

Data File : VR025623.D
Acq On : 21 Aug 2018 12:04
Operator : SY/MD
Sample : VSTD0.581
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.581

Quant Time: Aug 21 16:35:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR082118WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Aug 21 16:35:04 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	569267	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	472149	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	162600	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	17776	0.46	ug/L	0.00
7) Chloroethane-d5	2.61	69	16621	0.59	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.62	63	44668	0.49	ug/L	0.00
20) 2-Butanone-d5	6.66	46	1529	0.41	ug/L	0.07
24) Chloroform-d	7.21	84	30755	0.45	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.91	65	11925	0.47	ug/L	0.02
32) Benzene-d6	7.86	84	72288	0.56	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	18731	0.53	ug/L	0.00
41) Toluene-d8	9.97	98	61179	0.49	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	3697	0.43	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	9810	3.06	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.37	84	8672	0.47	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.51	152	12035	0.44	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	12571	0.378 ug/L	89
3) Chloromethane	2.00	50	22411	0.447 ug/L	87
5) Vinyl chloride	2.16	62	20970	0.465 ug/L	91
6) Bromomethane	2.52	94	15387	0.706 ug/L	98
8) Chloroethane	2.64	64	12142	0.510 ug/L	97
9) Trichlorofluoromethane	2.94	101	16028	0.245 ug/L #	7
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	19617	0.463 ug/L	98
12) 1,1-Dichloroethene	3.63	96	23282	0.497 ug/L	79
13) Acetone	3.76	43	1201	0.316 ug/L	96
14) Carbon disulfide	3.93	76	21280	0.220 ug/L #	93
15) Methyl Acetate	4.19	43	2651	0.265 ug/L #	77
16) Methylene chloride	4.41	84	20379	0.470 ug/L	89
17) Methyl tert-butyl Ether	4.90	73	17432	0.354 ug/L #	80
18) trans-1,2-Dichloroethene	4.88	96	21924	0.496 ug/L #	81
19) 1,1-Dichloroethane	5.70	63	33420	0.531 ug/L #	83
22) cis-1,2-Dichloroethene	6.67	96	15368	0.386 ug/L #	96
23) Bromochloromethane	7.06	128	5749	0.380 ug/L #	61
25) Chloroform	7.24	83	28429	0.431 ug/L	89
27) 1,2-Dichloroethane	8.00	62	9014	0.339 ug/L #	93
29) 1,1,1-Trichloroethane	7.42	97	21554	0.538 ug/L	98
30) Cyclohexane	7.52	56	24141	0.612 ug/L	94
31) Carbon tetrachloride	7.64	117	18872	0.448 ug/L	98
33) Benzene	7.91	78	73299	0.498 ug/L	100
34) Trichloroethene	8.70	95	18276	0.523 ug/L	82
35) Methylcyclohexane	8.96	83	24801	0.523 ug/L	98
37) 1,2-Dichloropropane	8.99	63	17705	0.526 ug/L #	88
38) Bromodichloromethane	9.28	83	15625	0.466 ug/L #	83
39) cis-1,3-Dichloropropene	9.72	75	14739	0.444 ug/L	98
40) 4-Methyl-2-pentanone	9.86	43	28959	2.861 ug/L	98
42) Toluene	10.03	91	64985	0.409 ug/L	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	10.27	75	9653	0.392	ug/L	93
45) 1,1,2-Trichloroethane	10.45	97	8185	0.459	ug/L #	86
47) Tetrachloroethene	10.51	164	14680	0.476	ug/L	80
48) 2-Hexanone	10.63	43	18608	2.622	ug/L #	97
49) Dibromochloromethane	10.78	129	6994	0.331	ug/L	82
50) 1,2-Dibromoethane	10.89	107	5514	0.362	ug/L #	92
51) Chlorobenzene	11.31	112	50016	0.494	ug/L	98
52) Ethylbenzene	11.39	91	70109	0.438	ug/L	95
53) m,p-Xylene	11.51	106	27959	0.441	ug/L	93
54) o-Xylene	11.83	106	21225	0.359	ug/L	98
55) Styrene	11.85	104	32881	0.337	ug/L	94
56) Isopropylbenzene	12.13	105	54415	0.383	ug/L	96
58) 1,1,2,2-Tetrachloroethane	12.38	83	6826	0.381	ug/L	99
59) 1,2,3-Trichloropropane	12.44	75	5202	0.466	ug/L #	70
61) Bromoform	12.01	173	3032	0.400	ug/L #	97
62) 1,3-Dichlorobenzene	13.16	146	22133	0.472	ug/L	90
63) 1,4-Dichlorobenzene	13.25	146	28078	0.496	ug/L	90
65) 1,2-Dichlorobenzene	13.53	146	20507	0.459	ug/L #	81
66) 1,2-Dibromo-3-chloropropan	14.15	75	446	0.333	ug/L	87
67) 1,3,5-Trichlorobenzene	14.29	180	11230	0.356	ug/L #	85
68) 1,2,4-trichlorobenzene	14.79	180	7542	0.388	ug/L	99
69) Naphthalene	15.00	128	7640	0.336	ug/L #	89
70) 1,2,3-Trichlorobenzene	15.18	180	5810	0.352	ug/L	93

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

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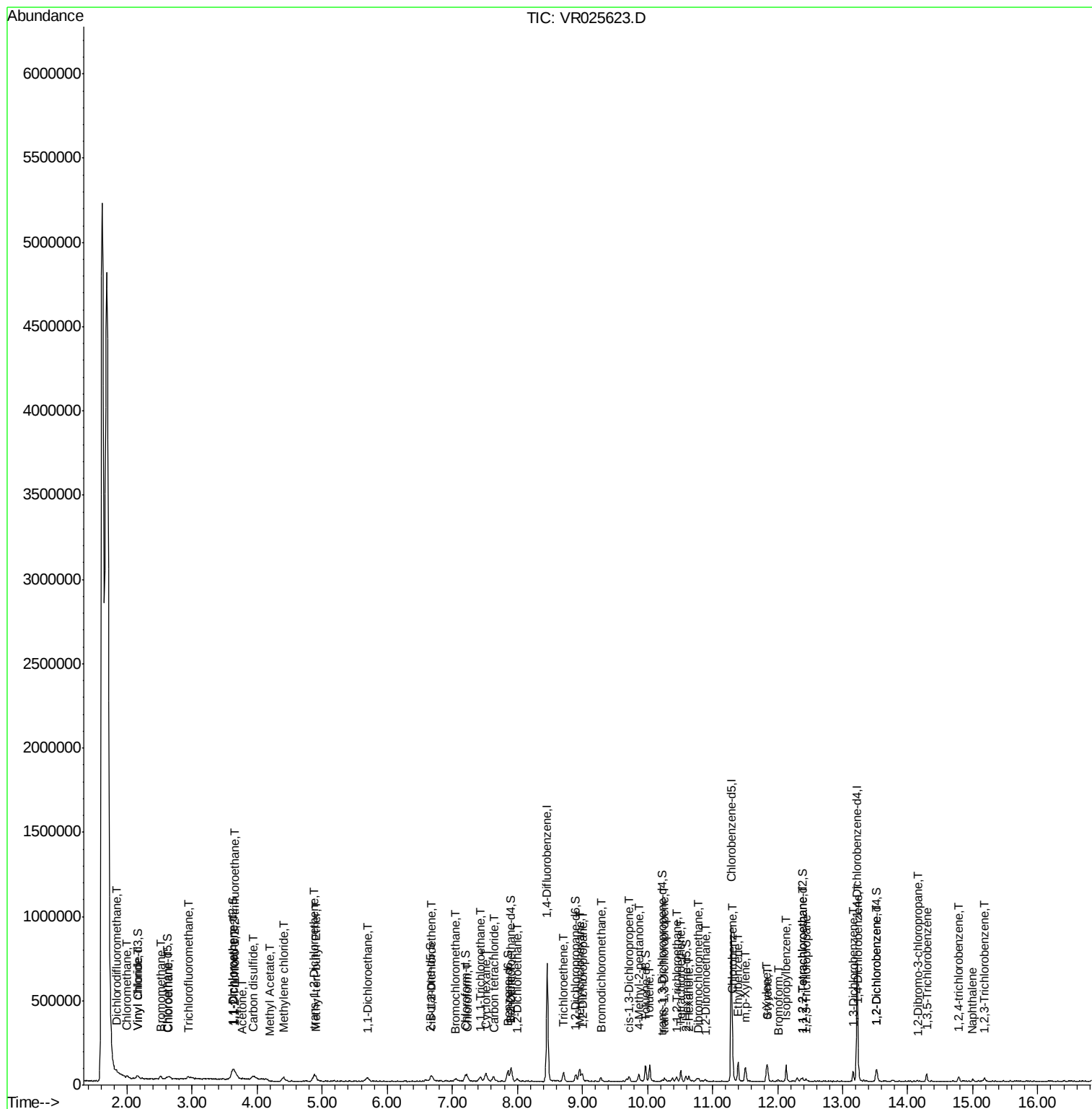
Quant Time: Aug 21 16:35:09 2018

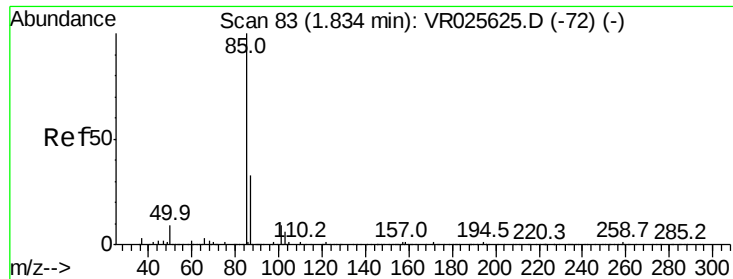
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR082118WMA.M

Quant Title : TRACE VOA SOM01.0

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#2

Dichlorodifluoromethane

Concen: 0.378 ug/L

RT: 1.83 min Scan# 83

Delta R.T. 0.00 min

Lab File: VR025623.D

Acq: 21 Aug 2018 12:04

Instrument :

MSVOA_R

ClientSampleId :

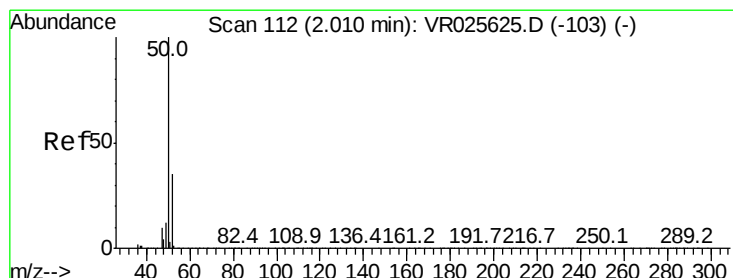
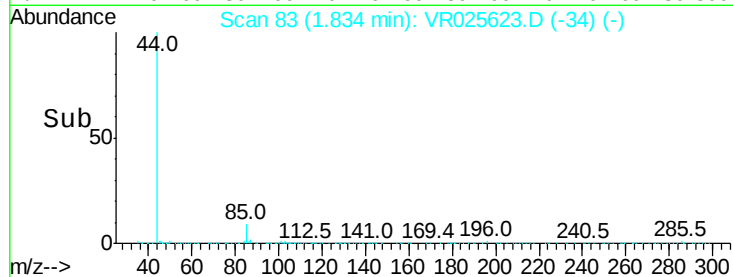
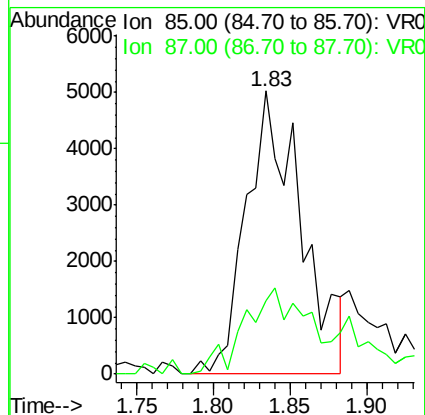
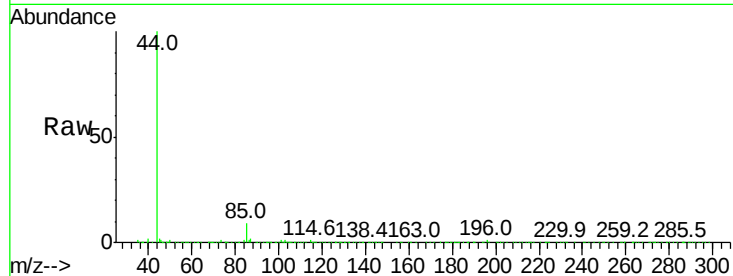
VSTD0.581

Tgt Ion: 85 Resp: 12571

Ion Ratio Lower Upper

85 100

87 35.2 23.5 35.3



#3

Chloromethane

Concen: 0.447 ug/L

RT: 2.00 min Scan# 111

Delta R.T. -0.01 min

Lab File: VR025623.D

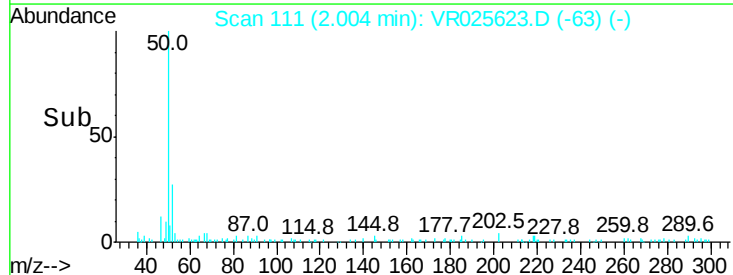
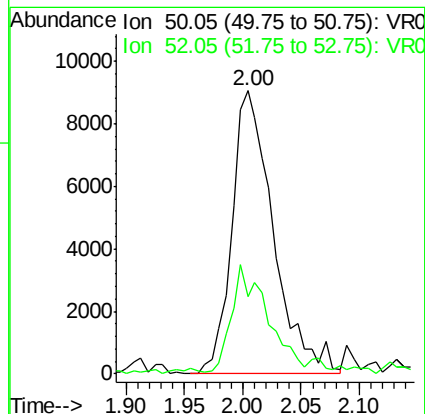
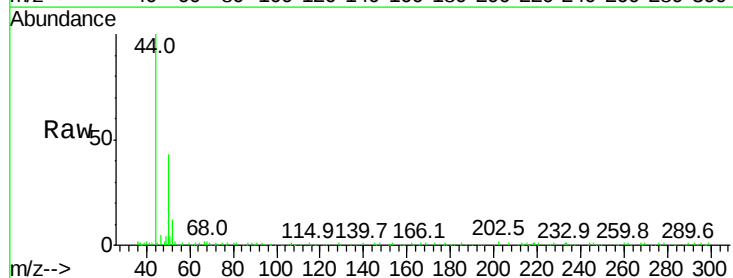
Acq: 21 Aug 2018 12:04

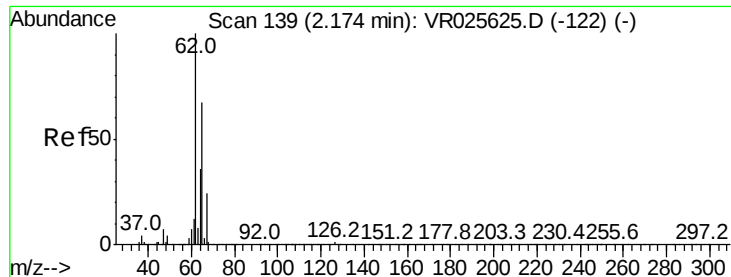
Tgt Ion: 50 Resp: 22411

Ion Ratio Lower Upper

50 100

52 27.2 24.2 45.0





#5

Vinyl chloride

Concen: 0.465 ug/L

RT: 2.16 min Scan# 137

Delta R.T. -0.01 min

Lab File: VR025623.D

Acq: 21 Aug 2018 12:04

Instrument :

MSVOA_R

ClientSampleId :

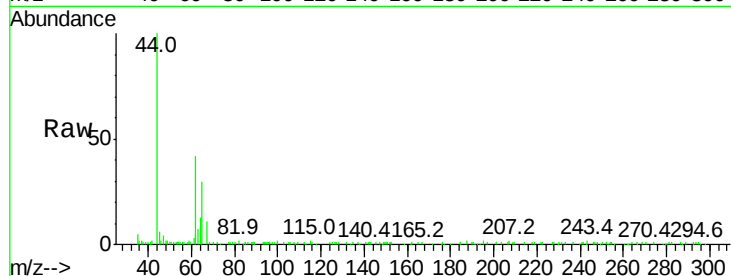
VSTD0.581

Tgt Ion: 62 Resp: 20970

Ion Ratio Lower Upper

62 100

64 31.4 25.6 47.4



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0

2.16

8000

6000

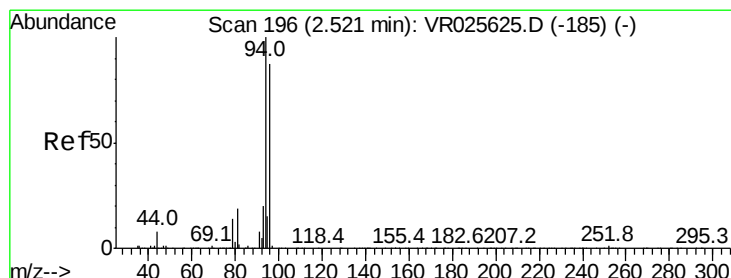
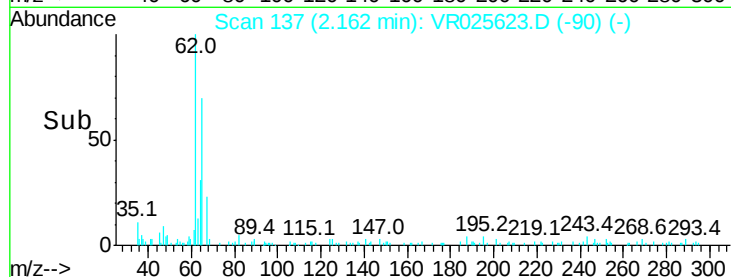
4000

