

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR062118\
 Data File : VR025391.D
 Acq On : 21 Jun 2018 10:12
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00593

Quant Time: Jun 22 02:44:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR061518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 21 01:40:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	724067	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	587341	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	246416	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	94133	3.82	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.40%
7) Chloroethane-d5	2.63	69	71863	3.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.20%
11) 1,1-Dichloroethene-d2	3.63	63	271908	4.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.80%
20) 2-Butanone-d5	6.60	46	261876	39.61	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.22%
24) Chloroform-d	7.20	84	405542	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.00%
26) 1,2-Dichloroethane-d4	7.89	65	145982	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.80%
32) Benzene-d6	7.86	84	861104	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
36) 1,2-Dichloropropane-d6	8.90	67	244558	4.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.40%
41) Toluene-d8	9.97	98	771300	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.60%
43) trans-1,3-Dichloropropene-	10.24	79	58585	3.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.80%
46) 2-Hexanone-d5	10.59	63	232451	44.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.96%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	103171	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.80%
64) 1,2-Dichlorobenzene-d4	13.51	152	170385	4.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	81.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	219789	4.696 ug/L	100
3) Chloromethane	2.01	50	127679	3.769 ug/L	97
5) Vinyl chloride	2.16	62	119022	3.970 ug/L	91
6) Bromomethane	2.53	94	67918	4.647 ug/L	90
8) Chloroethane	2.67	64	68147	4.354 ug/L	100
9) Trichlorofluoromethane	2.98	101	226020	5.161 ug/L #	36
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	121093	4.714 ug/L	97
12) 1,1-Dichloroethene	3.66	96	114471	4.497 ug/L	86
13) Acetone	3.70	43	142307	47.665 ug/L	100
14) Carbon disulfide	3.96	76	220020	4.109 ug/L	96
15) Methyl Acetate	4.20	43	30029	4.000 ug/L	95
16) Methylene chloride	4.41	84	100618	4.345 ug/L	92
17) Methyl tert-butyl Ether	4.90	73	346238	4.563 ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	259221	4.954 ug/L	87
19) 1,1-Dichloroethane	5.69	63	483845	4.922 ug/L	99
21) 2-Butanone	6.69	43	352172	49.906 ug/L	98
22) cis-1,2-Dichloroethene	6.68	96	274466	5.027 ug/L #	100

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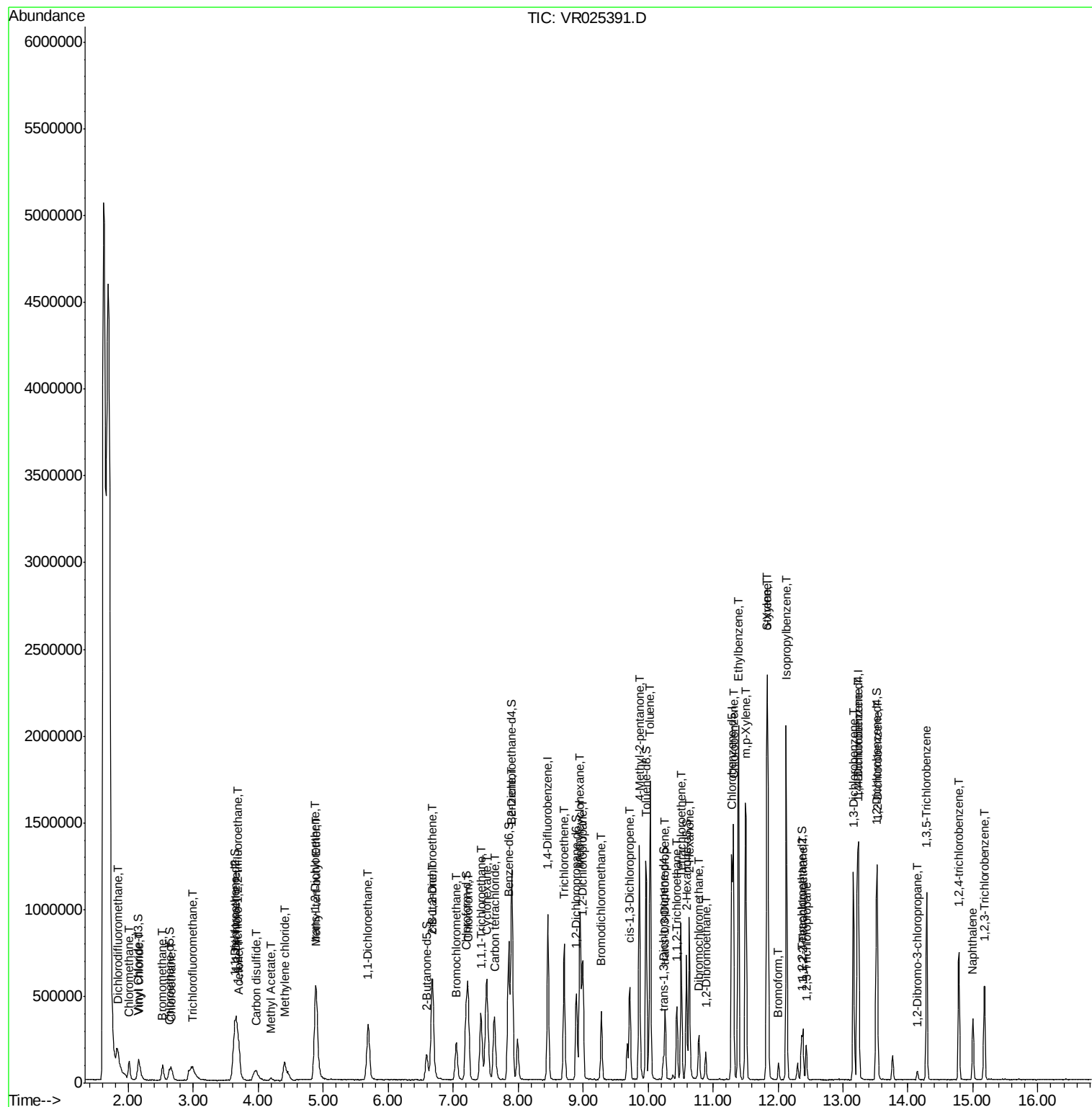
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	79032	4.943	ug/L	97
25) Chloroform	7.23	83	455567	5.070	ug/L	97
29) 1,1,1-Trichloroethane	7.42	97	333724	4.784	ug/L	99
30) Cyclohexane	7.52	56	391332	4.394	ug/L	100
31) Carbon tetrachloride	7.64	117	292993	4.783	ug/L	94
33) Benzene	7.91	78	1120495	4.859	ug/L	100
34) Trichloroethene	8.71	95	260870	4.676	ug/L	97
35) Methylcyclohexane	8.96	83	399890	4.542	ug/L	99
37) 1,2-Dichloropropane	8.99	63	258771	5.048	ug/L	99
38) Bromodichloromethane	9.28	83	251254	5.054	ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	290562	4.813	ug/L	99
40) 4-Methyl-2-pentanone	9.86	43	837627	50.493	ug/L	98
42) Toluene	10.03	91	1143482	4.627	ug/L	98
44) trans-1,3-Dichloropropene	10.27	75	202479	4.876	ug/L	99
45) 1,1,2-Trichloroethane	10.44	97	119426	5.018	ug/L	97
47) Tetrachloroethene	10.51	164	178527	4.793	ug/L	95
48) 2-Hexanone	10.63	43	569078	53.815	ug/L	97
49) Dibromochloromethane	10.78	129	118337	5.165	ug/L	99
50) 1,2-Dibromoethane	10.89	107	94884	4.973	ug/L	89
51) Chlorobenzene	11.31	112	652199	4.928	ug/L	98
52) Ethylbenzene	11.39	91	1278054	5.213	ug/L	99
53) m,p-Xylene	11.50	106	477985	5.107	ug/L	94
54) o-Xylene	11.83	106	436272	5.216	ug/L	99
55) Styrene	11.84	104	710608	5.528	ug/L	96
56) Isopropylbenzene	12.13	105	1200229	5.336	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.38	83	121642	5.519	ug/L #	97
59) 1,2,3-Trichloropropane	12.44	75	80466	5.059	ug/L	98
61) Bromoform	12.01	173	38780	4.413	ug/L	99
62) 1,3-Dichlorobenzene	13.16	146	404813	4.681	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	416441	4.816	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	339750	4.902	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.14	75	11939	4.360	ug/L #	56
67) 1,3,5-Trichlorobenzene	14.29	180	279283	4.876	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	188943	4.739	ug/L	97
69) Naphthalene	15.00	128	246731	4.754	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	147504	4.780	ug/L	99

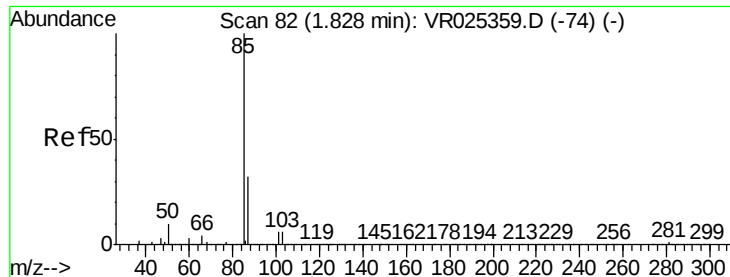
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.696 ug/L

RT: 1.83 min Scan# 83

Delta R.T. -0.00 min

Lab File: VR025391.D

Acq: 21 Jun 2018 10:12

Instrument :

MSVOA_R

ClientSampleId :

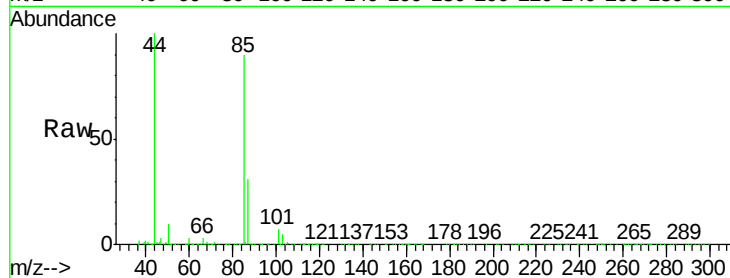
VSTD00593

Tgt Ion: 85 Resp: 219789

Ion Ratio Lower Upper

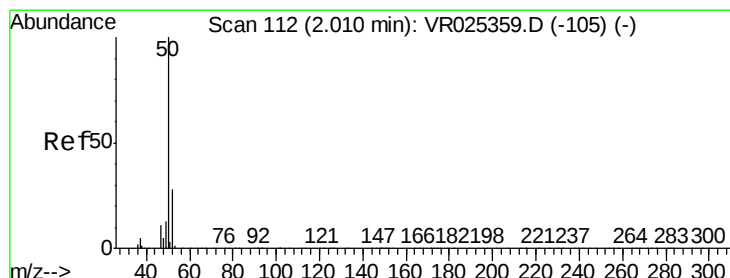
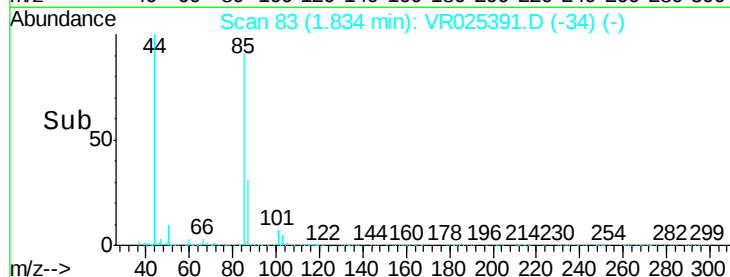
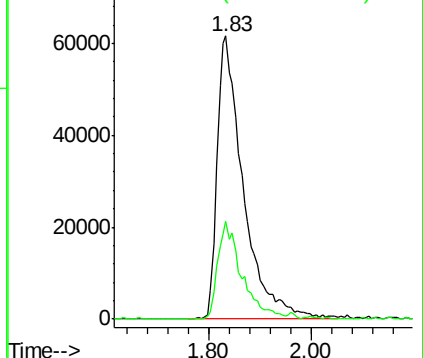
85 100

87 31.7 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 3.769 ug/L

RT: 2.01 min Scan# 112

Delta R.T. -0.00 min

Lab File: VR025391.D

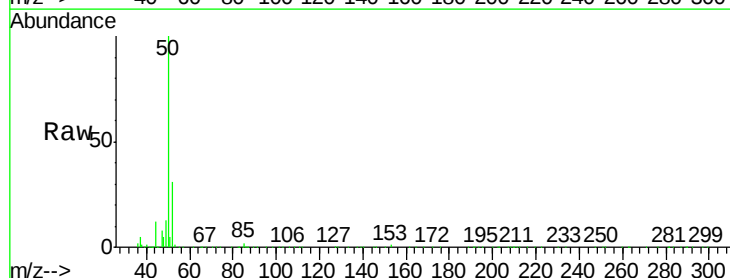
Acq: 21 Jun 2018 10:12

Tgt Ion: 50 Resp: 127679

Ion Ratio Lower Upper

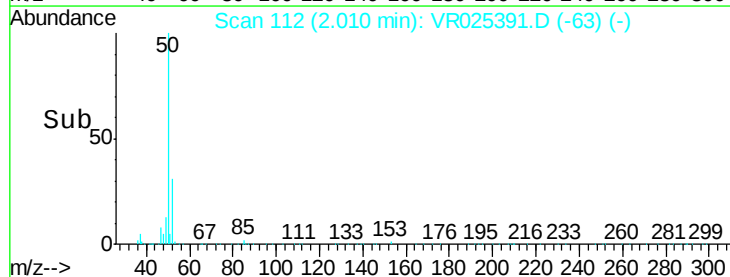
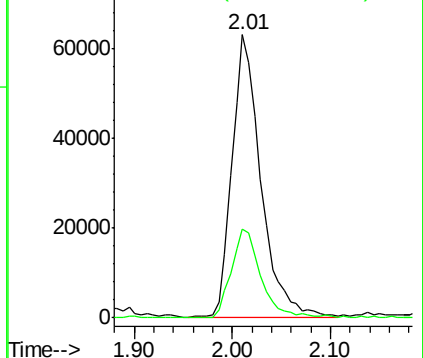
50 100

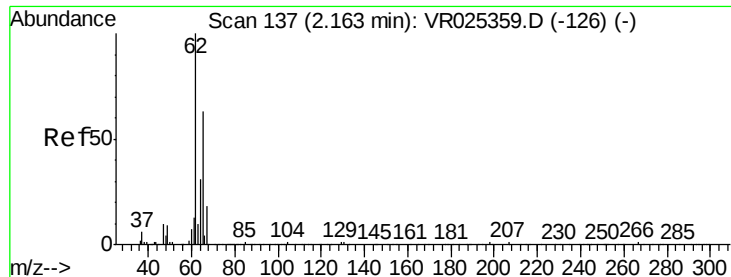
52 31.2 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 3.970 ug/L

RT: 2.16 min Scan# 137

Delta R.T. -0.00 min

Lab File: VR025391.D

Acq: 21 Jun 2018 10:12

Instrument :

MSVOA_R

ClientSampleId :

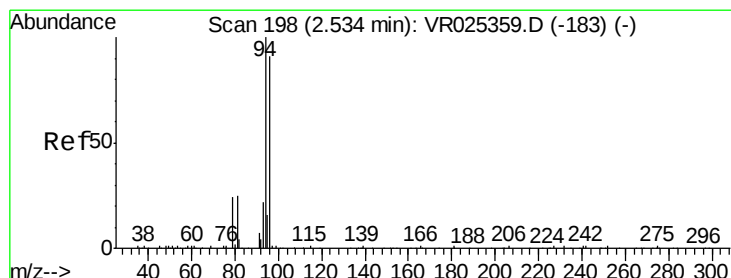
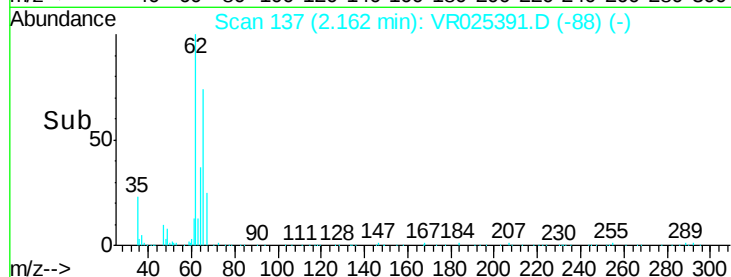
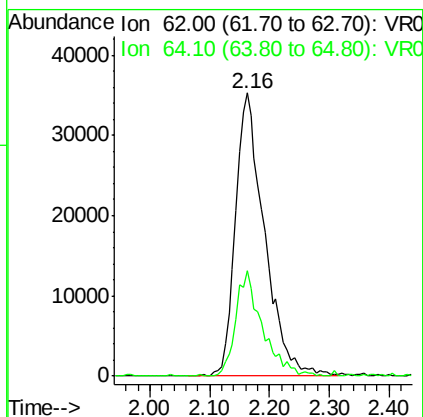
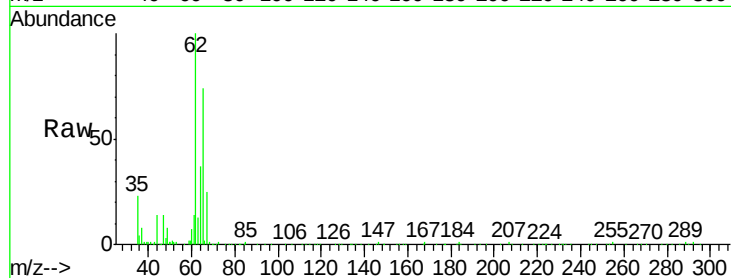
VSTD00593

Tgt Ion: 62 Resp: 119022

Ion Ratio Lower Upper

62 100

64 37.4 22.8 42.4



#6

Bromomethane

Concen: 4.647 ug/L

RT: 2.53 min Scan# 197

Delta R.T. -0.00 min

Lab File: VR025391.D

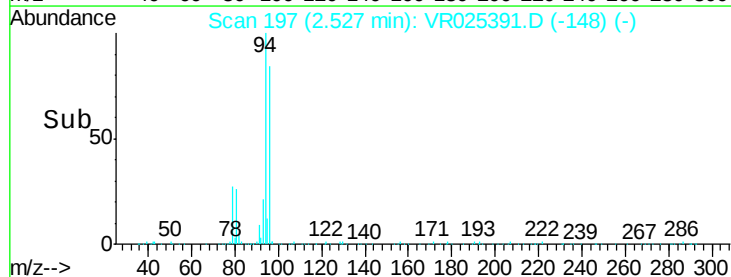
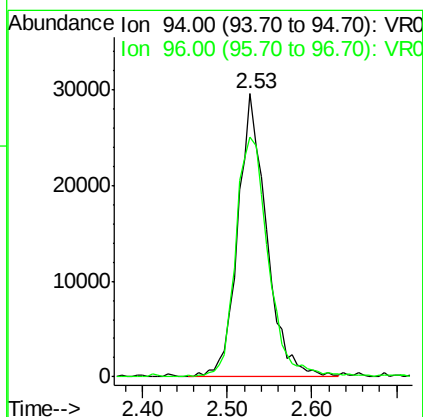
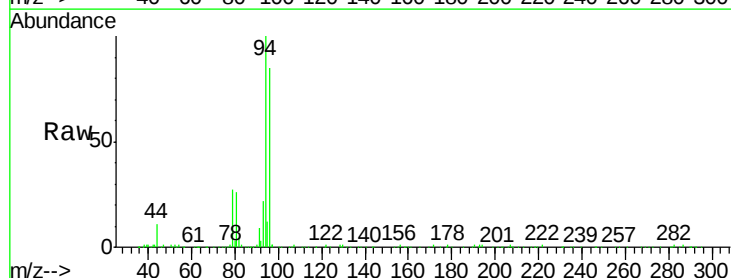
Acq: 21 Jun 2018 10:12

