

Data File : VR025435.D
Acq On : 5 Jul 2018 12:21
Operator : SY/MD
Sample : VSTD0.581
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.581

Quant Time: Jul 05 14:54:52 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	714019	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	587703	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	212443	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	8783	0.36	ug/L	0.00
7) Chloroethane-d5	2.62	69	7980	0.45	ug/L	-0.01
11) 1,1-Dichloroethene-d2	3.63	63	32332	0.52	ug/L	-0.02
20) 2-Butanone-d5	6.59	46	25354	3.89	ug/L	0.00
24) Chloroform-d	7.20	84	49950	0.55	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.90	65	19269	0.55	ug/L	0.00
32) Benzene-d6	7.85	84	95456	0.48	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	28301	0.50	ug/L	0.00
41) Toluene-d8	9.97	98	79468	0.45	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	6973	0.46	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	17408	3.33	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	12937	0.59	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.51	152	17297	0.48	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	19082	0.413 ug/L #	78
3) Chloromethane	2.00	50	12517	0.375 ug/L	84
5) Vinyl chloride	2.15	62	9855	0.333 ug/L	92
6) Bromomethane	2.53	94	5553	0.385 ug/L	86
8) Chloroethane	2.67	64	7053	0.457 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	11346	0.448 ug/L #	74
12) 1,1-Dichloroethene	3.65	96	11146	0.444 ug/L #	72
13) Acetone	3.69	43	17644	5.993 ug/L	93
15) Methyl Acetate	4.19	43	3477	0.470 ug/L #	83
16) Methylene chloride	4.41	84	7852	0.344 ug/L	86
17) Methyl tert-butyl Ether	4.90	73	29878	0.399 ug/L	98
18) trans-1,2-Dichloroethene	4.87	96	25179	0.488 ug/L	87
19) 1,1-Dichloroethane	5.69	63	45434	0.469 ug/L	96
21) 2-Butanone	6.70	43	29025	4.171 ug/L	100
22) cis-1,2-Dichloroethene	6.68	96	20306	0.377 ug/L #	97
23) Bromochloromethane	7.05	128	7782	0.494 ug/L	87
25) Chloroform	7.22	83	45149	0.510 ug/L	99
27) 1,2-Dichloroethane	8.00	62	20116	0.497 ug/L #	95
29) 1,1,1-Trichloroethane	7.42	97	29352	0.420 ug/L	95
30) Cyclohexane	7.52	56	21756	0.244 ug/L	96
31) Carbon tetrachloride	7.64	117	26519	0.433 ug/L	92
33) Benzene	7.91	78	97021	0.420 ug/L	100
34) Trichloroethene	8.71	95	26503	0.475 ug/L	95
35) Methylcyclohexane	8.96	83	25918	0.294 ug/L	92
37) 1,2-Dichloropropane	8.99	63	23376	0.456 ug/L #	86
38) Bromodichloromethane	9.28	83	22941	0.461 ug/L	100
39) cis-1,3-Dichloropropene	9.72	75	20723	0.343 ug/L	86
40) 4-Methyl-2-pentanone	9.87	43	53697	3.235 ug/L	99
42) Toluene	10.03	91	92741	0.375 ug/L	98
44) trans-1,3-Dichloropropene	10.27	75	15327	0.369 ug/L	90

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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.44	97	11875	0.499	ug/L	83
47) Tetrachloroethene	10.52	164	16879	0.453	ug/L	94
48) 2-Hexanone	10.64	43	38695	3.657	ug/L	94
49) Dibromochloromethane	10.78	129	10576	0.461	ug/L	88
50) 1,2-Dibromoethane	10.89	107	8693	0.455	ug/L #	90
51) Chlorobenzene	11.31	112	63996	0.483	ug/L	95
52) Ethylbenzene	11.39	91	97056	0.396	ug/L	98
53) m,p-Xylene	11.50	106	34317	0.366	ug/L	89
54) o-Xylene	11.83	106	26899	0.321	ug/L	98
55) Styrene	11.85	104	46459	0.361	ug/L	87
56) Isopropylbenzene	12.13	105	69572	0.309	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.39	83	11463	0.520	ug/L #	97
59) 1,2,3-Trichloropropane	12.43	75	8143	0.512	ug/L	91
61) Bromoform	12.01	173	4268	0.563	ug/L #	96
62) 1,3-Dichlorobenzene	13.16	146	28405	0.381	ug/L	90
63) 1,4-Dichlorobenzene	13.24	146	37645	0.505	ug/L	95
65) 1,2-Dichlorobenzene	13.53	146	26254	0.439	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.15	75	1463	0.620	ug/L #	69
67) 1,3,5-Trichlorobenzene	14.29	180	18369	0.372	ug/L	93
68) 1,2,4-trichlorobenzene	14.79	180	11047	0.321	ug/L	94
69) Naphthalene	15.00	128	11684	0.261	ug/L #	93
70) 1,2,3-Trichlorobenzene	15.18	180	8613	0.324	ug/L #	93

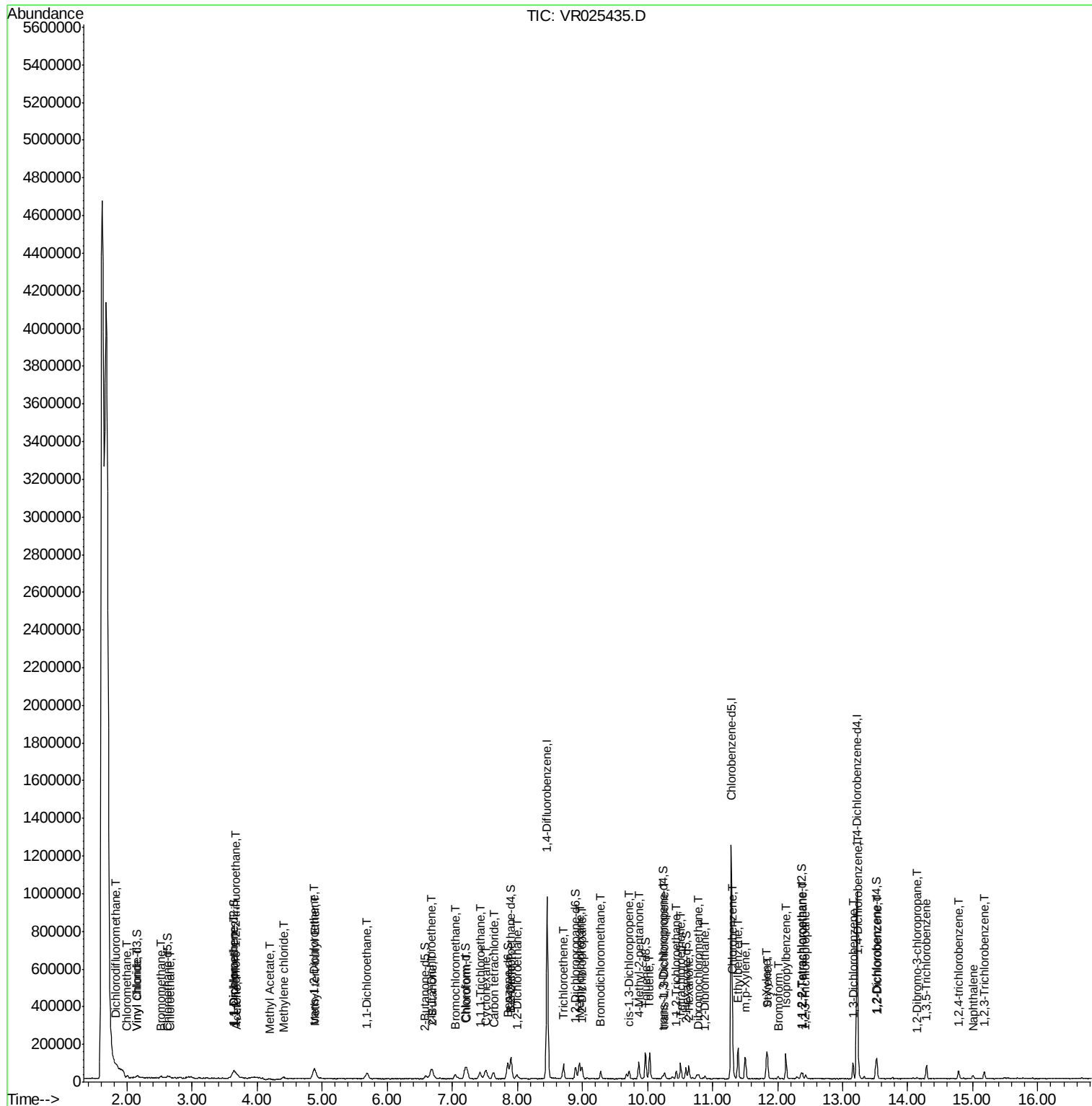
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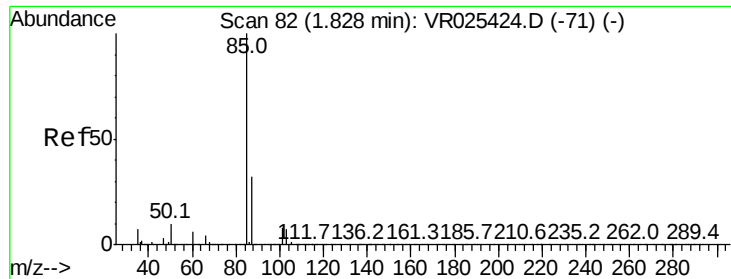
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#2

Dichlorodifluoromethane

Concen: 0.413 ug/L

RT: 1.83 min Scan# 82

Delta R.T. -0.00 min

Lab File: VR025435.D

Acq: 5 Jul 2018 12:21

Instrument :

MSVOA_R

ClientSampleId :

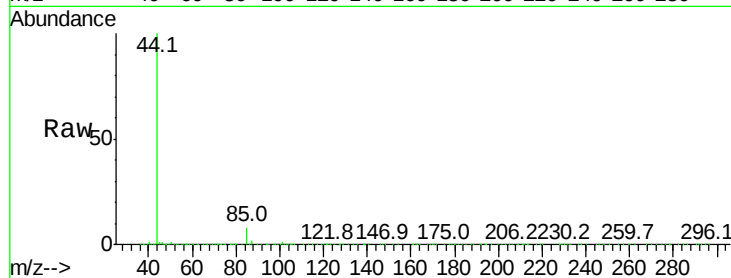
VSTD0.581

Tgt Ion: 85 Resp: 19082

Ion Ratio Lower Upper

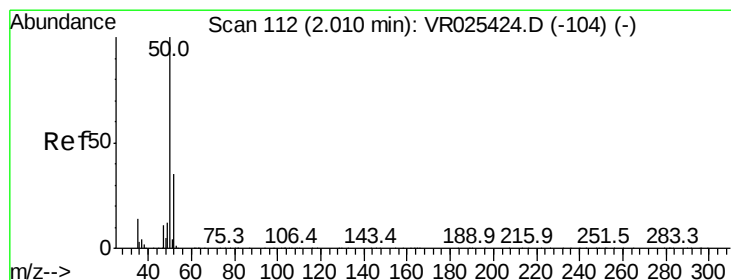
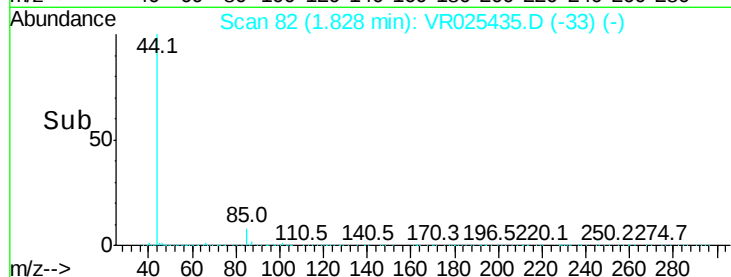
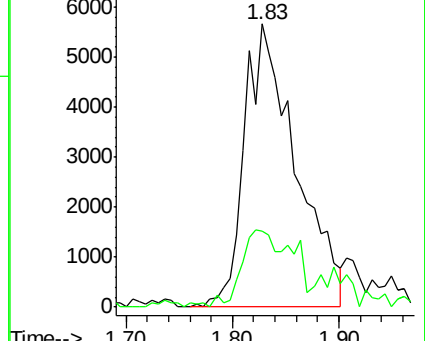
85 100

87 19.7 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: 0.375 ug/L

RT: 2.00 min Scan# 111

Delta R.T. -0.01 min

Lab File: VR025435.D

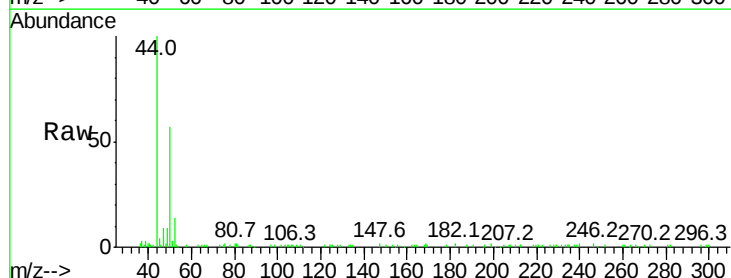
Acq: 5 Jul 2018 12:21

Tgt Ion: 50 Resp: 12517

Ion Ratio Lower Upper

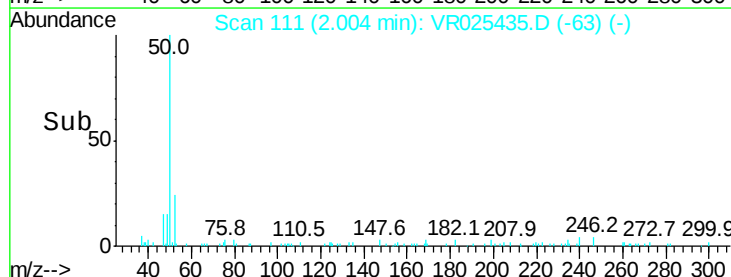
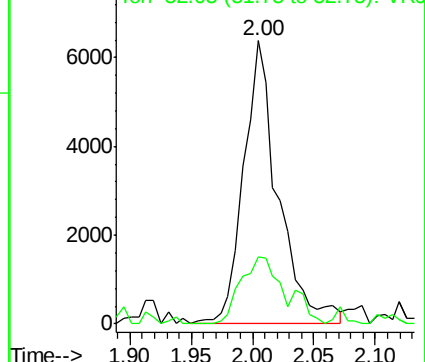
50 100

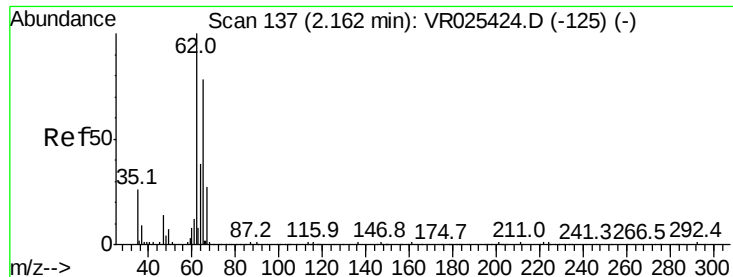
52 23.8 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 0.333 ug/L

RT: 2.15 min Scan# 135

Delta R.T. -0.01 min

Lab File: VR025435.D

Acq: 5 Jul 2018 12:21

Instrument :

MSVOA_R

ClientSampleId :

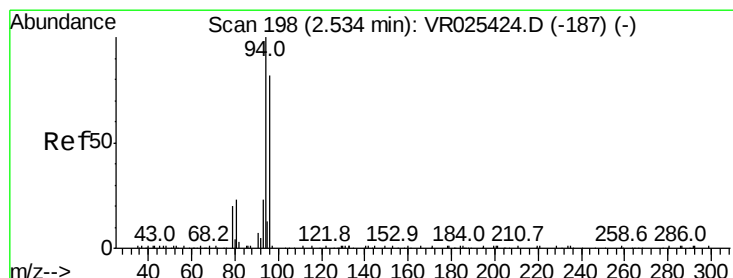
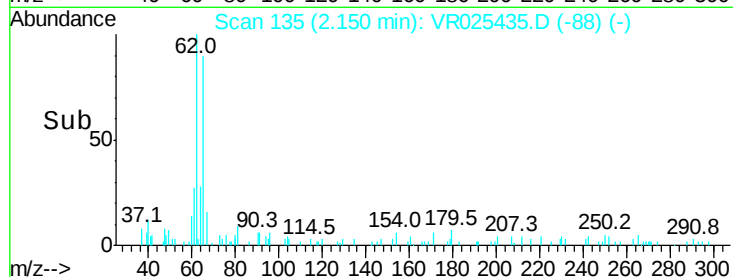
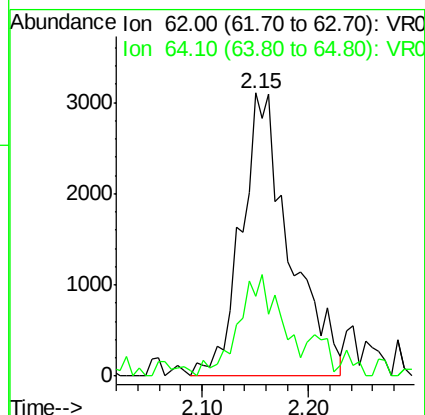
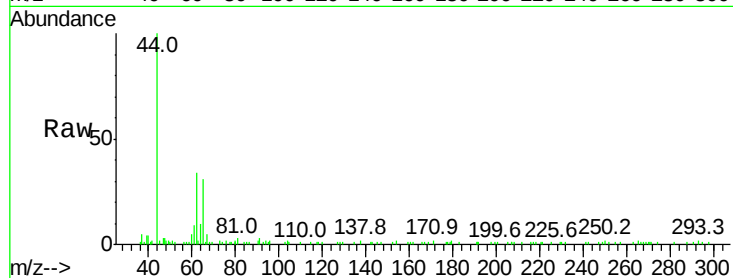
VSTD0.581

Tgt Ion: 62 Resp: 9855

Ion Ratio Lower Upper

62 100

64 28.2 22.8 42.4



#6

Bromomethane

Concen: 0.385 ug/L

RT: 2.53 min Scan# 197

Delta R.T. -0.01 min

Lab File: VR025435.D

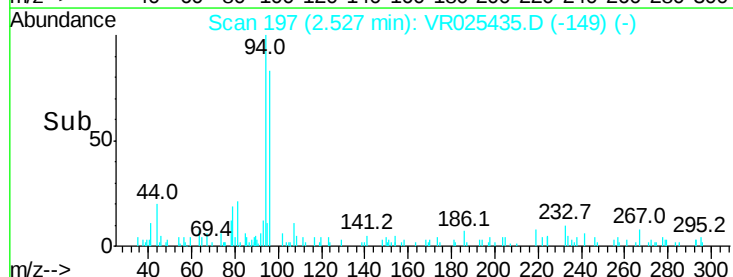
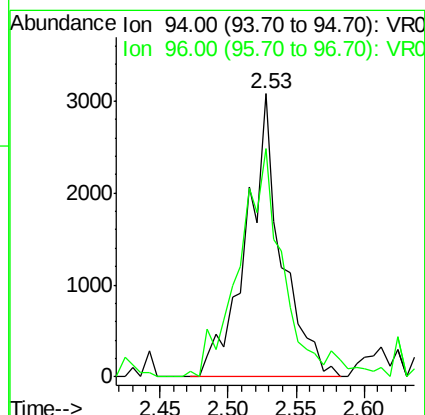
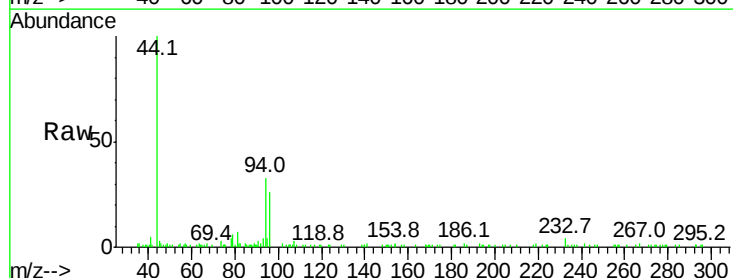
Acq: 5 Jul 2018 12:21

