

Data File : VR025438.D
Acq On : 5 Jul 2018 14:00
Operator : SY/MD
Sample : VSTD01084
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD01084

Quant Time: Jul 05 14:57:46 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 05 12:32:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	728823	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	609715	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	245426	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	209682	8.44	ug/L	0.00
7) Chloroethane-d5	2.62	69	170244	9.33	ug/L	-0.01
11) 1,1-Dichloroethene-d2	3.63	63	597040	9.35	ug/L	-0.02
20) 2-Butanone-d5	6.59	46	681254	102.38	ug/L	0.00
24) Chloroform-d	7.20	84	958149	10.33	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.89	65	364865	10.28	ug/L	0.00
32) Benzene-d6	7.85	84	2062505	9.97	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	580484	9.88	ug/L	0.00
41) Toluene-d8	9.97	98	1829741	10.01	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	164768	10.54	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	584150	107.68	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	253451	11.09	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.51	152	405416	9.74	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	438364	9.305 ug/L	98
3) Chloromethane	2.00	50	242970	7.125 ug/L	98
5) Vinyl chloride	2.16	62	225498	7.472 ug/L	95
6) Bromomethane	2.52	94	134973	9.175 ug/L	96
8) Chloroethane	2.66	64	134110	8.512 ug/L	96
9) Trichlorofluoromethane	2.97	101	352073	7.987 ug/L	# 1
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	215945	8.351 ug/L	97
12) 1,1-Dichloroethene	3.65	96	211846	8.269 ug/L	96
13) Acetone	3.70	43	241000	80.194 ug/L	98
14) Carbon disulfide	3.96	76	517987	9.610 ug/L	99
15) Methyl Acetate	4.19	43	59647	7.894 ug/L	96
16) Methylene chloride	4.40	84	181224	7.775 ug/L	86
17) Methyl tert-butyl Ether	4.90	73	743707	9.738 ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	547297	10.392 ug/L	98
19) 1,1-Dichloroethane	5.69	63	927578	9.375 ug/L	100
21) 2-Butanone	6.69	43	689908	97.127 ug/L	96
22) cis-1,2-Dichloroethene	6.67	96	544933	9.915 ug/L	97
23) Bromochloromethane	7.05	128	157158	9.765 ug/L	93
25) Chloroform	7.23	83	870962	9.630 ug/L	97
27) 1,2-Dichloroethane	7.99	62	388616	9.413 ug/L	# 95
29) 1,1,1-Trichloroethane	7.43	97	623994	8.616 ug/L	98
30) Cyclohexane	7.52	56	816773	8.835 ug/L	97
31) Carbon tetrachloride	7.64	117	561043	8.824 ug/L	99
33) Benzene	7.91	78	2129897	8.897 ug/L	100
34) Trichloroethene	8.71	95	526358	9.088 ug/L	99
35) Methylcyclohexane	8.96	83	846759	9.265 ug/L	96
37) 1,2-Dichloropropane	8.99	63	474953	8.925 ug/L	99
38) Bromodichloromethane	9.28	83	513227	9.944 ug/L	96
39) cis-1,3-Dichloropropene	9.72	75	625528	9.981 ug/L	97
40) 4-Methyl-2-pentanone	9.86	43	1529108	88.794 ug/L	95

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 05 12:32:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.03	91	2113192	8.238	ug/L	100
44) trans-1,3-Dichloropropene	10.27	75	445269	10.329	ug/L	98
45) 1,1,2-Trichloroethane	10.44	97	236090	9.557	ug/L	95
47) Tetrachloroethene	10.51	164	354121	9.159	ug/L	96
48) 2-Hexanone	10.64	43	1031325	93.949	ug/L	95
49) Dibromochloromethane	10.78	129	266307	11.196	ug/L	97
50) 1,2-Dibromoethane	10.89	107	197637	9.979	ug/L	96
51) Chlorobenzene	11.31	112	1196608	8.710	ug/L	99
52) Ethylbenzene	11.39	91	2304330	9.054	ug/L	98
53) m,p-Xylene	11.50	106	878495	9.041	ug/L	91
54) o-Xylene	11.83	106	780845	8.993	ug/L	96
55) Styrene	11.84	104	1232655	9.236	ug/L	98
56) Isopropylbenzene	12.13	105	2104951	9.016	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.38	83	230407	10.071	ug/L #	92
59) 1,2,3-Trichloropropane	12.43	75	169217	10.248	ug/L	100
61) Bromoform	12.01	173	101215	11.563	ug/L	99
62) 1,3-Dichlorobenzene	13.16	146	772675	8.970	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	774039	8.988	ug/L	96
65) 1,2-Dichlorobenzene	13.53	146	620484	8.989	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.15	75	25818	9.466	ug/L #	86
67) 1,3,5-Trichlorobenzene	14.29	180	491627	8.619	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	336939	8.485	ug/L	98
69) Naphthalene	15.00	128	494632	9.570	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	265623	8.643	ug/L	98

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

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ALS Vial      : 6      Sample Multiplier: 1
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Instrument :
MSVOA_R
ClientSampleId :
VSTD01084

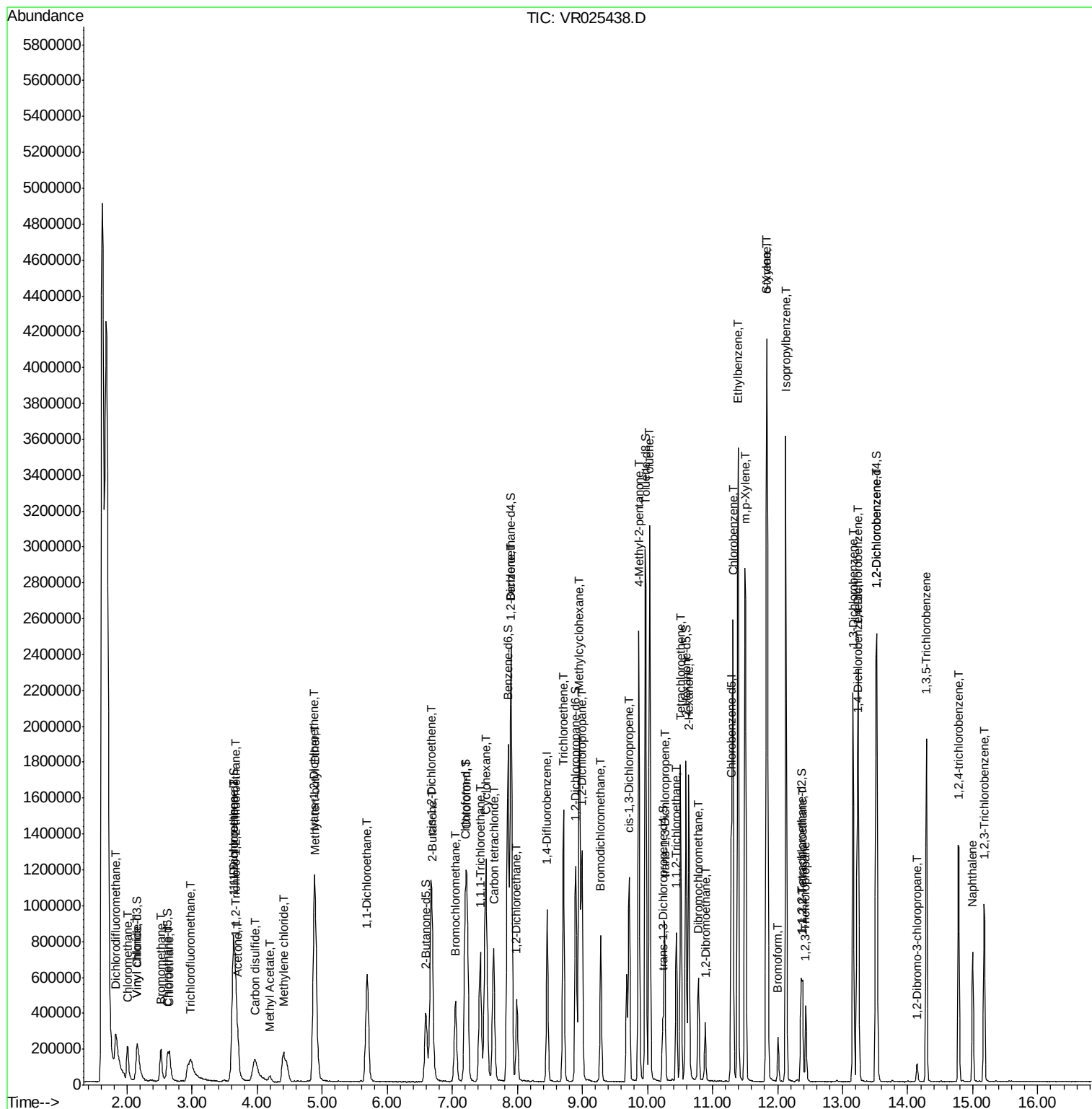
Quant Time: Jul 05 14:57:46 2018

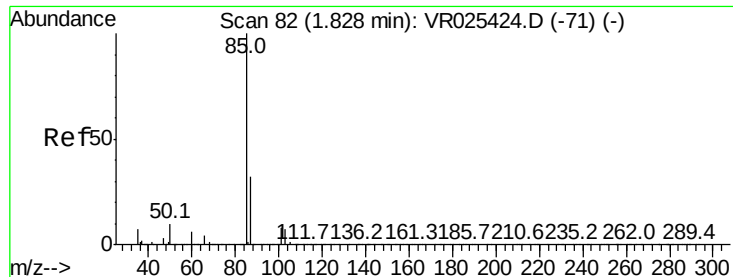
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Thu Jul 05 12:32:40 2018

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 9.305 ug/L

RT: 1.83 min Scan# 82

Delta R.T. -0.00 min

Lab File: VR025438.D

Acq: 5 Jul 2018 14:00

Instrument :

MSVOA_R

ClientSampleId :

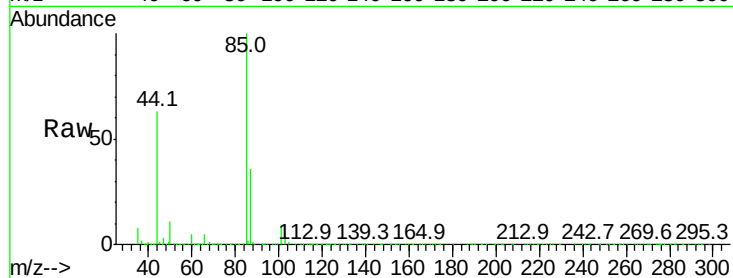
VSTD01084

Tgt Ion: 85 Resp: 438364

Ion Ratio Lower Upper

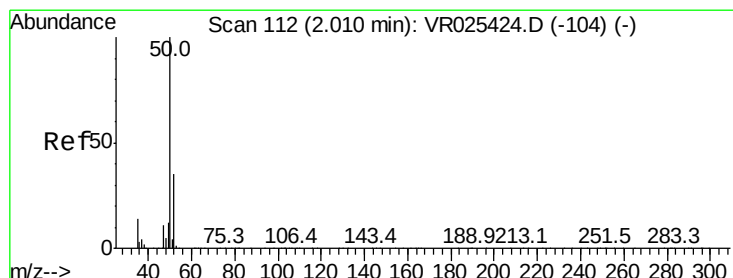
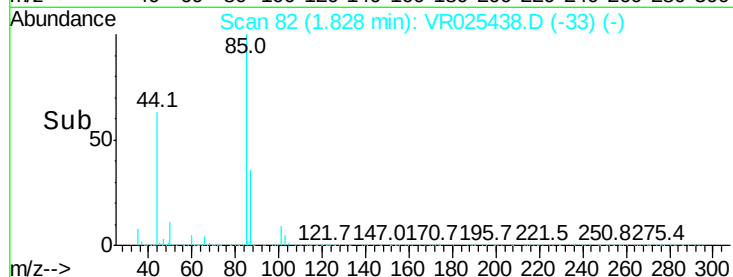
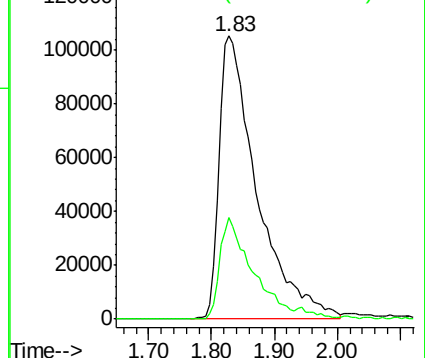
85 100

87 30.8 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: 7.125 ug/L

RT: 2.00 min Scan# 111

Delta R.T. -0.01 min

Lab File: VR025438.D

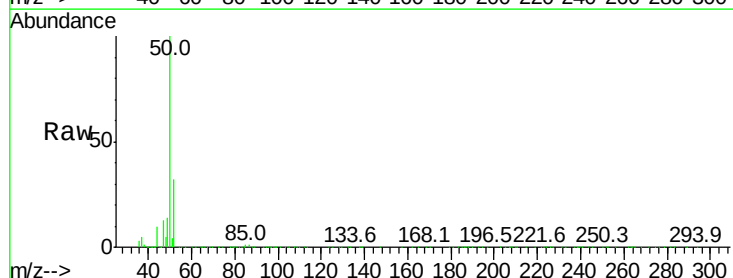
Acq: 5 Jul 2018 14:00

Tgt Ion: 50 Resp: 242970

Ion Ratio Lower Upper

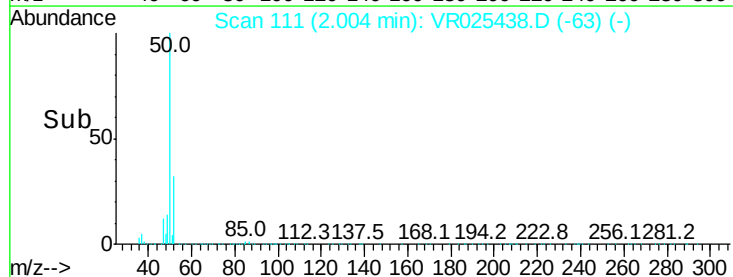
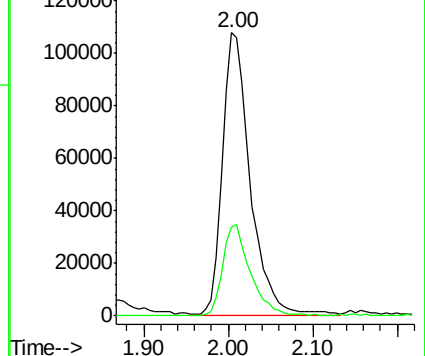
50 100

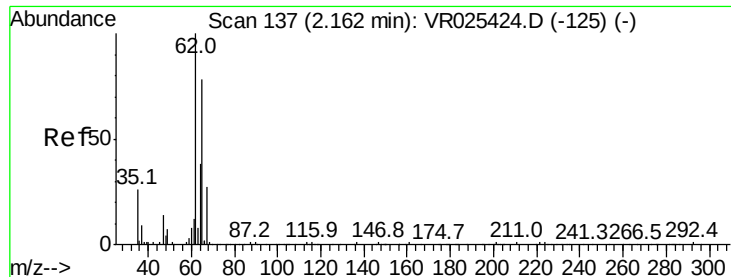
52 31.6 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 7.472 ug/L

RT: 2.16 min Scan# 137

Delta R.T. -0.00 min

Lab File: VR025438.D

Acq: 5 Jul 2018 14:00

Instrument :

MSVOA_R

ClientSampleId :

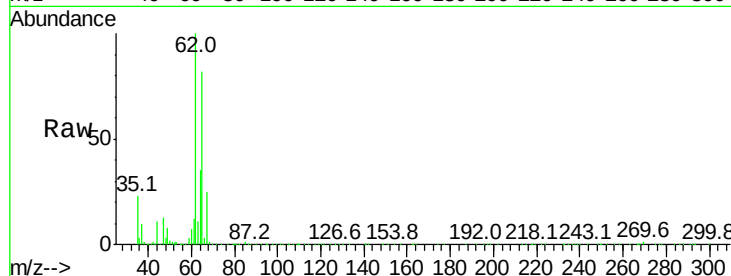
VSTD01084

Tgt Ion: 62 Resp: 225498

Ion Ratio Lower Upper

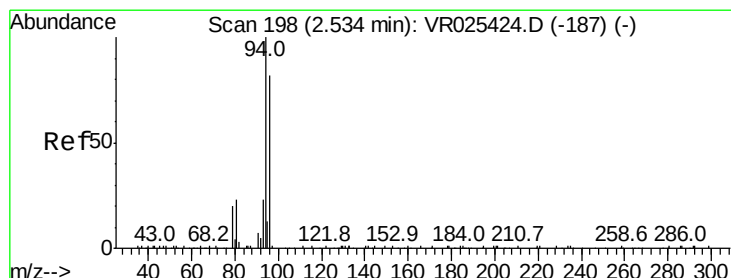
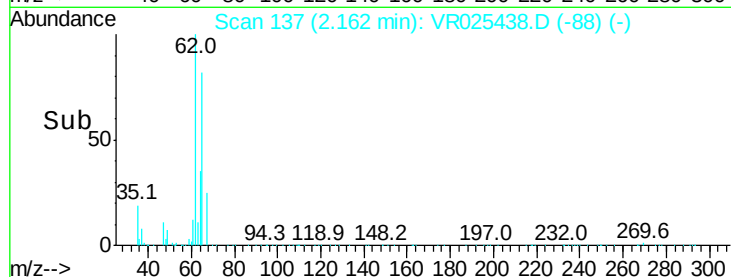
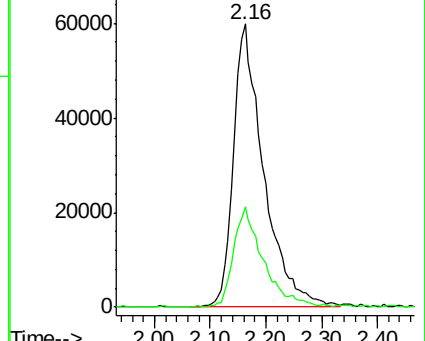
62 100

64 35.4 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0



#6

Bromomethane

Concen: 9.175 ug/L

RT: 2.52 min Scan# 196

Delta R.T. -0.01 min

Lab File: VR025438.D

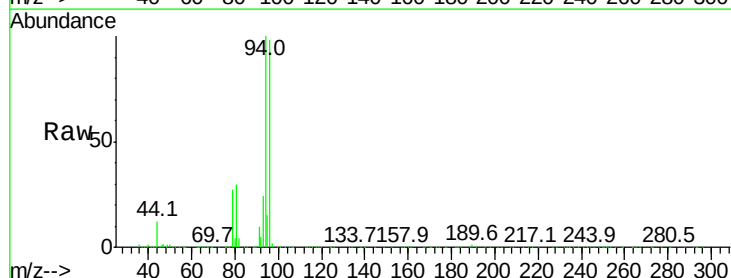
Acq: 5 Jul 2018 14:00

Tgt Ion: 94 Resp: 134973

Ion Ratio Lower Upper

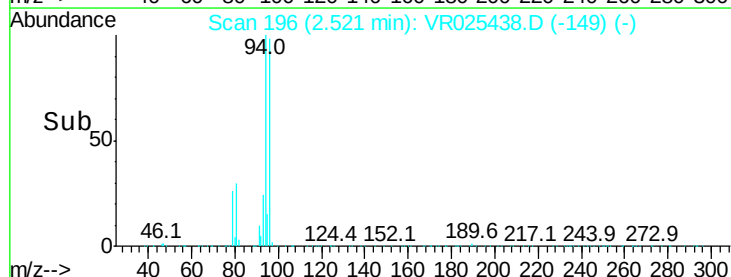
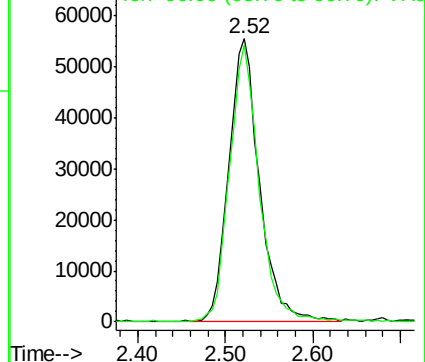
94 100

