

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072722\
 Data File : VY009728.D
 Acq On : 27 Jul 2022 16:39
 Operator : KP/MD
 Sample : N3896-15
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RVE-72

Quant Time: Jul 28 02:46:16 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)

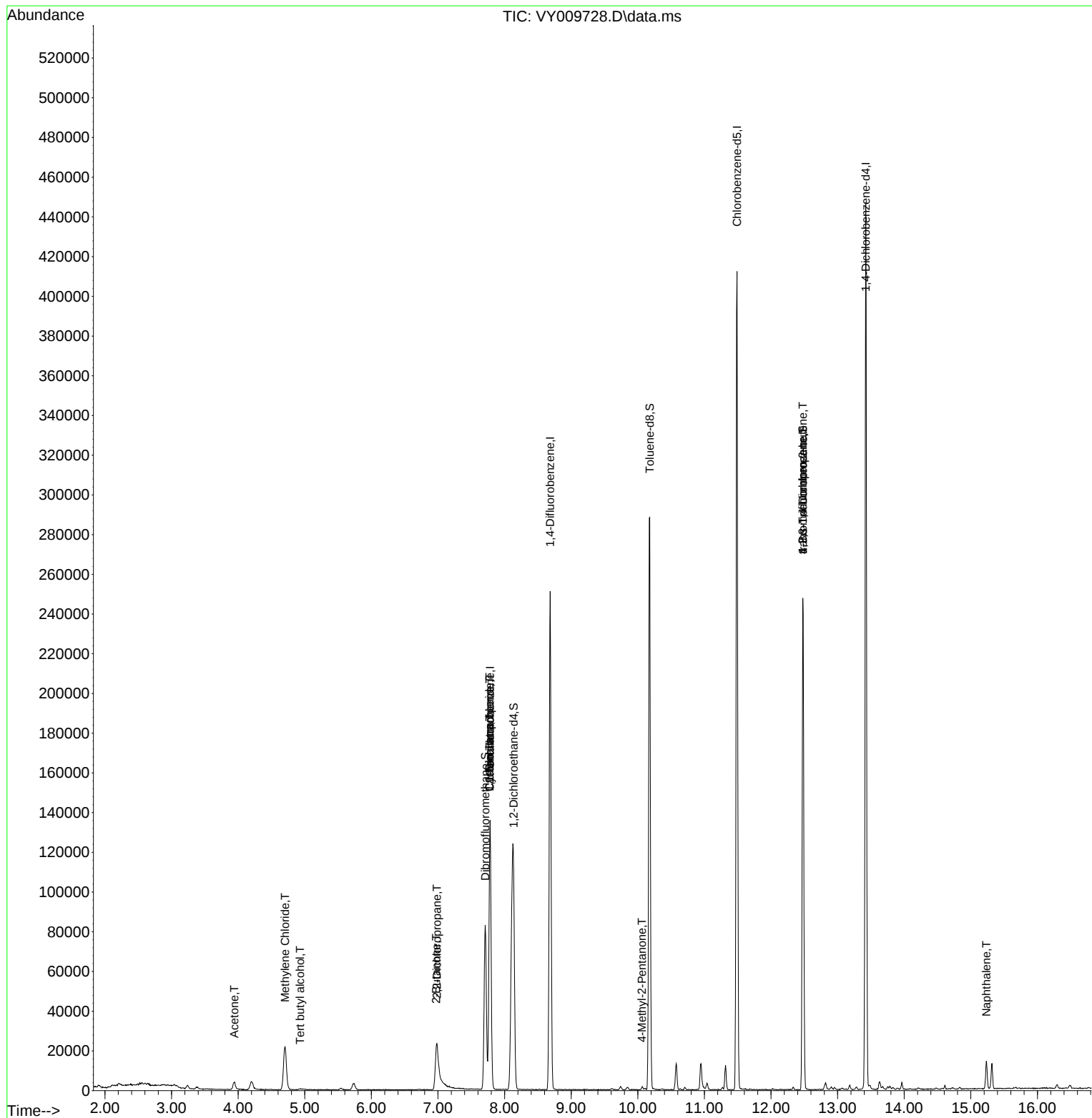
Internal Standards						
1) Pentafluorobenzene	7.783	168	109973	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	218520	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	234197	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	117282	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	65756	94.417	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 188.840%#	
35) Dibromofluoromethane	7.709	113	59247	49.851	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.700%	
50) Toluene-d8	10.179	98	198543	58.044	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 116.080%	
62) 4-Bromofluorobenzene	12.477	95	71764	45.539	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 91.080%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.929	59	424	3.115	ug/l #	77
16) Acetone	3.942	43	6867	26.116	ug/l	97
18) Methyl Acetate	4.478	43	103	Below Cal	#	56
20) Methylene Chloride	4.704	84	16862	4.558	ug/l	90
25) 2-Butanone	6.972	43	1622	4.182	ug/l #	80
26) 2,2-Dichloropropane	6.984	77	2214	1.278	ug/l #	55
31) Cyclohexane	7.777	56	1956	1.118	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	7999	4.136	ug/l #	50
38) Carbon Tetrachloride	7.777	117	10063	4.856	ug/l #	14
51) 4-Methyl-2-Pentanone	10.063	43	1210	1.188	ug/l	89
76) 1,2,3-Trichloropropane	12.477	75	36088	33.127	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	36088	66.032	ug/l #	7
95) Naphthalene	15.232	128	12288	2.975	ug/l	98

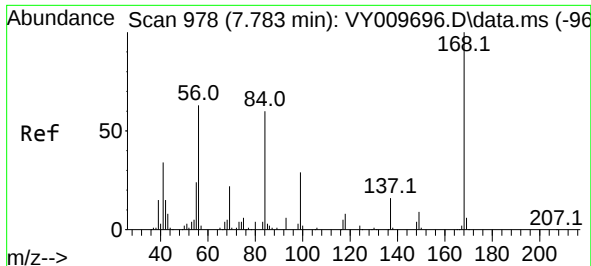
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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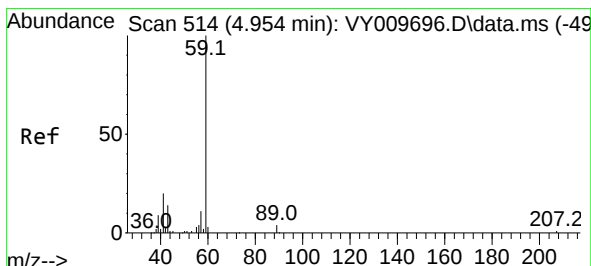
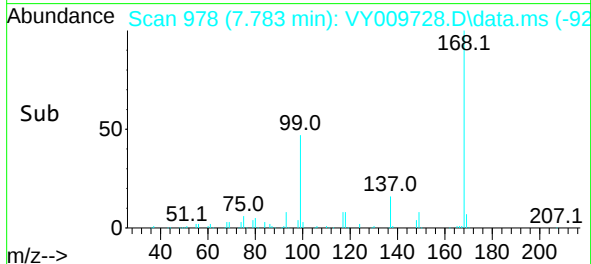
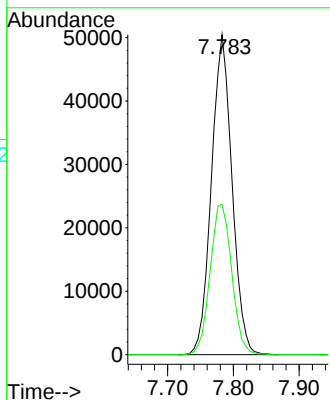
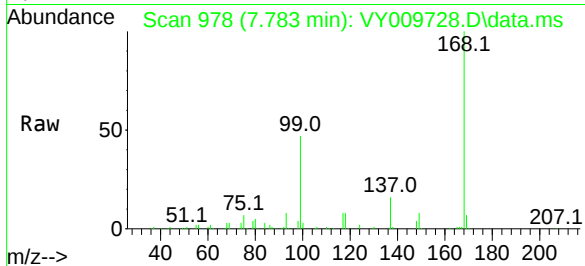