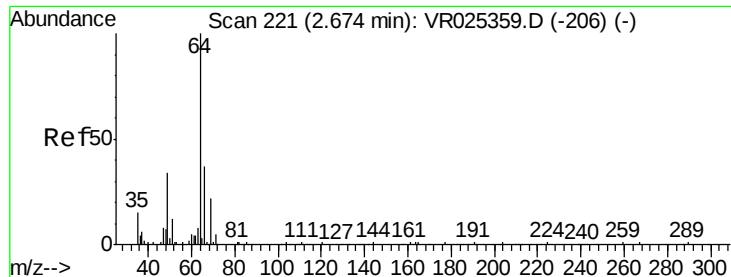
Tgt Ion: 94 Resp: 67918

Ion Ratio Lower Upper

94 100

96 84.9 65.9 122.3





#8

Chloroethane

Concen: 4.354 ug/L

RT: 2.67 min Scan# 220

Delta R.T. -0.00 min

Lab File: VR025391.D

Acq: 21 Jun 2018 10:12

Instrument :

MSVOA_R

ClientSampleId :

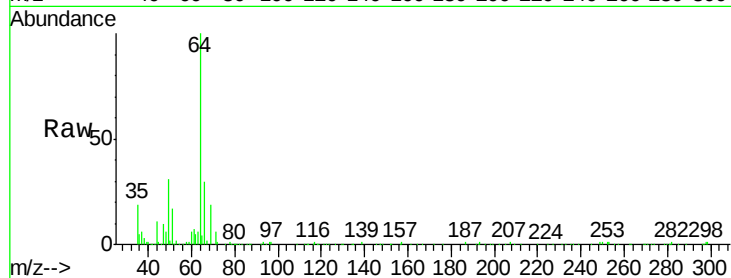
VSTD00593

Tgt Ion: 64 Resp: 68147

Ion Ratio Lower Upper

64 100

66 30.3 21.3 39.5



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0

2.67

25000

20000

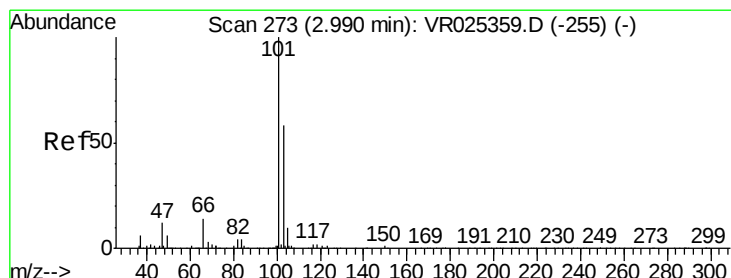
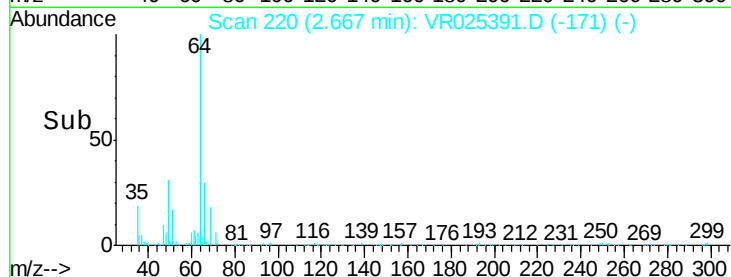
15000

10000

5000

0

Time-->



#9

Trichlorofluoromethane

Concen: 5.161 ug/L

RT: 2.98 min Scan# 272

Delta R.T. -0.00 min

Lab File: VR025391.D

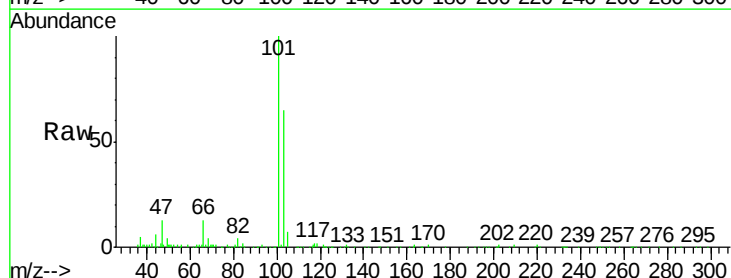
Acq: 21 Jun 2018 10:12

Tgt Ion: 101 Resp: 226020

Ion Ratio Lower Upper

101 100

103 39.6 11.0 16.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

2.98

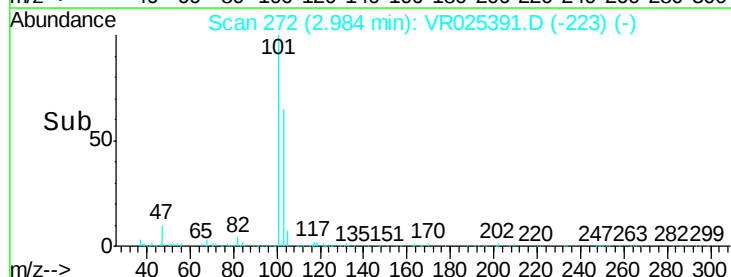
30000

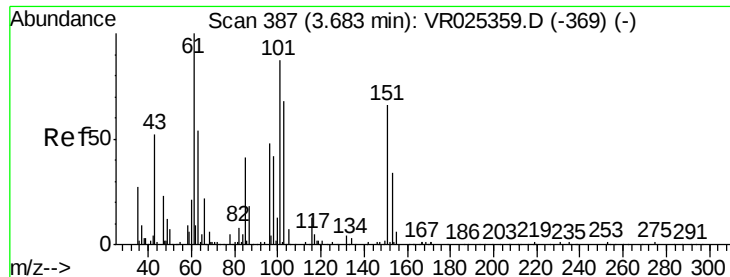
20000

10000

0

Time-->





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 4.714 ug/L

RT: 3.68 min Scan# 387

Delta R.T. -0.00 min

Lab File: VR025391.D

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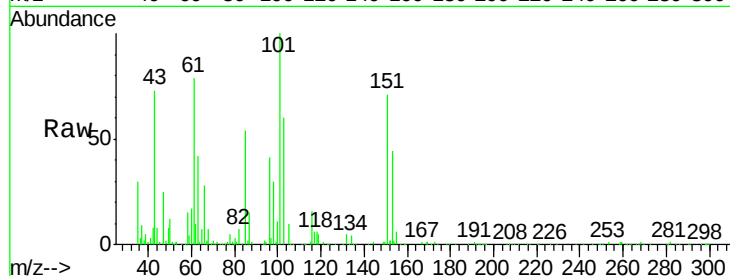
Tgt Ion:101 Resp: 121093

Ion Ratio Lower Upper

101 100

85 50.4 39.1 58.7

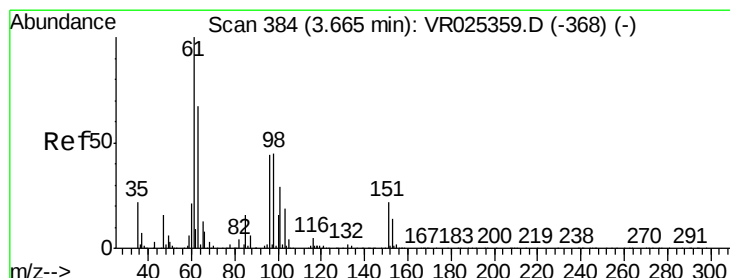
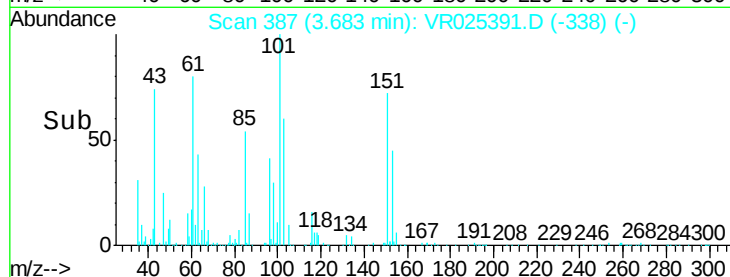
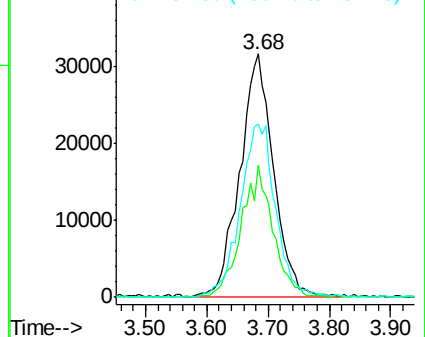
151 74.6 57.5 86.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.497 ug/L

RT: 3.66 min Scan# 383

Delta R.T. -0.00 min

Lab File: VR025391.D

Acq: 21 Jun 2018 10:12

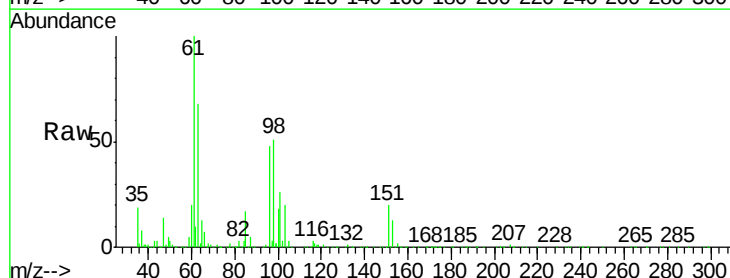
Tgt Ion: 96 Resp: 114471

Ion Ratio Lower Upper

96 100

61 209.7 155.0 287.9

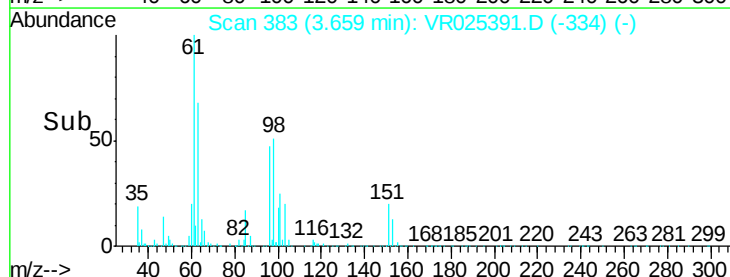
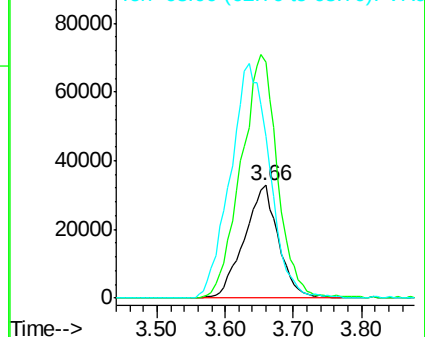
63 143.6 122.3 227.1

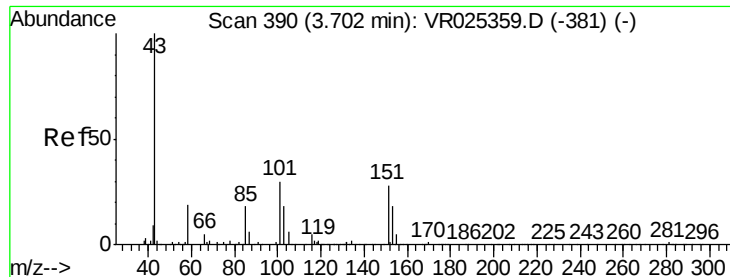


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 47.665 ug/L

RT: 3.70 min Scan# 390

Delta R.T. -0.00 min

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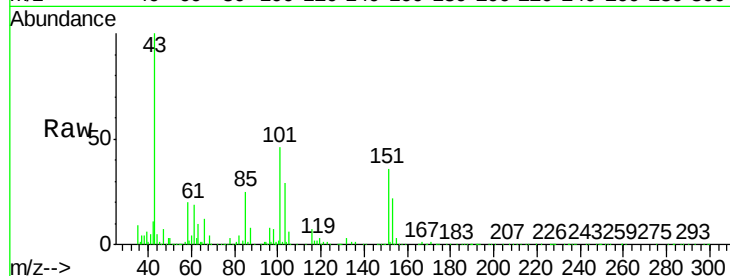
VSTD00593

Tgt Ion: 43 Resp: 142307

Ion Ratio Lower Upper

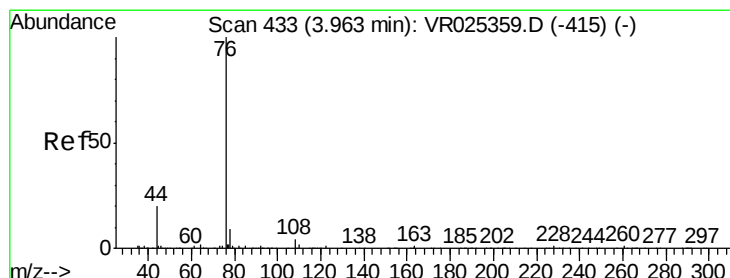
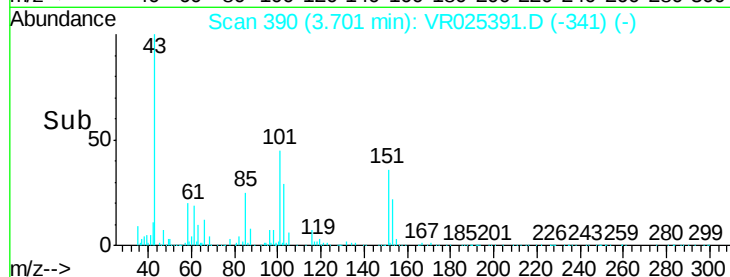
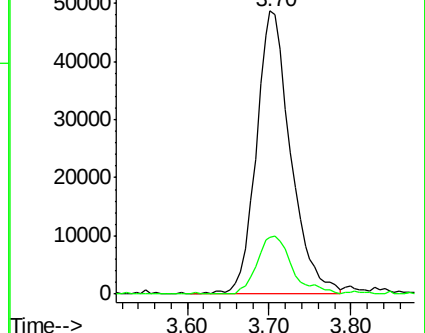
43 100

58 20.9 0.0 41.6



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#14

Carbon disulfide

Concen: 4.109 ug/L

RT: 3.96 min Scan# 433

Delta R.T. -0.00 min

Lab File: VR025391.D

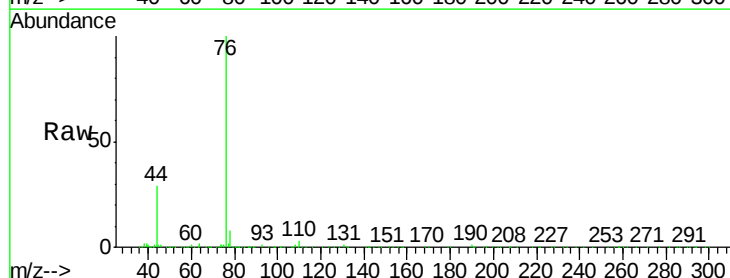
Acq: 21 Jun 2018 10:12

Tgt Ion: 76 Resp: 220020

Ion Ratio Lower Upper

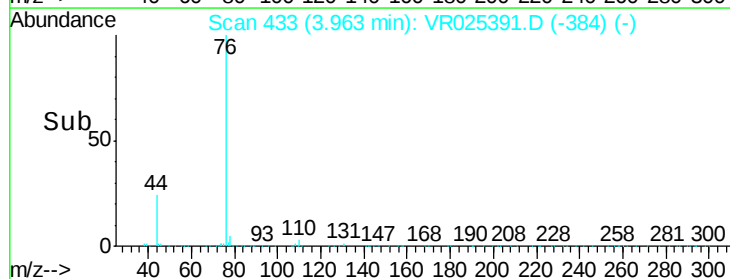
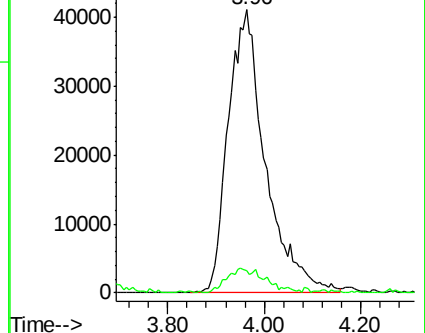
76 100

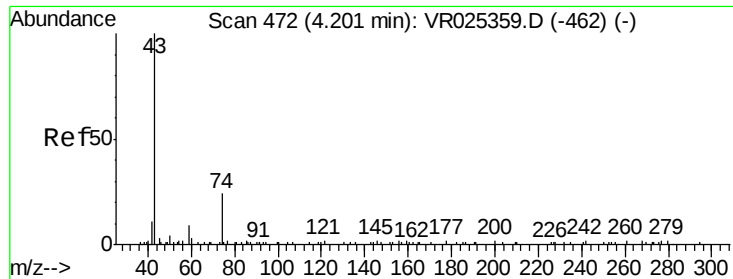
78 7.9 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

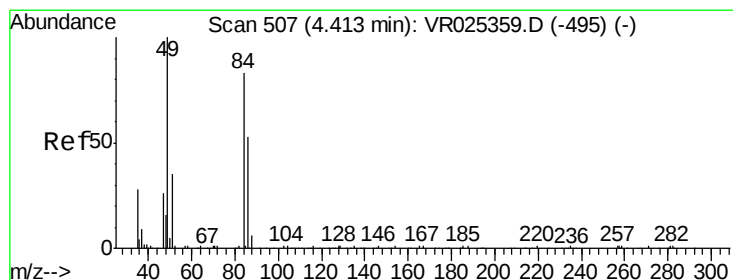
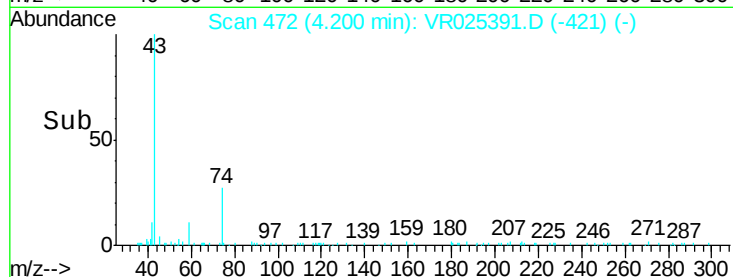
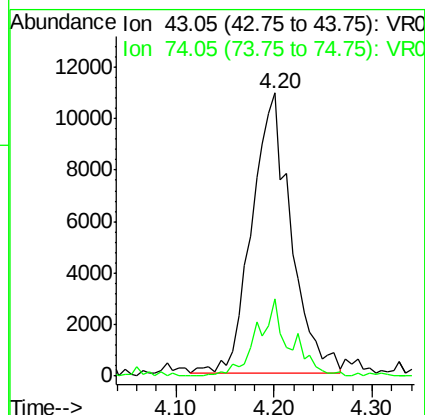
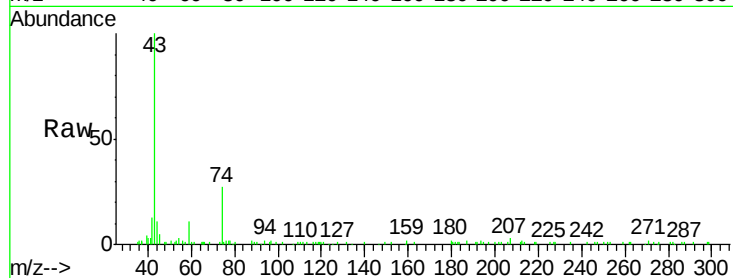




#15
Methyl Acetate
Concen: 4.000 ug/L
RT: 4.20 min Scan# 472
Delta R.T. 0.01 min
Lab File: VR025391.D
Acq: 21 Jun 2018 10:12