2000

0

Time-->

2.10 2.20 2.30



#6

Bromomethane

Concen: 0.706 ug/L

RT: 2.52 min Scan# 195

Delta R.T. -0.01 min

Lab File: VR025623.D

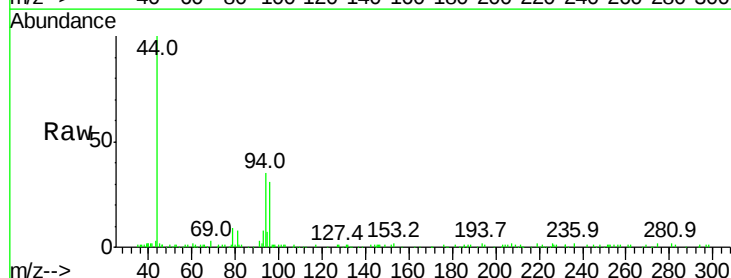
Acq: 21 Aug 2018 12:04

Tgt Ion: 94 Resp: 15387

Ion Ratio Lower Upper

94 100

96 88.2 60.8 112.8



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0

2.52

6000

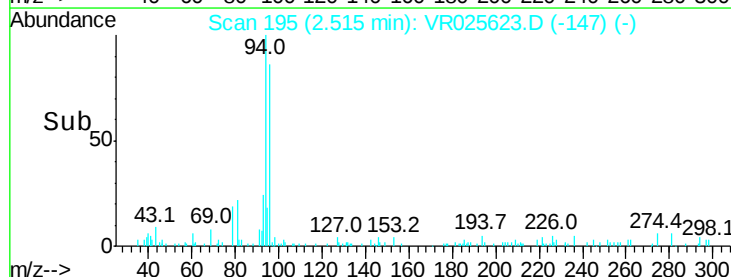
4000

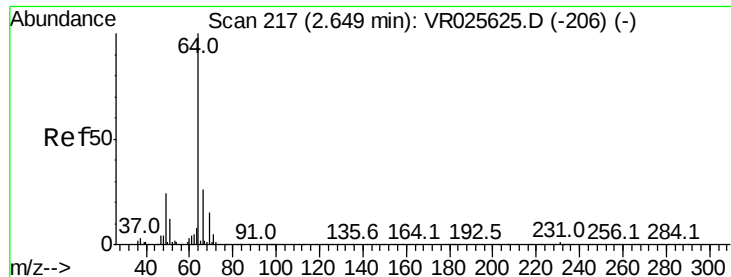
2000

0

Time-->

2.40 2.50 2.60

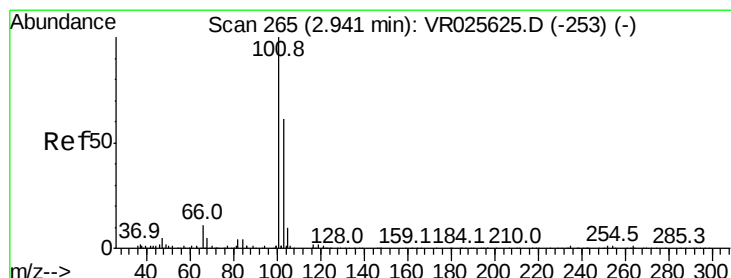
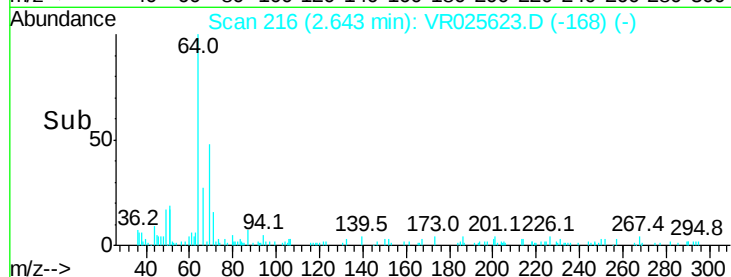
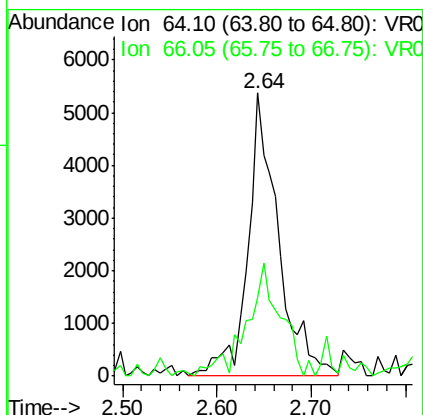
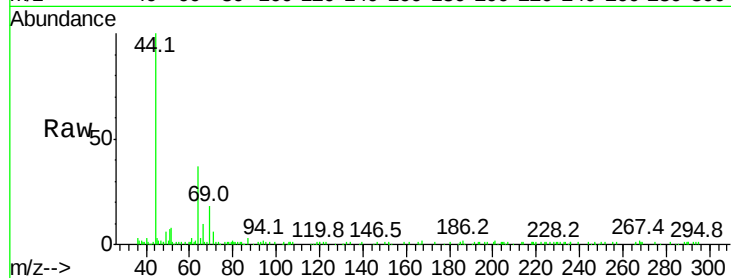




#8
Chloroethane
Concen: 0.510 ug/L
RT: 2.64 min Scan# 216
Delta R.T. -0.01 min
Lab File: VR025623.D
Acq: 21 Aug 2018 12:04

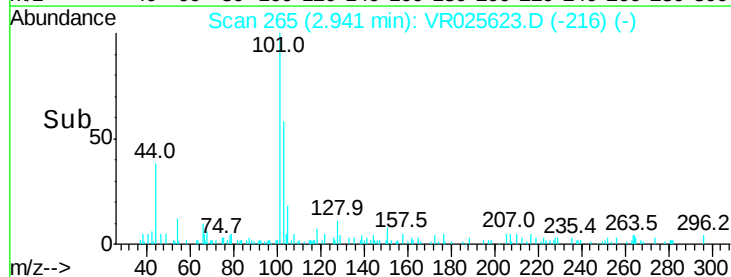
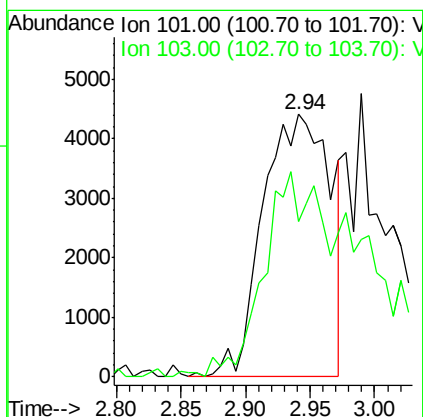
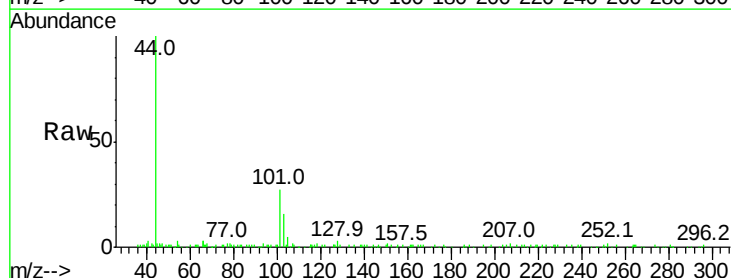
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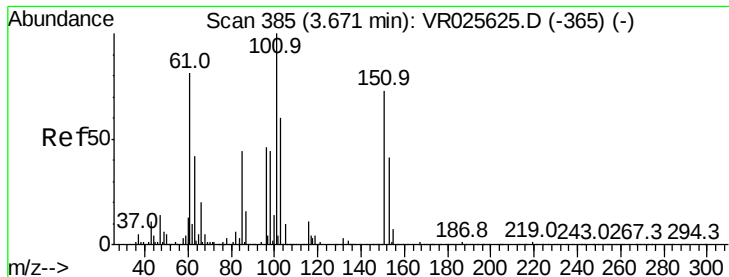
Tgt Ion: 64 Resp: 12142
Ion Ratio Lower Upper
64 100
66 27.6 18.2 33.8



#9
Trichlorofluoromethane
Concen: 0.245 ug/L
RT: 2.94 min Scan# 265
Delta R.T. 0.00 min
Lab File: VR025623.D
Acq: 21 Aug 2018 12:04

Tgt Ion: 101 Resp: 16028
Ion Ratio Lower Upper
101 100
103 63.5 16.4 24.6#





#10

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

Concen: 0.463 ug/L

RT: 3.67 min Scan# 384

Delta R.T. -0.01 min

Lab File: VR025623.D

Acq: 21 Aug 2018 12:04

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.581

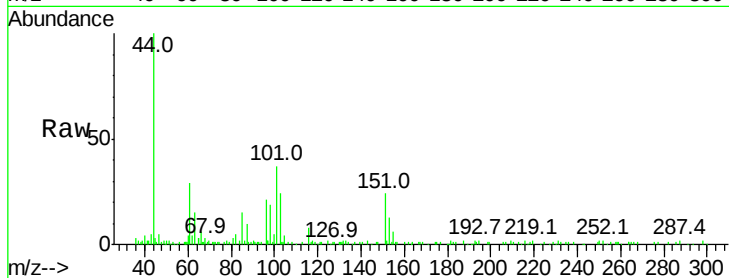
Tgt Ion:101 Resp: 19617

Ion Ratio Lower Upper

101 100

85 46.6 35.6 53.4

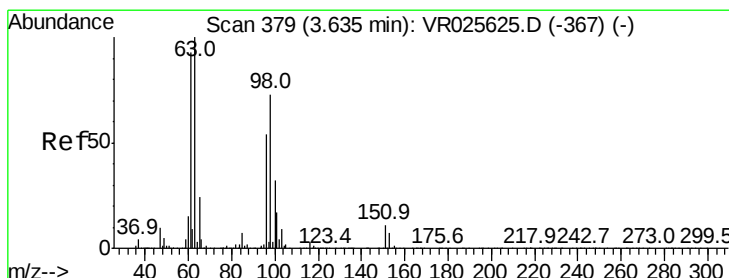
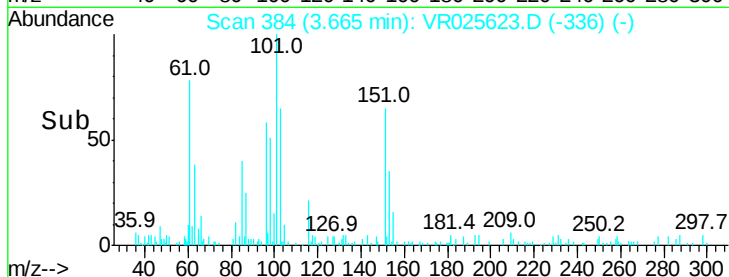
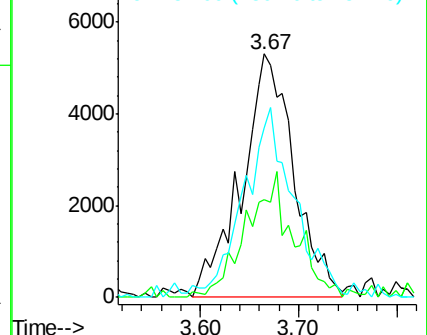
151 74.9 59.1 88.7



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: 0.497 ug/L

RT: 3.63 min Scan# 379

Delta R.T. 0.00 min

Lab File: VR025623.D

Acq: 21 Aug 2018 12:04

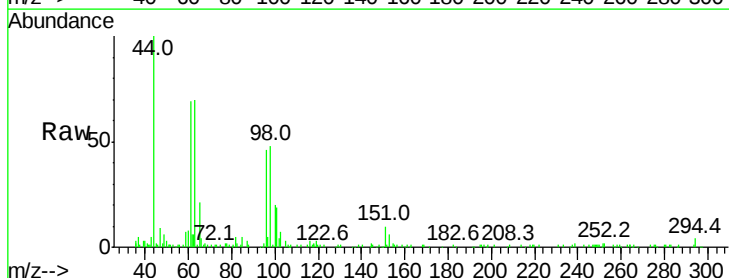
Tgt Ion: 96 Resp: 23282

Ion Ratio Lower Upper

96 100

61 148.9 119.8 222.6

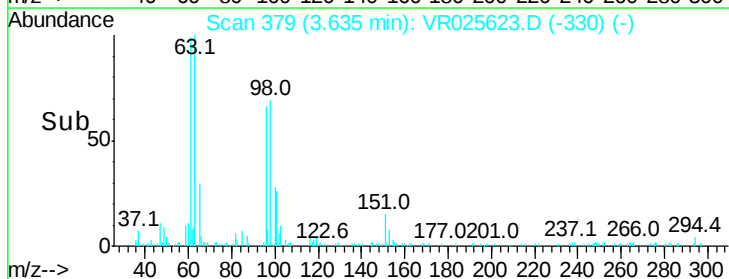
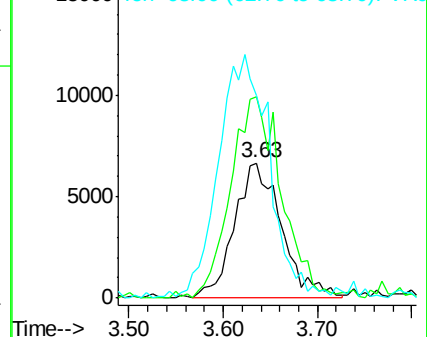
63 149.9 131.1 243.5

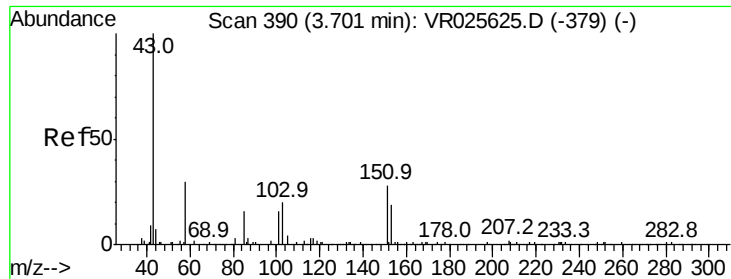


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0

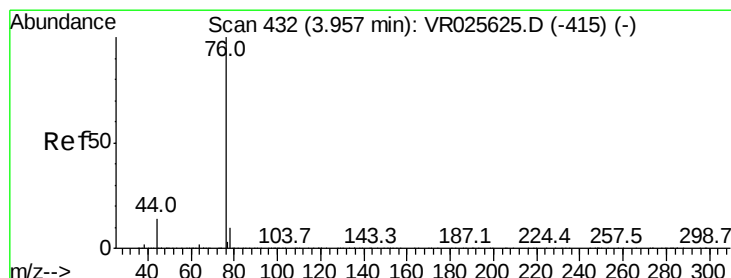
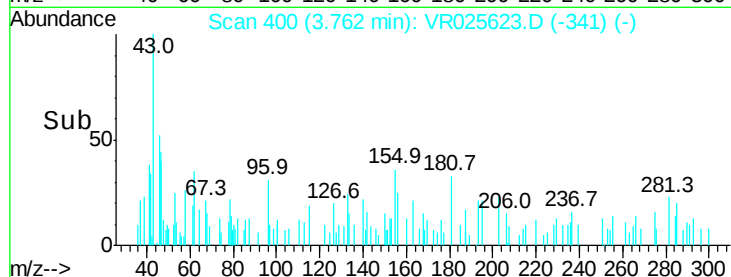
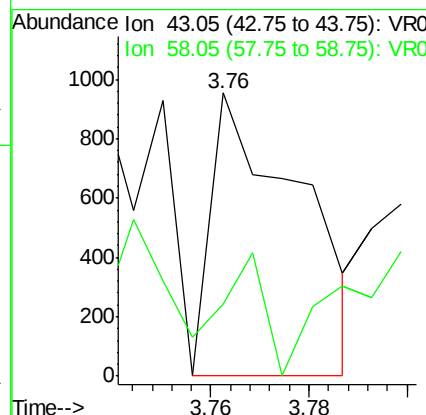
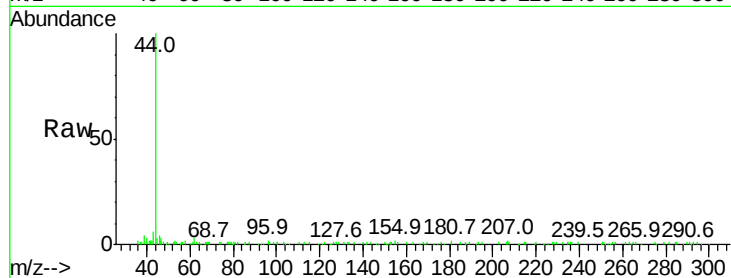




#13
Acetone
Concen: 0.316 ug/L
RT: 3.76 min Scan# 400
Delta R.T. 0.06 min
Lab File: VR025623.D
Acq: 21 Aug 2018 12:04

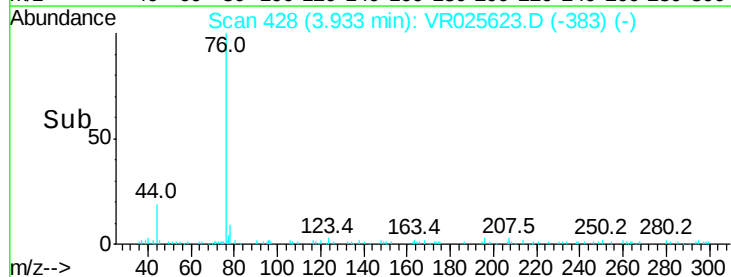
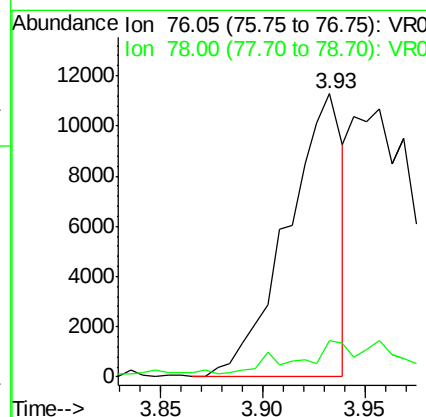
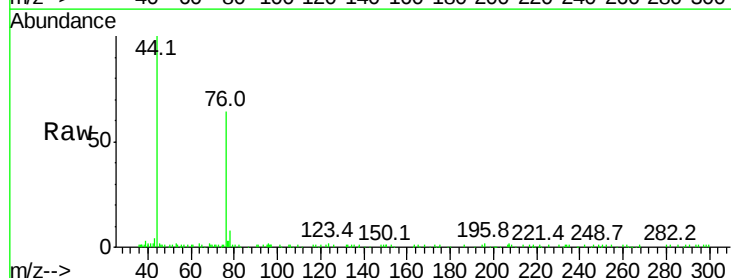
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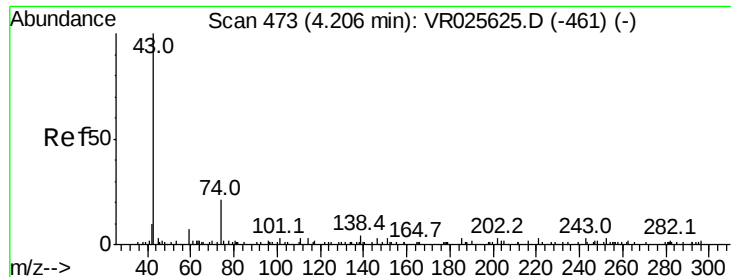
Tgt Ion: 43 Resp: 1201
Ion Ratio Lower Upper
43 100
58 29.6 0.0 63.4



#14
Carbon disulfide
Concen: 0.220 ug/L
RT: 3.93 min Scan# 428
Delta R.T. -0.02 min
Lab File: VR025623.D
Acq: 21 Aug 2018 12:04

Tgt Ion: 76 Resp: 21280
Ion Ratio Lower Upper
76 100
78 12.7 8.1 12.1#





#15

Methyl Acetate

Concen: 0.265 ug/L

RT: 4.19 min Scan# 470

Delta R.T. -0.02 min

Lab File: VR025623.D

Acq: 21 Aug 2018 12:04

Instrument :

MSVOA_R

ClientSampleId :

