

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072722\
 Data File : VY009732.D
 Acq On : 27 Jul 2022 18:13
 Operator : KP/MD
 Sample : N3893-04
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RVE-4

Quant Time: Jul 28 02:46:55 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)

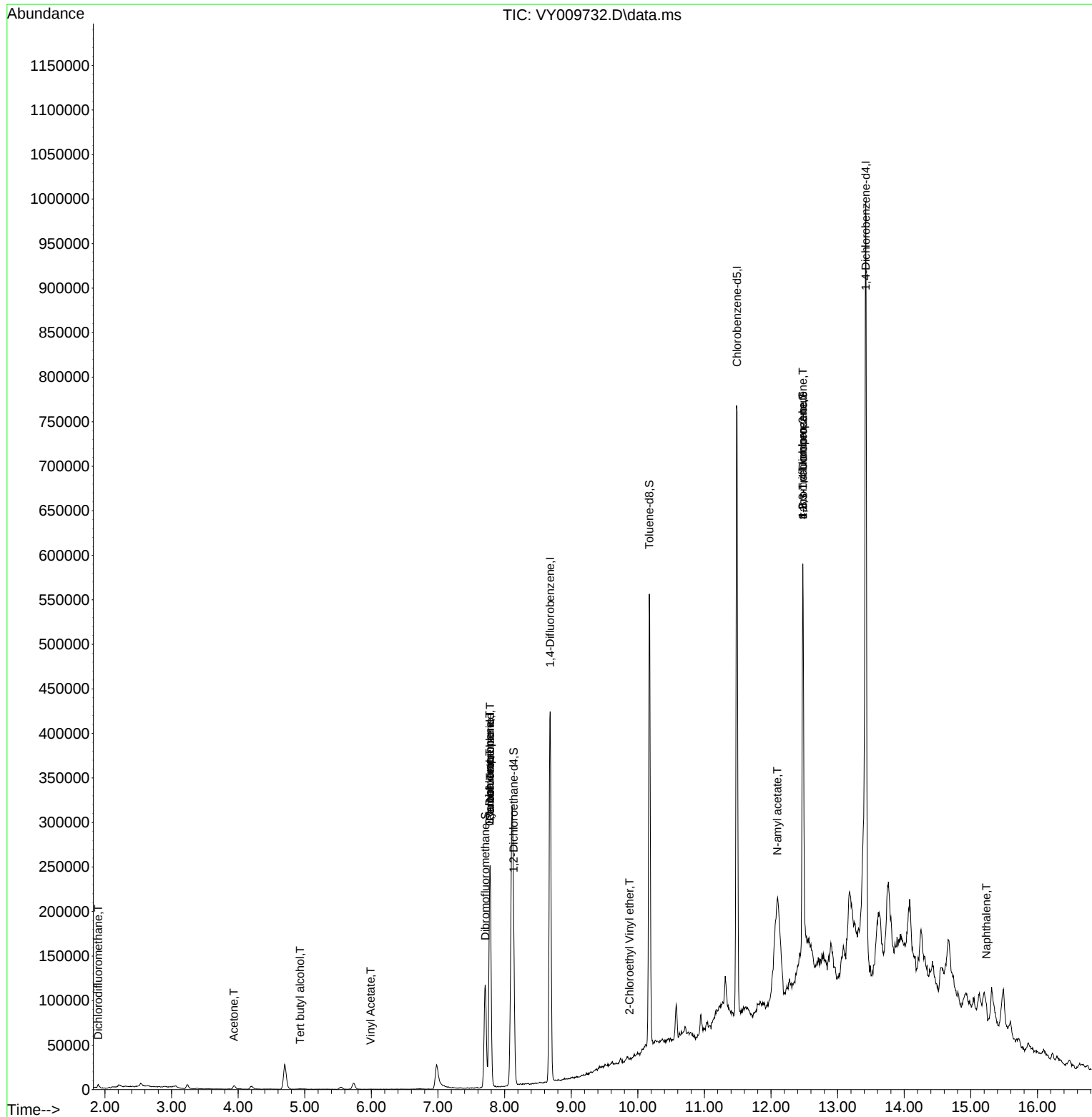
Internal Standards						
1) Pentafluorobenzene	7.783	168	209652	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	377257	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	397302	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	212230	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	89191	65.518	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 131.040%	
35) Dibromofluoromethane	7.710	113	82745	40.328	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 80.660%	
50) Toluene-d8	10.173	98	335794	56.769	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 113.540%	
62) 4-Bromofluorobenzene	12.477	95	133757	49.164	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 98.320%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	3192	1.710	ug/l	92
11) Tert butyl alcohol	4.930	59	527	1.746	ug/l #	77
16) Acetone	3.936	43	7058	14.080	ug/l	95
18) Methyl Acetate	4.472	43	285	Below Cal	#	56
20) Methylene Chloride	4.698	84	20693	Below Cal		87
23) Vinyl Acetate	5.990	43	19	7.478	ug/l #	75
31) Cyclohexane	7.777	56	3766	1.129	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	13663	4.092	ug/l #	53
38) Carbon Tetrachloride	7.783	117	18744	5.239	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.874	63	188	24.083	ug/l	95
74) N-amyl acetate	12.093	43	12680	3.480	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	62245	31.575	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	62245	62.939	ug/l #	9
95) Naphthalene	15.233	128	11383	1.523	ug/l #	95

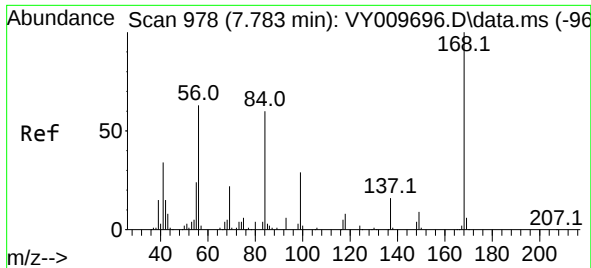
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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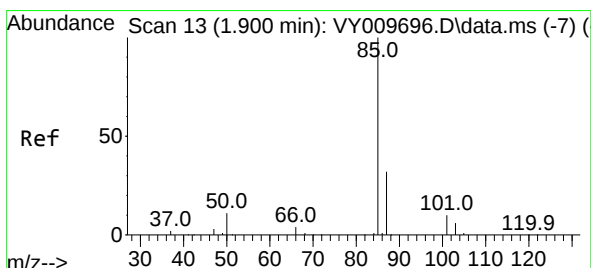
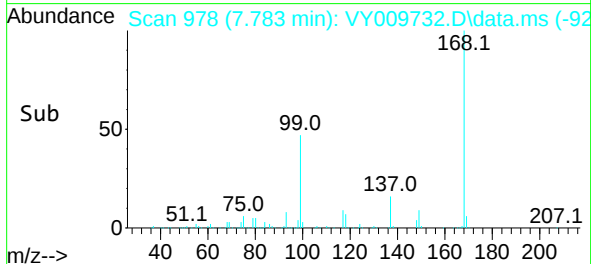
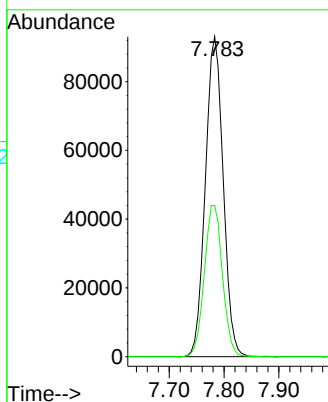
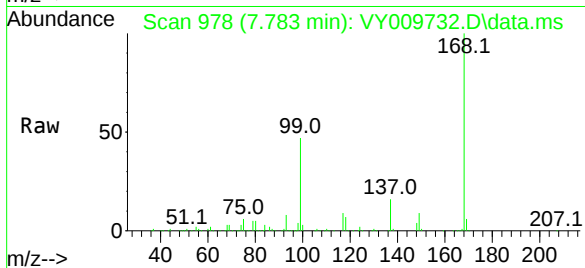