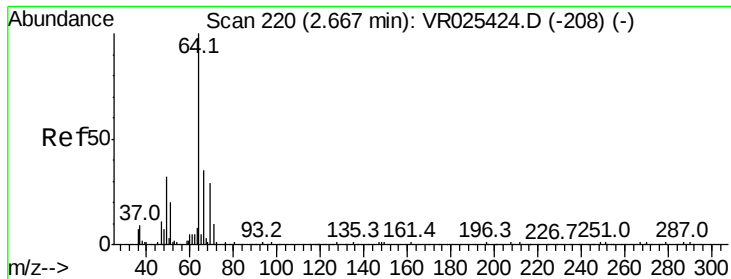
Tgt Ion: 94 Resp: 5553

Ion Ratio Lower Upper

94 100

96 80.5 65.9 122.3

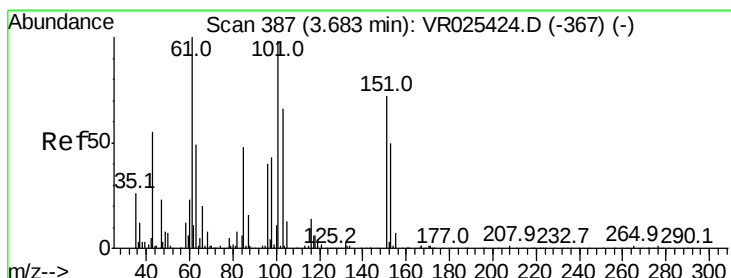
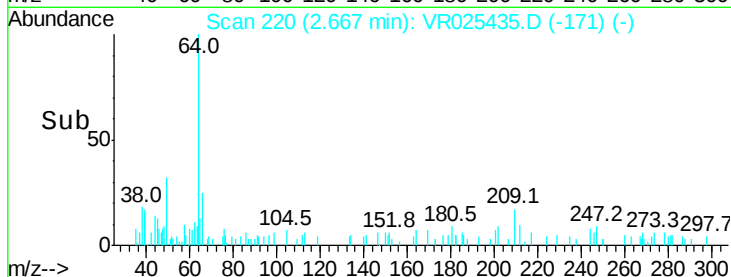
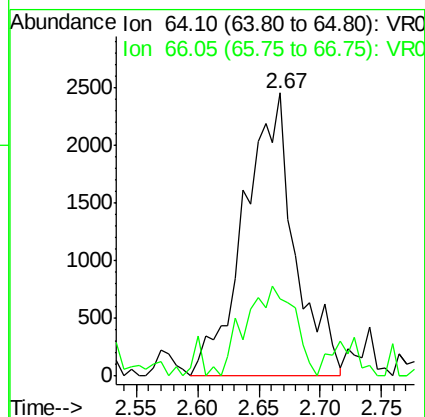
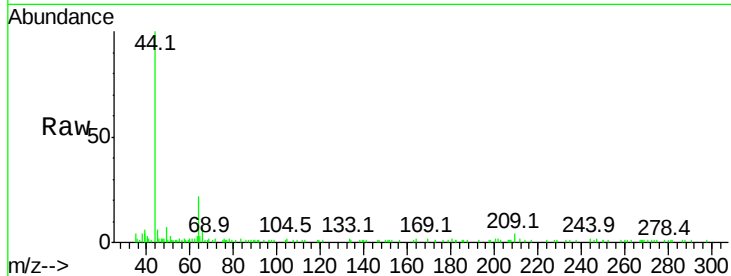




#8
Chloroethane
Concen: 0.457 ug/L
RT: 2.67 min Scan# 220
Delta R.T. -0.00 min
Lab File: VR025435.D
Acq: 5 Jul 2018 12:21

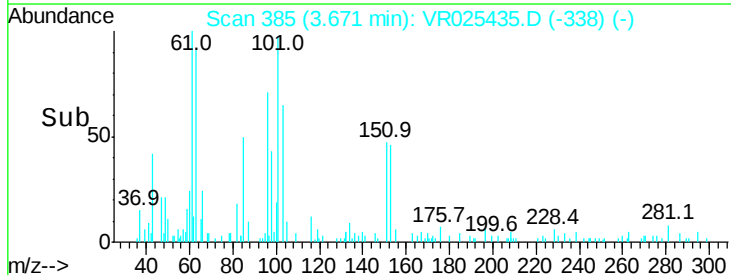
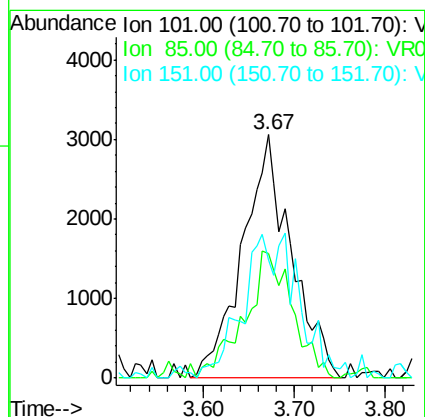
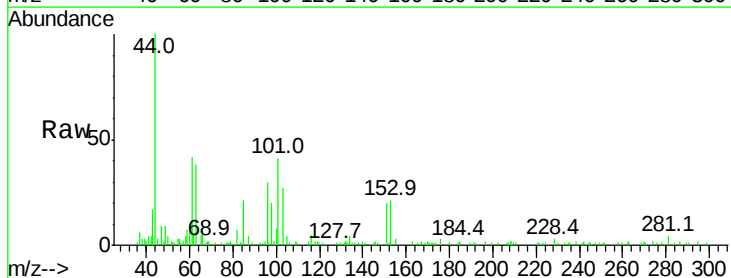
Instrument :
MSVOA_R
ClientSampled :
VSTD0.581

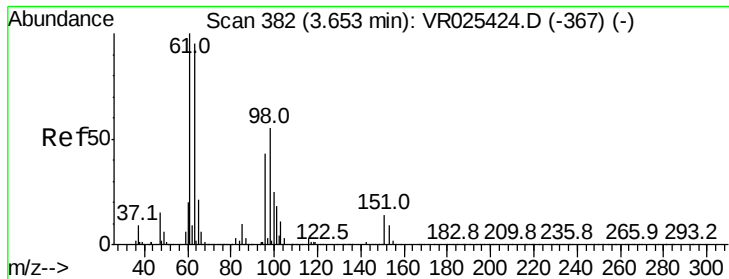
Tgt Ion: 64 Resp: 7053
Ion Ratio Lower Upper
64 100
66 27.4 21.3 39.5



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.448 ug/L
RT: 3.67 min Scan# 385
Delta R.T. -0.01 min
Lab File: VR025435.D
Acq: 5 Jul 2018 12:21

Tgt Ion: 101 Resp: 11346
Ion Ratio Lower Upper
101 100
85 51.3 39.1 58.7
151 37.8 57.5 86.3#





#12

1,1-Dichloroethene

Concen: 0.444 ug/L

RT: 3.65 min Scan# 381

Delta R.T. -0.01 min

Lab File: VR025435.D

Acq: 5 Jul 2018 12:21

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.581

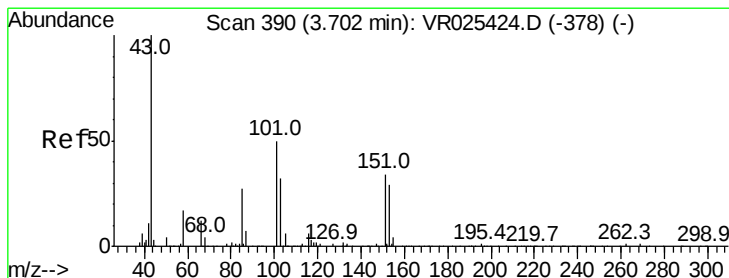
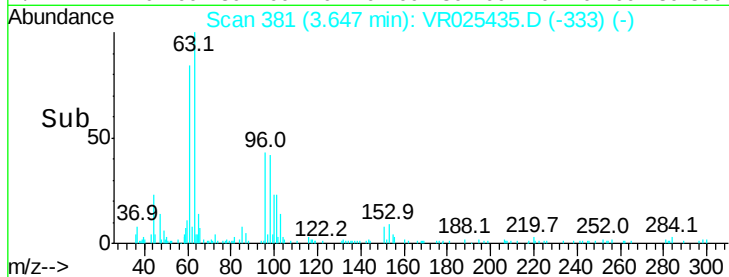
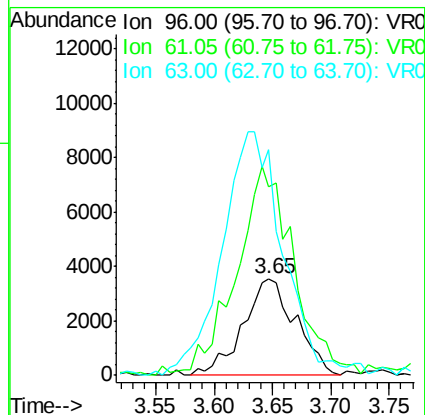
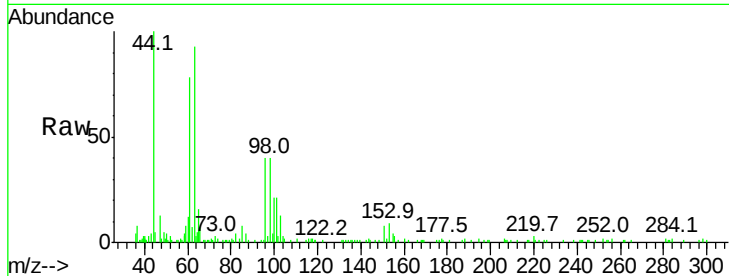
Tgt Ion: 96 Resp: 11146

Ion Ratio Lower Upper

96 100

61 195.4 155.0 287.9

63 233.1 122.3 227.1#



#13

Acetone

Concen: 5.993 ug/L

RT: 3.69 min Scan# 388

Delta R.T. -0.01 min

Lab File: VR025435.D

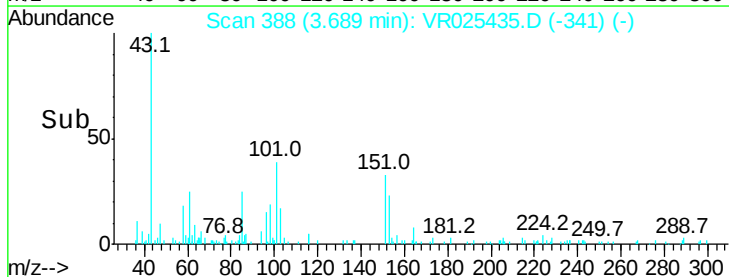
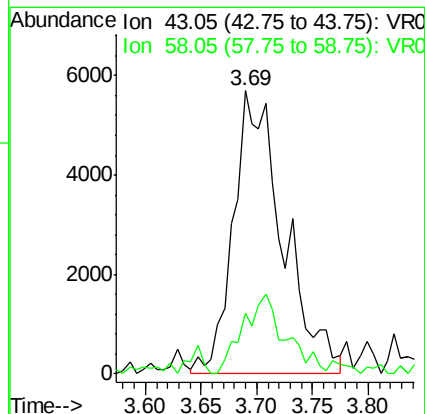
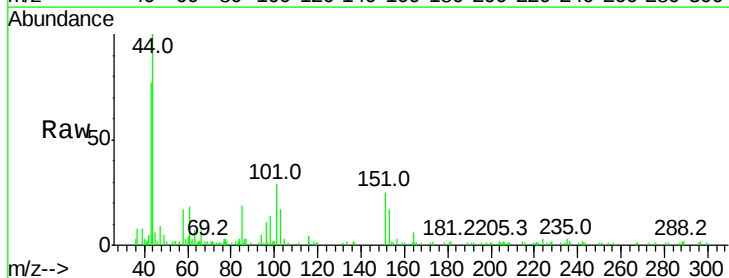
Acq: 5 Jul 2018 12:21

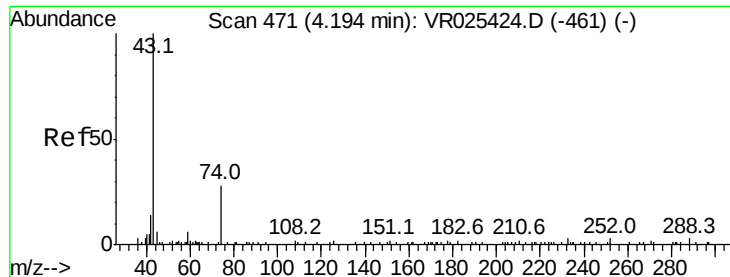
Tgt Ion: 43 Resp: 17644

Ion Ratio Lower Upper

43 100

58 24.0 0.0 41.6





#15

Methyl Acetate

Concen: 0.470 ug/L

RT: 4.19 min Scan# 471

Delta R.T. 0.00 min

Lab File: VR025435.D

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MSVOA_R

ClientSampleId :

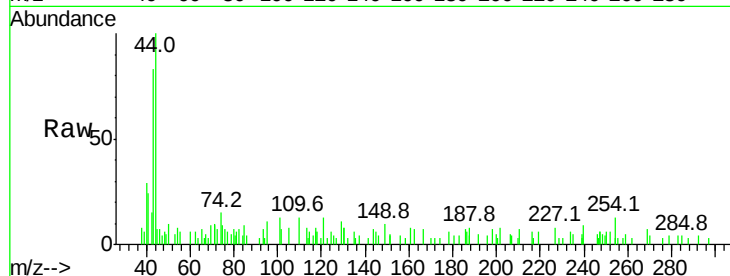
VSTD0.581

Tgt Ion: 43 Resp: 3477

Ion Ratio Lower Upper

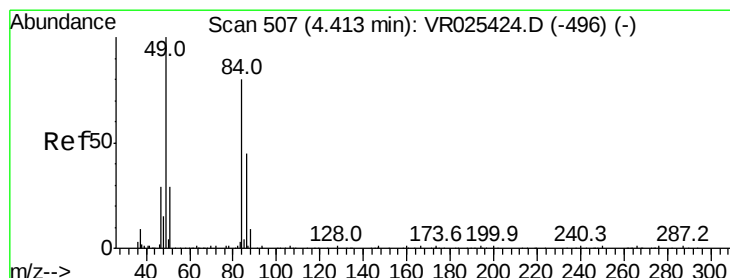
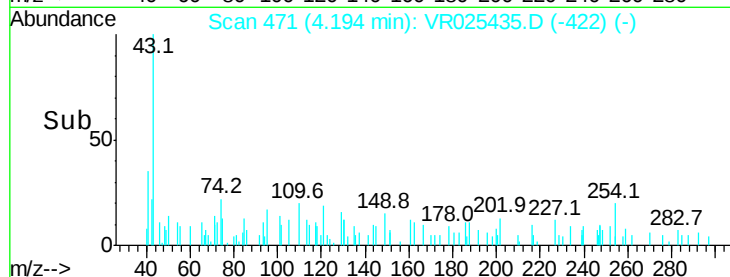
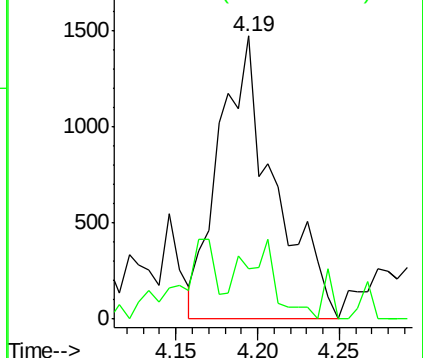
43 100

74 13.1 16.7 25.1#



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0



#16

Methylene chloride

Concen: 0.344 ug/L

RT: 4.41 min Scan# 506

Delta R.T. -0.01 min

Lab File: VR025435.D

Acq: 5 Jul 2018 12:21

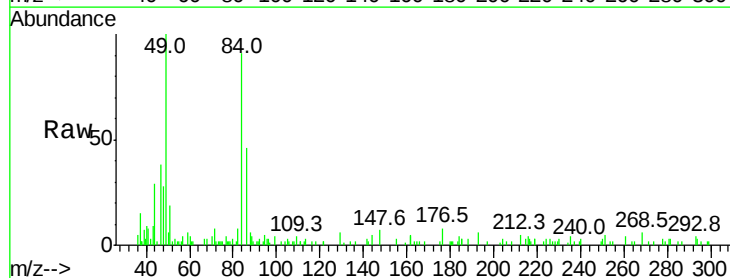
Tgt Ion: 84 Resp: 7852

Ion Ratio Lower Upper

84 100

86 50.0 43.7 81.1

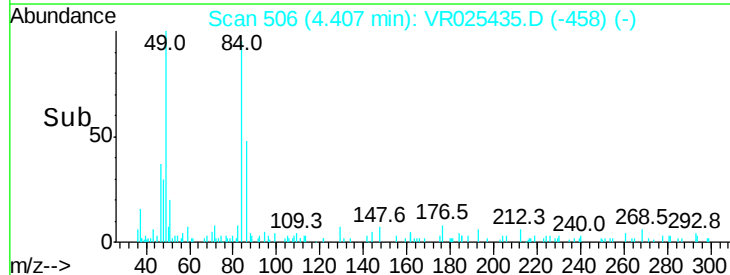
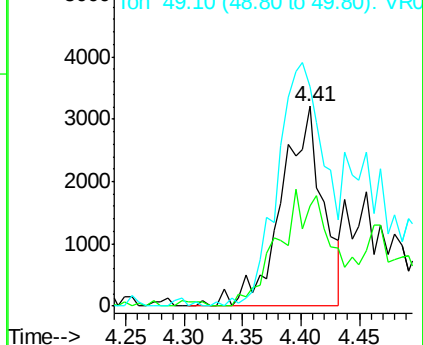
49 109.9 87.2 162.0