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009728.D
Acq: 27 Jul 2022 16:39

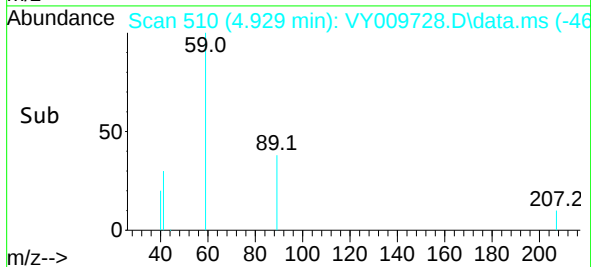
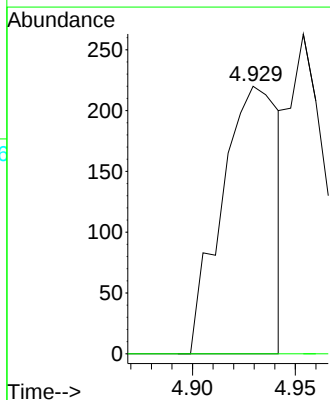
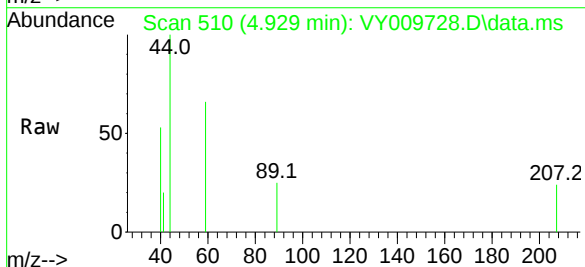
Instrument :
MSVOA_Y
ClientSampleId :
RVE-72

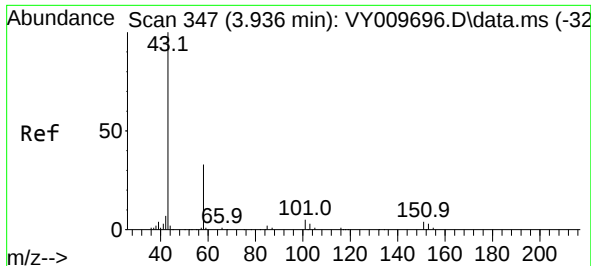
Tgt Ion:168 Resp: 109973
Ion Ratio Lower Upper
168 100
99 47.0 46.9 70.3



#11
Tert butyl alcohol
Concen: 3.115 ug/l
RT: 4.929 min Scan# 510
Delta R.T. -0.025 min
Lab File: VY009728.D
Acq: 27 Jul 2022 16:39

Tgt Ion: 59 Resp: 424
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 26.116 ug/l

RT: 3.942 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY009728.D

Acq: 27 Jul 2022 16:39

Instrument :

MSVOA_Y

ClientSampleId :

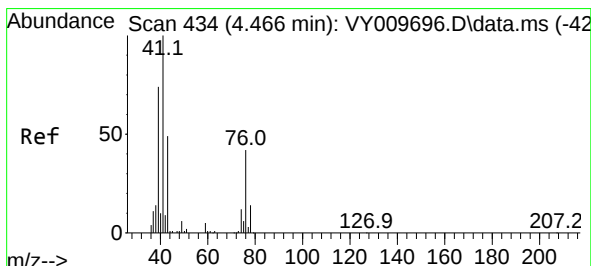
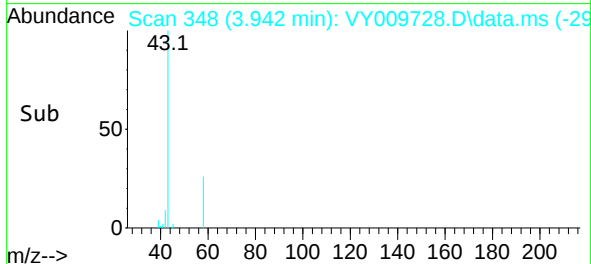
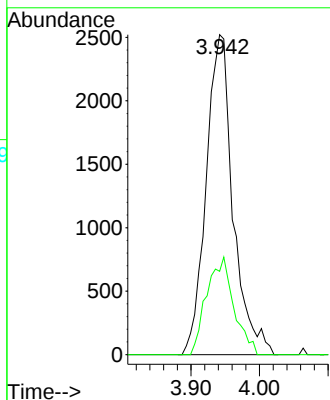
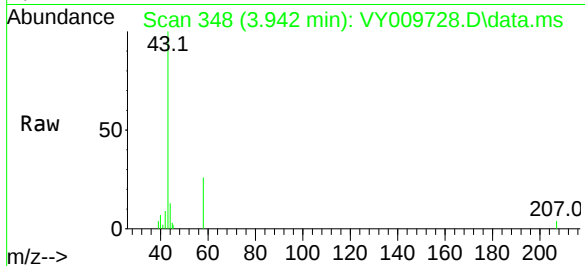
RVE-72

Tgt Ion: 43 Resp: 6867

Ion Ratio Lower Upper

43 100

58 26.0 22.0 33.0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.478 min Scan# 436