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009732.D
Acq: 27 Jul 2022 18:13

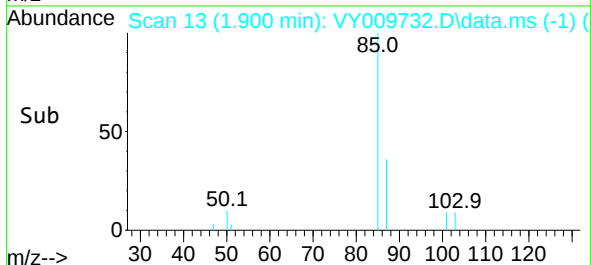
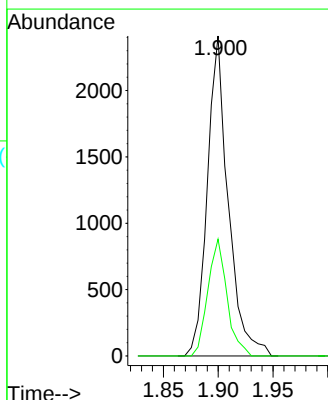
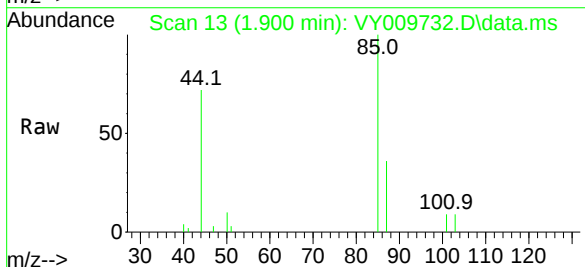
Instrument :
MSVOA_Y
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RVE-4

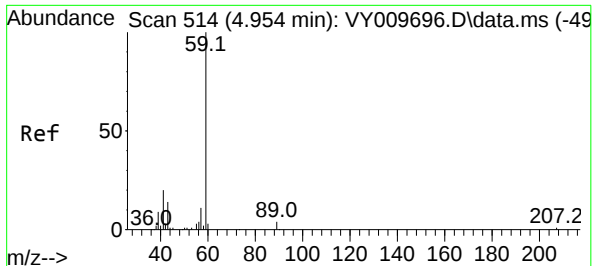
Tgt Ion:168 Resp: 209652
Ion Ratio Lower Upper
168 100
99 47.2 46.9 70.3



#2
Dichlorodifluoromethane
Concen: 1.710 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY009732.D
Acq: 27 Jul 2022 18:13

Tgt Ion: 85 Resp: 3192
Ion Ratio Lower Upper
85 100
87 36.5 16.1 48.2





#11

Tert butyl alcohol

Concen: 1.746 ug/l

RT: 4.930 min Scan# 514

Delta R.T. -0.024 min

Lab File: VY009732.D

Acq: 27 Jul 2022 18:13

Instrument :

MSVOA_Y

ClientSampleId :

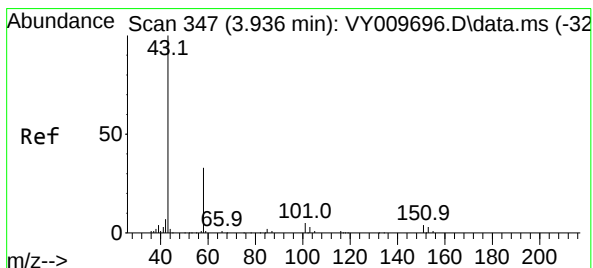
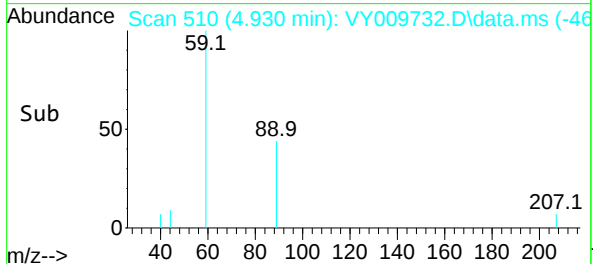
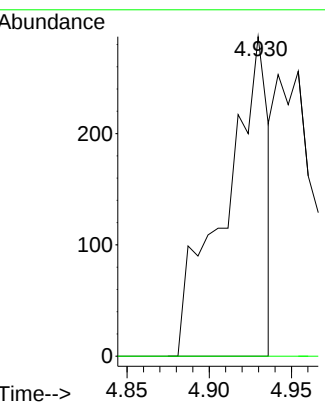
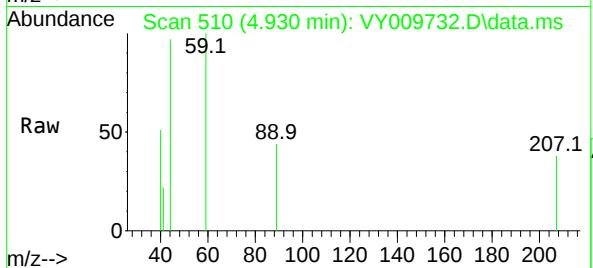
RVE-4

