

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR082118\
 Data File : VR025628.D
 Acq On : 21 Aug 2018 17:20
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VICV86

Quant Time: Aug 21 22:56:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR082118WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Aug 21 22:55:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	517476	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	431103	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	164926	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	176892	5.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.00%
7) Chloroethane-d5	2.62	69	151287	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.20%
11) 1,1-Dichloroethene-d2	3.62	63	422991	5.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.60%
20) 2-Butanone-d5	6.59	46	127758	49.78	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.56%
24) Chloroform-d	7.20	84	289962	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	7.89	65	95084	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
32) Benzene-d6	7.86	84	695113	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	8.90	67	175838	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.80%
41) Toluene-d8	9.97	98	634309	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
43) trans-1,3-Dichloropropene-	10.24	79	38775	4.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.40%
46) 2-Hexanone-d5	10.59	63	152249	54.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.76%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	74425	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.80%
64) 1,2-Dichlorobenzene-d4	13.51	152	125201	4.75	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	154685	5.396 ug/L	92
3) Chloromethane	2.00	50	237031	5.588 ug/L	97
5) Vinyl chloride	2.17	62	230509	5.550 ug/L	97
6) Bromomethane	2.52	94	145966	5.166 ug/L	96
8) Chloroethane	2.65	64	139400	5.457 ug/L #	80
9) Trichlorofluoromethane	2.93	101	113537	1.884 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	200454	5.458 ug/L	100
12) 1,1-Dichloroethene	3.64	96	212997	5.241 ug/L	79
13) Acetone	3.70	43	77745	48.621 ug/L	99
14) Carbon disulfide	3.95	76	567339	5.364 ug/L	95
15) Methyl Acetate	4.19	43	28789	4.762 ug/L	98
16) Methylene chloride	4.40	84	179928	4.934 ug/L	92
17) Methyl tert-butyl Ether	4.89	73	213317	5.119 ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	218986	5.103 ug/L	97
19) 1,1-Dichloroethane	5.68	63	334117	5.037 ug/L	95
21) 2-Butanone	6.69	43	159433	50.596 ug/L	99
22) cis-1,2-Dichloroethene	6.68	96	191288	5.186 ug/L #	80