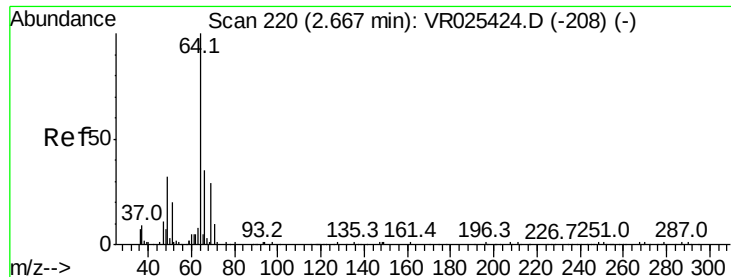
96 97.6 65.9 122.3



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0

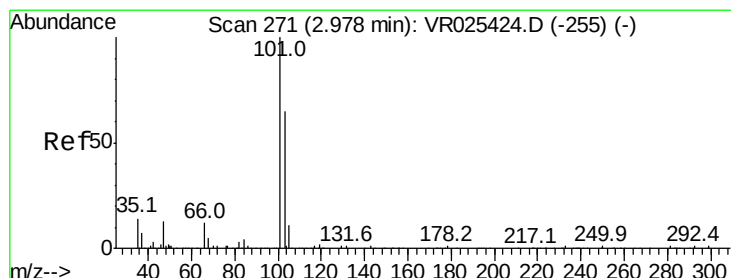
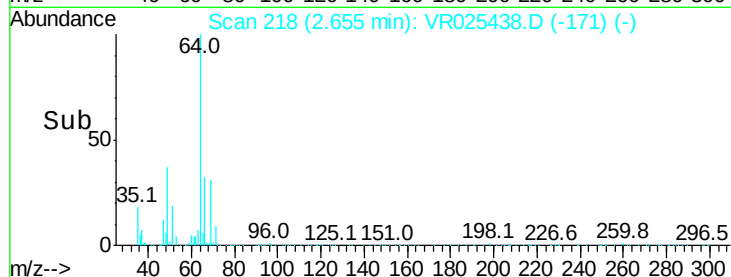
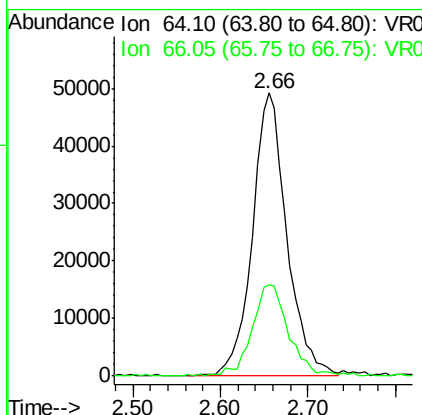
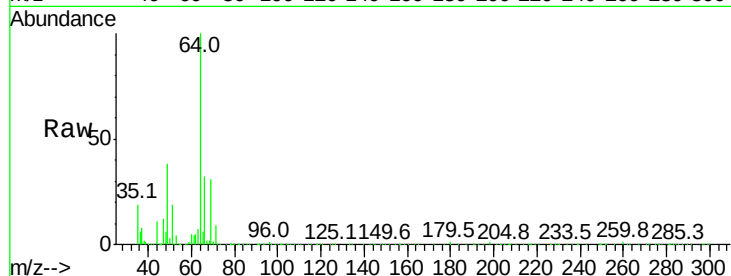




#8
Chloroethane
Concen: 8.512 ug/L
RT: 2.66 min Scan# 218
Delta R.T. -0.01 min
Lab File: VR025438.D
Acq: 5 Jul 2018 14:00

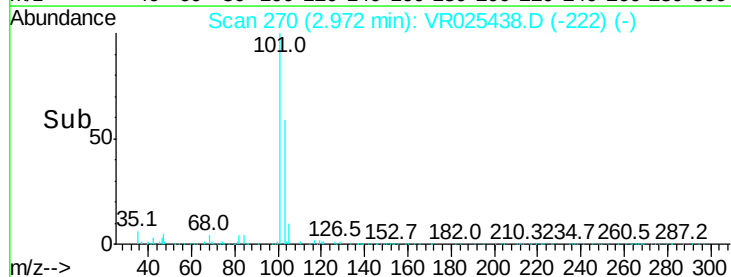
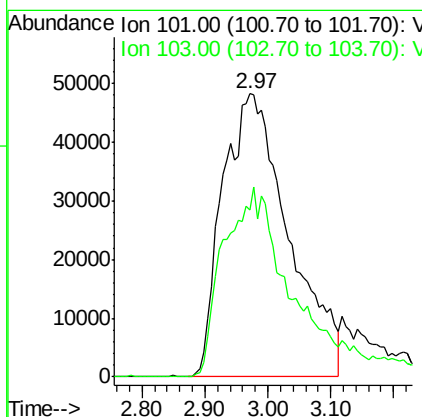
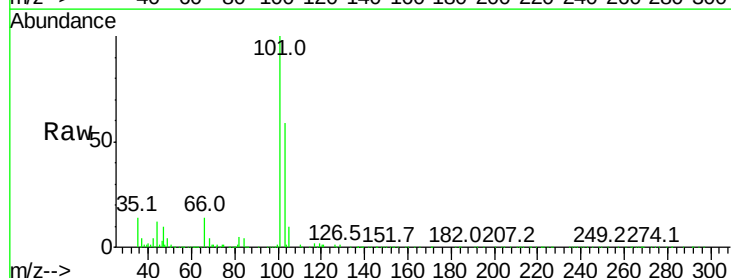
Instrument :
MSVOA_R
ClientSampled :
VSTD01084

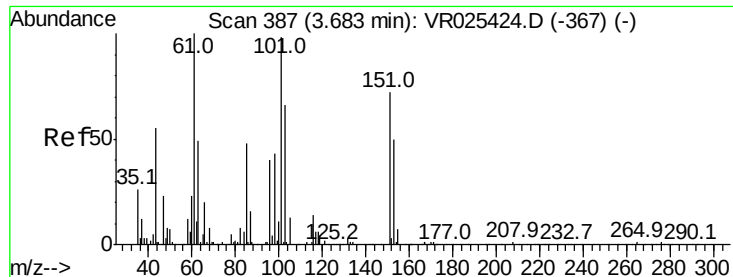
Tgt Ion: 64 Resp: 134110
Ion Ratio Lower Upper
64 100
66 32.3 21.3 39.5



#9
Trichlorofluoromethane
Concen: 7.987 ug/L
RT: 2.97 min Scan# 270
Delta R.T. -0.01 min
Lab File: VR025438.D
Acq: 5 Jul 2018 14:00

Tgt Ion: 101 Resp: 352073
Ion Ratio Lower Upper
101 100
103 64.7 11.0 16.4#





#10

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

Concen: 8.351 ug/L

RT: 3.68 min Scan# 386

Delta R.T. -0.01 min

Lab File: VR025438.D

Acq: 5 Jul 2018 14:00

Instrument :

MSVOA_R

ClientSampleId :

VSTD01084

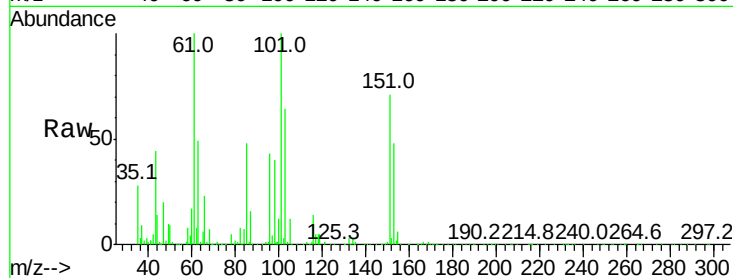
Tgt Ion:101 Resp: 215945

Ion Ratio Lower Upper

101 100

85 52.6 39.1 58.7

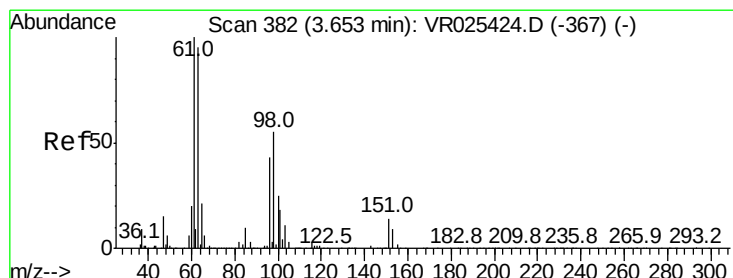
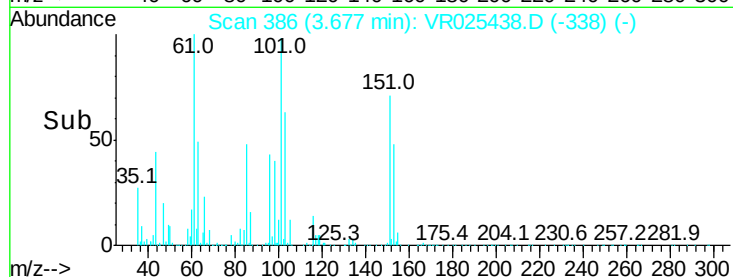
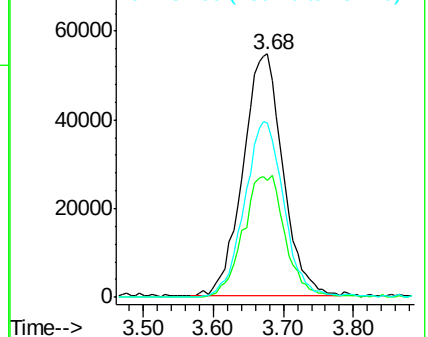
151 71.4 57.5 86.3



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: 8.269 ug/L

RT: 3.65 min Scan# 381

Delta R.T. -0.01 min

Lab File: VR025438.D

Acq: 5 Jul 2018 14:00

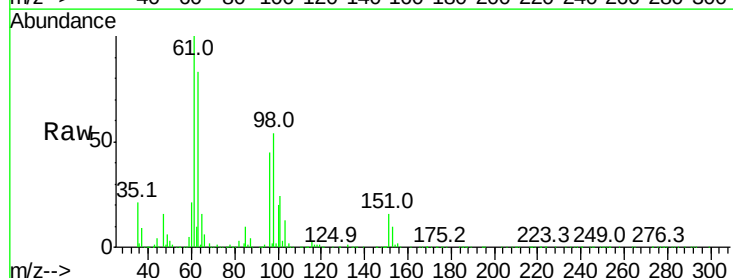
Tgt Ion: 96 Resp: 211846

Ion Ratio Lower Upper

96 100

61 222.9 155.0 287.9

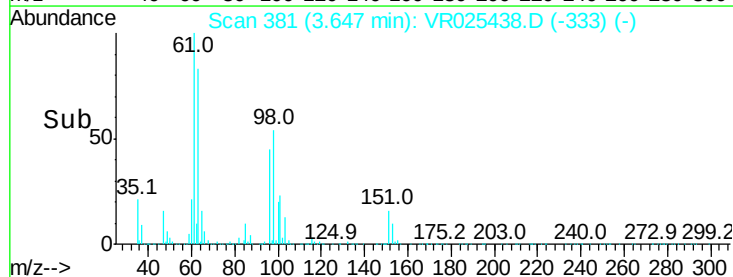
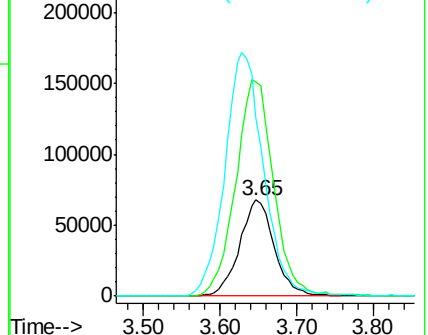
63 185.5 122.3 227.1

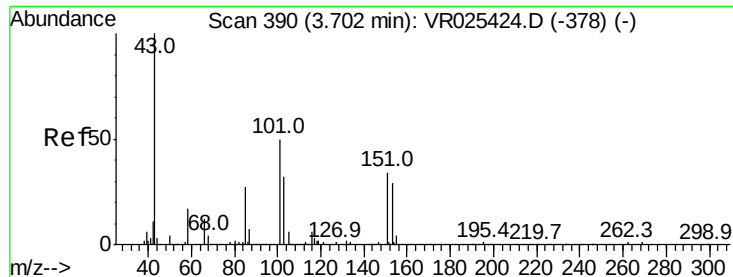


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 80.194 ug/L

RT: 3.70 min Scan# 390

Delta R.T. -0.00 min

Lab File: VR025438.D

Acq: 5 Jul 2018 14:00

Instrument :

MSVOA_R

ClientSampleId :

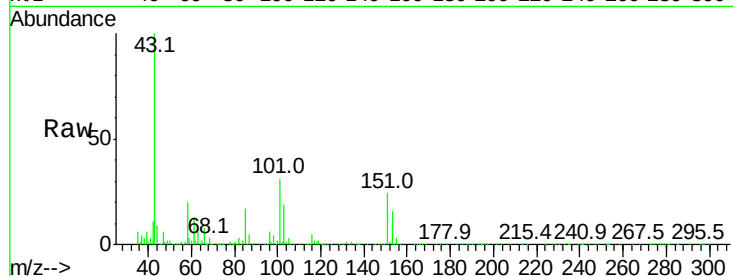
VSTD01084

Tgt Ion: 43 Resp: 241000

Ion Ratio Lower Upper

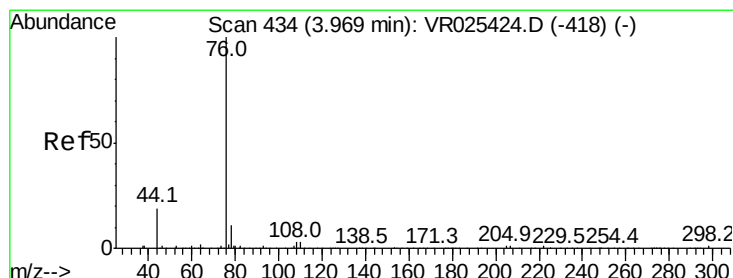
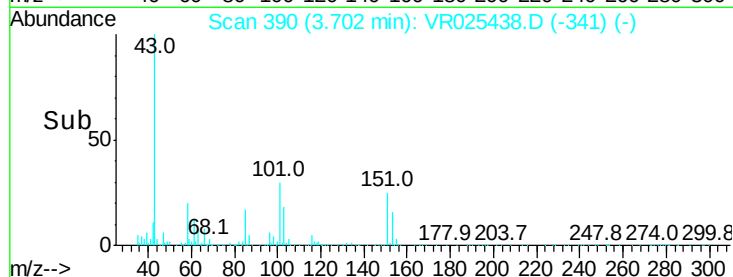
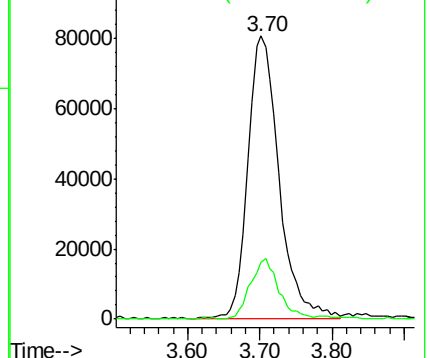
43 100

58 19.7 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: 9.610 ug/L

RT: 3.96 min Scan# 433

Delta R.T. -0.01 min

Lab File: VR025438.D

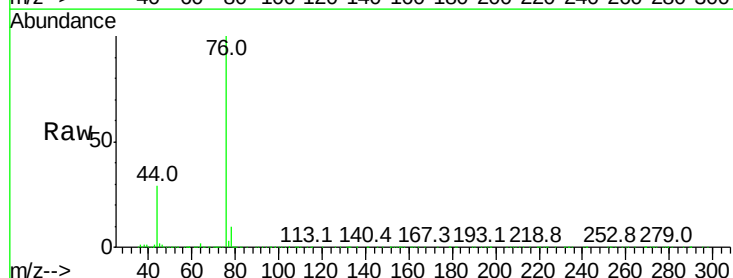
Acq: 5 Jul 2018 14:00

Tgt Ion: 76 Resp: 517987

Ion Ratio Lower Upper

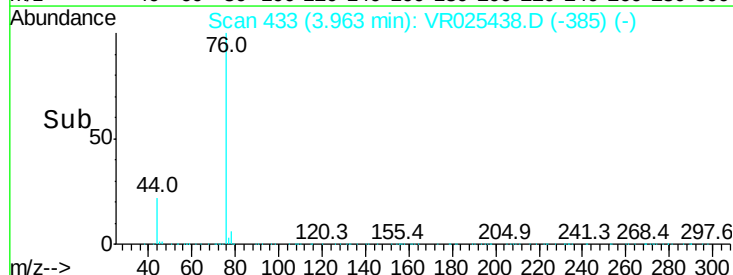
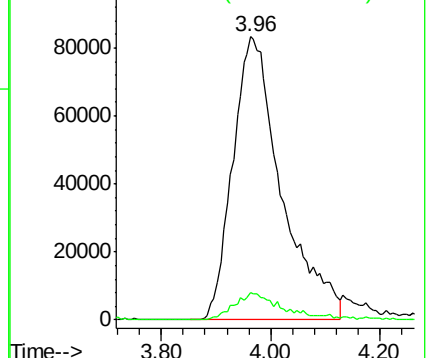
76 100

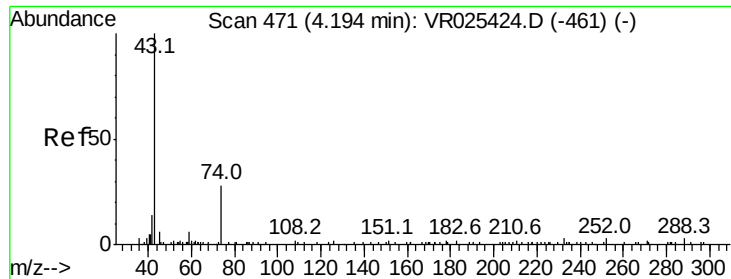
78 9.8 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

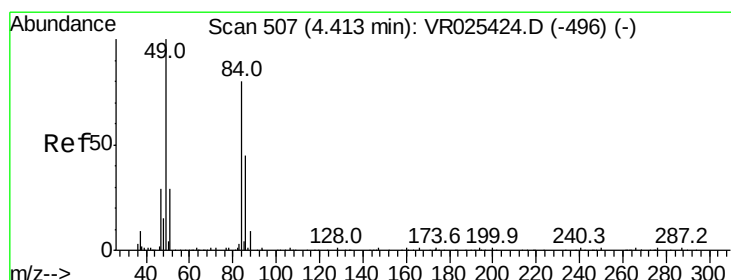
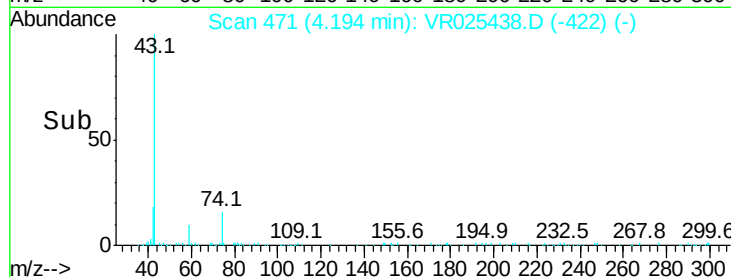
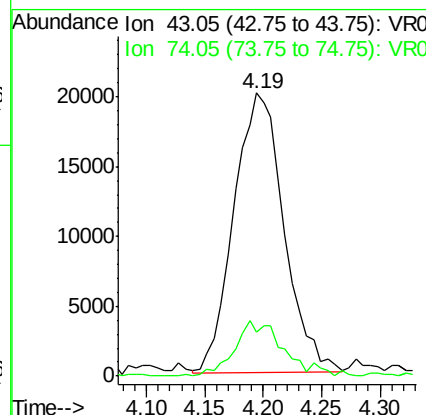
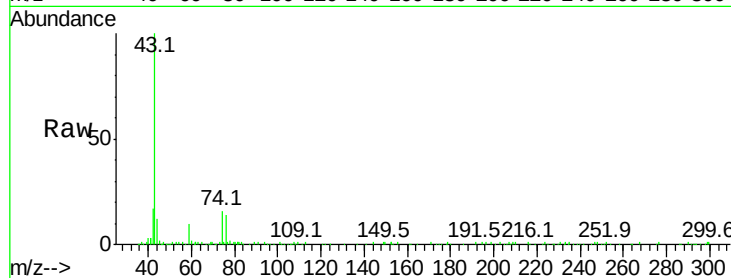




