrument :

MSVOA_Y

ClientSampleId :

RVE-172

Tgt Ion: 84 Resp: 3835

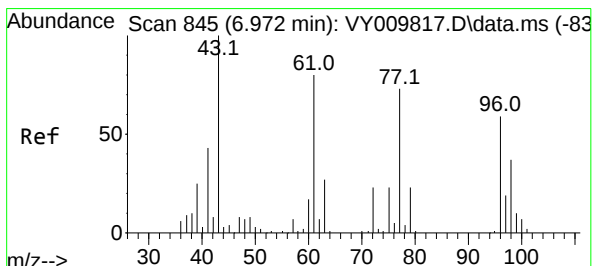
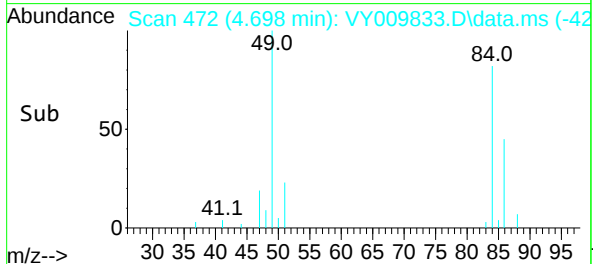
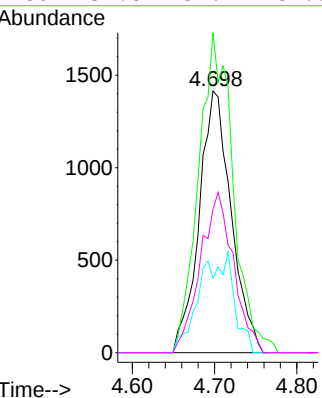
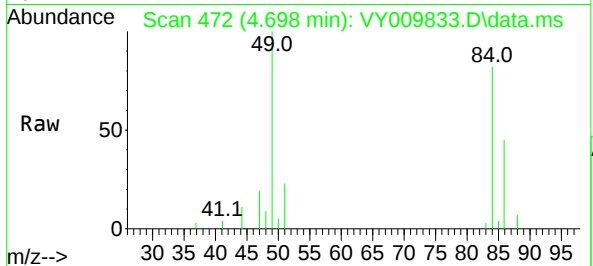
Ion Ratio Lower Upper

84 100

49 122.3 104.6 156.8

51 28.4 30.9 46.3#

86 54.8 54.4 81.6



#25

2-Butanone

Concen: 3.150 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.006 min

Lab File: VY009833.D

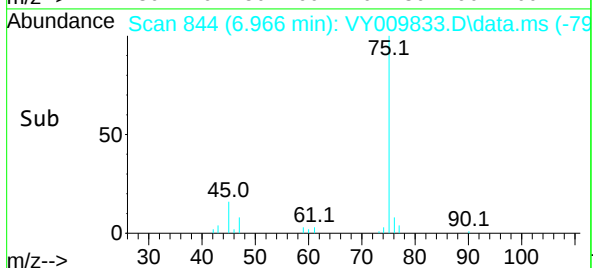
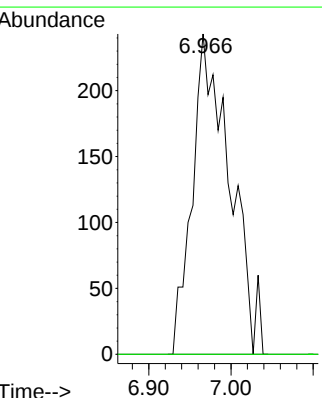
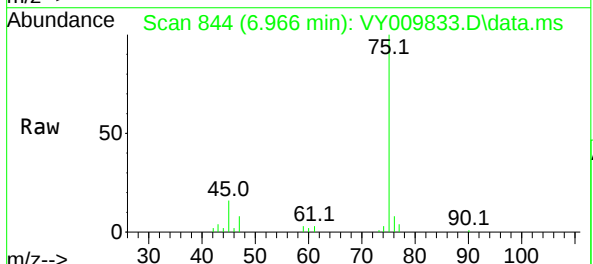
Acq: 04 Aug 2022 15:34