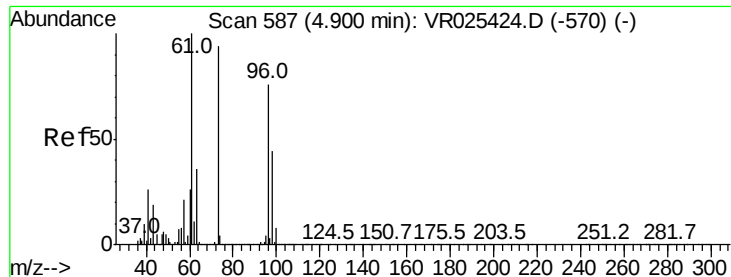


Abundance Ion 84.05 (83.75 to 84.75): VR0

Ion 86.00 (85.70 to 86.70): VR0

Ion 49.10 (48.80 to 49.80): VR0





#17

Methyl tert-butyl Ether

Concen: 0.399 ug/L

RT: 4.90 min Scan# 587

Delta R.T. 0.00 min

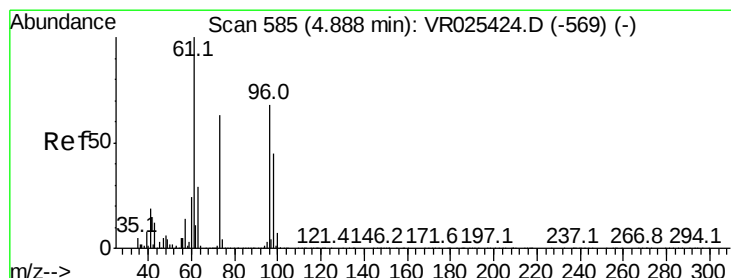
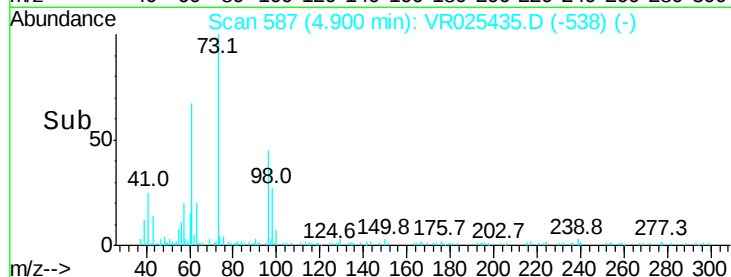
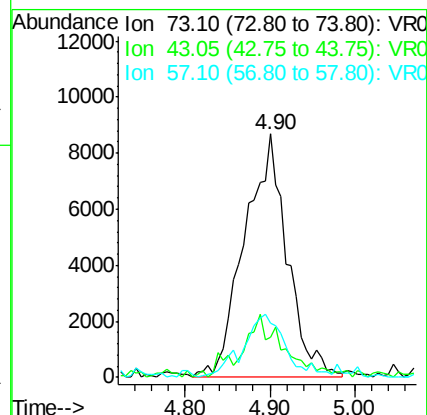
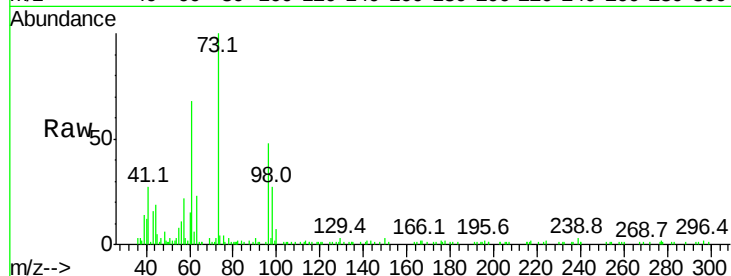
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ClientSampleId :
VSTD0.581

Tgt Ion: 73 Resp: 29878

Ion	Ratio	Lower	Upper
73	100		
43	21.3	15.8	23.6
57	24.4	19.0	28.4



#18

trans-1,2-Dichloroethene

Concen: 0.488 ug/L

RT: 4.87 min Scan# 582

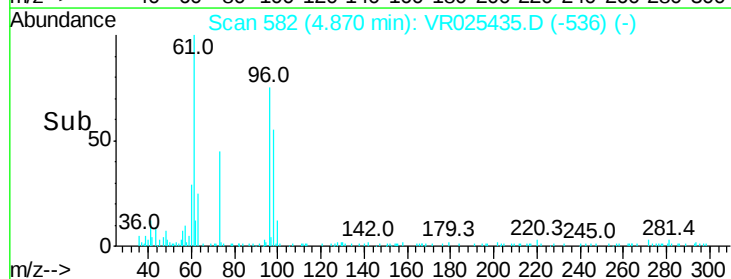
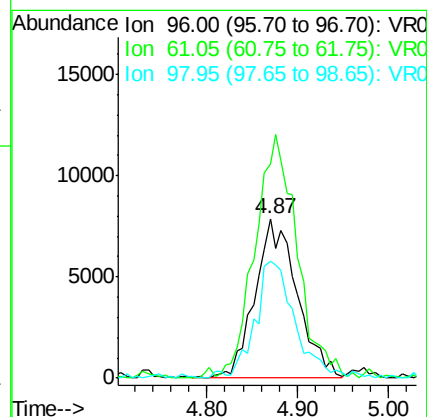
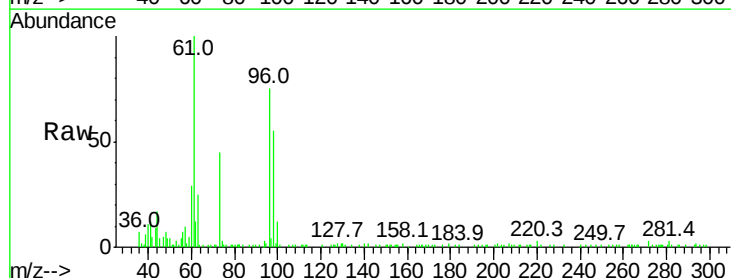
Delta R.T. -0.02 min

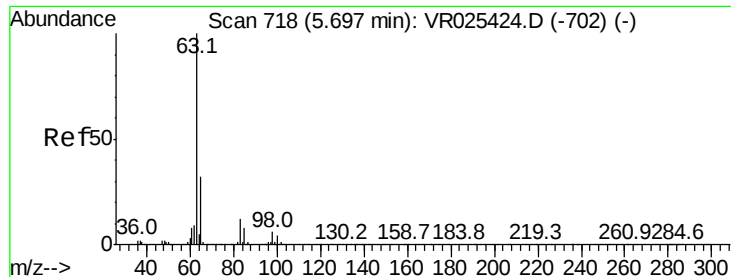
Lab File: VR025435.D

Acq: 5 Jul 2018 12:21

Tgt Ion: 96 Resp: 25179

Ion	Ratio	Lower	Upper
96	100		
61	134.2	104.4	193.8
98	73.4	43.1	80.1

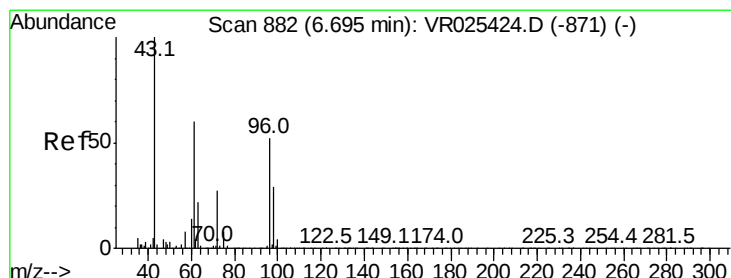
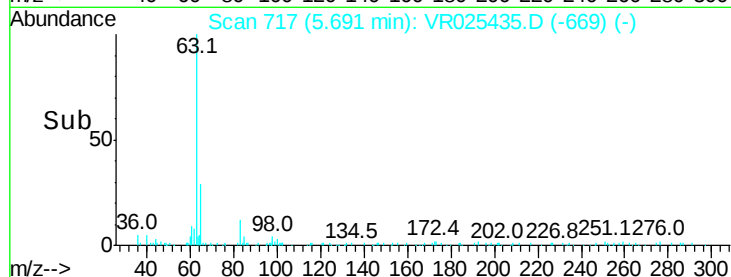
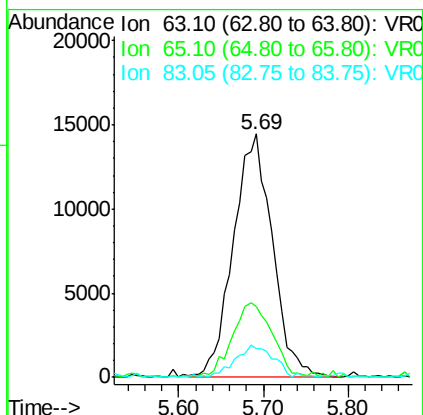
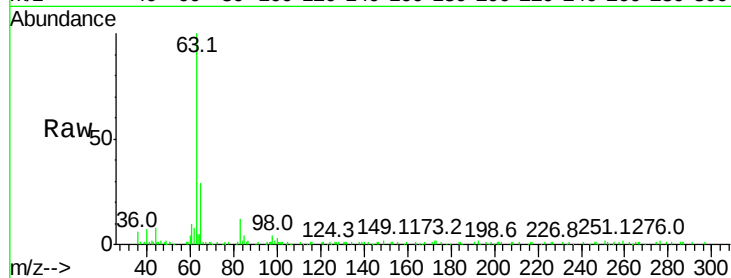




#19
 1,1-Dichloroethane
 Concen: 0.469 ug/L
 RT: 5.69 min Scan# 717
 Delta R.T. -0.01 min
 Lab File: VR025435.D
 Acq: 5 Jul 2018 12:21

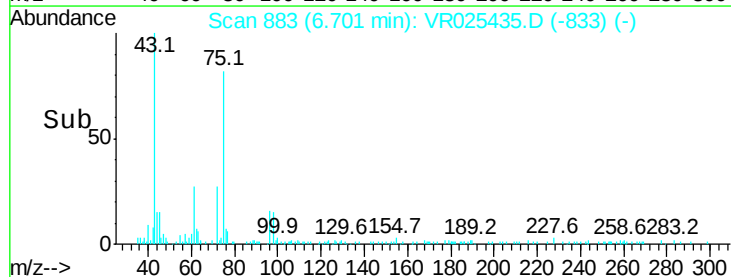
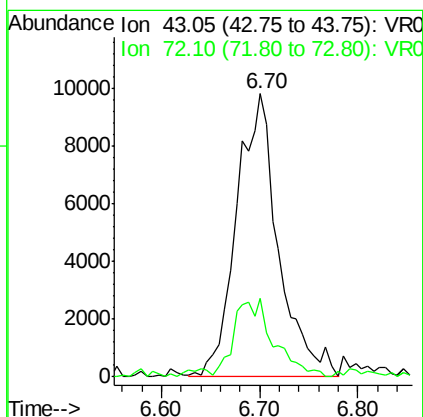
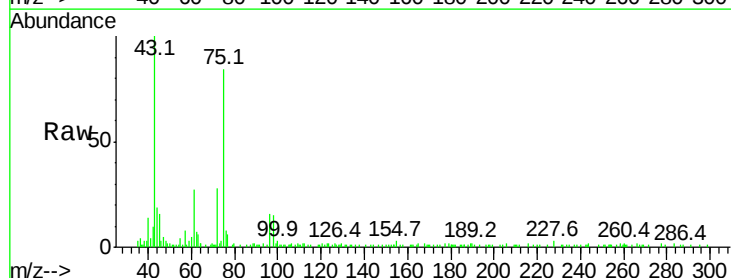
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.581

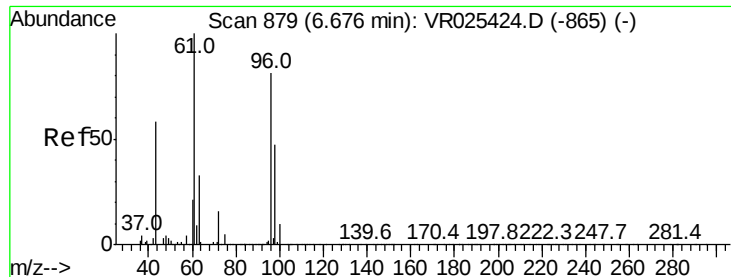
Tgt Ion: 63 Resp: 45434
 Ion Ratio Lower Upper
 63 100
 65 30.2 22.5 41.7
 83 11.7 9.5 17.7



#21
 2-Butanone
 Concen: 4.171 ug/L
 RT: 6.70 min Scan# 883
 Delta R.T. 0.01 min
 Lab File: VR025435.D
 Acq: 5 Jul 2018 12:21

Tgt Ion: 43 Resp: 29025
 Ion Ratio Lower Upper
 43 100
 72 26.1 13.0 38.9



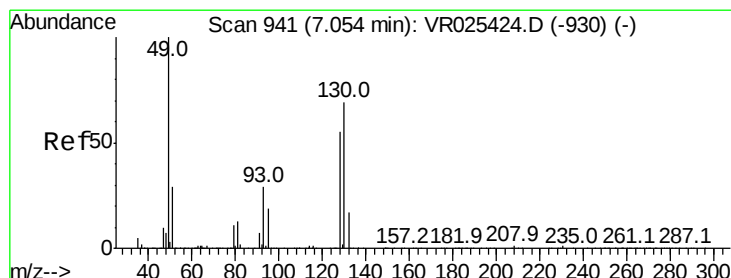
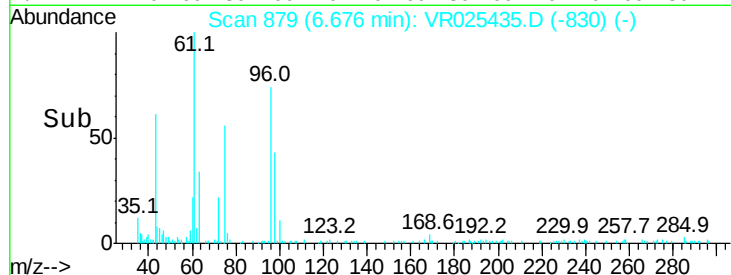
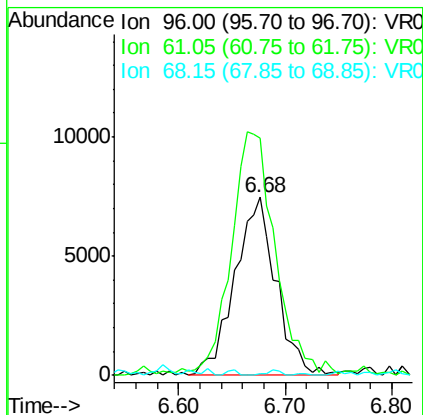
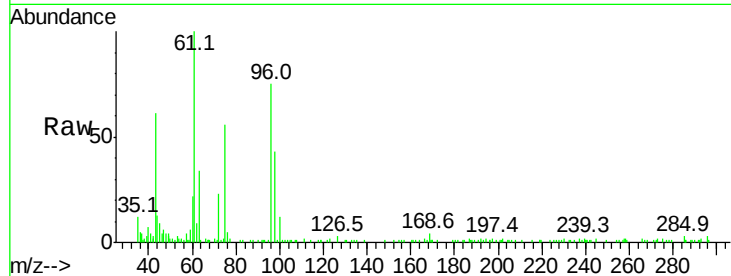


#22

cis-1,2-Dichloroethene
 Concen: 0.377 ug/L
 RT: 6.68 min Scan# 879
 Delta R.T. 0.00 min
 Lab File: VR025435.D
 Acq: 5 Jul 2018 12:21

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.581

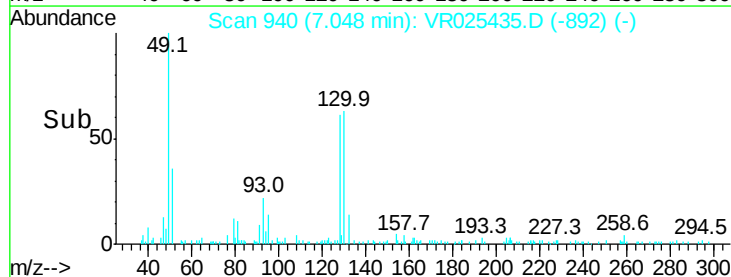
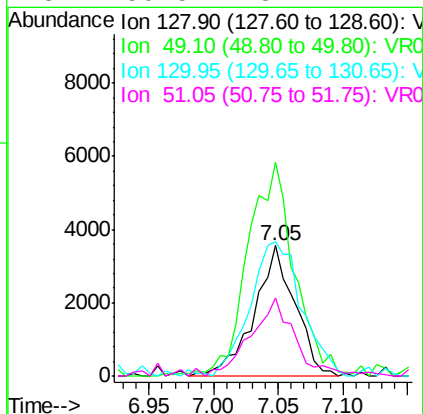
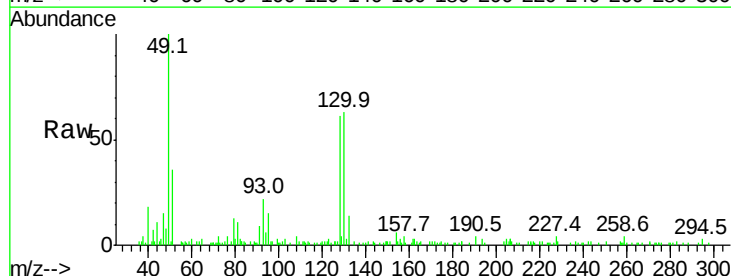
Tgt Ion: 96 Resp: 20306
 Ion Ratio Lower Upper
 96 100
 61 133.2 91.0 169.0
 68 1.2 0.0 0.0#

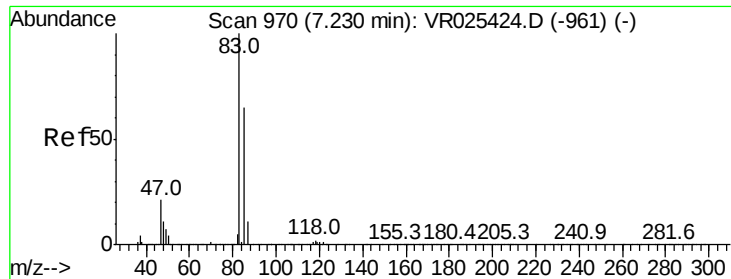


#23

Bromochloromethane
 Concen: 0.494 ug/L
 RT: 7.05 min Scan# 940
 Delta R.T. -0.01 min
 Lab File: VR025435.D
 Acq: 5 Jul 2018 12:21

Tgt Ion: 128 Resp: 7782
 Ion Ratio Lower Upper
 128 100
 49 163.8 128.7 238.9
 130 103.4 87.2 161.9
 51 59.5 48.2 72.2





#25

Chloroform

Concen: 0.510 ug/L

RT: 7.22 min Scan# 969

Delta R.T. -0.01 min

Lab File: VR025435.D

Acq: 5 Jul 2018 12:21

Instrument :

MSVOA_R

ClientSampleId :

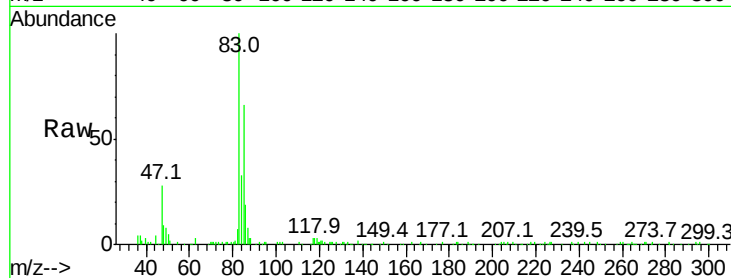
VSTD0.581

Tgt Ion: 83 Resp: 45149

Ion Ratio Lower Upper

83 100

85 65.7 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0

7.22

20000

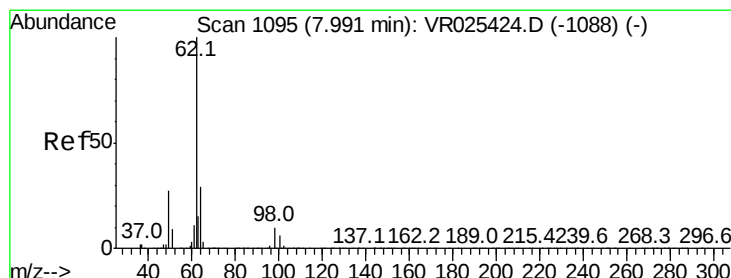
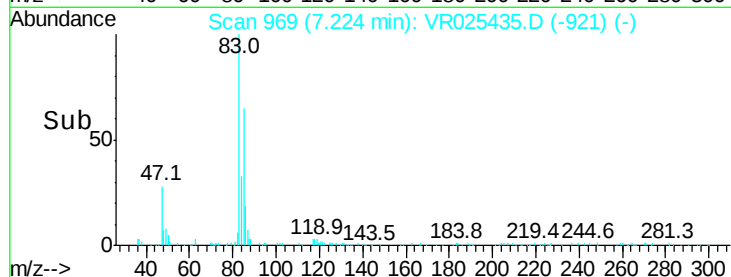
15000