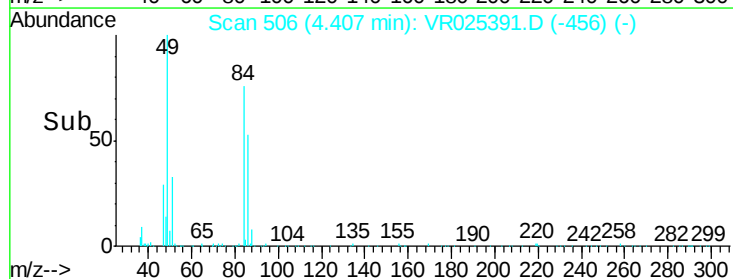
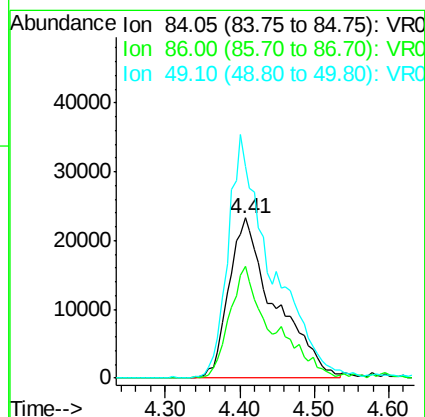
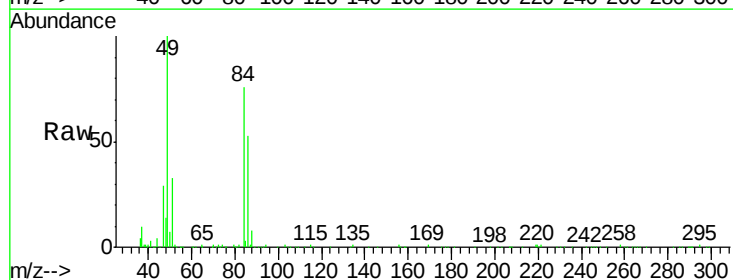
Instrument :
MSVOA_R
ClientSampleId :
VSTD00593

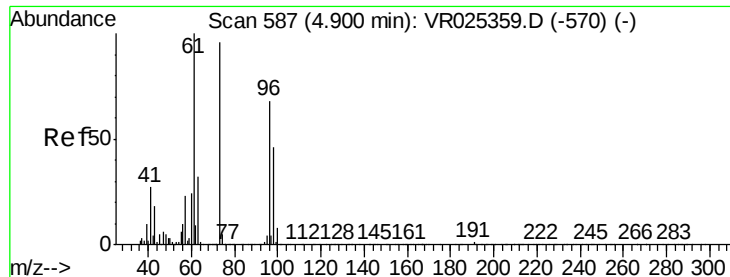
Tgt Ion: 43 Resp: 30029
Ion Ratio Lower Upper
43 100
74 18.7 16.7 25.1



#16
Methylene chloride
Concen: 4.345 ug/L
RT: 4.41 min Scan# 506
Delta R.T. 0.01 min
Lab File: VR025391.D
Acq: 21 Jun 2018 10:12

Tgt Ion: 84 Resp: 100618
Ion Ratio Lower Upper
84 100
86 70.0 43.7 81.1
49 131.9 87.2 162.0

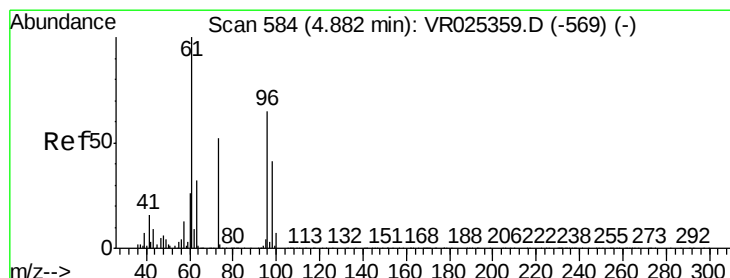
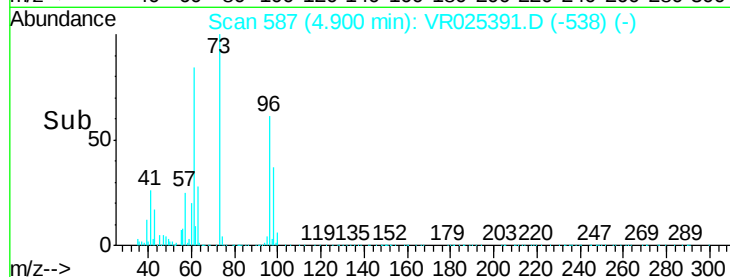
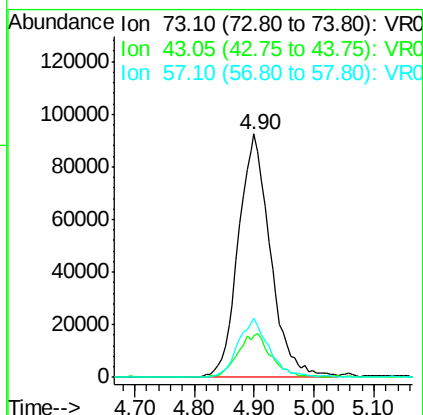
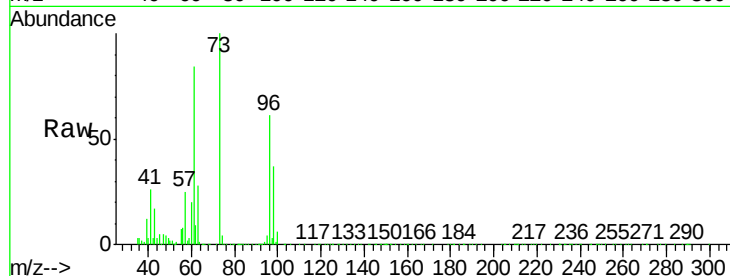




#17
Methyl tert-butyl Ether
Concen: 4.563 ug/L
RT: 4.90 min Scan# 587
Delta R.T. -0.00 min
Lab File: VR025391.D
Acq: 21 Jun 2018 10:12

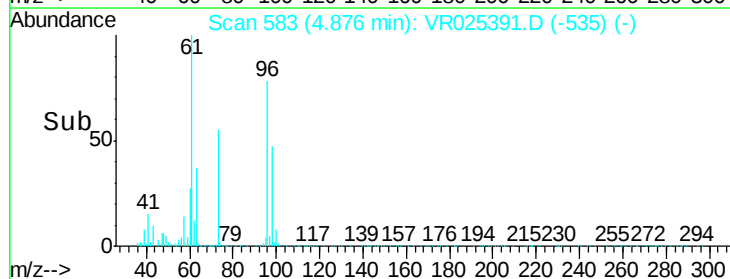
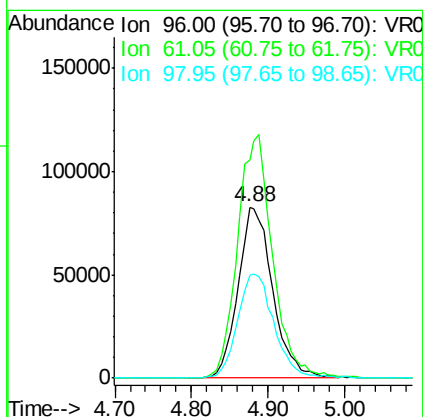
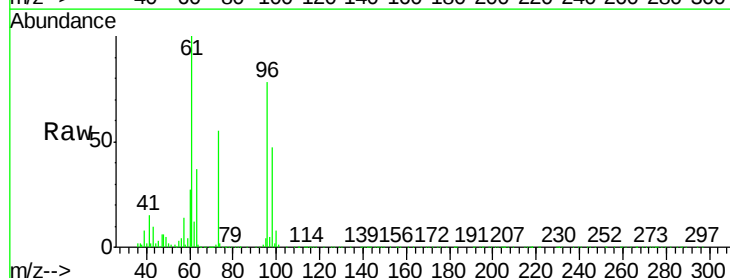
Instrument :
MSVOA_R
ClientSampleId :
VSTD00593

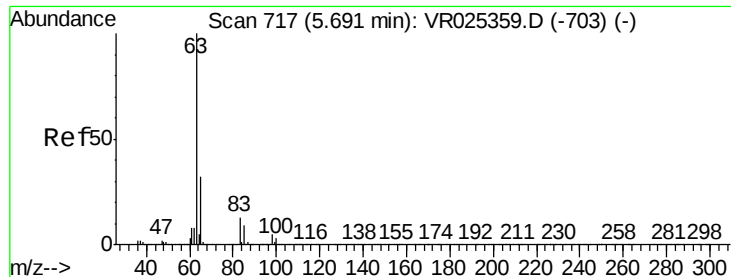
Tgt Ion: 73 Resp: 346238
Ion Ratio Lower Upper
73 100
43 18.3 15.8 23.6
57 23.3 19.0 28.4



#18
trans-1,2-Dichloroethene
Concen: 4.954 ug/L
RT: 4.88 min Scan# 583
Delta R.T. -0.01 min
Lab File: VR025391.D
Acq: 21 Jun 2018 10:12

Tgt Ion: 96 Resp: 259221
Ion Ratio Lower Upper
96 100
61 127.8 104.4 193.8
98 59.9 43.1 80.1

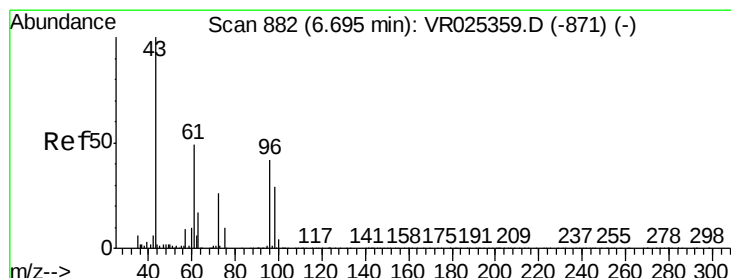
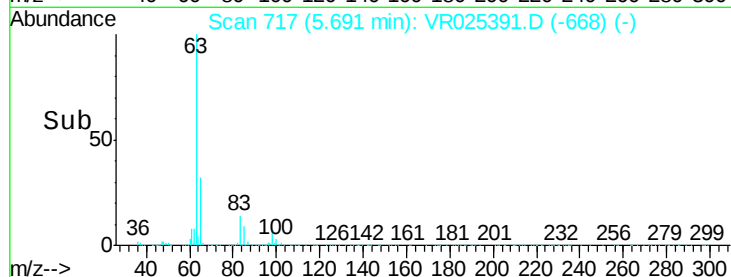
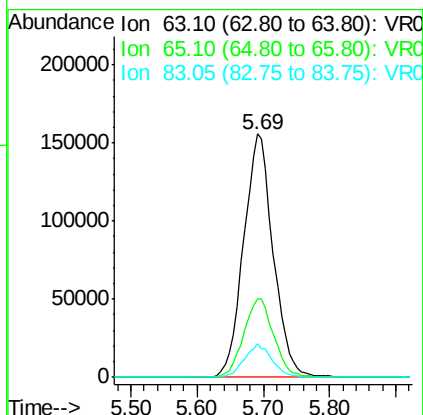
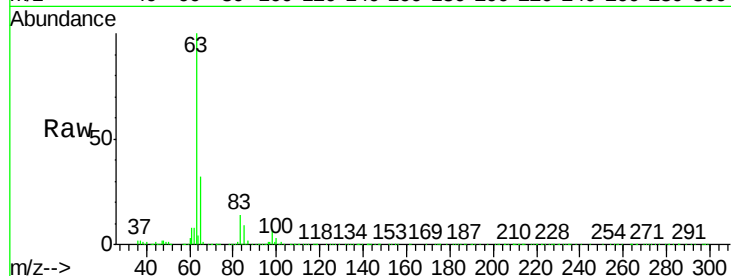




#19
 1,1-Dichloroethane
 Concen: 4.922 ug/L
 RT: 5.69 min Scan# 717
 Delta R.T. -0.00 min
 Lab File: VR025391.D
 Acq: 21 Jun 2018 10:12

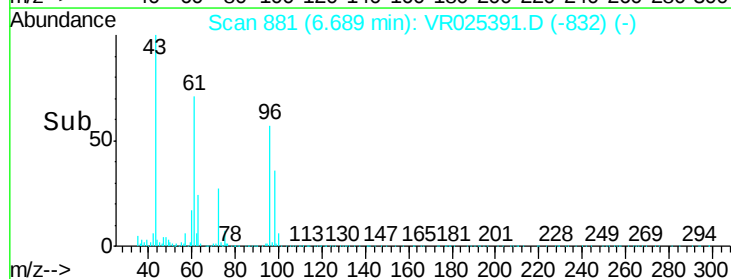
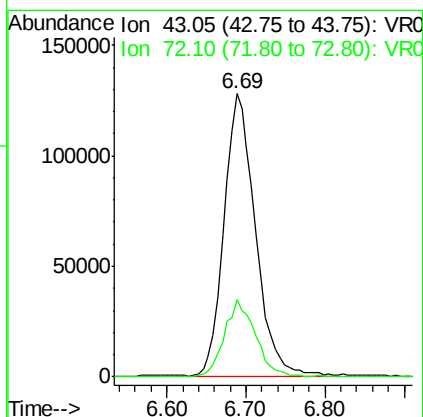
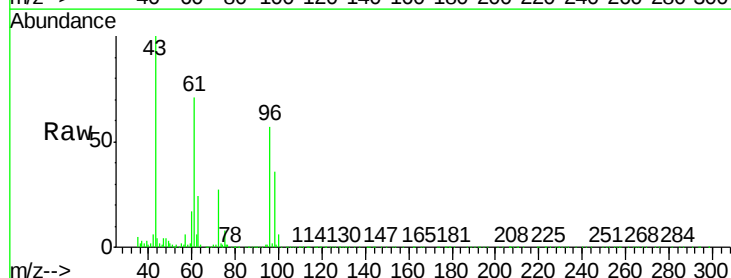
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00593

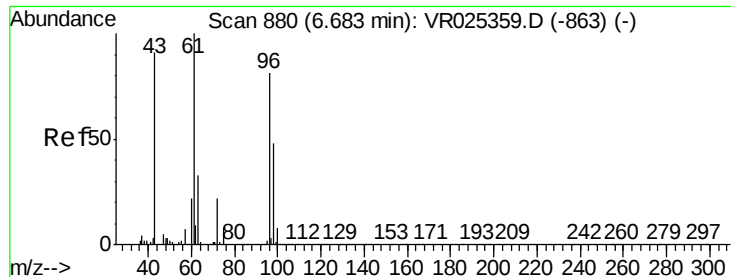
Tgt Ion:	63	Resp:	483845
Ion	Ratio	Lower	Upper
63	100		
65	32.4	22.5	41.7
83	13.9	9.5	17.7



#21
 2-Butanone
 Concen: 49.906 ug/L
 RT: 6.69 min Scan# 881
 Delta R.T. -0.00 min
 Lab File: VR025391.D
 Acq: 21 Jun 2018 10:12

Tgt Ion:	43	Resp:	352172
Ion	Ratio	Lower	Upper
43	100		
72	27.1	13.0	38.9



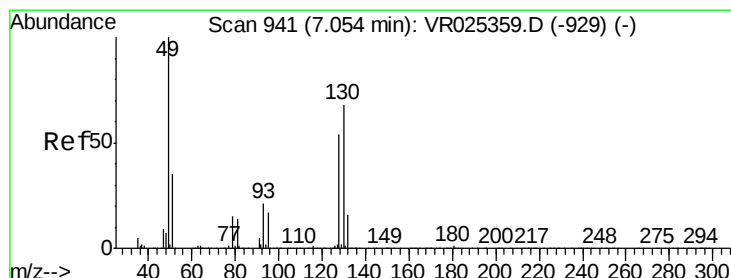
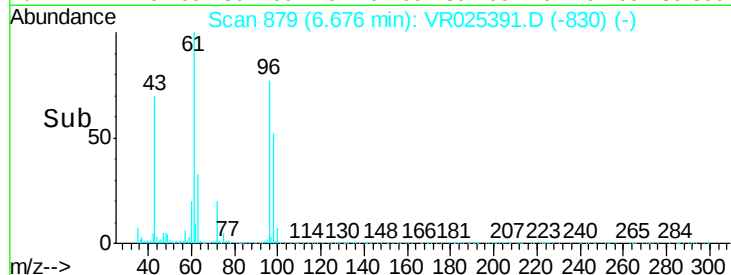
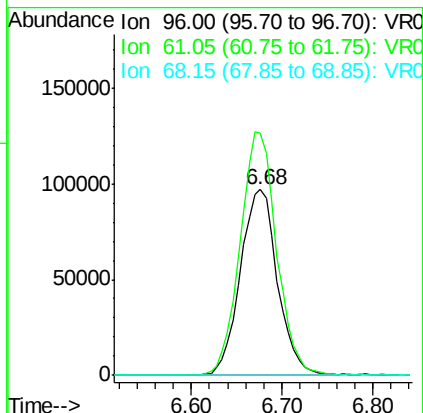
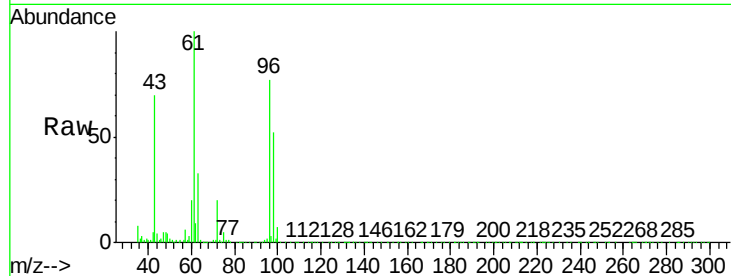


#22

cis-1,2-Dichloroethene
Concen: 5.027 ug/L
RT: 6.68 min Scan# 879
Delta R.T. -0.00 min
Lab File: VR025391.D
Acq: 21 Jun 2018 10:12

Instrument :
MSVOA_R
ClientSampleId :
VSTD00593

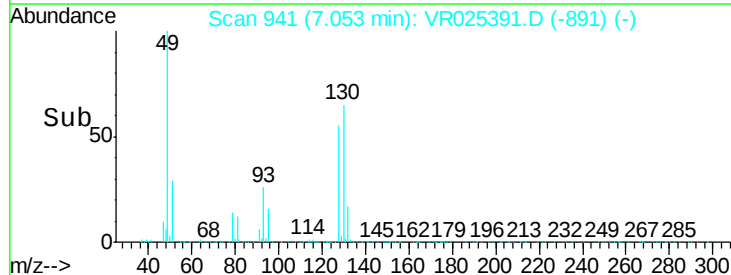
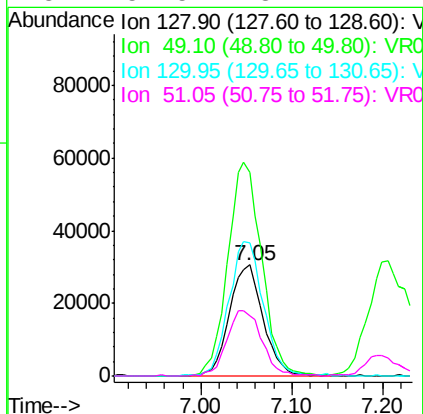
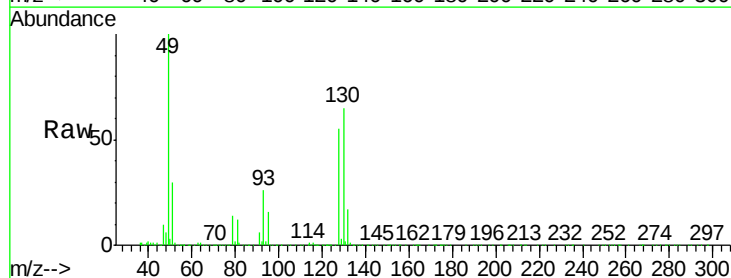
Tgt Ion: 96 Resp: 274466
Ion Ratio Lower Upper
96 100
61 130.3 91.0 169.0
68 0.1 0.0 0.0#

