

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081222\
 Data File : VY009997.D
 Acq On : 12 Aug 2022 19:35
 Operator : KP/MD
 Sample : N4191-04
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RO-367

Quant Time: Aug 13 02:58:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081222S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 13 02:54:57 2022
 Response via : Initial Calibration

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

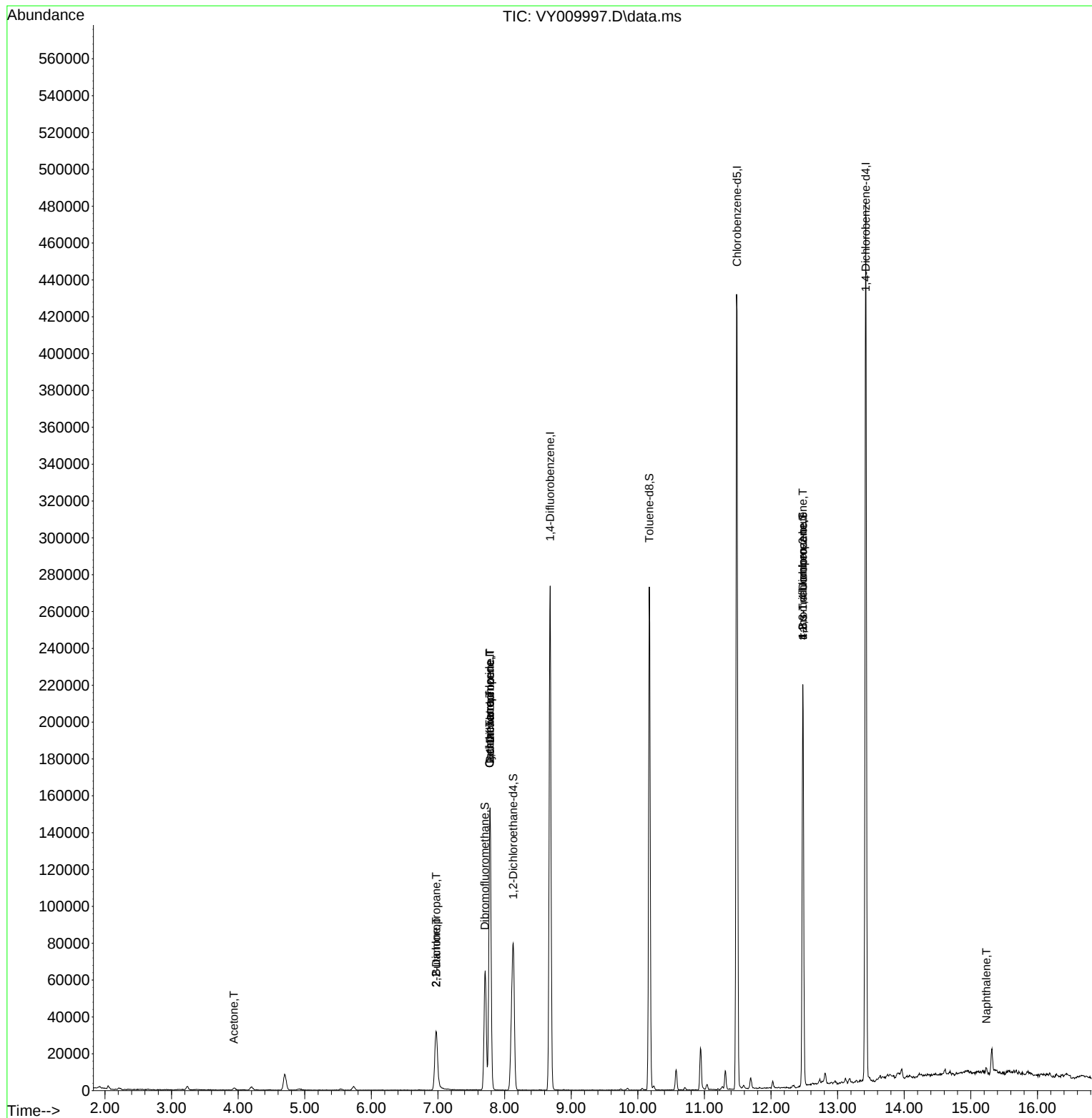
Internal Standards						
1) Pentafluorobenzene	7.783	168	119658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	239497	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	246478	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	120809	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	47604	39.218	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	78.440%
35) Dibromofluoromethane	7.703	113	48378	33.004	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	66.000%
50) Toluene-d8	10.173	98	180113	32.069	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	64.140%
62) 4-Bromofluorobenzene	12.477	95	70863	34.436	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	68.880%
Target Compounds						
					Qvalue	
5) Bromomethane	2.643	94	113	Below Cal	#	71
11) Tert butyl alcohol	4.936	59	638	Below Cal	#	78
16) Acetone	3.936	43	1978	6.785	ug/l	89
18) Methyl Acetate	4.472	43	500	Below Cal	#	52
20) Methylene Chloride	4.704	84	6954	Below Cal	#	80
25) 2-Butanone	6.972	43	1839	4.065	ug/l #	76
26) 2,2-Dichloropropane	6.972	77	2447	1.195	ug/l #	52
31) Cyclohexane	7.777	56	2312	1.064	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	9580	4.389	ug/l #	48
38) Carbon Tetrachloride	7.777	117	11852	5.441	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	32931	23.589	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	32931	51.277	ug/l #	14
95) Naphthalene	15.233	128	2758	3.613	ug/l #	87

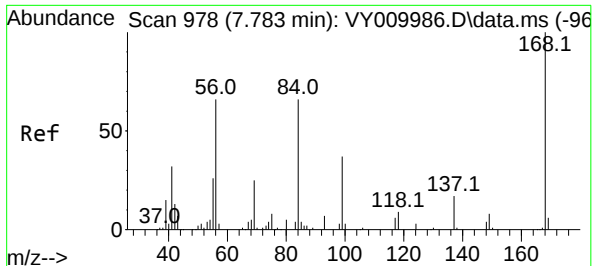
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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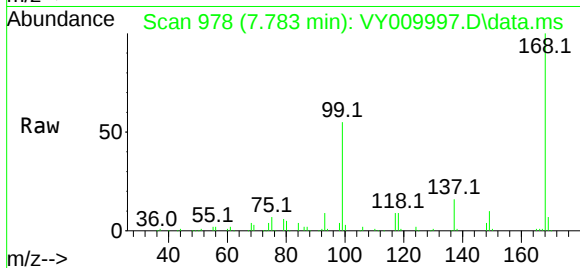
Quant Time: Aug 13 02:58:06 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081222S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 13 02:54:57 2022
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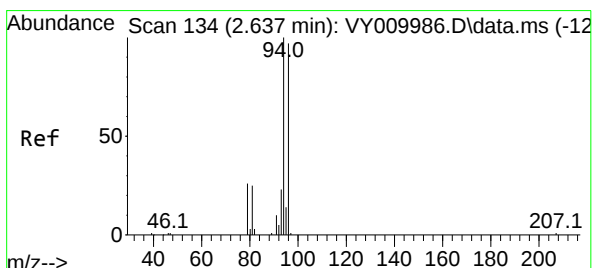
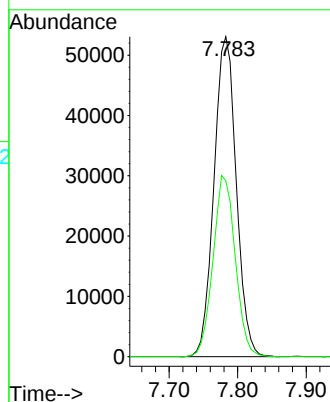
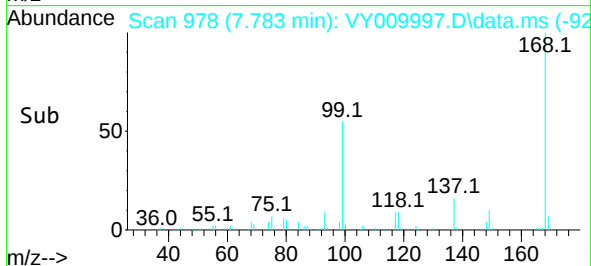