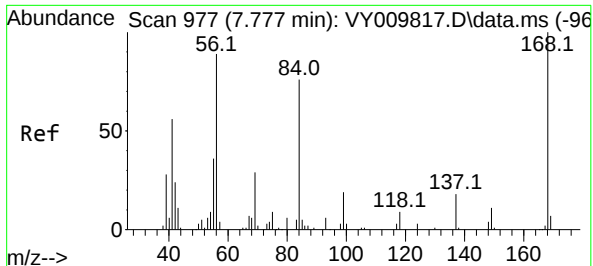
Tgt Ion: 43 Resp: 773

Ion Ratio Lower Upper

43 100

72 0.0 18.2 27.4#

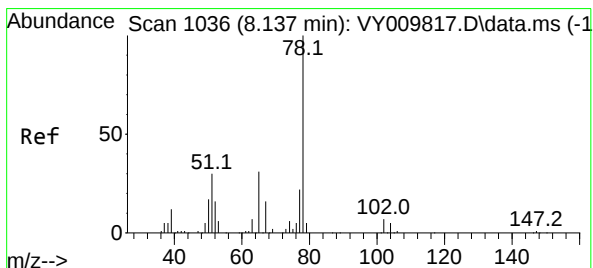
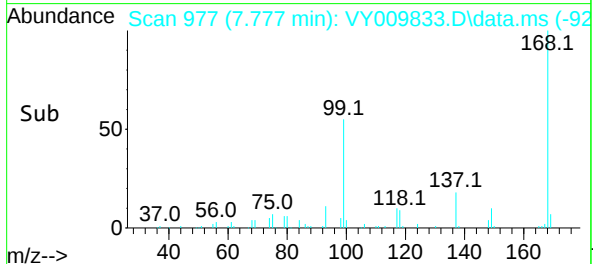
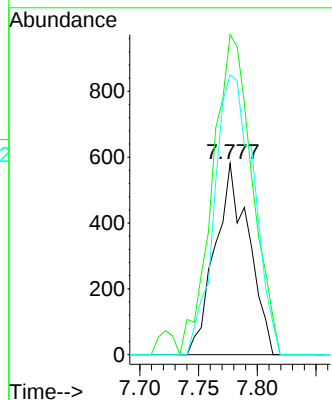
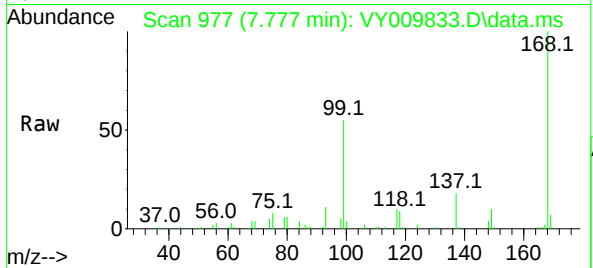




#31
Cyclohexane
Concen: 1.158 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009833.D
Acq: 04 Aug 2022 15:34

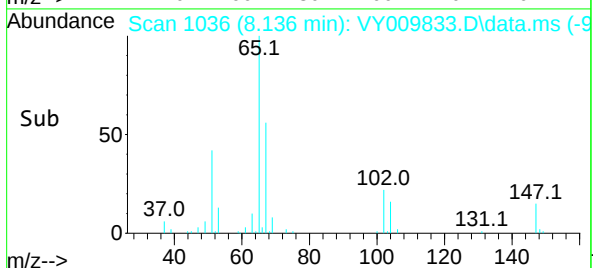
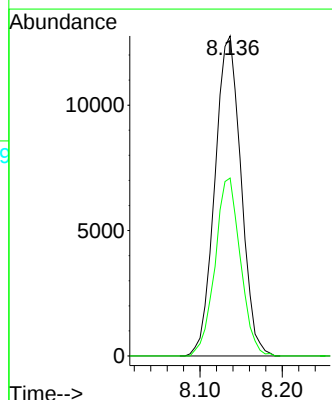
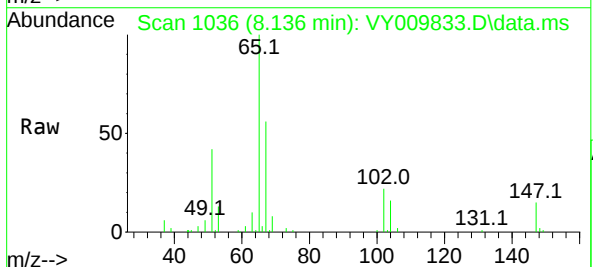
Instrument :
MSVOA_Y
ClientSampleId :
RVE-172

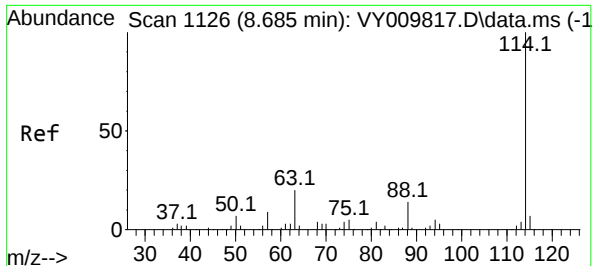
Tgt Ion: 56 Resp: 1161
Ion Ratio Lower Upper
56 100
69 167.3 25.8 38.8#
84 146.3 67.9 101.9#



#33
1,2-Dichloroethane-d4
Concen: 66.778 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY009833.D
Acq: 04 Aug 2022 15:34

Tgt Ion: 65 Resp: 28209
Ion Ratio Lower Upper
65 100
67 54.1 0.0 112.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009833.D

Acq: 04 Aug 2022 15:34

Instrument :

MSVOA_Y

ClientSampleId :