10000

5000

0

Time--> 7.10 7.20 7.30



#27

1,2-Dichloroethane

Concen: 0.497 ug/L

RT: 8.00 min Scan# 1096

Delta R.T. 0.01 min

Lab File: VR025435.D

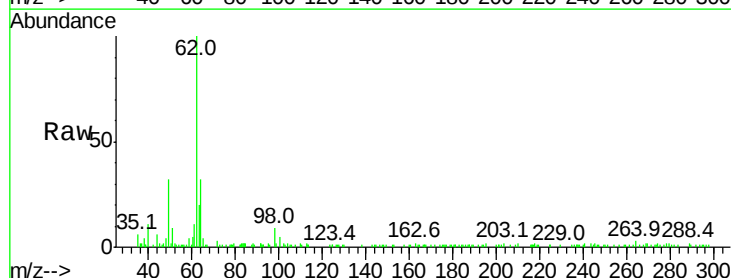
Acq: 5 Jul 2018 12:21

Tgt Ion: 62 Resp: 20116

Ion Ratio Lower Upper

62 100

98 8.6 5.4 8.2#



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0

8.00

10000

8000

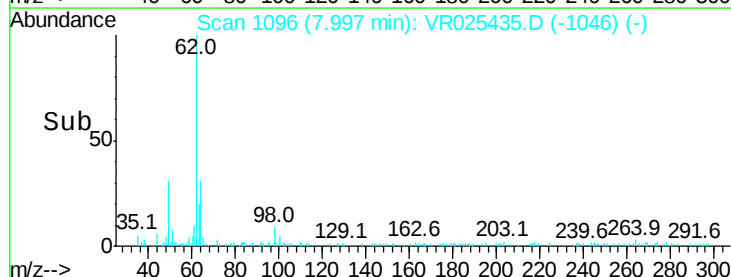
6000

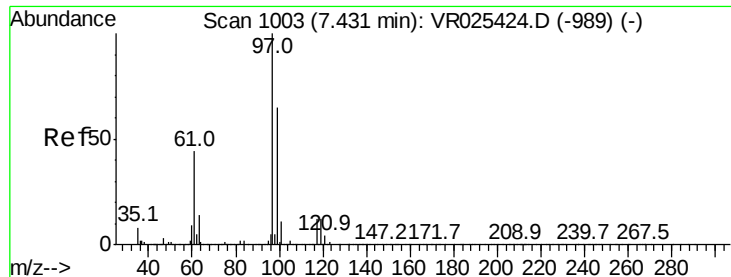
4000

2000

0

Time--> 7.90 7.95 8.00 8.05





#29

1,1,1-Trichloroethane

Concen: 0.420 ug/L

RT: 7.42 min Scan# 1002

Delta R.T. -0.01 min

Lab File: VR025435.D

Acq: 5 Jul 2018 12:21

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.581

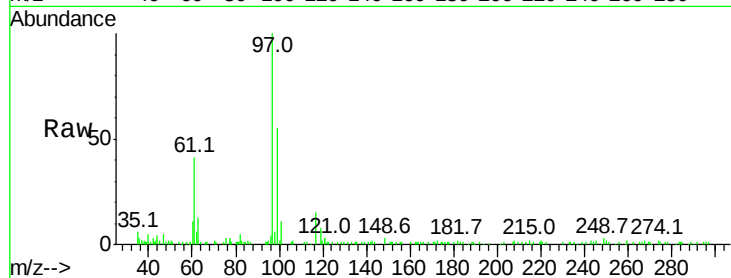
Tgt Ion: 97 Resp: 29352

Ion Ratio Lower Upper

97 100

99 59.3 52.1 78.1

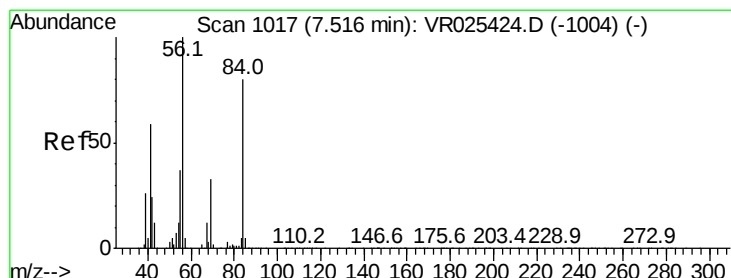
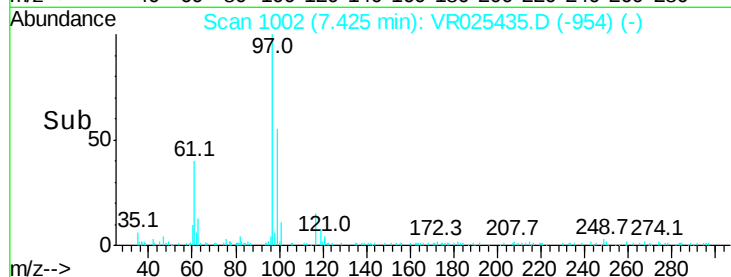
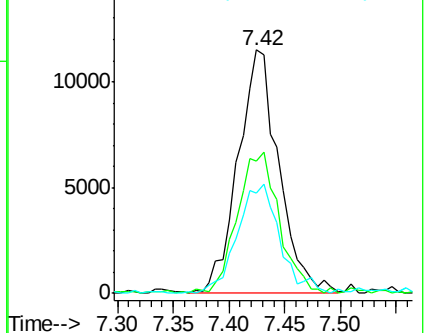
61 46.7 37.0 55.6



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: 0.244 ug/L

RT: 7.52 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VR025435.D

Acq: 5 Jul 2018 12:21

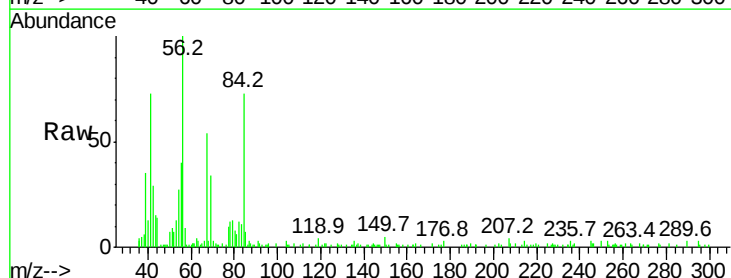
Tgt Ion: 56 Resp: 21756

Ion Ratio Lower Upper

56 100

69 29.7 23.7 35.5

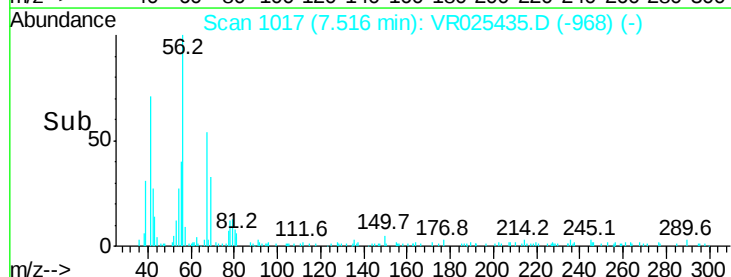
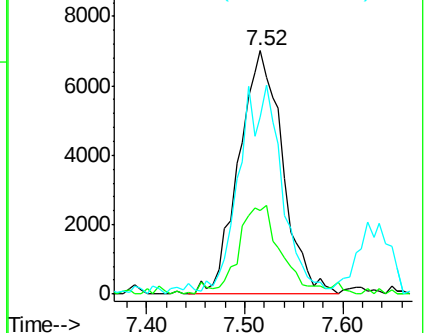
84 82.5 62.6 93.8

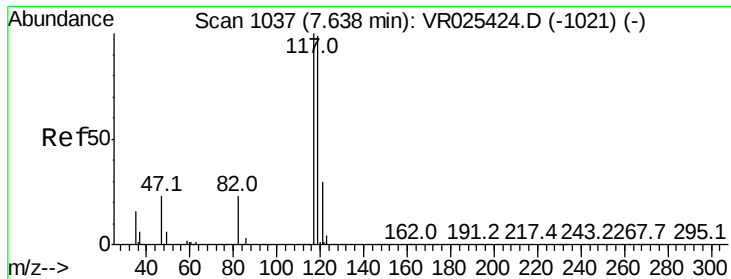


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 0.433 ug/L

RT: 7.64 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VR025435.D

Acq: 5 Jul 2018 12:21

Instrument :

MSVOA_R

ClientSampleId :

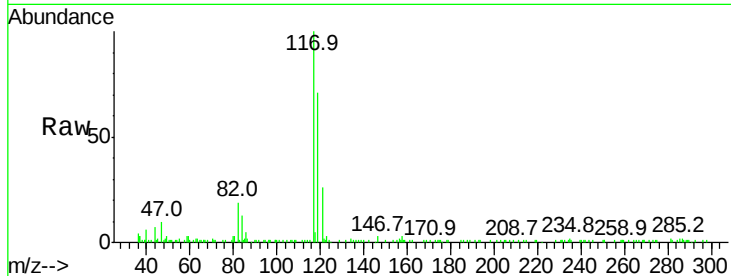
VSTD0.581

Tgt Ion:117 Resp: 26519

Ion Ratio Lower Upper

117 100

119 86.5 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

12000

10000

8000

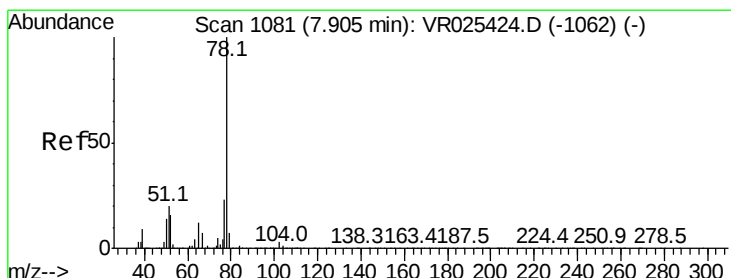
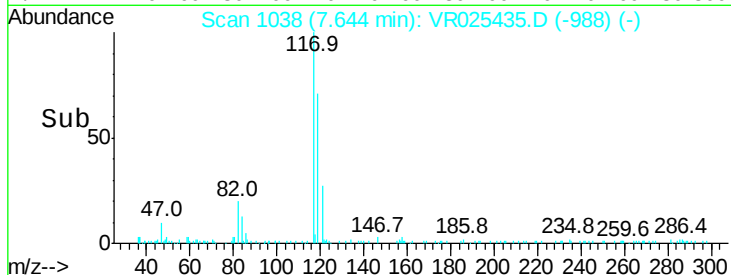
6000

4000

2000

0

Time--> 7.50 7.60 7.70



#33

Benzene

Concen: 0.420 ug/L

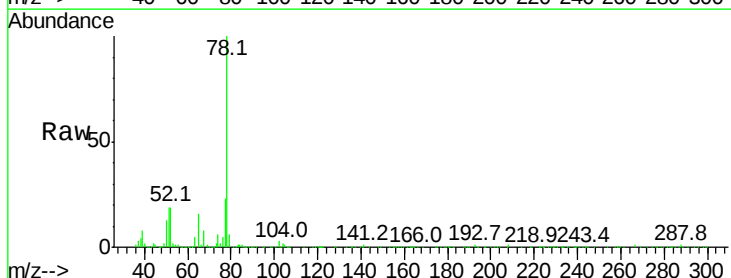
RT: 7.91 min Scan# 1081

Delta R.T. 0.00 min

Lab File: VR025435.D

Acq: 5 Jul 2018 12:21

Tgt Ion: 78 Resp: 97021



Abundance Ion 78.10 (77.80 to 78.80): VR0

7.91

50000

40000

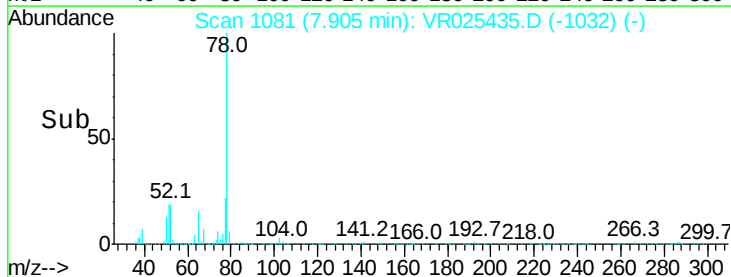
30000

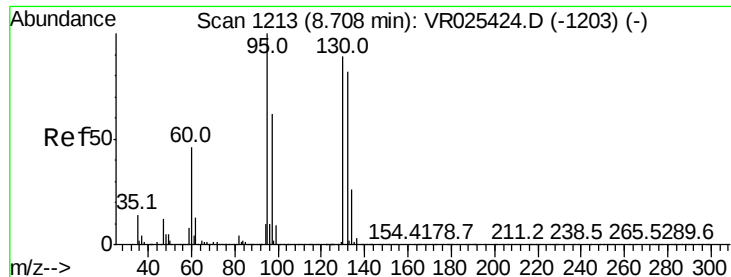
20000

10000

0

Time--> 7.80 7.90 8.00





#34

Trichloroethene

Concen: 0.475 ug/L

RT: 8.71 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VR025435.D

Acq: 5 Jul 2018 12:21

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.581

Tgt Ion: 95 Resp: 26503

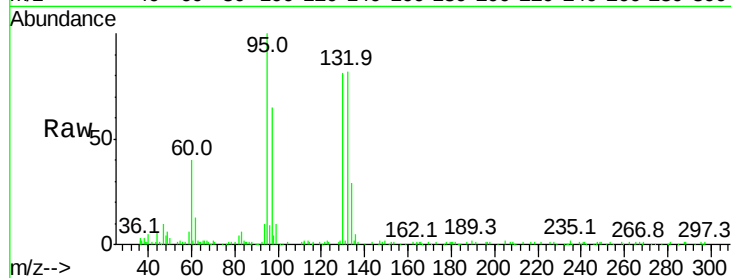
Ion Ratio Lower Upper

95 100

97 65.0 45.6 84.6

132 81.6 60.9 113.1

130 81.2 62.0 115.2

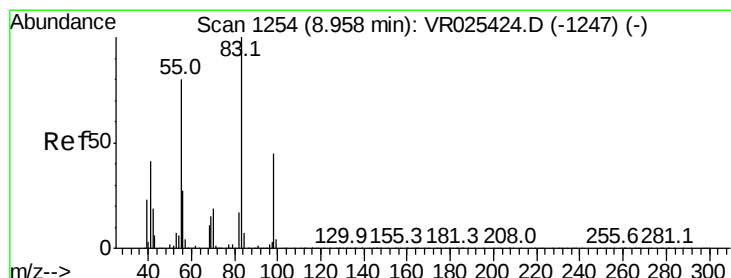
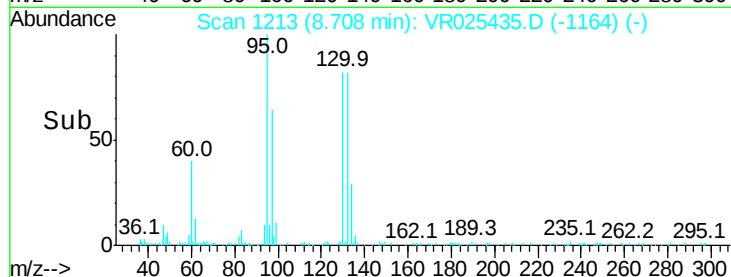
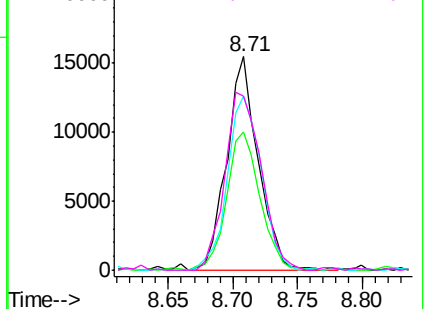


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 0.294 ug/L

RT: 8.96 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VR025435.D

Acq: 5 Jul 2018 12:21

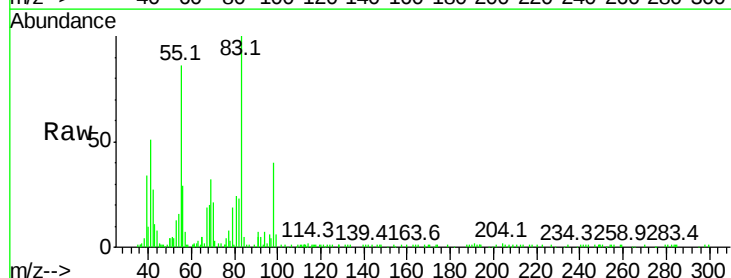
Tgt Ion: 83 Resp: 25918

Ion Ratio Lower Upper

83 100

55 91.7 66.1 99.1

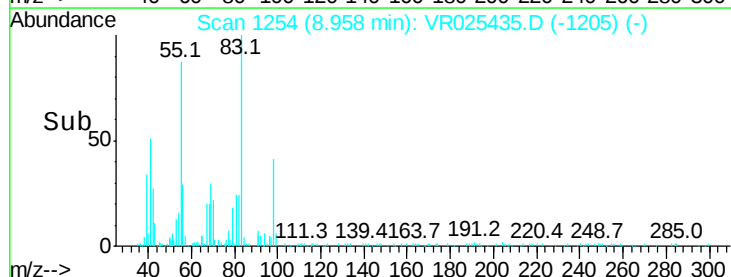
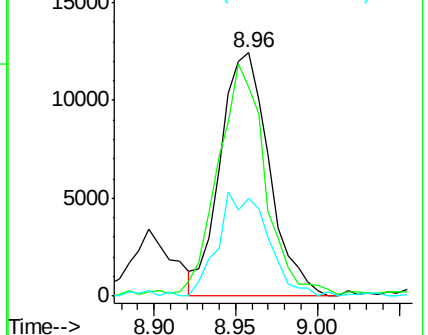
98 43.5 36.2 54.4

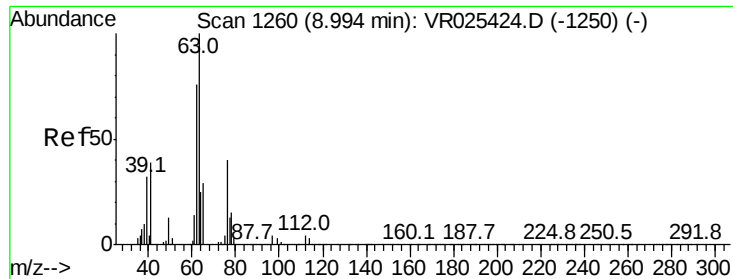


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

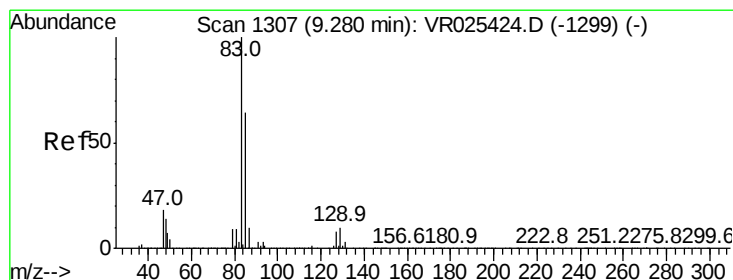
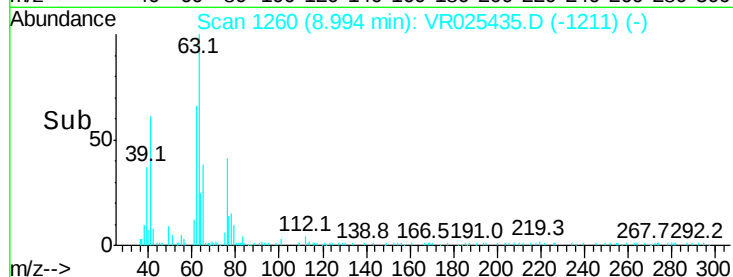
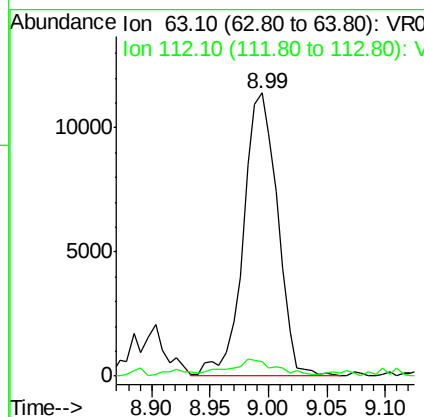
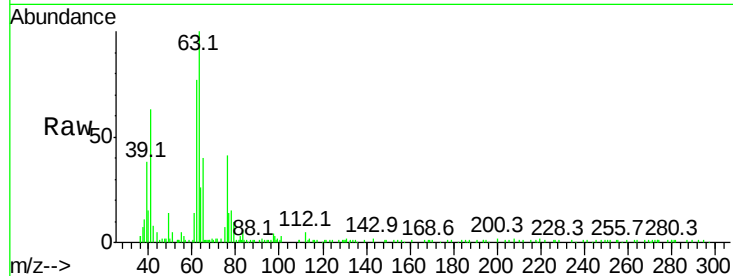