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009997.D
Acq: 12 Aug 2022 19:35

Instrument :
MSVOA_Y
ClientSampleId :
RO-367

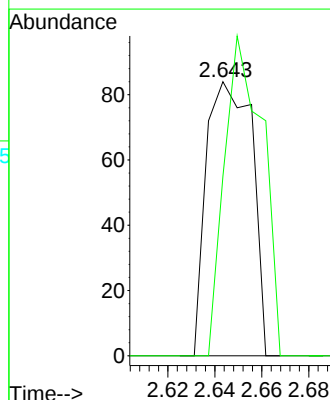
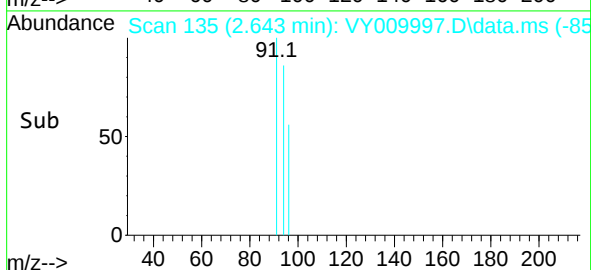
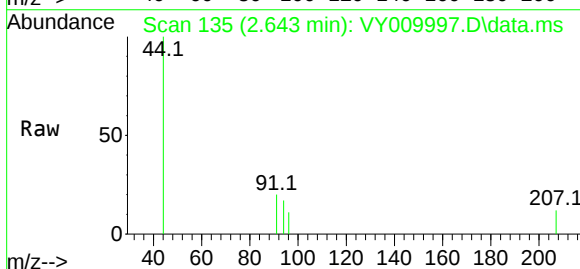


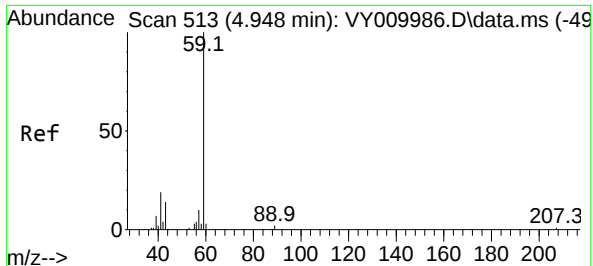
Tgt Ion:168 Resp: 119658
Ion Ratio Lower Upper
168 100
99 55.0 42.1 63.1



#5
Bromomethane
Concen: Below Cal
RT: 2.643 min Scan# 135
Delta R.T. 0.006 min
Lab File: VY009997.D
Acq: 12 Aug 2022 19:35

Tgt Ion: 94 Resp: 113
Ion Ratio Lower Upper
94 100
96 65.5 74.6 111.8#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.936 min Scan# 51

Delta R.T. -0.012 min

Lab File: VY009997.D

Acq: 12 Aug 2022 19:35

Instrument :

MSVOA_Y

ClientSampleId :

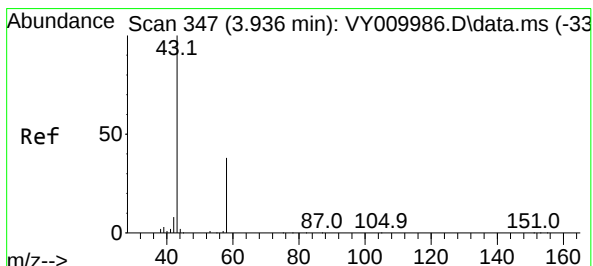
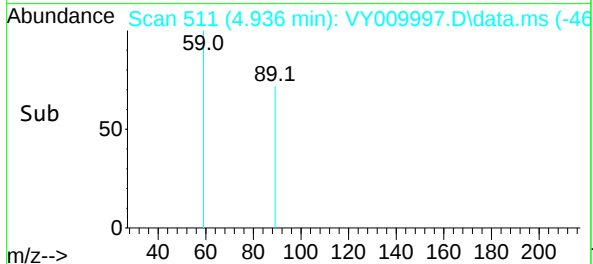
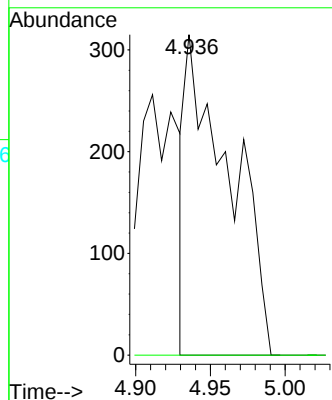
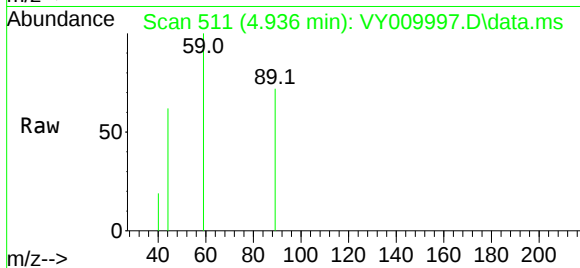
RO-367