Delta R.T. 0.012 min

Lab File: VY009728.D

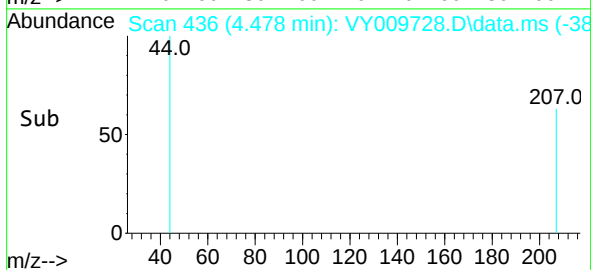
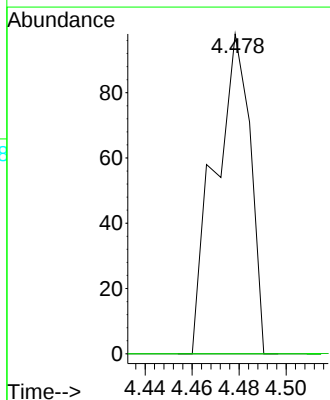
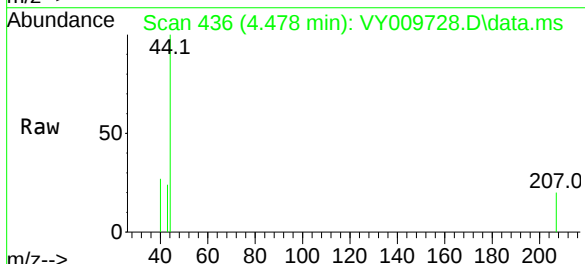
Acq: 27 Jul 2022 16:39

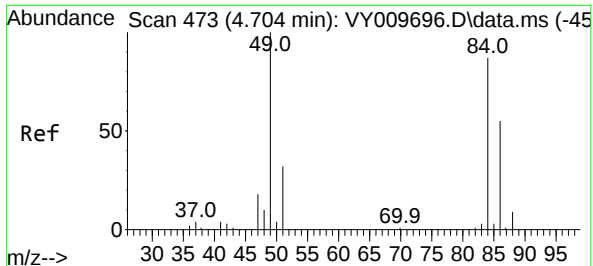
Tgt Ion: 43 Resp: 103

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#

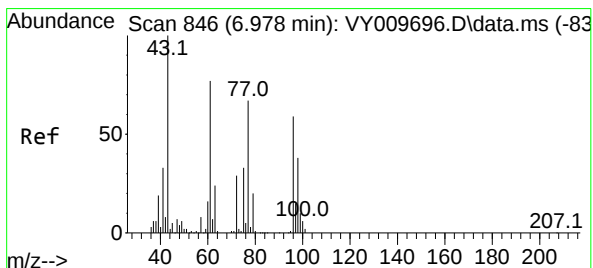
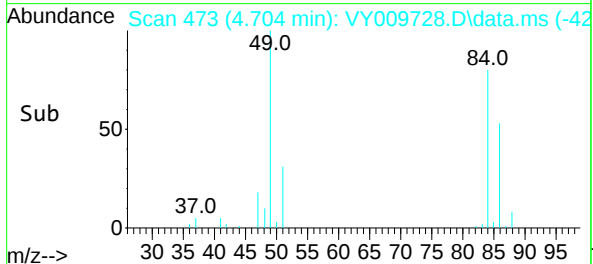
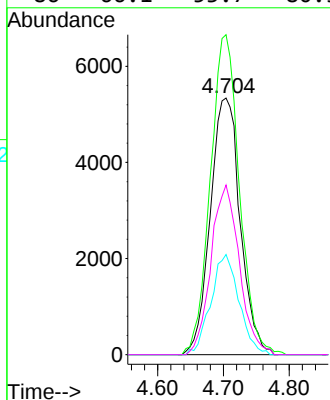
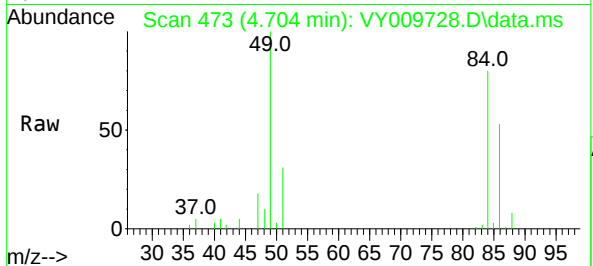




#20
Methylene Chloride
Concen: 4.558 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY009728.D
Acq: 27 Jul 2022 16:39

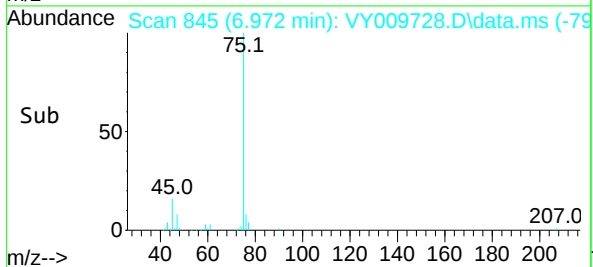
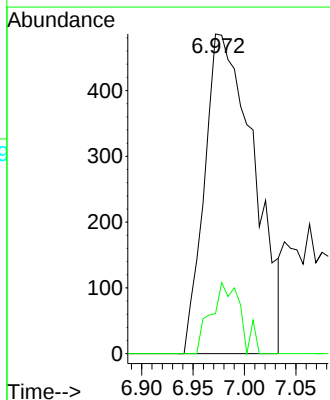
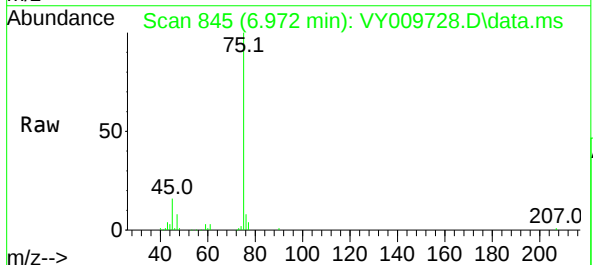
Instrument :
MSVOA_Y
ClientSampleId :
RVE-72

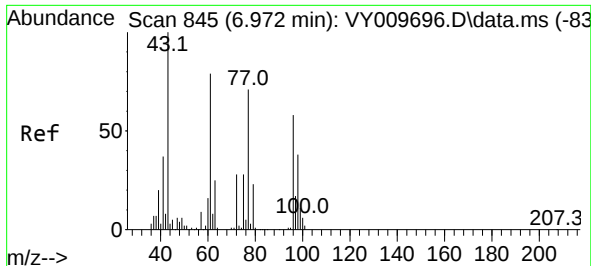
Tgt Ion:	84	Resp:	16862
Ion	Ratio	Lower	Upper
84	100		
49	124.7	114.4	171.6
51	39.0	35.3	52.9
86	66.1	53.7	80.5



#25
2-Butanone
Concen: 4.182 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY009728.D
Acq: 27 Jul 2022 16:39