#37
 1,2-Dichloropropane
 Concen: 0.456 ug/L
 RT: 8.99 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VR025435.D
 Acq: 5 Jul 2018 12:21

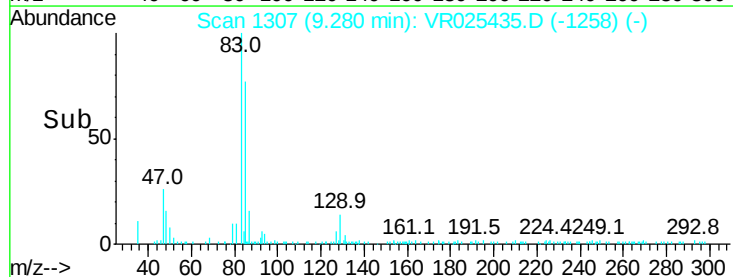
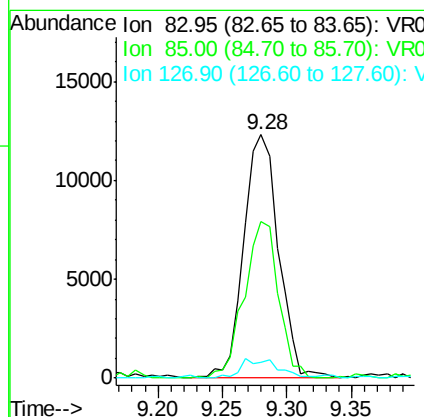
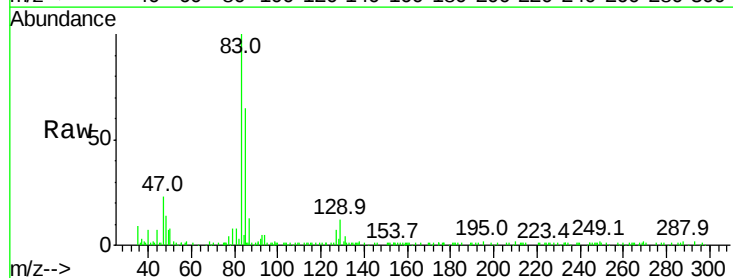
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD0.581

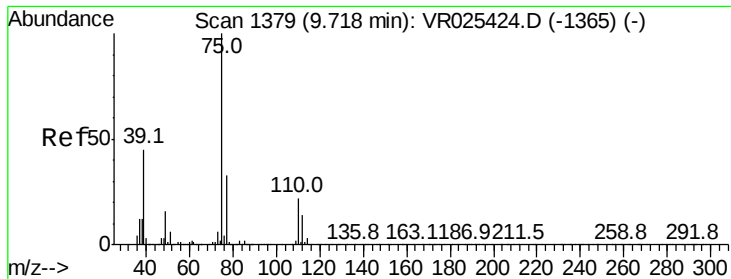
Tgt Ion: 63 Resp: 23376
 Ion Ratio Lower Upper
 63 100
 112 8.3 2.9 4.3#



#38
 Bromodichloromethane
 Concen: 0.461 ug/L
 RT: 9.28 min Scan# 1307
 Delta R.T. 0.00 min
 Lab File: VR025435.D
 Acq: 5 Jul 2018 12:21

Tgt Ion: 83 Resp: 22941
 Ion Ratio Lower Upper
 83 100
 85 65.7 46.1 85.7
 127 6.6 5.7 8.5

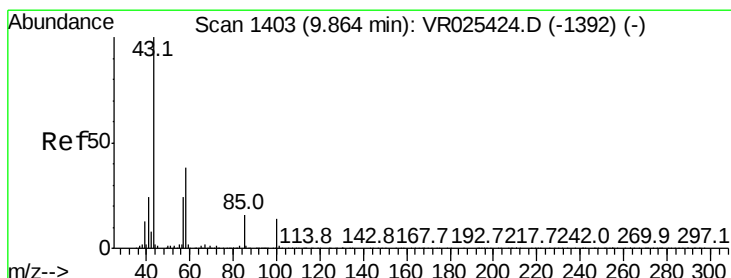
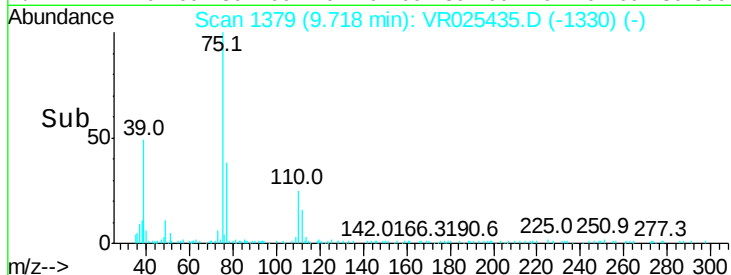
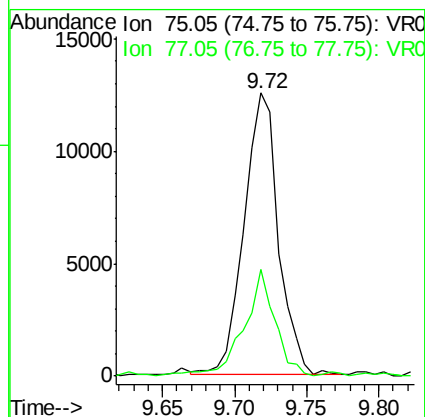
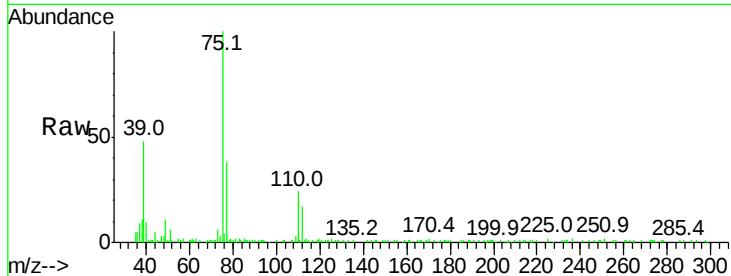




#39
 cis-1,3-Dichloropropene
 Concen: 0.343 ug/L
 RT: 9.72 min Scan# 1379
 Delta R.T. 0.00 min
 Lab File: VR025435.D
 Acq: 5 Jul 2018 12:21

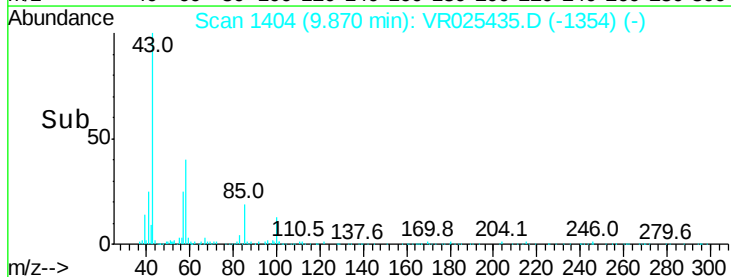
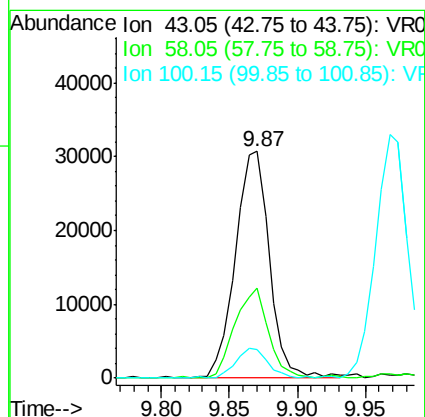
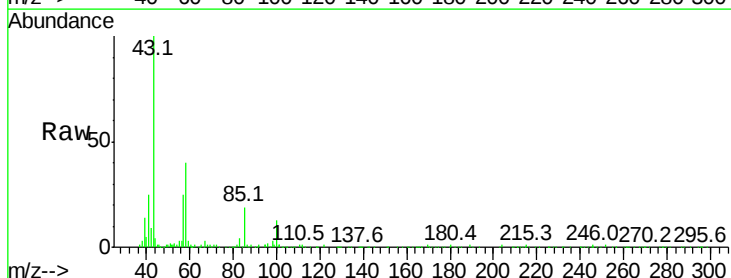
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.581

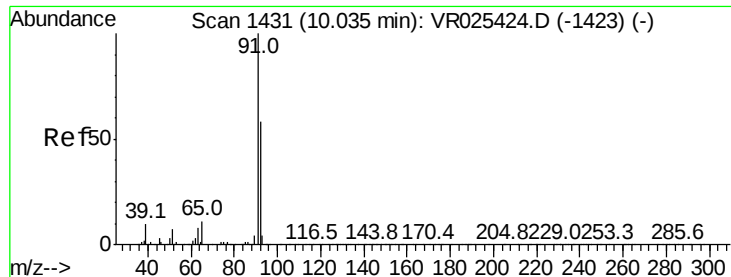
Tgt Ion: 75 Resp: 20723
 Ion Ratio Lower Upper
 75 100
 77 37.8 21.1 39.1



#40
 4-Methyl-2-pentanone
 Concen: 3.235 ug/L
 RT: 9.87 min Scan# 1404
 Delta R.T. 0.01 min
 Lab File: VR025435.D
 Acq: 5 Jul 2018 12:21

Tgt Ion: 43 Resp: 53697
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.3 45.5
 100 12.7 10.3 15.5





#42

Toluene

Concen: 0.375 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VR025435.D

Acq: 5 Jul 2018 12:21

Instrument :

MSVOA_R

ClientSampleId :

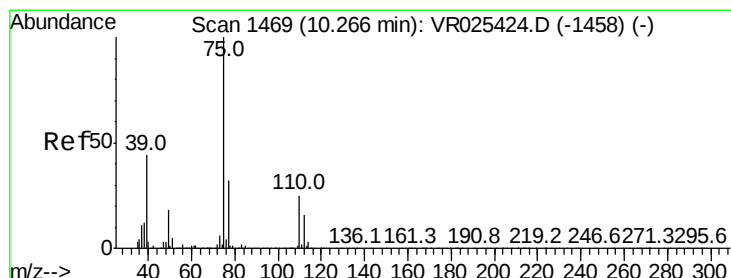
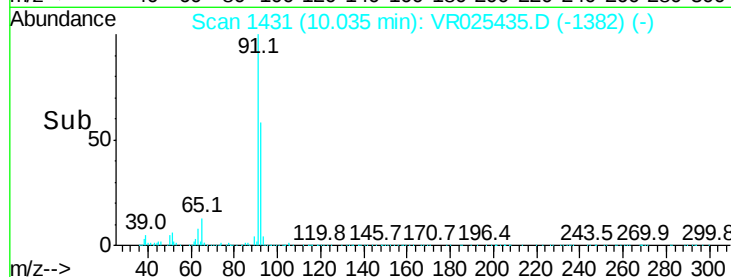
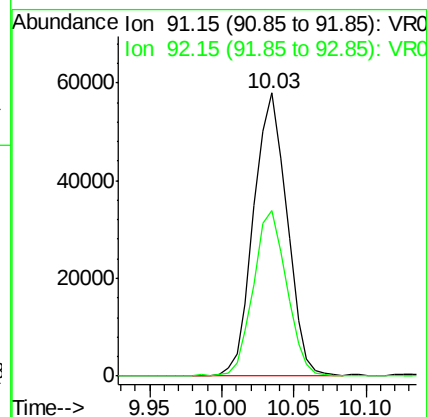
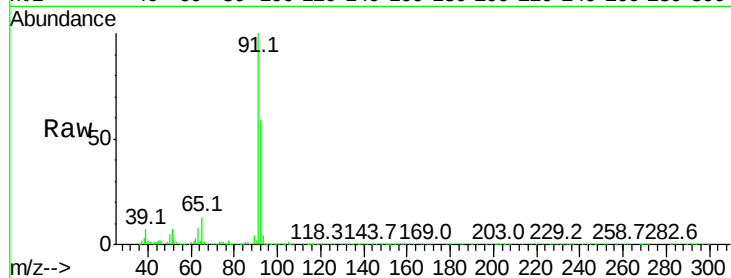
VSTD0.581

Tgt Ion: 91 Resp: 92741

Ion Ratio Lower Upper

91 100

92 58.5 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 0.369 ug/L

RT: 10.27 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VR025435.D

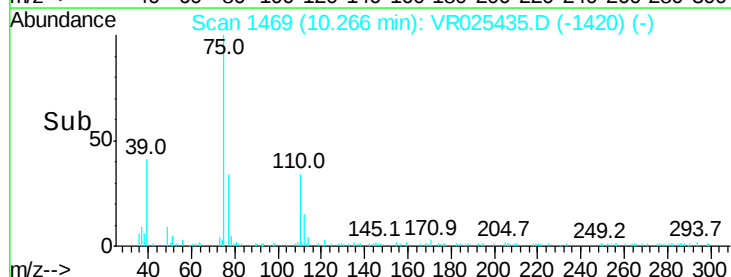
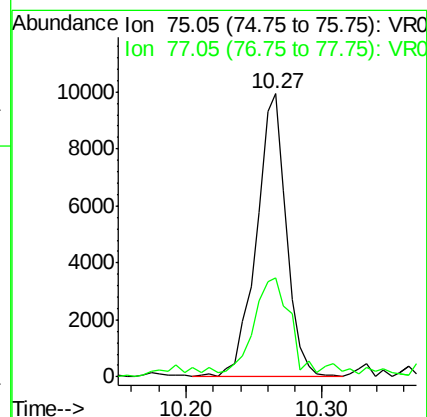
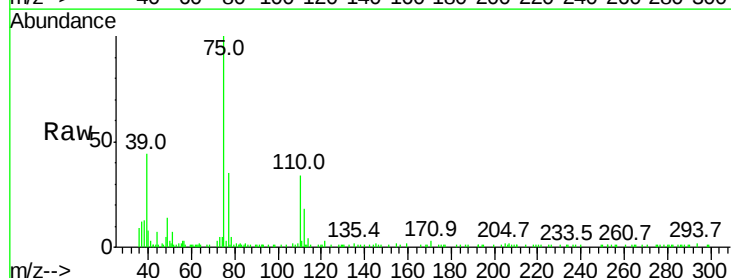
Acq: 5 Jul 2018 12:21

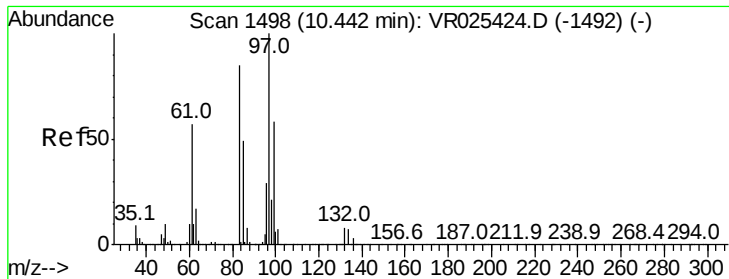
Tgt Ion: 75 Resp: 15327

Ion Ratio Lower Upper

75 100

77 35.1 20.6 38.4

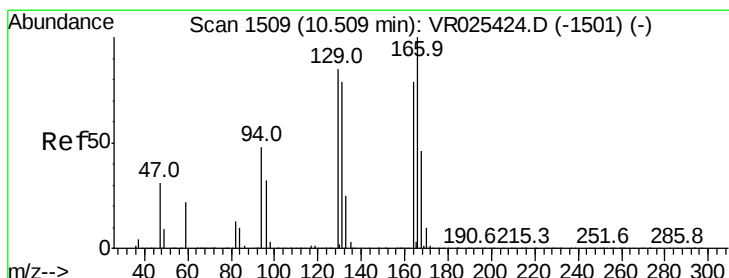
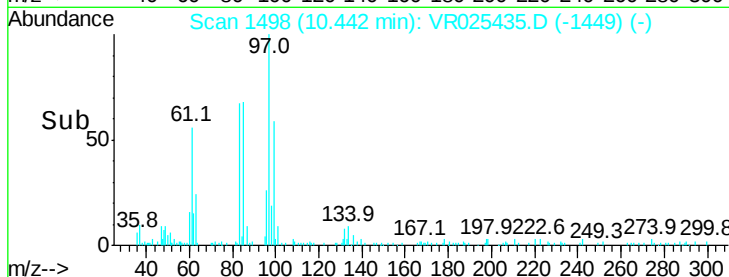
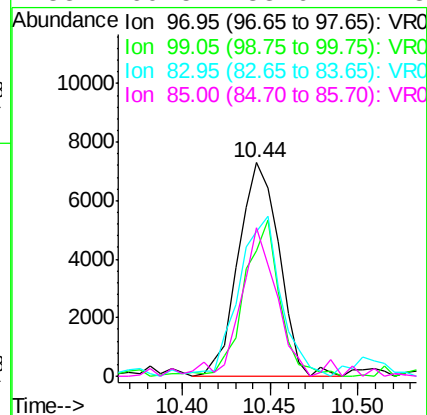
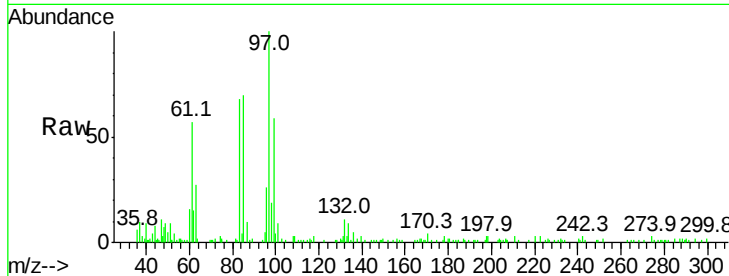




#45
 1,1,2-Trichloroethane
 Concen: 0.499 ug/L
 RT: 10.44 min Scan# 1498
 Delta R.T. 0.00 min
 Lab File: VR025435.D
 Acq: 5 Jul 2018 12:21