Tgt Ion: 59 Resp: 638

Ion Ratio Lower Upper

59 100

57 0.0 6.3 9.5#



#16

Acetone

Concen: 6.785 ug/l

RT: 3.936 min Scan# 347

Delta R.T. -0.000 min

Lab File: VY009997.D

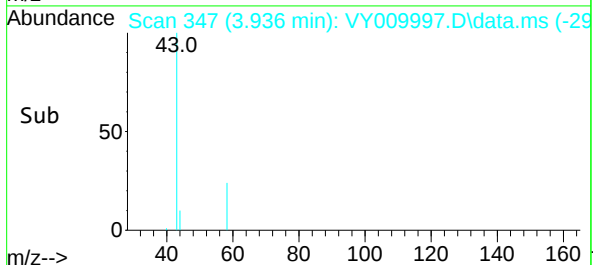
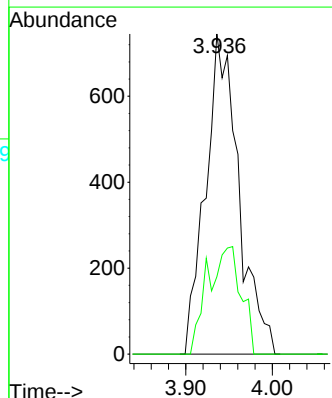
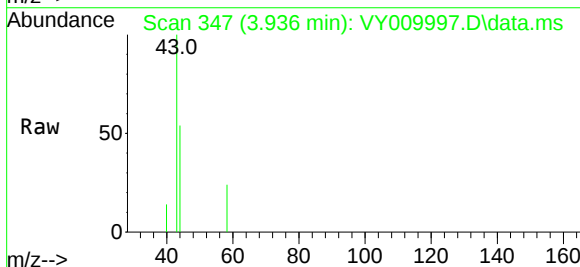
Acq: 12 Aug 2022 19:35

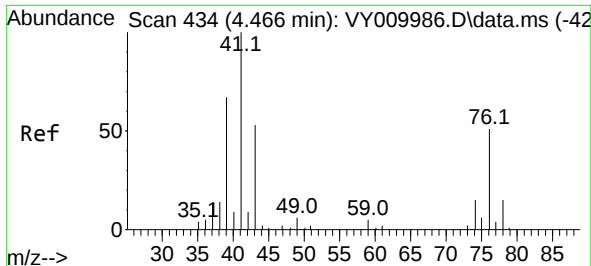
Tgt Ion: 43 Resp: 1978

Ion Ratio Lower Upper

43 100

58 24.2 24.0 36.0





#18

Methyl Acetate

Concen: Below Cal

RT: 4.472 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY009997.D

Acq: 12 Aug 2022 19:35

Instrument :

MSVOA_Y

ClientSampleId :

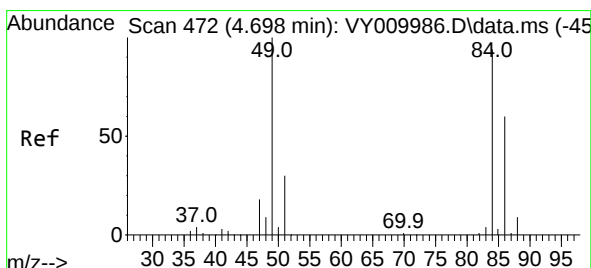
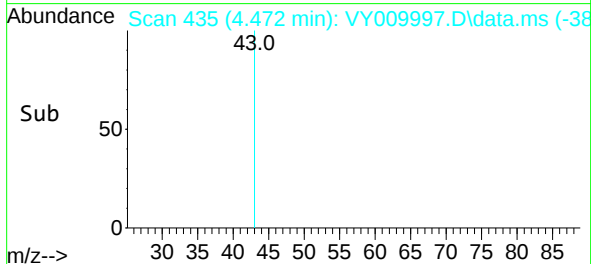
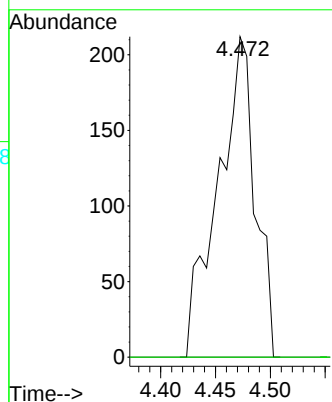
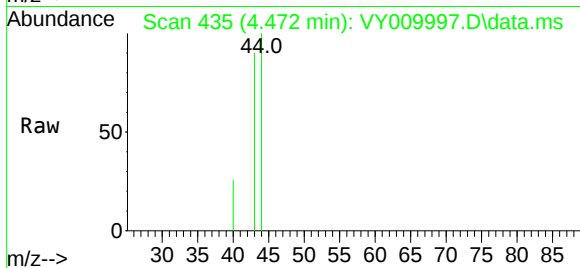
RO-367

Tgt Ion: 43 Resp: 500

Ion Ratio Lower Upper

43 100

74 0.0 18.8 28.2#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.704 min Scan# 473

Delta R.T. 0.006 min

Lab File: VY009997.D

Acq: 12 Aug 2022 19:35

Tgt Ion: 84 Resp: 6954

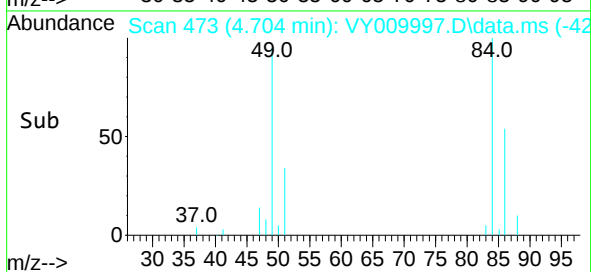
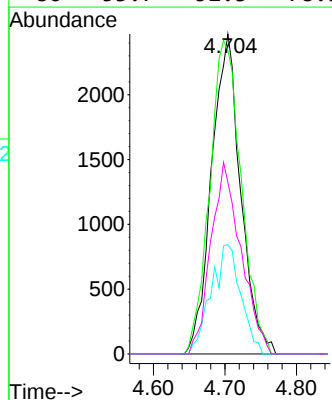
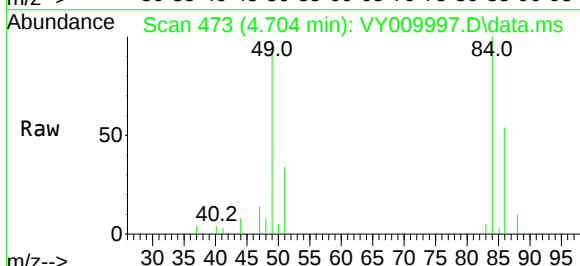
Ion Ratio Lower Upper

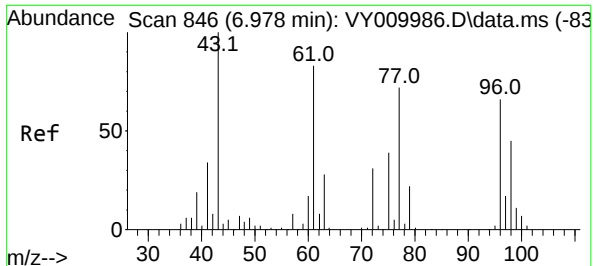
84 100

49 94.9 98.2 147.4#

51 34.1 33.4 50.0

86 53.7 52.3 78.5





#25

2-Butanone

Concen: 4.065 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY009997.D

Acq: 12 Aug 2022 19:35

Instrument :