#15
Methyl Acetate
Concen: 7.894 ug/L
RT: 4.19 min Scan# 471
Delta R.T. -0.00 min
Lab File: VR025438.D
Acq: 5 Jul 2018 14:00

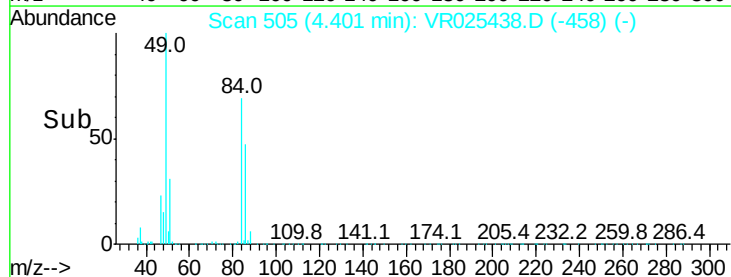
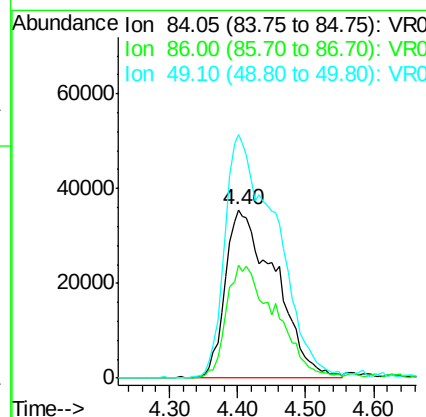
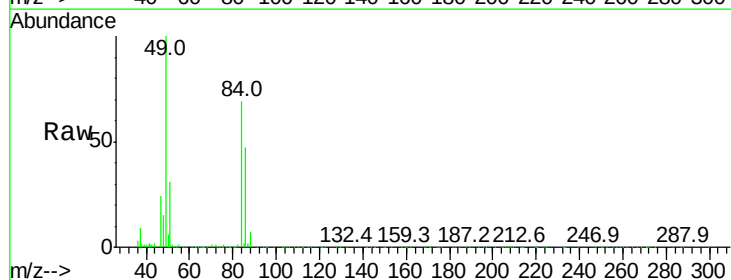
Instrument :
MSVOA_R
ClientSampleId :
VSTD01084

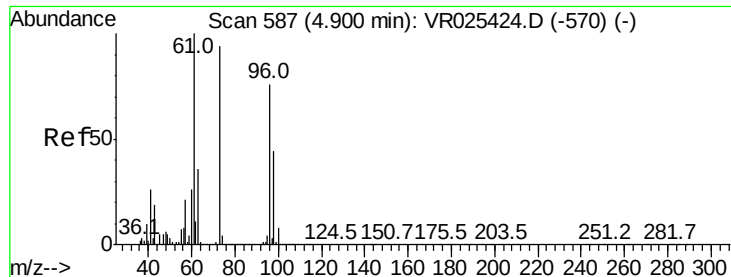
Tgt Ion: 43 Resp: 59647
Ion Ratio Lower Upper
43 100
74 19.2 16.7 25.1



#16
Methylene chloride
Concen: 7.775 ug/L
RT: 4.40 min Scan# 505
Delta R.T. -0.01 min
Lab File: VR025438.D
Acq: 5 Jul 2018 14:00

Tgt Ion: 84 Resp: 181224
Ion Ratio Lower Upper
84 100
86 67.5 43.7 81.1
49 144.6 87.2 162.0





#17

Methyl tert-butyl Ether

Concen: 9.738 ug/L

RT: 4.90 min Scan# 587

Delta R.T. -0.00 min

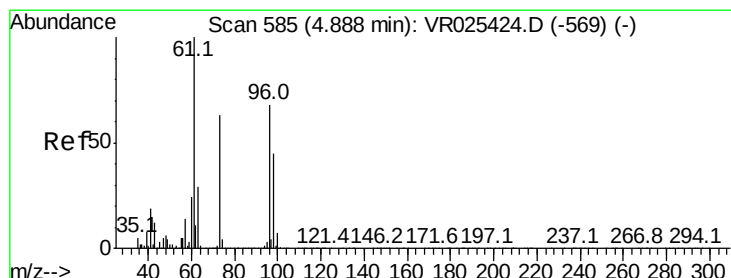
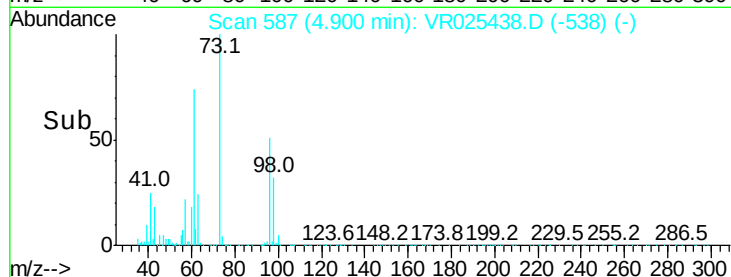
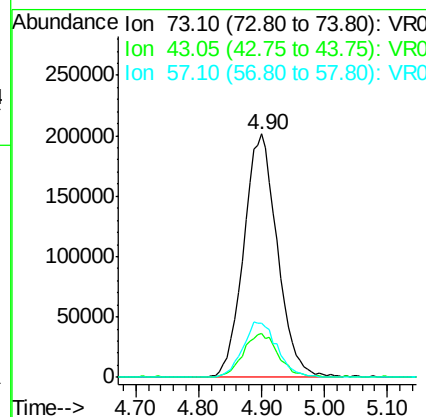
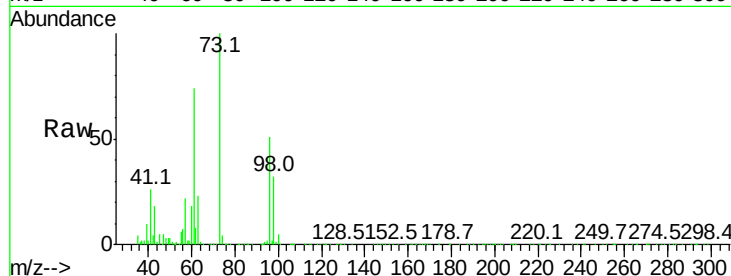
Lab File: VR025438.D

Acq: 5 Jul 2018 14:00

Instrument :
MSVOA_R
ClientSampled :
VSTD01084

Tgt Ion: 73 Resp: 743707

Ion	Ratio	Lower	Upper
73	100		
43	18.4	15.8	23.6
57	23.2	19.0	28.4



#18

trans-1,2-Dichloroethene

Concen: 10.392 ug/L

RT: 4.88 min Scan# 583

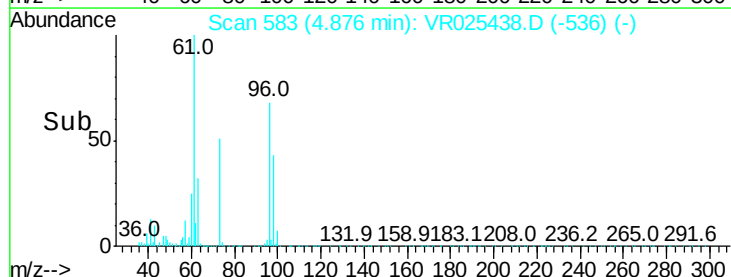
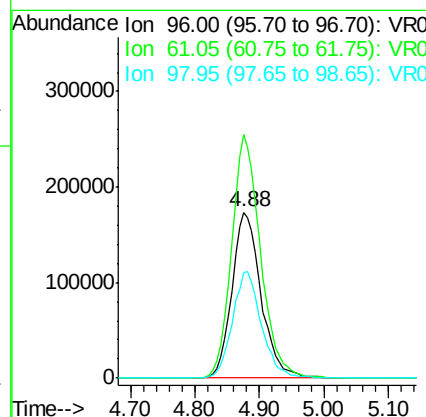
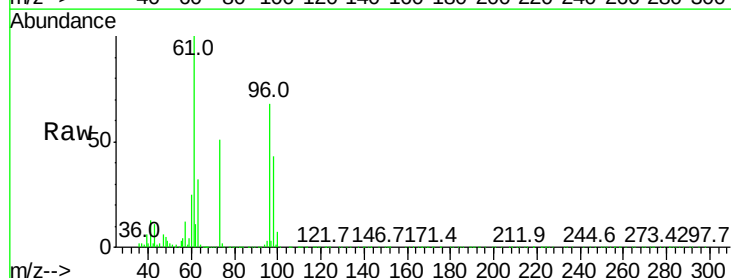
Delta R.T. -0.01 min

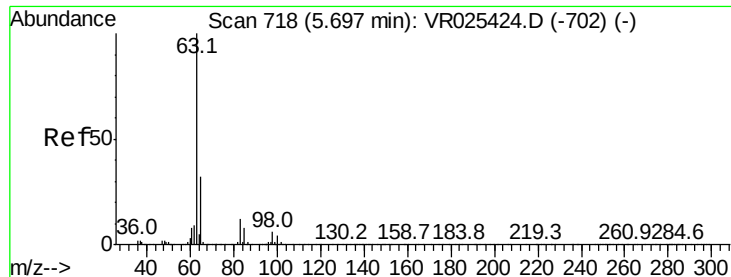
Lab File: VR025438.D

Acq: 5 Jul 2018 14:00

Tgt Ion: 96 Resp: 547297

Ion	Ratio	Lower	Upper
96	100		
61	147.0	104.4	193.8
98	63.4	43.1	80.1

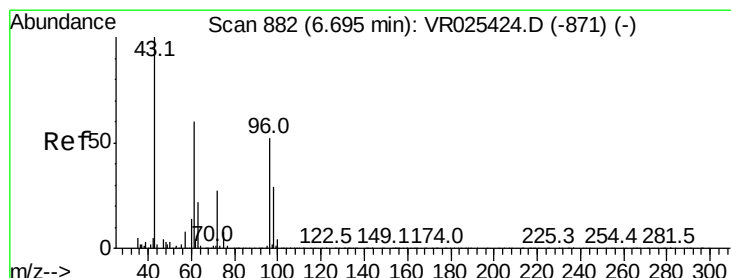
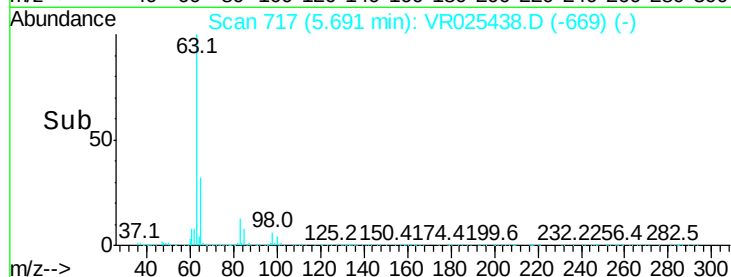
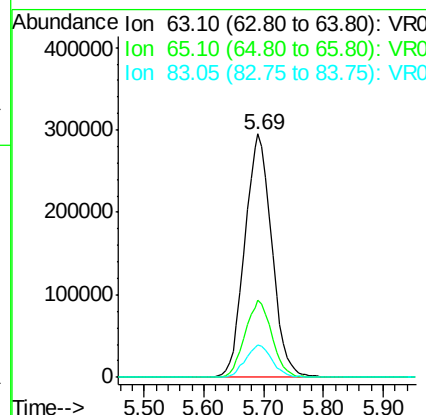
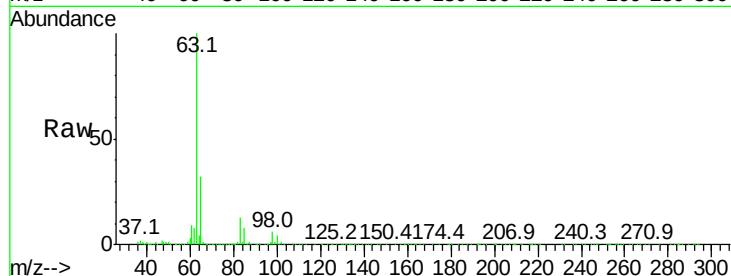




#19
 1,1-Dichloroethane
 Concen: 9.375 ug/L
 RT: 5.69 min Scan# 717
 Delta R.T. -0.01 min
 Lab File: VR025438.D
 Acq: 5 Jul 2018 14:00

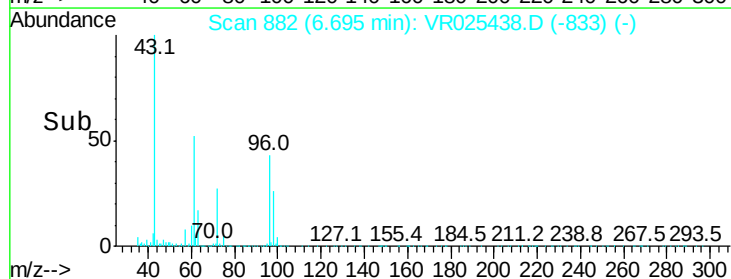
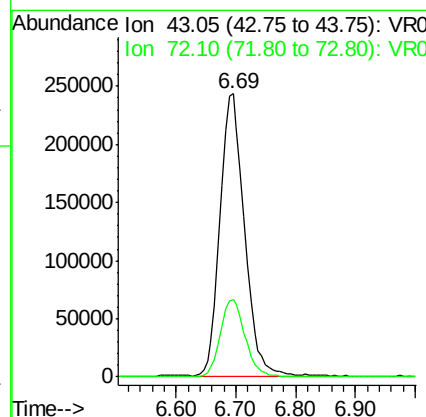
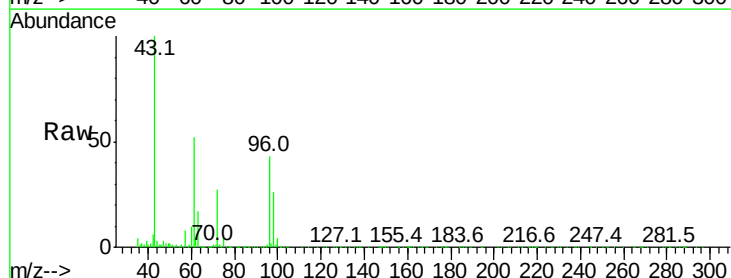
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01084

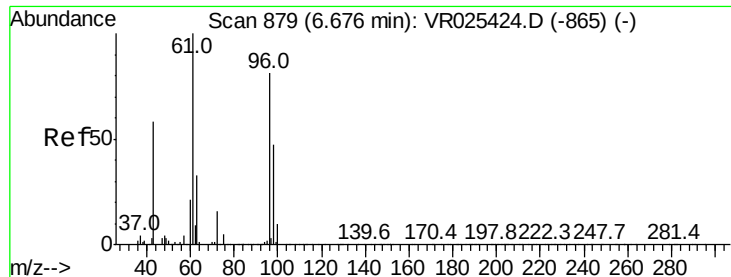
Tgt Ion: 63 Resp: 927578
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.5 41.7
 83 13.5 9.5 17.7



#21
 2-Butanone
 Concen: 97.127 ug/L
 RT: 6.69 min Scan# 882
 Delta R.T. -0.00 min
 Lab File: VR025438.D
 Acq: 5 Jul 2018 14:00

Tgt Ion: 43 Resp: 689908
 Ion Ratio Lower Upper
 43 100
 72 27.9 13.0 38.9



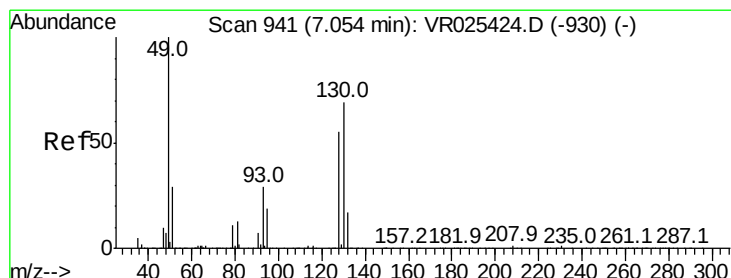
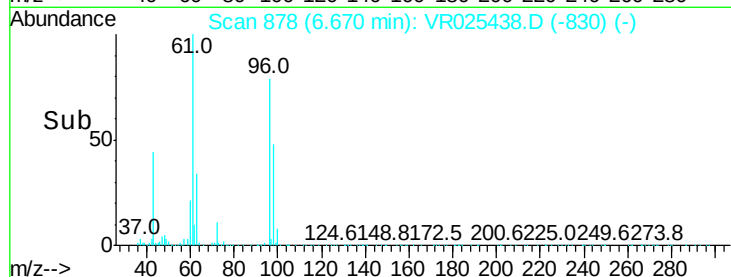
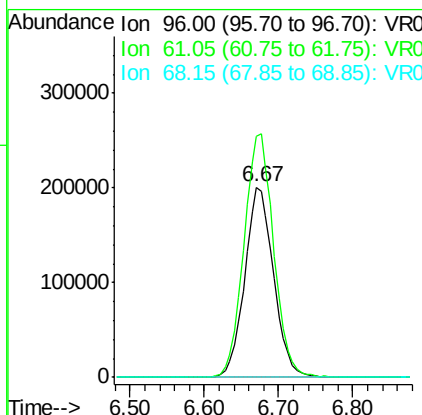
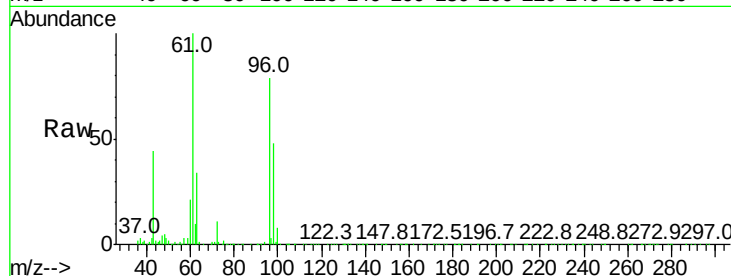


#22

cis-1,2-Dichloroethene
 Concen: 9.915 ug/L
 RT: 6.67 min Scan# 878
 Delta R.T. -0.01 min
 Lab File: VR025438.D
 Acq: 5 Jul 2018 14:00

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01084

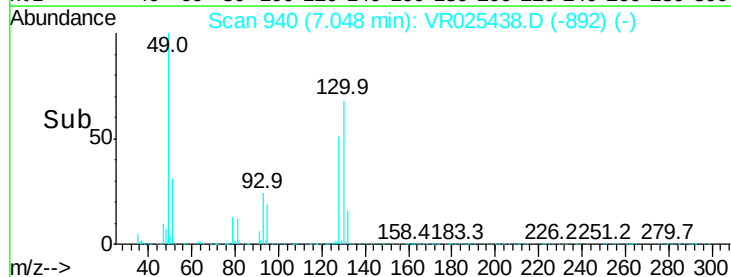
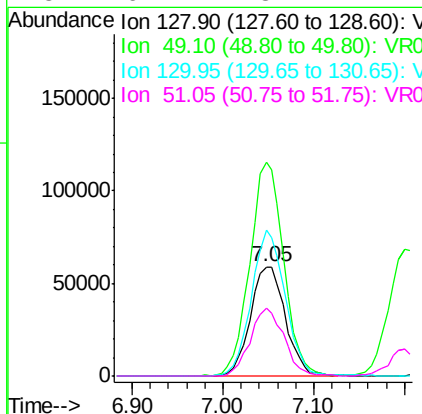
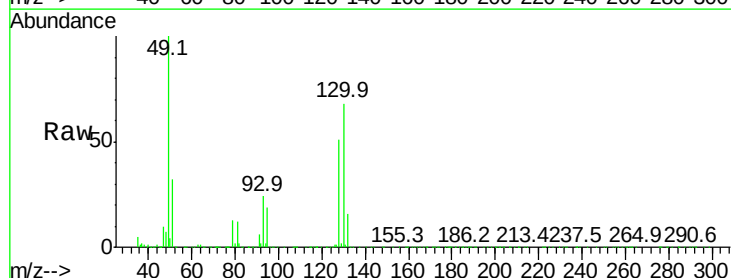
Tgt Ion	Ratio	Lower	Upper
96	100		
61	126.7	91.0	169.0
68	0.0	0.0	0.0