RVE-172

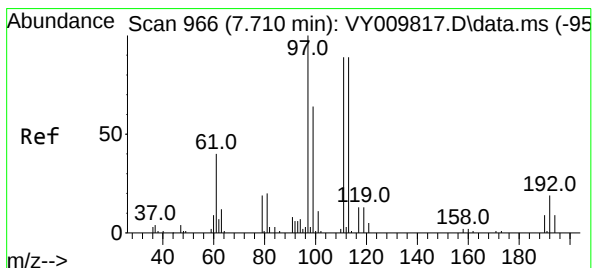
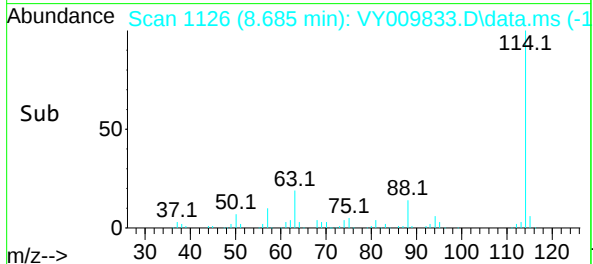
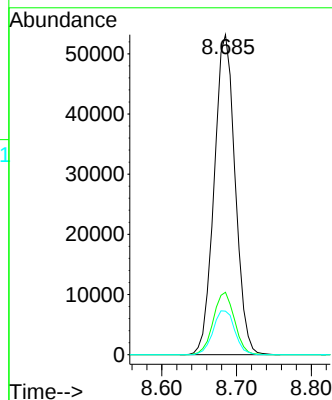
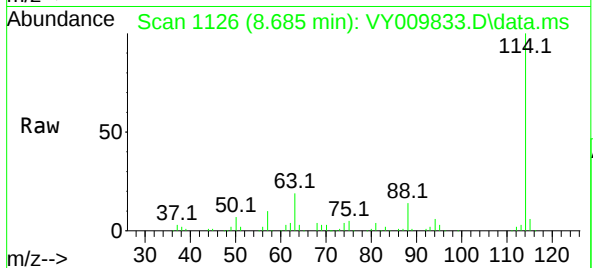
Tgt Ion:114 Resp: 103603

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.2

88 13.6 0.0 27.6



#35

Dibromofluoromethane

Concen: 40.821 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009833.D

Acq: 04 Aug 2022 15:34

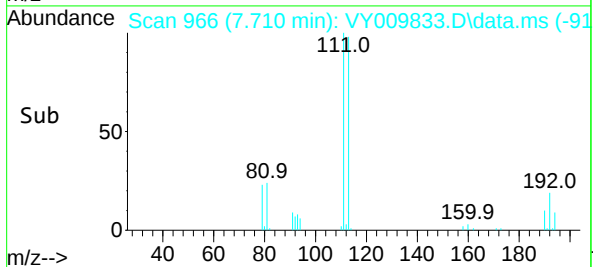
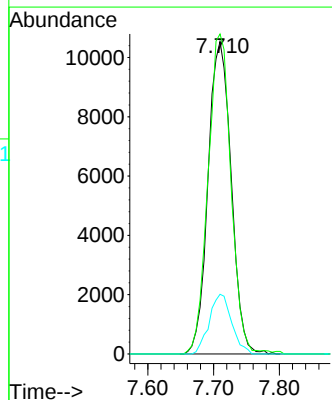
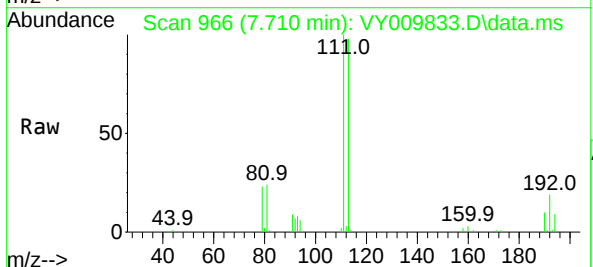
Tgt Ion:113 Resp: 25786

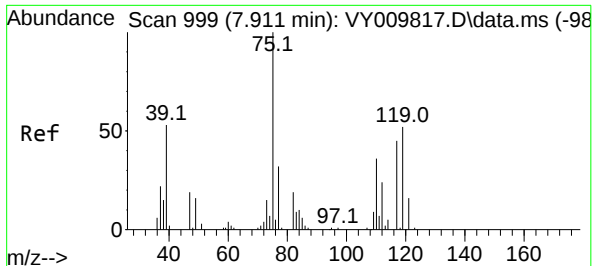
Ion Ratio Lower Upper

113 100

111 102.0 82.4 123.6

192 18.5 16.5 24.7





#36

1,1-Dichloropropene

Concen: 4.147 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY009833.D

Acq: 04 Aug 2022 15:34

Instrument :

MSVOA_Y

ClientSampleId :