MSVOA_Y

ClientSampleId :

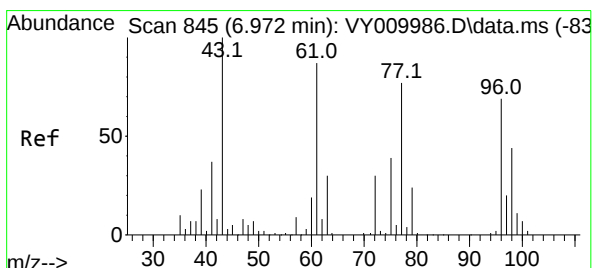
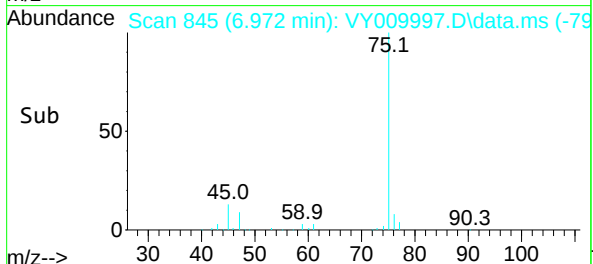
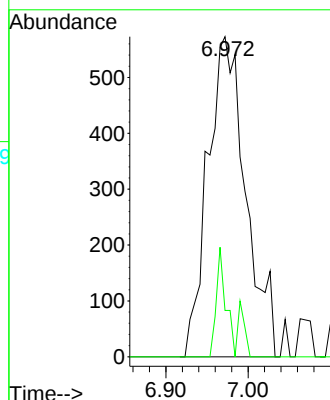
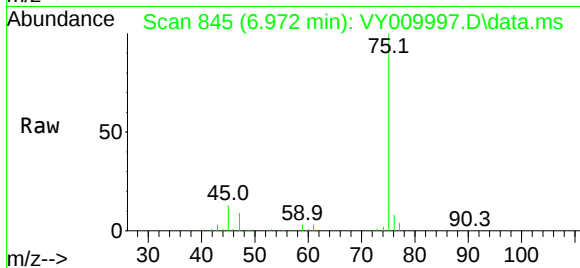
RO-367

Tgt Ion: 43 Resp: 1839

Ion Ratio Lower Upper

43 100

72 14.5 21.5 32.3#



#26

2,2-Dichloropropane

Concen: 1.195 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.000 min

Lab File: VY009997.D

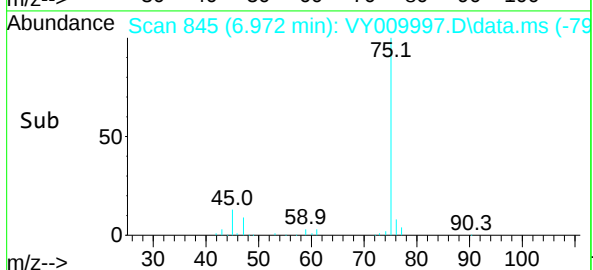
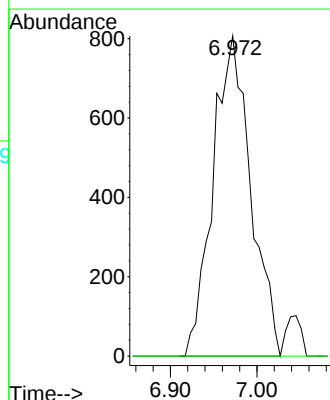
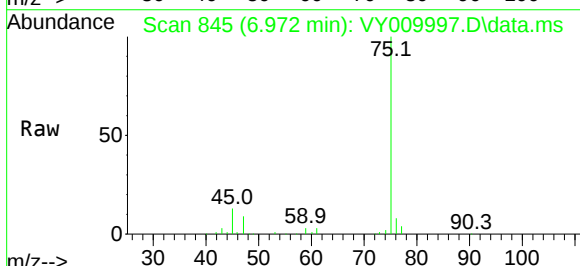
Acq: 12 Aug 2022 19:35

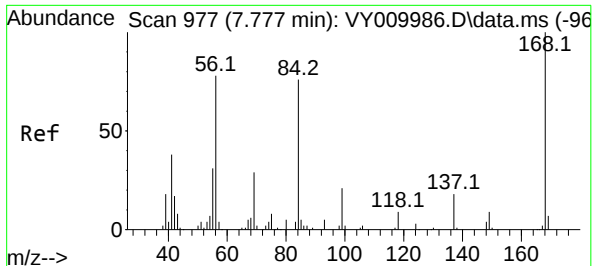
Tgt Ion: 77 Resp: 2447

Ion Ratio Lower Upper

77 100

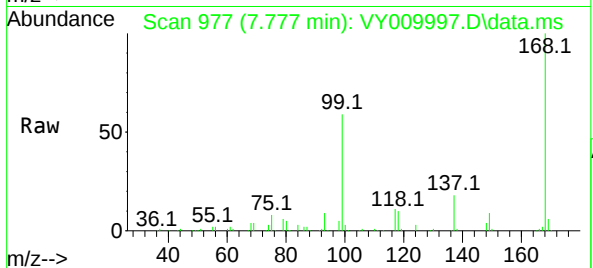
97 0.0 11.7 35.0#



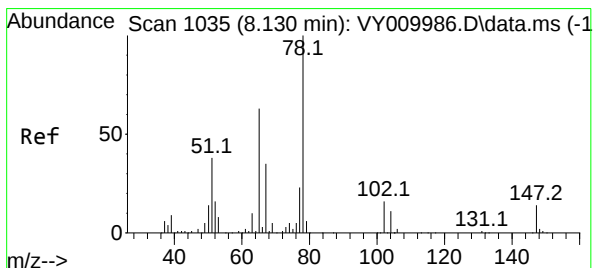
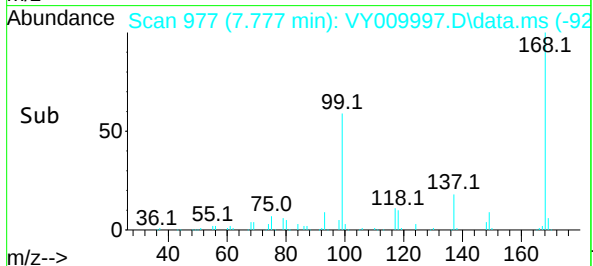
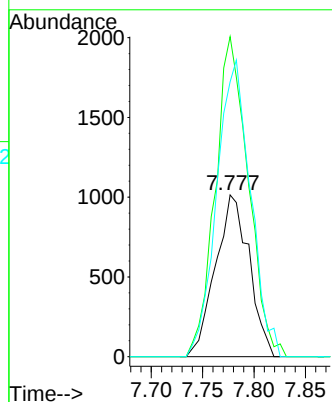