Tgt Ion: 59 Resp: 527

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 14.080 ug/l

RT: 3.936 min Scan# 347

Delta R.T. 0.000 min

Lab File: VY009732.D

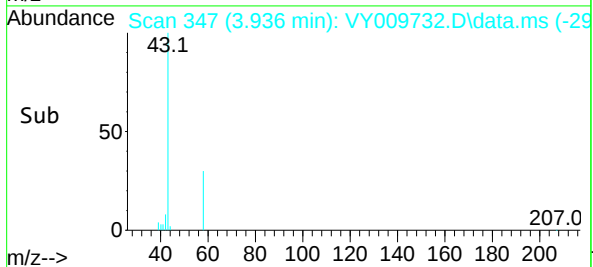
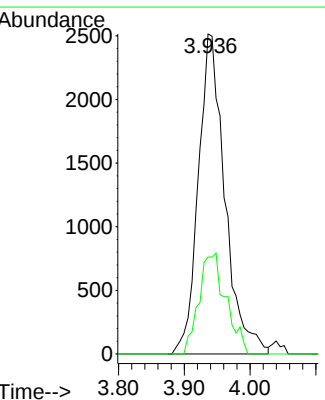
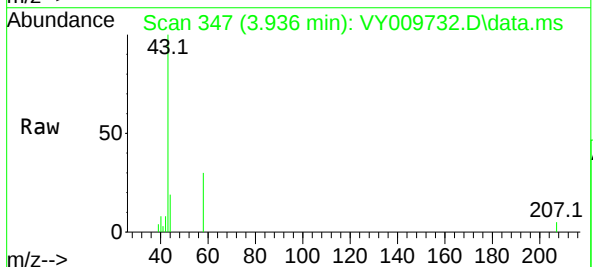
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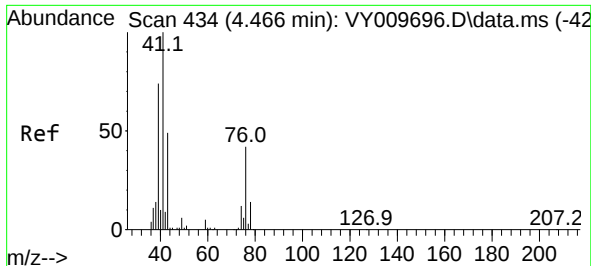
Tgt Ion: 43 Resp: 7058

Ion Ratio Lower Upper

43 100

58 30.3 22.0 33.0

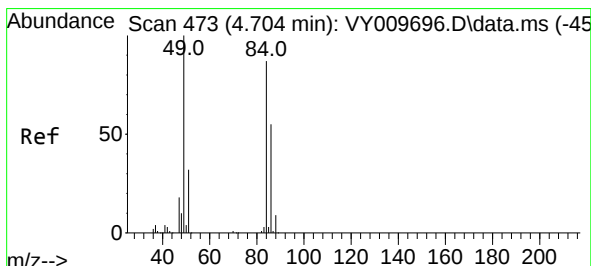
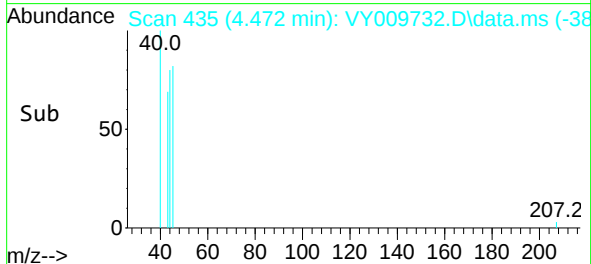
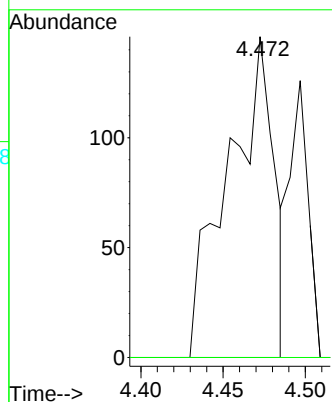
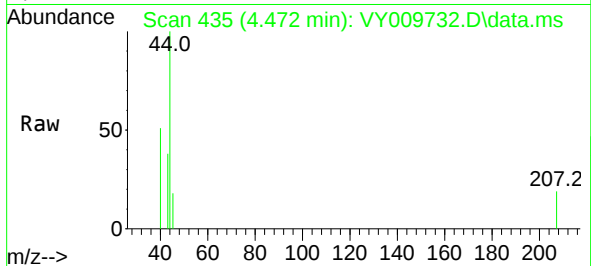




#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY009732.D
Acq: 27 Jul 2022 18:13

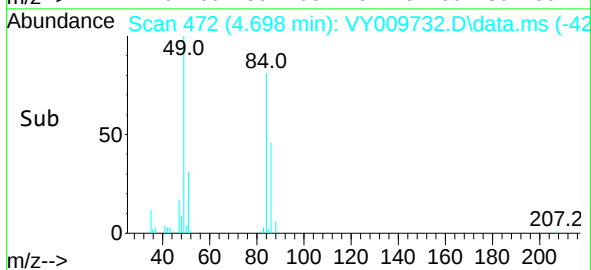
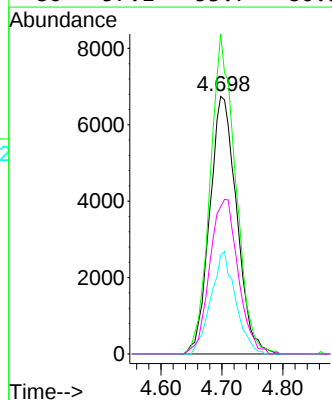
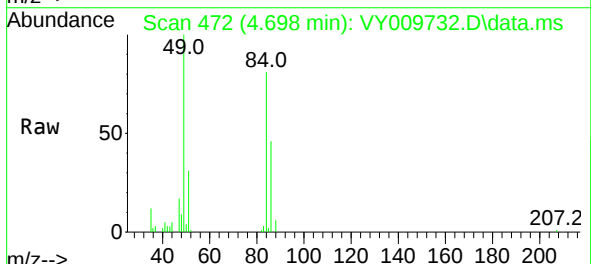
Instrument :
MSVOA_Y
ClientSampleId :
RVE-4

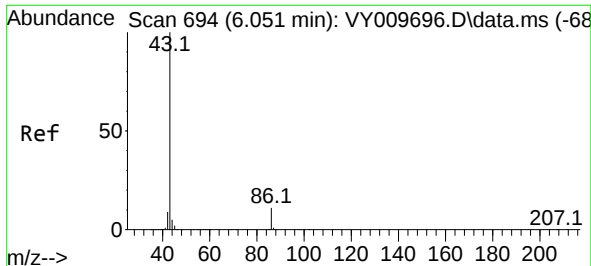
Tgt Ion: 43 Resp: 285
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.698 min Scan# 472
Delta R.T. -0.006 min
Lab File: VY009732.D
Acq: 27 Jul 2022 18:13

Tgt Ion: 84 Resp: 20693
Ion Ratio Lower Upper
84 100
49 124.2 114.4 171.6
51 38.3 35.3 52.9
86 57.1 53.7 80.5