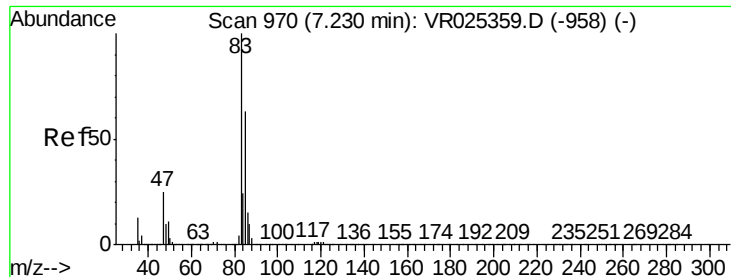


#23

Bromochloromethane
Concen: 4.943 ug/L
RT: 7.05 min Scan# 941
Delta R.T. 0.01 min
Lab File: VR025391.D
Acq: 21 Jun 2018 10:12

Tgt Ion: 128 Resp: 79032
Ion Ratio Lower Upper
128 100
49 183.1 128.7 238.9
130 119.5 87.2 161.9
51 54.5 48.2 72.2





#25

Chloroform

Concen: 5.070 ug/L

RT: 7.23 min Scan# 970

Delta R.T. -0.00 min

Lab File: VR025391.D

Acq: 21 Jun 2018 10:12

Instrument :

MSVOA_R

ClientSampleId :

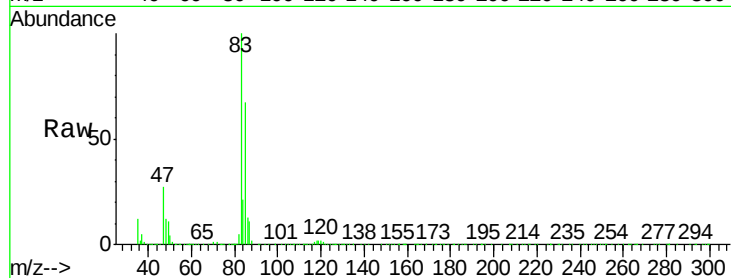
VSTD00593

Tgt Ion: 83 Resp: 455567

Ion Ratio Lower Upper

83 100

85 67.1 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0

7.23

200000

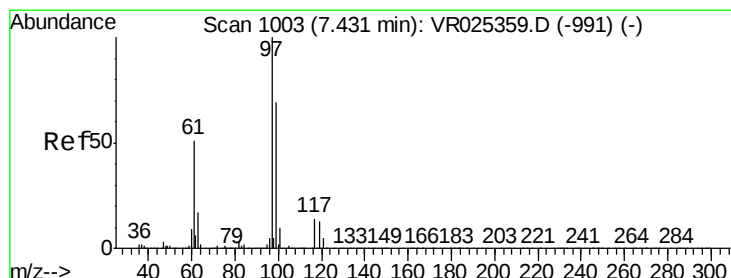
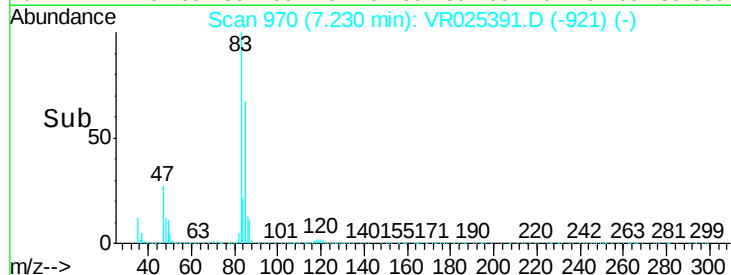
150000

100000

50000

0

Time-->



#29

1,1,1-Trichloroethane

Concen: 4.784 ug/L

RT: 7.42 min Scan# 1002

Delta R.T. -0.01 min

Lab File: VR025391.D

Acq: 21 Jun 2018 10:12

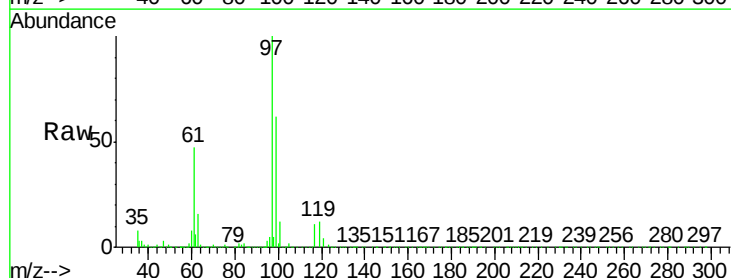
Tgt Ion: 97 Resp: 333724

Ion Ratio Lower Upper

97 100

99 64.3 52.1 78.1

61 47.6 37.0 55.6



Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 61.05 (60.75 to 61.75): VR0

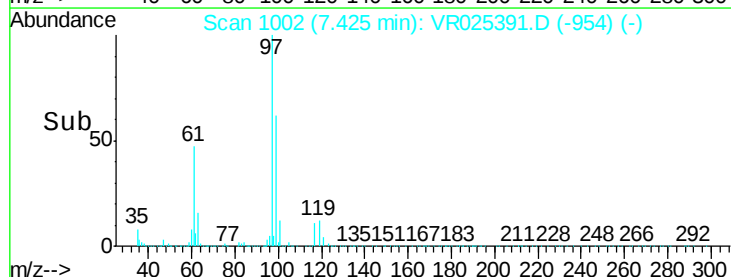
150000

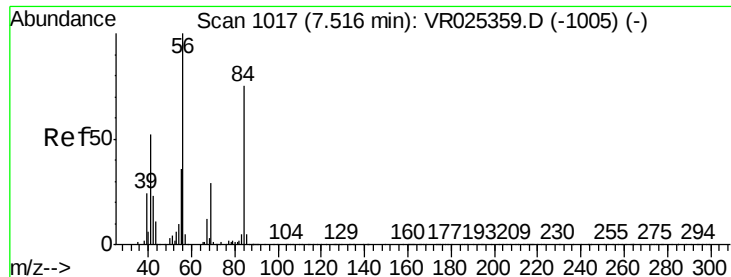
100000

50000

0

Time-->

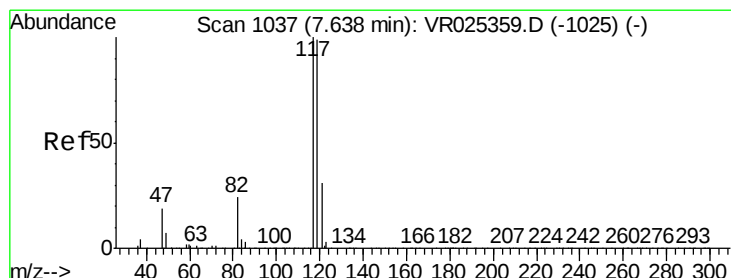
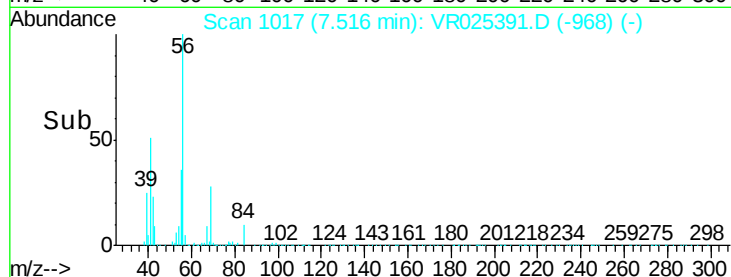
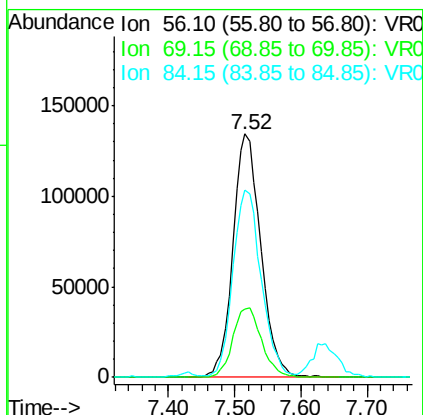
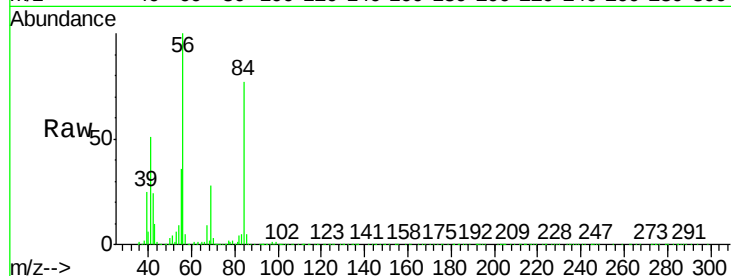




#30
Cyclohexane
Concen: 4.394 ug/L
RT: 7.52 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VR025391.D
Acq: 21 Jun 2018 10:12

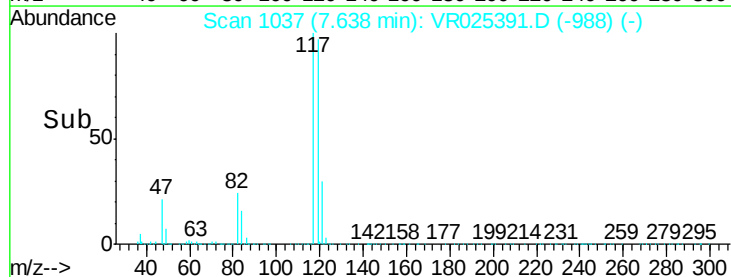
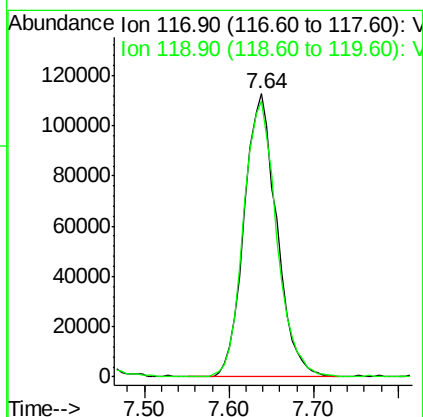
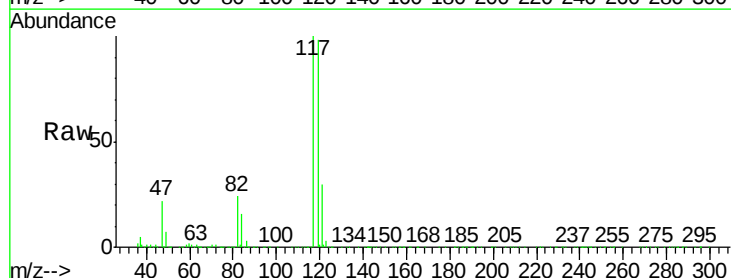
Instrument :
MSVOA_R
ClientSampleId :
VSTD00593

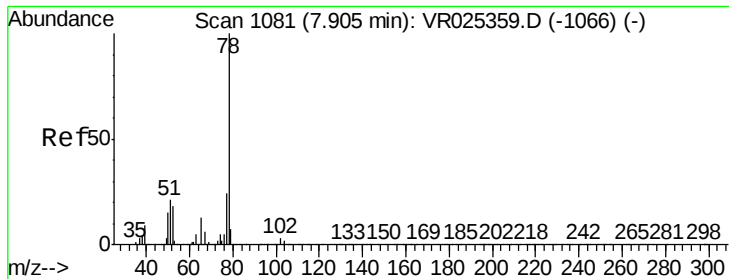
Tgt Ion: 56 Resp: 391332
Ion Ratio Lower Upper
56 100
69 29.4 23.7 35.5
84 78.2 62.6 93.8



#31
Carbon tetrachloride
Concen: 4.783 ug/L
RT: 7.64 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VR025391.D
Acq: 21 Jun 2018 10:12

Tgt Ion: 117 Resp: 292993
Ion Ratio Lower Upper
117 100
119 99.7 75.5 113.3





#33

Benzene

Concen: 4.859 ug/L

RT: 7.91 min Scan# 1081

Delta R.T. -0.00 min

Lab File: VR025391.D

Acq: 21 Jun 2018 10:12

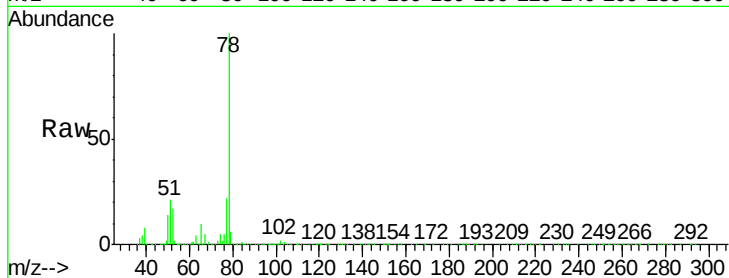
Instrument :

MSVOA_R

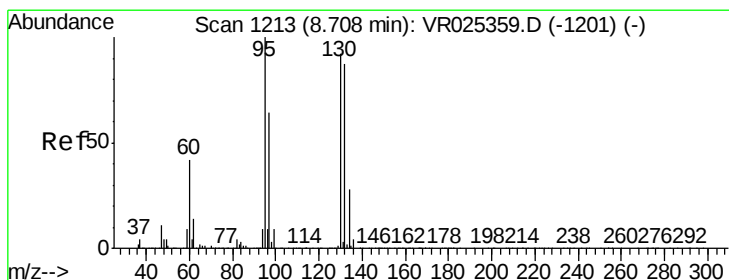
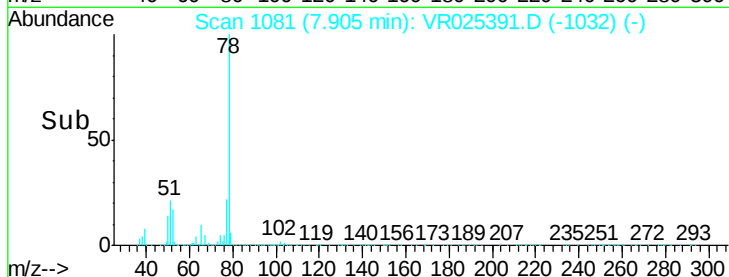
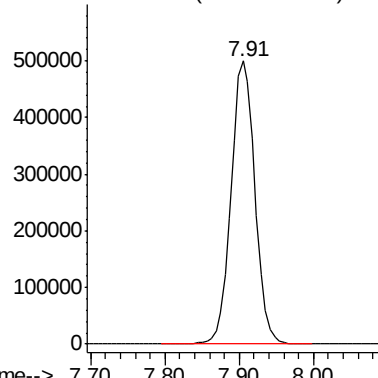
ClientSampleId :

VSTD00593

Tgt Ion: 78 Resp: 1120495



Abundance Ion 78.10 (77.80 to 78.80): VR0



#34

Trichloroethene

Concen: 4.676 ug/L

RT: 8.71 min Scan# 1213

Delta R.T. -0.00 min

Lab File: VR025391.D

Acq: 21 Jun 2018 10:12

Tgt Ion: 95 Resp: 260870

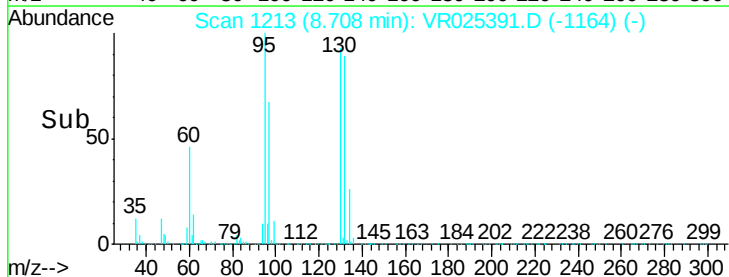
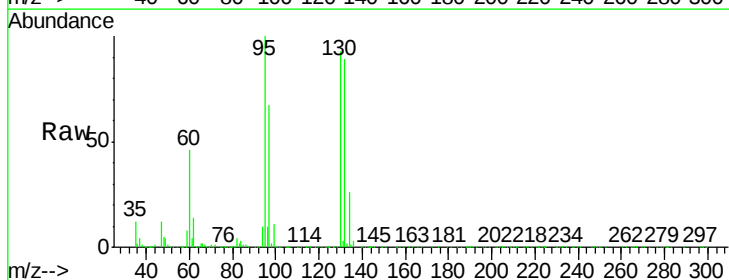
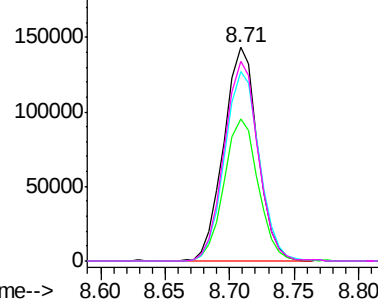
Ion	Ratio	Lower	Upper
95	100		
97	66.7	45.6	84.6
132	88.6	60.9	113.1
130	93.5	62.0	115.2

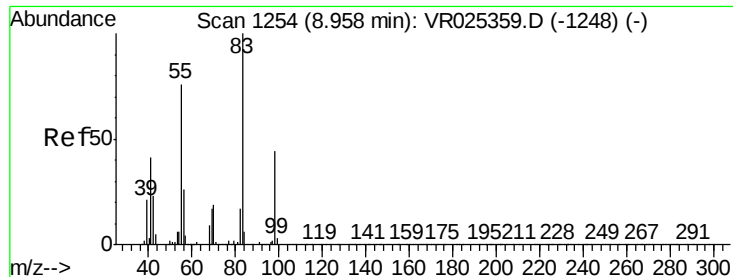
Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

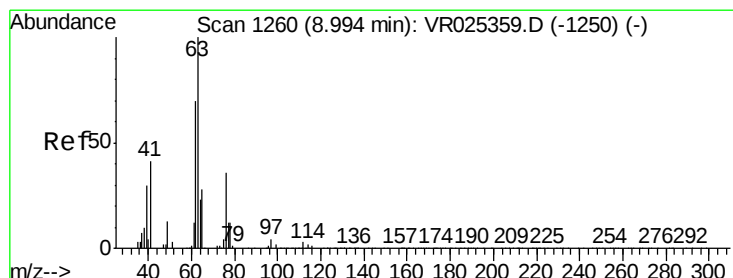
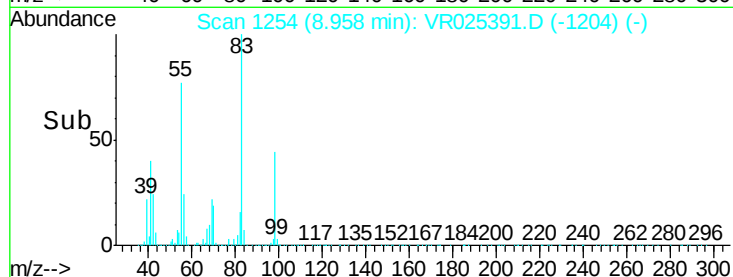
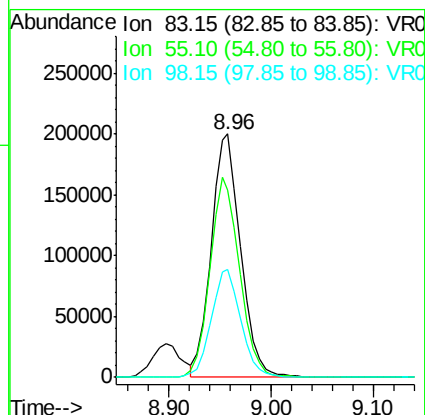
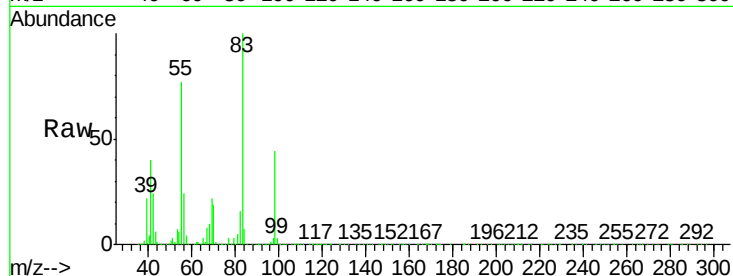