#31
Cyclohexane
Concen: 1.064 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009997.D
Acq: 12 Aug 2022 19:35

Instrument :
MSVOA_Y
ClientSampleId :
RO-367

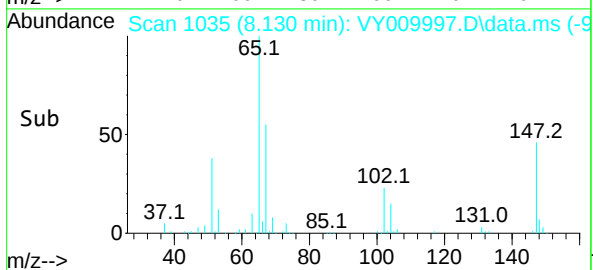
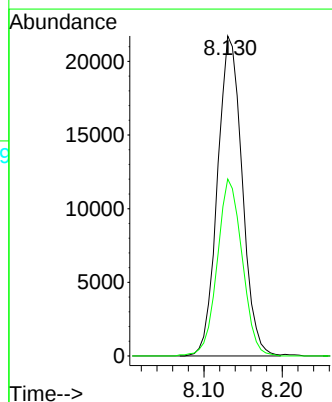
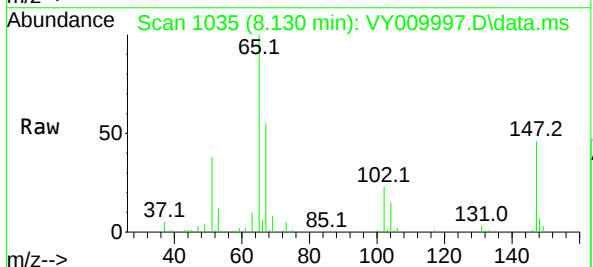


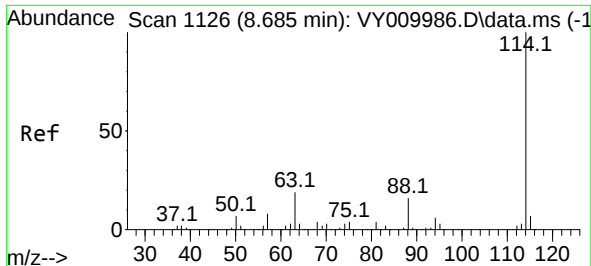
Tgt Ion: 56 Resp: 2312
Ion Ratio Lower Upper
56 100
69 197.8 26.0 39.0#
84 169.9 69.5 104.3#



#33
1,2-Dichloroethane-d4
Concen: 39.218 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.000 min
Lab File: VY009997.D
Acq: 12 Aug 2022 19:35

Tgt Ion: 65 Resp: 47604
Ion Ratio Lower Upper
65 100
67 55.9 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY009997.D

Acq: 12 Aug 2022 19:35

Instrument :

MSVOA_Y

ClientSampleId :

RO-367

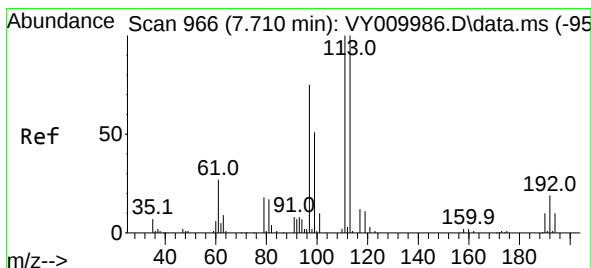
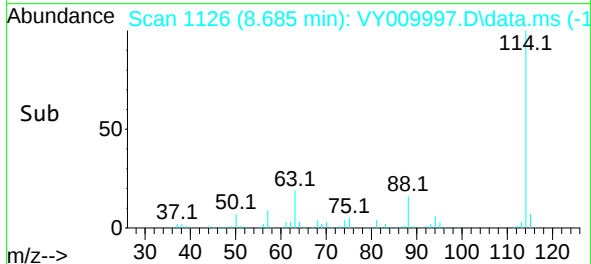
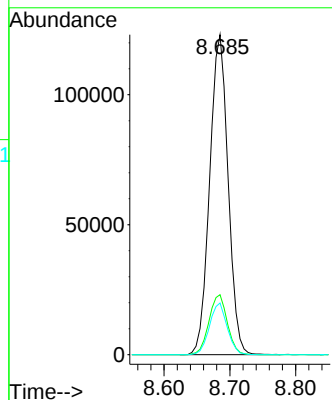
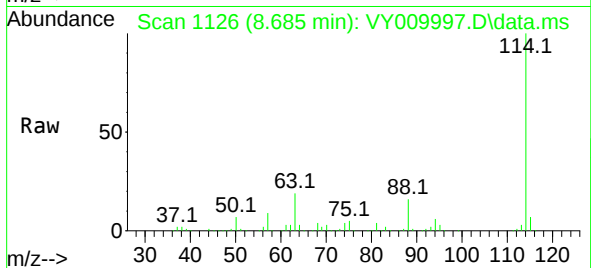
Tgt Ion:114 Resp: 239497

Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.0

88 16.2 0.0 30.0



#35

Dibromofluoromethane

Concen: 33.004 ug/l

RT: 7.703 min Scan# 965

Delta R.T. -0.006 min

Lab File: VY009997.D

Acq: 12 Aug 2022 19:35

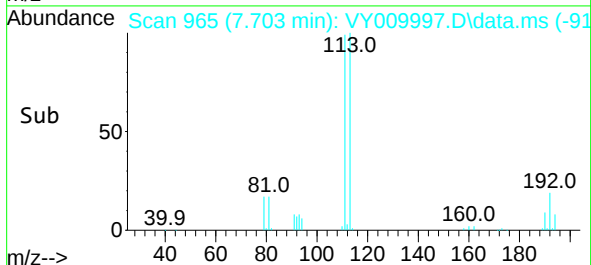
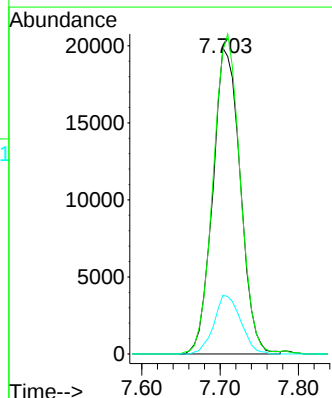
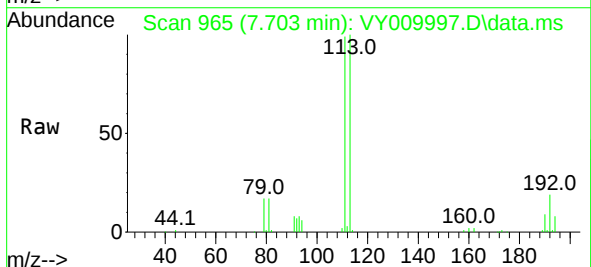
Tgt Ion:113 Resp: 48378