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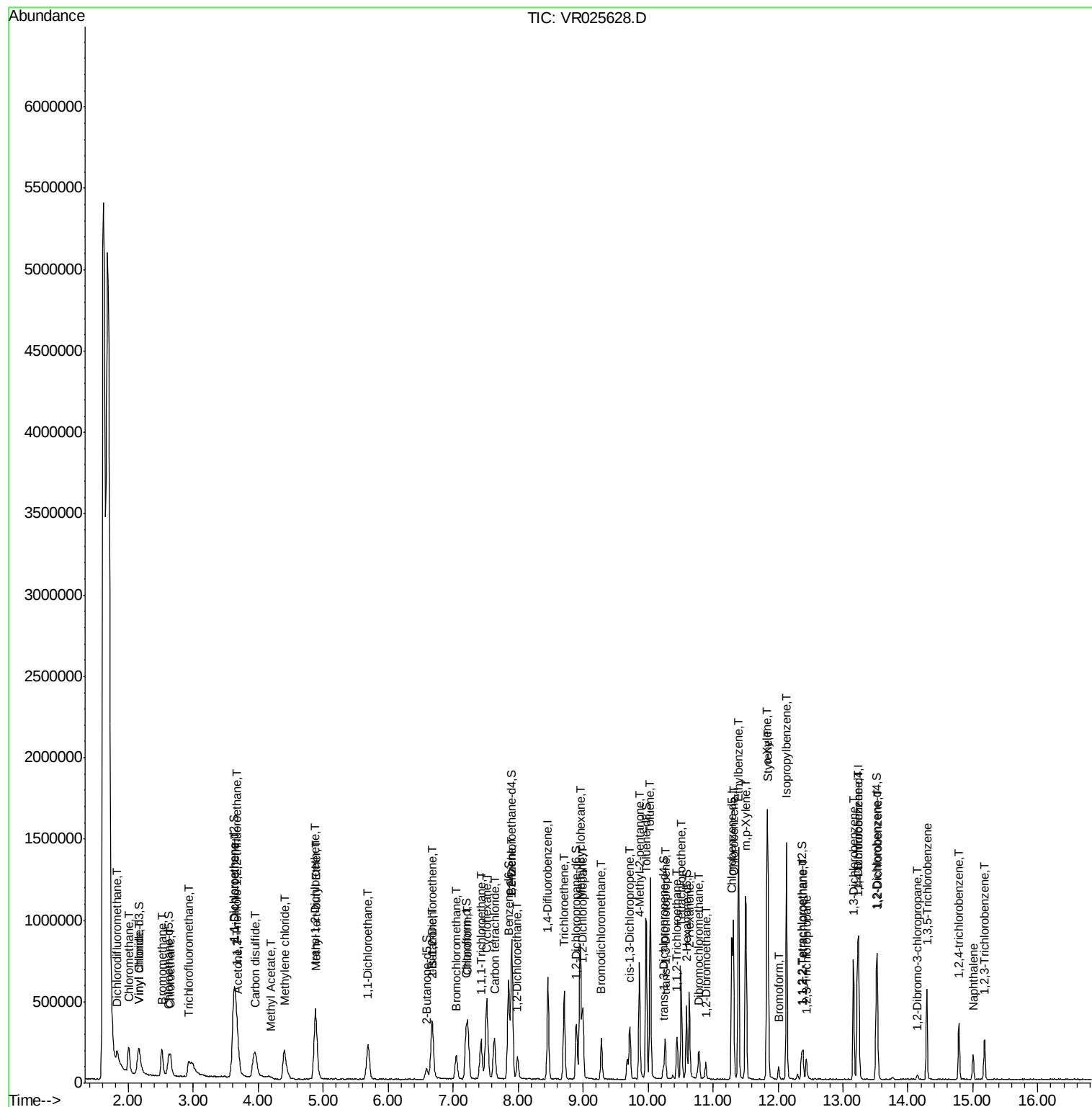
23) Bromochloromethane	7.05	128	57369	5.074	ug/L	91
25) Chloroform	7.23	83	293354	5.090	ug/L	100
27) 1,2-Dichloroethane	7.99	62	113481	5.266	ug/L #	93
29) 1,1,1-Trichloroethane	7.43	97	209389	4.993	ug/L	99
30) Cyclohexane	7.52	56	309671	5.739	ug/L	100
31) Carbon tetrachloride	7.64	117	196011	5.325	ug/L	97
33) Benzene	7.91	78	818936	5.202	ug/L	100
34) Trichloroethene	8.71	95	190289	5.277	ug/L	98
35) Methylcyclohexane	8.96	83	343906	5.862	ug/L	98
37) 1,2-Dichloropropane	8.99	63	174329	5.044	ug/L	99
38) Bromodichloromethane	9.28	83	155586	5.158	ug/L	94
39) cis-1,3-Dichloropropene	9.72	75	180538	5.097	ug/L	98
40) 4-Methyl-2-pentanone	9.86	43	454028	54.234	ug/L	99
42) Toluene	10.03	91	826727	5.352	ug/L	96
44) trans-1,3-Dichloropropene	10.27	75	124424	4.977	ug/L	95
45) 1,1,2-Trichloroethane	10.45	97	76216	4.998	ug/L	97
47) Tetrachloroethene	10.51	164	145039	5.260	ug/L	99
48) 2-Hexanone	10.64	43	316810	54.288	ug/L	99
49) Dibromochloromethane	10.78	129	83118	5.058	ug/L	96
50) 1,2-Dibromoethane	10.89	107	60780	5.031	ug/L #	95
51) Chlorobenzene	11.31	112	474779	4.937	ug/L	97
52) Ethylbenzene	11.39	91	895644	5.430	ug/L	97
53) m,p-Xylene	11.50	106	361343	5.470	ug/L	100
54) o-Xylene	11.83	106	320165	5.440	ug/L	96
55) Styrene	11.85	104	499553	5.254	ug/L	96
56) Isopropylbenzene	12.13	105	850430	5.700	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.38	83	74076	4.700	ug/L	88
59) 1,2,3-Trichloropropane	12.44	75	51087	4.768	ug/L	100
61) Bromoform	12.01	173	34194	5.159	ug/L #	93
62) 1,3-Dichlorobenzene	13.16	146	270445	5.305	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	285043	5.032	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	222393	5.066	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.15	75	6357	5.349	ug/L	95
67) 1,3,5-Trichlorobenzene	14.29	180	155520	5.398	ug/L	97
68) 1,2,4-trichlorobenzene	14.79	180	92122	5.152	ug/L	97
69) Naphthalene	15.00	128	112928	5.114	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	72751	5.234	ug/L	98

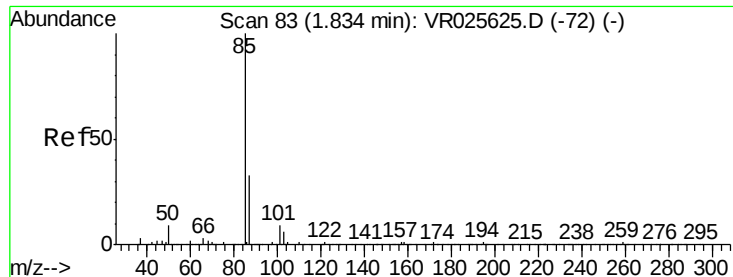
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.396 ug/L

RT: 1.83 min Scan# 83

Delta R.T. 0.00 min

Lab File: VR025628.D

Acq: 21 Aug 2018 17:20

Instrument :

MSVOA_R

ClientSampleId :