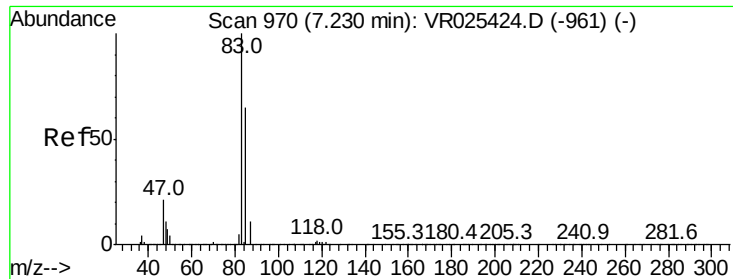


#23

Bromochloromethane
 Concen: 9.765 ug/L
 RT: 7.05 min Scan# 940
 Delta R.T. -0.01 min
 Lab File: VR025438.D
 Acq: 5 Jul 2018 14:00

Tgt Ion	Ratio	Lower	Upper
128	100		
49	195.7	128.7	238.9
130	133.6	87.2	161.9
51	61.7	48.2	72.2

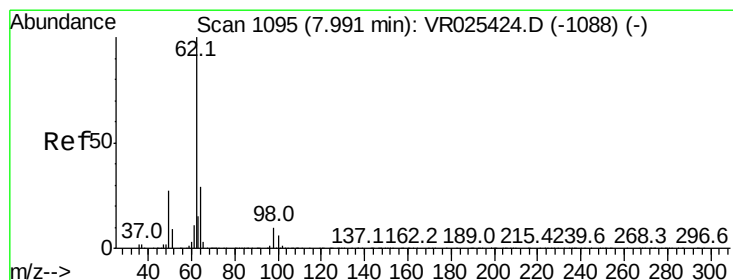
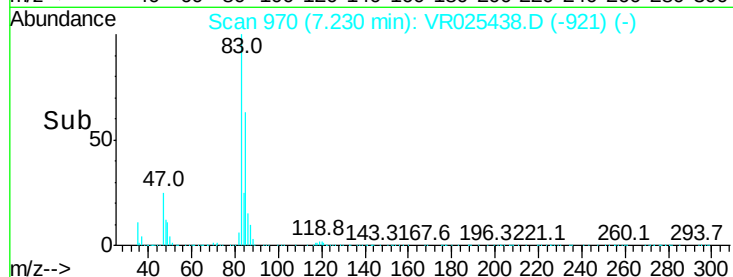
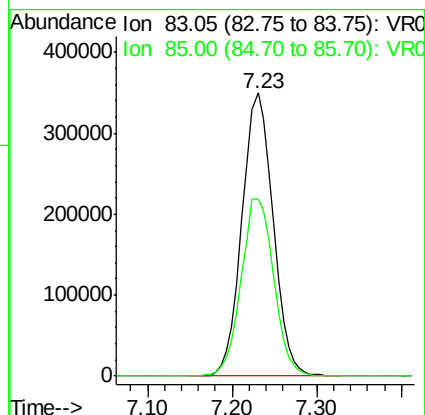
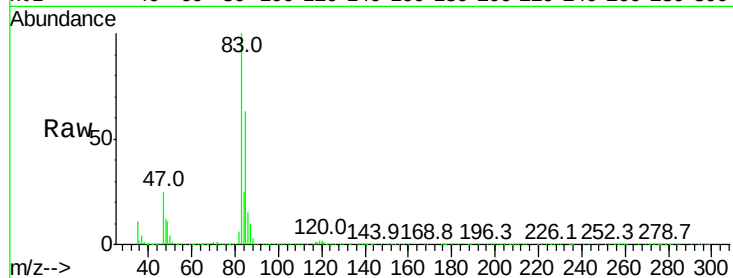




#25
Chloroform
Concen: 9.630 ug/L
RT: 7.23 min Scan# 970
Delta R.T. -0.00 min
Lab File: VR025438.D
Acq: 5 Jul 2018 14:00

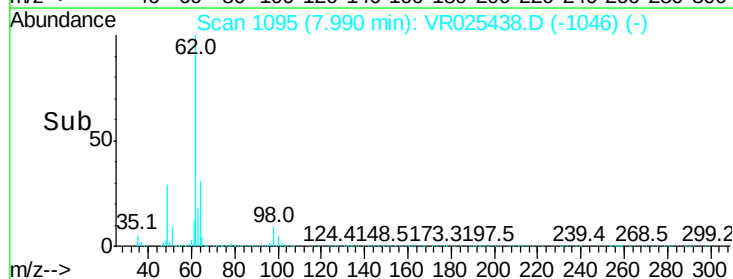
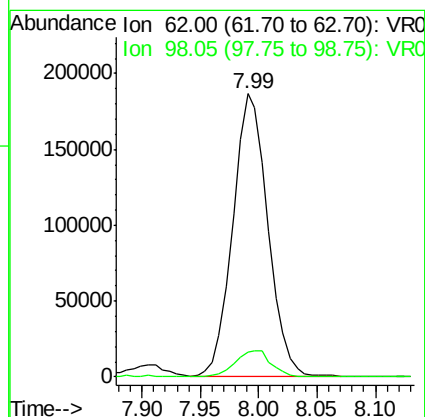
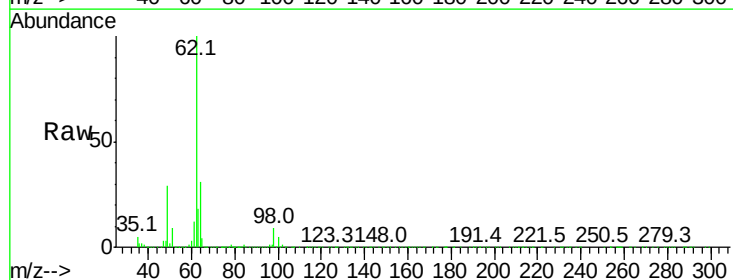
Instrument :
MSVOA_R
ClientSampleId :
VSTD01084

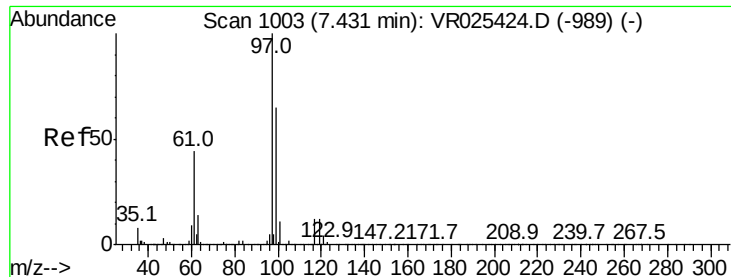
Tgt Ion: 83 Resp: 870962
Ion Ratio Lower Upper
83 100
85 62.8 45.4 84.4



#27
1,2-Dichloroethane
Concen: 9.413 ug/L
RT: 7.99 min Scan# 1095
Delta R.T. -0.00 min
Lab File: VR025438.D
Acq: 5 Jul 2018 14:00

Tgt Ion: 62 Resp: 388616
Ion Ratio Lower Upper
62 100
98 8.6 5.4 8.2#

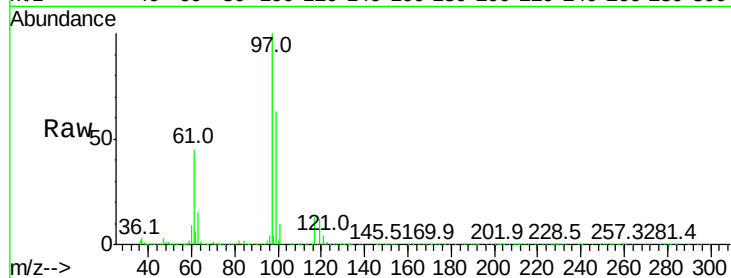




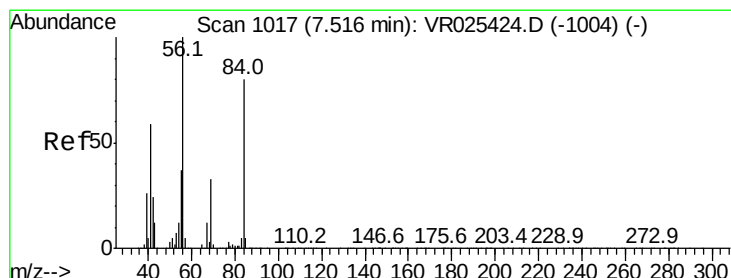
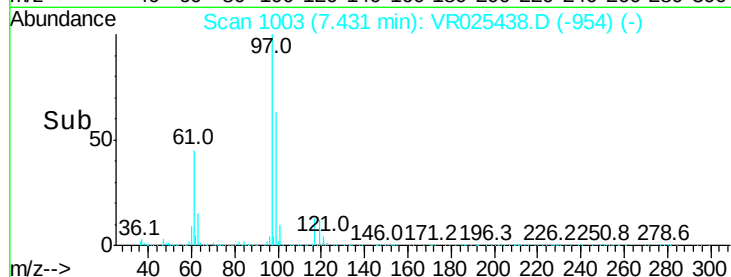
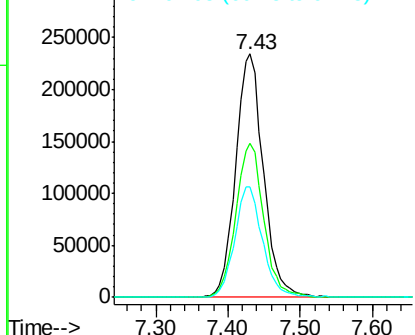
#29
 1,1,1-Trichloroethane
 Concen: 8.616 ug/L
 RT: 7.43 min Scan# 1003
 Delta R.T. -0.00 min
 Lab File: VR025438.D
 Acq: 5 Jul 2018 14:00

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01084

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	52.1	78.1
61	45.4	37.0	55.6

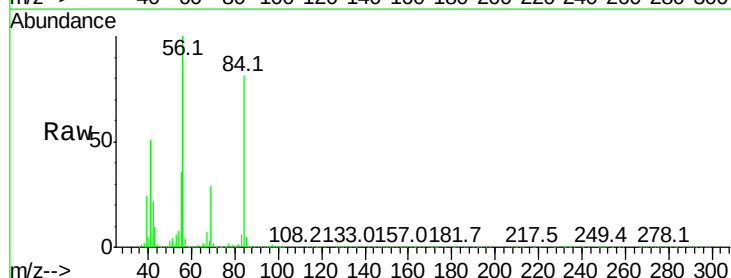


Abundance Ion 96.95 (96.65 to 97.65): VR0
 Ion 99.05 (98.75 to 99.75): VR0
 Ion 61.05 (60.75 to 61.75): VR0

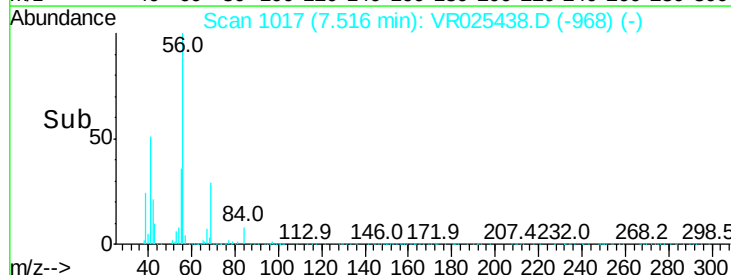
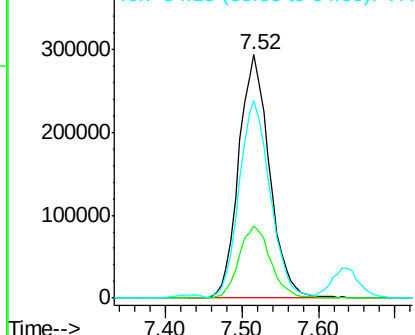


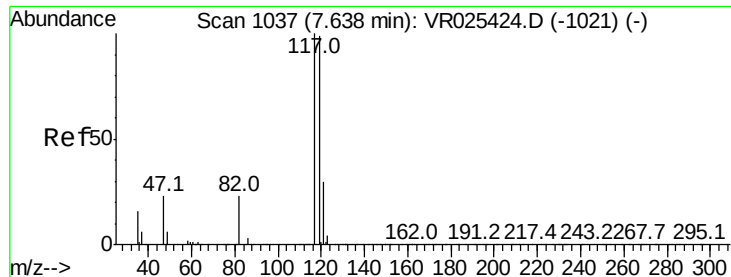
#30
 Cyclohexane
 Concen: 8.835 ug/L
 RT: 7.52 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VR025438.D
 Acq: 5 Jul 2018 14:00

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.5	23.7	35.5
84	81.8	62.6	93.8



Abundance Ion 56.10 (55.80 to 56.80): VR0
 Ion 69.15 (68.85 to 69.85): VR0
 Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 8.824 ug/L

RT: 7.64 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VR025438.D

Acq: 5 Jul 2018 14:00

Instrument :

MSVOA_R

ClientSampleId :

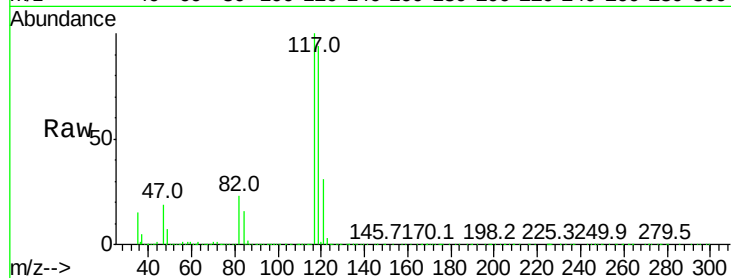
VSTD01084

Tgt Ion:117 Resp: 561043

Ion Ratio Lower Upper

117 100

119 95.5 75.5 113.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

7.64

250000

200000

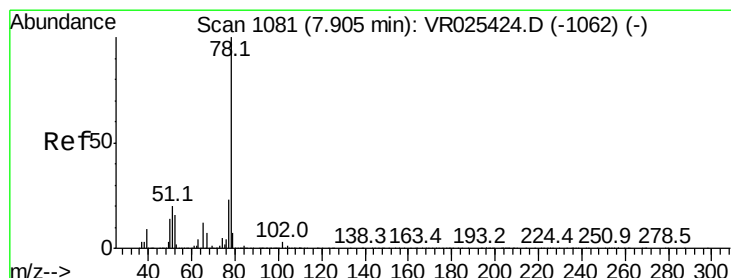
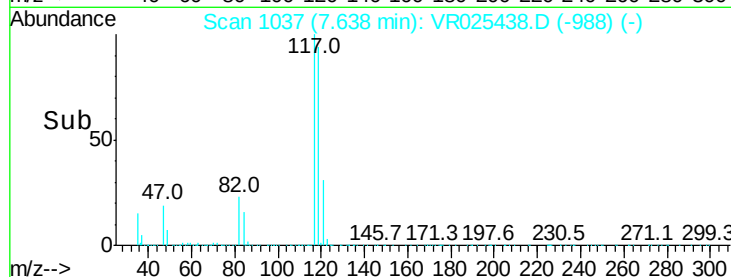
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#33

Benzene

Concen: 8.897 ug/L

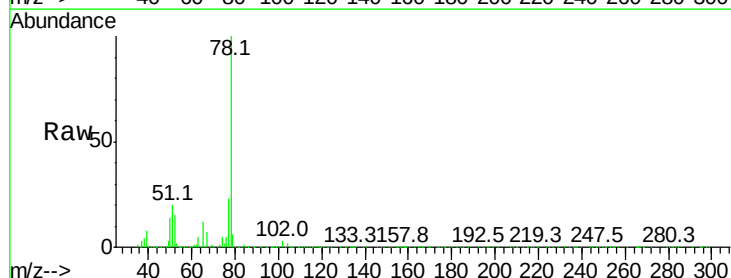
RT: 7.91 min Scan# 1081

Delta R.T. -0.00 min

Lab File: VR025438.D

Acq: 5 Jul 2018 14:00

Tgt Ion: 78 Resp: 2129897



Abundance Ion 78.10 (77.80 to 78.80): VR0

7.91

1000000

800000

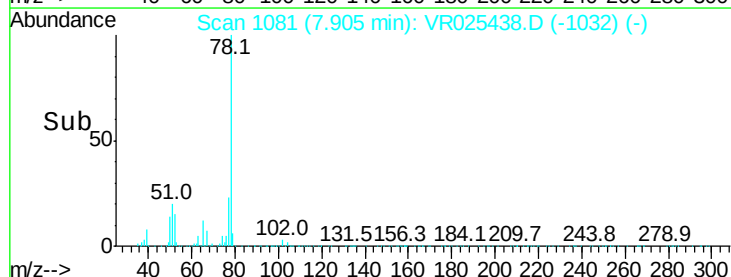
600000

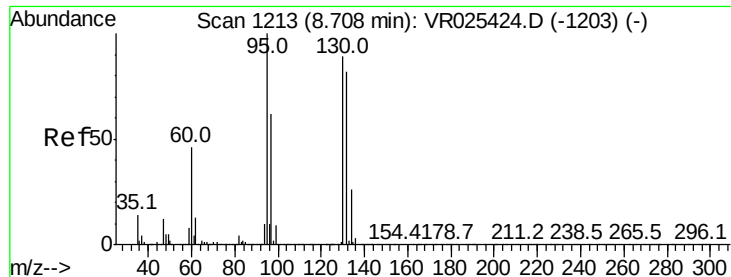
400000

200000

0

Time--> 7.70 7.80 7.90 8.00





#34

Trichloroethene

Concen: 9.088 ug/L

RT: 8.71 min Scan# 1213

Delta R.T. -0.00 min

Lab File: VR025438.D

Acq: 5 Jul 2018 14:00

Instrument :

MSVOA_R

ClientSampleId :

VSTD01084

Tgt Ion: 95 Resp: 526358

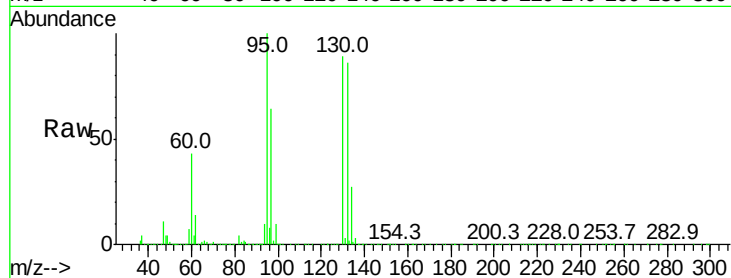
Ion Ratio Lower Upper

95 100

97 64.0 45.6 84.6

132 86.4 60.9 113.1

130 88.6 62.0 115.2

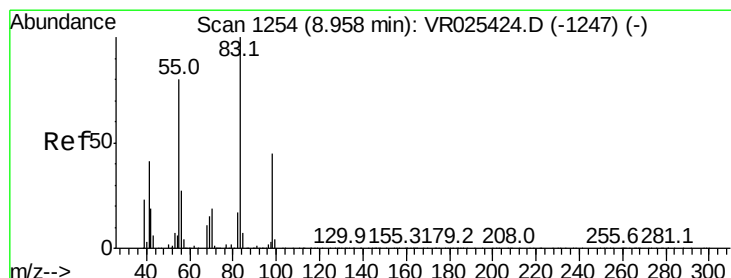
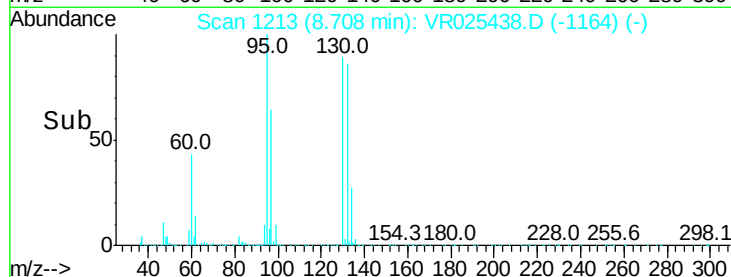
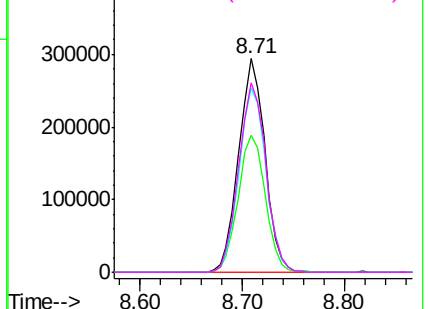