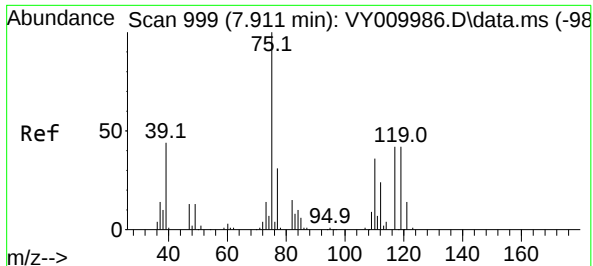
Ion Ratio Lower Upper

113 100

111 102.5 80.6 120.8

192 18.7 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.389 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY009997.D

Acq: 12 Aug 2022 19:35

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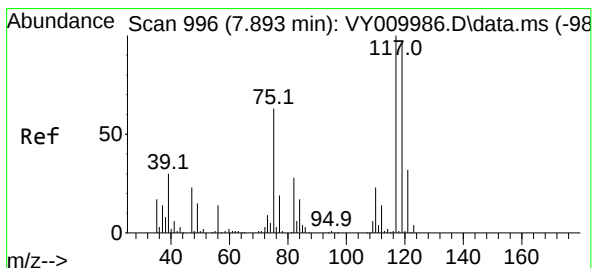
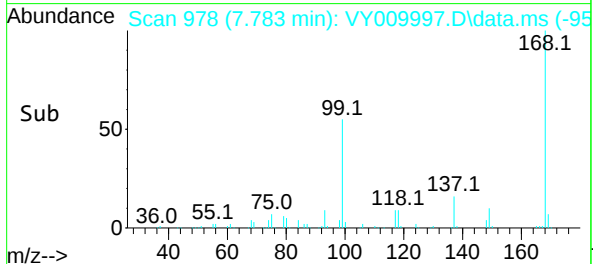
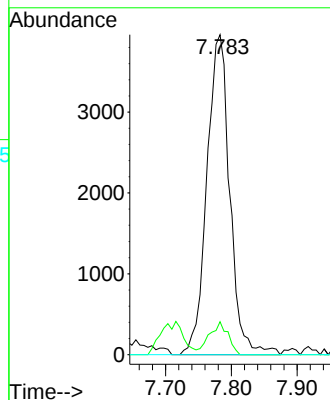
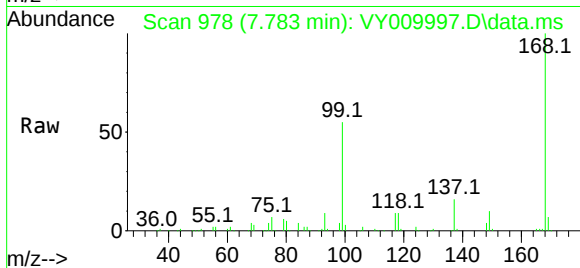
Tgt Ion: 75 Resp: 9580

Ion Ratio Lower Upper

75 100

110 8.4 18.6 56.0#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.441 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.116 min

Lab File: VY009997.D

Acq: 12 Aug 2022 19:35

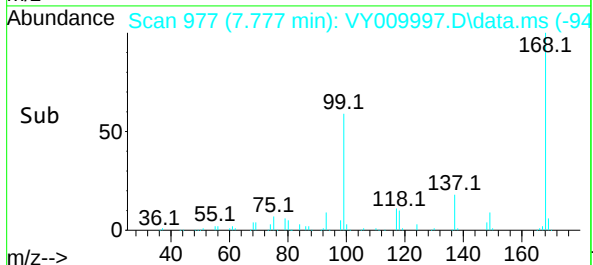
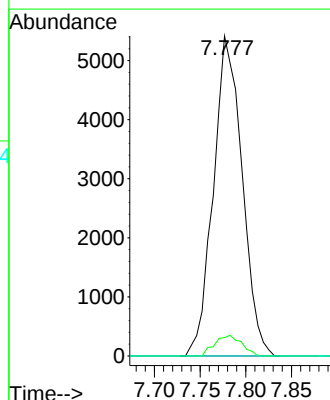
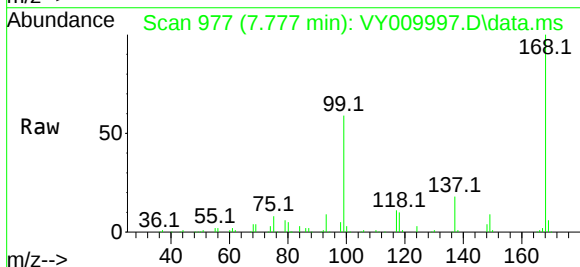
Tgt Ion: 117 Resp: 11852

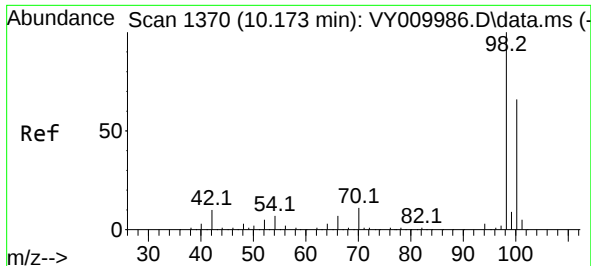
Ion Ratio Lower Upper

117 100

119 5.7 75.9 113.9#

121 0.0 24.9 37.3#

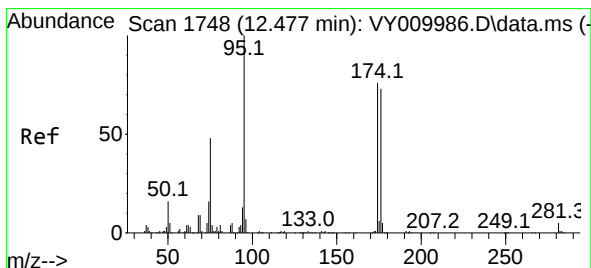
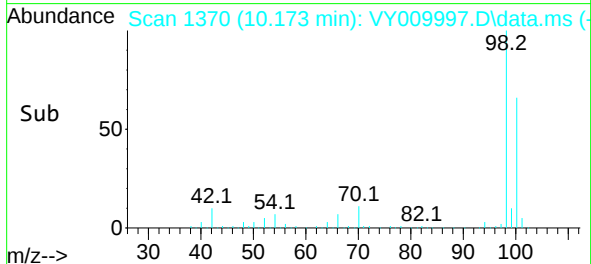
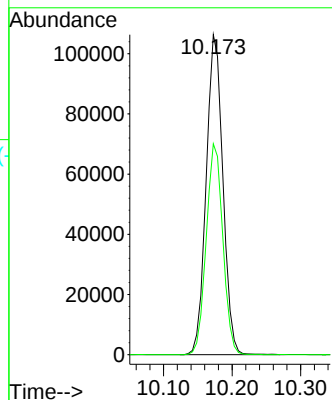
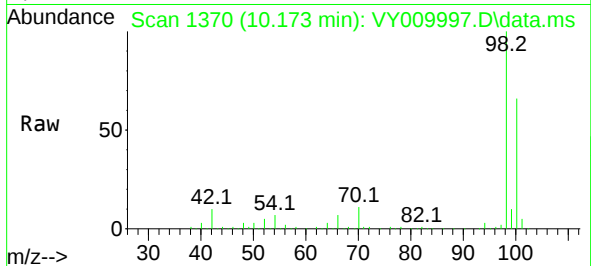