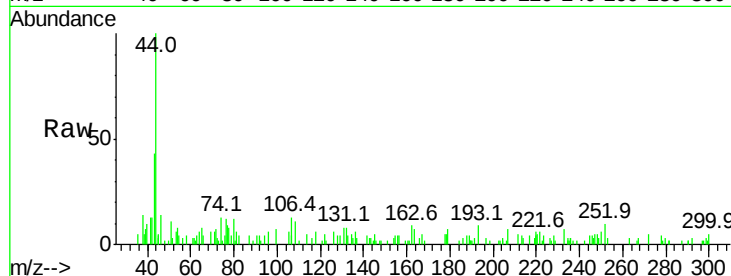
VSTD0.581

Tgt Ion: 43 Resp: 2651

Ion Ratio Lower Upper

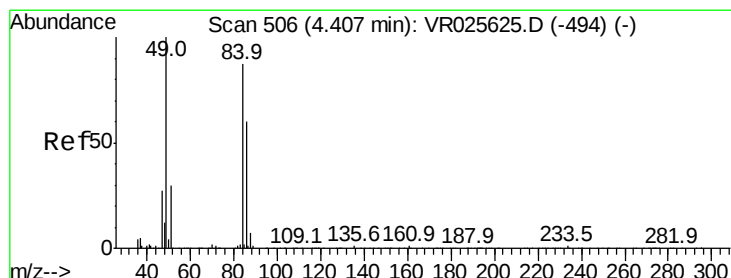
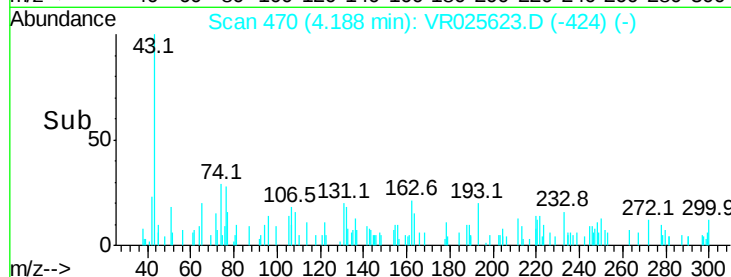
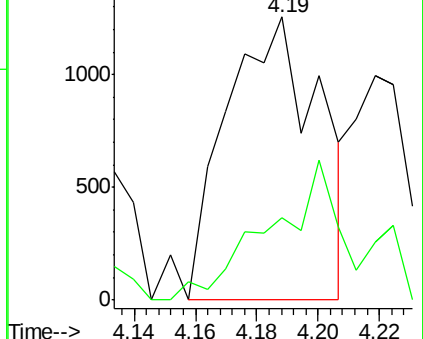
43 100

74 36.2 19.8 29.6#



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0



#16

Methylene chloride

Concen: 0.470 ug/L

RT: 4.41 min Scan# 506

Delta R.T. 0.00 min

Lab File: VR025623.D

Acq: 21 Aug 2018 12:04

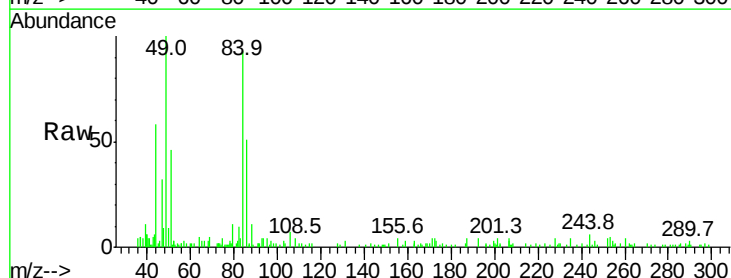
Tgt Ion: 84 Resp: 20379

Ion Ratio Lower Upper

84 100

86 54.1 47.9 88.9

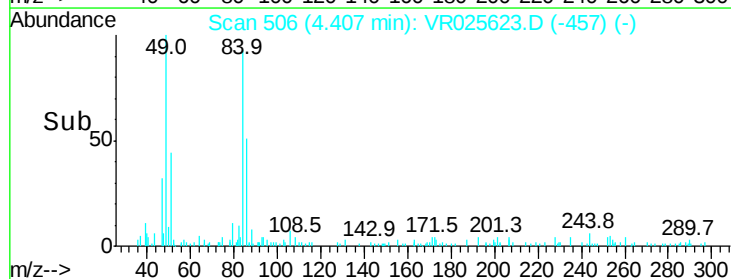
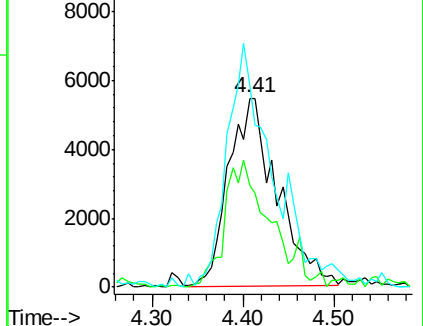
49 107.0 80.3 149.1

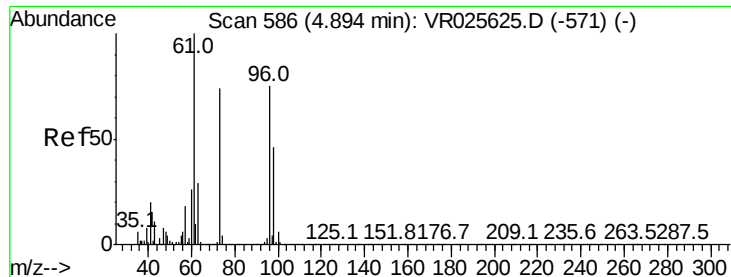


Abundance Ion 84.05 (83.75 to 84.75): VR0

Ion 86.00 (85.70 to 86.70): VR0

Ion 49.10 (48.80 to 49.80): VR0





#17

Methyl tert-butyl Ether

Concen: 0.354 ug/L

RT: 4.90 min Scan# 587

Delta R.T. 0.01 min

Lab File: VR025623.D

Acq: 21 Aug 2018 12:04

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.581

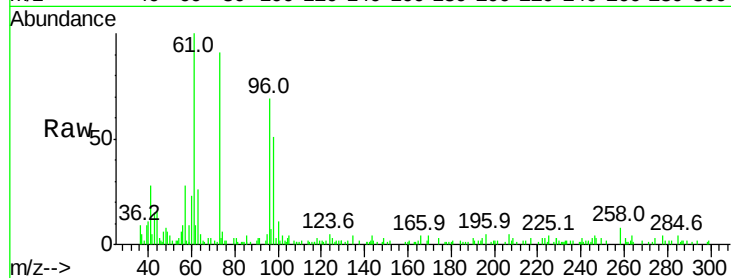
Tgt Ion: 73 Resp: 17432

Ion Ratio Lower Upper

73 100

43 10.2 14.8 22.2#

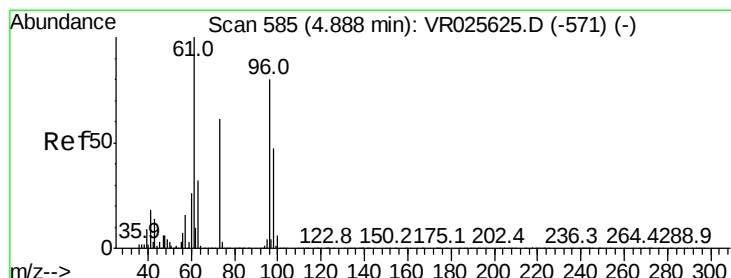
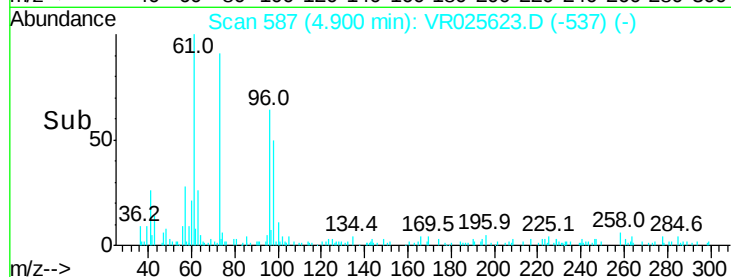
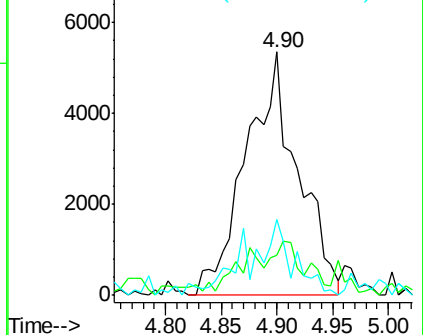
57 14.1 19.9 29.9#



Abundance Ion 73.10 (72.80 to 73.80): VR0

Ion 43.05 (42.75 to 43.75): VR0

Ion 57.10 (56.80 to 57.80): VR0



#18

trans-1,2-Dichloroethene

Concen: 0.496 ug/L

RT: 4.88 min Scan# 584

Delta R.T. -0.01 min

Lab File: VR025623.D

Acq: 21 Aug 2018 12:04

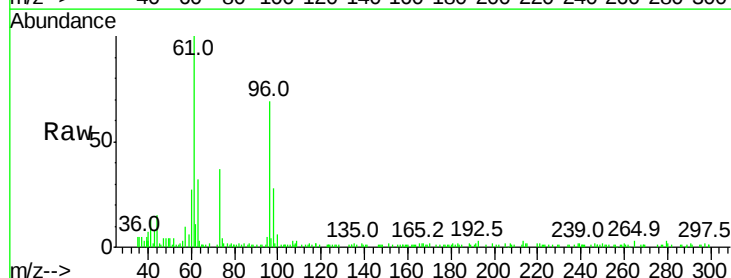
Tgt Ion: 96 Resp: 21924

Ion Ratio Lower Upper

96 100

61 144.5 87.5 162.5

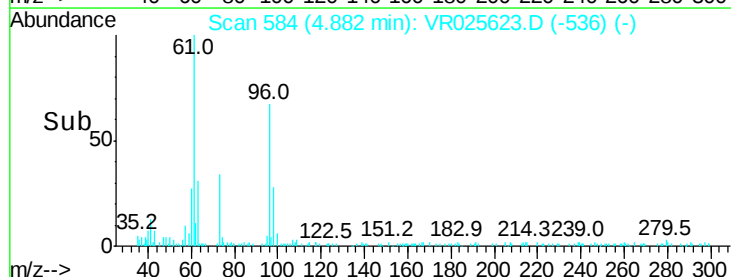
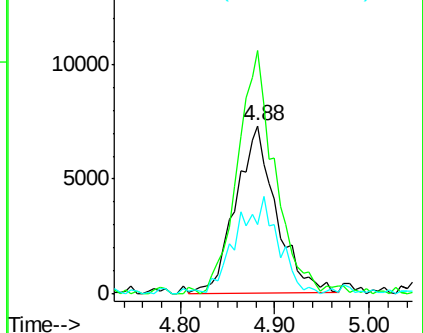
98 41.1 41.1 76.3#

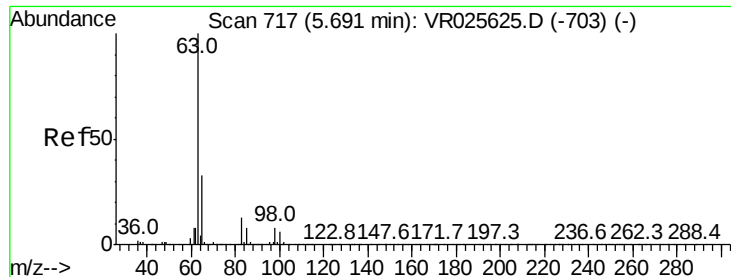


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 97.95 (97.65 to 98.65): VR0

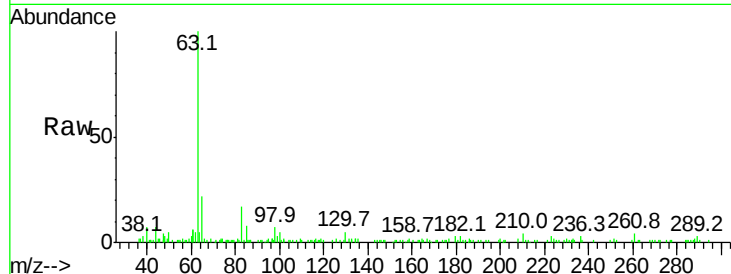




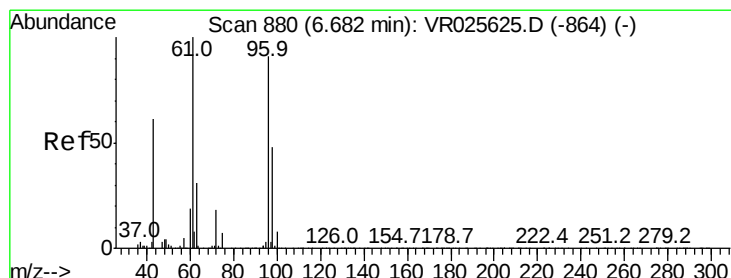
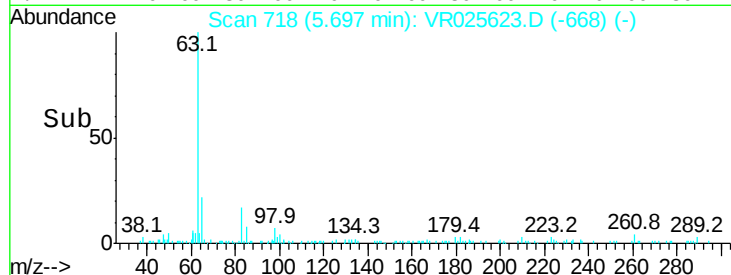
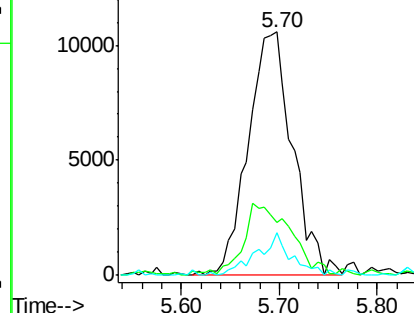
#19
 1,1-Dichloroethane
 Concen: 0.531 ug/L
 RT: 5.70 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VR025623.D
 Acq: 21 Aug 2018 12:04

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.581

Tgt Ion	Ratio	Lower	Upper
63	100		
65	21.6	22.9	42.5#
83	17.3	9.1	16.9#

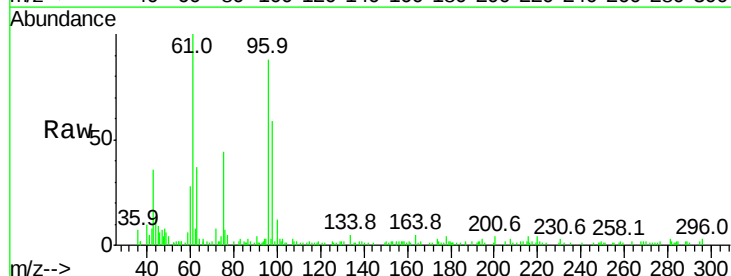


Abundance Ion 63.10 (62.80 to 63.80): VR0
 Ion 65.10 (64.80 to 65.80): VR0
 Ion 83.05 (82.75 to 83.75): VR0

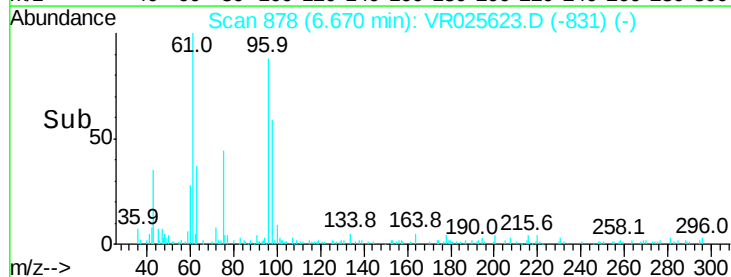
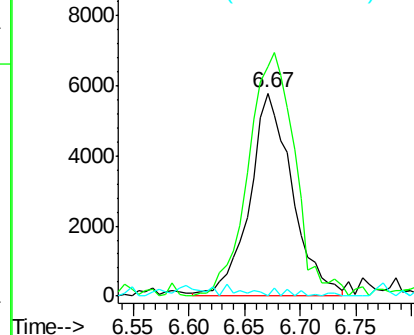


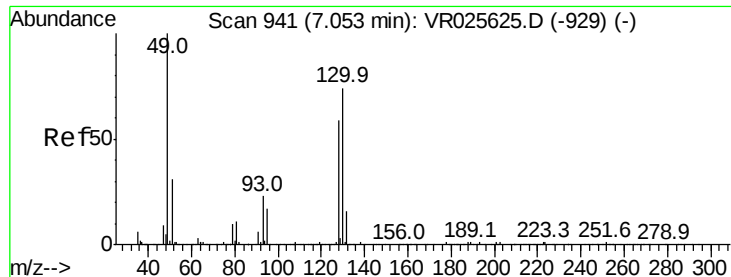
#22
 cis-1,2-Dichloroethene
 Concen: 0.386 ug/L
 RT: 6.67 min Scan# 878
 Delta R.T. -0.01 min
 Lab File: VR025623.D
 Acq: 21 Aug 2018 12:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	113.4	76.7	142.5
68	0.0	0.1	0.3#



Abundance Ion 96.00 (95.70 to 96.70): VR0
 Ion 61.05 (60.75 to 61.75): VR0
 Ion 68.15 (67.85 to 68.85): VR0





#23

Bromochloromethane

Concen: 0.380 ug/L

RT: 7.06 min Scan# 942

Delta R.T. 0.01 min

Lab File: VR025623.D

Acq: 21 Aug 2018 12:04

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.581

Tgt Ion:128 Resp: 5749

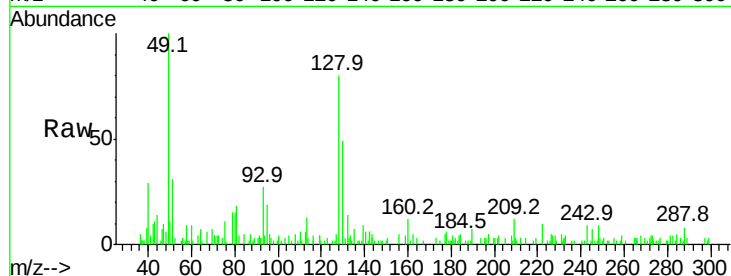
Ion Ratio Lower Upper

128 100

49 125.0 118.1 219.3

130 60.9 87.6 162.6#

51 38.2 41.3 61.9#

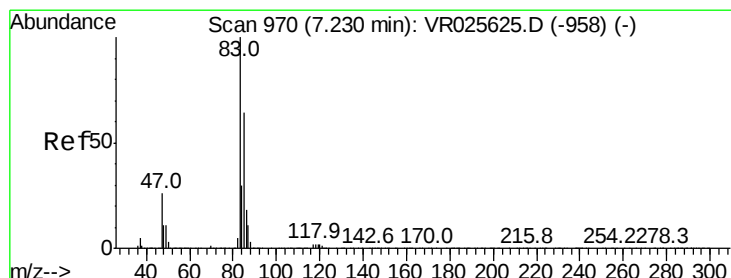
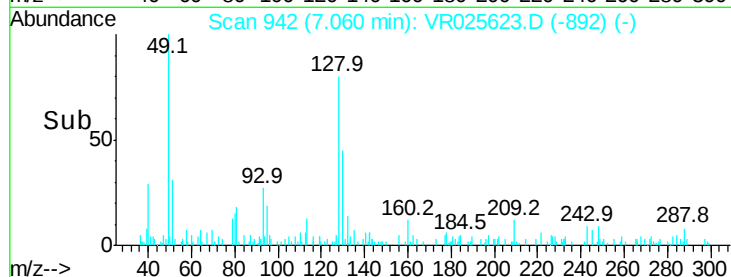
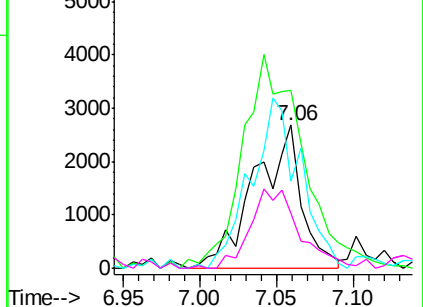


Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VR0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VR0