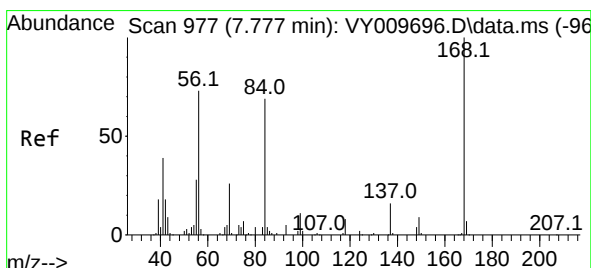
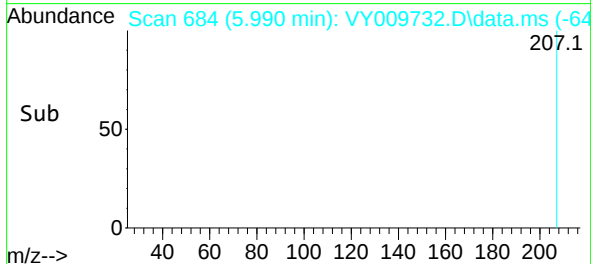
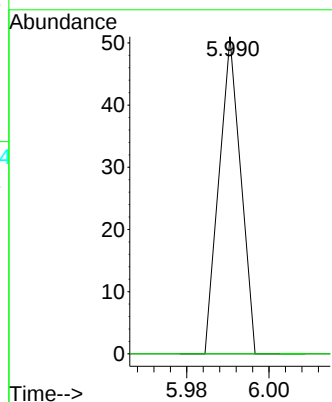
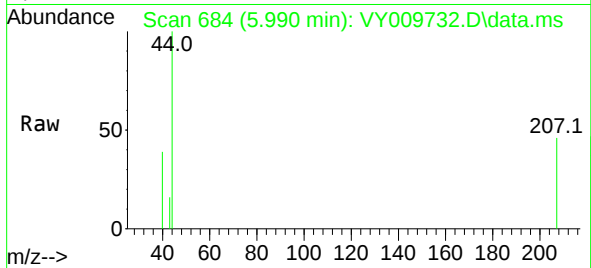




#23
 Vinyl Acetate
 Concen: 7.478 ug/l
 RT: 5.990 min Scan# 61
 Delta R.T. -0.061 min
 Lab File: VY009732.D
 Acq: 27 Jul 2022 18:13

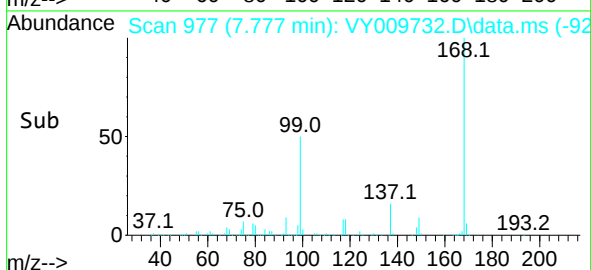
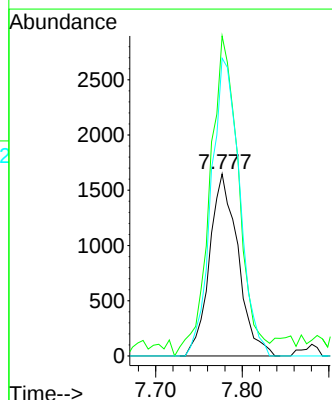
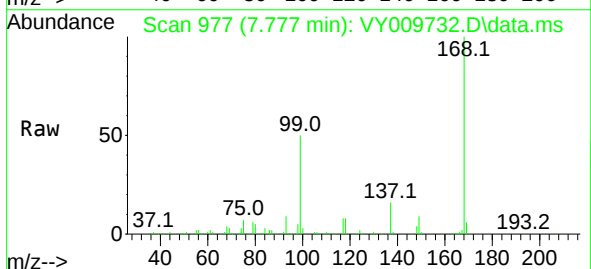
Instrument :
 MSVOA_Y
 ClientSampleId :
 RVE-4

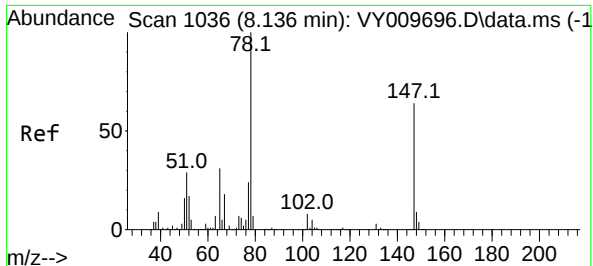
Tgt Ion: 43 Resp: 19
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#31
 Cyclohexane
 Concen: 1.129 ug/l
 RT: 7.777 min Scan# 977
 Delta R.T. -0.000 min
 Lab File: VY009732.D
 Acq: 27 Jul 2022 18:13

Tgt Ion: 56 Resp: 3766
 Ion Ratio Lower Upper
 56 100
 69 170.8 26.7 40.1#
 84 163.6 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 65.518 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY009732.D

Acq: 27 Jul 2022 18:13

Instrument :

MSVOA_Y

ClientSampleId :

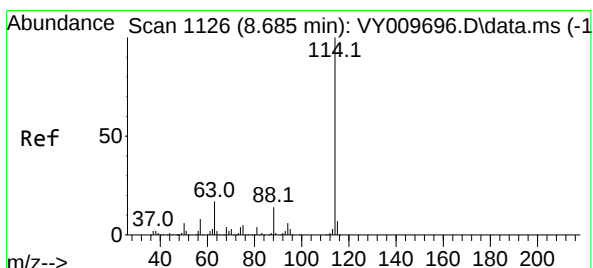
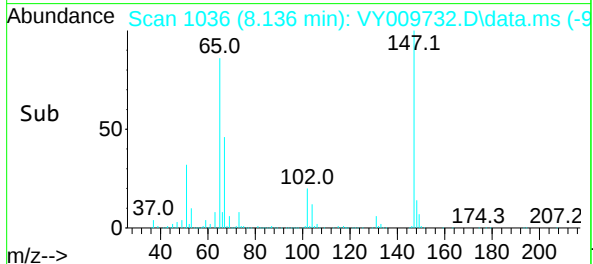
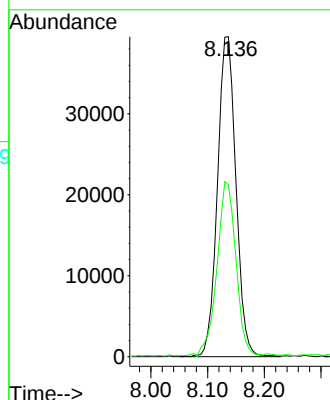
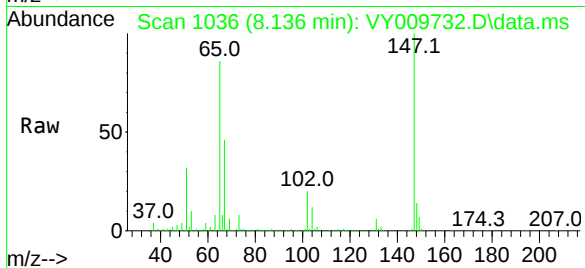
RVE-4