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 9.265 ug/L

RT: 8.96 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VR025438.D

Acq: 5 Jul 2018 14:00

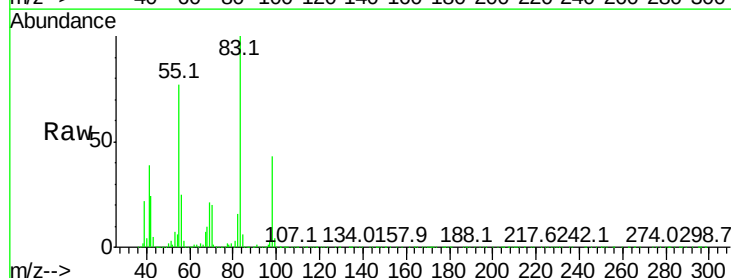
Tgt Ion: 83 Resp: 846759

Ion Ratio Lower Upper

83 100

55 78.6 66.1 99.1

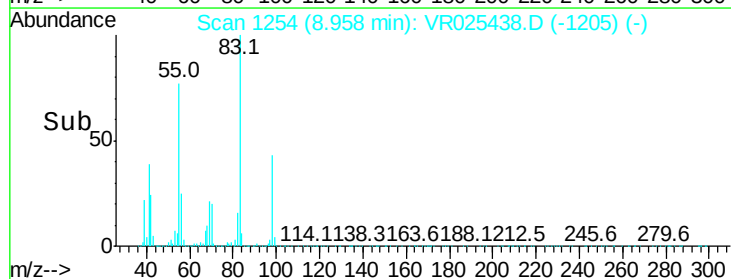
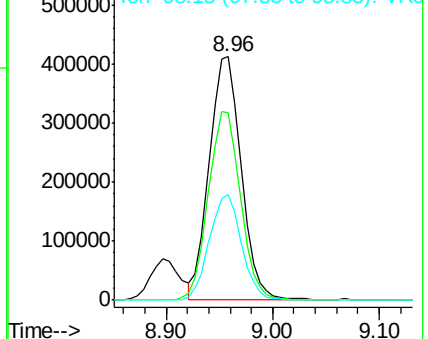
98 43.2 36.2 54.4

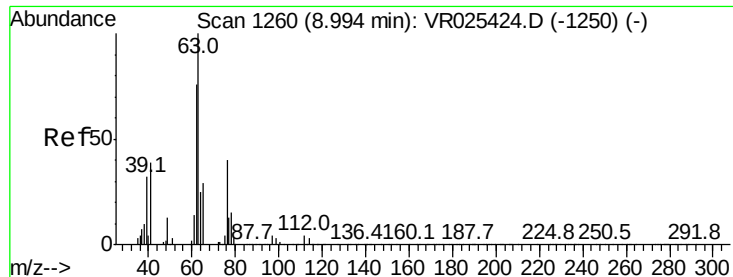


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

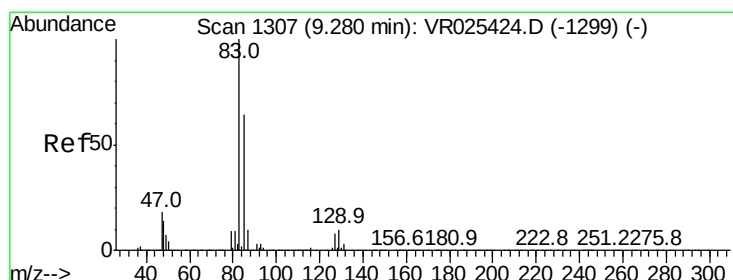
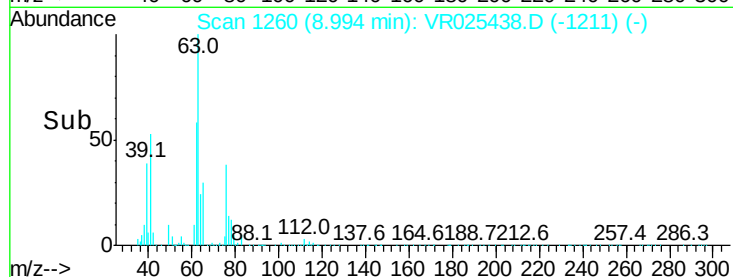
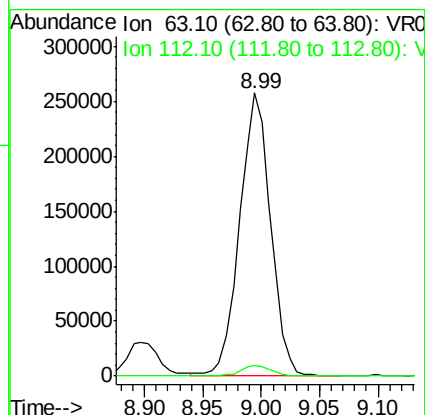
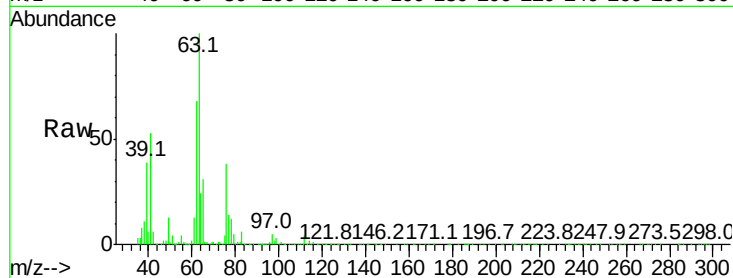




#37
 1,2-Dichloropropane
 Concen: 8.925 ug/L
 RT: 8.99 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VR025438.D
 Acq: 5 Jul 2018 14:00

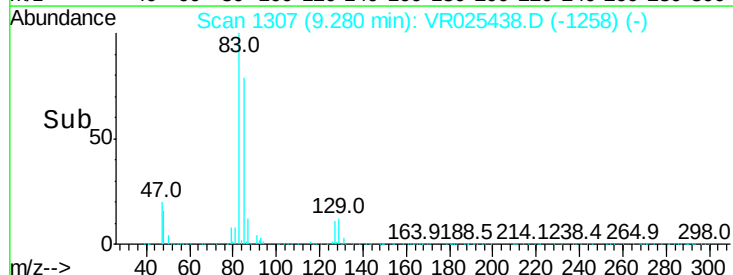
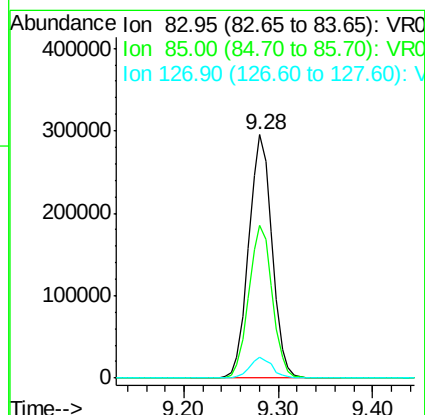
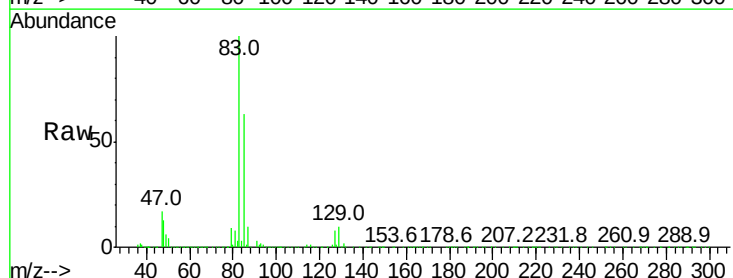
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01084

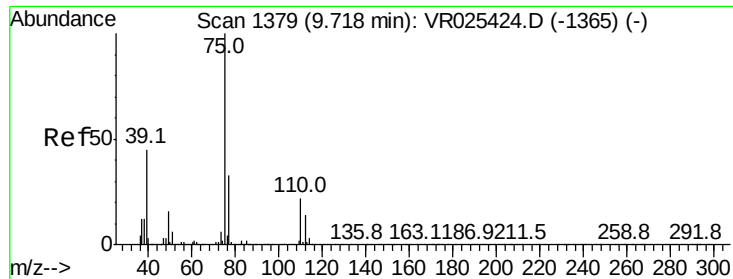
Tgt Ion: 63 Resp: 474953
 Ion Ratio Lower Upper
 63 100
 112 3.9 2.9 4.3



#38
 Bromodichloromethane
 Concen: 9.944 ug/L
 RT: 9.28 min Scan# 1307
 Delta R.T. -0.00 min
 Lab File: VR025438.D
 Acq: 5 Jul 2018 14:00

Tgt Ion: 83 Resp: 513227
 Ion Ratio Lower Upper
 83 100
 85 62.7 46.1 85.7
 127 8.5 5.7 8.5

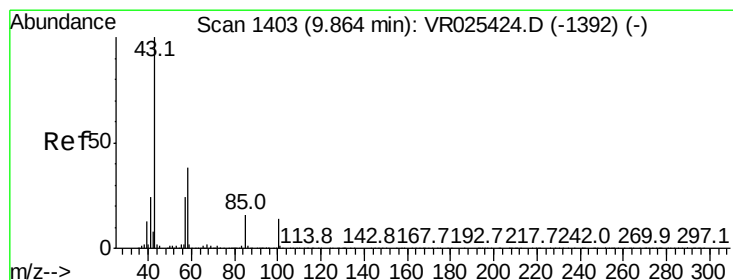
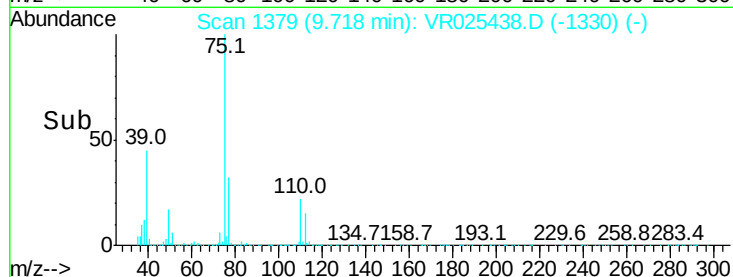
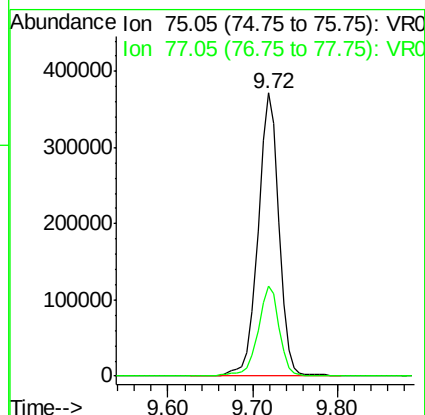
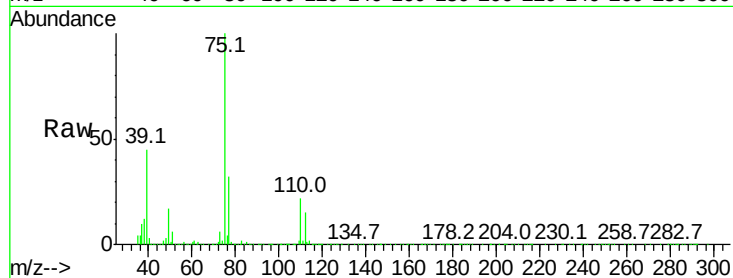




#39
 cis-1,3-Dichloropropene
 Concen: 9.981 ug/L
 RT: 9.72 min Scan# 1379
 Delta R.T. -0.00 min
 Lab File: VR025438.D
 Acq: 5 Jul 2018 14:00

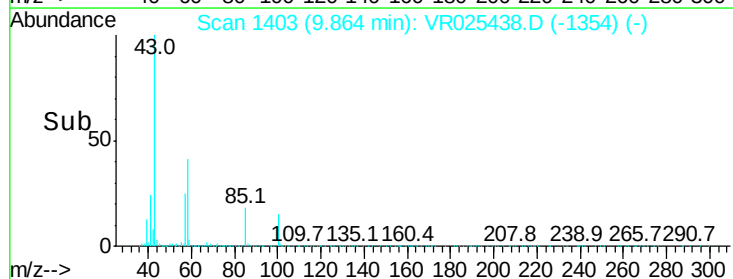
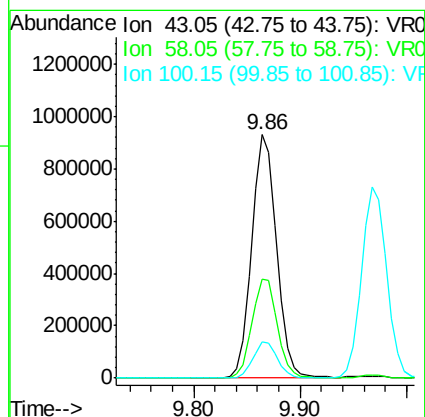
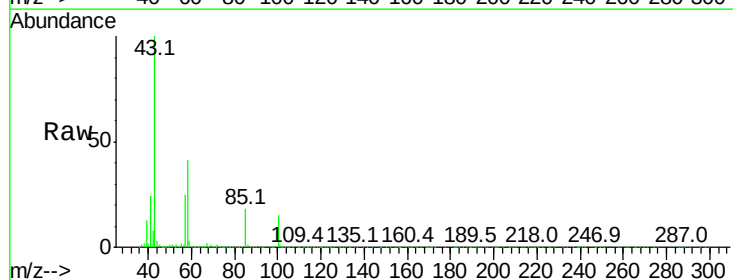
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01084

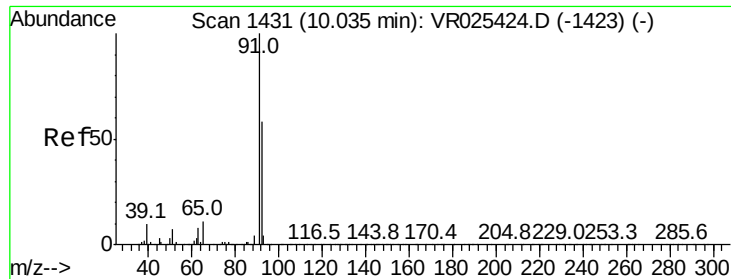
Tgt Ion: 75 Resp: 625528
 Ion Ratio Lower Upper
 75 100
 77 32.0 21.1 39.1



#40
 4-Methyl-2-pentanone
 Concen: 88.794 ug/L
 RT: 9.86 min Scan# 1403
 Delta R.T. -0.00 min
 Lab File: VR025438.D
 Acq: 5 Jul 2018 14:00

Tgt Ion: 43 Resp: 1529108
 Ion Ratio Lower Upper
 43 100
 58 41.2 30.3 45.5
 100 14.5 10.3 15.5





#42

Toluene

Concen: 8.238 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VR025438.D

Acq: 5 Jul 2018 14:00

Instrument :

MSVOA_R

ClientSampled :

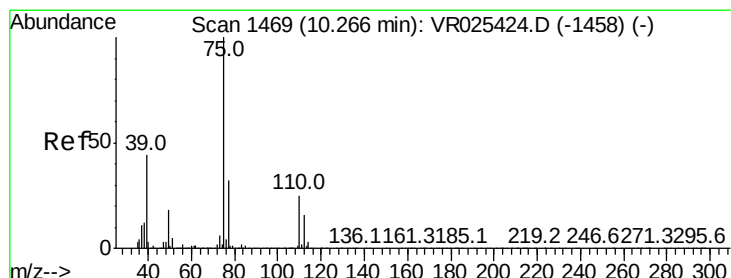
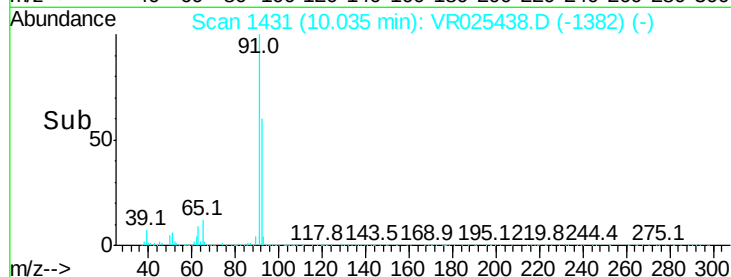
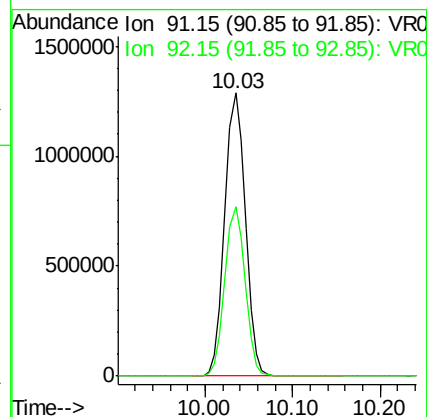
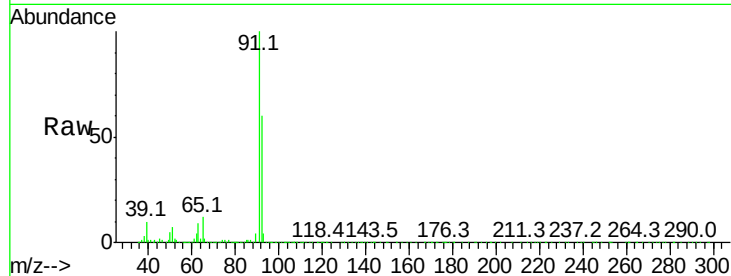
VSTD01084

Tgt Ion: 91 Resp: 2113192

Ion Ratio Lower Upper

91 100

92 59.8 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 10.329 ug/L

RT: 10.27 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VR025438.D

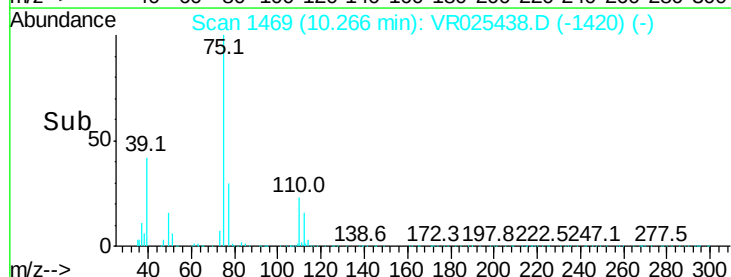
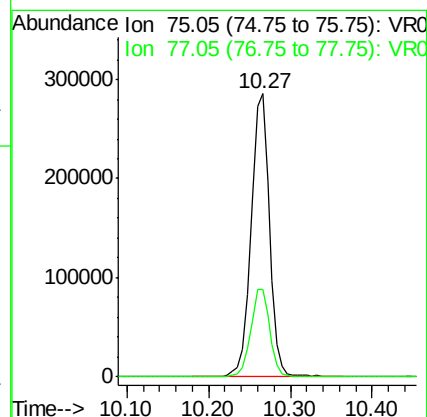
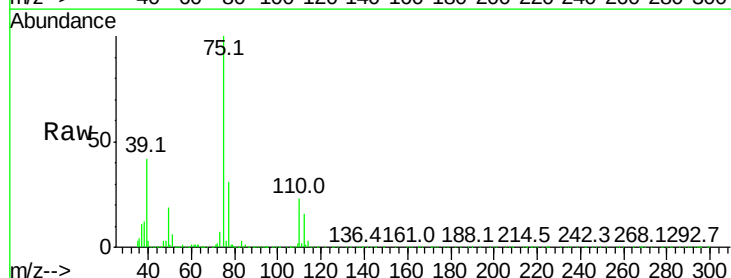
Acq: 5 Jul 2018 14:00

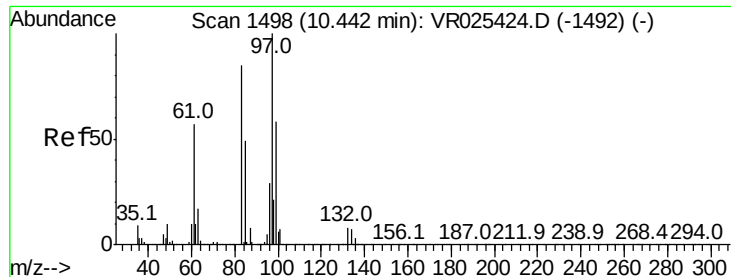
Tgt Ion: 75 Resp: 445269

Ion Ratio Lower Upper

75 100

77 30.8 20.6 38.4





#45

1,1,2-Trichloroethane

Concen: 9.557 ug/L

RT: 10.44 min Scan# 1498

Delta R.T. -0.00 min

Lab File: VR025438.D

Acq: 5 Jul 2018 14:00

Instrument :

MSVOA_R

ClientSampleId :