RVE-172

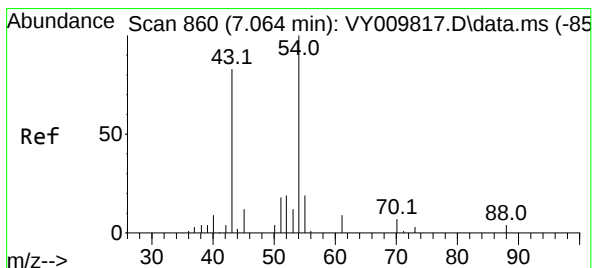
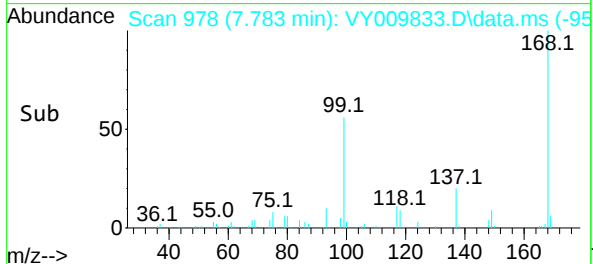
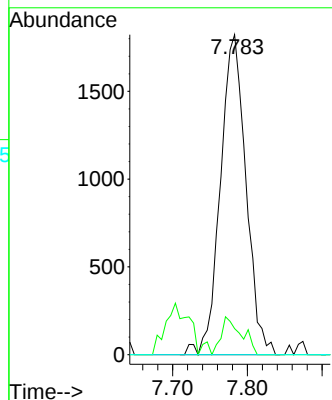
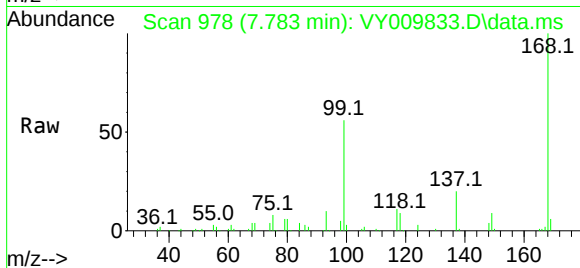
Tgt Ion: 75 Resp: 4346

Ion Ratio Lower Upper

75 100

110 9.3 17.8 53.4#

77 0.0 24.6 36.8#



#37

Ethyl Acetate

Concen: 1.132 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.098 min

Lab File: VY009833.D

Acq: 04 Aug 2022 15:34

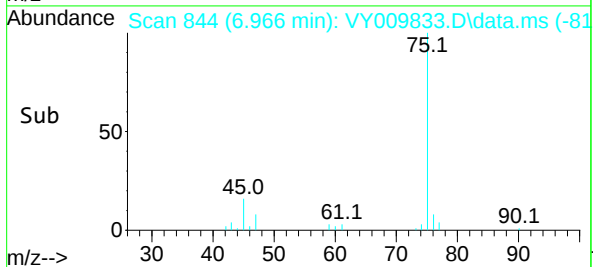
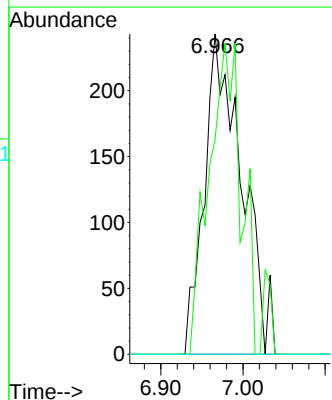
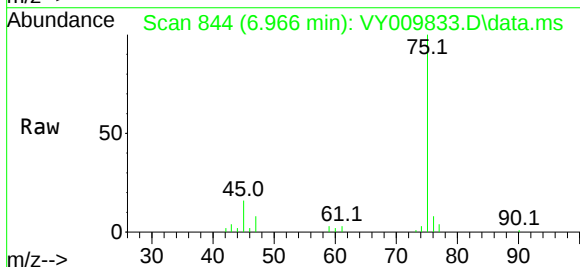
Tgt Ion: 43 Resp: 773