Tgt Ion: 65 Resp: 89191

Ion Ratio Lower Upper

65 100

67 55.3 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: VY009732.D

Acq: 27 Jul 2022 18:13

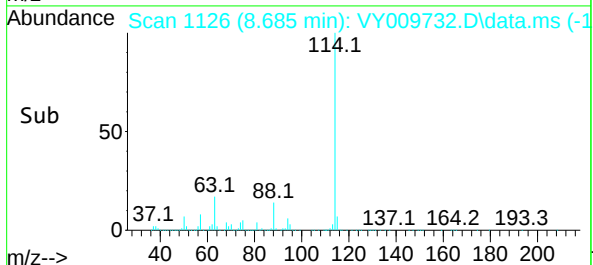
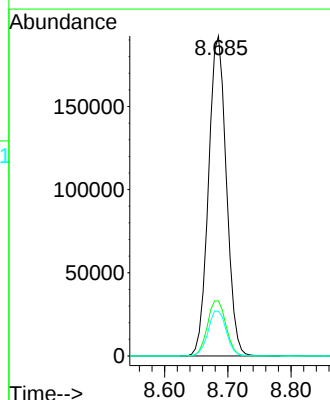
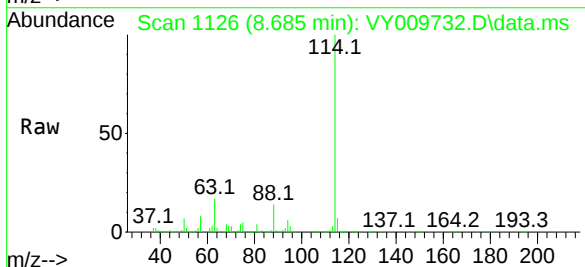
Tgt Ion:114 Resp: 377257

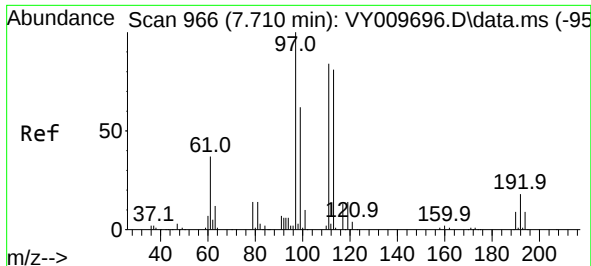
Ion Ratio Lower Upper

114 100

63 17.2 0.0 43.2

88 14.0 0.0 31.8

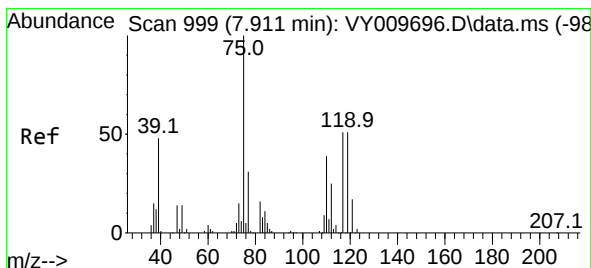
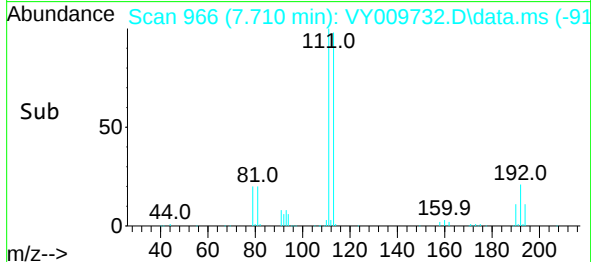
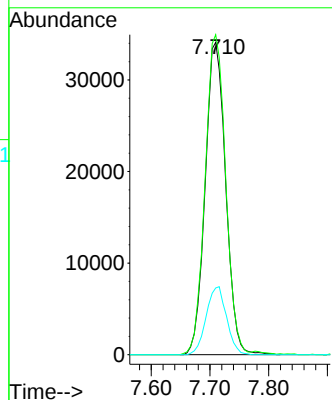
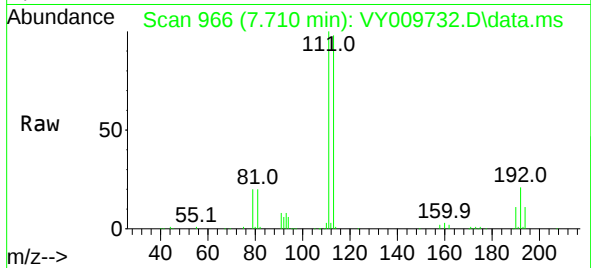




#35
Dibromofluoromethane
Concen: 40.328 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY009732.D
Acq: 27 Jul 2022 18:13

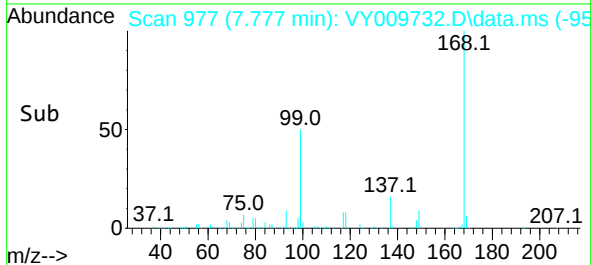
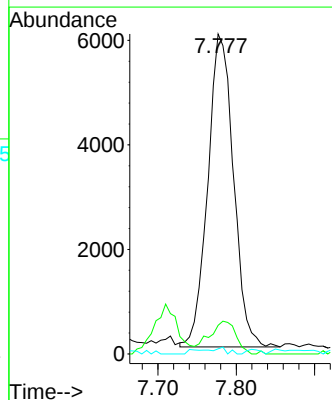
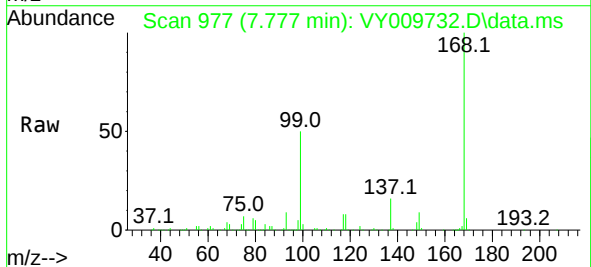
Instrument :
MSVOA_Y
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RVE-4

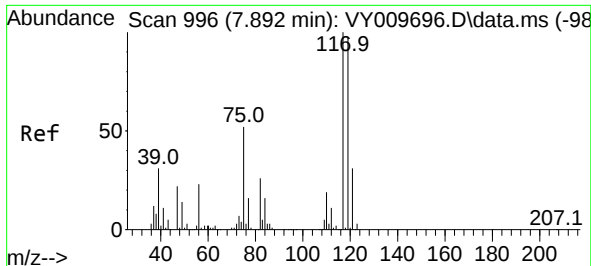
Tgt Ion:113 Resp: 82745
Ion Ratio Lower Upper
113 100
111 102.6 82.6 124.0
192 21.5 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.092 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.134 min
Lab File: VY009732.D
Acq: 27 Jul 2022 18:13

Tgt Ion: 75 Resp: 13663
Ion Ratio Lower Upper
75 100
110 10.9 17.1 51.2#
77 0.8 24.4 36.6#