#35
Methylcyclohexane
Concen: 4.542 ug/L
RT: 8.96 min Scan# 1254
Delta R.T. 0.01 min
Lab File: VR025391.D
Acq: 21 Jun 2018 10:12

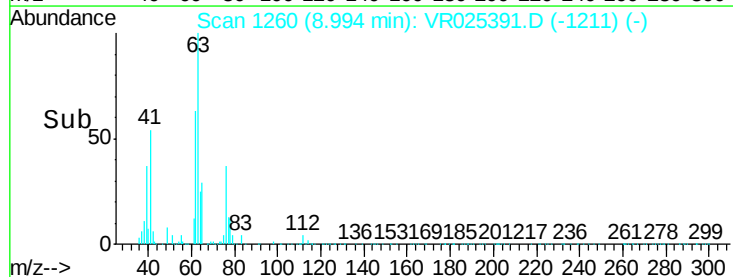
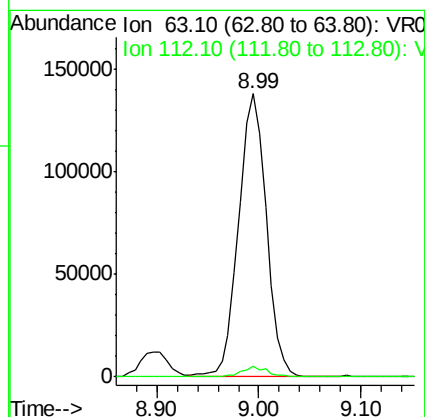
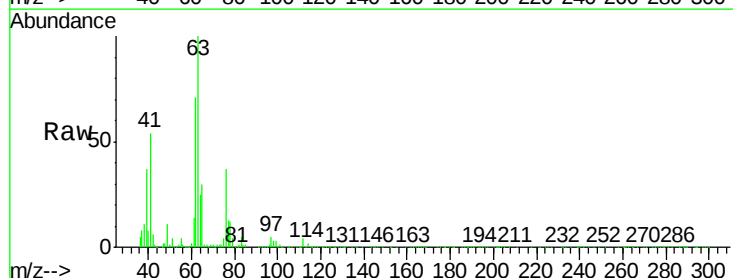
Instrument :
MSVOA_R
ClientSampleId :
VSTD00593

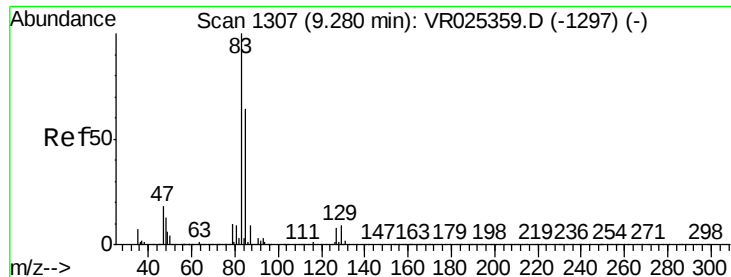
Tgt Ion	Ratio	Lower	Upper
83	100		
55	83.2	66.1	99.1
98	45.0	36.2	54.4



#37
1,2-Dichloropropane
Concen: 5.048 ug/L
RT: 8.99 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VR025391.D
Acq: 21 Jun 2018 10:12

Tgt Ion	Ratio	Lower	Upper
63	100		
112	3.4	2.9	4.3





#38

Bromodichloromethane

Concen: 5.054 ug/L

RT: 9.28 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VR025391.D

Acq: 21 Jun 2018 10:12

Instrument :

MSVOA_R

ClientSampleId :

VSTD00593

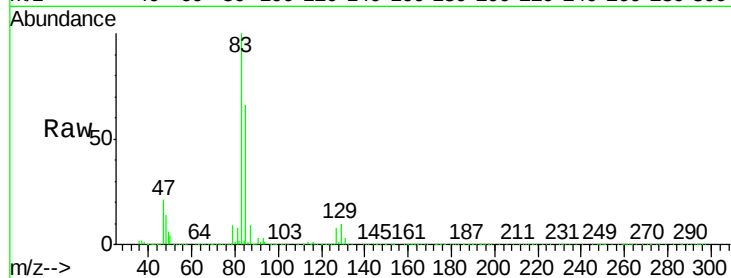
Tgt Ion: 83 Resp: 251254

Ion Ratio Lower Upper

83 100

85 66.4 46.1 85.7

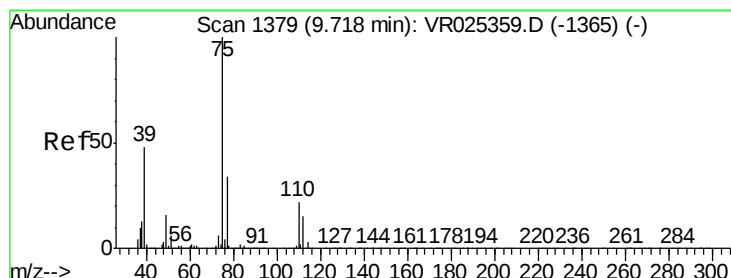
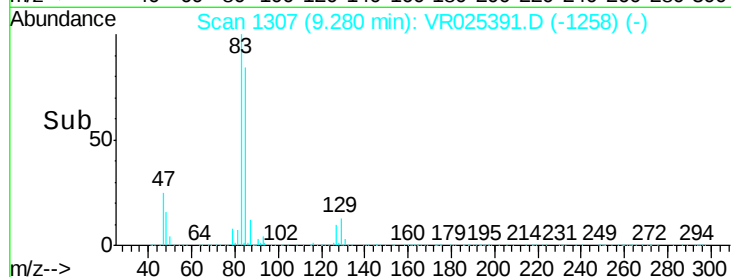
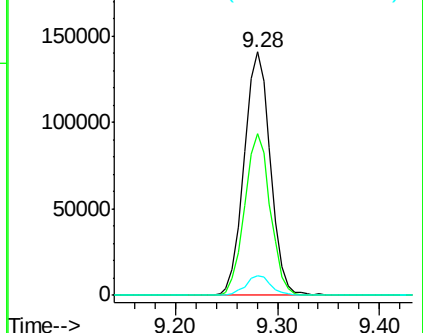
127 8.0 5.7 8.5



Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 126.90 (126.60 to 127.60): VR0



#39

cis-1,3-Dichloropropene

Concen: 4.813 ug/L

RT: 9.72 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VR025391.D

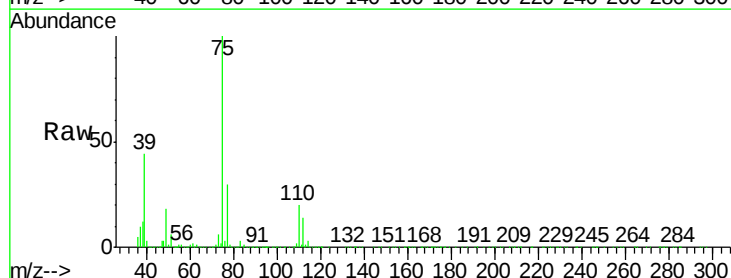
Acq: 21 Jun 2018 10:12

Tgt Ion: 75 Resp: 290562

Ion Ratio Lower Upper

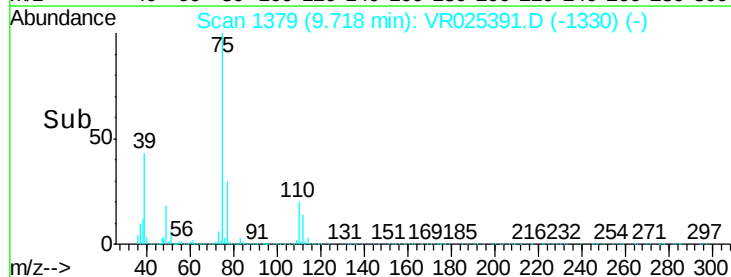
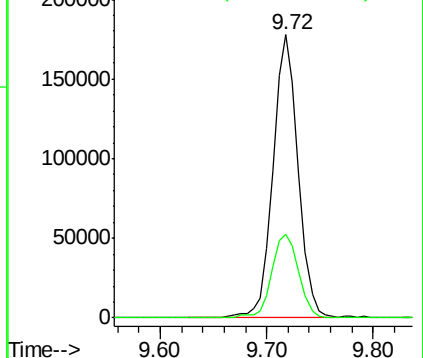
75 100

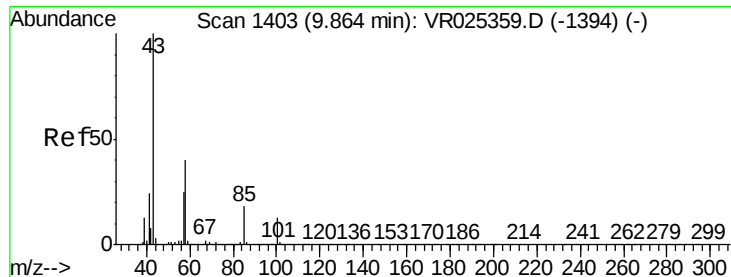
77 29.6 21.1 39.1



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

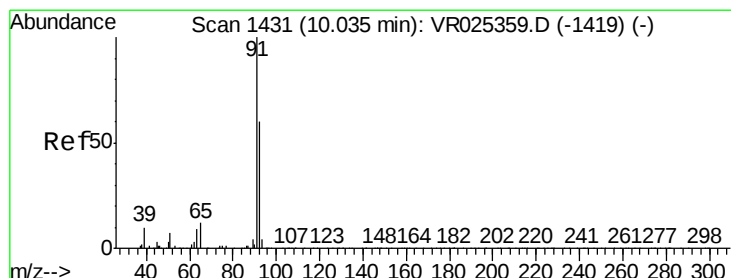
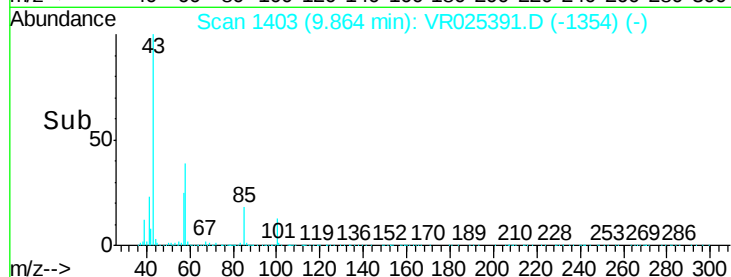
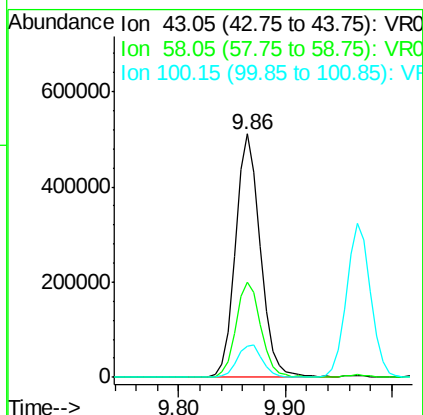
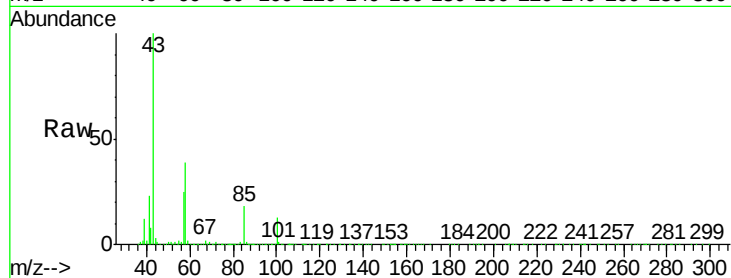




#40
4-Methyl-2-pentanone
Concen: 50.493 ug/L
RT: 9.86 min Scan# 1403
Delta R.T. -0.00 min
Lab File: VR025391.D
Acq: 21 Jun 2018 10:12

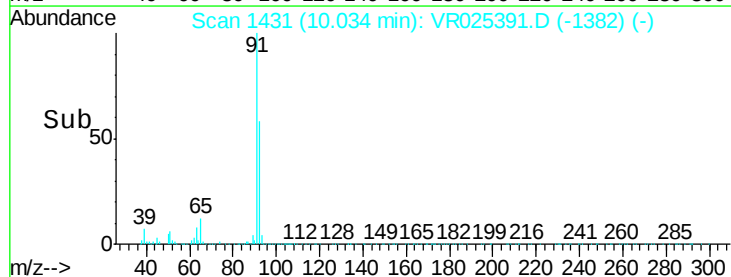
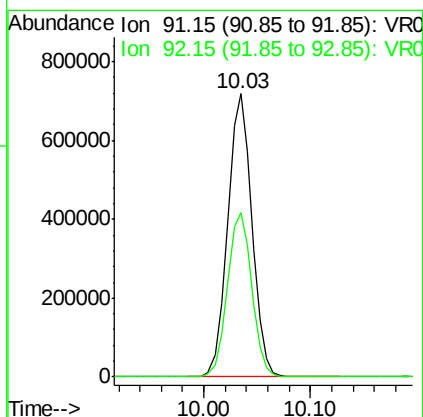
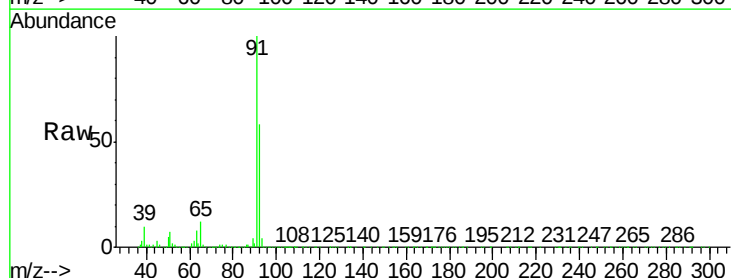
Instrument :
MSVOA_R
ClientSampleId :
VSTD00593

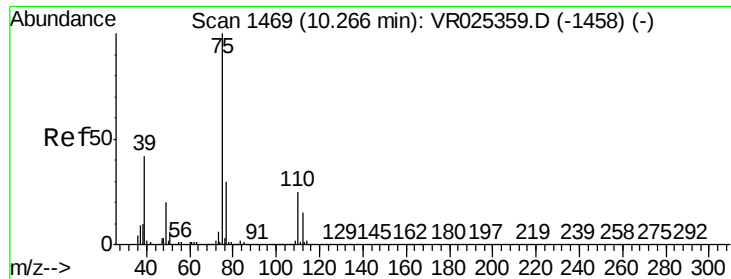
Tgt Ion: 43 Resp: 837627
Ion Ratio Lower Upper
43 100
58 39.2 30.3 45.5
100 13.5 10.3 15.5



#42
Toluene
Concen: 4.627 ug/L
RT: 10.03 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VR025391.D
Acq: 21 Jun 2018 10:12

Tgt Ion: 91 Resp: 1143482
Ion Ratio Lower Upper
91 100
92 58.1 41.9 77.7





#44

trans-1,3-Dichloropropene

Concen: 4.876 ug/L

RT: 10.27 min Scan# 1469

Delta R.T. 0.01 min

Lab File: VR025391.D

Acq: 21 Jun 2018 10:12

Instrument :

MSVOA_R

ClientSampleId :

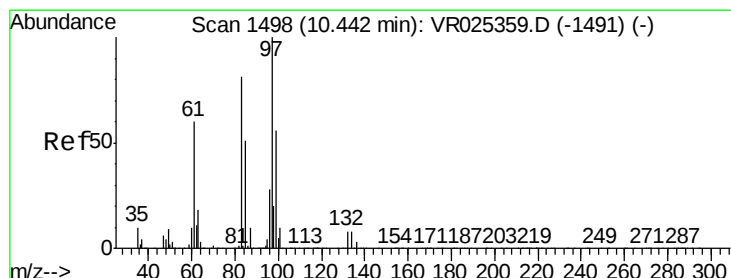
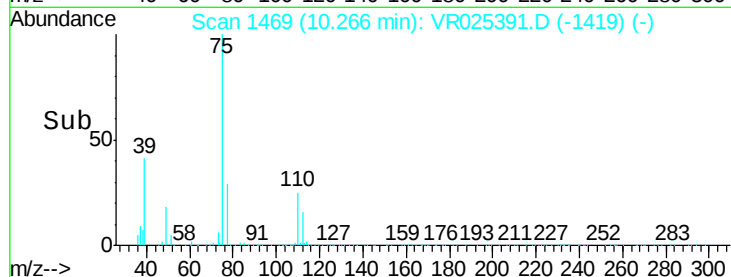
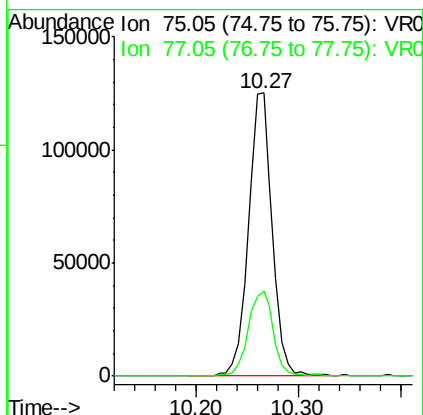
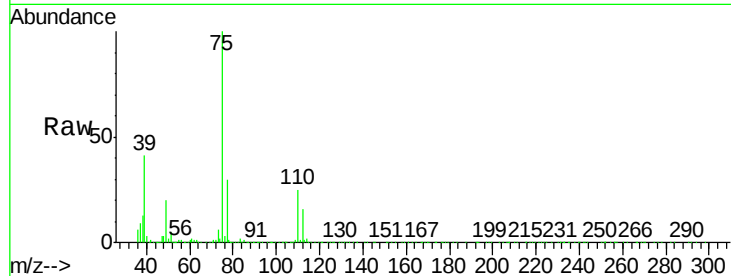
VSTD00593

Tgt Ion: 75 Resp: 202479

Ion Ratio Lower Upper

75 100

77 29.9 20.6 38.4



#45

1,1,2-Trichloroethane

Concen: 5.018 ug/L

RT: 10.44 min Scan# 1498

Delta R.T. -0.00 min

Lab File: VR025391.D

Acq: 21 Jun 2018 10:12

Tgt Ion: 97 Resp: 119426

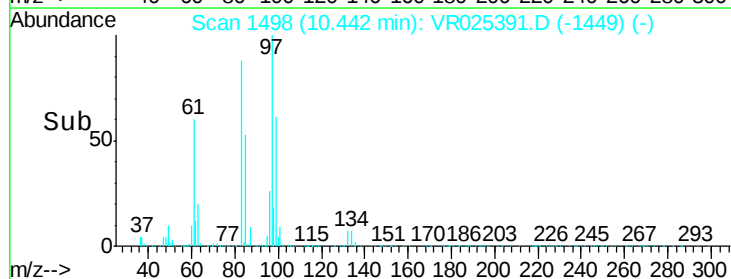
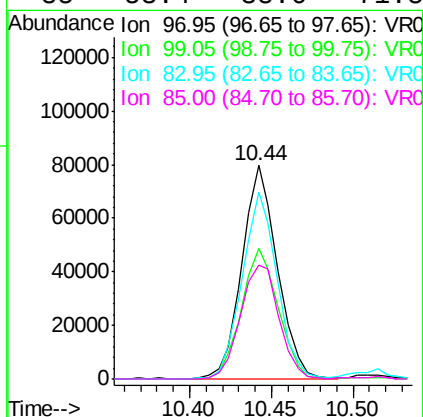
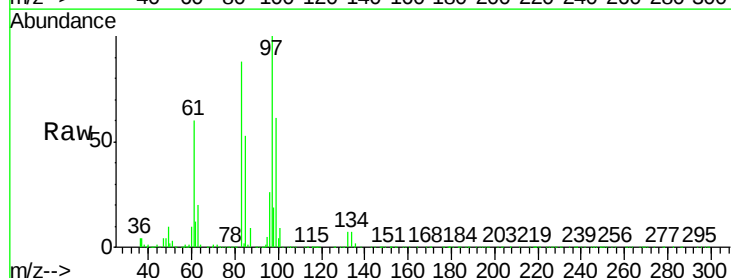
Ion Ratio Lower Upper