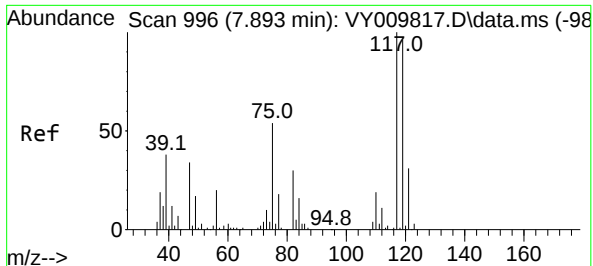
Ion Ratio Lower Upper

43 100

61 84.0 11.0 16.6#

70 0.0 7.0 10.6#

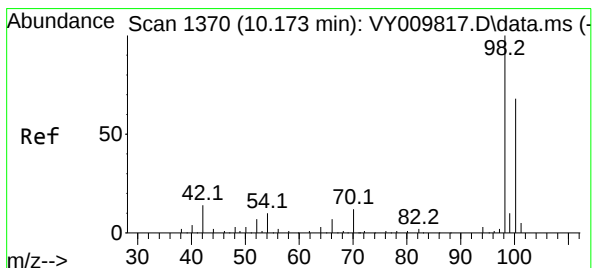
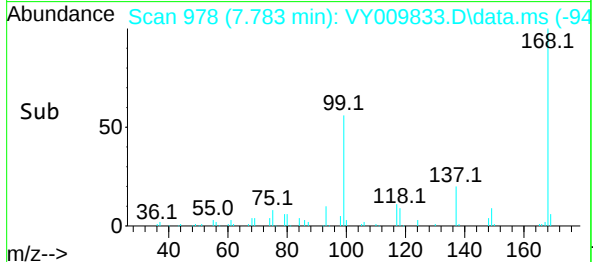
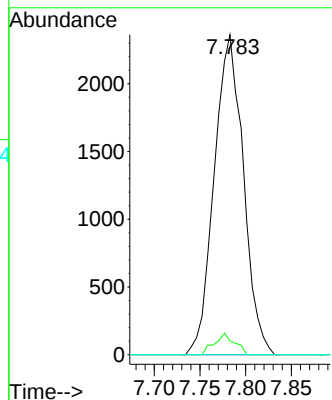
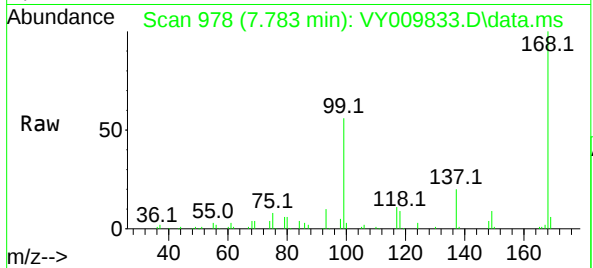




#38
Carbon Tetrachloride
Concen: 4.751 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY009833.D
Acq: 04 Aug 2022 15:34

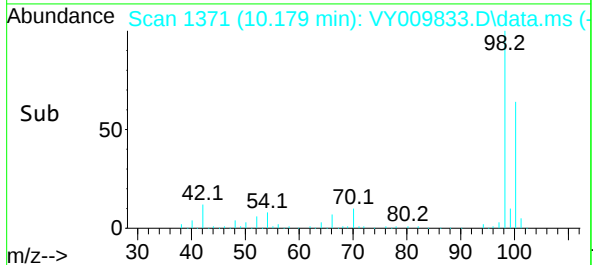
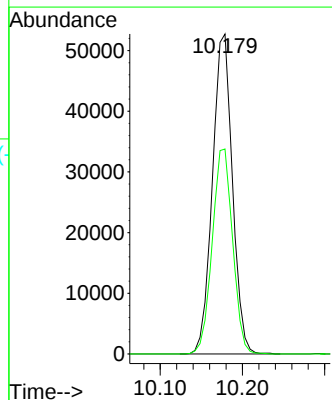
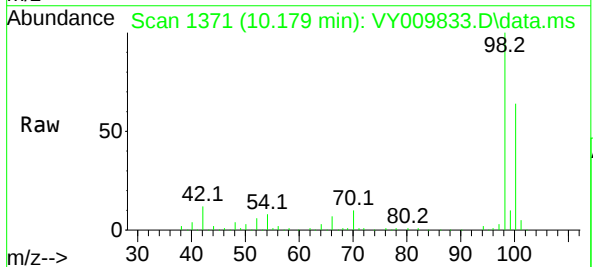
Instrument :
MSVOA_Y
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RVE-172

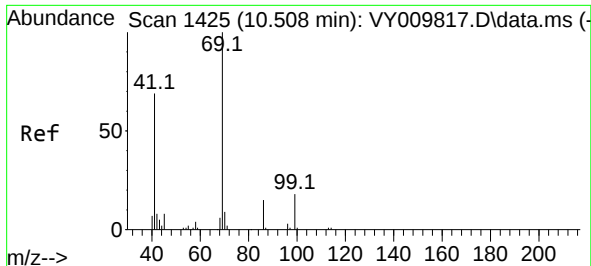
Tgt Ion:117 Resp: 5236
Ion Ratio Lower Upper
117 100
119 4.3 76.8 115.2#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 47.639 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY009833.D
Acq: 04 Aug 2022 15:34