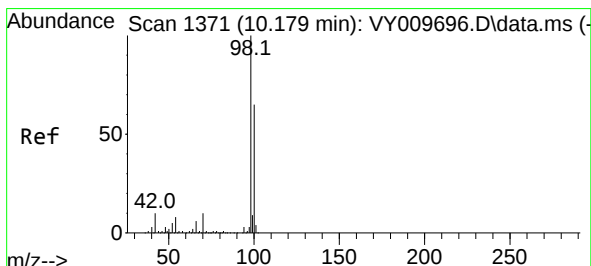
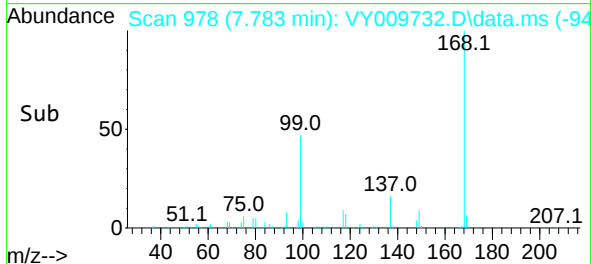
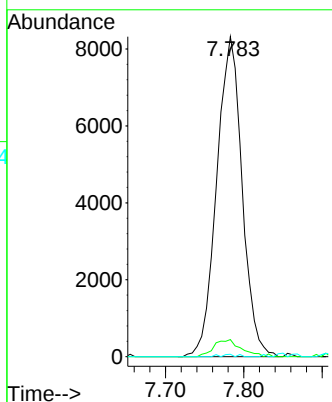
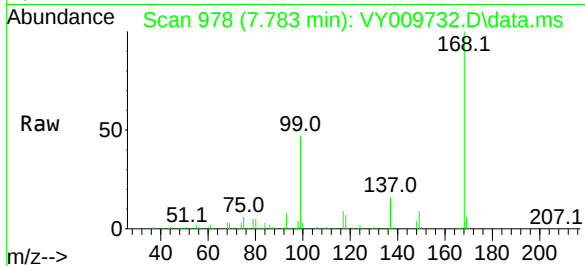




#38
Carbon Tetrachloride
Concen: 5.239 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY009732.D
Acq: 27 Jul 2022 18:13

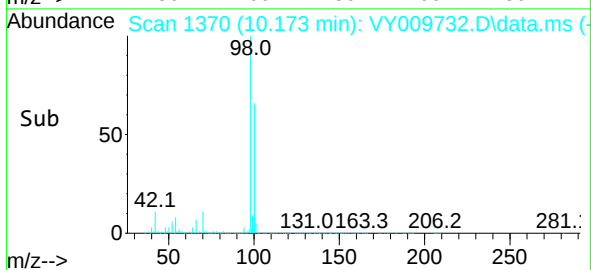
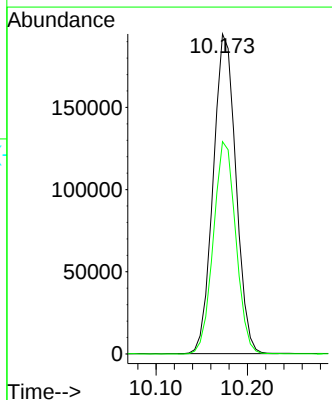
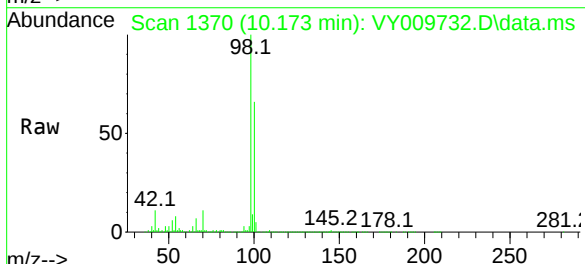
Instrument :
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RVE-4

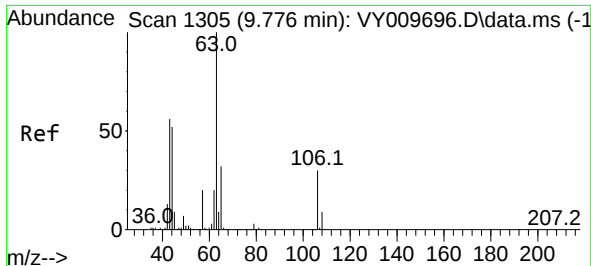
Tgt Ion:117 Resp: 18744
Ion Ratio Lower Upper
117 100
119 5.3 77.9 116.9#
121 0.8 24.8 37.2#



#50
Toluene-d8
Concen: 56.769 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY009732.D
Acq: 27 Jul 2022 18:13

Tgt Ion: 98 Resp: 335794
Ion Ratio Lower Upper
98 100
100 65.8 50.2 75.2

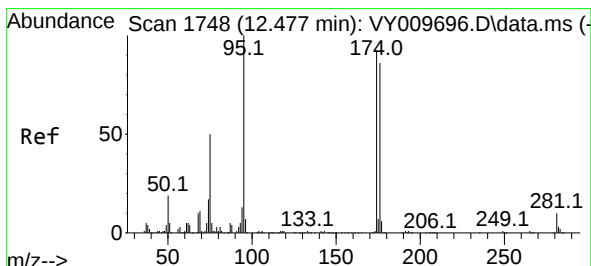
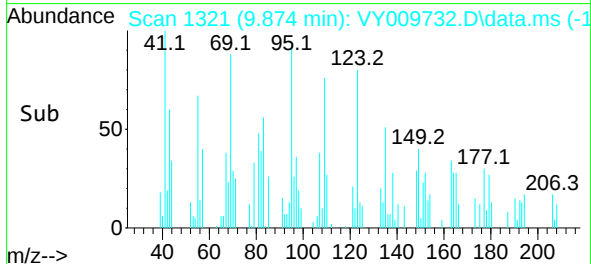
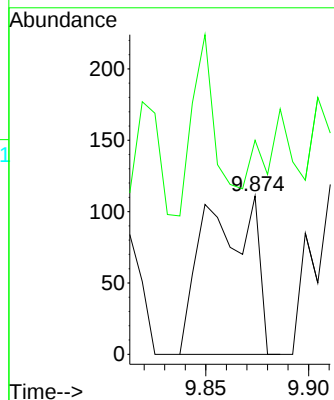
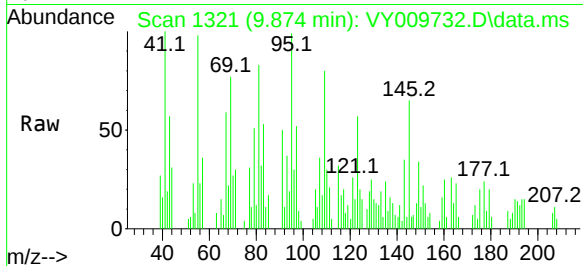




#58
2-Chloroethyl Vinyl ether
Concen: 24.083 ug/l
RT: 9.874 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY009732.D
Acq: 27 Jul 2022 18:13