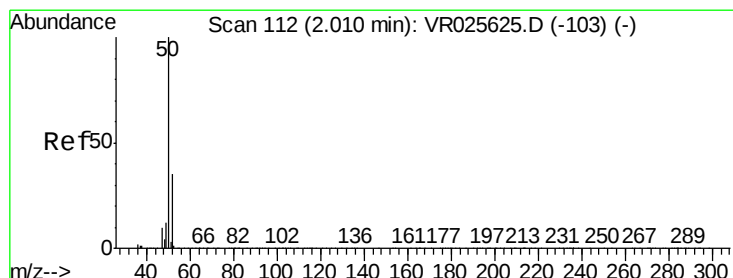
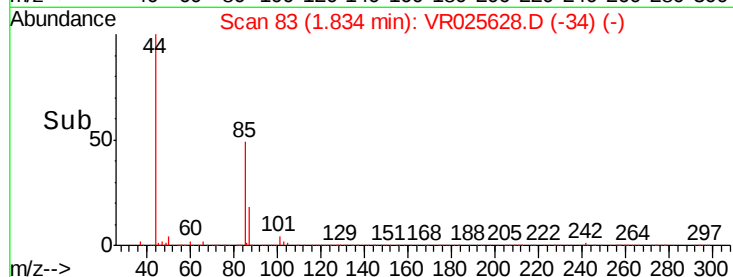
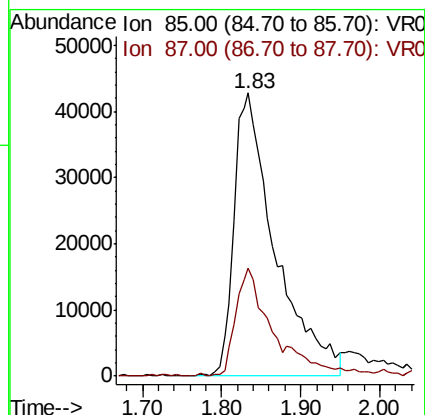
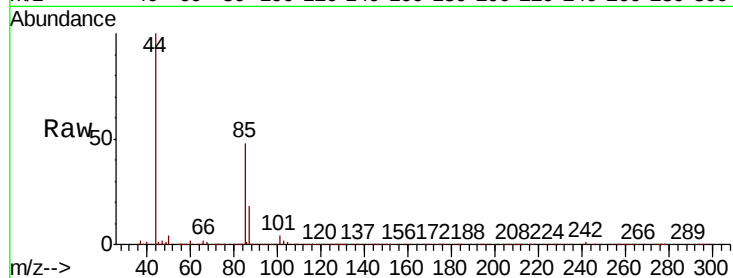
VICV86

Tgt Ion: 85 Resp: 154685

Ion Ratio Lower Upper

85 100

87 33.6 23.5 35.3



#3

Chloromethane

Concen: 5.588 ug/L

RT: 2.00 min Scan# 111

Delta R.T. -0.01 min

Lab File: VR025628.D

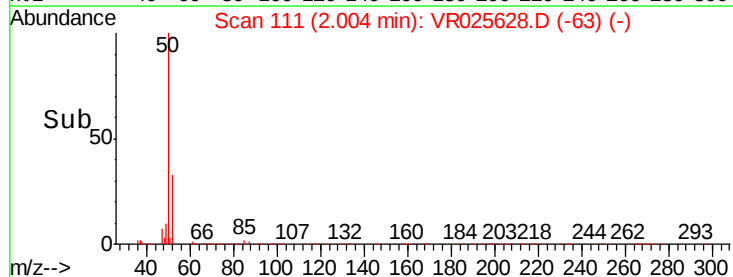
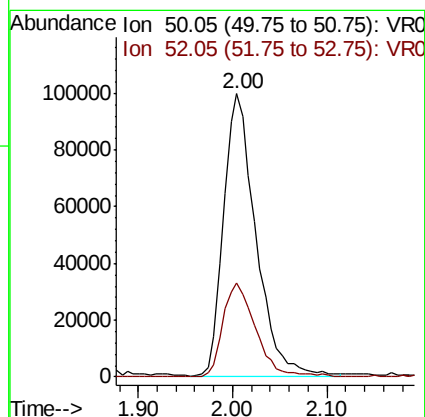
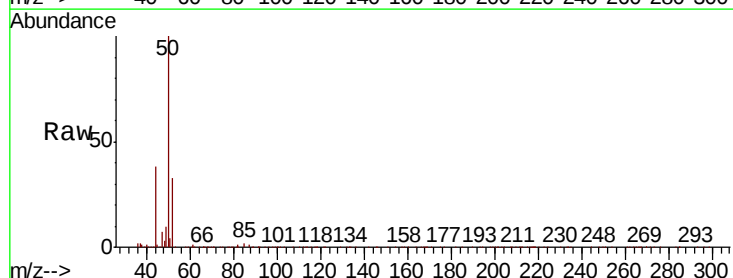
Acq: 21 Aug 2018 17:20