VSTD01084

Tgt Ion: 97 Resp: 236090

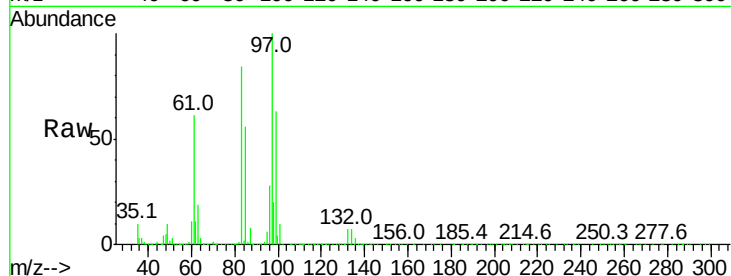
Ion Ratio Lower Upper

97 100

99 63.4 41.9 77.9

83 84.3 64.5 119.9

85 56.2 38.6 71.8

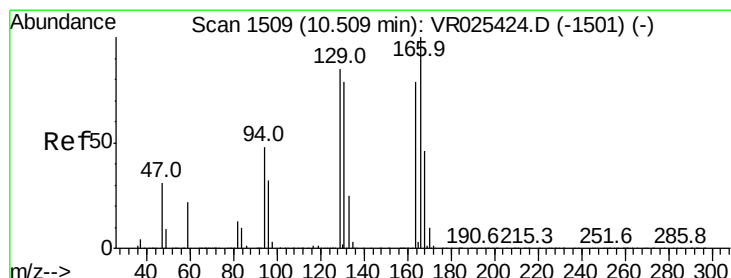
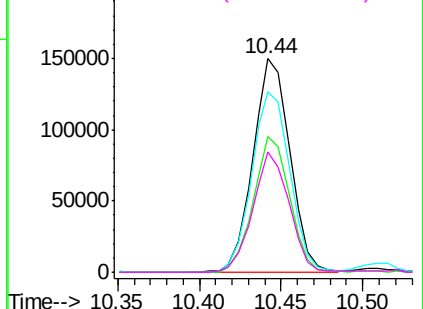
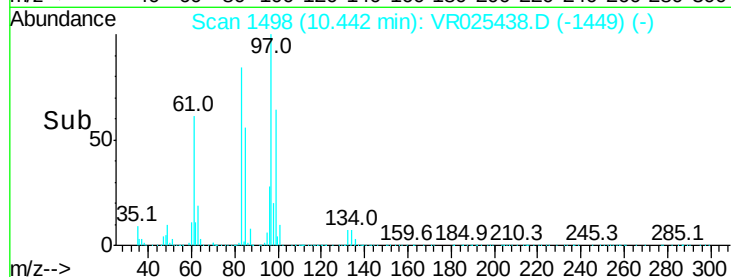


Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0



#47

Tetrachloroethene

Concen: 9.159 ug/L

RT: 10.51 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VR025438.D

Acq: 5 Jul 2018 14:00

Tgt Ion: 164 Resp: 354121

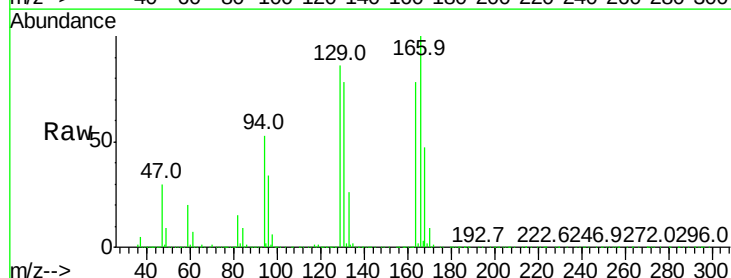
Ion Ratio Lower Upper

164 100

129 109.5 68.1 126.5

131 99.6 68.5 127.1

166 127.8 89.9 166.9

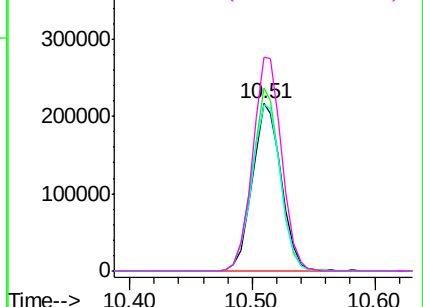
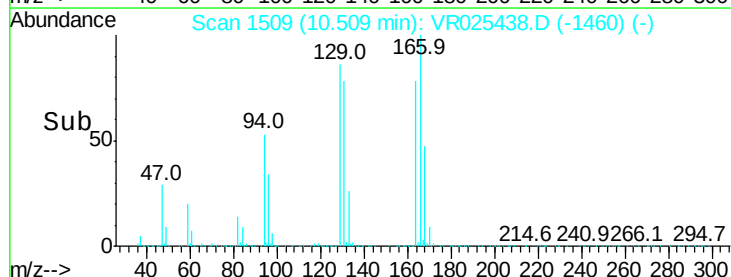


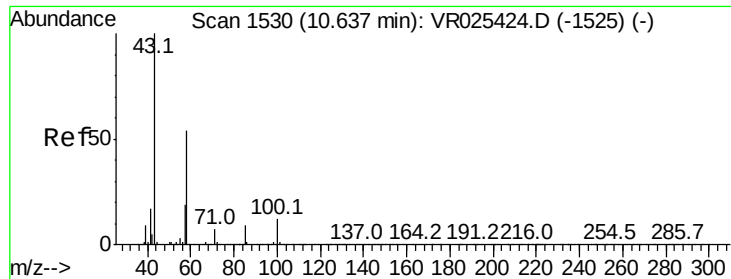
Abundance Ion 163.90 (163.60 to 164.60): V

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



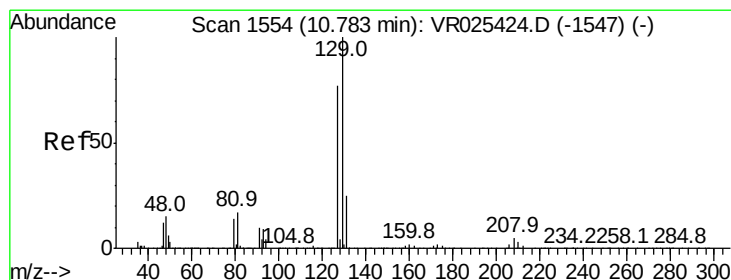
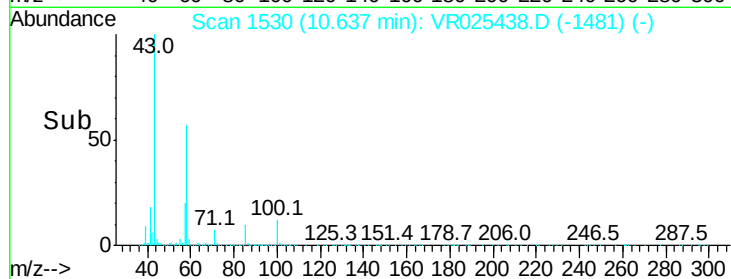
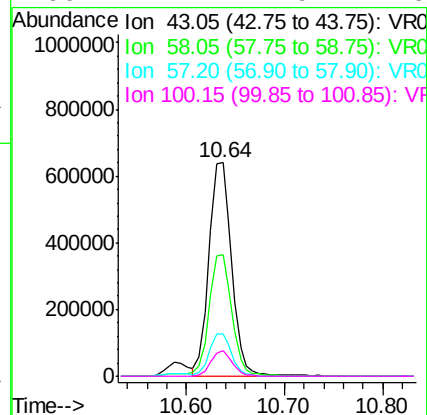
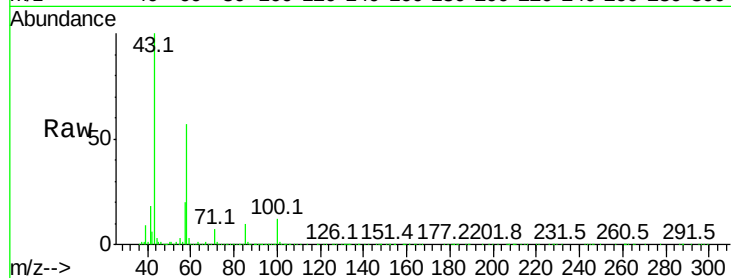


#48
2-Hexanone
Concen: 93.949 ug/L
RT: 10.64 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VR025438.D
Acq: 5 Jul 2018 14:00

Instrument :
MSVOA_R
ClientSampleId :
VSTD01084

Tgt Ion: 43 Resp: 1031325

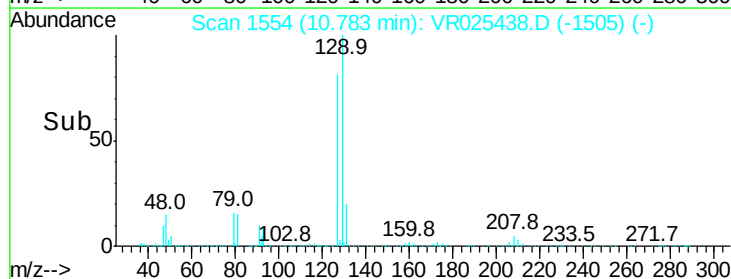
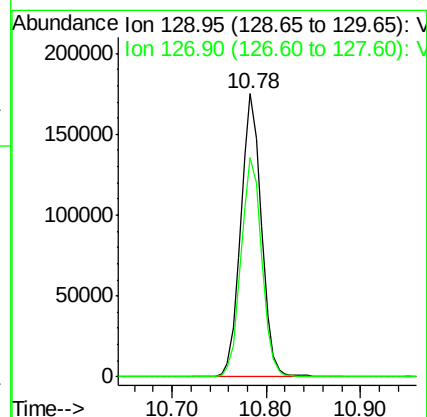
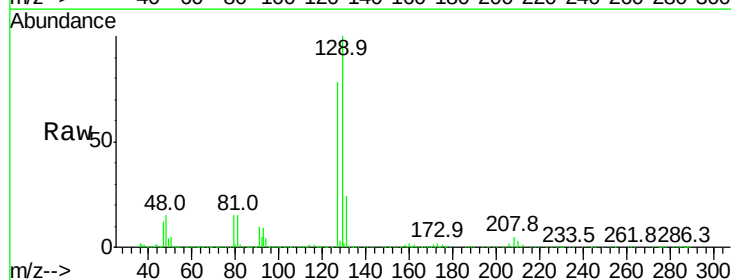
Ion	Ratio	Lower	Upper
43	100		
58	58.2	43.1	64.7
57	19.6	15.3	22.9
100	11.1	7.9	11.9

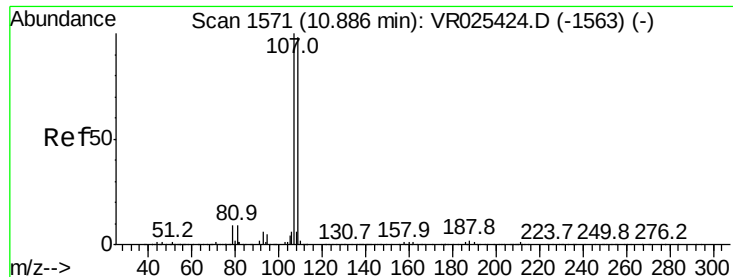


#49
Dibromochloromethane
Concen: 11.196 ug/L
RT: 10.78 min Scan# 1554
Delta R.T. -0.00 min
Lab File: VR025438.D
Acq: 5 Jul 2018 14:00

Tgt Ion: 129 Resp: 266307

Ion	Ratio	Lower	Upper
129	100		
127	77.6	55.9	103.7

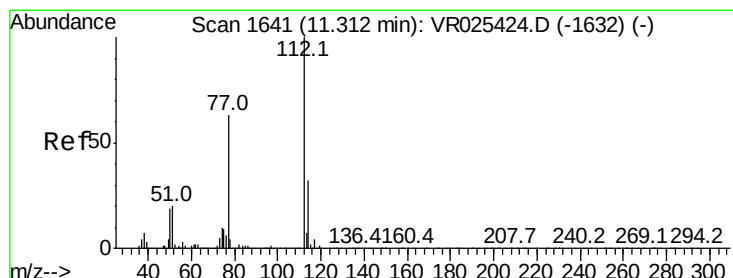
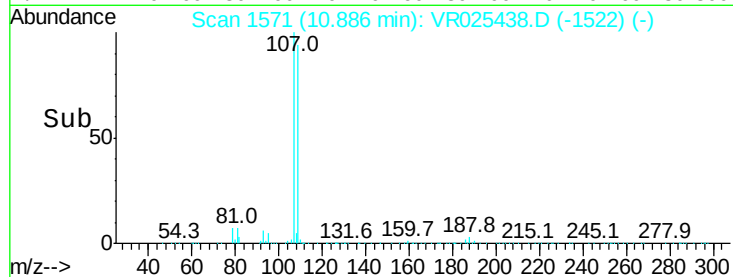
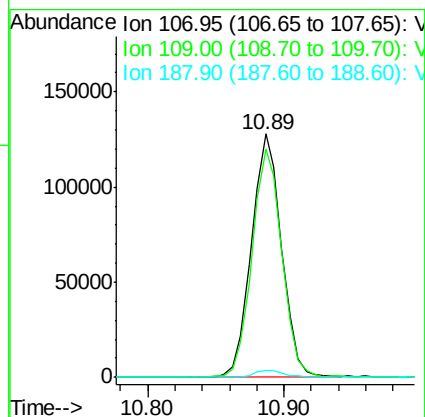
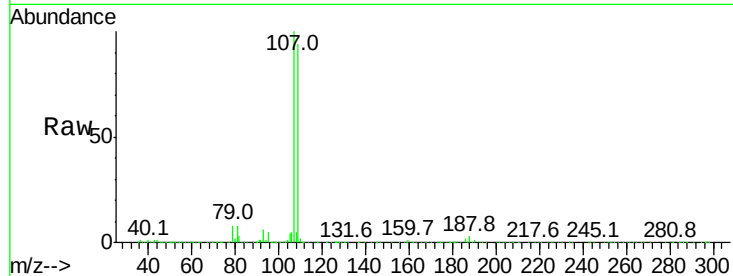




#50
1,2-Dibromoethane
Concen: 9.979 ug/L
RT: 10.89 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VR025438.D
Acq: 5 Jul 2018 14:00

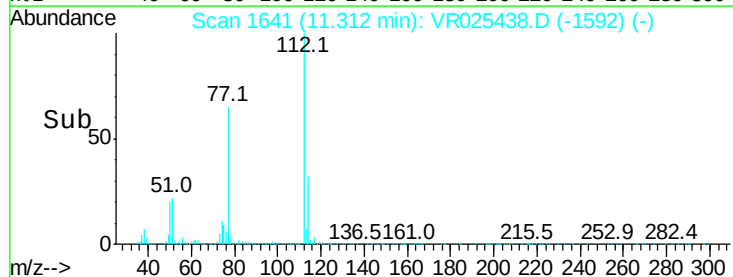
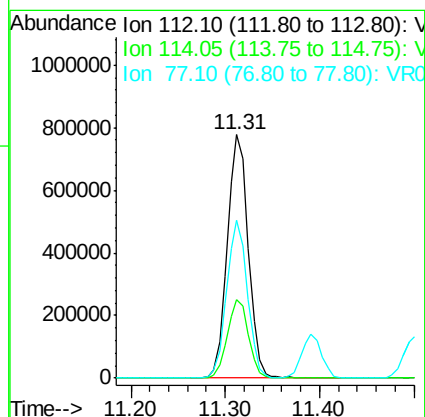
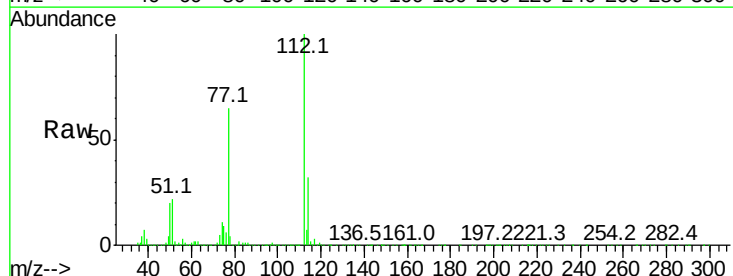
Instrument :
MSVOA_R
ClientSampleId :
VSTD01084

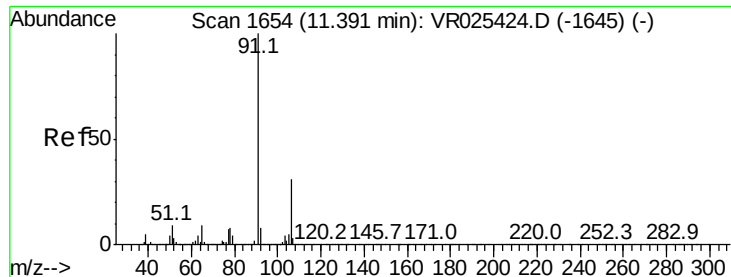
Tgt Ion:107 Resp: 197637
Ion Ratio Lower Upper
107 100
109 93.7 63.1 117.3
188 2.6 1.8 2.8



#51
Chlorobenzene
Concen: 8.710 ug/L
RT: 11.31 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VR025438.D
Acq: 5 Jul 2018 14:00

Tgt Ion:112 Resp: 1196608
Ion Ratio Lower Upper
112 100
114 32.3 21.6 40.0
77 65.1 51.9 77.9





#52

Ethylbenzene

Concen: 9.054 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VR025438.D

Acq: 5 Jul 2018 14:00

Instrument :

MSVOA_R

ClientSampleId :

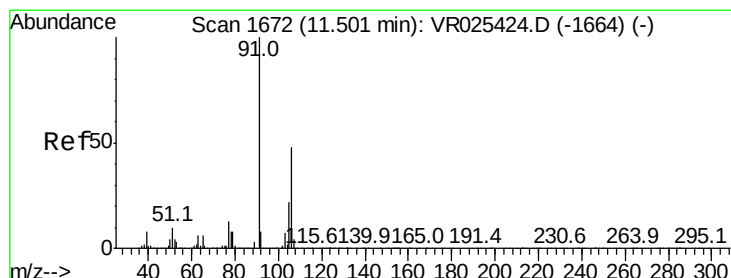
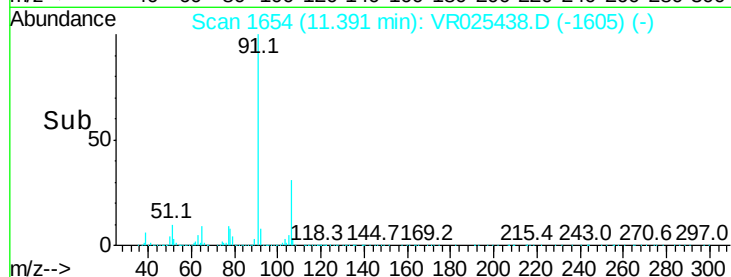
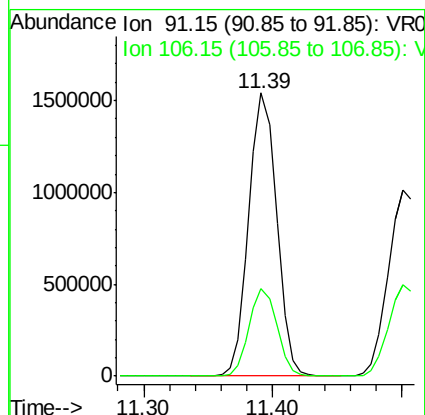
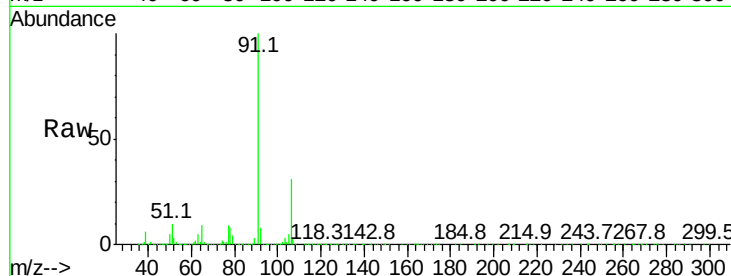
VSTD01084