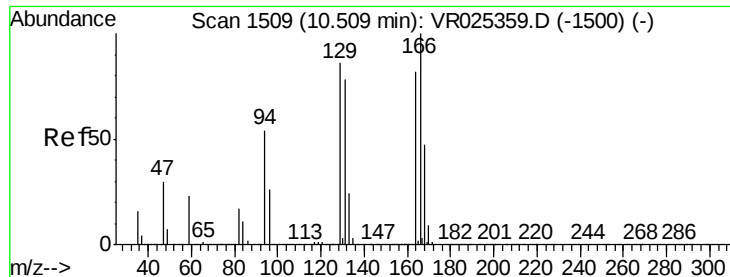
97 100

99 61.1 41.9 77.9

83 87.8 64.5 119.9

85 53.4 38.6 71.8





#47

Tetrachloroethene

Concen: 4.793 ug/L

RT: 10.51 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VR025391.D

Acq: 21 Jun 2018 10:12

Instrument :

MSVOA_R

ClientSampleId :

VSTD00593

Tgt Ion:164 Resp: 178527

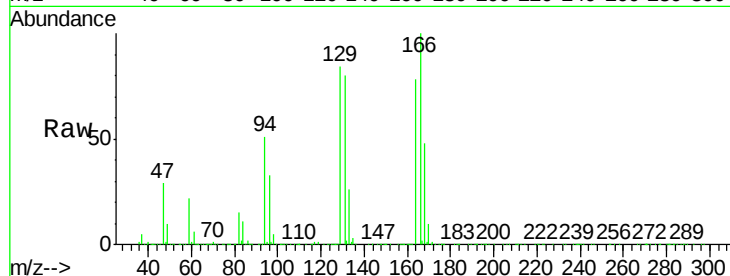
Ion Ratio Lower Upper

164 100

129 107.9 68.1 126.5

131 103.0 68.5 127.1

166 128.5 89.9 166.9

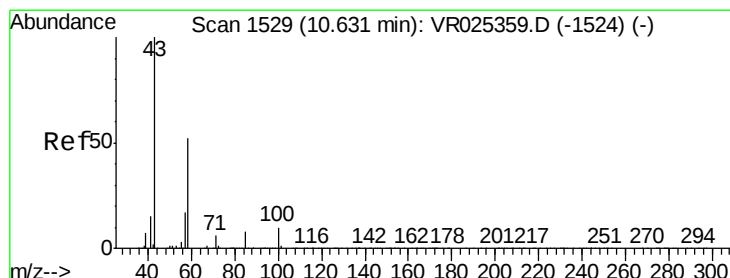
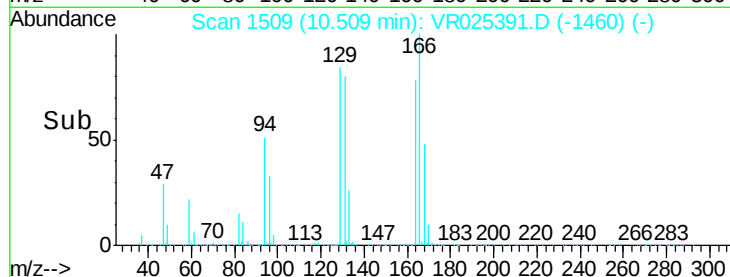
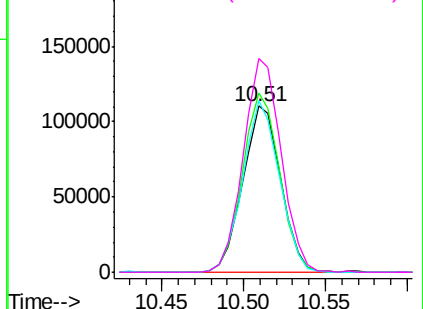


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 53.815 ug/L

RT: 10.63 min Scan# 1529

Delta R.T. -0.00 min

Lab File: VR025391.D

Acq: 21 Jun 2018 10:12

Tgt Ion: 43 Resp: 569078

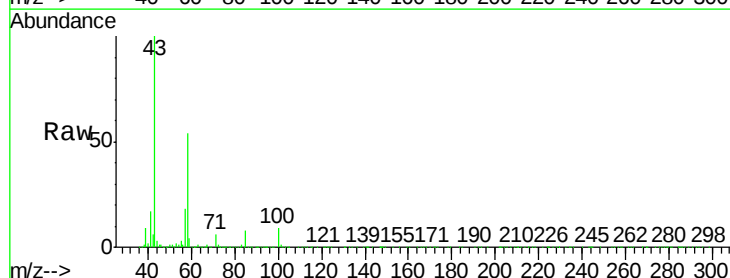
Ion Ratio Lower Upper

43 100

58 56.6 43.1 64.7

57 19.1 15.3 22.9

100 9.7 7.9 11.9

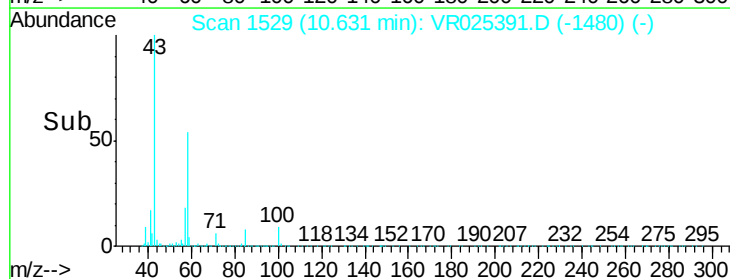
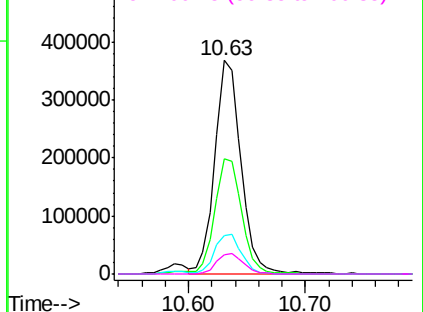


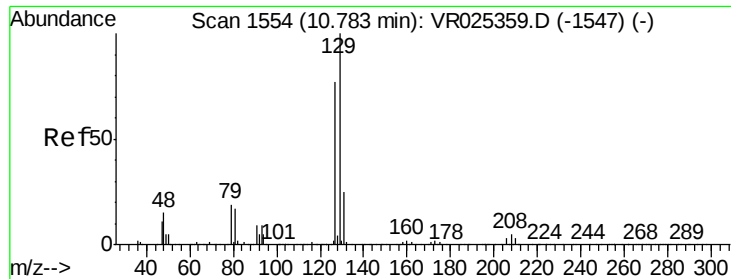
Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 57.20 (56.90 to 57.90): VR0

Ion 100.15 (99.85 to 100.85): VR0





#49

Dibromochloromethane

Concen: 5.165 ug/L

RT: 10.78 min Scan# 1554

Delta R.T. -0.00 min

Lab File: VR025391.D

Acq: 21 Jun 2018 10:12

Instrument :

MSVOA_R

ClientSampleId :

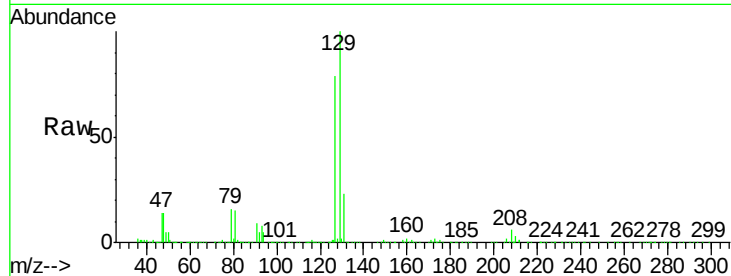
VSTD00593

Tgt Ion:129 Resp: 118337

Ion Ratio Lower Upper

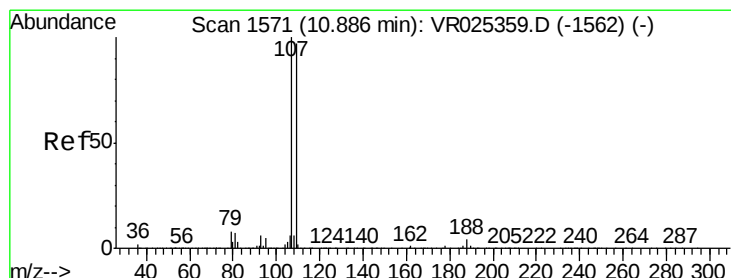
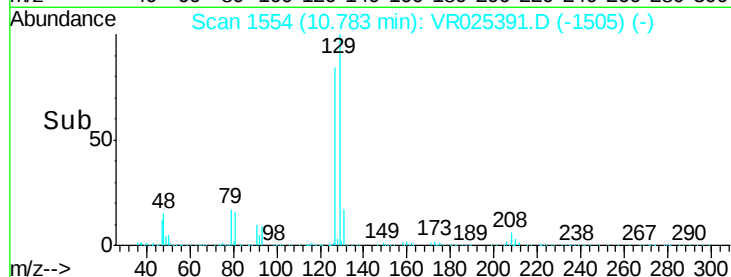
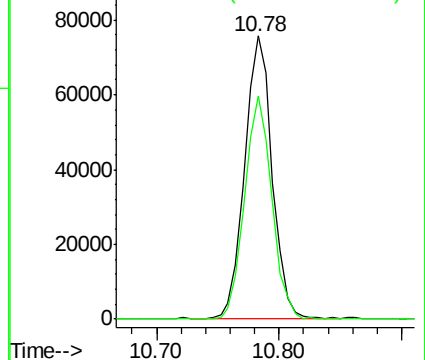
129 100

127 78.6 55.9 103.7



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#50

1,2-Dibromoethane

Concen: 4.973 ug/L

RT: 10.89 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VR025391.D

Acq: 21 Jun 2018 10:12

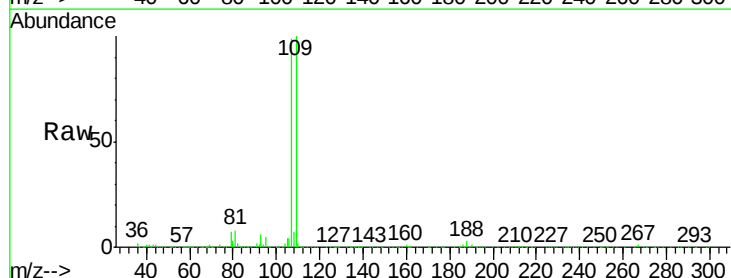
Tgt Ion:107 Resp: 94884

Ion Ratio Lower Upper

107 100

109 100.6 63.1 117.3

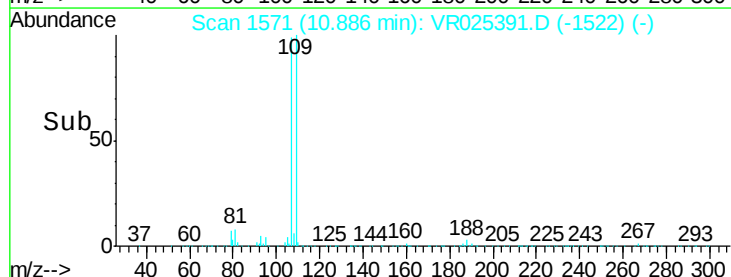
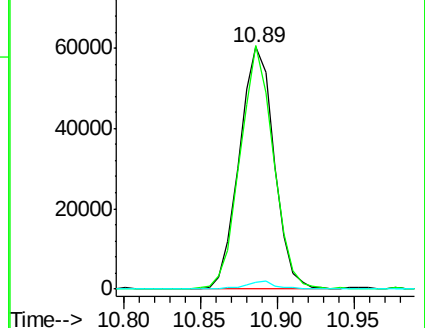
188 2.6 1.8 2.8

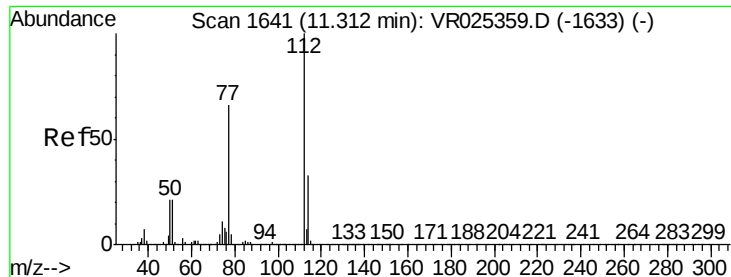


Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V





#51

Chlorobenzene

Concen: 4.928 ug/L

RT: 11.31 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VR025391.D

Acq: 21 Jun 2018 10:12

Instrument :

MSVOA_R

ClientSampleId :

VSTD00593

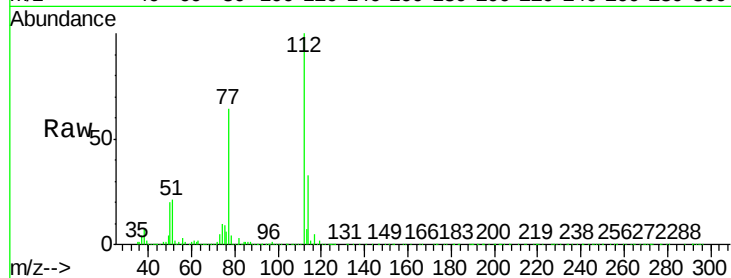
Tgt Ion: 112 Resp: 652199

Ion Ratio Lower Upper

112 100

114 33.1 21.6 40.0

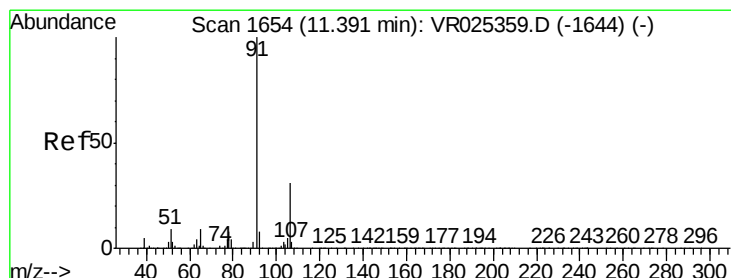
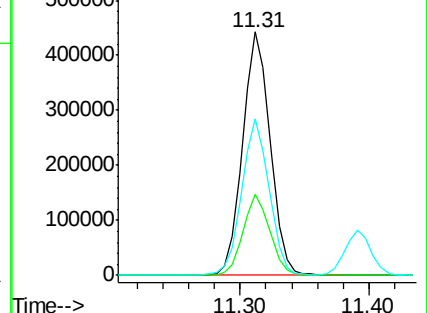
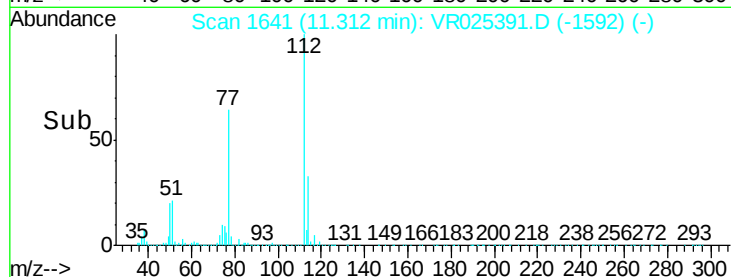
77 64.1 51.9 77.9



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VR0



#52

Ethylbenzene

Concen: 5.213 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VR025391.D

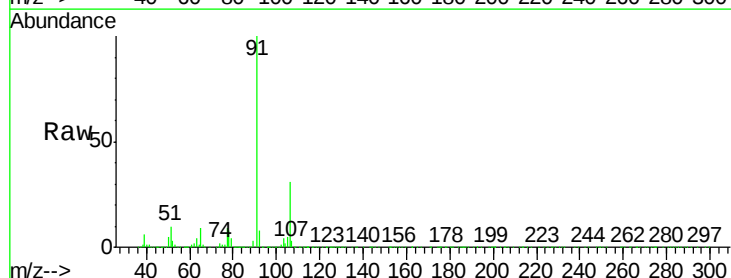
Acq: 21 Jun 2018 10:12

Tgt Ion: 91 Resp: 1278054

Ion Ratio Lower Upper

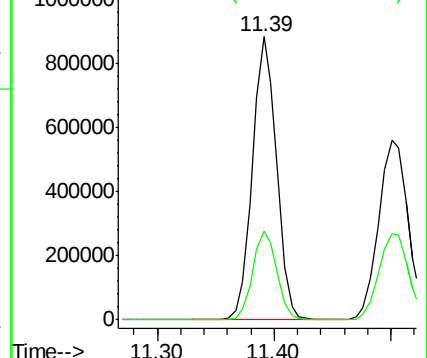
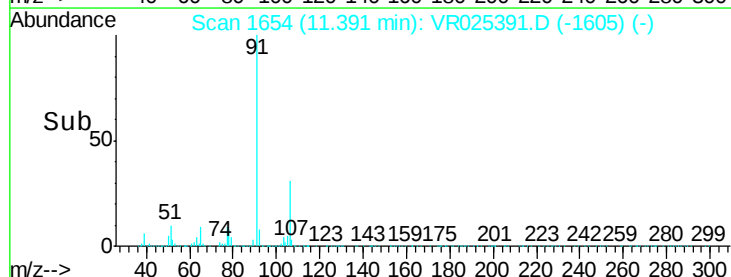
91 100

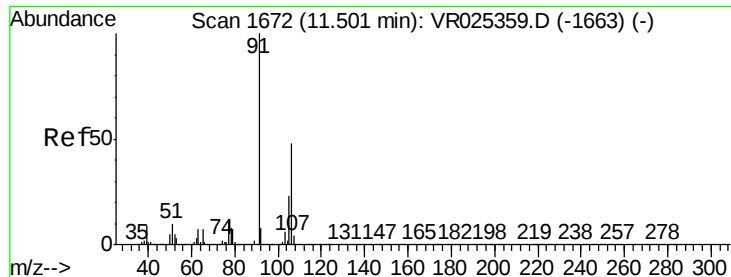
106 31.5 22.5 41.7



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 5.107 ug/L

RT: 11.50 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VR025391.D

Acq: 21 Jun 2018 10:12

Instrument :

MSVOA_R

ClientSampleId :