Tgt Ion:	43	Resp:	1622
Ion	Ratio	Lower	Upper
43	100		
72	12.6	17.7	26.5

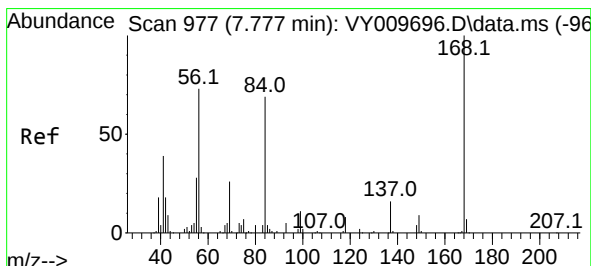
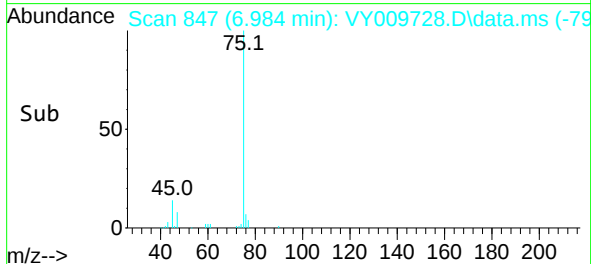
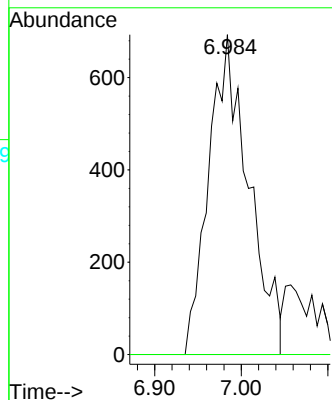
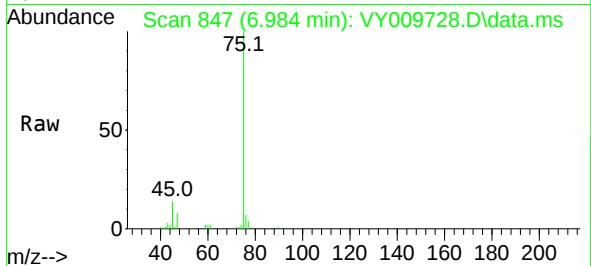




#26
2,2-Dichloropropane
Concen: 1.278 ug/l
RT: 6.984 min Scan# 845
Delta R.T. 0.012 min
Lab File: VY009728.D
Acq: 27 Jul 2022 16:39

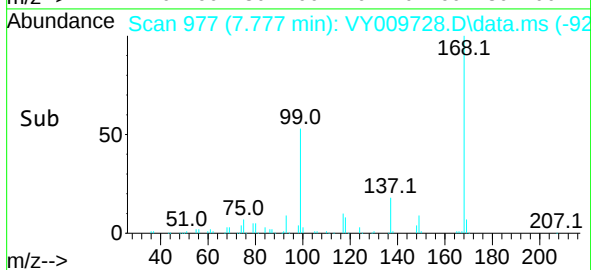
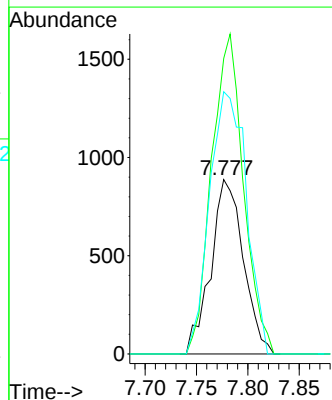
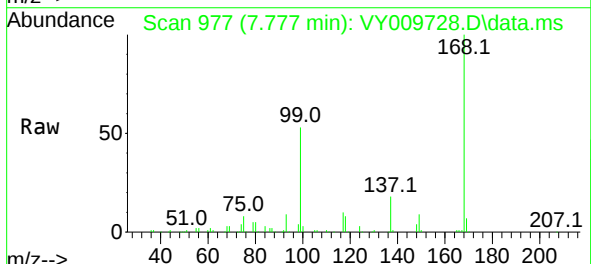
Instrument :
MSVOA_Y
ClientSampleId :
RVE-72

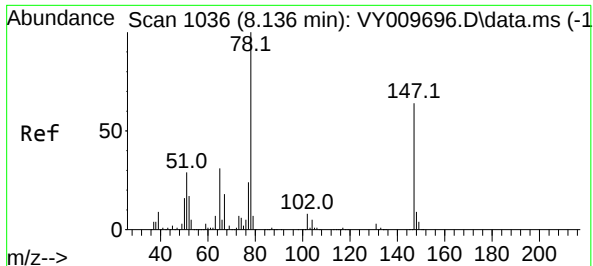
Tgt Ion: 77 Resp: 2214
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#



#31
Cyclohexane
Concen: 1.118 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.000 min
Lab File: VY009728.D
Acq: 27 Jul 2022 16:39

Tgt Ion: 56 Resp: 1956
Ion Ratio Lower Upper
56 100
69 169.4 26.7 40.1#
84 150.3 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 94.417 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY009728.D

Acq: 27 Jul 2022 16:39

Instrument :

MSVOA_Y

ClientSampleId :

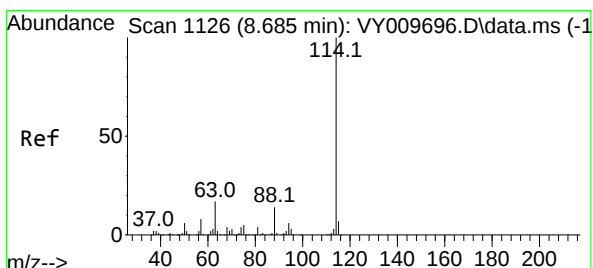
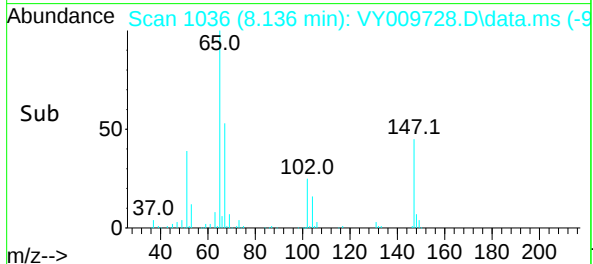
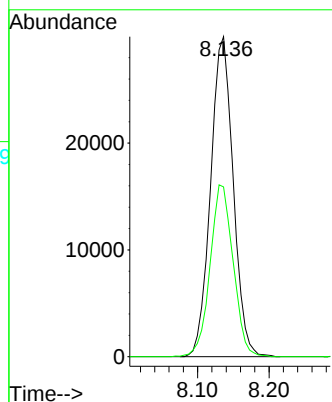
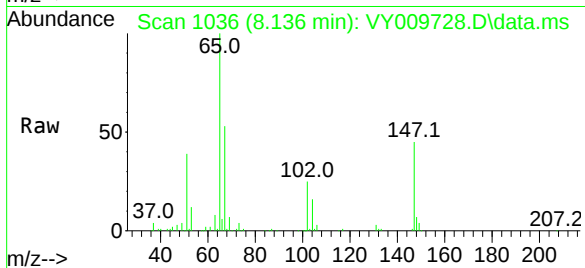
RVE-72