Tgt Ion: 91 Resp: 2304330

Ion Ratio Lower Upper

91 100

106 31.1 22.5 41.7



#53

m,p-Xylene

Concen: 9.041 ug/L

RT: 11.50 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VR025438.D

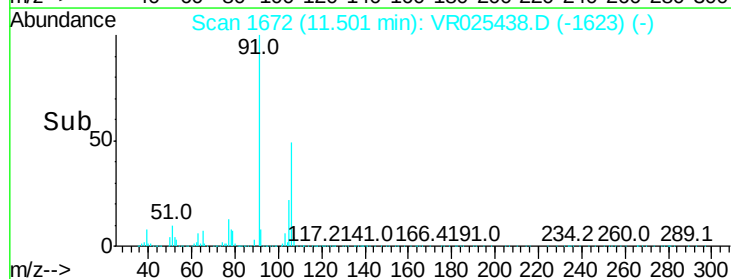
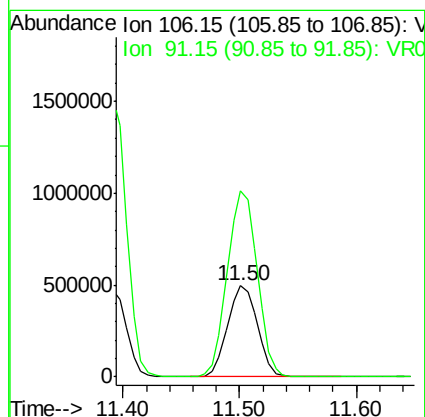
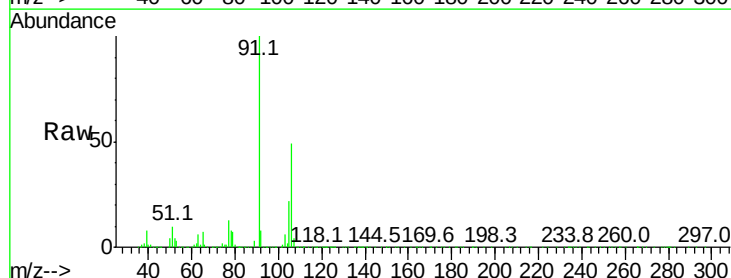
Acq: 5 Jul 2018 14:00

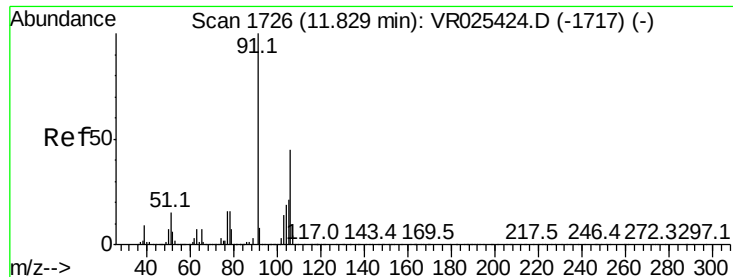
Tgt Ion: 106 Resp: 878495

Ion Ratio Lower Upper

106 100

91 204.0 152.6 283.4

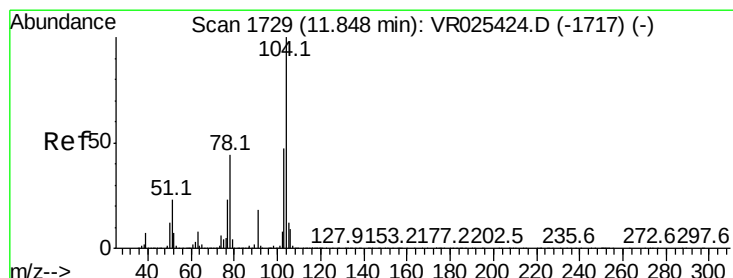
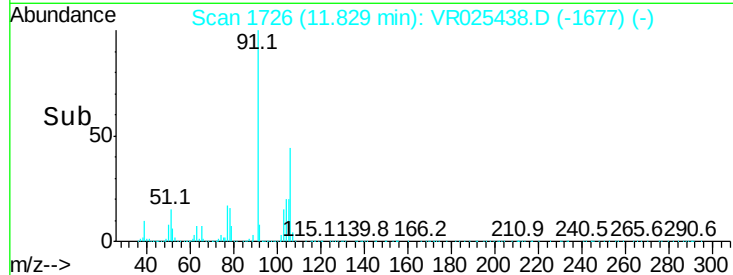
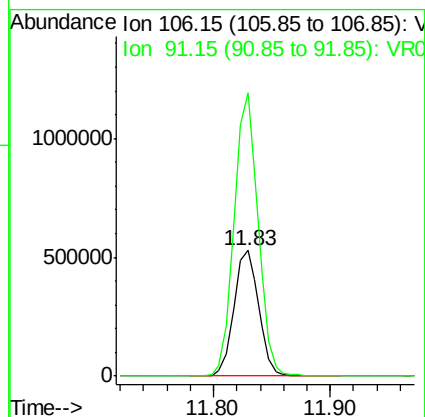
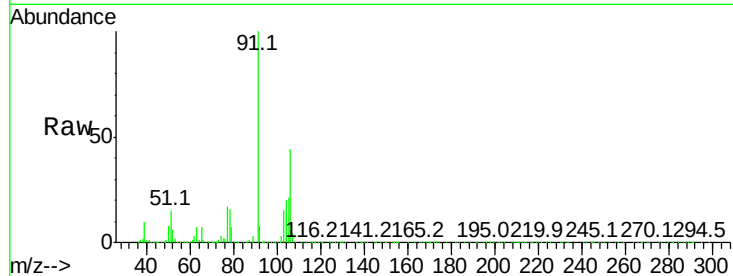




#54
o-Xylene
Concen: 8.993 ug/L
RT: 11.83 min Scan# 1726
Delta R.T. -0.00 min
Lab File: VR025438.D
Acq: 5 Jul 2018 14:00

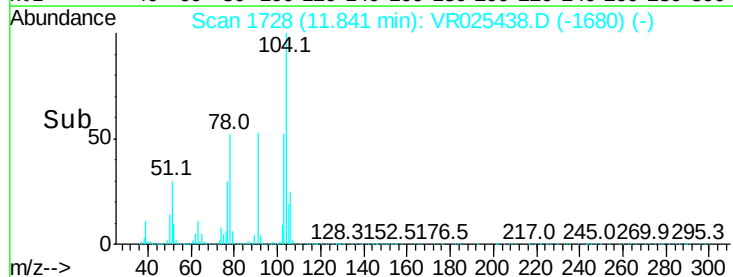
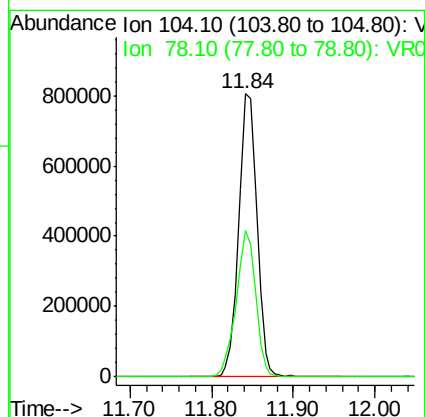
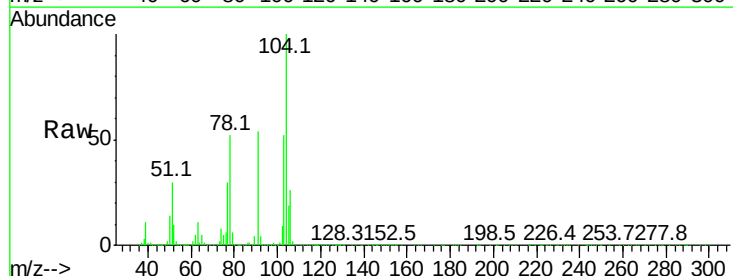
Instrument :
MSVOA_R
ClientSampleId :
VSTD01084

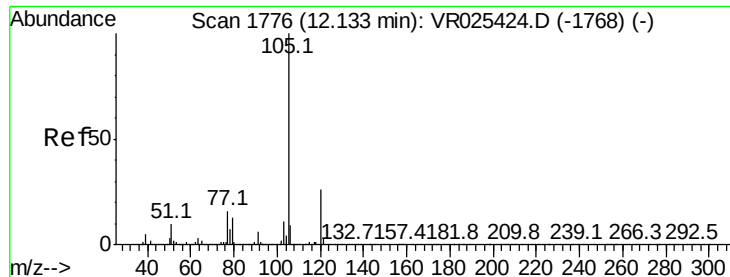
Tgt Ion:106 Resp: 780845
Ion Ratio Lower Upper
106 100
91 225.7 153.7 285.5



#55
Styrene
Concen: 9.236 ug/L
RT: 11.84 min Scan# 1728
Delta R.T. -0.01 min
Lab File: VR025438.D
Acq: 5 Jul 2018 14:00

Tgt Ion:104 Resp: 1232655
Ion Ratio Lower Upper
104 100
78 51.8 35.4 65.7





#56

Isopropylbenzene

Concen: 9.016 ug/L

RT: 12.13 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VR025438.D

Acq: 5 Jul 2018 14:00

Instrument :

MSVOA_R

ClientSampleId :

VSTD01084

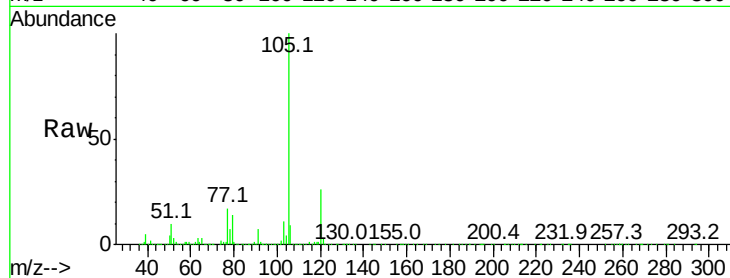
Tgt Ion:105 Resp: 2104951

Ion Ratio Lower Upper

105 100

120 26.5 20.2 30.4

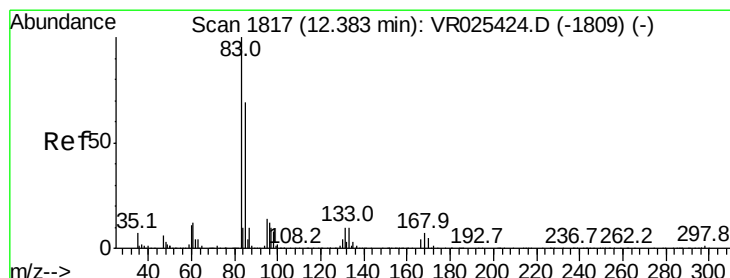
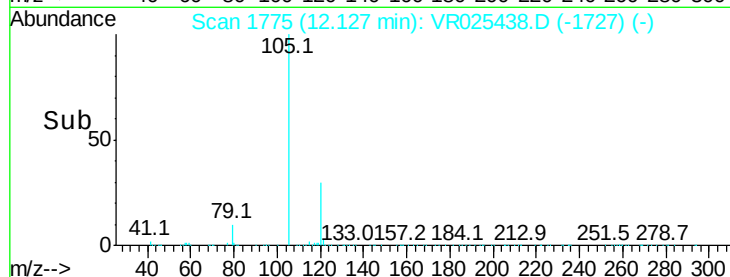
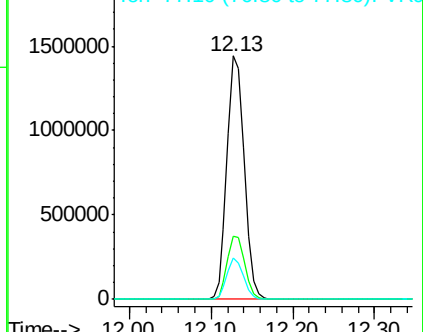
77 16.4 13.0 19.6



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 10.071 ug/L

RT: 12.38 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VR025438.D

Acq: 5 Jul 2018 14:00

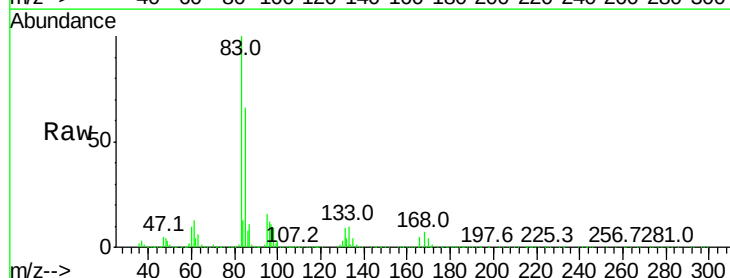
Tgt Ion: 83 Resp: 230407

Ion Ratio Lower Upper

83 100

85 66.0 41.8 77.6

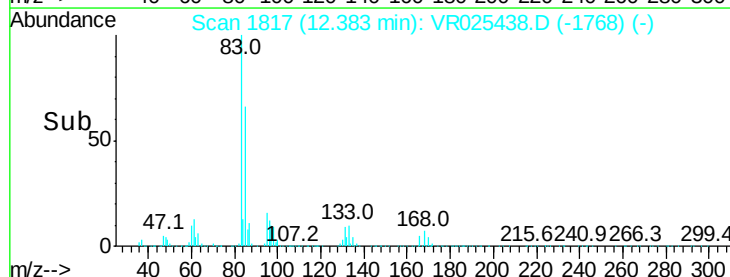
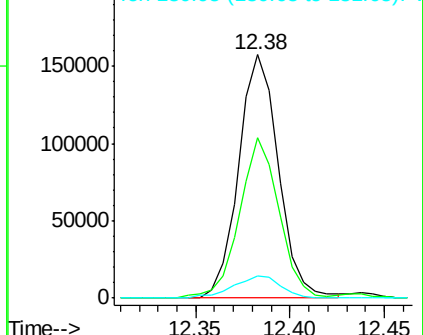
131 9.2 6.1 9.1#

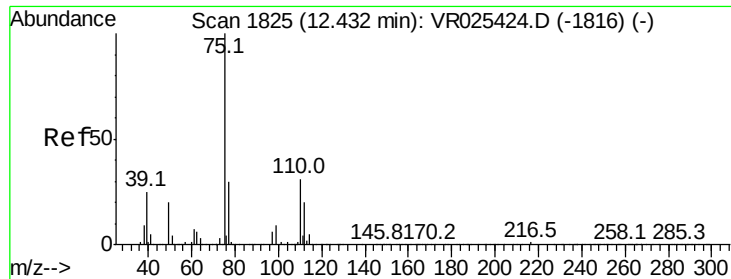


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 10.248 ug/L

RT: 12.43 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VR025438.D

Acq: 5 Jul 2018 14:00

Instrument :

MSVOA_R

ClientSampleId :

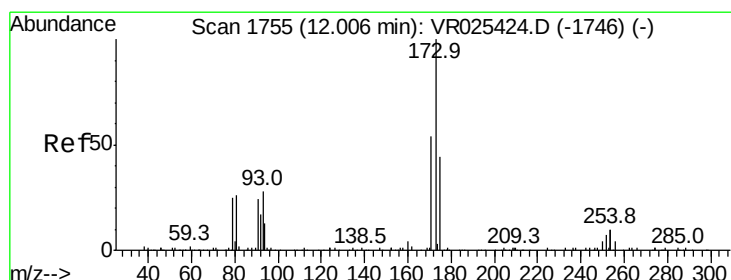
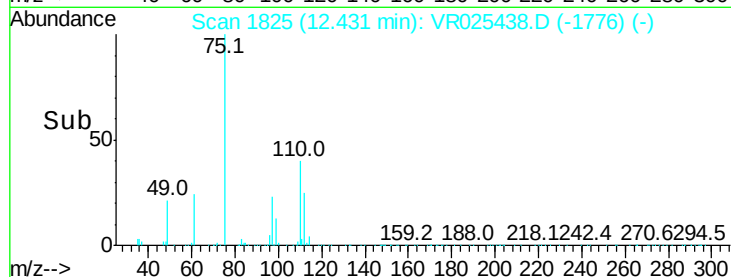
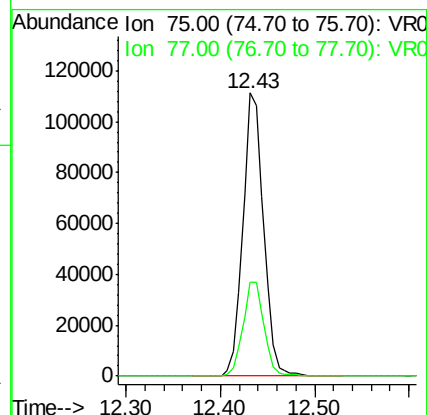
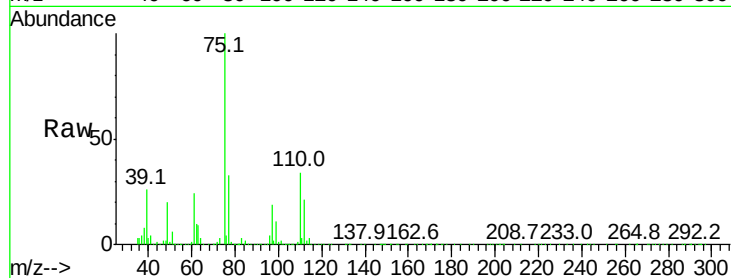
VSTD01084

Tgt Ion: 75 Resp: 169217

Ion Ratio Lower Upper

75 100

77 33.5 27.0 40.4



#61

Bromoform

Concen: 11.563 ug/L

RT: 12.01 min Scan# 1756

Delta R.T. 0.01 min

Lab File: VR025438.D

Acq: 5 Jul 2018 14:00

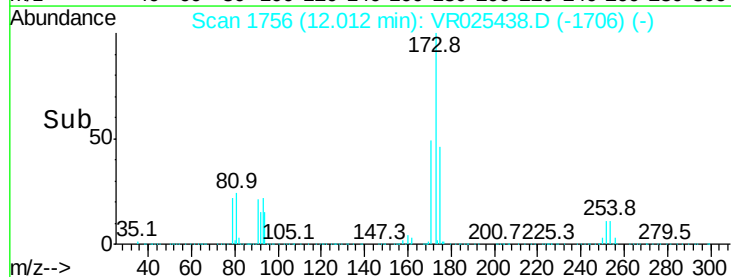
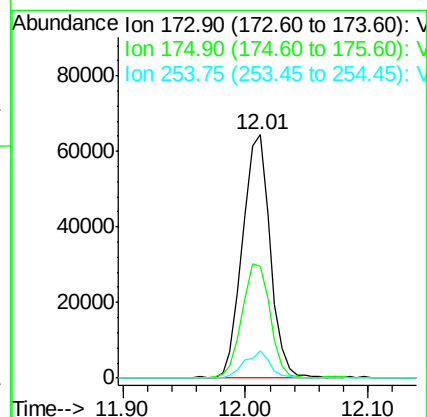
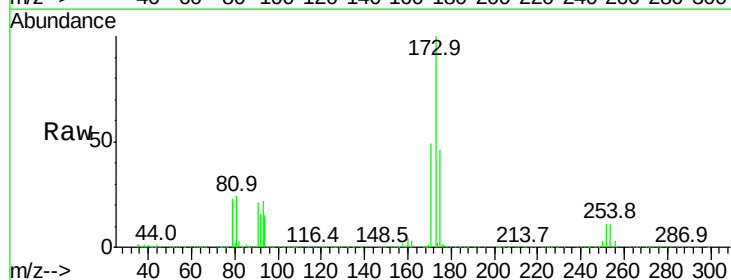
Tgt Ion: 173 Resp: 101215

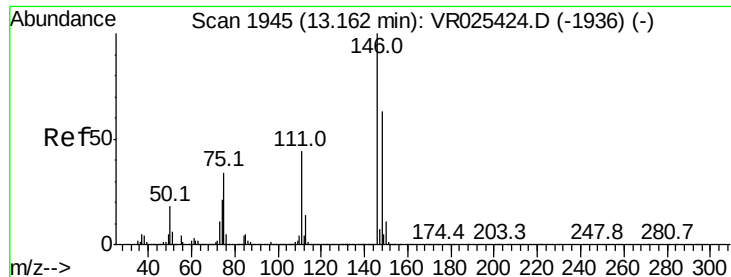
Ion Ratio Lower Upper

173 100

175 47.5 37.5 56.3

254 10.3 8.7 13.1





#62

1,3-Dichlorobenzene

Concen: 8.970 ug/L

RT: 13.16 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VR025438.D

Acq: 5 Jul 2018 14:00

Instrument :

MSVOA_R

ClientSampleId :