#50
Toluene-d8
Concen: 32.069 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009997.D
Acq: 12 Aug 2022 19:35

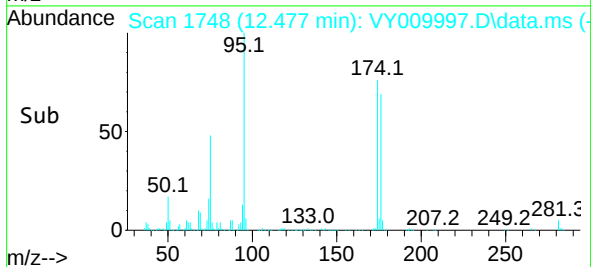
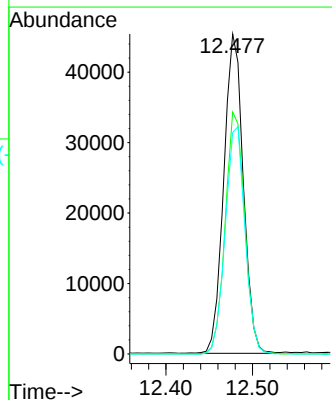
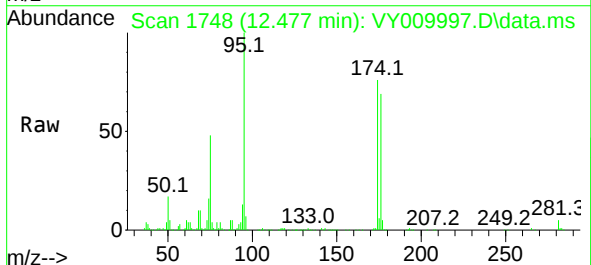
Instrument :
MSVOA_Y
ClientSampleId :
RO-367

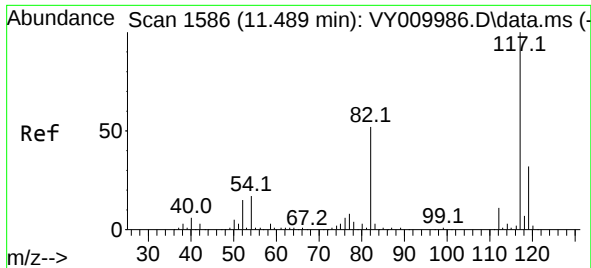
Tgt Ion: 98 Resp: 180113
Ion Ratio Lower Upper
98 100
100 65.6 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 34.436 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY009997.D
Acq: 12 Aug 2022 19:35

Tgt Ion: 95 Resp: 70863
Ion Ratio Lower Upper
95 100
174 75.6 0.0 173.8
176 72.0 0.0 167.0

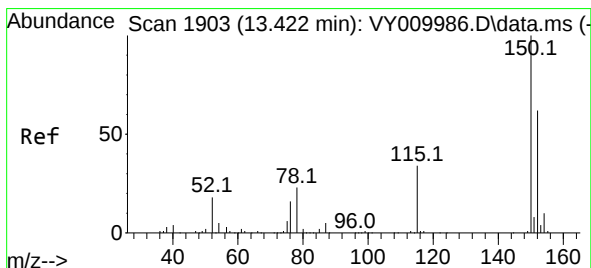
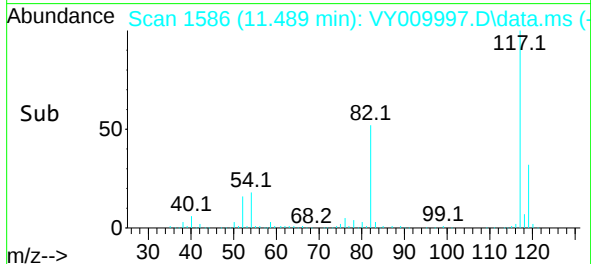
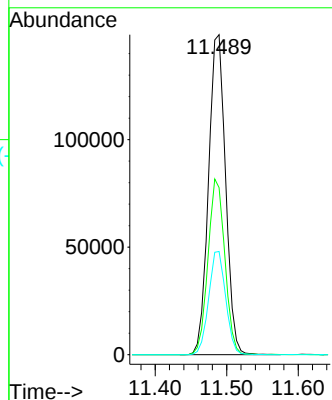
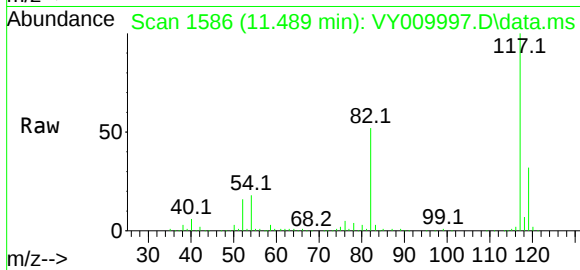




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009997.D
Acq: 12 Aug 2022 19:35

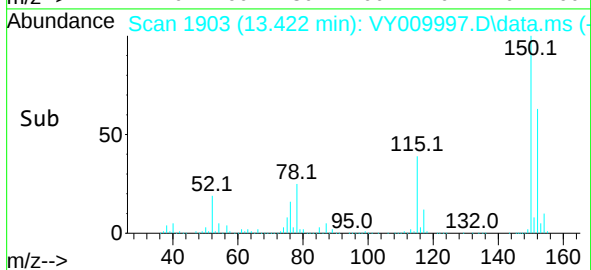
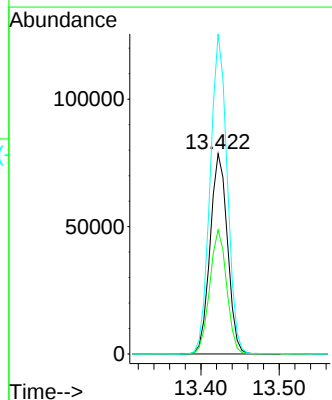
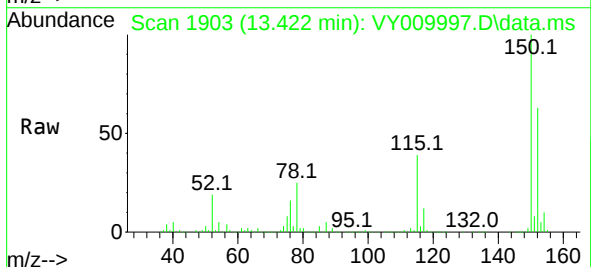
Instrument :
MSVOA_Y
ClientSampleId :
RO-367