#25

Chloroform

Concen: 0.431 ug/L

RT: 7.24 min Scan# 971

Delta R.T. 0.01 min

Lab File: VR025623.D

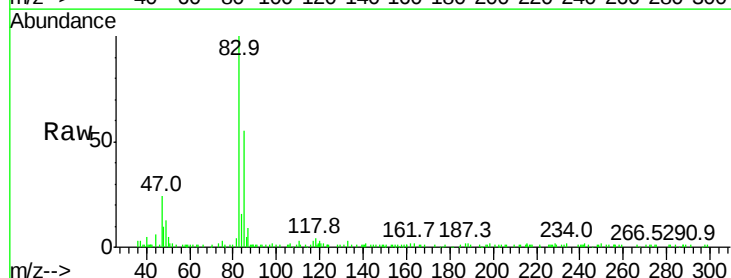
Acq: 21 Aug 2018 12:04

Tgt Ion: 83 Resp: 28429

Ion Ratio Lower Upper

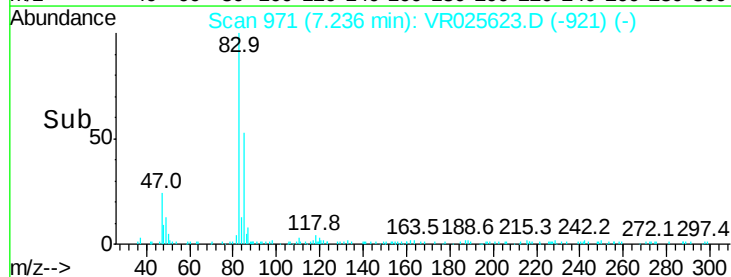
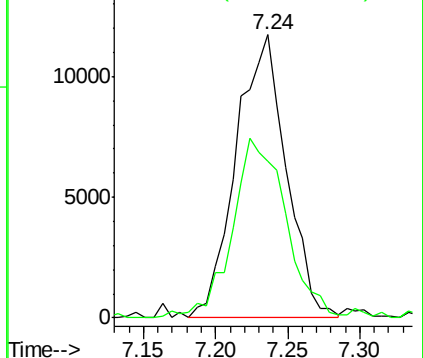
83 100

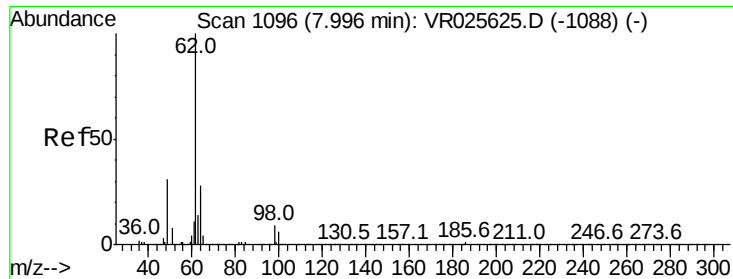
85 55.4 45.1 83.7



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0





#27

1,2-Dichloroethane

Concen: 0.339 ug/L

RT: 8.00 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VR025623.D

Acq: 21 Aug 2018 12:04

Instrument :

MSVOA_R

ClientSampleId :

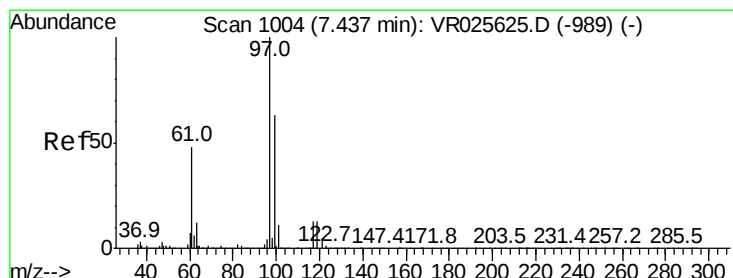
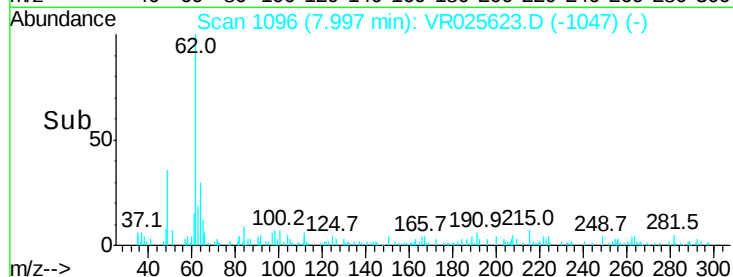
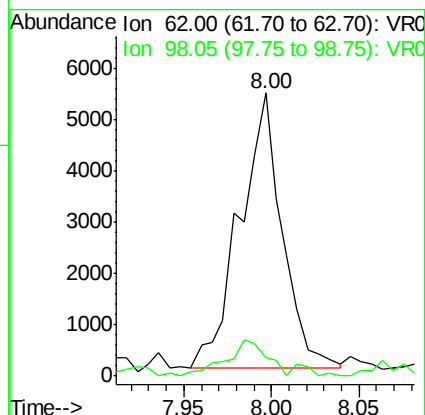
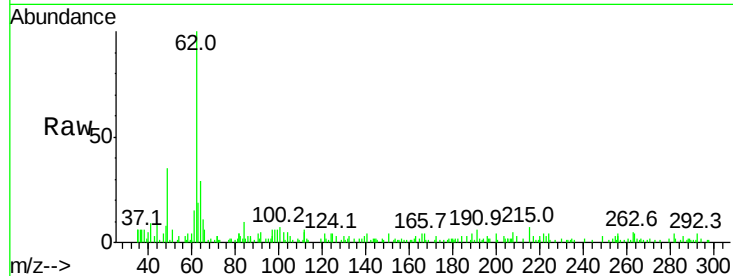
VSTD0.581

Tgt Ion: 62 Resp: 9014

Ion Ratio Lower Upper

62 100

98 6.5 7.1 10.7#



#29

1,1,1-Trichloroethane

Concen: 0.538 ug/L

RT: 7.42 min Scan# 1002

Delta R.T. -0.01 min

Lab File: VR025623.D

Acq: 21 Aug 2018 12:04

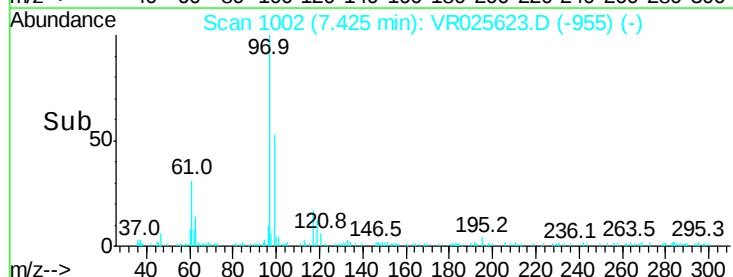
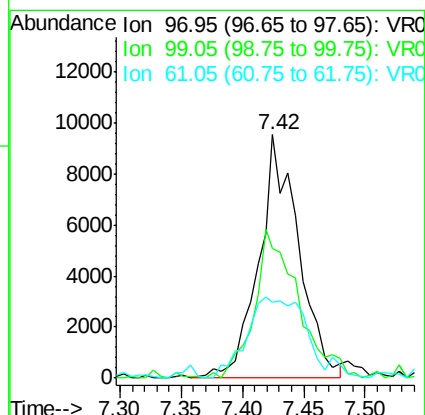
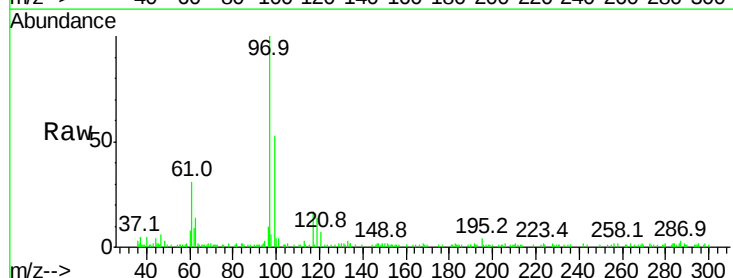
Tgt Ion: 97 Resp: 21554

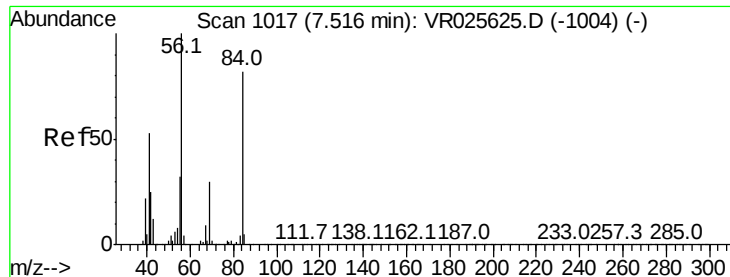
Ion Ratio Lower Upper

97 100

99 67.3 52.6 79.0

61 47.8 39.6 59.4

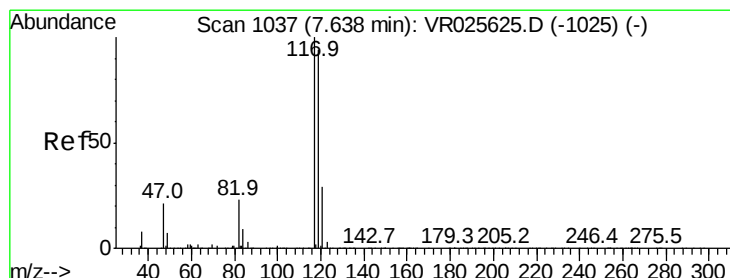
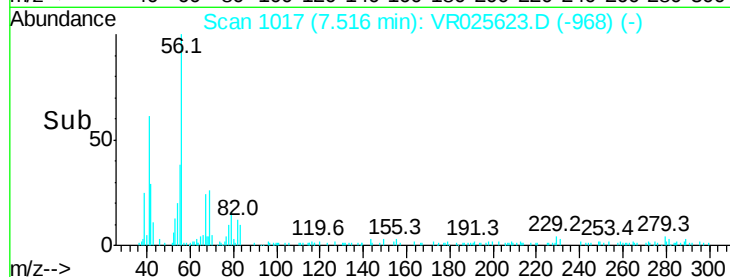
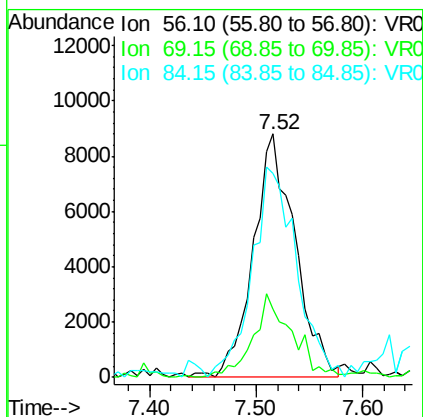
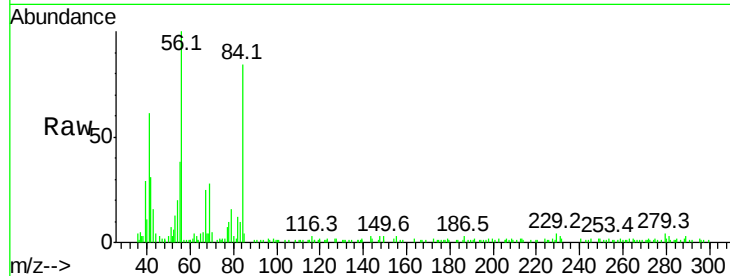




#30
Cyclohexane
Concen: 0.612 ug/L
RT: 7.52 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VR025623.D
Acq: 21 Aug 2018 12:04

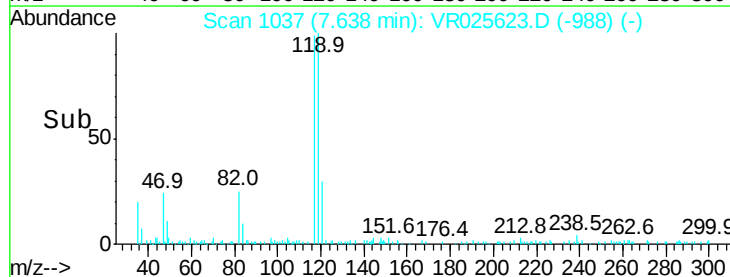
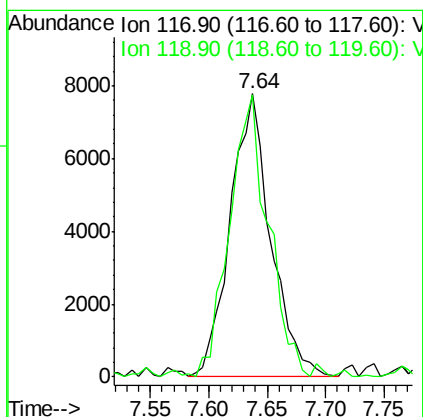
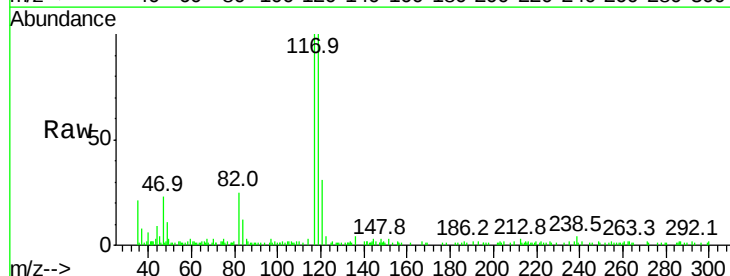
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.581

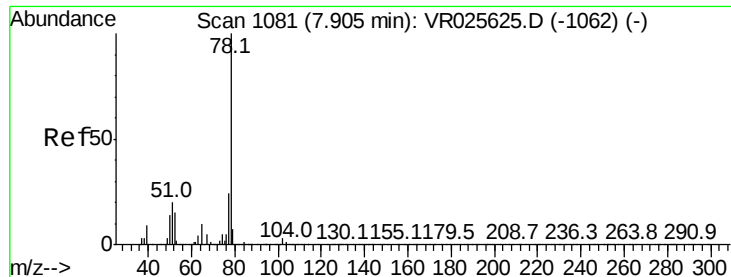
Tgt Ion: 56 Resp: 24141
Ion Ratio Lower Upper
56 100
69 31.9 23.8 35.8
84 91.3 68.2 102.4



#31
Carbon tetrachloride
Concen: 0.448 ug/L
RT: 7.64 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VR025623.D
Acq: 21 Aug 2018 12:04

Tgt Ion: 117 Resp: 18872
Ion Ratio Lower Upper
117 100
119 94.7 77.0 115.6





#33

Benzene

Concen: 0.498 ug/L

RT: 7.91 min Scan# 1081

Delta R.T. 0.00 min

Lab File: VR025623.D

Acq: 21 Aug 2018 12:04

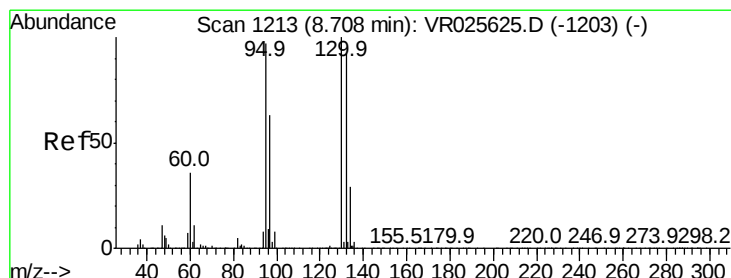
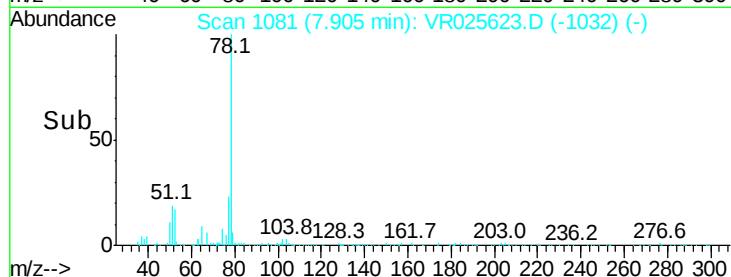
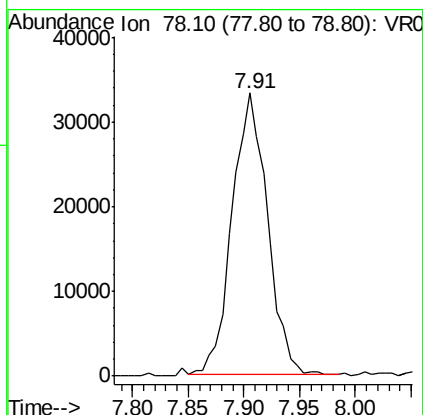
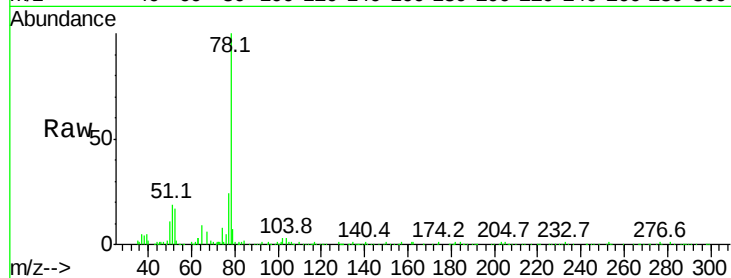
Instrument :

MSVOA_R

ClientSampleId :

VSTD0.581

Tgt Ion: 78 Resp: 73299



#34

Trichloroethene

Concen: 0.523 ug/L

RT: 8.70 min Scan# 1212

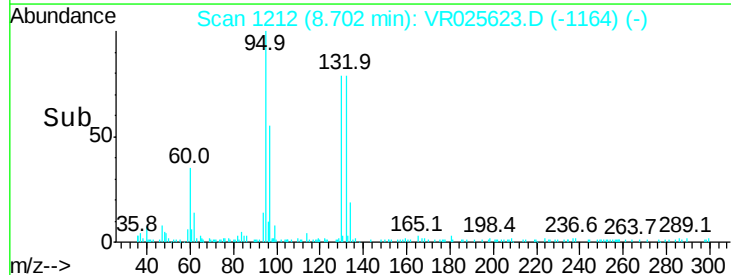
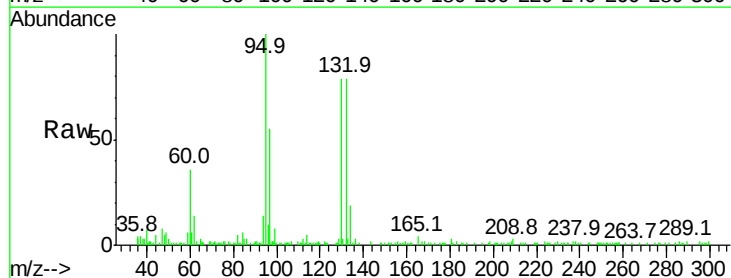
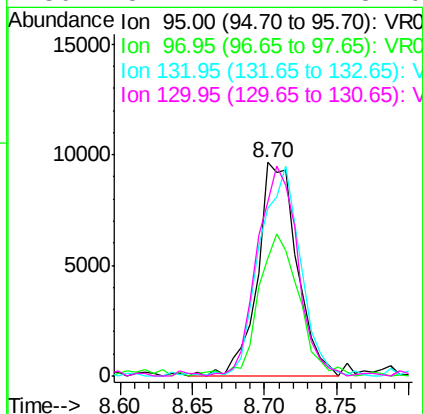
Delta R.T. -0.01 min

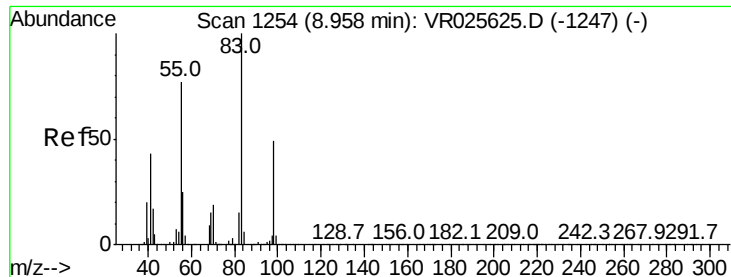
Lab File: VR025623.D

Acq: 21 Aug 2018 12:04

Tgt Ion: 95 Resp: 18276

Ion	Ratio	Lower	Upper
95	100		
97	55.4	45.7	84.9
132	78.6	66.6	123.6
130	81.2	72.2	134.0