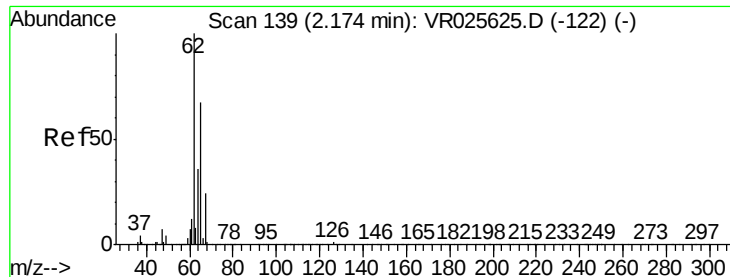
Tgt Ion: 50 Resp: 237031

Ion Ratio Lower Upper

50 100

52 33.1 24.2 45.0





#5

Vinyl chloride

Concen: 5.550 ug/L

RT: 2.17 min Scan# 138

Delta R.T. -0.01 min

Lab File: VR025628.D

Acq: 21 Aug 2018 17:20

Instrument :

MSVOA_R

ClientSampleId :

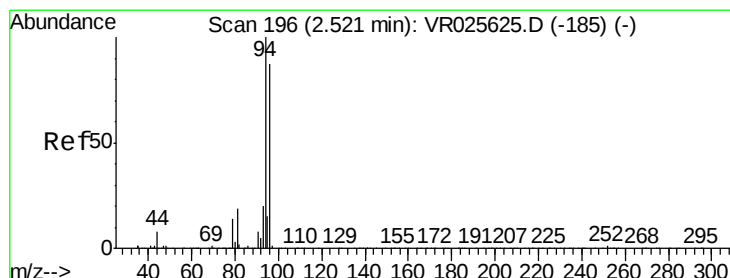
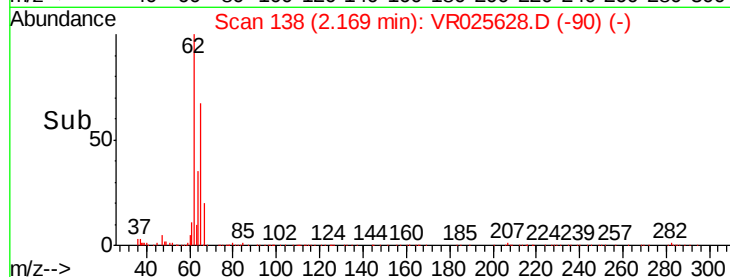
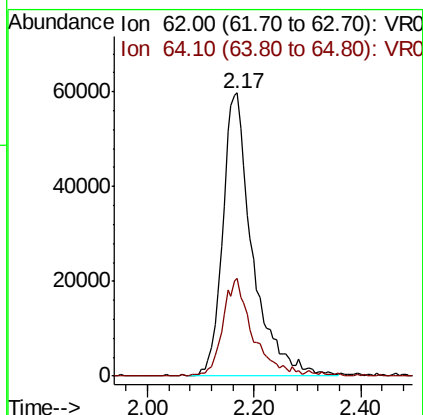
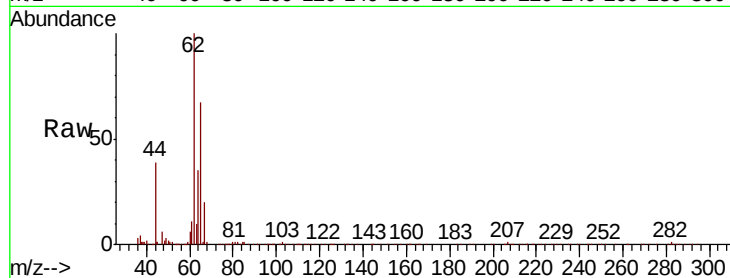
VICV86