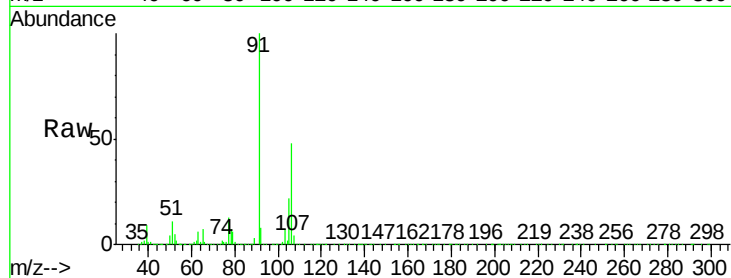
VSTD00593

Tgt Ion:106 Resp: 477985

Ion Ratio Lower Upper

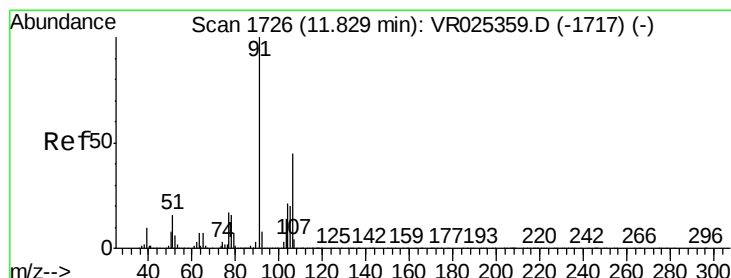
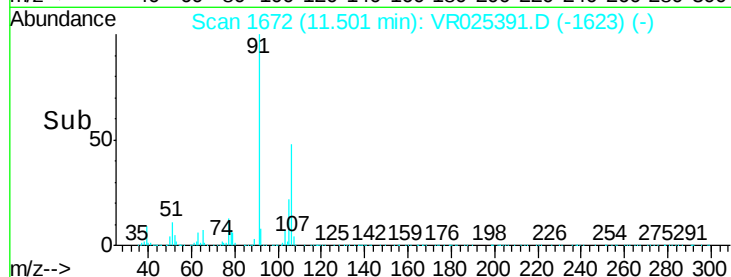
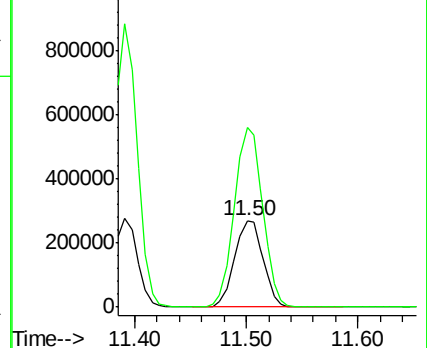
106 100

91 208.0 152.6 283.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0



#54

o-Xylene

Concen: 5.216 ug/L

RT: 11.83 min Scan# 1726

Delta R.T. -0.00 min

Lab File: VR025391.D

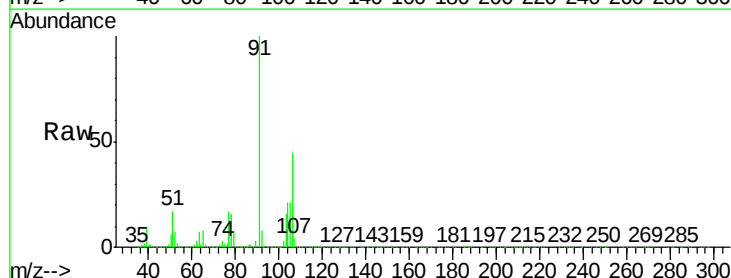
Acq: 21 Jun 2018 10:12

Tgt Ion:106 Resp: 436272

Ion Ratio Lower Upper

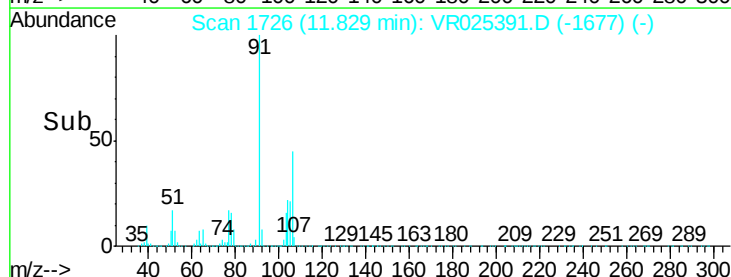
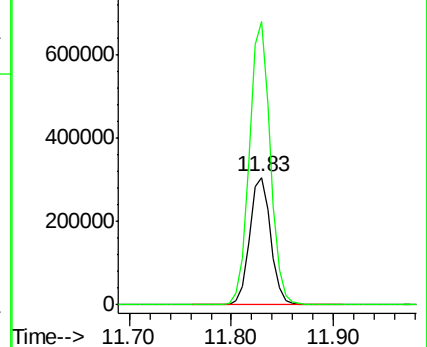
106 100

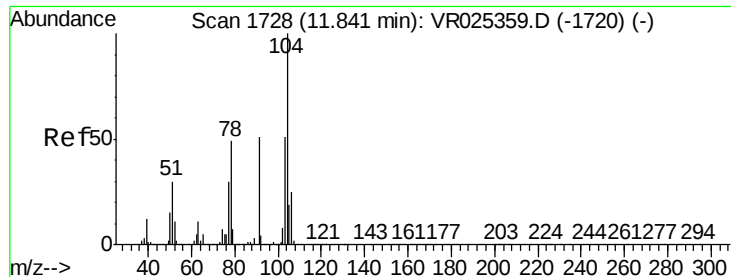
91 221.4 153.7 285.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0





#55

Styrene

Concen: 5.528 ug/L

RT: 11.84 min Scan# 1728

Delta R.T. -0.01 min

Lab File: VR025391.D

Acq: 21 Jun 2018 10:12

Instrument :

MSVOA_R

ClientSampleId :

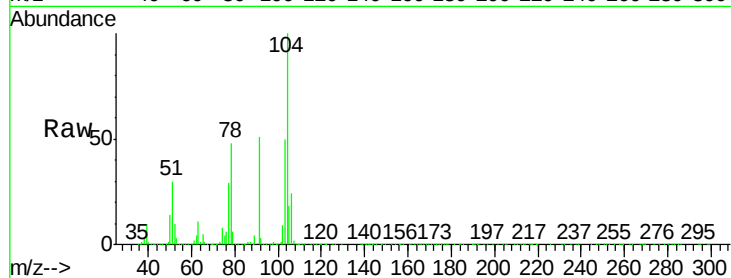
VSTD00593

Tgt Ion:104 Resp: 710608

Ion Ratio Lower Upper

104 100

78 48.0 35.4 65.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VR0

11.84

500000

400000

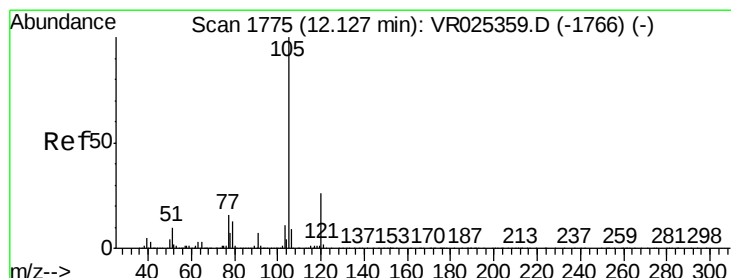
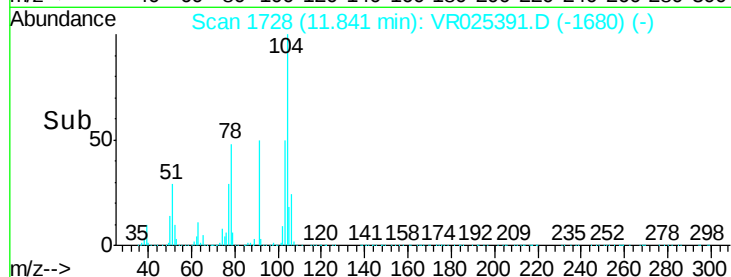
300000

200000

100000

0

Time-->



#56

Isopropylbenzene

Concen: 5.336 ug/L

RT: 12.13 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VR025391.D

Acq: 21 Jun 2018 10:12

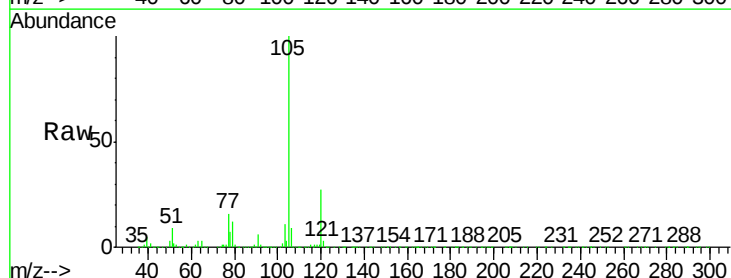
Tgt Ion:105 Resp: 1200229

Ion Ratio Lower Upper

105 100

120 26.5 20.2 30.4

77 16.2 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VR0

12.13

1000000

800000

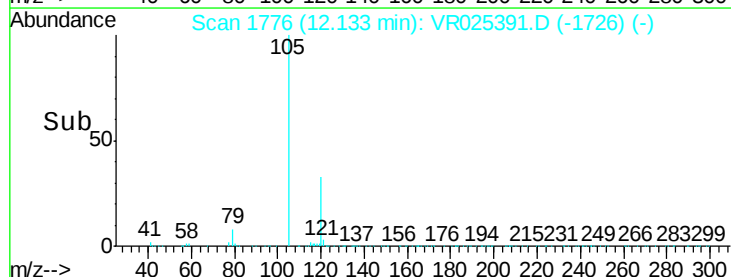
600000

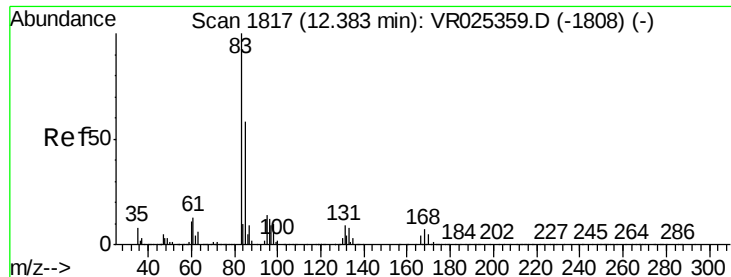
400000

200000

0

Time-->





#58

1,1,2,2-Tetrachloroethane

Concen: 5.519 ug/L

RT: 12.38 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VR025391.D

Acq: 21 Jun 2018 10:12

Instrument :

MSVOA_R

ClientSampled :

VSTD00593

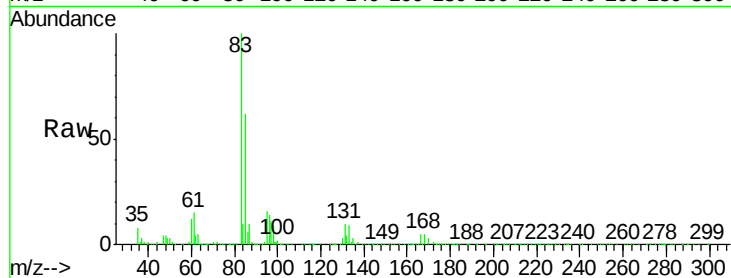
Tgt Ion: 83 Resp: 121642

Ion Ratio Lower Upper

83 100

85 62.1 41.8 77.6

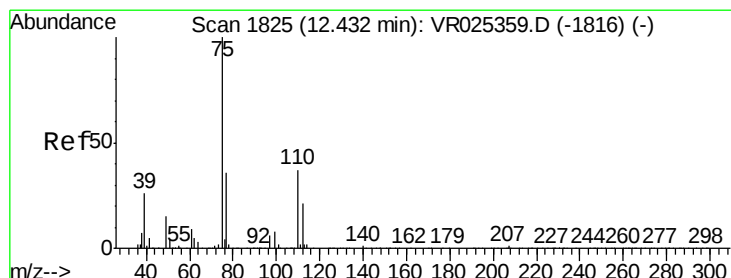
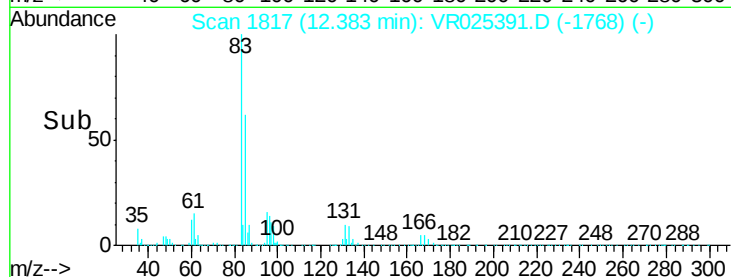
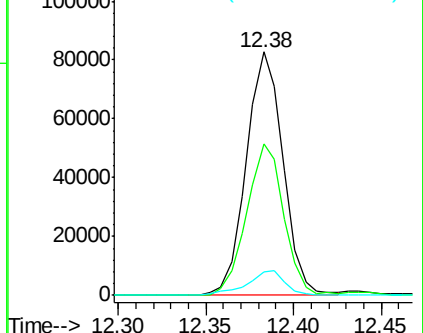
131 9.6 6.1 9.1#



Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V



#59

1,2,3-Trichloropropane

Concen: 5.059 ug/L

RT: 12.44 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VR025391.D

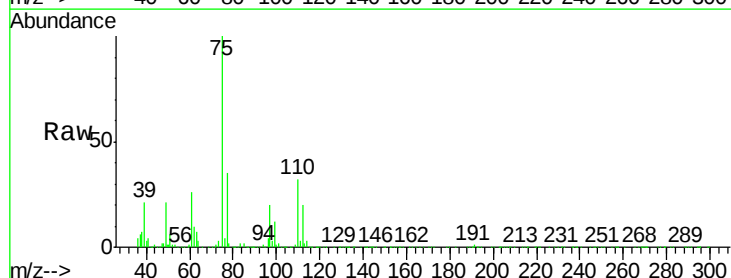
Acq: 21 Jun 2018 10:12

Tgt Ion: 75 Resp: 80466

Ion Ratio Lower Upper

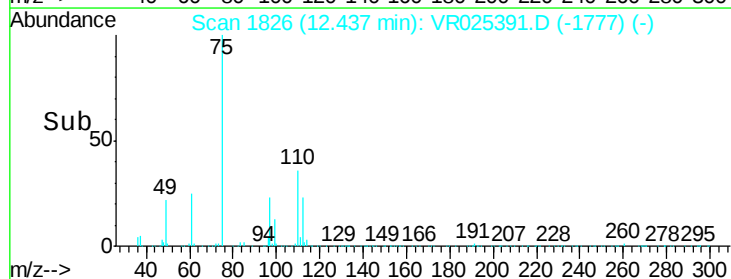
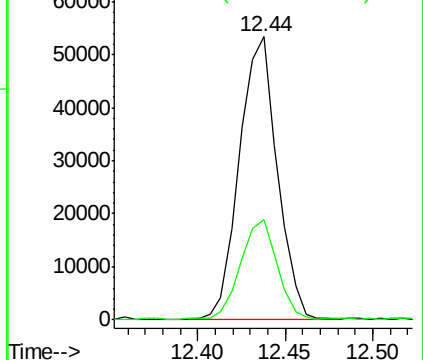
75 100

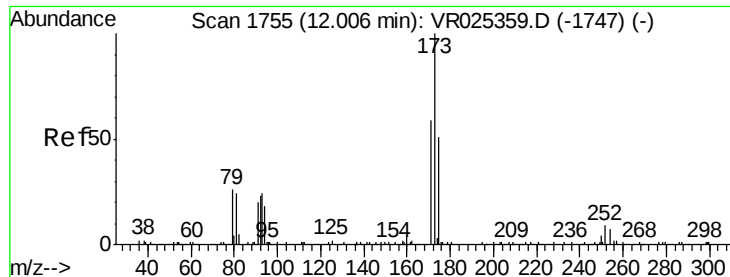
77 34.7 27.0 40.4



Abundance Ion 75.00 (74.70 to 75.70): VR0

Ion 77.00 (76.70 to 77.70): VR0





#61

Bromoform

Concen: 4.413 ug/L

RT: 12.01 min Scan# 1756

Delta R.T. 0.01 min

Lab File: VR025391.D

Acq: 21 Jun 2018 10:12

Instrument :

MSVOA_R

ClientSampleId :

VSTD00593

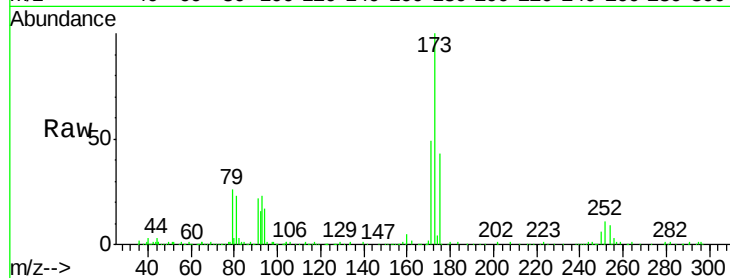
Tgt Ion:173 Resp: 38780

Ion Ratio Lower Upper

173 100

175 47.6 37.5 56.3

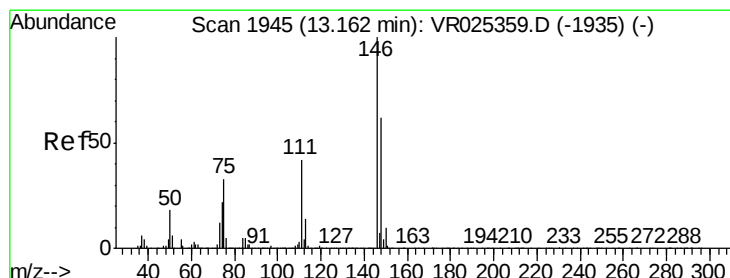
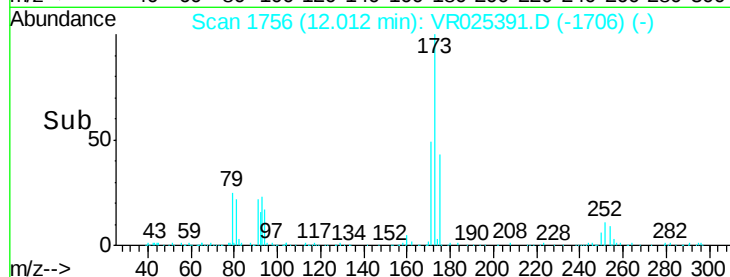
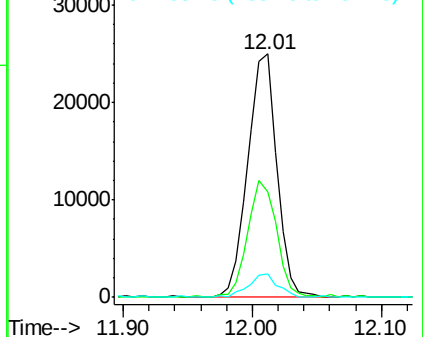
254 9.7 8.7 13.1



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#62

1,3-Dichlorobenzene

Concen: 4.681 ug/L

RT: 13.16 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VR025391.D

Acq: 21 Jun 2018 10:12

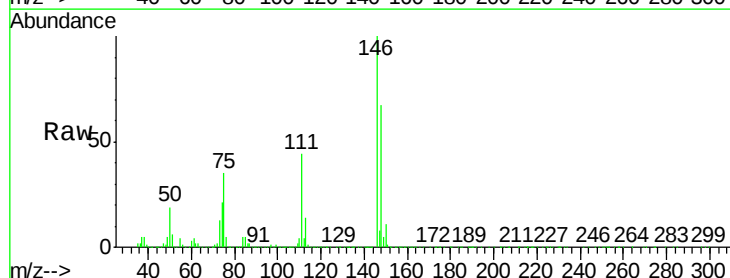
Tgt Ion:146 Resp: 404813

Ion Ratio Lower Upper

146 100

111 43.9 31.0 57.6

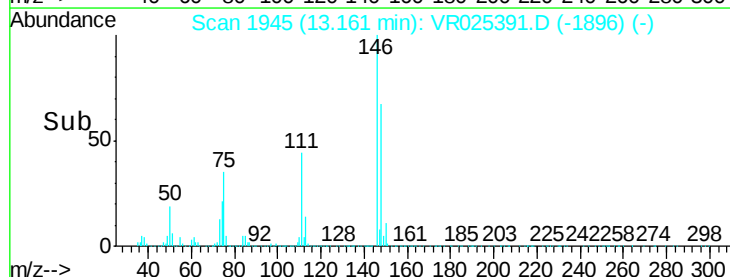
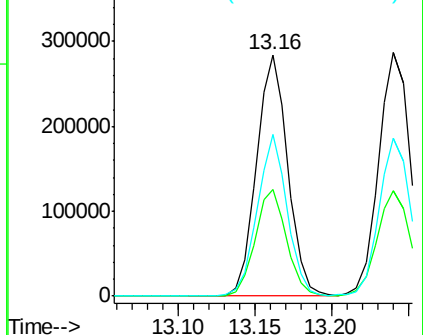
148 66.9 44.8 83.2