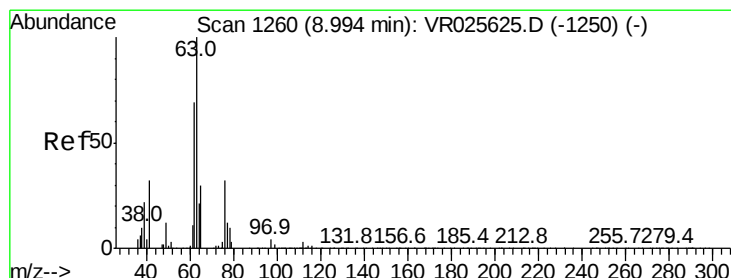
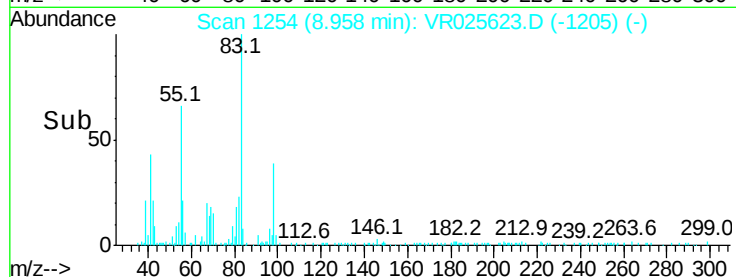
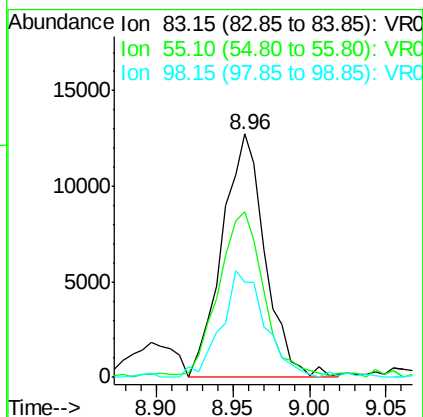
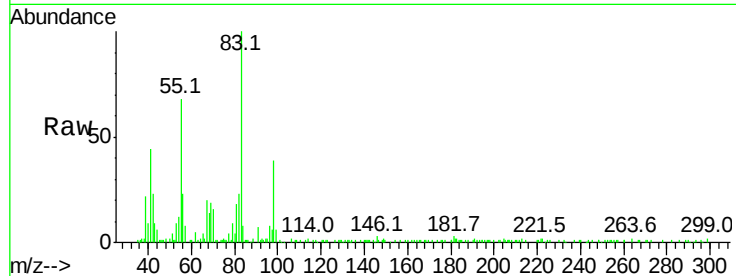




#35
Methylcyclohexane
Concen: 0.523 ug/L
RT: 8.96 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VR025623.D
Acq: 21 Aug 2018 12:04

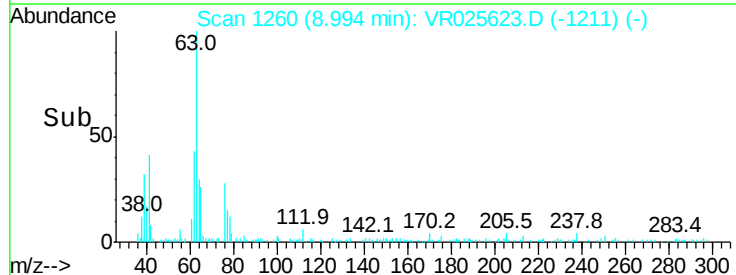
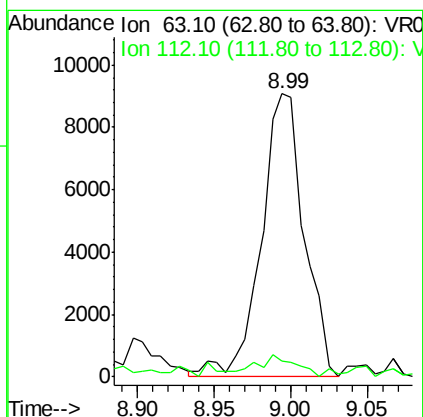
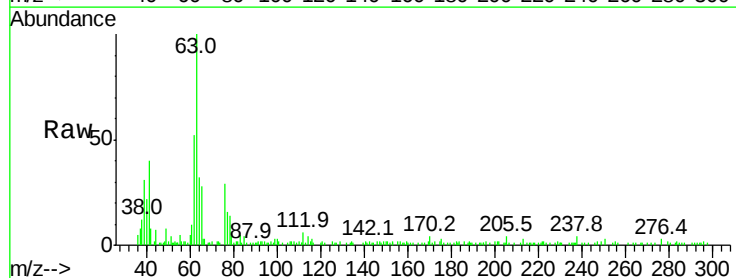
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.581

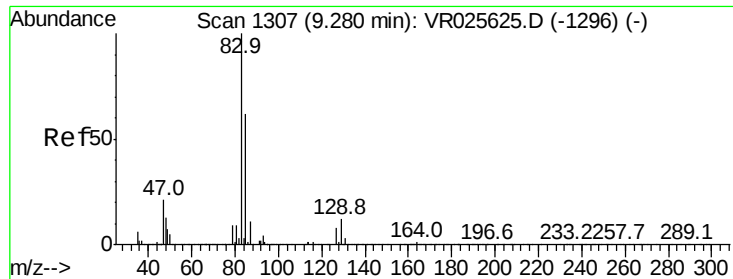
Tgt Ion: 83 Resp: 24801
Ion Ratio Lower Upper
83 100
55 72.8 56.7 85.1
98 44.3 35.8 53.8



#37
1,2-Dichloropropane
Concen: 0.526 ug/L
RT: 8.99 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VR025623.D
Acq: 21 Aug 2018 12:04

Tgt Ion: 63 Resp: 17705
Ion Ratio Lower Upper
63 100
112 7.2 2.5 3.7#





#38

Bromodichloromethane

Concen: 0.466 ug/L

RT: 9.28 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VR025623.D

Acq: 21 Aug 2018 12:04

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.581

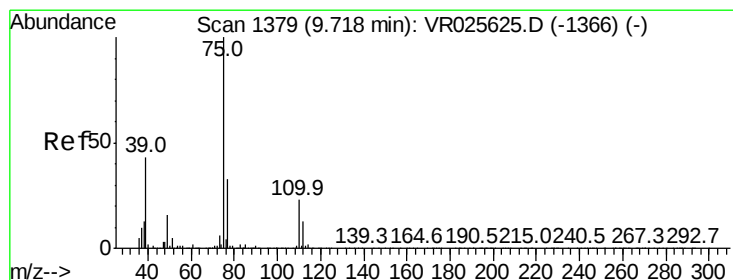
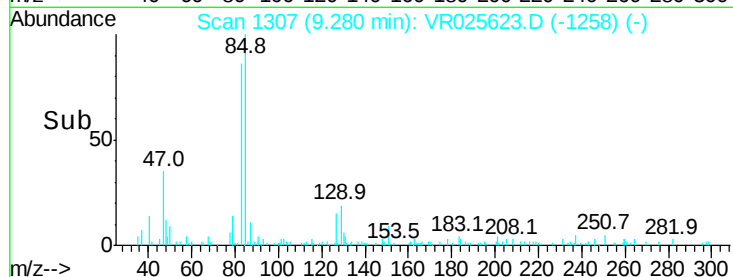
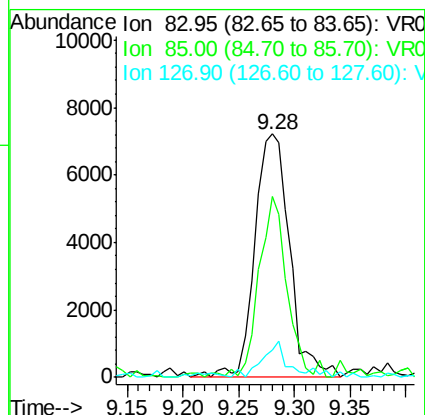
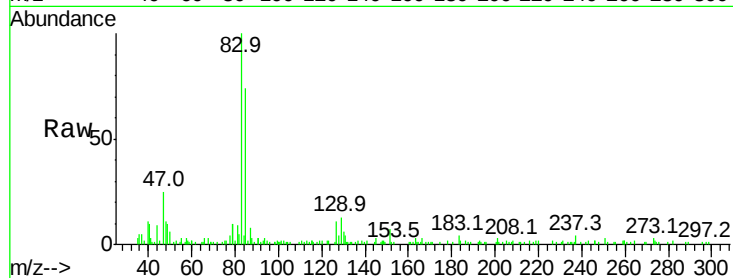
Tgt Ion: 83 Resp: 15625

Ion Ratio Lower Upper

83 100

85 74.4 43.2 80.2

127 14.6 6.4 9.6#



#39

cis-1,3-Dichloropropene

Concen: 0.444 ug/L

RT: 9.72 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VR025623.D

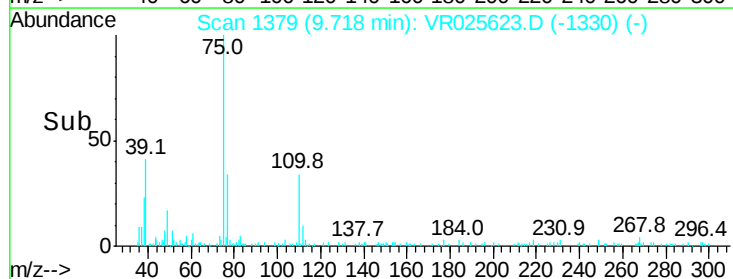
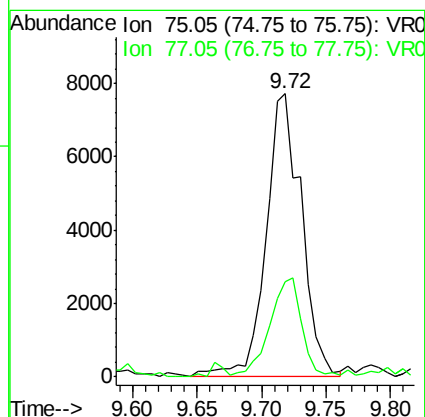
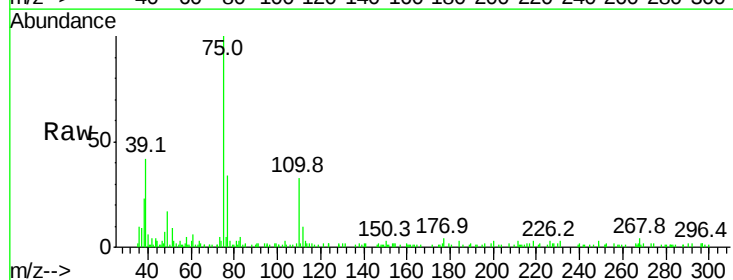
Acq: 21 Aug 2018 12:04

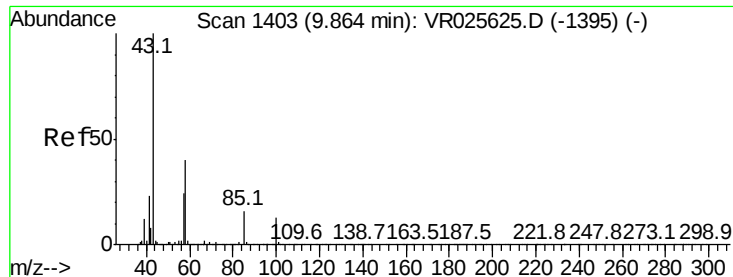
Tgt Ion: 75 Resp: 14739

Ion Ratio Lower Upper

75 100

77 33.9 23.0 42.6

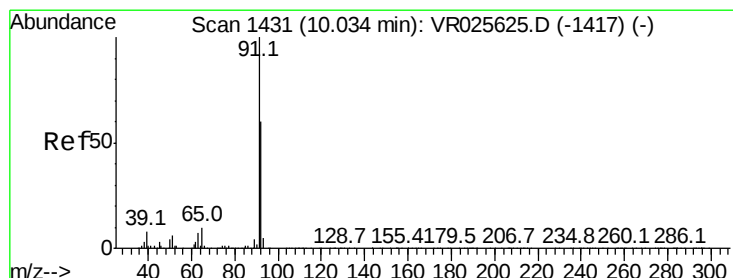
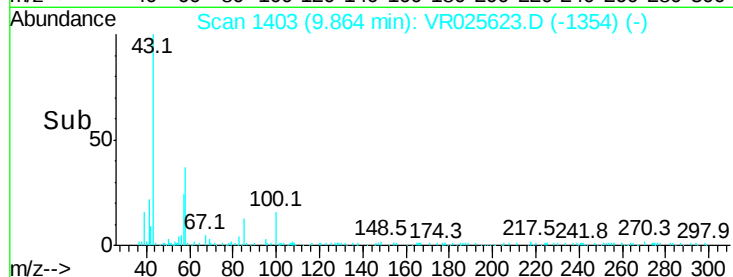
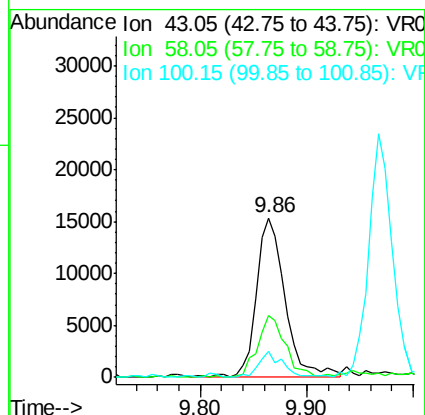
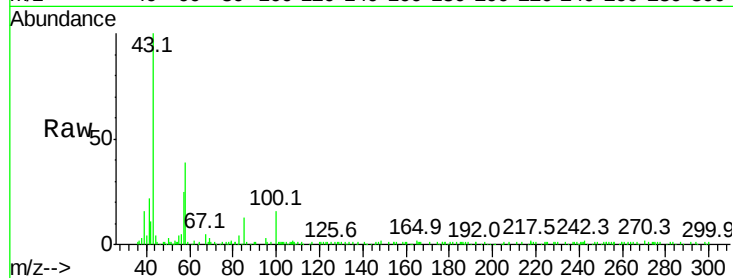




#40
4-Methyl-2-pentanone
Concen: 2.861 ug/L
RT: 9.86 min Scan# 1403
Delta R.T. 0.00 min
Lab File: VR025623.D
Acq: 21 Aug 2018 12:04

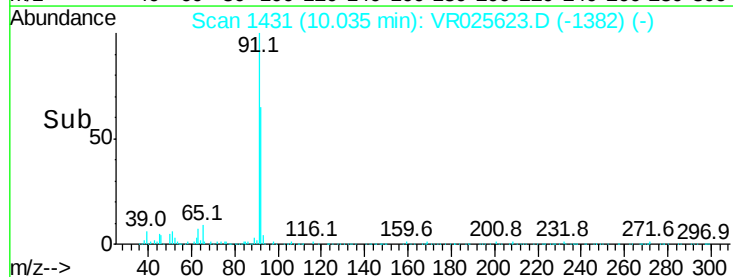
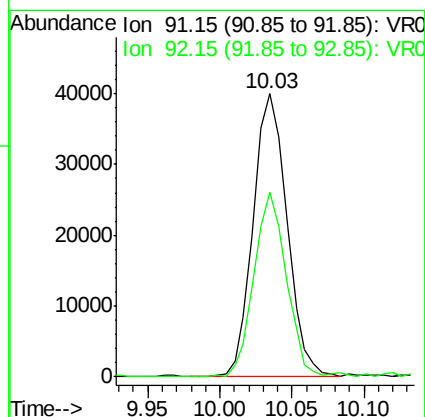
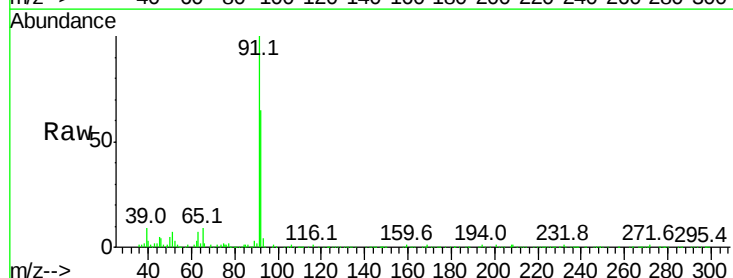
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.581

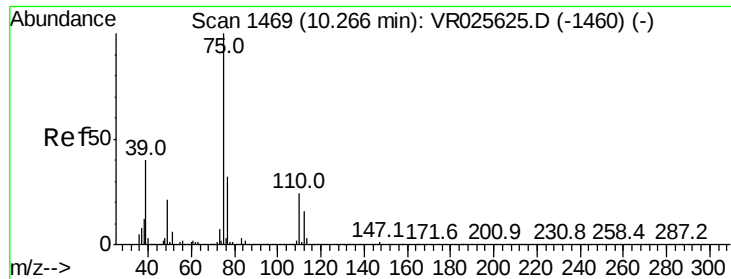
Tgt Ion: 43 Resp: 28959
Ion Ratio Lower Upper
43 100
58 37.7 31.4 47.2
100 14.0 11.5 17.3



#42
Toluene
Concen: 0.409 ug/L
RT: 10.03 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VR025623.D
Acq: 21 Aug 2018 12:04

Tgt Ion: 91 Resp: 64985
Ion Ratio Lower Upper
91 100
92 65.4 42.0 78.0





#44

trans-1,3-Dichloropropene

Concen: 0.392 ug/L

RT: 10.27 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VR025623.D

Acq: 21 Aug 2018 12:04

Instrument :

MSVOA_R

ClientSampleId :

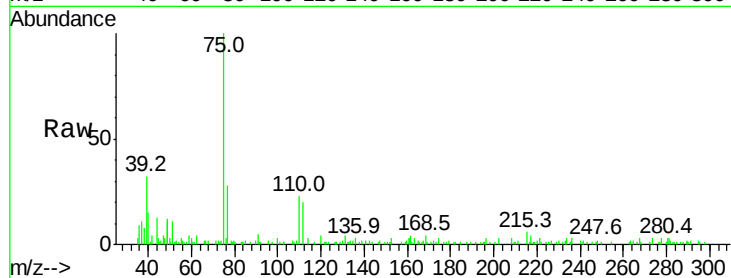
VSTD0.581

Tgt Ion: 75 Resp: 9653

Ion Ratio Lower Upper

75 100

77 27.8 22.3 41.5



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

10.27

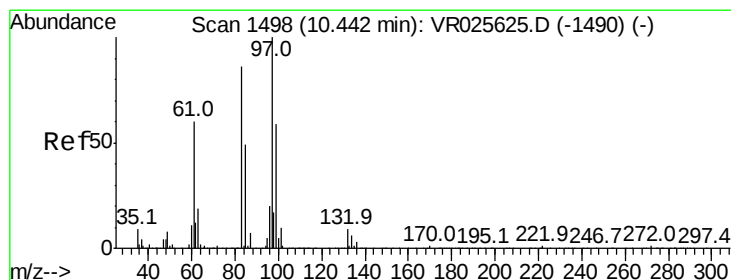
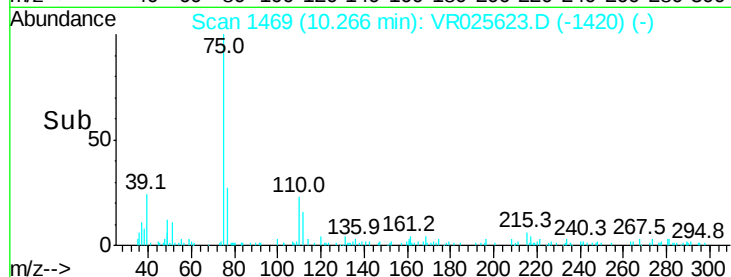
6000