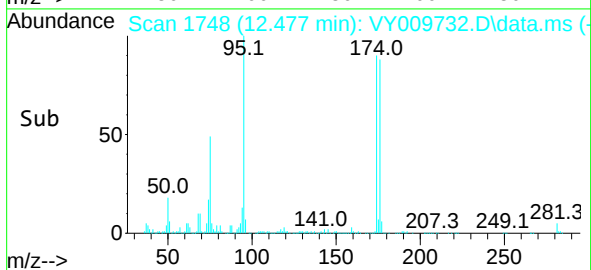
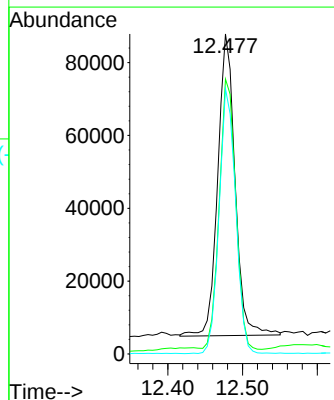
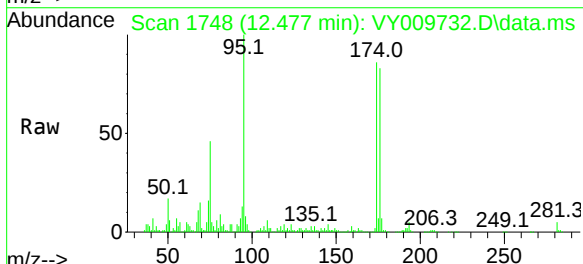
Instrument :
MSVOA_Y
ClientSampleId :
RVE-4

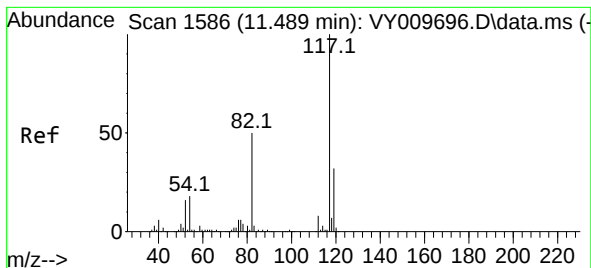
Tgt Ion: 63 Resp: 188
Ion Ratio Lower Upper
63 100
106 24.5 21.5 32.3



#62
4-Bromofluorobenzene
Concen: 49.164 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009732.D
Acq: 27 Jul 2022 18:13

Tgt Ion: 95 Resp: 133757
Ion Ratio Lower Upper
95 100
174 84.9 0.0 177.0
176 83.7 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: VY009732.D

Acq: 27 Jul 2022 18:13

Instrument :

MSVOA_Y

ClientSampleId :

RVE-4

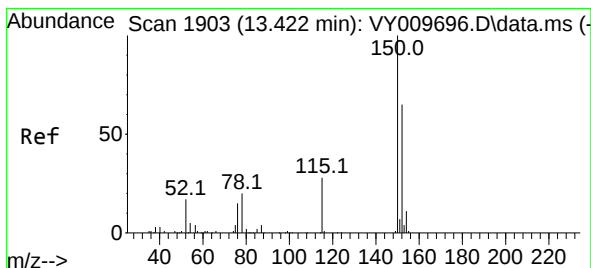
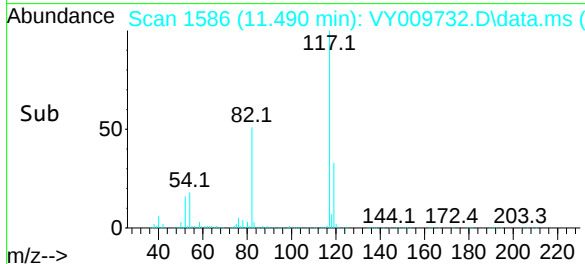
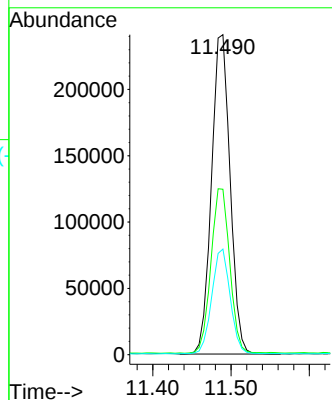
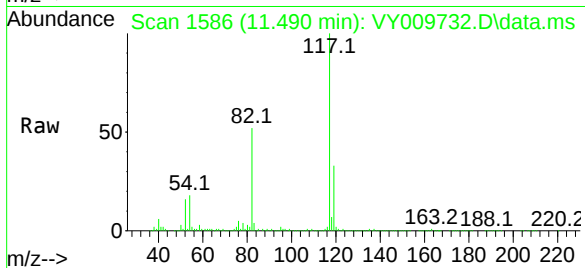
Tgt Ion:117 Resp: 397302

Ion Ratio Lower Upper

117 100

82 51.3 43.0 64.4

119 32.8 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: VY009732.D

Acq: 27 Jul 2022 18:13

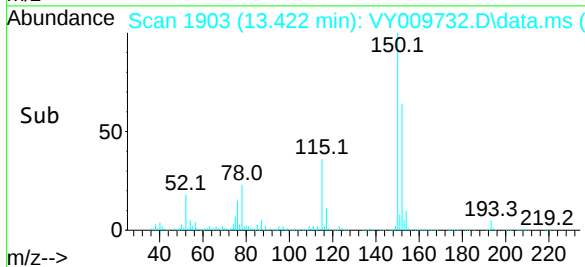
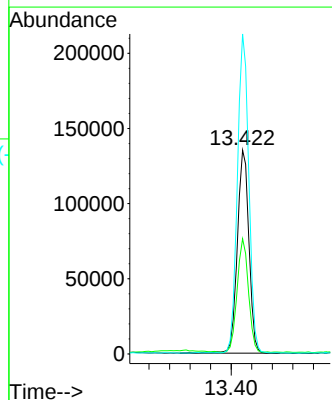
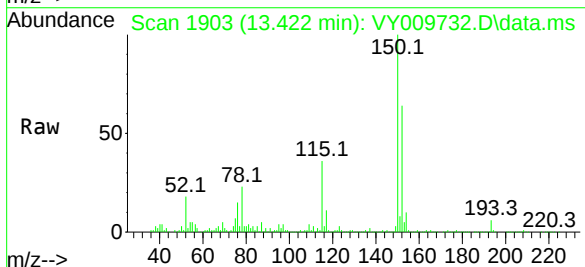
Tgt Ion:152 Resp: 212230