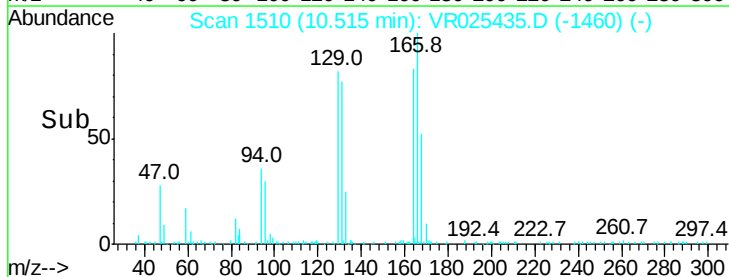
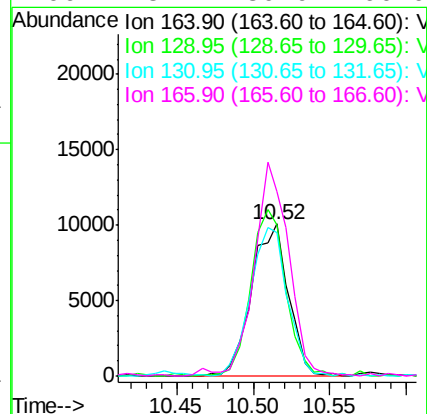
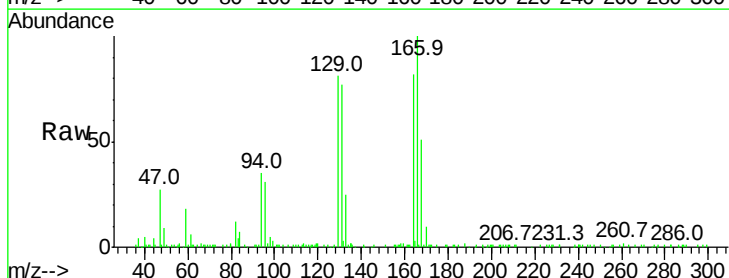
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.581

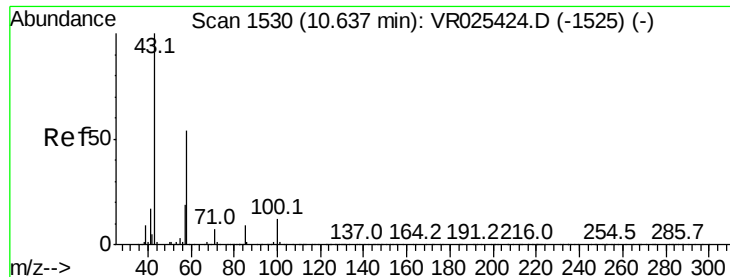
Tgt Ion:	97	Resp:	11875
Ion	Ratio	Lower	Upper
97	100		
99	58.7	41.9	77.9
83	67.8	64.5	119.9
85	69.5	38.6	71.8



#47
 Tetrachloroethene
 Concen: 0.453 ug/L
 RT: 10.52 min Scan# 1510
 Delta R.T. 0.01 min
 Lab File: VR025435.D
 Acq: 5 Jul 2018 12:21

Tgt Ion:	164	Resp:	16879
Ion	Ratio	Lower	Upper
164	100		
129	95.6	68.1	126.5
131	90.8	68.5	127.1
166	118.4	89.9	166.9

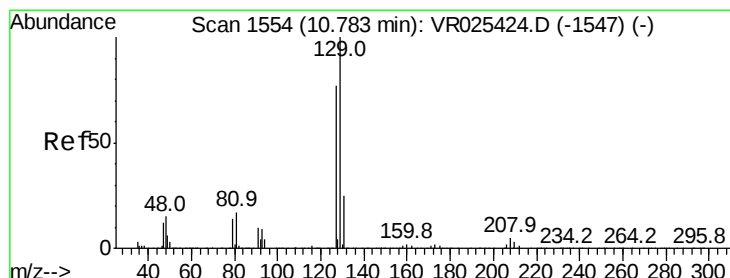
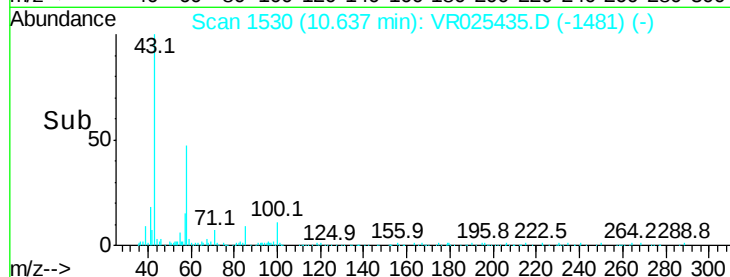
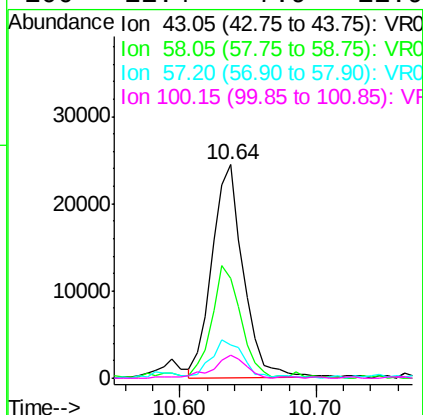
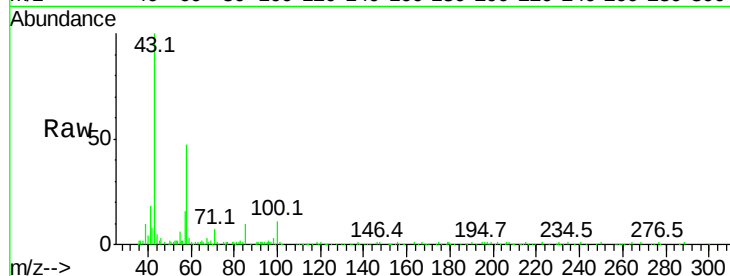




#48
2-Hexanone
Concen: 3.657 ug/L
RT: 10.64 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VR025435.D
Acq: 5 Jul 2018 12:21

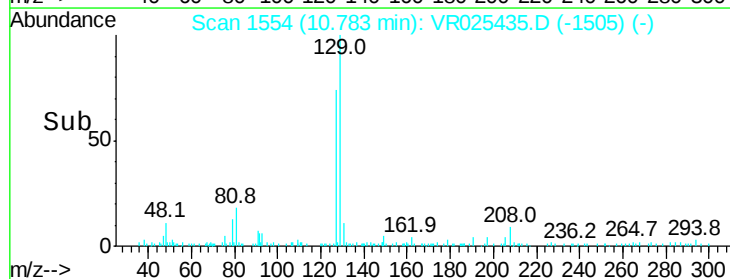
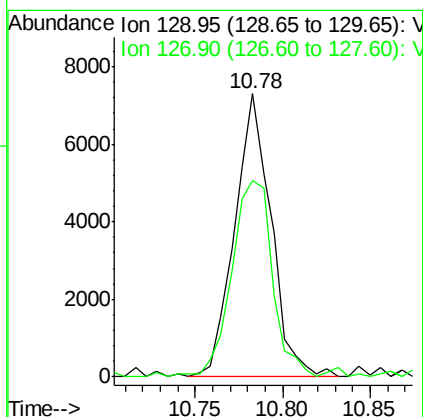
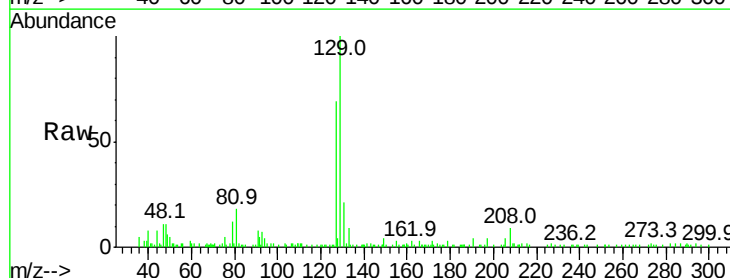
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.581

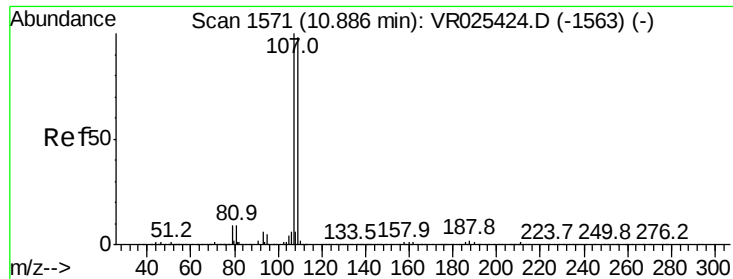
Tgt Ion:	43	Resp:	38695
Ion	Ratio	Lower	Upper
43	100		
58	48.0	43.1	64.7
57	19.4	15.3	22.9
100	11.4	7.9	11.9



#49
Dibromochloromethane
Concen: 0.461 ug/L
RT: 10.78 min Scan# 1554
Delta R.T. 0.00 min
Lab File: VR025435.D
Acq: 5 Jul 2018 12:21

Tgt Ion:	129	Resp:	10576
Ion	Ratio	Lower	Upper
129	100		
127	69.3	55.9	103.7

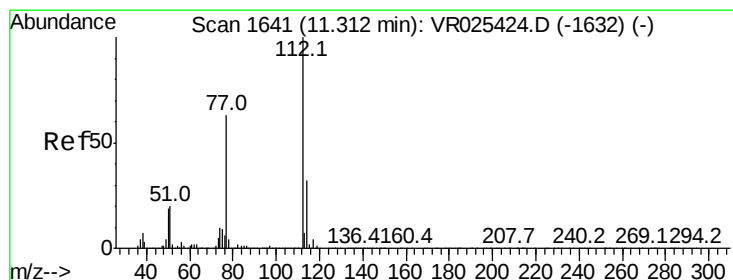
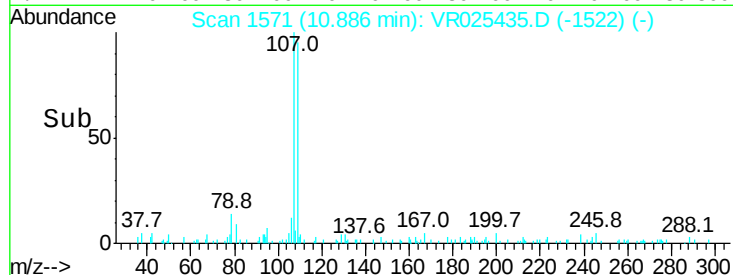
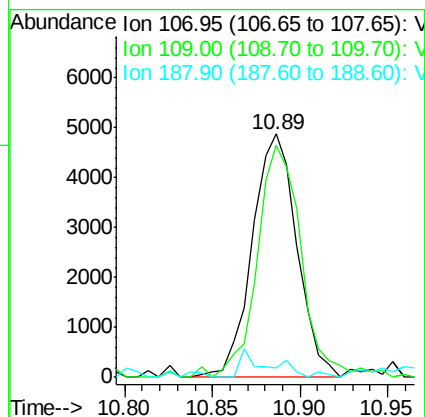
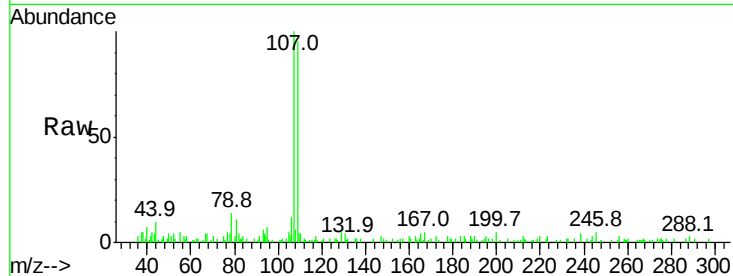




#50
 1,2-Dibromoethane
 Concen: 0.455 ug/L
 RT: 10.89 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VR025435.D
 Acq: 5 Jul 2018 12:21

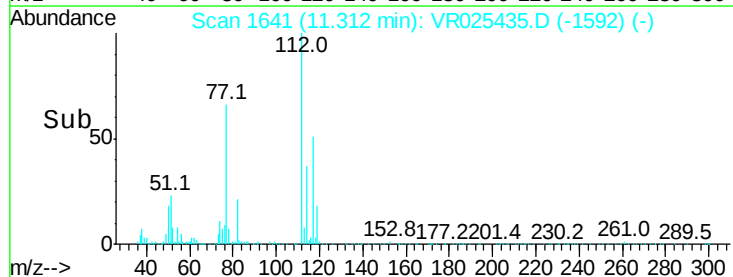
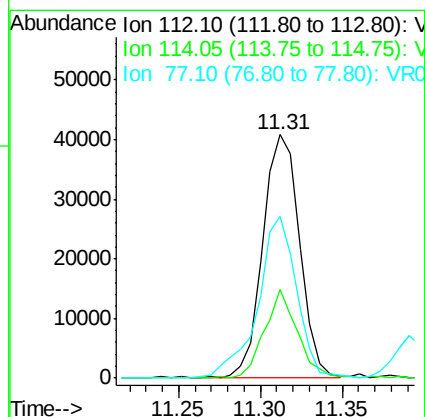
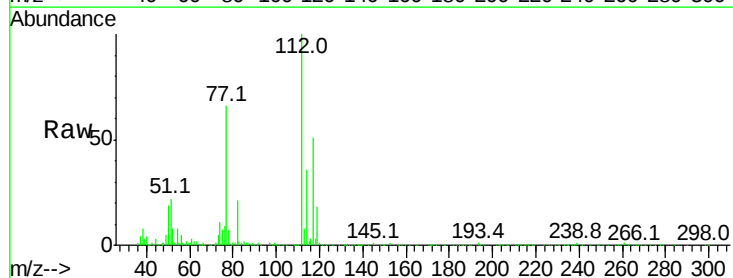
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.581

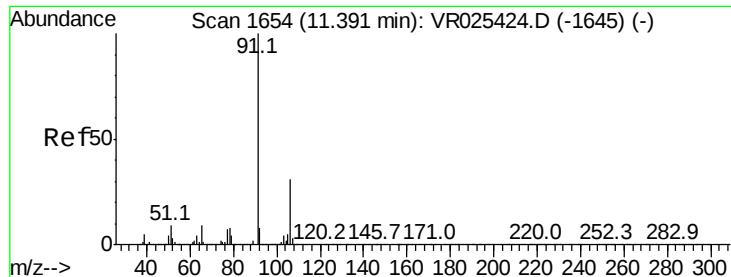
Tgt Ion:107 Resp: 8693
 Ion Ratio Lower Upper
 107 100
 109 99.9 63.1 117.3
 188 4.0 1.8 2.8#



#51
 Chlorobenzene
 Concen: 0.483 ug/L
 RT: 11.31 min Scan# 1641
 Delta R.T. 0.00 min
 Lab File: VR025435.D
 Acq: 5 Jul 2018 12:21

Tgt Ion:112 Resp: 63996
 Ion Ratio Lower Upper
 112 100
 114 36.4 21.6 40.0
 77 66.3 51.9 77.9





#52

Ethylbenzene

Concen: 0.396 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VR025435.D

Acq: 5 Jul 2018 12:21

Instrument :

MSVOA_R

ClientSampleId :

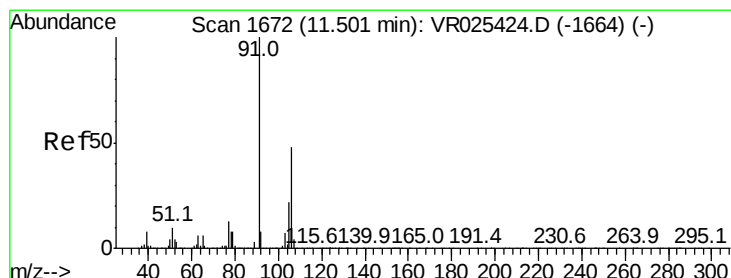
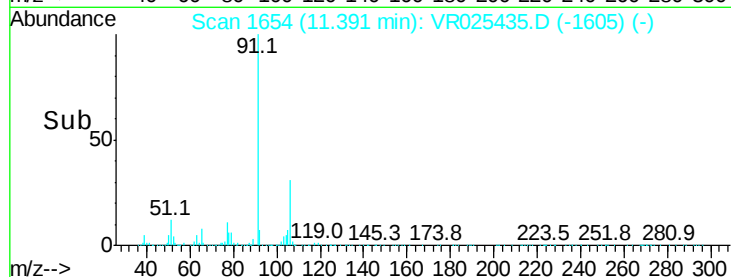
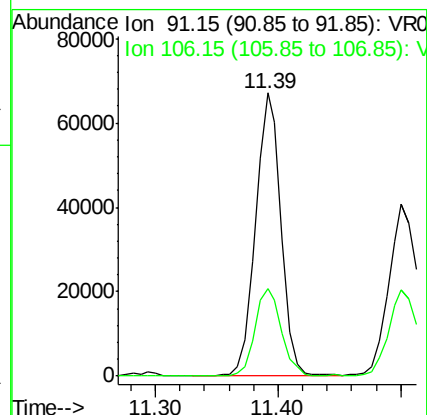
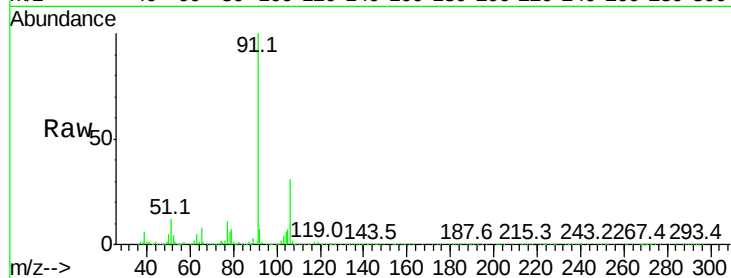
VSTD0.581

Tgt Ion: 91 Resp: 97056

Ion Ratio Lower Upper

91 100

106 31.1 22.5 41.7



#53

m,p-Xylene

Concen: 0.366 ug/L

RT: 11.50 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VR025435.D

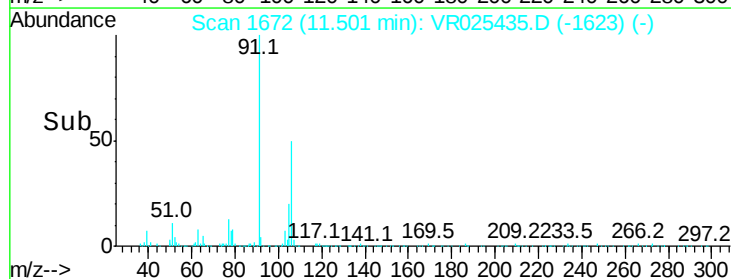
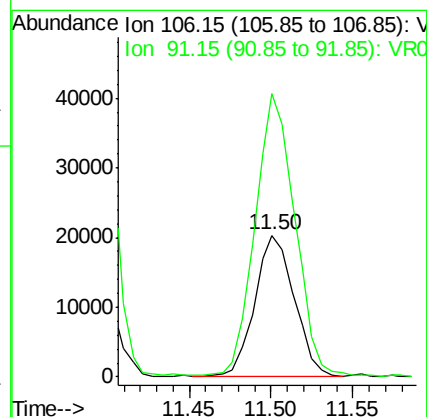
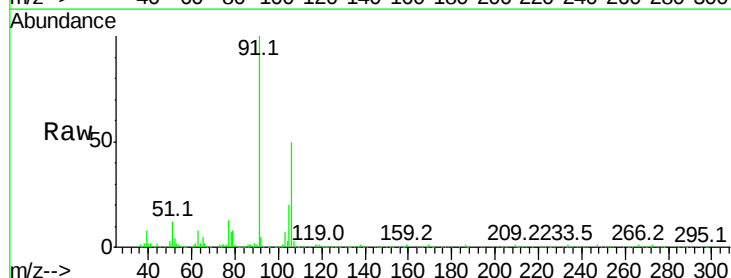
Acq: 5 Jul 2018 12:21