4000

2000

0

Time--> 10.15 10.20 10.25 10.30



#45

1,1,2-Trichloroethane

Concen: 0.459 ug/L

RT: 10.45 min Scan# 1499

Delta R.T. 0.01 min

Lab File: VR025623.D

Acq: 21 Aug 2018 12:04

Tgt Ion: 97 Resp: 8185

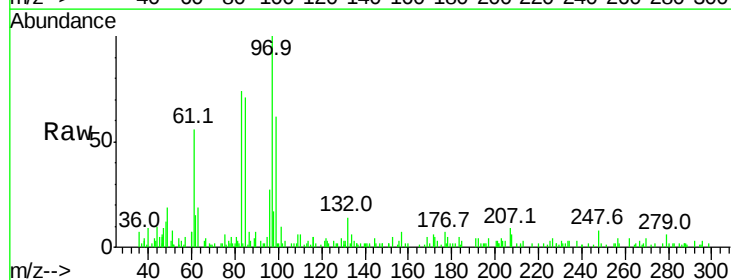
Ion Ratio Lower Upper

97 100

99 62.3 41.2 76.6

83 76.1 60.1 111.7

85 71.5 34.3 63.7#



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

10.45

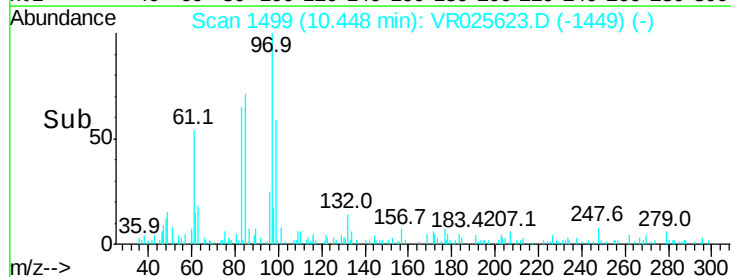
6000

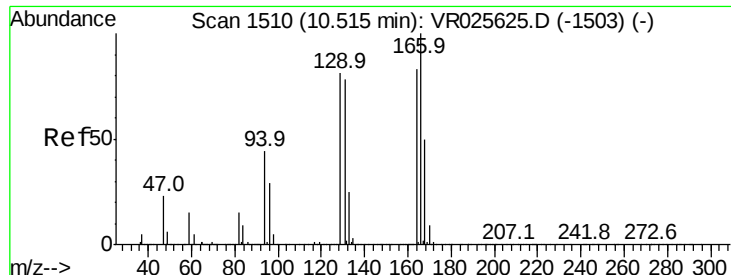
4000

2000

0

Time--> 10.40 10.50





#47

Tetrachloroethene

Concen: 0.476 ug/L

RT: 10.51 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VR025623.D

Acq: 21 Aug 2018 12:04

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.581

Tgt Ion:164 Resp: 14680

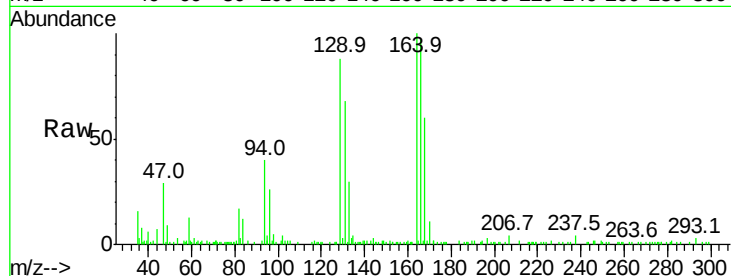
Ion Ratio Lower Upper

164 100

129 88.1 68.7 127.5

131 68.3 66.4 123.4

166 97.4 84.6 157.0

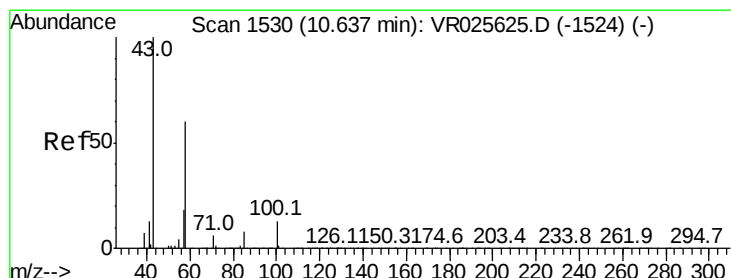
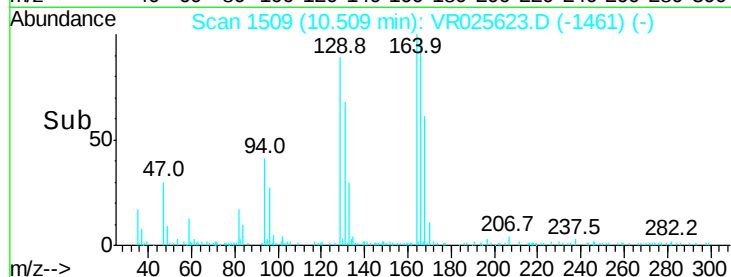
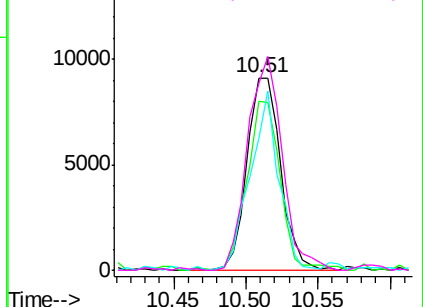


Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.622 ug/L

RT: 10.63 min Scan# 1529

Delta R.T. -0.01 min

Lab File: VR025623.D

Acq: 21 Aug 2018 12:04

Tgt Ion: 43 Resp: 18608

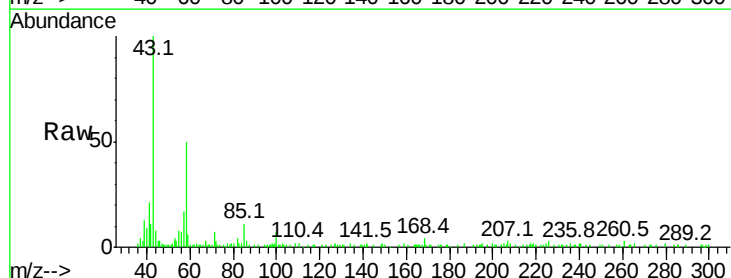
Ion Ratio Lower Upper

43 100

58 58.2 46.4 69.6

57 21.9 14.3 21.5#

100 13.1 8.8 13.2

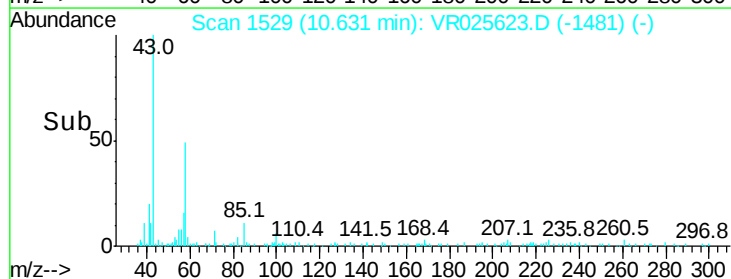
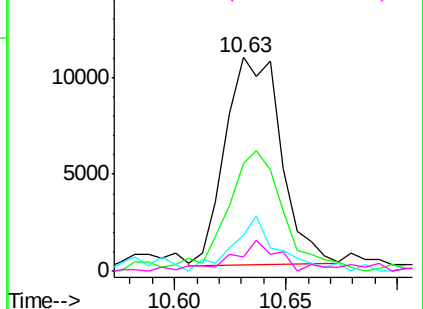


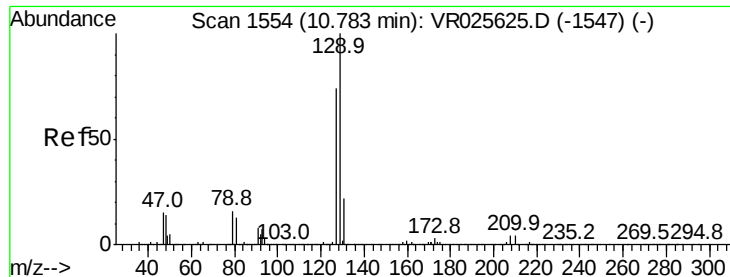
Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 57.20 (56.90 to 57.90): VR0

Ion 100.15 (99.85 to 100.85): VR0





#49

Dibromochloromethane

Concen: 0.331 ug/L

RT: 10.78 min Scan# 1554

Delta R.T. 0.00 min

Lab File: VR025623.D

Acq: 21 Aug 2018 12:04

Instrument :

MSVOA_R

ClientSampleId :

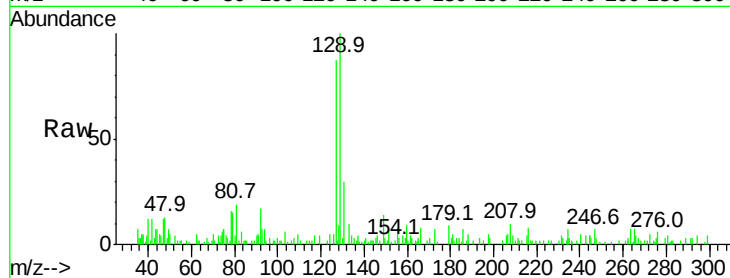
VSTD0.581

Tgt Ion:129 Resp: 6994

Ion Ratio Lower Upper

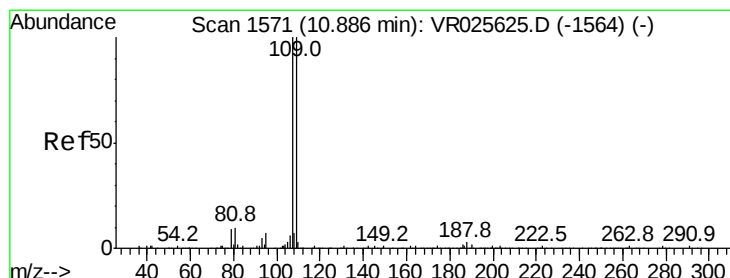
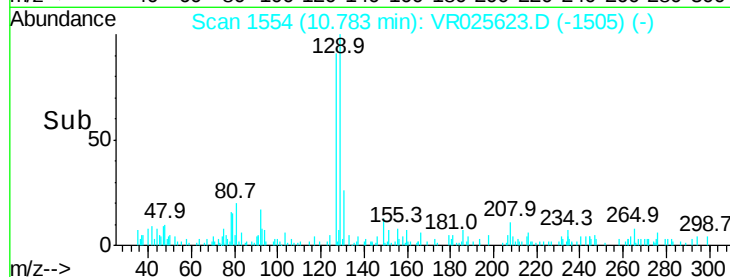
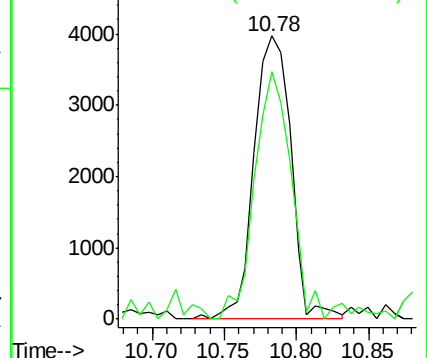
129 100

127 89.2 51.6 95.8



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#50

1,2-Dibromoethane

Concen: 0.362 ug/L

RT: 10.89 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VR025623.D

Acq: 21 Aug 2018 12:04

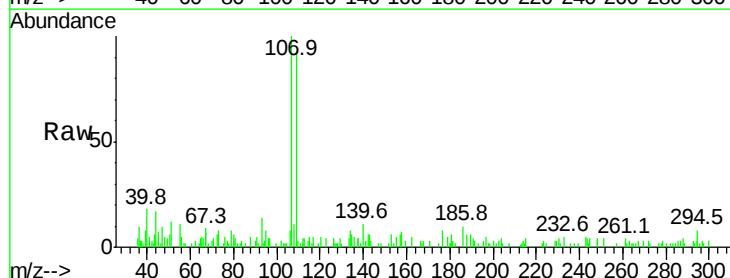
Tgt Ion:107 Resp: 5514

Ion Ratio Lower Upper

107 100

109 92.5 70.1 130.1

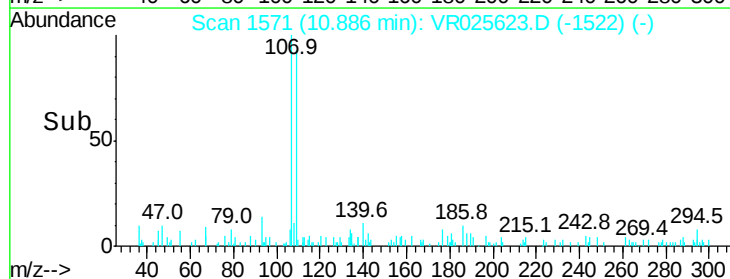
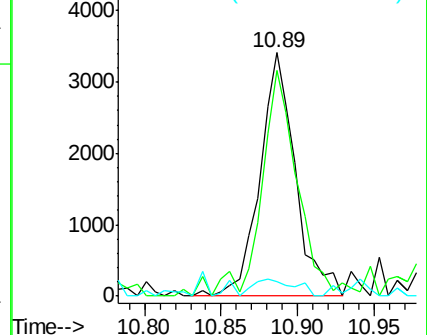
188 6.0 2.6 3.8#

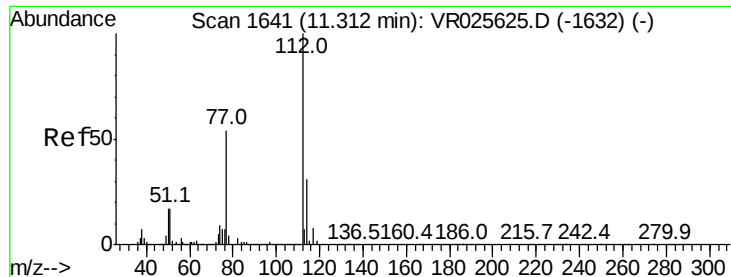


Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V





#51

Chlorobenzene

Concen: 0.494 ug/L

RT: 11.31 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VR025623.D

Acq: 21 Aug 2018 12:04

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.581

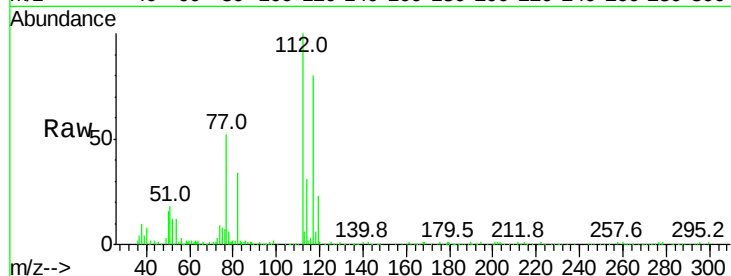
Tgt Ion: 112 Resp: 50016

Ion Ratio Lower Upper

112 100

114 30.8 21.8 40.4

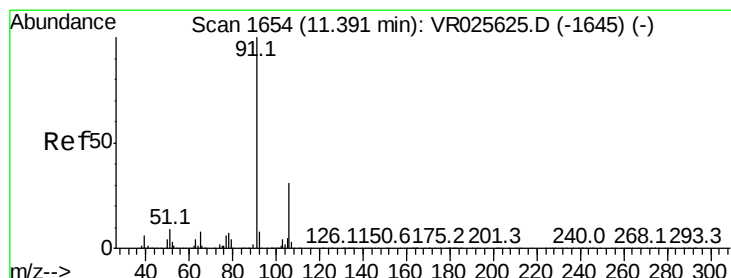
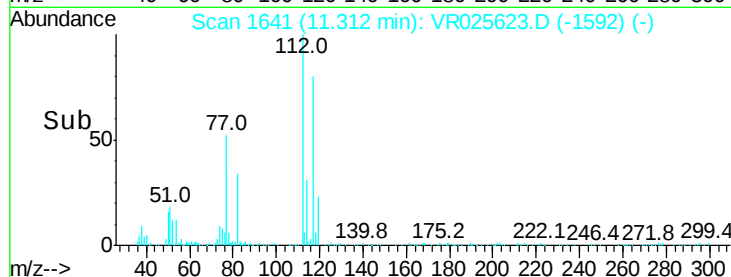
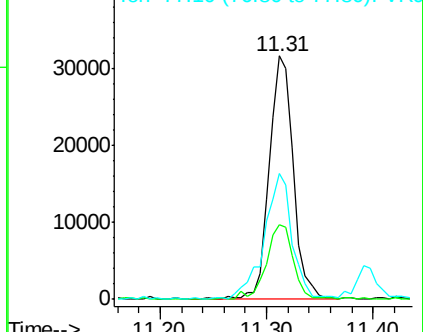
77 51.7 43.0 64.4



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VR0



#52

Ethylbenzene

Concen: 0.438 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VR025623.D

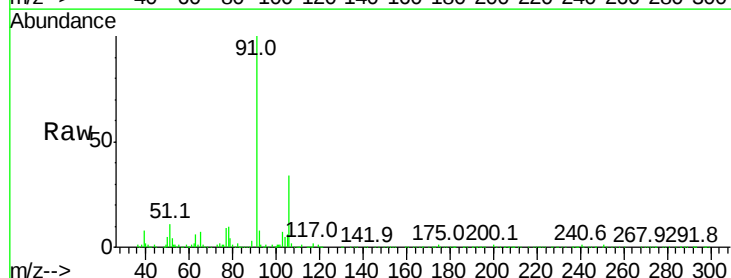
Acq: 21 Aug 2018 12:04

Tgt Ion: 91 Resp: 70109

Ion Ratio Lower Upper

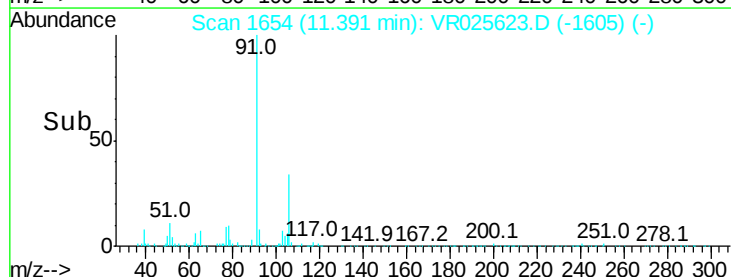
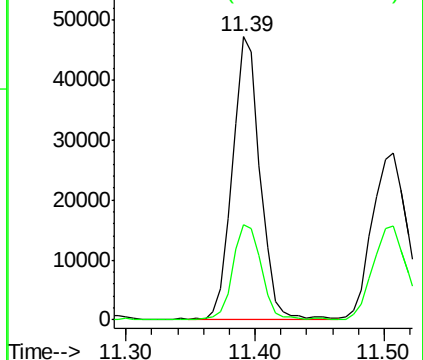
91 100