Tgt Ion: 62 Resp: 230509

Ion Ratio Lower Upper

62 100

64 34.7 25.6 47.4



#6

Bromomethane

Concen: 5.166 ug/L

RT: 2.52 min Scan# 195

Delta R.T. -0.01 min

Lab File: VR025628.D

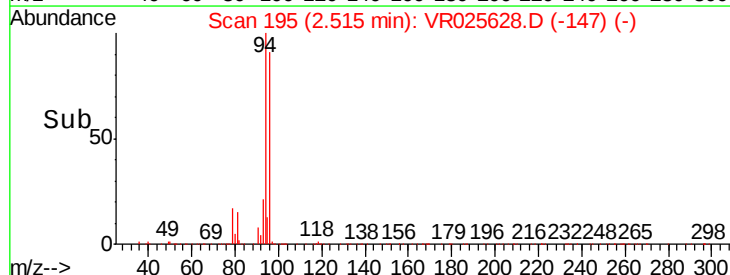
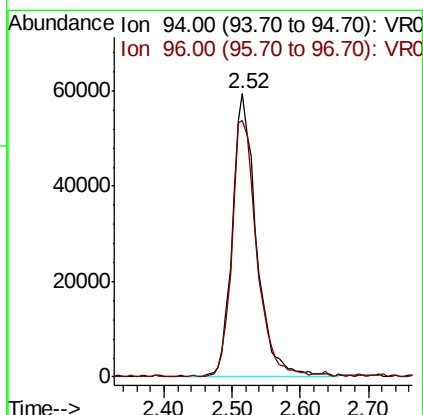
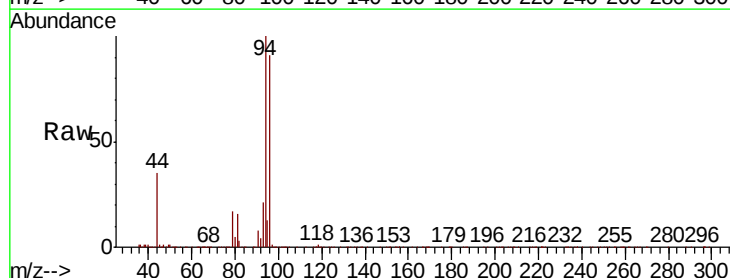
Acq: 21 Aug 2018 17:20

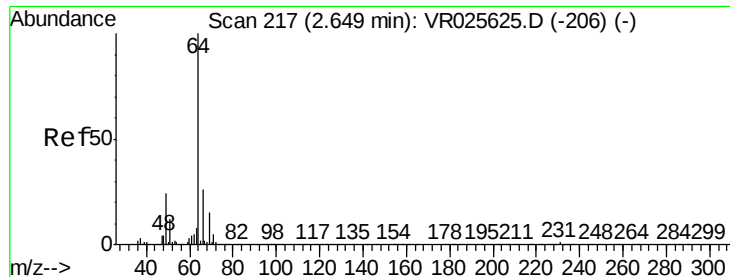
Tgt Ion: 94 Resp: 145966

Ion Ratio Lower Upper

94 100

96 90.6 60.8 112.8

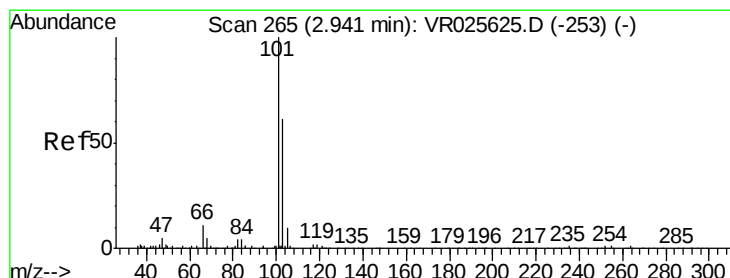
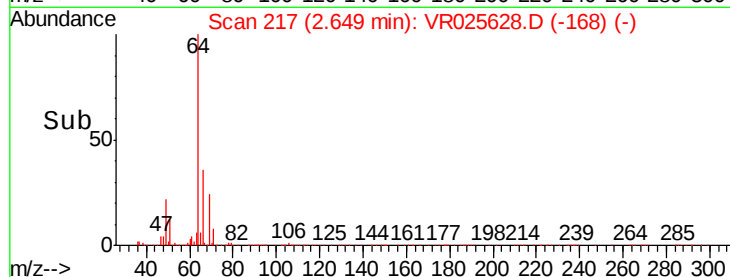
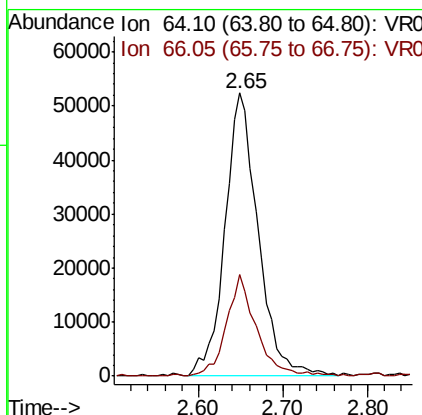
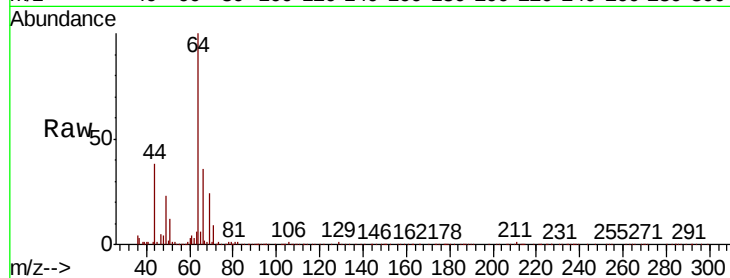




#8
Chloroethane
Concen: 5.457 ug/L
RT: 2.65 min Scan# 217
Delta R.T. 0.00 min
Lab File: VR025628.D
Acq: 21 Aug 2018 17:20