Tgt Ion: 65 Resp: 65756

Ion Ratio Lower Upper

65 100

67 54.9 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: VY009728.D

Acq: 27 Jul 2022 16:39

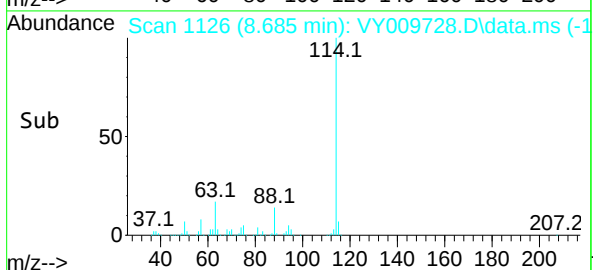
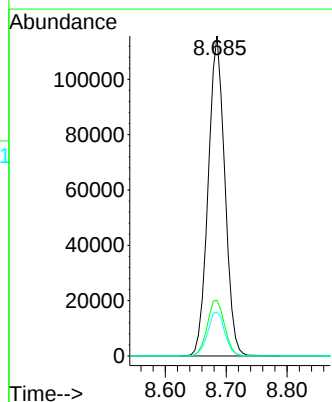
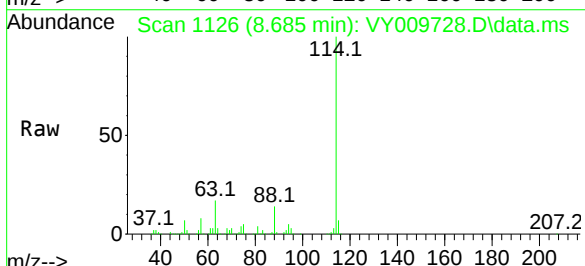
Tgt Ion: 114 Resp: 218520

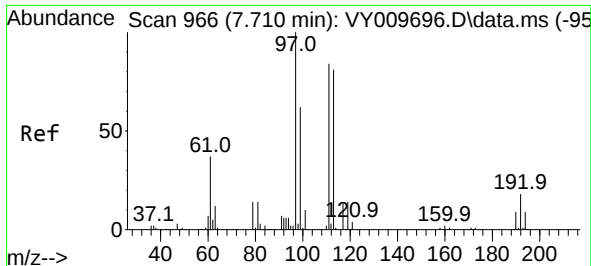
Ion Ratio Lower Upper

114 100

63 17.4 0.0 43.2

88 13.8 0.0 31.8

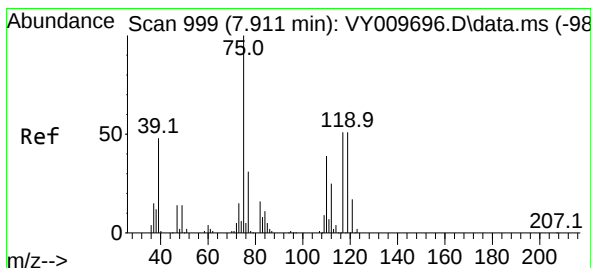
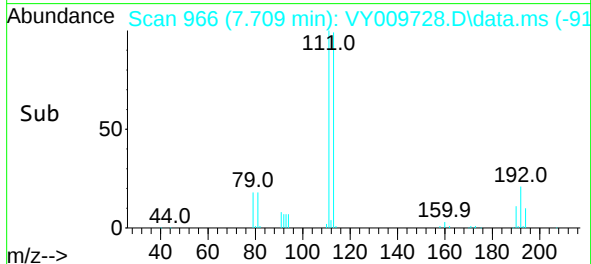
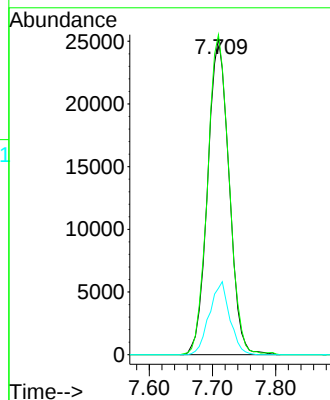
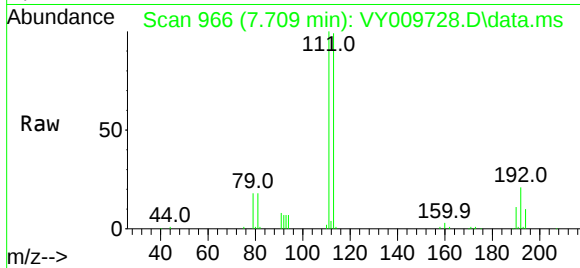




#35
Dibromofluoromethane
Concen: 49.851 ug/l
RT: 7.709 min Scan# 911
Delta R.T. -0.001 min
Lab File: VY009728.D
Acq: 27 Jul 2022 16:39

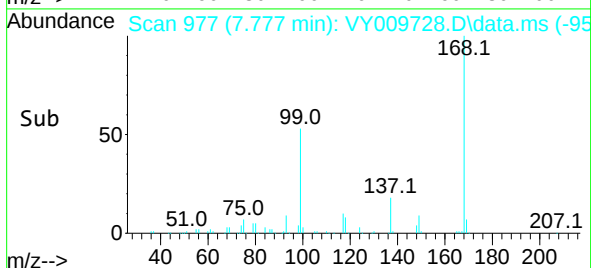
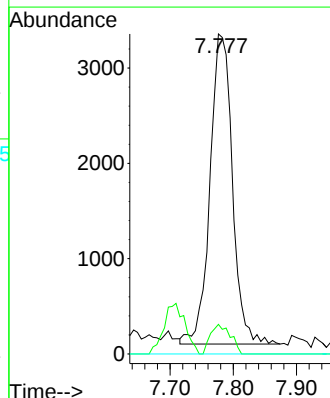
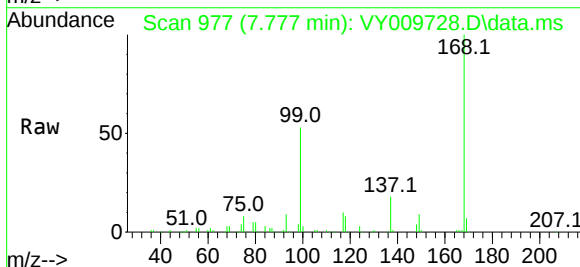
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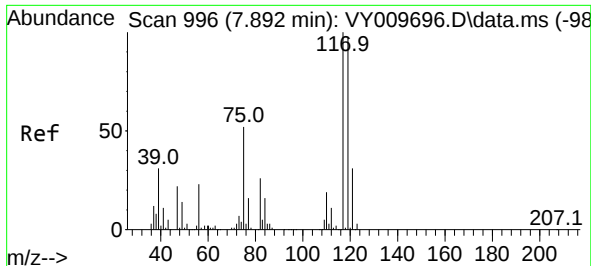
Tgt Ion:113 Resp: 59247
Ion Ratio Lower Upper
113 100
111 101.5 82.6 124.0
192 21.9 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.136 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.134 min
Lab File: VY009728.D
Acq: 27 Jul 2022 16:39