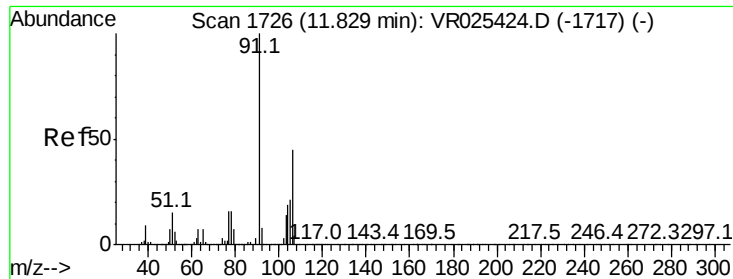
Tgt Ion: 106 Resp: 34317

Ion Ratio Lower Upper

106 100

91 200.1 152.6 283.4

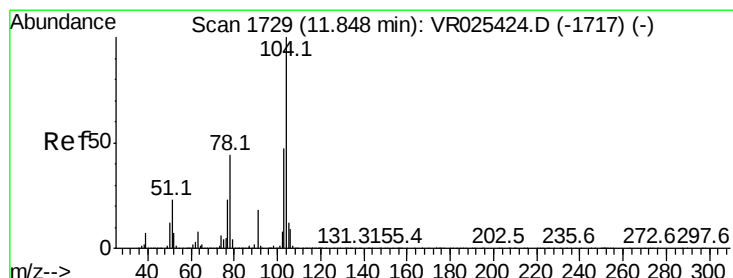
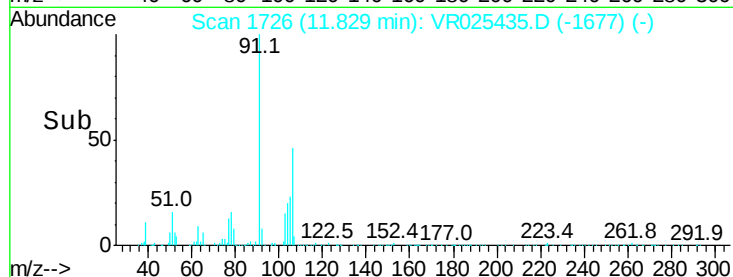
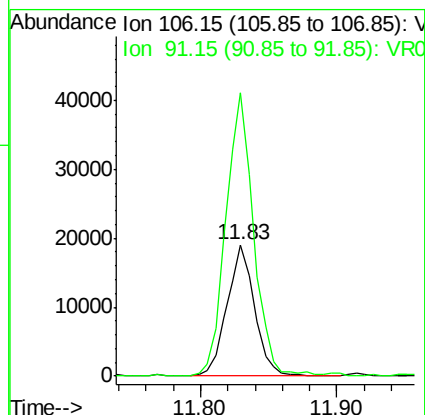
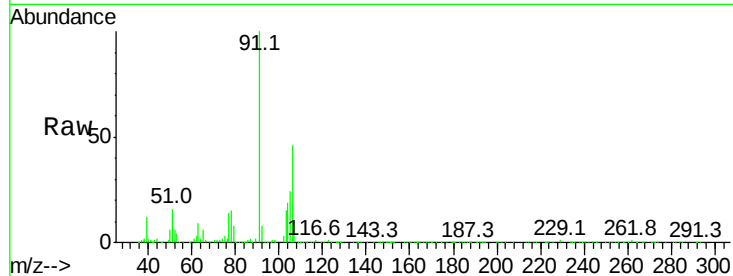




#54
o-Xylene
Concen: 0.321 ug/L
RT: 11.83 min Scan# 1726
Delta R.T. 0.00 min
Lab File: VR025435.D
Acq: 5 Jul 2018 12:21

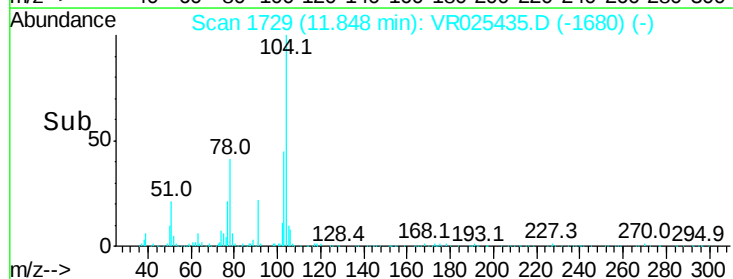
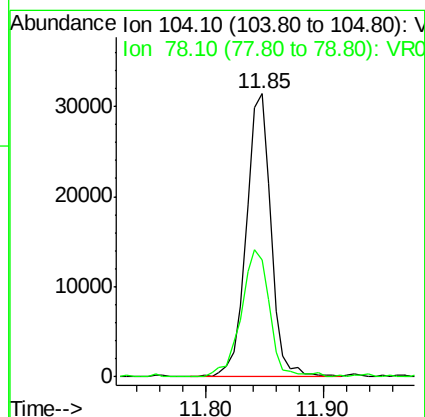
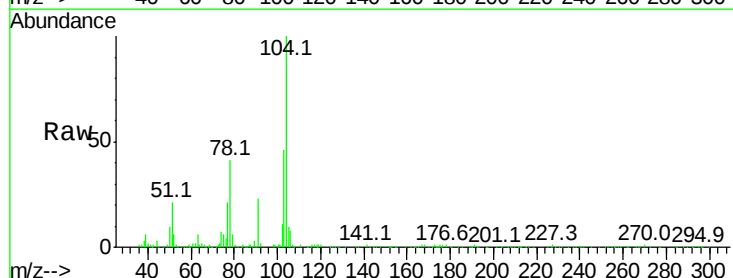
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.581

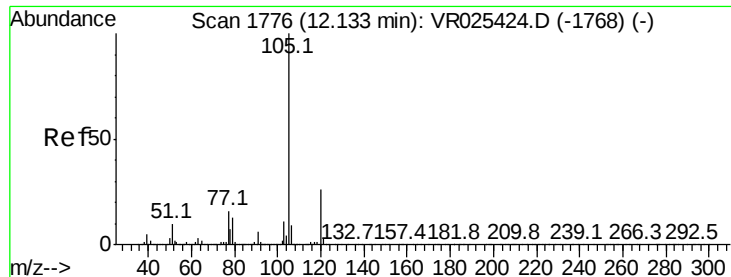
Tgt Ion:106 Resp: 26899
Ion Ratio Lower Upper
106 100
91 215.6 153.7 285.5



#55
Styrene
Concen: 0.361 ug/L
RT: 11.85 min Scan# 1729
Delta R.T. 0.00 min
Lab File: VR025435.D
Acq: 5 Jul 2018 12:21

Tgt Ion:104 Resp: 46459
Ion Ratio Lower Upper
104 100
78 41.3 35.4 65.7





#56

Isopropylbenzene

Concen: 0.309 ug/L

RT: 12.13 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VR025435.D

Acq: 5 Jul 2018 12:21

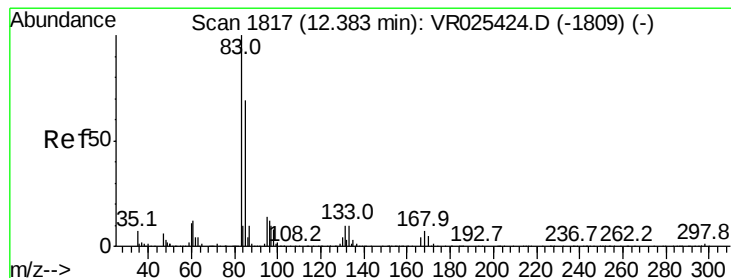
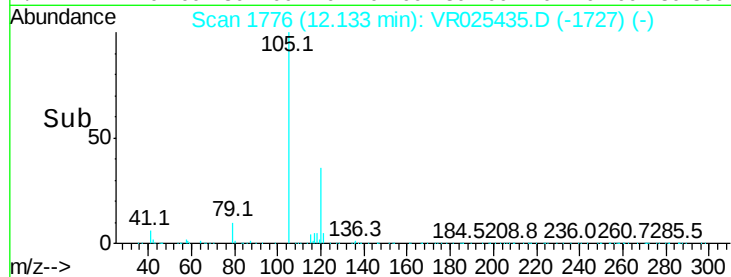
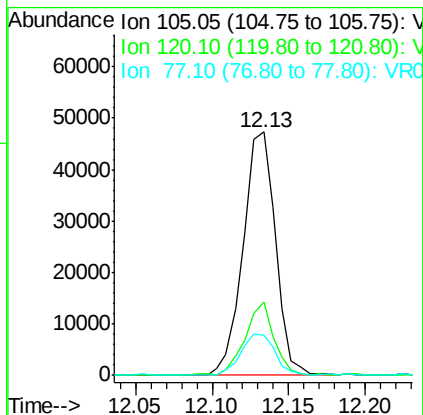
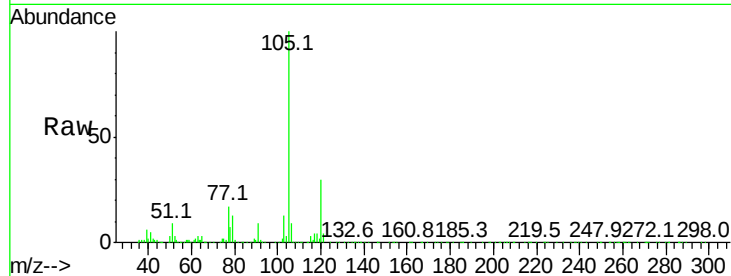
Instrument :

MSVOA_R

ClientSampleId :

VSTD0.581

Tgt Ion:	105	Resp:	69572
Ion Ratio	Lower	Upper	
105	100		
120	27.0	20.2	30.4
77	17.7	13.0	19.6



#58

1,1,2,2-Tetrachloroethane

Concen: 0.520 ug/L

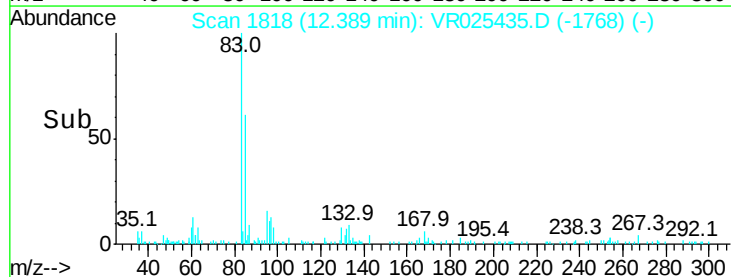
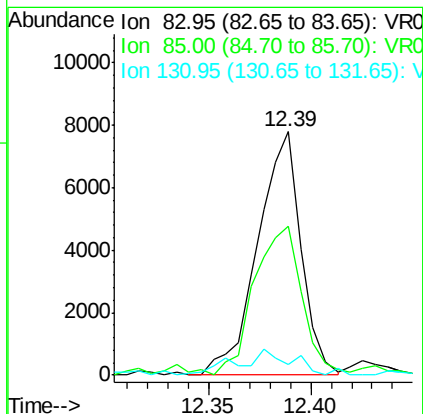
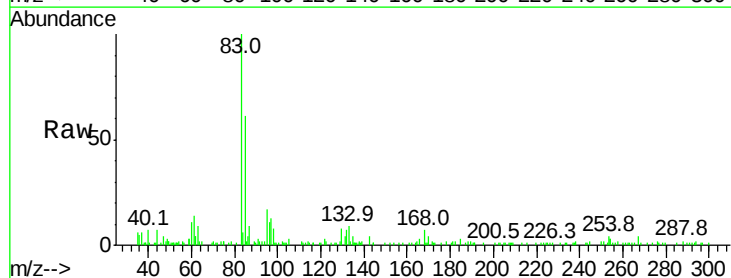
RT: 12.39 min Scan# 1818

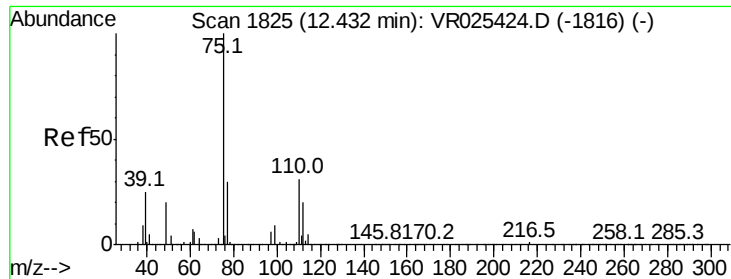
Delta R.T. 0.01 min

Lab File: VR025435.D

Acq: 5 Jul 2018 12:21

Tgt Ion:	83	Resp:	11463
Ion Ratio	Lower	Upper	
83	100		
85	61.1	41.8	77.6
131	4.2	6.1	9.1#





#59

1,2,3-Trichloropropane

Concen: 0.512 ug/L

RT: 12.43 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VR025435.D

Acq: 5 Jul 2018 12:21

Instrument :

MSVOA_R

ClientSampleId :

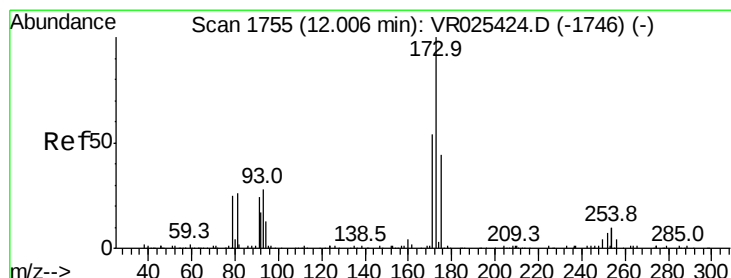
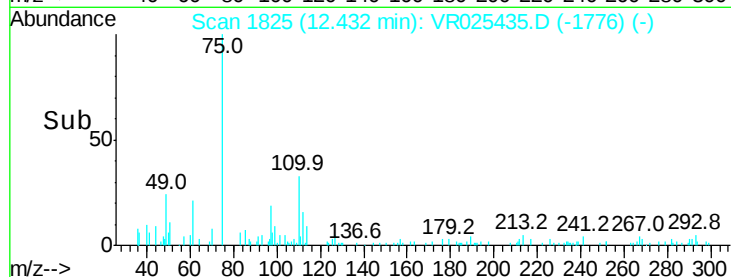
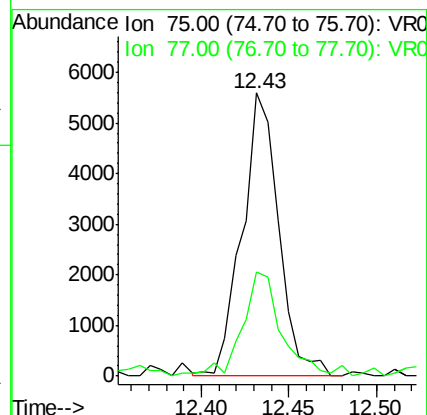
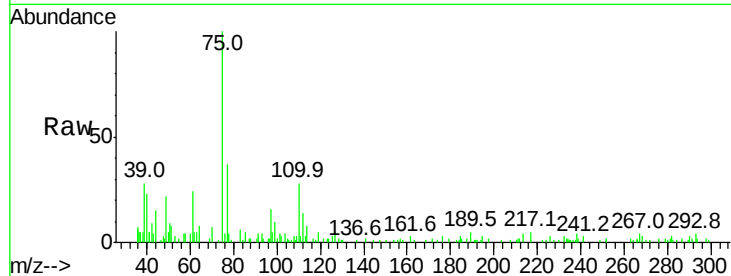
VSTD0.581

Tgt Ion: 75 Resp: 8143

Ion Ratio Lower Upper

75 100

77 39.1 27.0 40.4



#61

Bromoform

Concen: 0.563 ug/L

RT: 12.01 min Scan# 1756

Delta R.T. 0.01 min

Lab File: VR025435.D

Acq: 5 Jul 2018 12:21

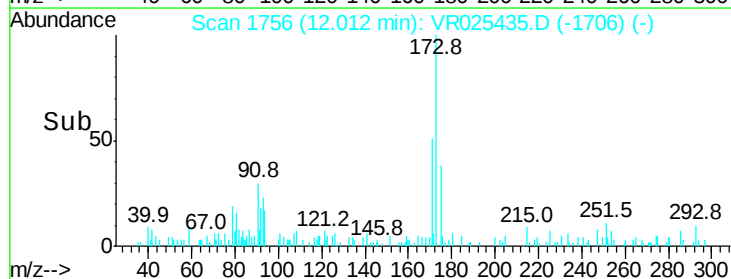
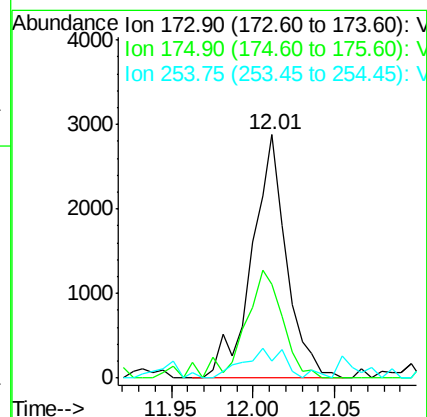
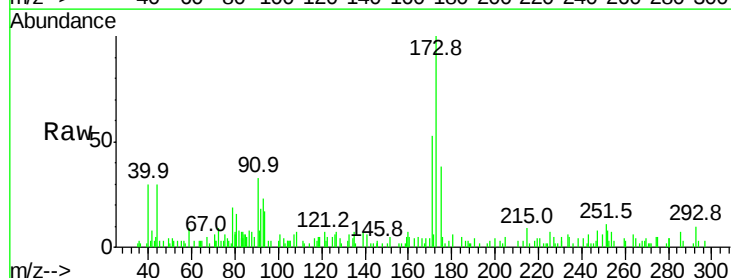
Tgt Ion: 173 Resp: 4268

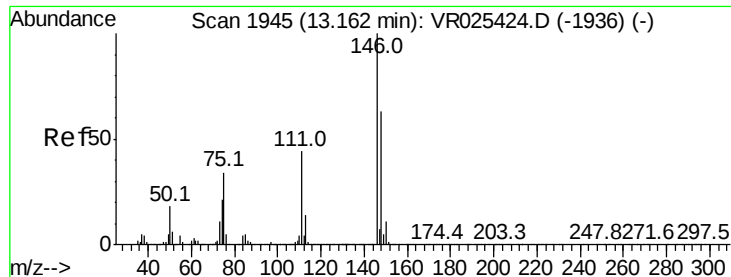
Ion Ratio Lower Upper

173 100

175 48.8 37.5 56.3

254 13.8 8.7 13.1#





#62

1,3-Dichlorobenzene

Concen: 0.381 ug/L

RT: 13.16 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VR025435.D

Acq: 5 Jul 2018 12:21

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.581

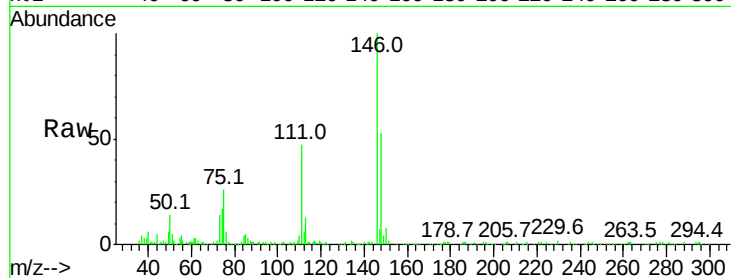
Tgt Ion:146 Resp: 28405

Ion Ratio Lower Upper

146 100

111 46.8 31.0 57.6

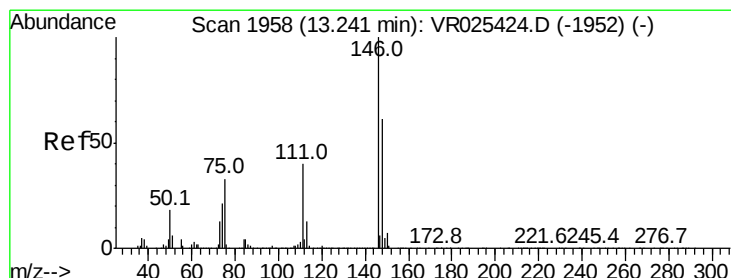
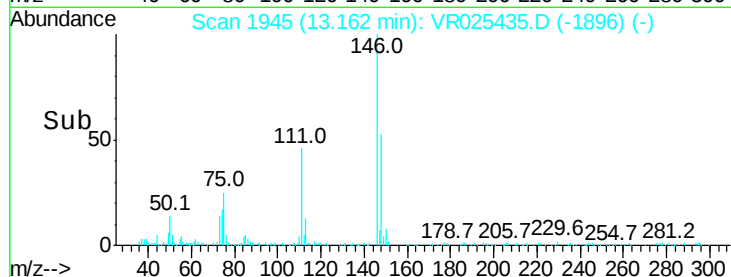
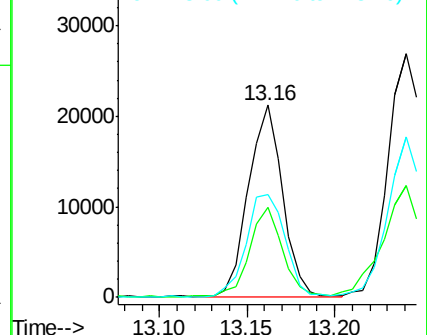
148 53.3 44.8 83.2