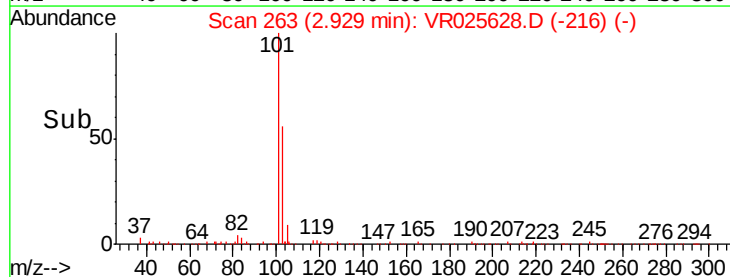
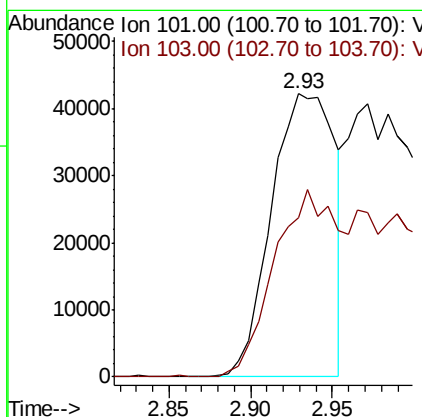
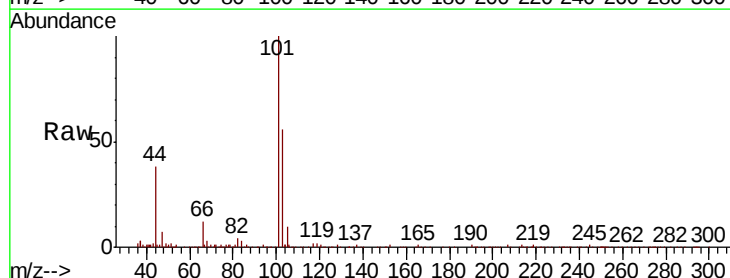
Instrument :
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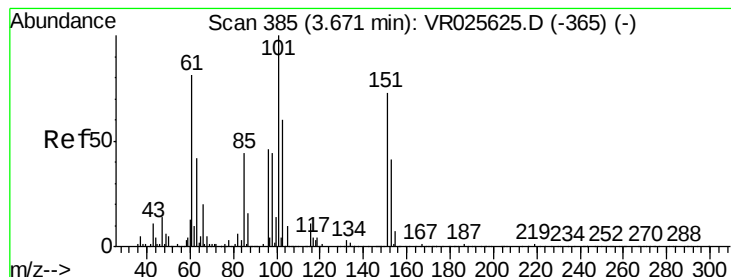
Tgt Ion: 64 Resp: 139400
Ion Ratio Lower Upper
64 100
66 36.0 18.2 33.8#



#9
Trichlorofluoromethane
Concen: 1.884 ug/L
RT: 2.93 min Scan# 263
Delta R.T. -0.01 min
Lab File: VR025628.D
Acq: 21 Aug 2018 17:20

Tgt Ion: 101 Resp: 113537
Ion Ratio Lower Upper
101 100
103 69.6 16.4 24.6#





#10

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

Concen: 5.458 ug/L

RT: 3.67 min Scan# 385

Delta R.T. 0.00 min

Lab File: VR025628.D

Acq: 21 Aug 2018 17:20

Instrument :

MSVOA_R

ClientSampleId :

VICV86

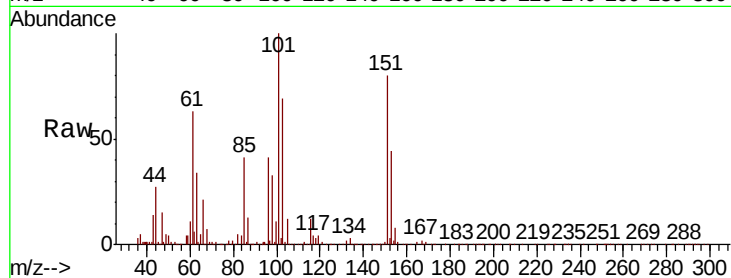
Tgt Ion: 101 Resp: 200454

Ion Ratio Lower Upper

101 100

85 44.5 35.6 53.4

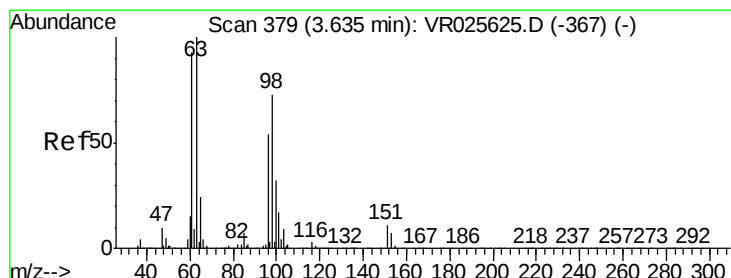
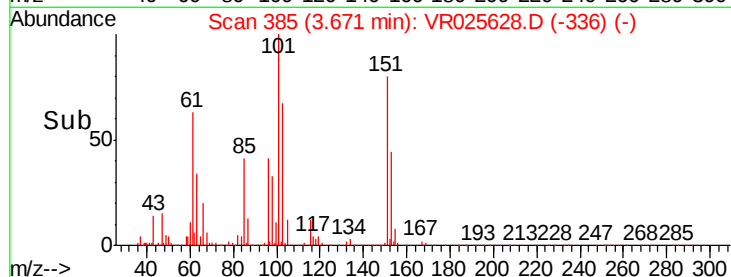
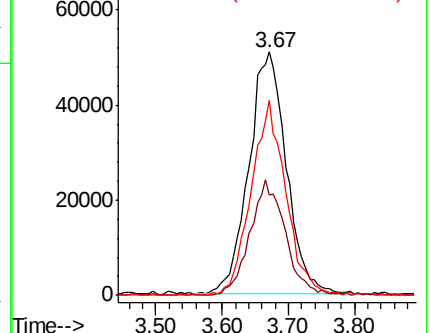
151 74.0 59.1 88.7