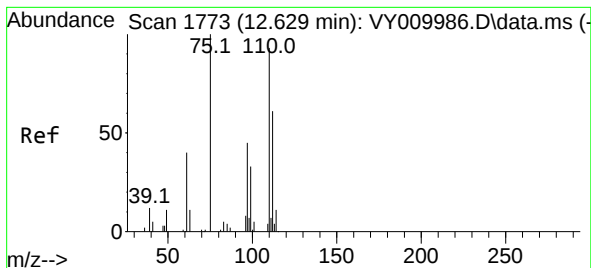
Tgt Ion:117 Resp: 246478
Ion Ratio Lower Upper
117 100
82 52.2 41.8 62.6
119 32.2 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY009997.D
Acq: 12 Aug 2022 19:35

Tgt Ion:152 Resp: 120809
Ion Ratio Lower Upper
152 100
115 60.5 28.6 85.9
150 156.8 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 23.589 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY009997.D

Acq: 12 Aug 2022 19:35

Instrument :

MSVOA_Y

ClientSampleId :

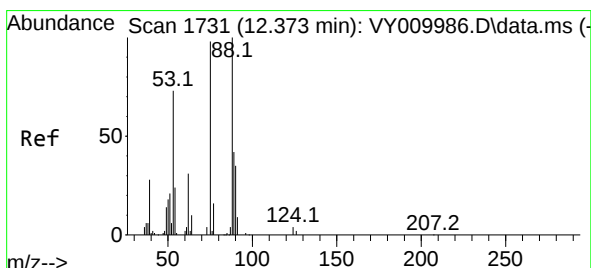
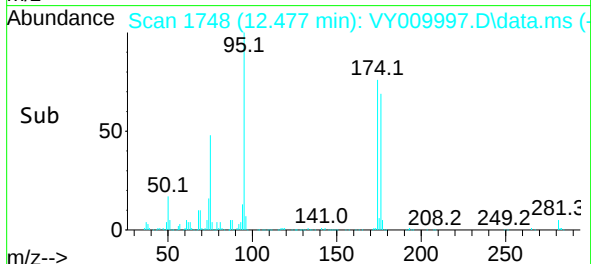
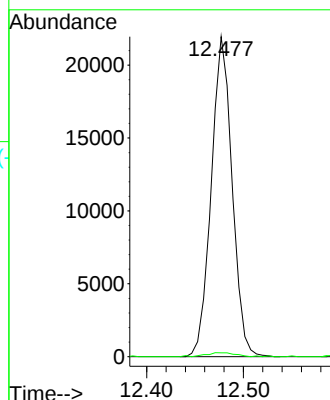
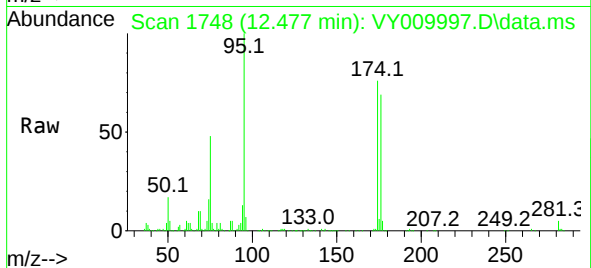
RO-367

Tgt Ion: 75 Resp: 32931

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 51.277 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.104 min

Lab File: VY009997.D

Acq: 12 Aug 2022 19:35

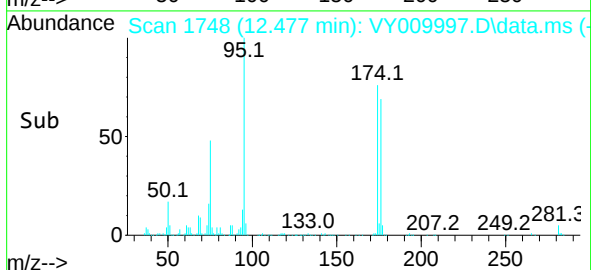
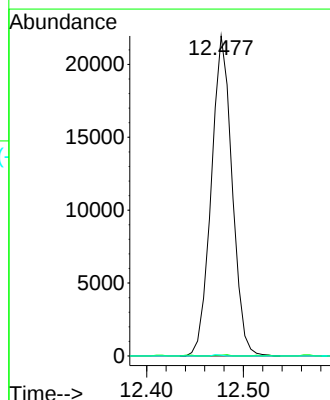
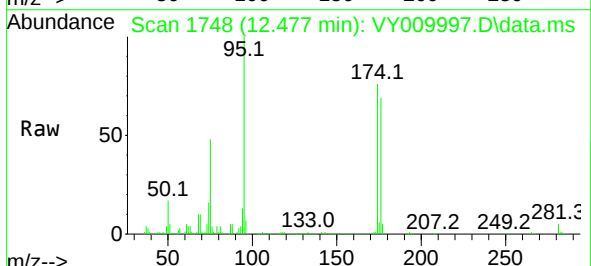
Tgt Ion: 75 Resp: 32931

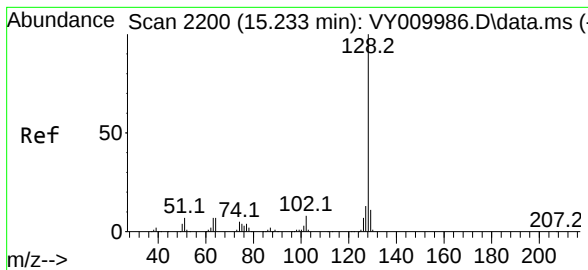
Ion Ratio Lower Upper

75 100

53 0.2 71.4 107.2#

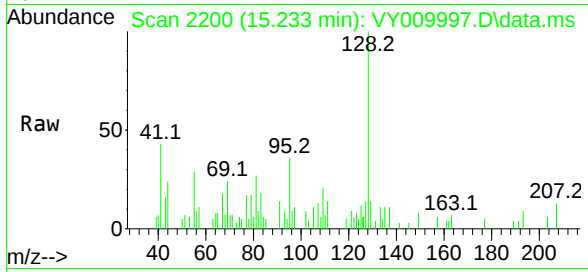
89 0.2 38.1 57.1#





#95
 Naphthalene
 Concen: 3.613 ug/l
 RT: 15.233 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY009997.D
 Acq: 12 Aug 2022 19:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 RO-367



Tgt Ion:	128	Resp:	2758
Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.6	15.8
129	20.7	8.8	13.2#