Tgt Ion: 98 Resp: 88951
Ion Ratio Lower Upper
98 100
100 65.4 53.4 80.2

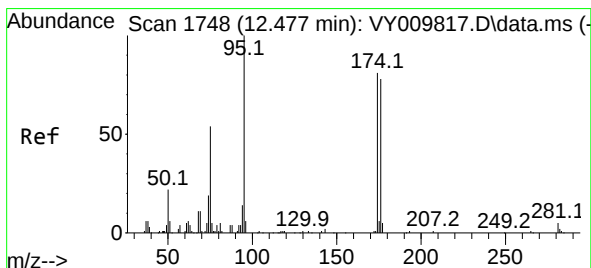
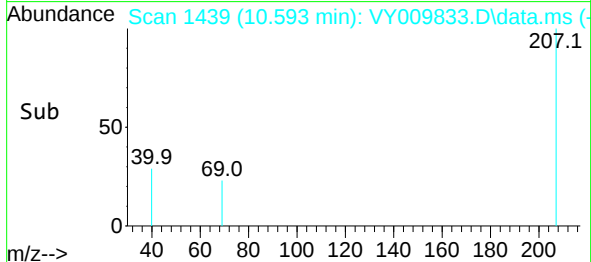
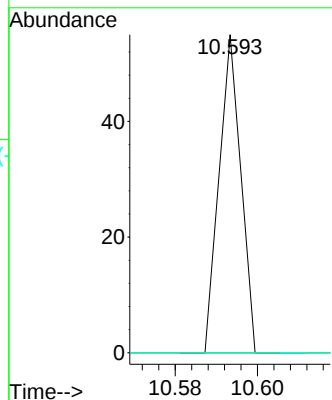
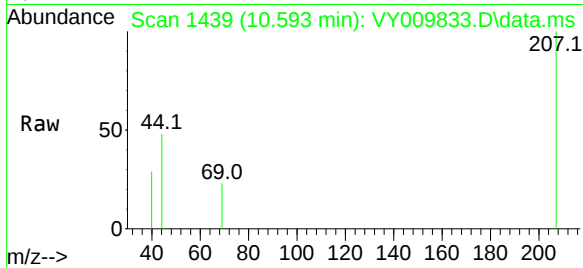




#56
Ethyl methacrylate
Concen: 2.967 ug/l
RT: 10.593 min Scan# 1425
Delta R.T. 0.085 min
Lab File: VY009833.D
Acq: 04 Aug 2022 15:34

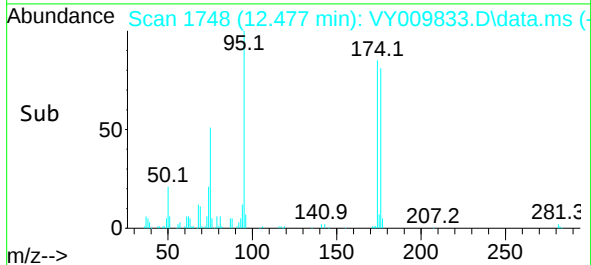
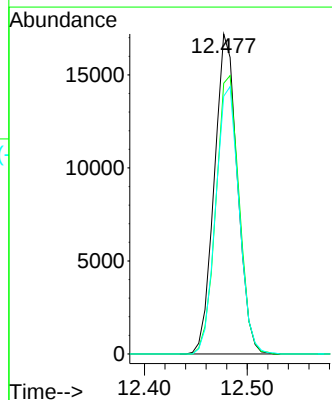
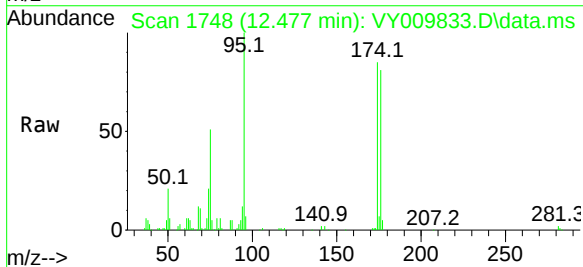
Instrument :
MSVOA_Y
ClientSampleId :
RVE-172

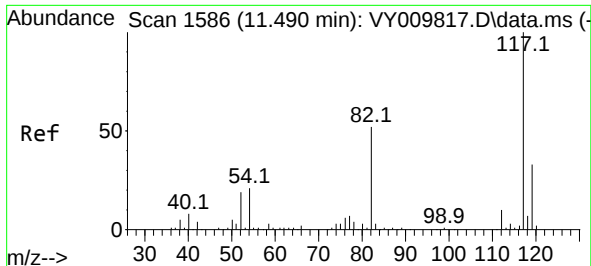
Tgt Ion: 69 Resp: 20
Ion Ratio Lower Upper
69 100
41 0.0 58.2 87.4#
39 0.0 33.8 50.8#



#62
4-Bromofluorobenzene
Concen: 31.297 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY009833.D
Acq: 04 Aug 2022 15:34

Tgt Ion: 95 Resp: 26771
Ion Ratio Lower Upper
95 100
174 87.4 0.0 168.6
176 84.6 0.0 163.6