Tgt Ion: 75 Resp: 7999
Ion Ratio Lower Upper
75 100
110 8.5 17.1 51.2#
77 0.0 24.4 36.6#

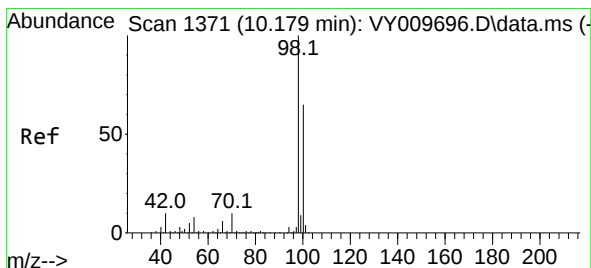
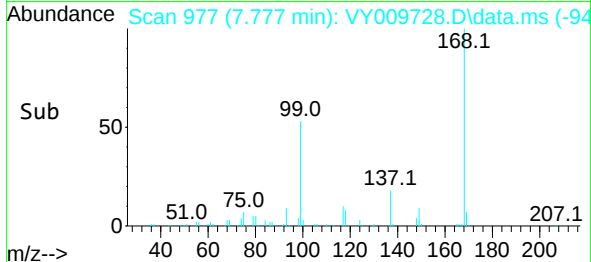
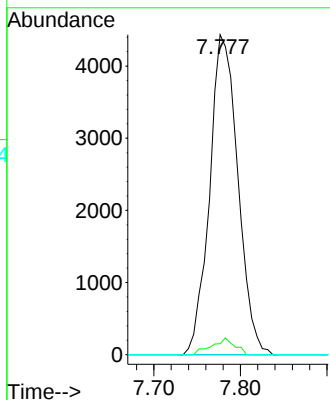
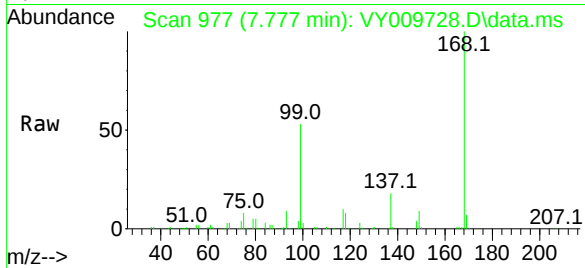




#38
Carbon Tetrachloride
Concen: 4.856 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY009728.D
Acq: 27 Jul 2022 16:39

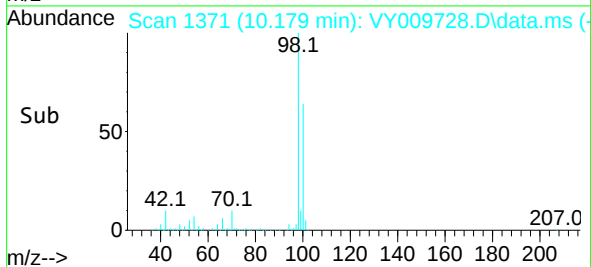
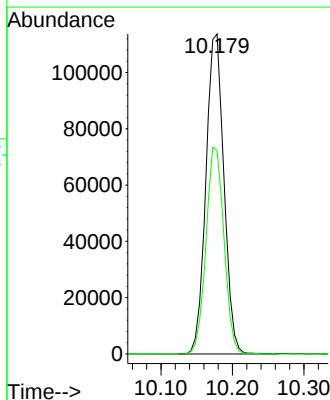
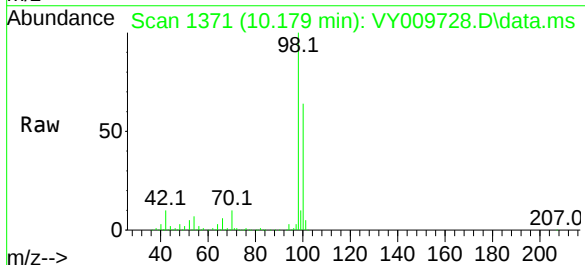
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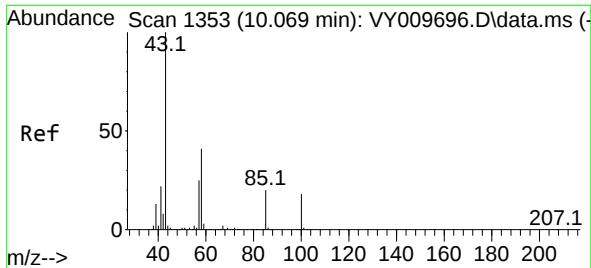
Tgt Ion:117 Resp: 10063
Ion Ratio Lower Upper
117 100
119 3.4 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 58.044 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY009728.D
Acq: 27 Jul 2022 16:39

Tgt Ion: 98 Resp: 198543
Ion Ratio Lower Upper
98 100
100 64.7 50.2 75.2

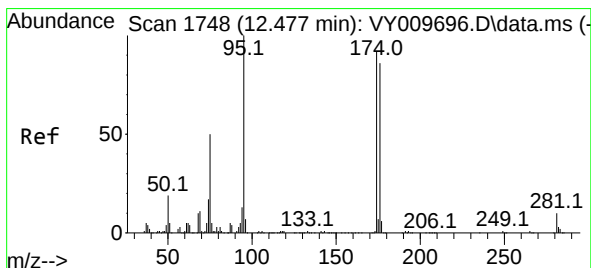
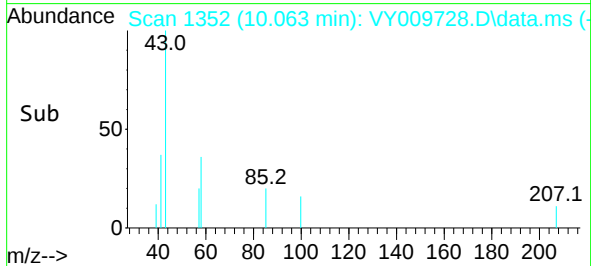
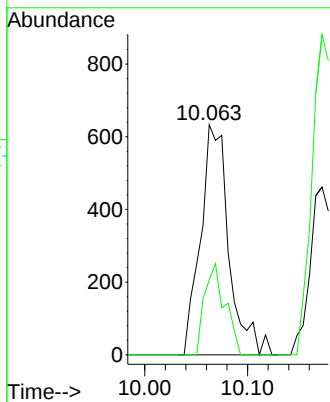
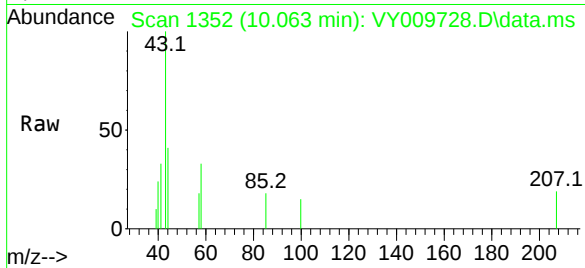