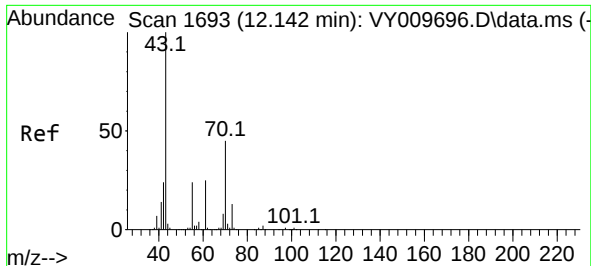
Ion Ratio Lower Upper

152 100

115 54.3 28.2 84.7

150 153.3 0.0 347.6

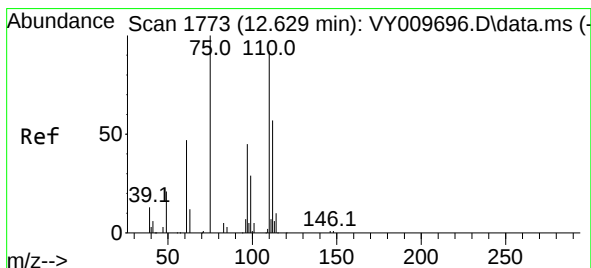
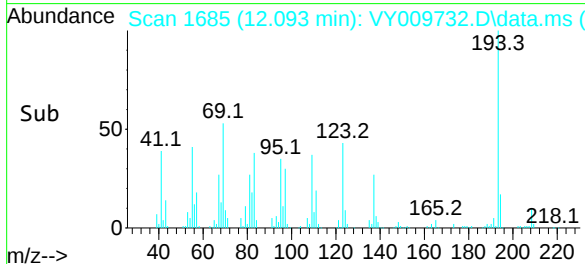
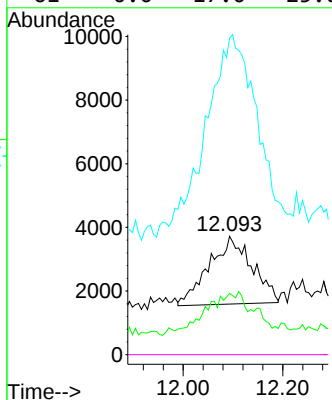
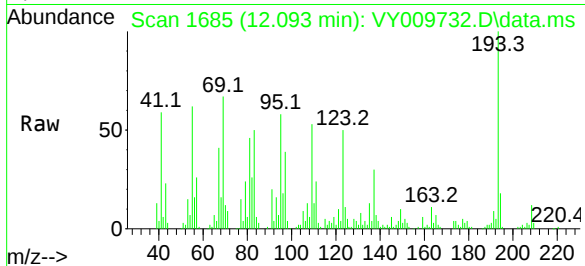




#74
N-amy1 acetate
Concen: 3.480 ug/l
RT: 12.093 min Scan# 1748
Delta R.T. -0.049 min
Lab File: VY009732.D
Acq: 27 Jul 2022 18:13

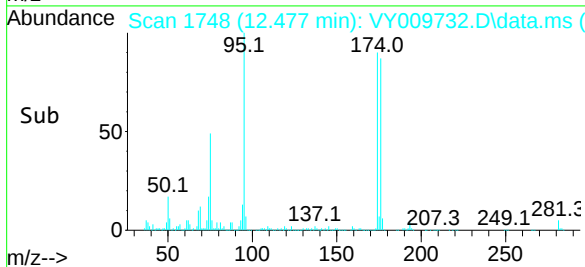
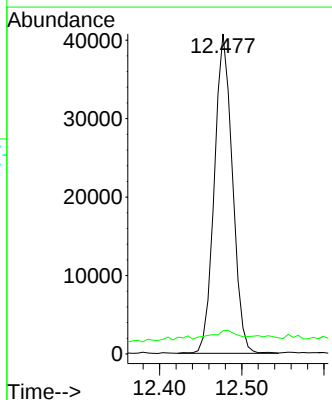
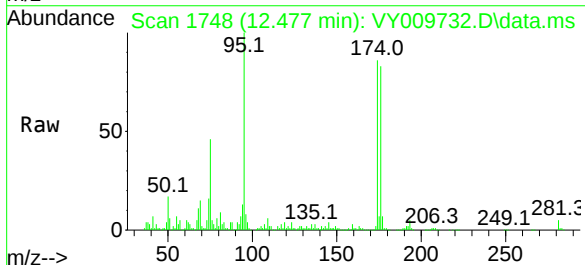
Instrument :
MSVOA_Y
ClientSampleId :
RVE-4

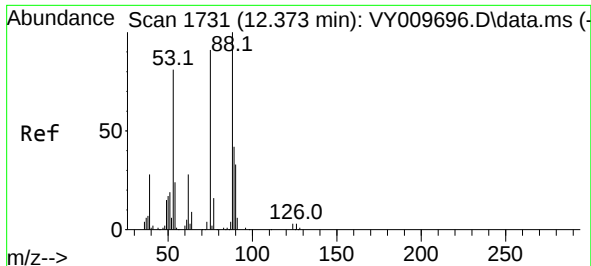
Tgt Ion: 43 Resp: 12680
Ion Ratio Lower Upper
43 100
70 15.7 28.7 43.1#
55 336.3 17.3 25.9#
61 0.0 17.0 25.6#



#76
1,2,3-Trichloropropane
Concen: 31.575 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY009732.D
Acq: 27 Jul 2022 18:13

Tgt Ion: 75 Resp: 62245
Ion Ratio Lower Upper
75 100
77 3.9 0.0 0.0#

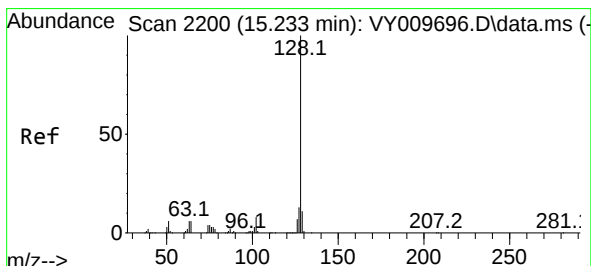
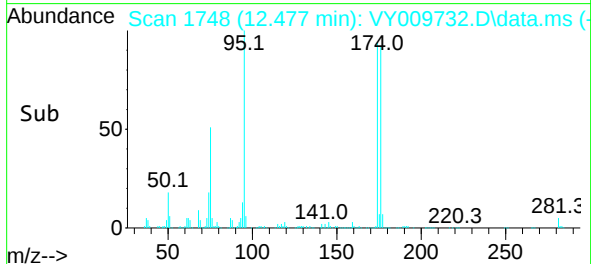
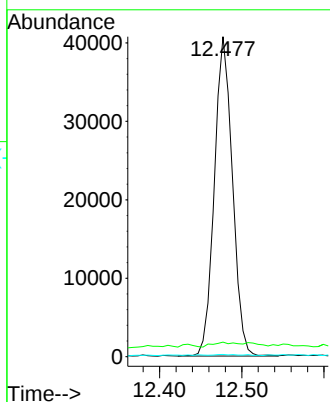
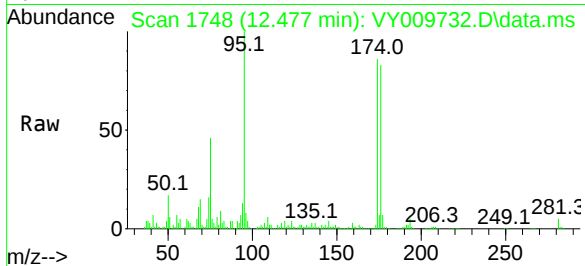




#81
trans-1,4-Dichloro-2-butene
Concen: 62.939 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009732.D
Acq: 27 Jul 2022 18:13

Instrument :
MSVOA_Y
ClientSampleId :
RVE-4

Tgt Ion: 75 Resp: 62245
Ion Ratio Lower Upper
75 100
53 2.1 85.3 127.9#
89 0.4 37.0 55.4#



#95
Naphthalene
Concen: 1.523 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY009732.D
Acq: 27 Jul 2022 18:13

Tgt Ion: 128 Resp: 11383
Ion Ratio Lower Upper
128 100
127 14.2 11.0 16.4
129 7.2 8.4 12.6#