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: 0.505 ug/L

RT: 13.24 min Scan# 1958

Delta R.T. 0.00 min

Lab File: VR025435.D

Acq: 5 Jul 2018 12:21

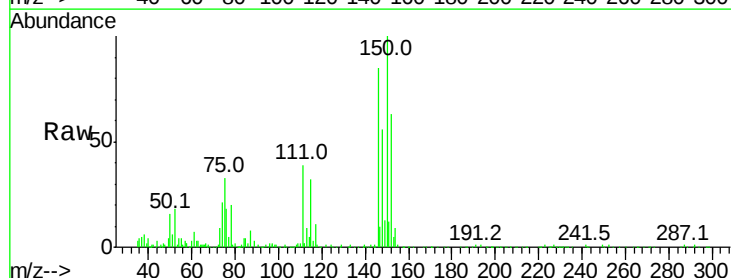
Tgt Ion:146 Resp: 37645

Ion Ratio Lower Upper

146 100

111 45.7 30.5 56.7

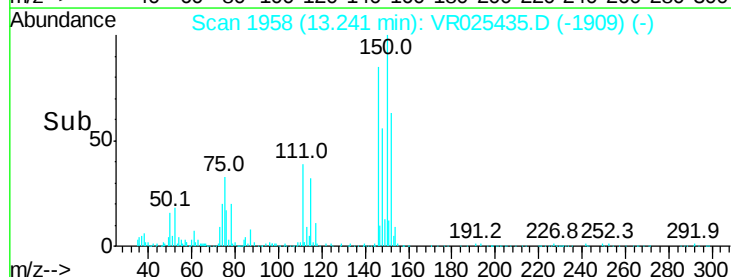
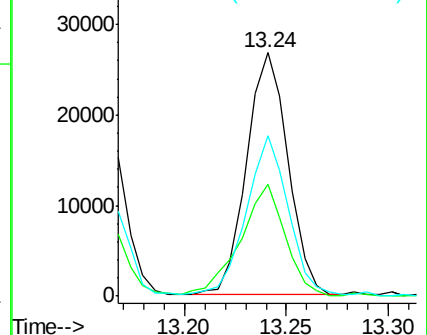
148 65.8 42.8 79.4

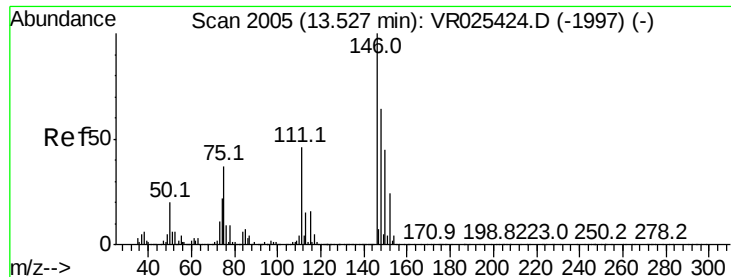


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

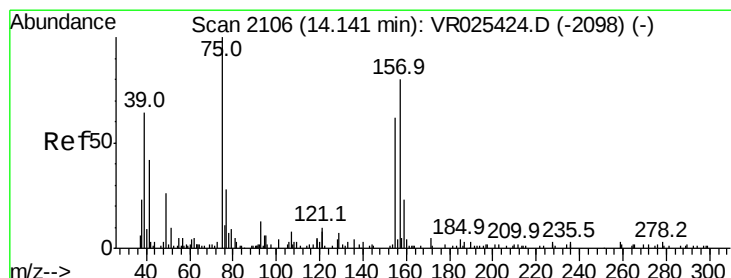
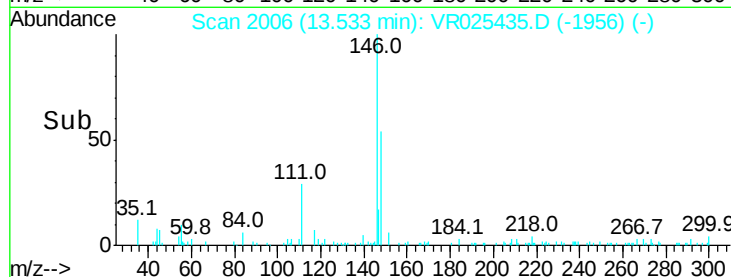
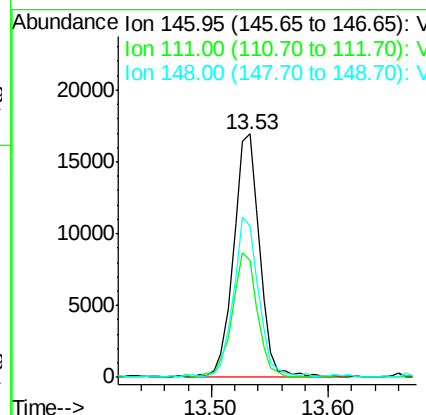
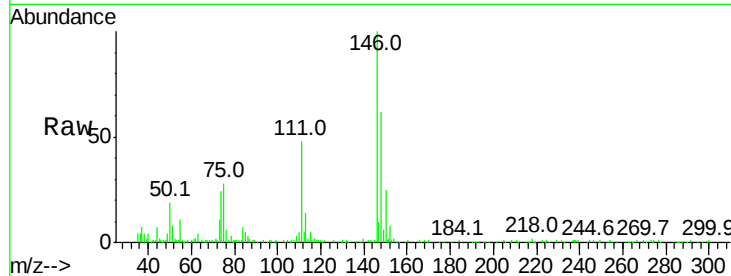




#65
 1,2-Dichlorobenzene
 Concen: 0.439 ug/L
 RT: 13.53 min Scan# 2006
 Delta R.T. 0.01 min
 Lab File: VR025435.D
 Acq: 5 Jul 2018 12:21

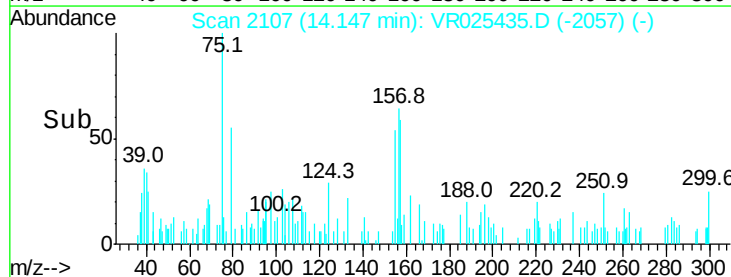
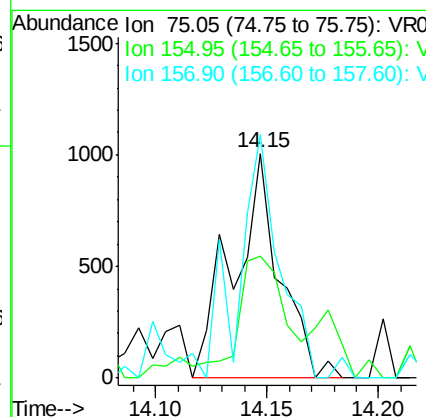
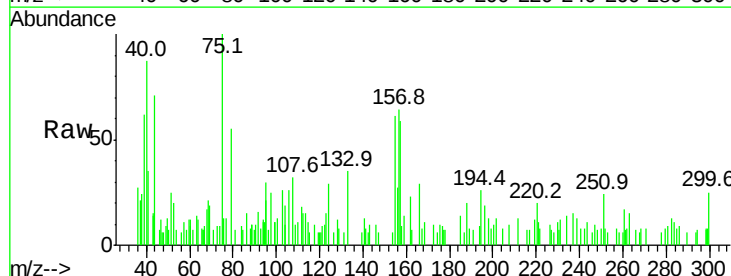
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.581

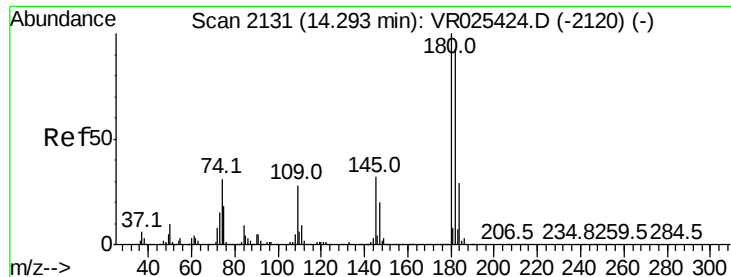
Tgt Ion: 146 Resp: 26254
 Ion Ratio Lower Upper
 146 100
 111 47.9 35.8 53.8
 148 62.3 50.4 75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.620 ug/L
 RT: 14.15 min Scan# 2107
 Delta R.T. 0.01 min
 Lab File: VR025435.D
 Acq: 5 Jul 2018 12:21

Tgt Ion: 75 Resp: 1463
 Ion Ratio Lower Upper
 75 100
 155 54.3 74.1 111.1#
 157 108.4 71.0 106.6#

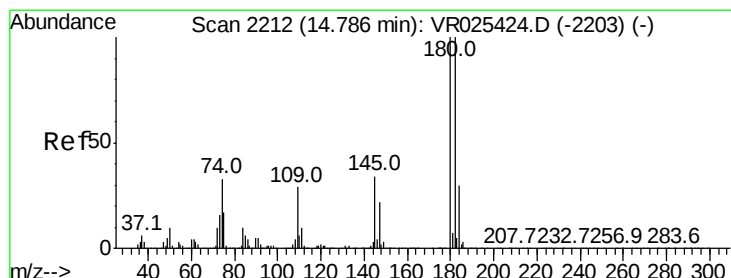
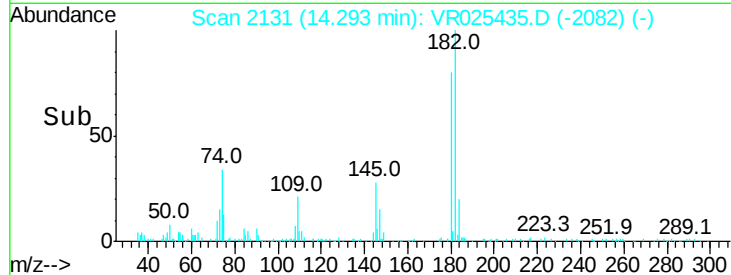
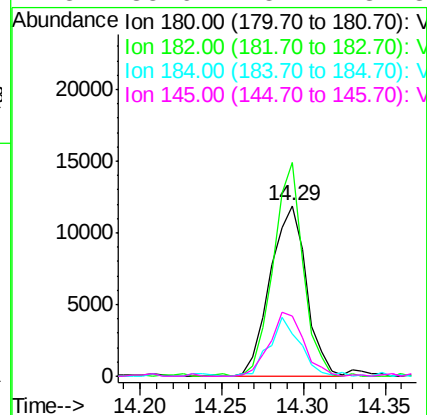
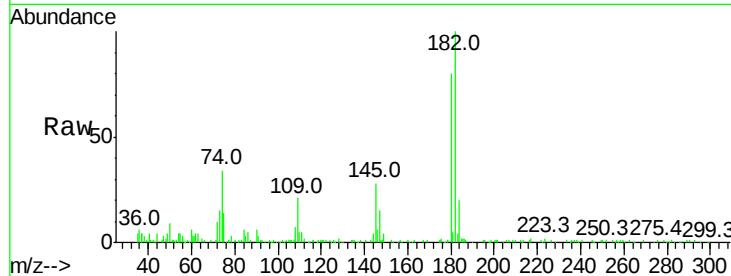




#67
 1,3,5-Trichlorobenzene
 Concen: 0.372 ug/L
 RT: 14.29 min Scan# 2131
 Delta R.T. 0.00 min
 Lab File: VR025435.D
 Acq: 5 Jul 2018 12:21

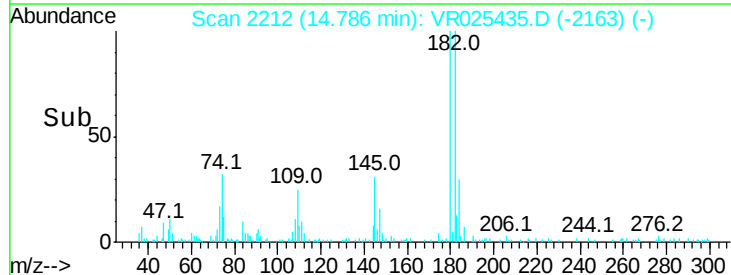
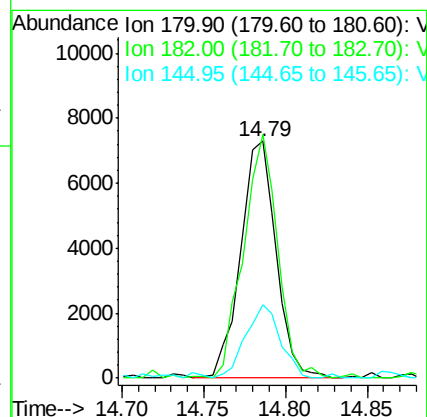
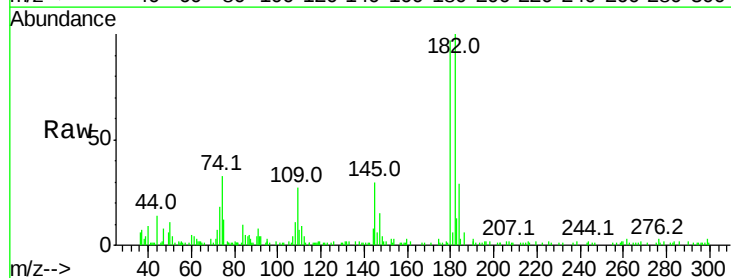
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.581

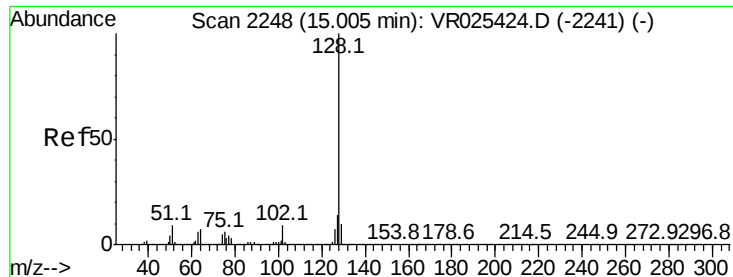
Tgt Ion:	180	Resp:	18369
Ion	Ratio	Lower	Upper
180	100		
182	102.8	76.0	114.0
184	30.0	24.5	36.7
145	35.6	25.2	37.8



#68
 1,2,4-trichlorobenzene
 Concen: 0.321 ug/L
 RT: 14.79 min Scan# 2212
 Delta R.T. 0.00 min
 Lab File: VR025435.D
 Acq: 5 Jul 2018 12:21

Tgt Ion:	180	Resp:	11047
Ion	Ratio	Lower	Upper
180	100		
182	98.8	75.0	112.4
145	30.4	27.3	40.9





#69

Naphthalene

Concen: 0.261 ug/L

RT: 15.00 min Scan# 2248

Delta R.T. -0.00 min

Lab File: VR025435.D

Acq: 5 Jul 2018 12:21

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.581

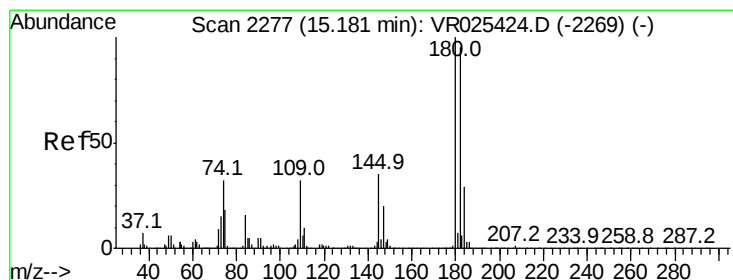
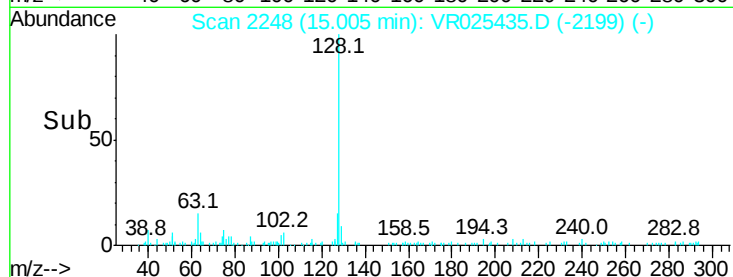
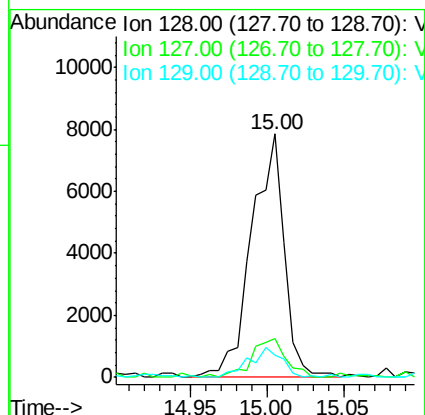
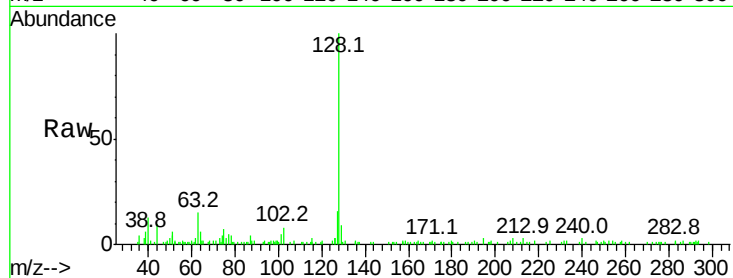
Tgt Ion:128 Resp: 11684

Ion Ratio Lower Upper

128 100

127 16.6 10.2 15.4#

129 12.3 8.6 13.0



#70

1,2,3-Trichlorobenzene

Concen: 0.324 ug/L

RT: 15.18 min Scan# 2276

Delta R.T. -0.01 min

Lab File: VR025435.D

Acq: 5 Jul 2018 12:21

Tgt Ion:180 Resp: 8613

Ion Ratio Lower Upper

180 100

182 97.4 75.2 112.8

145 44.2 28.2 42.2#