#51
4-Methyl-2-Pentanone
Concen: 1.188 ug/l
RT: 10.063 min Scan# 1352
Delta R.T. -0.006 min
Lab File: VY009728.D
Acq: 27 Jul 2022 16:39

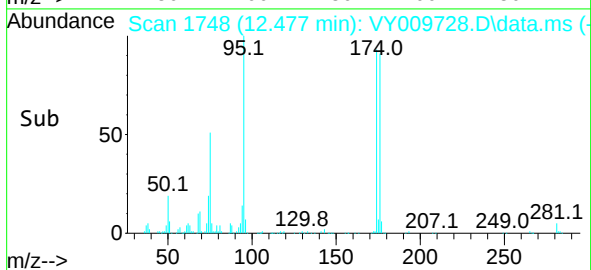
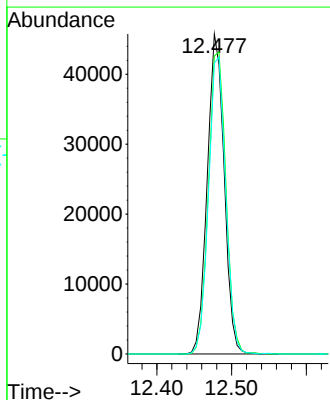
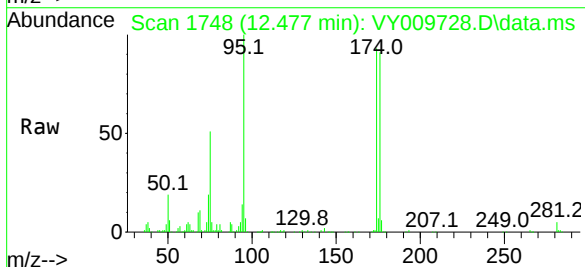
Instrument :
MSVOA_Y
ClientSampleId :
RVE-72

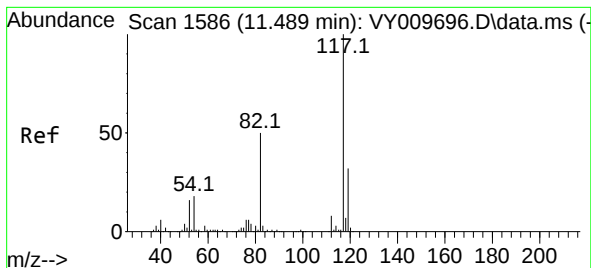
Tgt Ion: 43 Resp: 1210
Ion Ratio Lower Upper
43 100
58 28.7 28.1 42.1



#62
4-Bromofluorobenzene
Concen: 45.539 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY009728.D
Acq: 27 Jul 2022 16:39

Tgt Ion: 95 Resp: 71764
Ion Ratio Lower Upper
95 100
174 97.8 0.0 177.0
176 94.3 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY009728.D

Acq: 27 Jul 2022 16:39

Instrument :

MSVOA_Y

ClientSampleId :

RVE-72

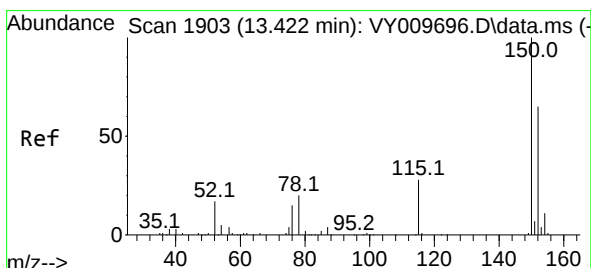
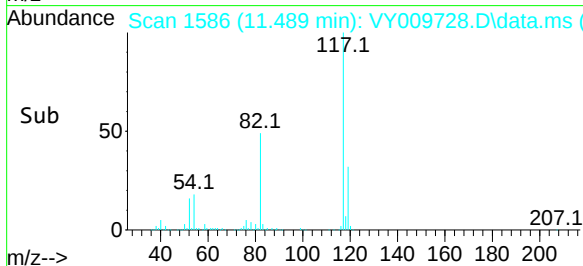
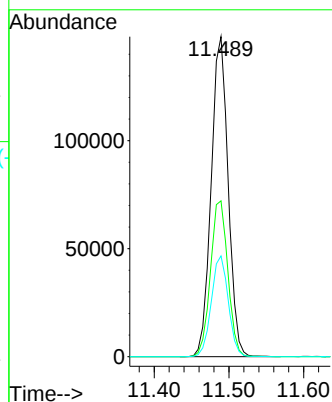
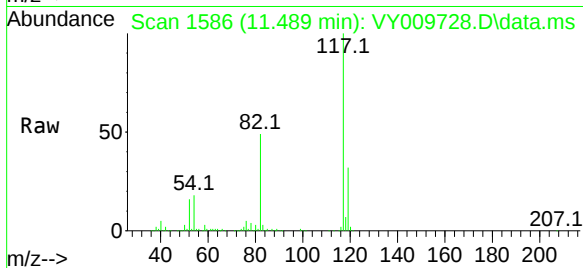
Tgt Ion:117 Resp: 234197

Ion Ratio Lower Upper

117 100

82 48.7 43.0 64.4

119 31.5 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: VY009728.D

Acq: 27 Jul 2022 16:39

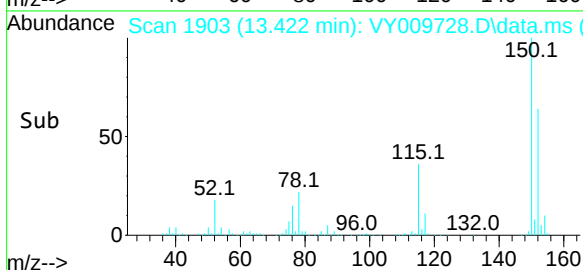
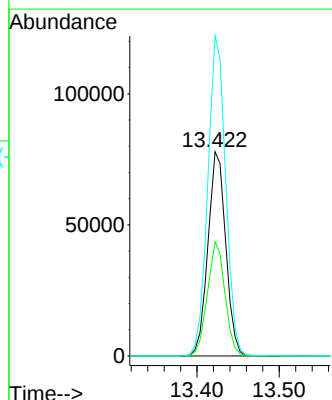
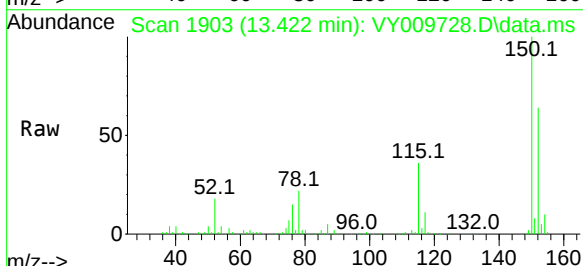
Tgt Ion:152 Resp: 117282