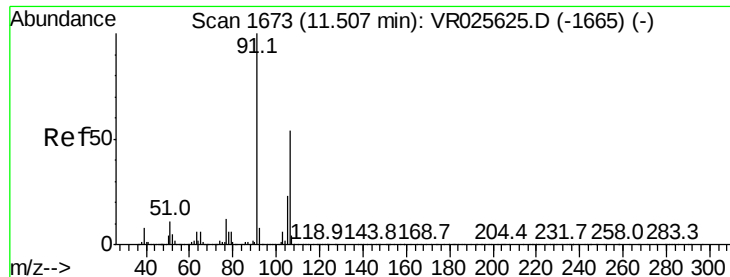
106 33.9 21.9 40.7



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 0.441 ug/L

RT: 11.51 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VR025623.D

Acq: 21 Aug 2018 12:04

Instrument :

MSVOA_R

ClientSampleId :

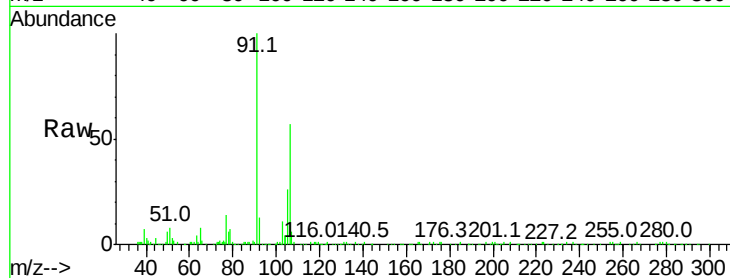
VSTD0.581

Tgt Ion:106 Resp: 27959

Ion Ratio Lower Upper

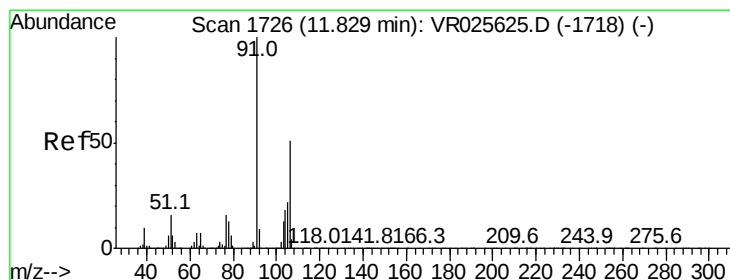
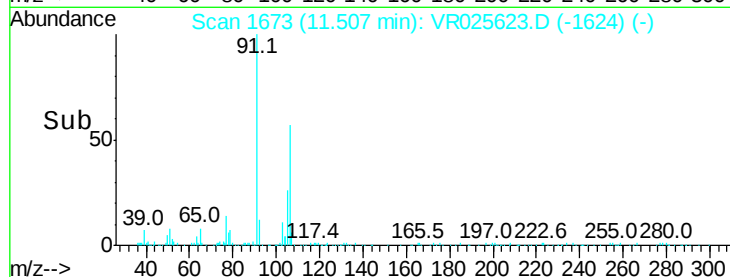
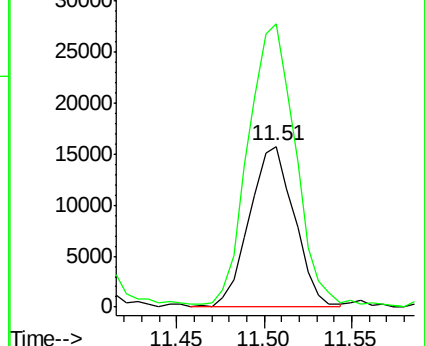
106 100

91 176.3 130.9 243.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0



#54

o-Xylene

Concen: 0.359 ug/L

RT: 11.83 min Scan# 1726

Delta R.T. 0.00 min

Lab File: VR025623.D

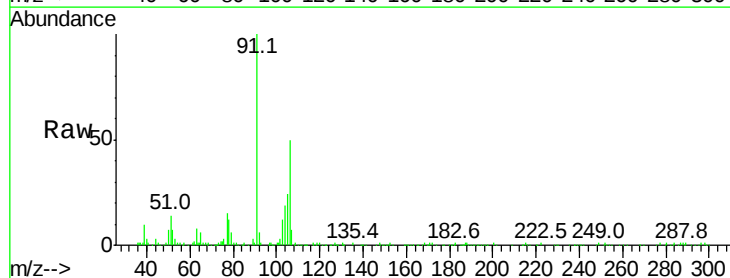
Acq: 21 Aug 2018 12:04

Tgt Ion:106 Resp: 21225

Ion Ratio Lower Upper

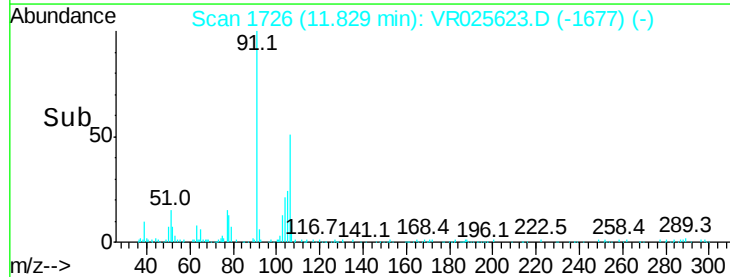
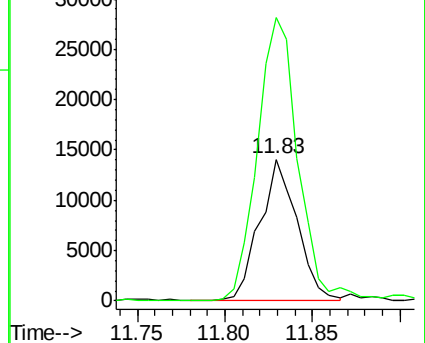
106 100

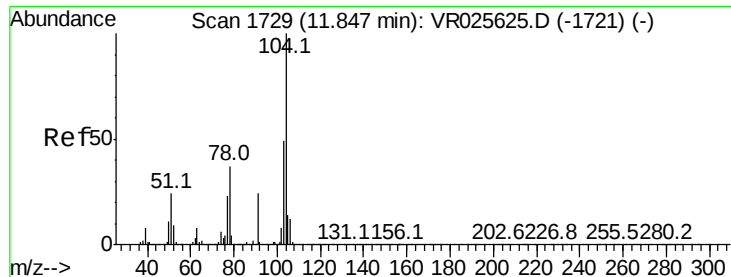
91 199.4 137.5 255.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0





#55

Styrene

Concen: 0.337 ug/L

RT: 11.85 min Scan# 1729

Delta R.T. 0.00 min

Lab File: VR025623.D

Acq: 21 Aug 2018 12:04

Instrument :

MSVOA_R

ClientSampleId :

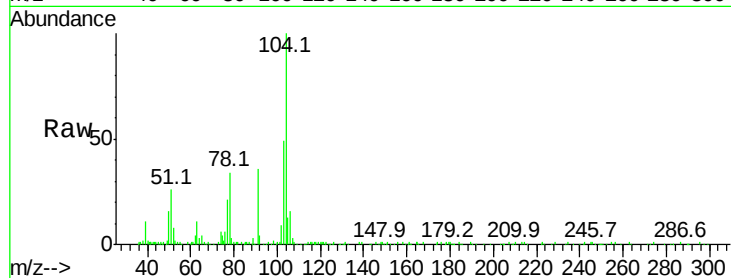
VSTD0.581

Tgt Ion:104 Resp: 32881

Ion Ratio Lower Upper

104 100

78 34.0 26.2 48.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VR0

11.85

25000

20000

15000

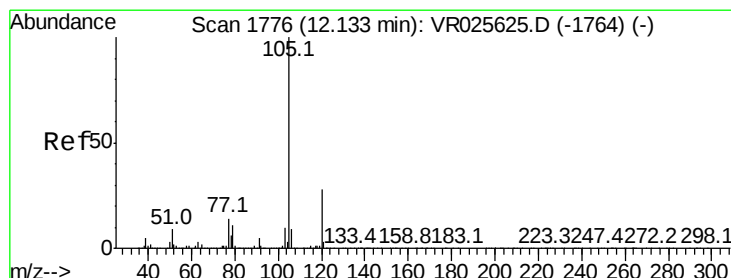
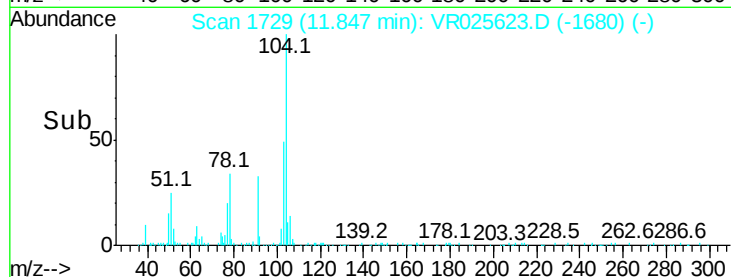
10000

5000

0

Time-->

11.80 11.90 12.00



#56

Isopropylbenzene

Concen: 0.383 ug/L

RT: 12.13 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VR025623.D

Acq: 21 Aug 2018 12:04

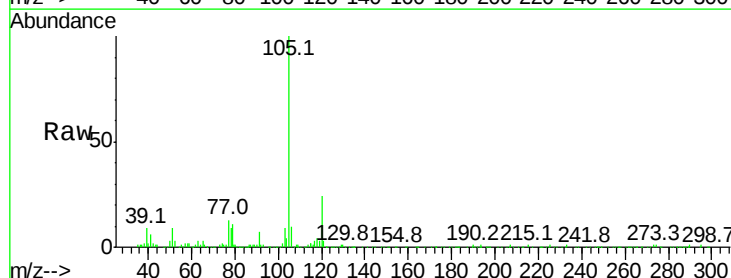
Tgt Ion:105 Resp: 54415

Ion Ratio Lower Upper

105 100

120 29.4 22.2 33.4

77 16.8 11.6 17.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VR0

12.13

40000

30000

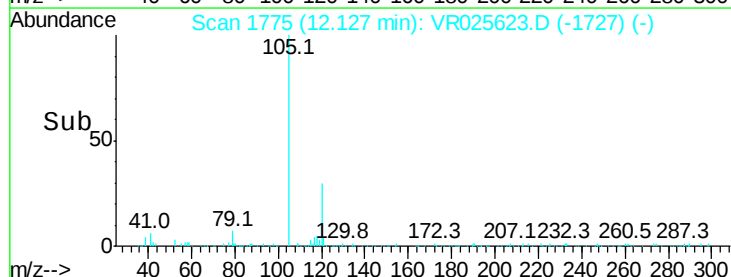
20000

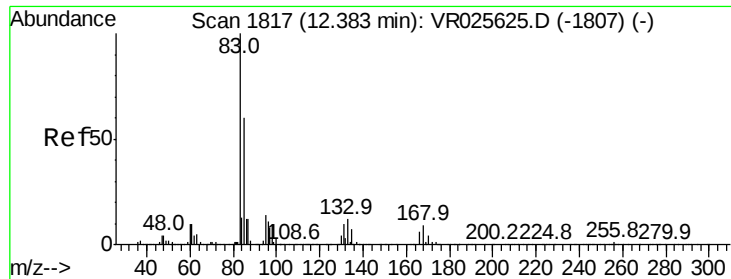
10000

0

Time-->

12.10 12.20





#58

1,1,2,2-Tetrachloroethane

Concen: 0.381 ug/L

RT: 12.38 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VR025623.D

Acq: 21 Aug 2018 12:04

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.581

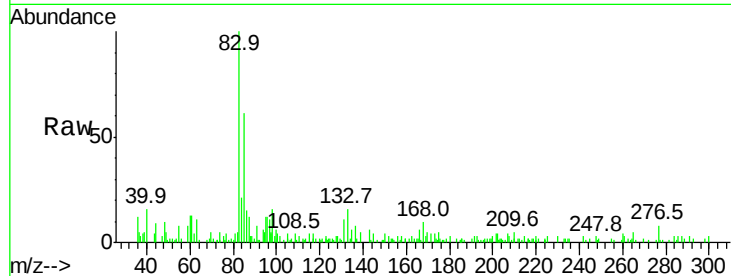
Tgt Ion: 83 Resp: 6826

Ion Ratio Lower Upper

83 100

85 60.6 42.3 78.5

131 10.8 7.8 11.6



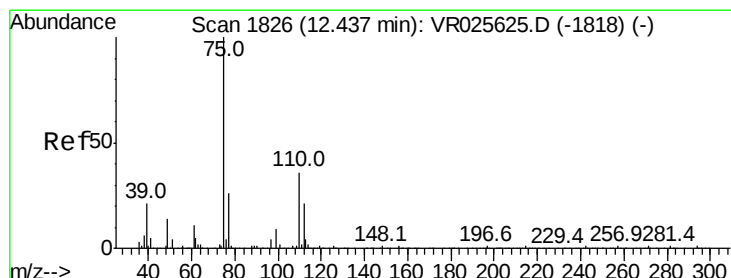
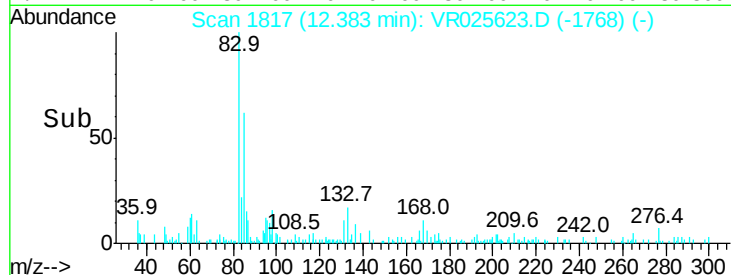
Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): VR0

Time-->

12.38



#59

1,2,3-Trichloropropane

Concen: 0.466 ug/L

RT: 12.44 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VR025623.D

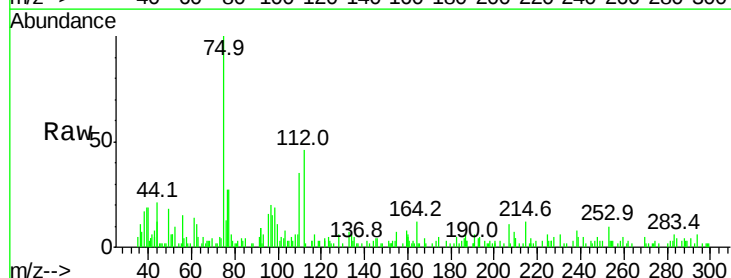
Acq: 21 Aug 2018 12:04

Tgt Ion: 75 Resp: 5202

Ion Ratio Lower Upper

75 100

77 45.5 23.5 35.3#

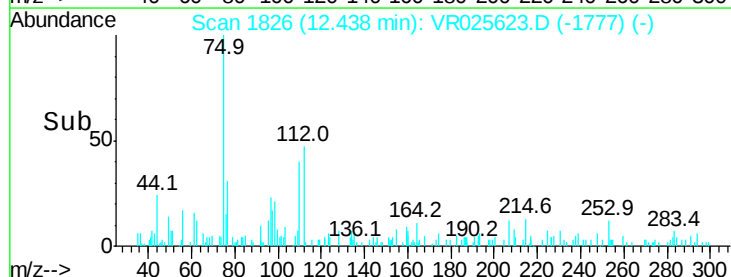


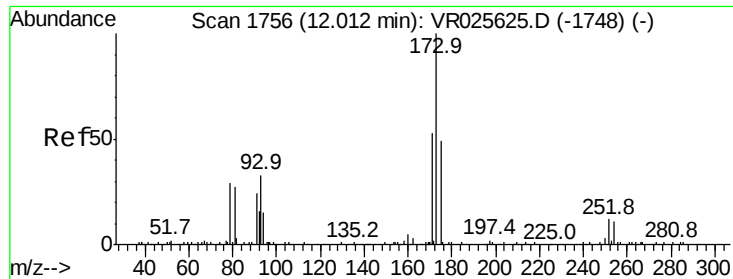
Abundance Ion 75.00 (74.70 to 75.70): VR0

Ion 77.00 (76.70 to 77.70): VR0

Time-->

12.44





#61

Bromoform

Concen: 0.400 ug/L

RT: 12.01 min Scan# 1755

Delta R.T. -0.01 min

Lab File: VR025623.D

Acq: 21 Aug 2018 12:04

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.581

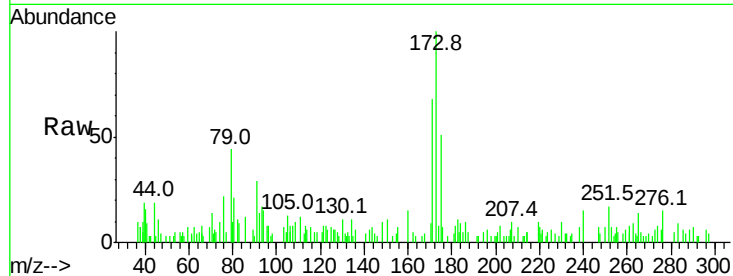
Tgt Ion:173 Resp: 3032

Ion Ratio Lower Upper

173 100

175 51.6 40.4 60.6

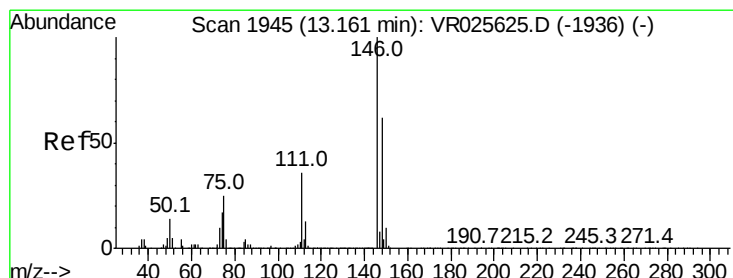
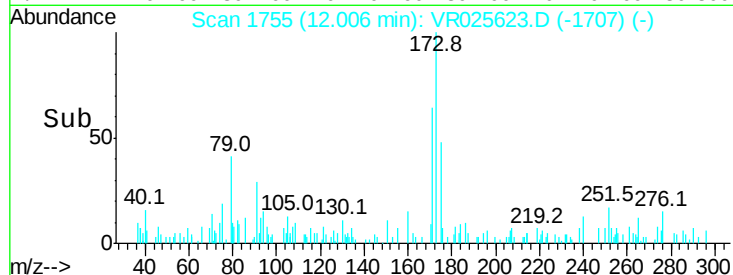
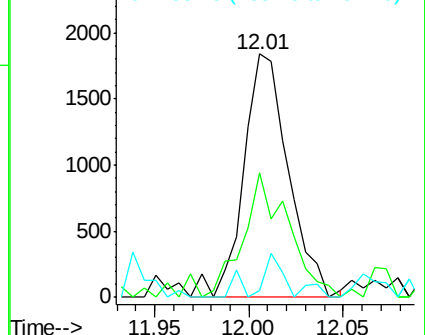
254 9.1 9.5 14.3#



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#62

1,3-Dichlorobenzene

Concen: 0.472 ug/L

RT: 13.16 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VR025623.D

Acq: 21 Aug 2018 12:04

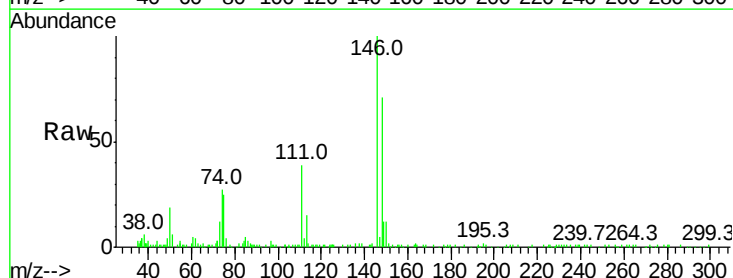
Tgt Ion:146 Resp: 22133

Ion Ratio Lower Upper

146 100

111 38.6 24.8 46.1

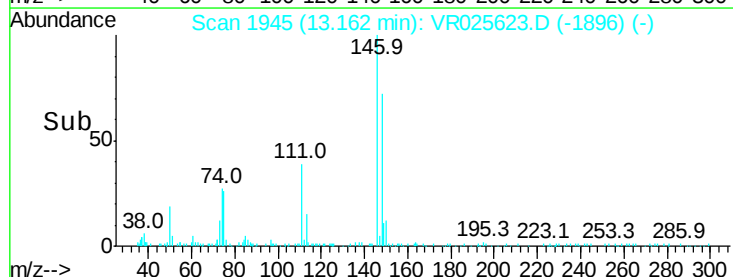
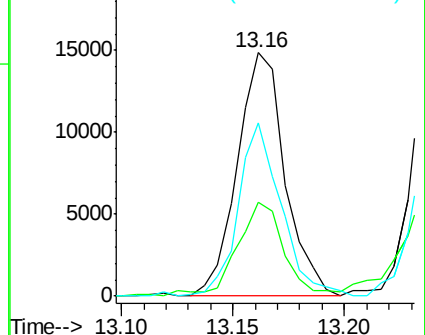
148 71.4 43.5 80.7