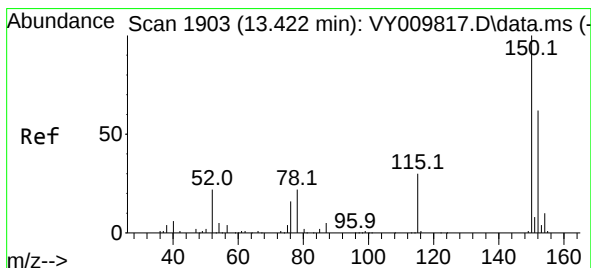
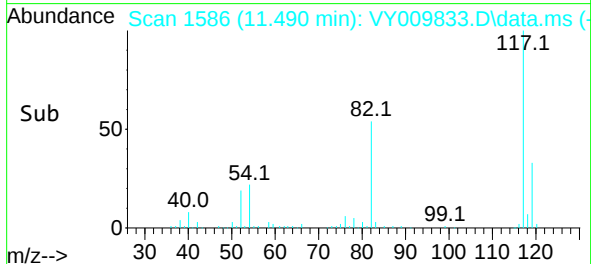
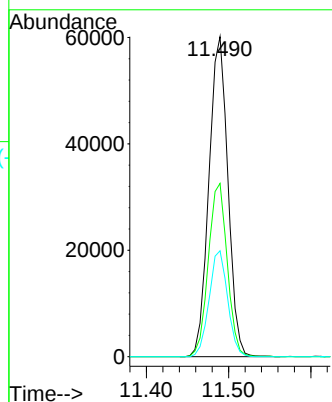
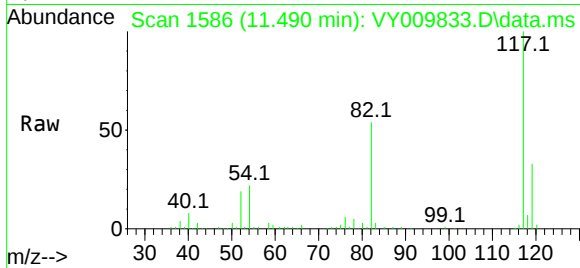




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY009833.D
Acq: 04 Aug 2022 15:34

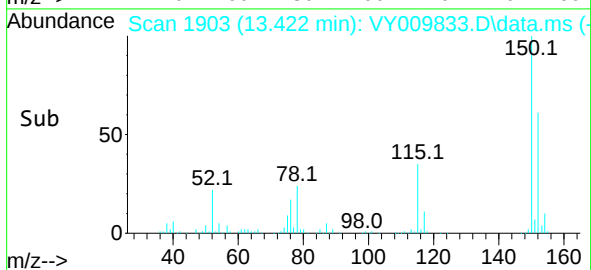
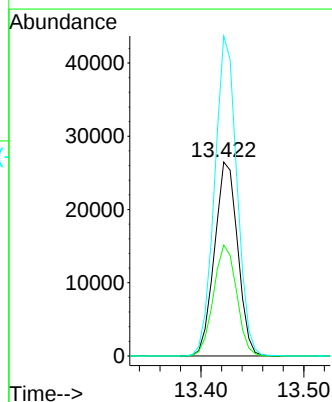
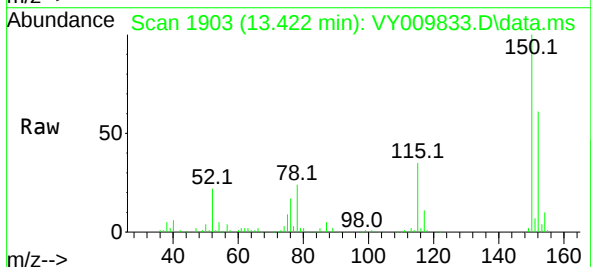
Instrument :
MSVOA_Y
ClientSampleId :
RVE-172

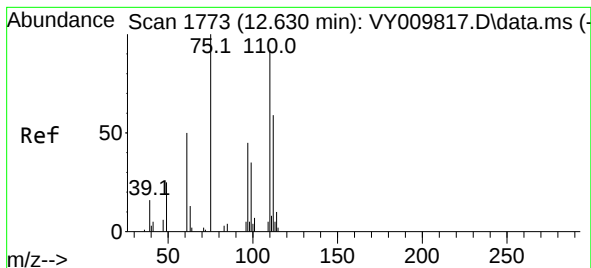
Tgt Ion:117 Resp: 96240
Ion Ratio Lower Upper
117 100
82 54.2 41.7 62.5
119 33.1 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY009833.D
Acq: 04 Aug 2022 15:34

Tgt Ion:152 Resp: 41362
Ion Ratio Lower Upper
152 100
115 57.0 28.9 86.7
150 158.8 0.0 354.2





#76

1,2,3-Trichloropropane

Concen: 29.534 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY009833.D

Acq: 04 Aug 2022 15:34

Instrument :

MSVOA_Y

ClientSampleId :