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: 5.241 ug/L

RT: 3.64 min Scan# 380

Delta R.T. 0.01 min

Lab File: VR025628.D

Acq: 21 Aug 2018 17:20

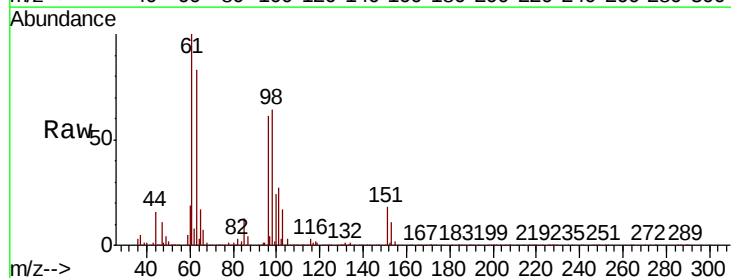
Tgt Ion: 96 Resp: 212997

Ion Ratio Lower Upper

96 100

61 163.1 119.8 222.6

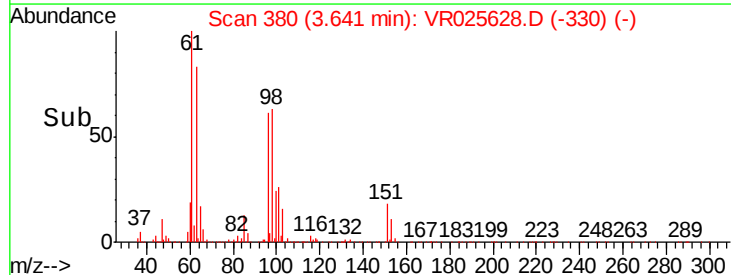
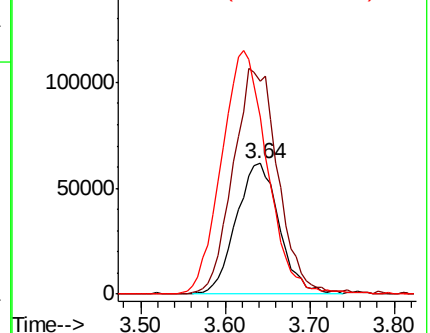
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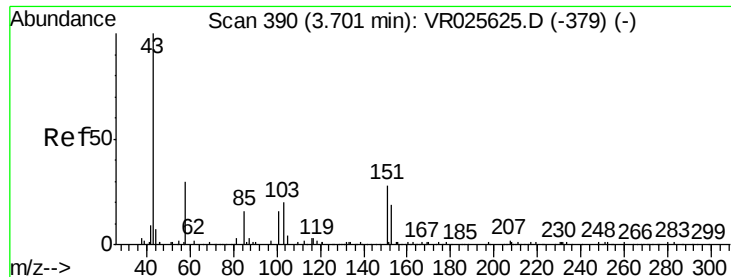


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 48.621 ug/L

RT: 3.70 min Scan# 389

Delta R.T. -0.01 min

Lab File: VR025628.D

Acq: 21 Aug 2018 17:20

Instrument :

MSVOA_R

ClientSampled :