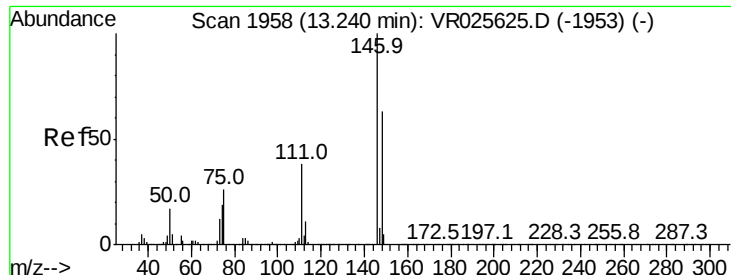


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 0.496 ug/L

RT: 13.25 min Scan# 1959

Delta R.T. 0.01 min

Lab File: VR025623.D

Acq: 21 Aug 2018 12:04

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.581

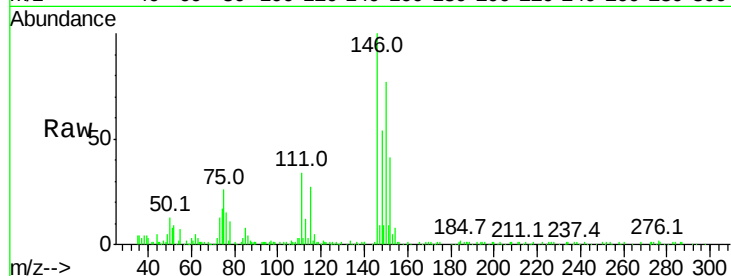
Tgt Ion:146 Resp: 28078

Ion Ratio Lower Upper

146 100

111 33.6 26.7 49.5

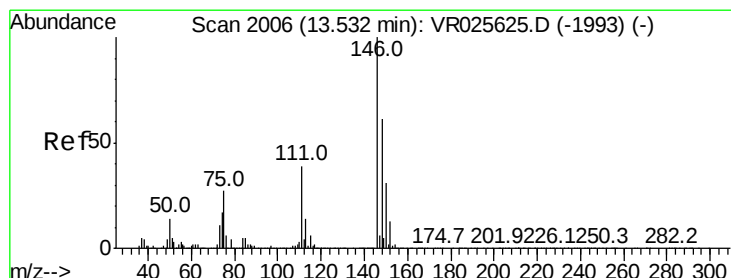
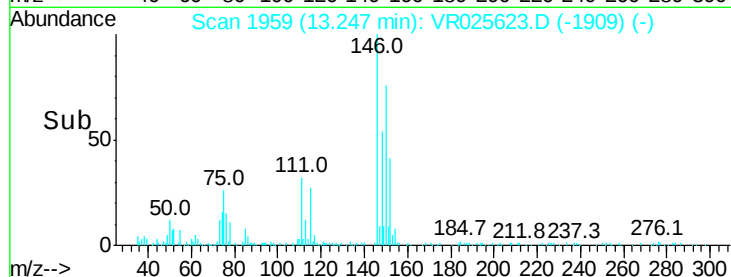
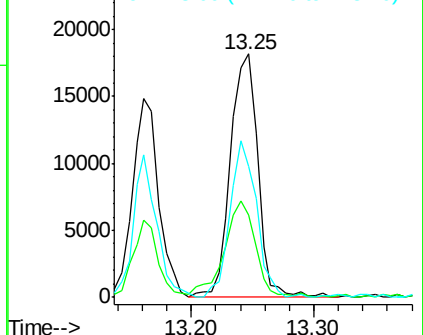
148 54.0 44.4 82.5



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: 0.459 ug/L

RT: 13.53 min Scan# 2005

Delta R.T. -0.01 min

Lab File: VR025623.D

Acq: 21 Aug 2018 12:04

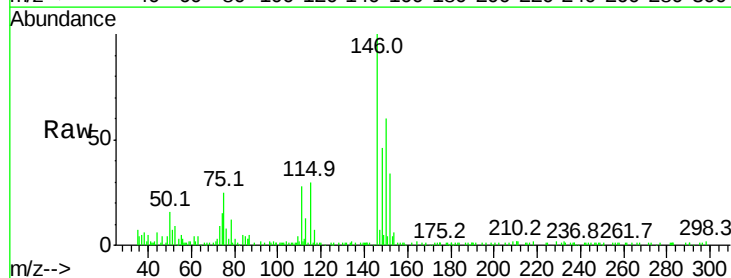
Tgt Ion:146 Resp: 20507

Ion Ratio Lower Upper

146 100

111 28.0 31.6 47.4#

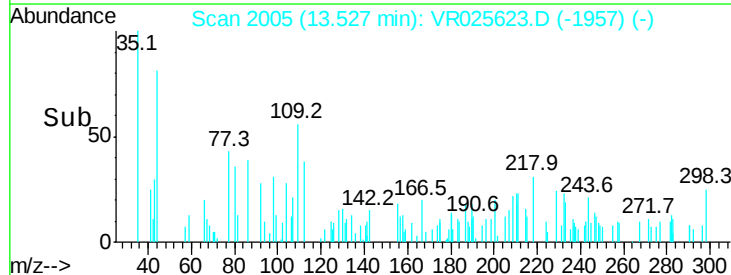
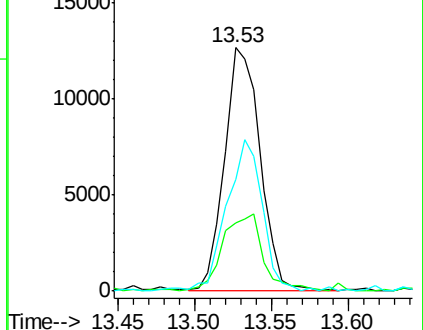
148 46.1 48.7 73.1#

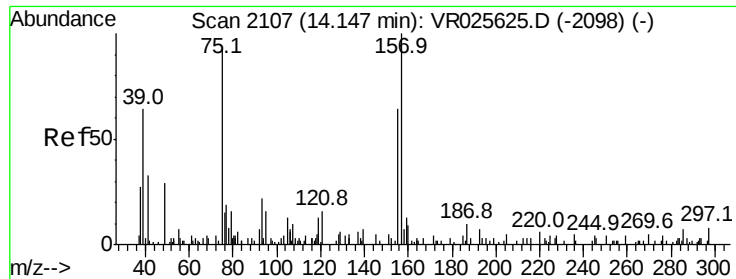


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

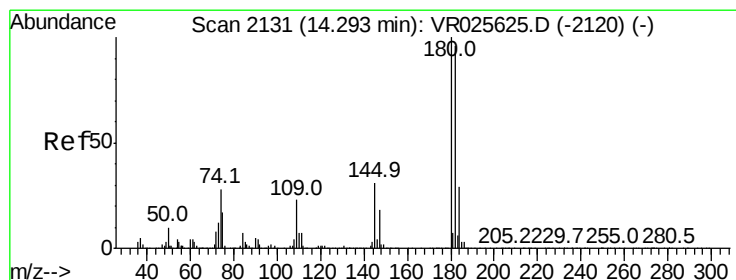
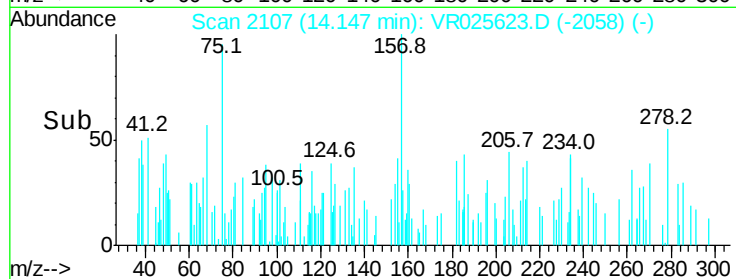
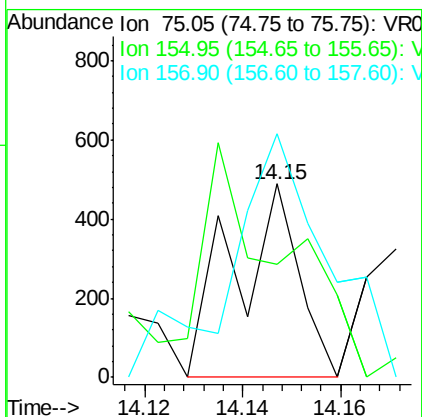
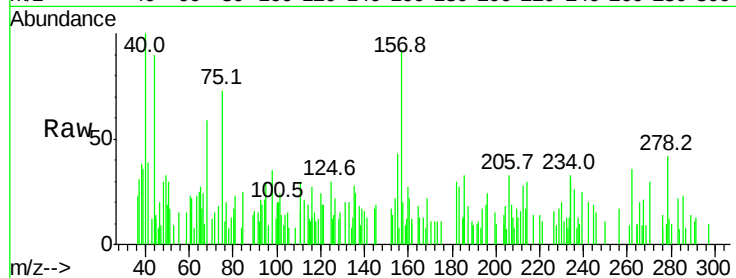




#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.333 ug/L
 RT: 14.15 min Scan# 2107
 Delta R.T. 0.00 min
 Lab File: VR025623.D
 Acq: 21 Aug 2018 12:04

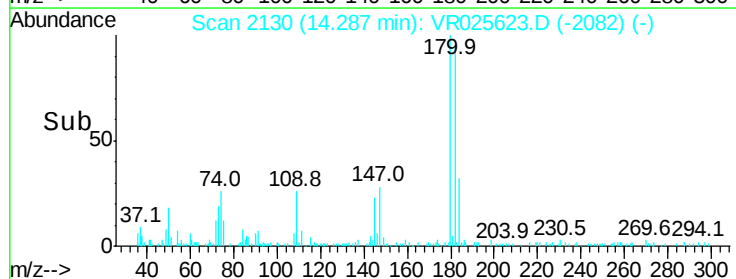
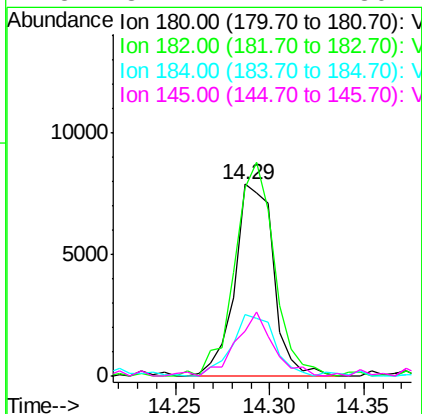
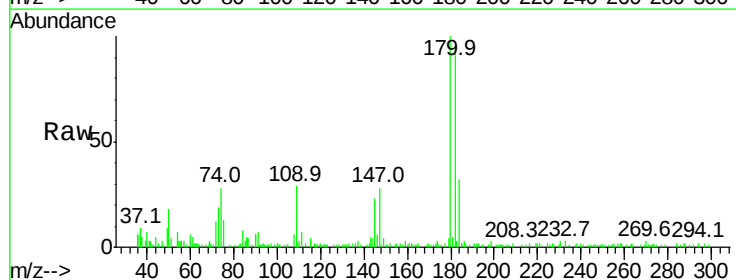
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.581

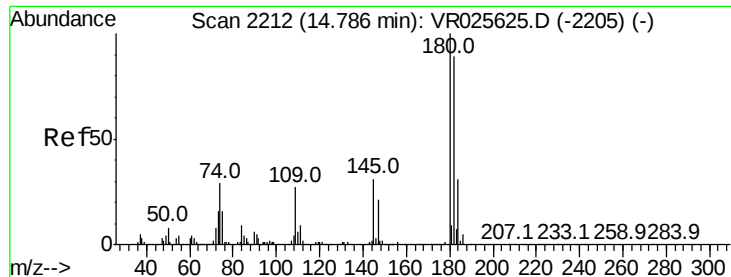
Tgt Ion: 75 Resp: 446
 Ion Ratio Lower Upper
 75 100
 155 58.4 55.2 82.8
 157 126.0 89.4 134.2



#67
 1,3,5-Trichlorobenzene
 Concen: 0.356 ug/L
 RT: 14.29 min Scan# 2130
 Delta R.T. -0.01 min
 Lab File: VR025623.D
 Acq: 21 Aug 2018 12:04

Tgt Ion: 180 Resp: 11230
 Ion Ratio Lower Upper
 180 100
 182 113.5 74.4 111.6#
 184 35.2 25.1 37.7
 145 32.2 24.2 36.4

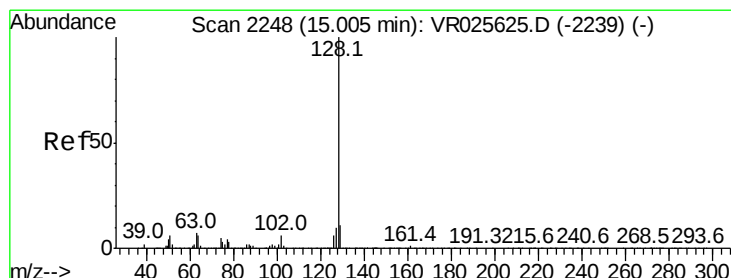
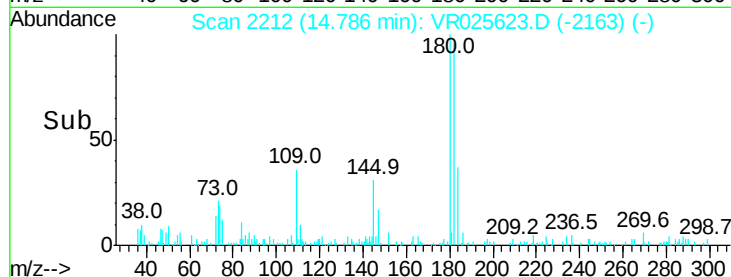
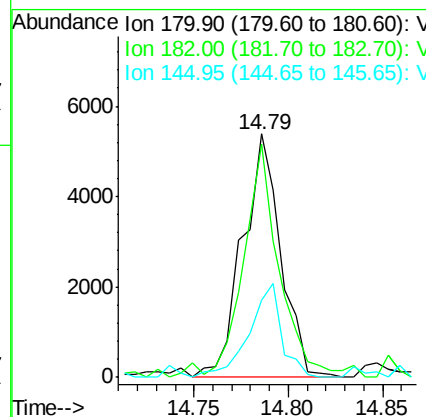
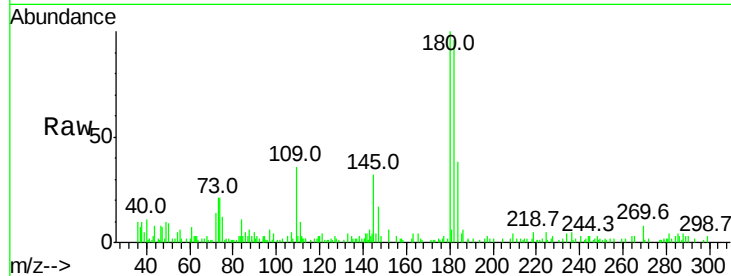




#68
 1,2,4-trichlorobenzene
 Concen: 0.388 ug/L
 RT: 14.79 min Scan# 2212
 Delta R.T. 0.00 min
 Lab File: VR025623.D
 Acq: 21 Aug 2018 12:04

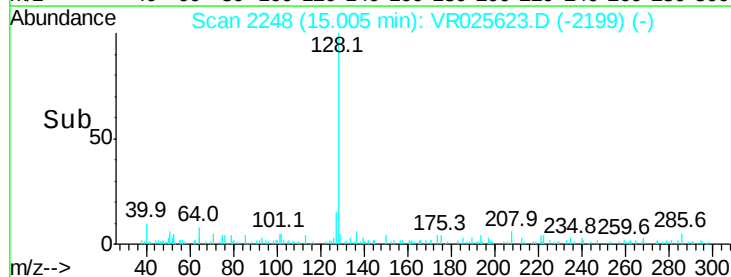
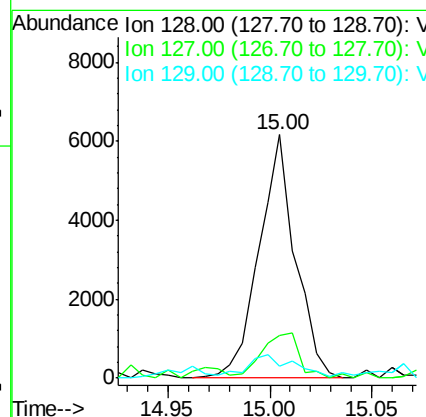
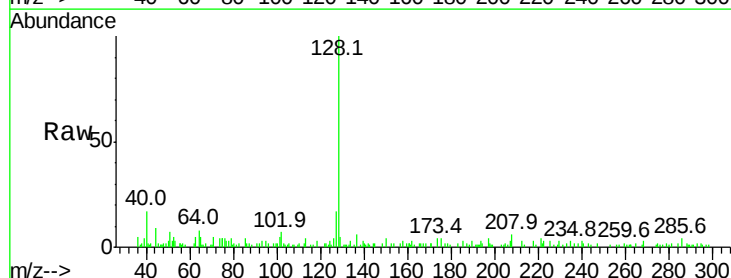
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.581

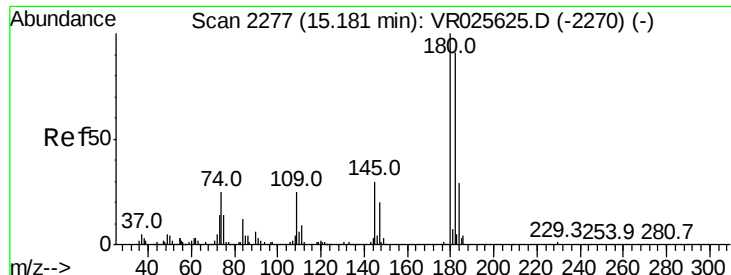
Tgt Ion:180 Resp: 7542
 Ion Ratio Lower Upper
 180 100
 182 92.6 75.0 112.6
 145 33.0 25.4 38.0



#69
 Naphthalene
 Concen: 0.336 ug/L
 RT: 15.00 min Scan# 2248
 Delta R.T. 0.00 min
 Lab File: VR025623.D
 Acq: 21 Aug 2018 12:04

Tgt Ion:128 Resp: 7640
 Ion Ratio Lower Upper
 128 100
 127 19.3 10.0 15.0#
 129 12.6 8.9 13.3





#70
 1,2,3-Trichlorobenzene
 Concen: 0.352 ug/L
 RT: 15.18 min Scan# 2277
 Delta R.T. 0.00 min
 Lab File: VR025623.D
 Acq: 21 Aug 2018 12:04

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.581

Tgt Ion	Ratio	Lower	Upper
180	100		
182	86.9	74.4	111.6
145	36.7	24.8	37.2