VSTD01084

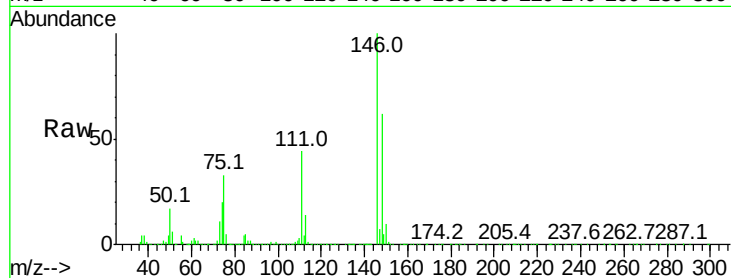
Tgt Ion:146 Resp: 772675

Ion Ratio Lower Upper

146 100

111 43.5 31.0 57.6

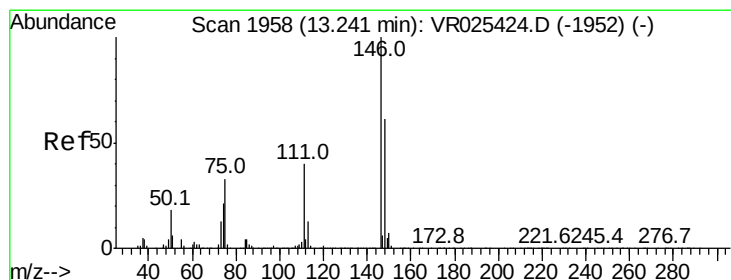
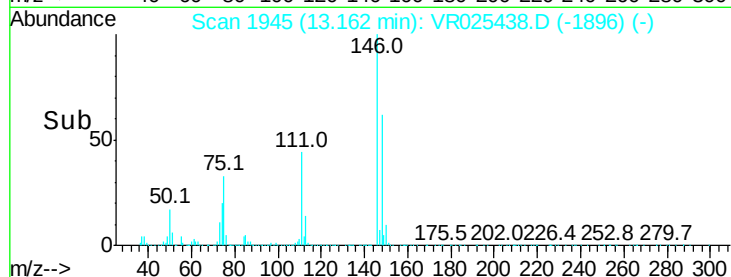
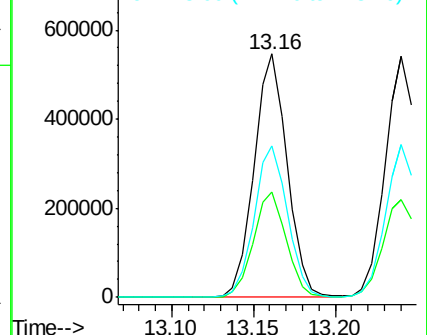
148 62.3 44.8 83.2



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: 8.988 ug/L

RT: 13.24 min Scan# 1958

Delta R.T. -0.00 min

Lab File: VR025438.D

Acq: 5 Jul 2018 14:00

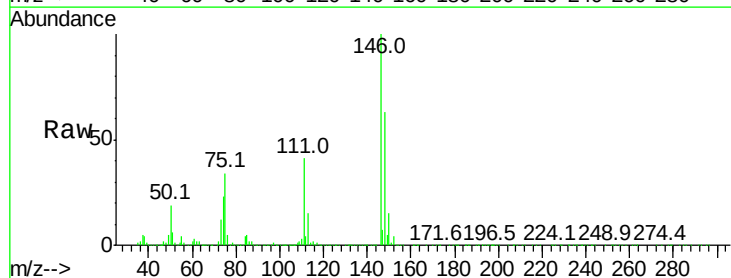
Tgt Ion:146 Resp: 774039

Ion Ratio Lower Upper

146 100

111 40.5 30.5 56.7

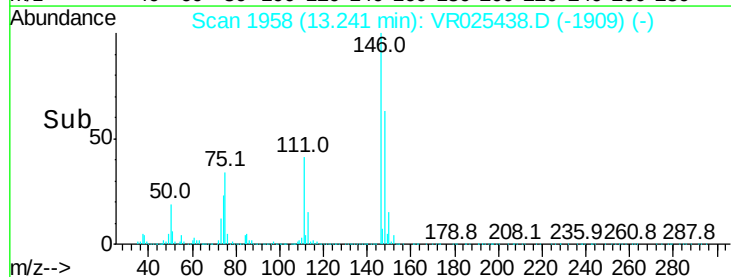
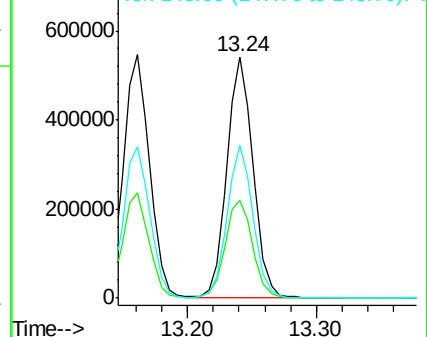
148 63.2 42.8 79.4

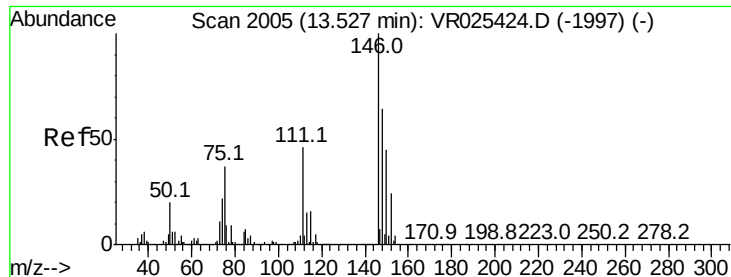


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

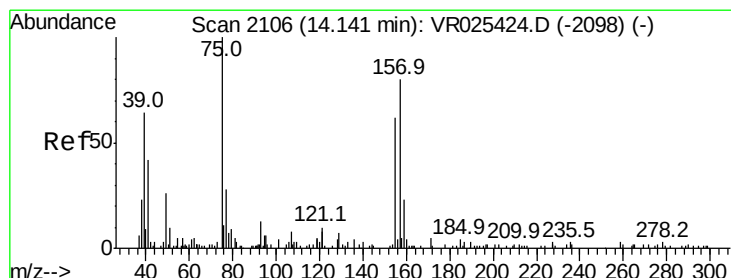
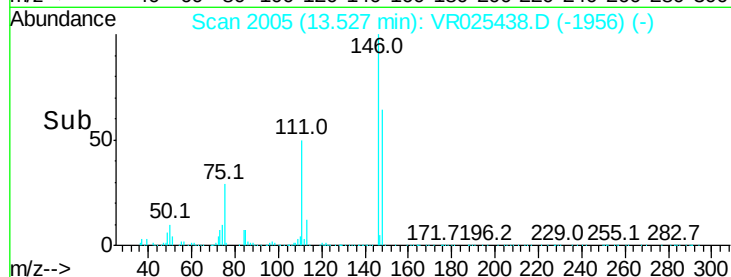
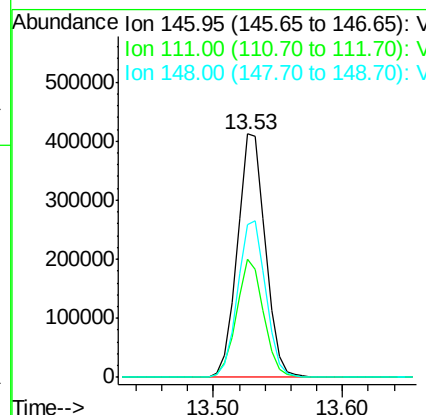
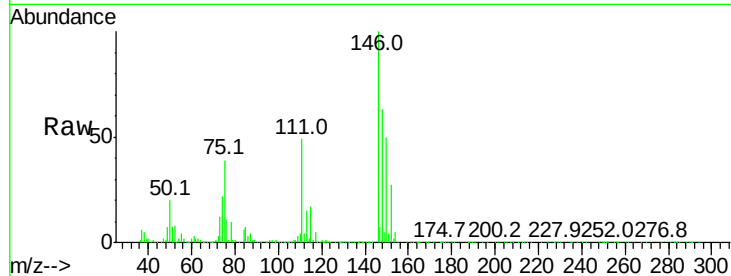




#65
 1,2-Dichlorobenzene
 Concen: 8.989 ug/L
 RT: 13.53 min Scan# 2005
 Delta R.T. -0.00 min
 Lab File: VR025438.D
 Acq: 5 Jul 2018 14:00

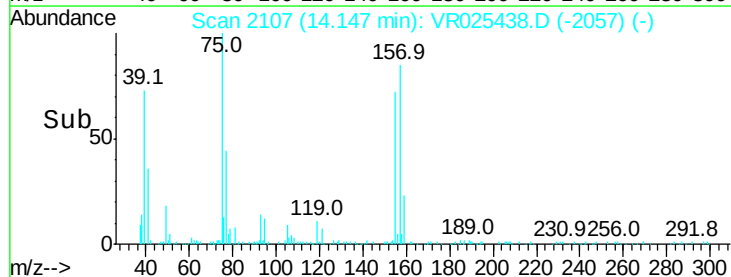
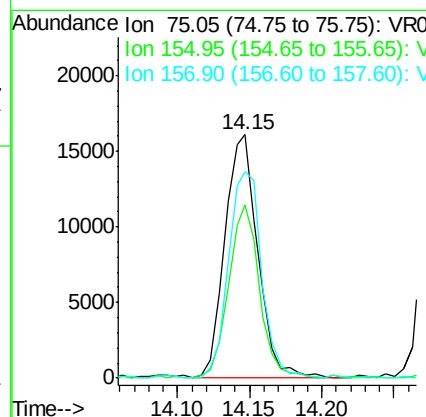
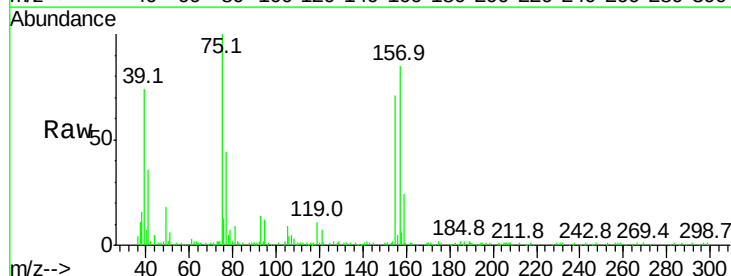
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01084

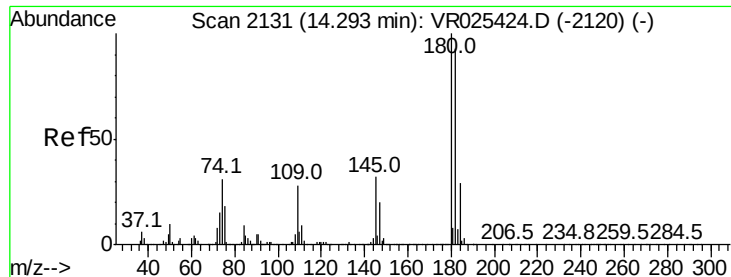
Tgt Ion: 146 Resp: 620484
 Ion Ratio Lower Upper
 146 100
 111 48.7 35.8 53.8
 148 62.6 50.4 75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 9.466 ug/L
 RT: 14.15 min Scan# 2107
 Delta R.T. 0.01 min
 Lab File: VR025438.D
 Acq: 5 Jul 2018 14:00

Tgt Ion: 75 Resp: 25818
 Ion Ratio Lower Upper
 75 100
 155 71.3 74.1 111.1#
 157 84.6 71.0 106.6

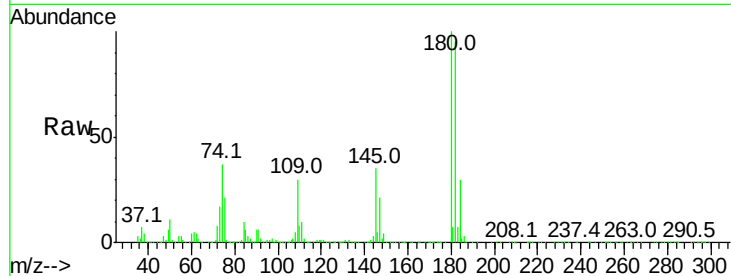




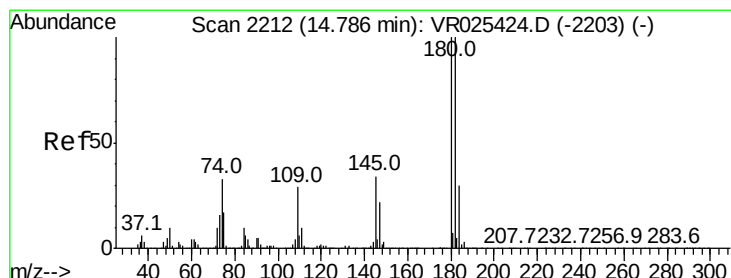
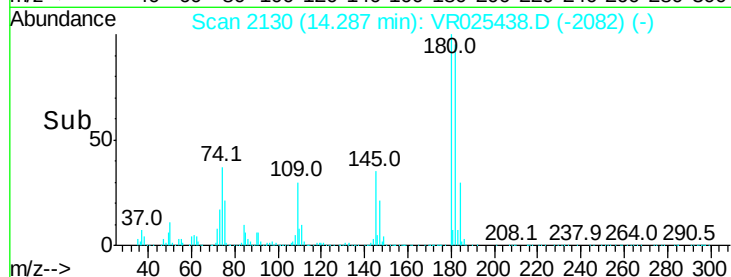
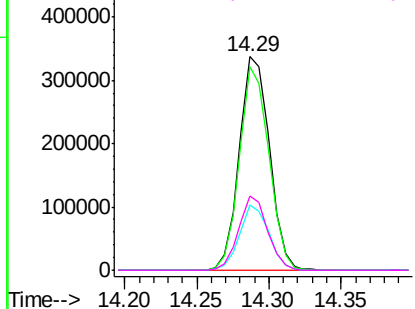
#67
 1,3,5-Trichlorobenzene
 Concen: 8.619 ug/L
 RT: 14.29 min Scan# 2130
 Delta R.T. -0.01 min
 Lab File: VR025438.D
 Acq: 5 Jul 2018 14:00

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01084

Tgt Ion:	180	Resp:	491627
Ion Ratio	Lower	Upper	
180	100		
182	92.8	76.0	114.0
184	29.6	24.5	36.7
145	33.5	25.2	37.8

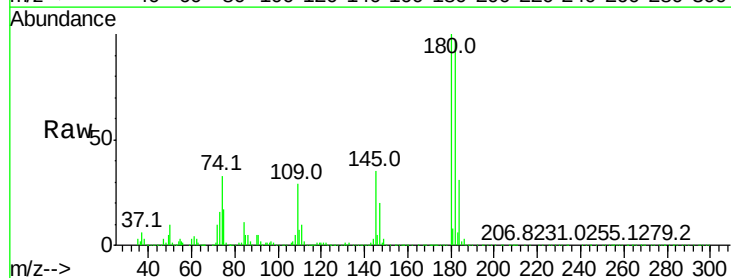


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

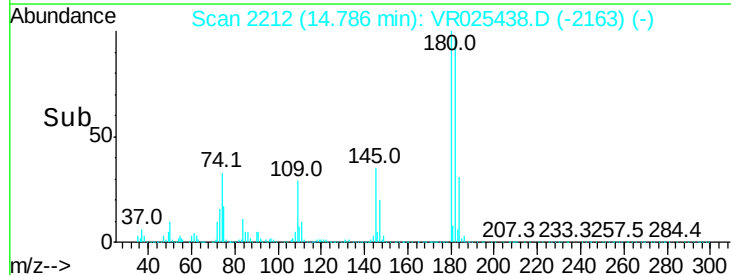
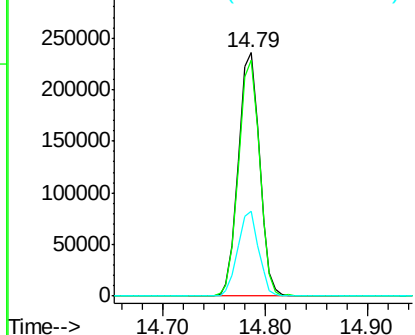


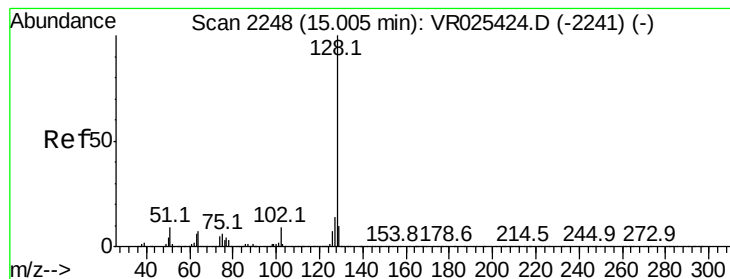
#68
 1,2,4-trichlorobenzene
 Concen: 8.485 ug/L
 RT: 14.79 min Scan# 2212
 Delta R.T. -0.00 min
 Lab File: VR025438.D
 Acq: 5 Jul 2018 14:00

Tgt Ion:	180	Resp:	336939
Ion Ratio	Lower	Upper	
180	100		
182	96.4	75.0	112.4
145	34.1	27.3	40.9



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 9.570 ug/L

RT: 15.00 min Scan# 2247

Delta R.T. -0.01 min

Lab File: VR025438.D

Acq: 5 Jul 2018 14:00

Instrument :

MSVOA_R

ClientSampleId :

VSTD01084

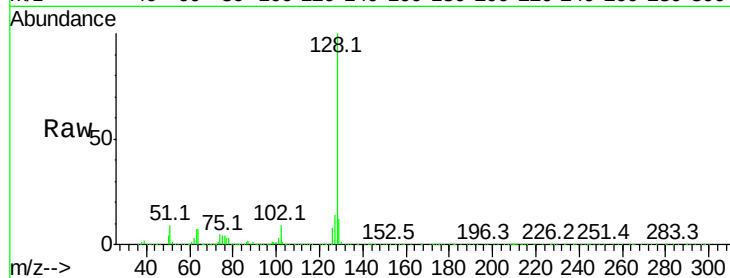
Tgt Ion:128 Resp: 494632

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

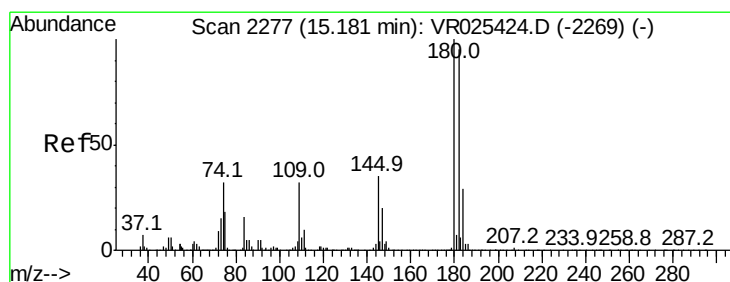
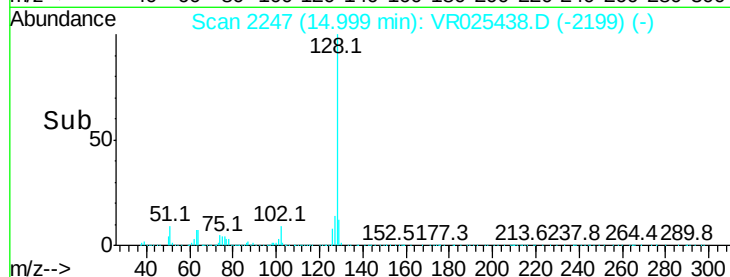
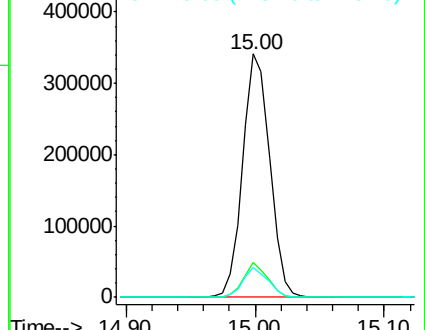
129 11.5 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 8.643 ug/L

RT: 15.18 min Scan# 2276

Delta R.T. -0.01 min

Lab File: VR025438.D

Acq: 5 Jul 2018 14:00

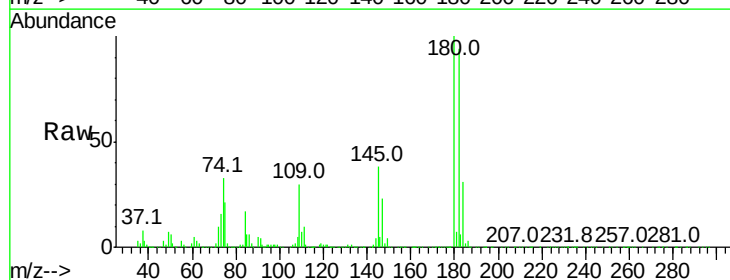
Tgt Ion:180 Resp: 265623

Ion Ratio Lower Upper

180 100

182 95.8 75.2 112.8

145 35.9 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