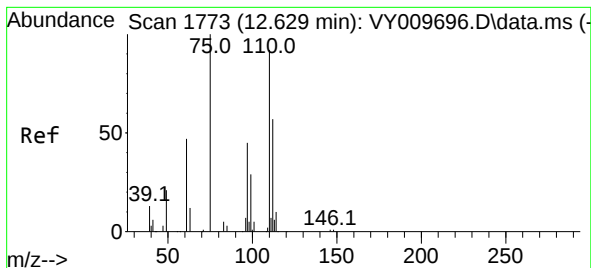
Ion Ratio Lower Upper

152 100

115 55.1 28.2 84.7

150 157.2 0.0 347.6





#76

1,2,3-Trichloropropane

Concen: 33.127 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY009728.D

Acq: 27 Jul 2022 16:39

Instrument :

MSVOA_Y

ClientSampleId :

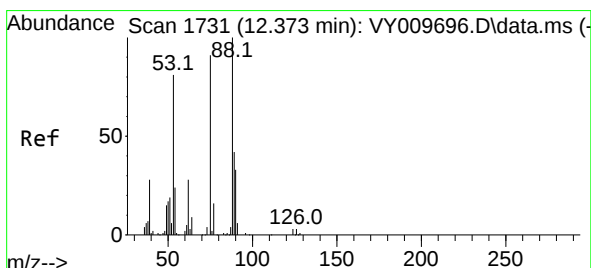
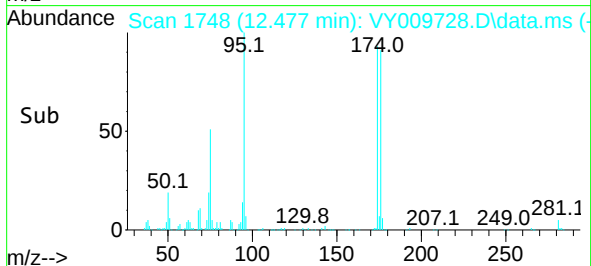
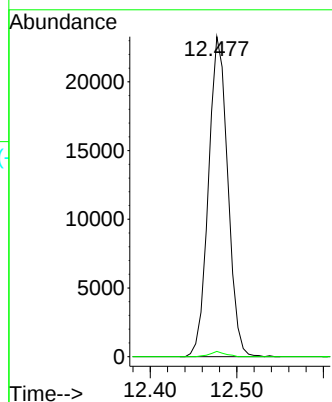
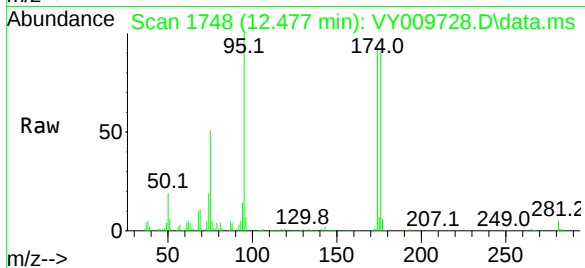
RVE-72

Tgt Ion: 75 Resp: 36088

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.032 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.104 min

Lab File: VY009728.D

Acq: 27 Jul 2022 16:39

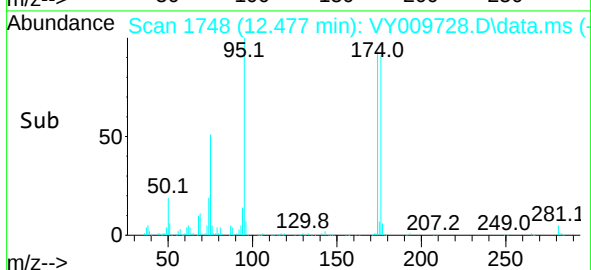
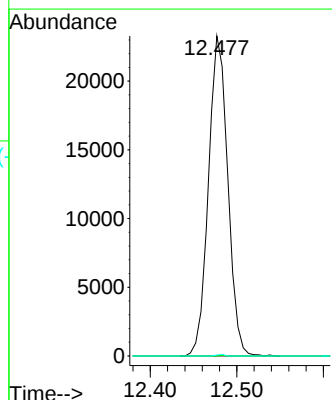
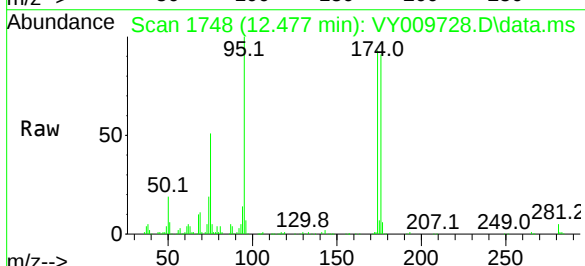
Tgt Ion: 75 Resp: 36088

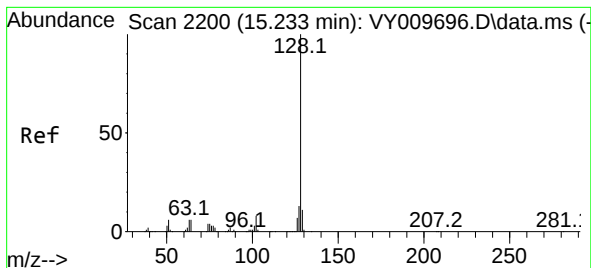
Ion Ratio Lower Upper

75 100

53 0.0 85.3 127.9#

89 0.2 37.0 55.4#





#95

Naphthalene

Concen: 2.975 ug/l

RT: 15.232 min Scan# 21

Delta R.T. -0.001 min

Lab File: VY009728.D

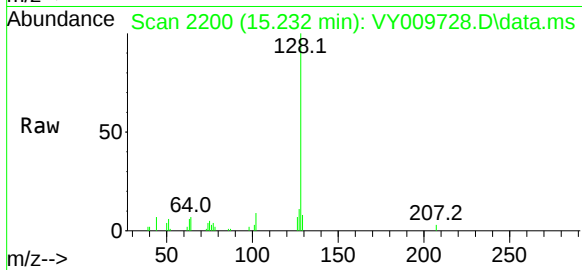
Acq: 27 Jul 2022 16:39

Instrument :

MSVOA_Y

ClientSampleId :

RVE-72



Tgt Ion:128 Resp: 12288

Ion Ratio Lower Upper

128 100

127 12.5 11.0 16.4

129 10.3 8.4 12.6