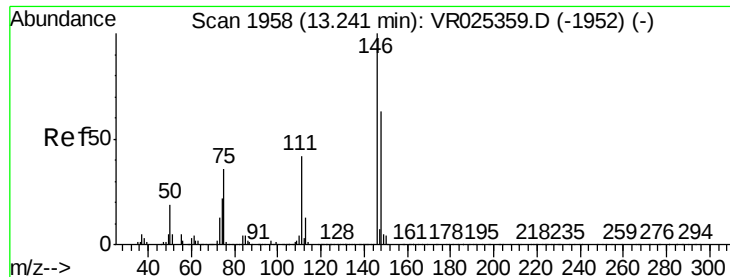


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 4.816 ug/L

RT: 13.24 min Scan# 1958

Delta R.T. -0.00 min

Lab File: VR025391.D

Acq: 21 Jun 2018 10:12

Instrument :

MSVOA_R

ClientSampleId :

VSTD00593

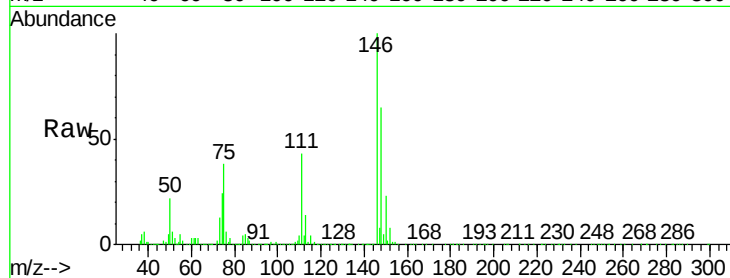
Tgt Ion:146 Resp: 416441

Ion Ratio Lower Upper

146 100

111 43.3 30.5 56.7

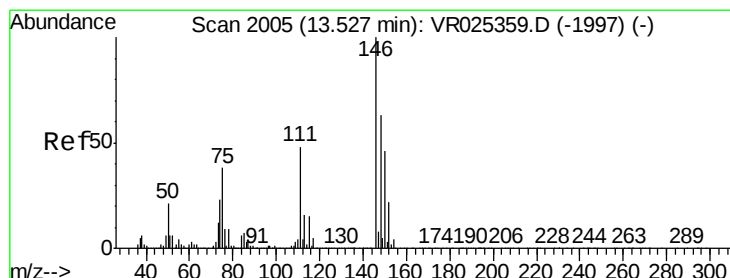
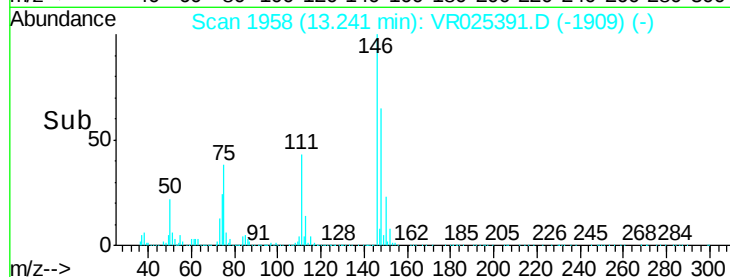
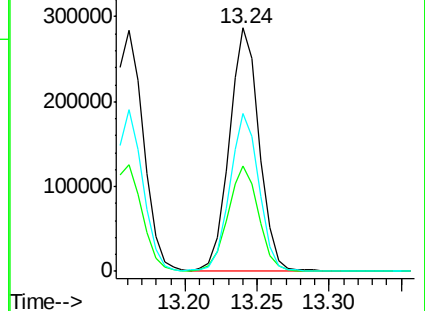
148 64.9 42.8 79.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 4.902 ug/L

RT: 13.53 min Scan# 2005

Delta R.T. -0.00 min

Lab File: VR025391.D

Acq: 21 Jun 2018 10:12

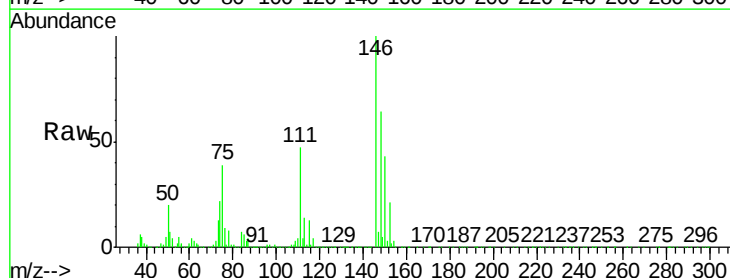
Tgt Ion:146 Resp: 339750

Ion Ratio Lower Upper

146 100

111 46.8 35.8 53.8

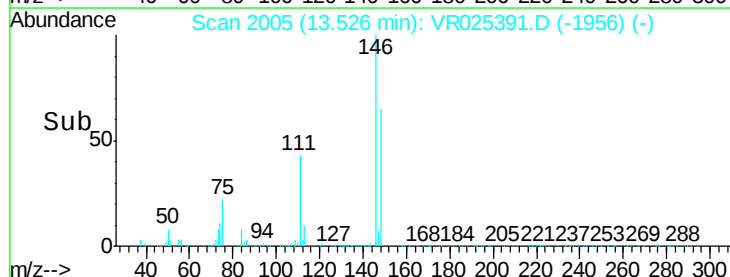
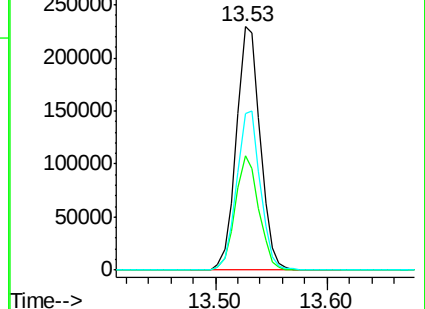
148 64.4 50.4 75.6

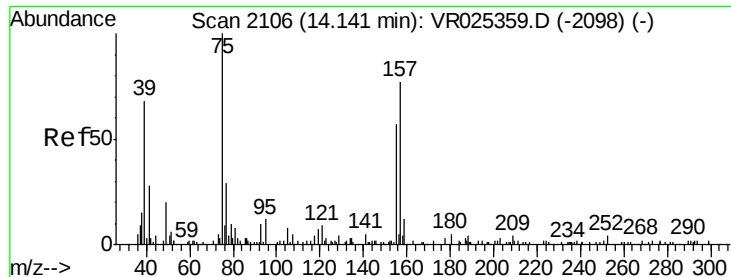


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

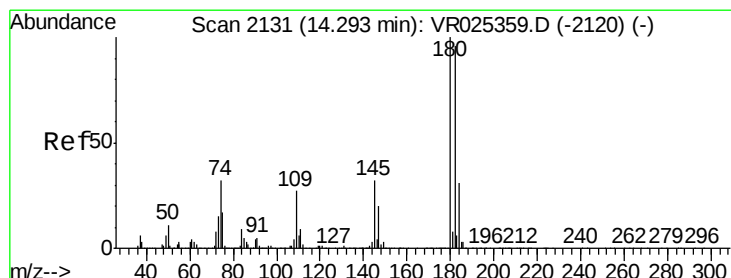
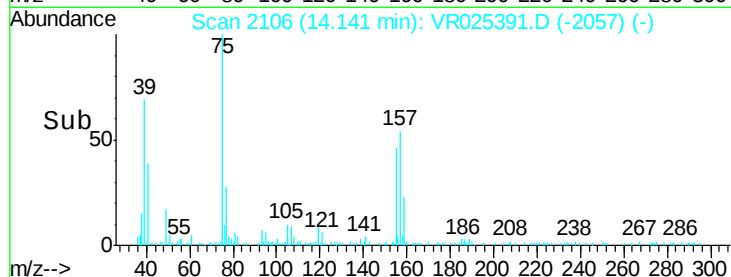
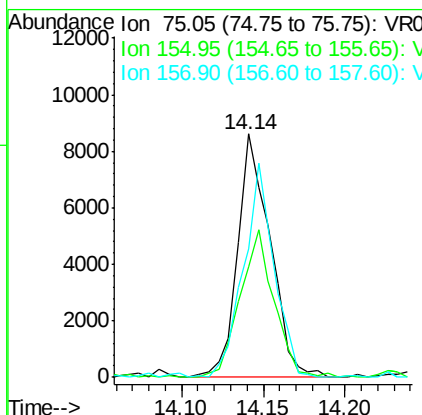
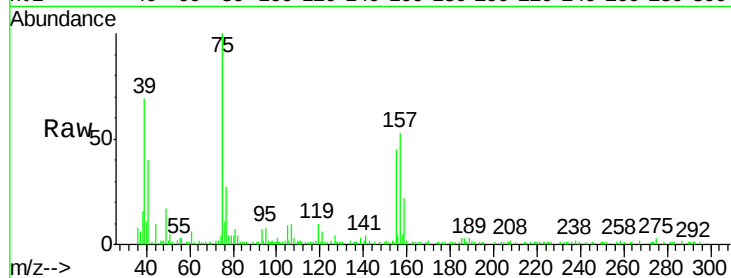




#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.360 ug/L
 RT: 14.14 min Scan# 2106
 Delta R.T. -0.00 min
 Lab File: VR025391.D
 Acq: 21 Jun 2018 10:12

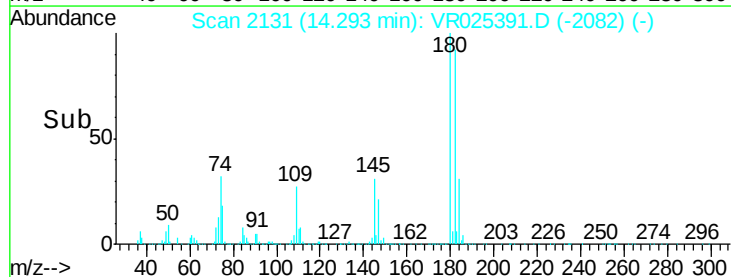
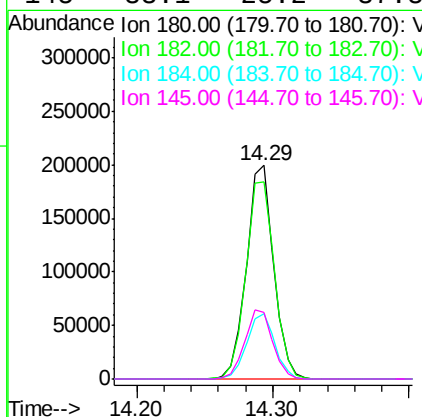
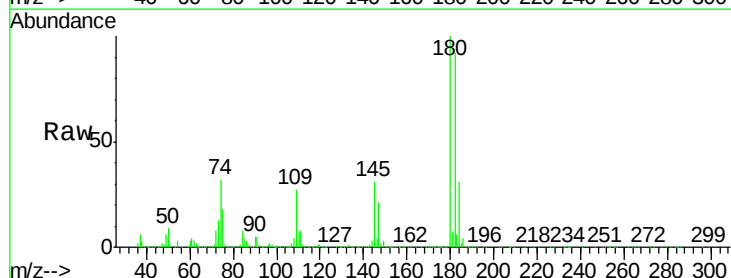
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00593

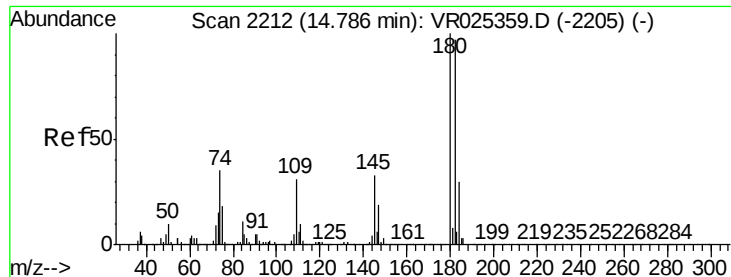
Tgt Ion: 75 Resp: 11939
 Ion Ratio Lower Upper
 75 100
 155 45.4 74.1 111.1#
 157 52.9 71.0 106.6#



#67
 1,3,5-Trichlorobenzene
 Concen: 4.876 ug/L
 RT: 14.29 min Scan# 2131
 Delta R.T. -0.00 min
 Lab File: VR025391.D
 Acq: 21 Jun 2018 10:12

Tgt Ion: 180 Resp: 279283
 Ion Ratio Lower Upper
 180 100
 182 97.1 76.0 114.0
 184 31.5 24.5 36.7
 145 33.1 25.2 37.8

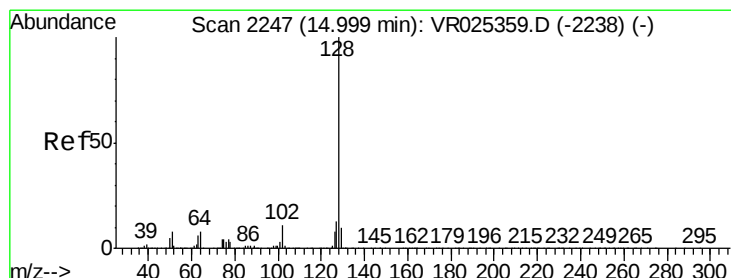
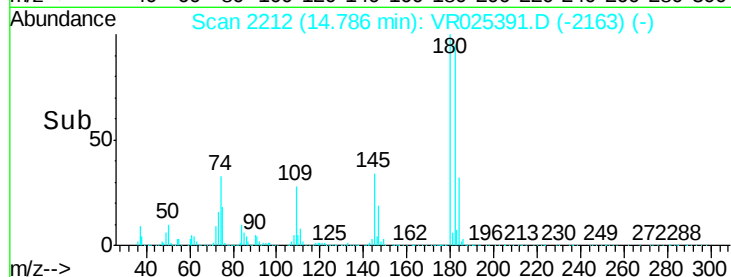
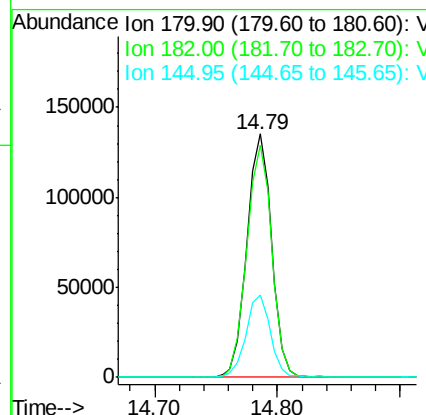
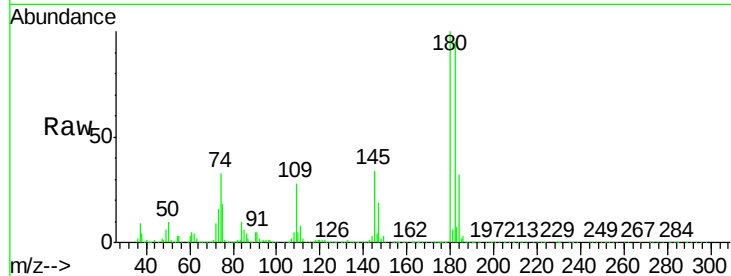




#68
1,2,4-trichlorobenzene
Concen: 4.739 ug/L
RT: 14.79 min Scan# 2212
Delta R.T. -0.00 min
Lab File: VR025391.D
Acq: 21 Jun 2018 10:12

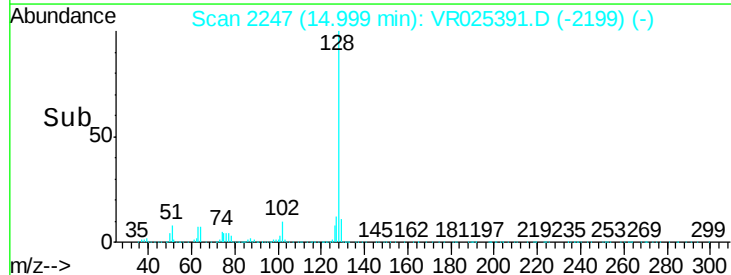
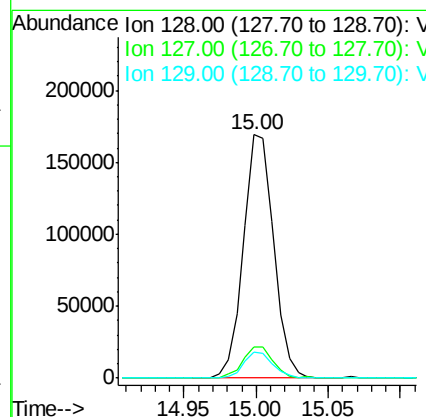
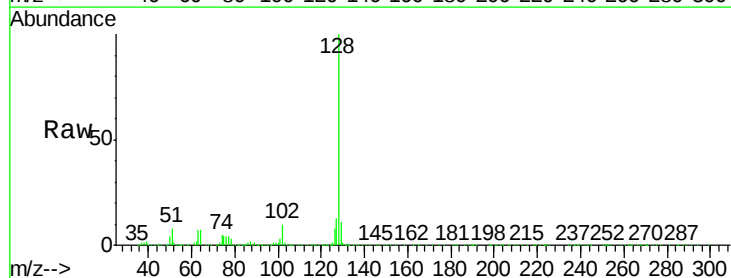
Instrument :
MSVOA_R
ClientSampled :
VSTD00593

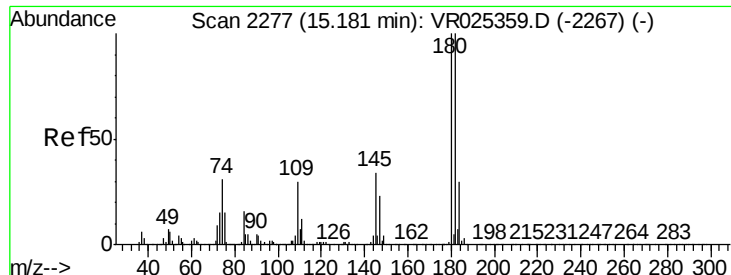
Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	75.0	112.4
145	33.3	27.3	40.9



#69
Naphthalene
Concen: 4.754 ug/L
RT: 15.00 min Scan# 2247
Delta R.T. -0.01 min
Lab File: VR025391.D
Acq: 21 Jun 2018 10:12

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	10.6	8.6	13.0





#70

1,2,3-Trichlorobenzene

Concen: 4.780 ug/L

RT: 15.18 min Scan# 2277

Delta R.T. -0.00 min

Lab File: VR025391.D

Acq: 21 Jun 2018 10:12

Instrument :

MSVOA_R

ClientSampleId :

VSTD00593

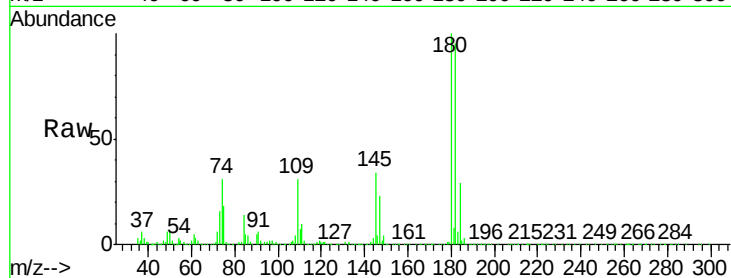
Tgt Ion:180 Resp: 147504

Ion Ratio Lower Upper

180 100

182 94.6 75.2 112.8

145 36.2 28.2 42.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