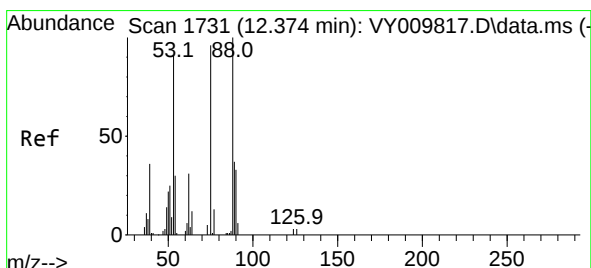
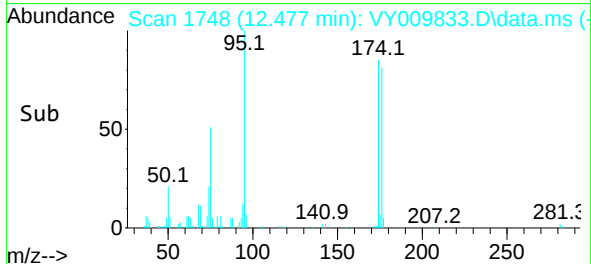
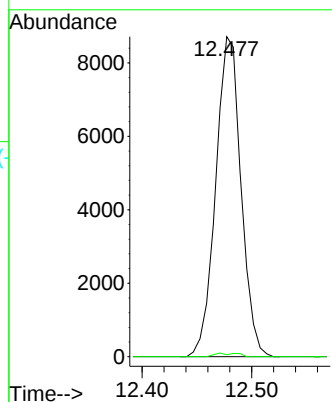
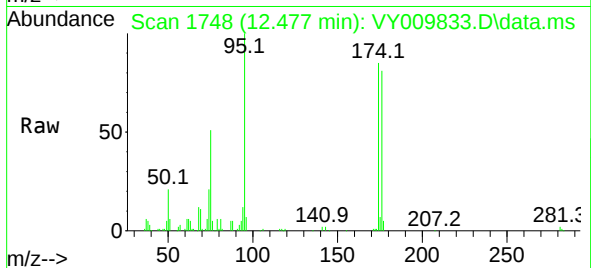
RVE-172

Tgt Ion: 75 Resp: 13974

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.386 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.104 min

Lab File: VY009833.D

Acq: 04 Aug 2022 15:34

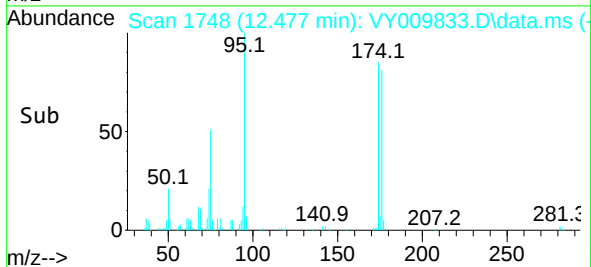
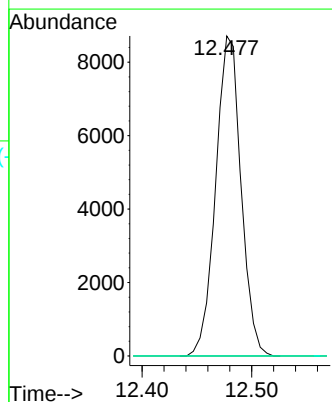
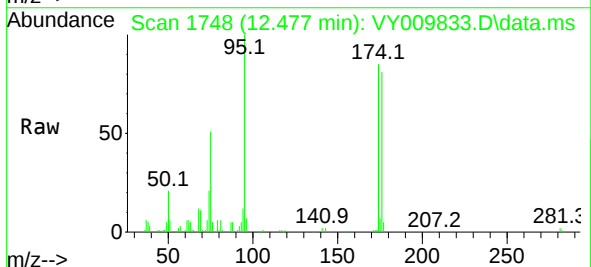
Tgt Ion: 75 Resp: 13974

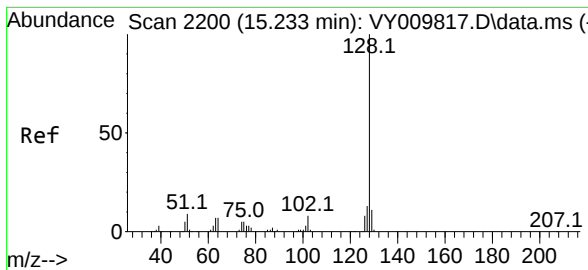
Ion Ratio Lower Upper

75 100

53 0.0 74.2 111.4#

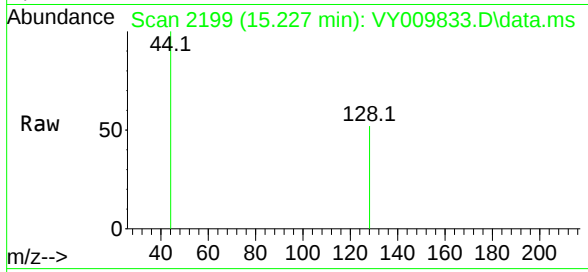
89 0.0 35.3 52.9#





#95
Naphthalene
Concen: 5.453 ug/l
RT: 15.227 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY009833.D
Acq: 04 Aug 2022 15:34

Instrument :
MSVOA_Y
ClientSampleId :
RVE-172



Tgt Ion:	128	Resp:	61
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	8.7	13.1#