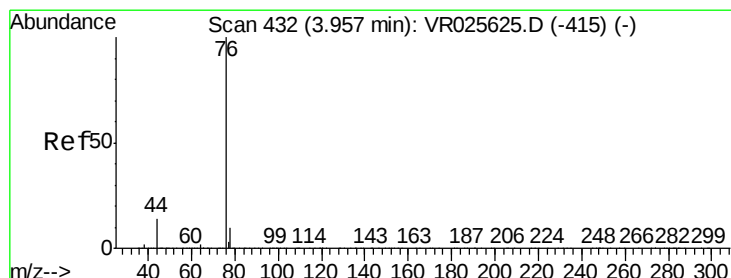
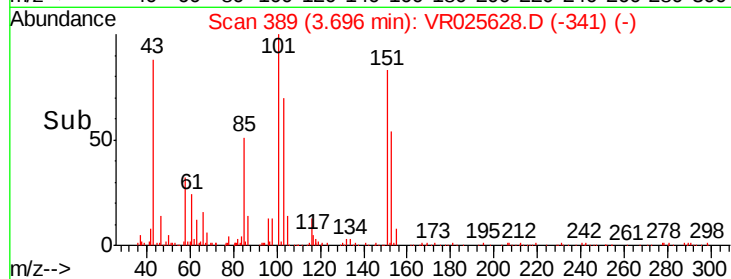
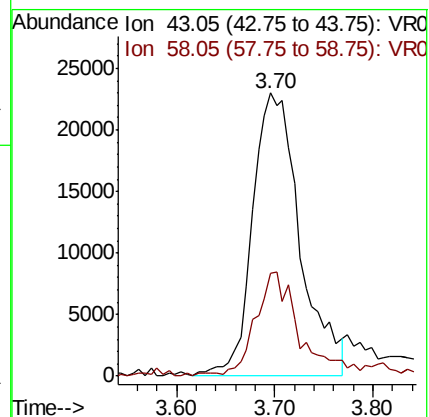
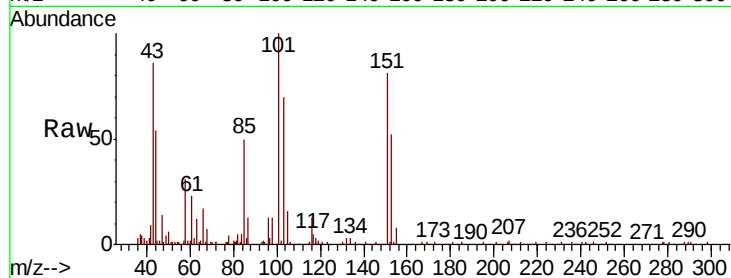
VICV86

Tgt Ion: 43 Resp: 77745

Ion Ratio Lower Upper

43 100

58 32.1 0.0 63.4



#14

Carbon disulfide

Concen: 5.364 ug/L

RT: 3.95 min Scan# 431

Delta R.T. -0.01 min

Lab File: VR025628.D

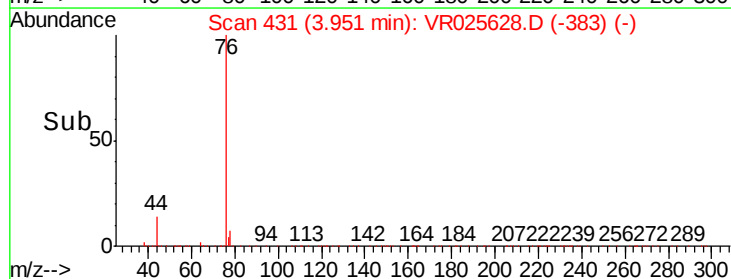
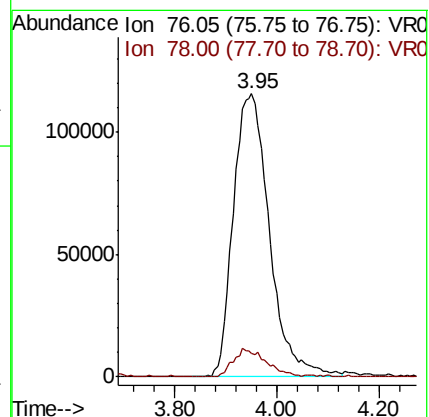
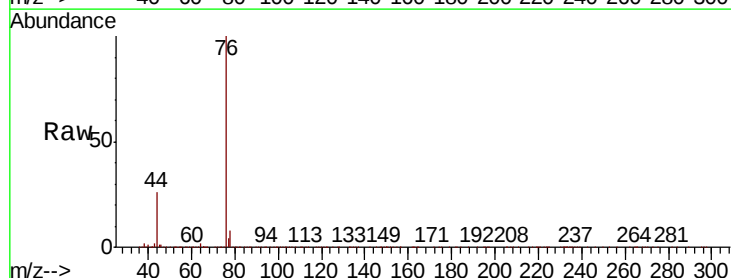
Acq: 21 Aug 2018 17:20

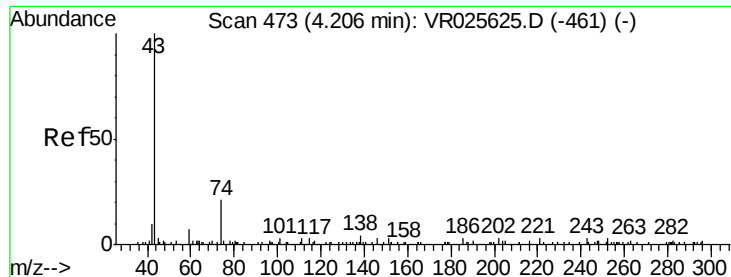
Tgt Ion: 76 Resp: 567339

Ion Ratio Lower Upper

76 100

78 8.1 8.1 12.1





#15

Methyl Acetate

Concen: 4.762 ug/L

RT: 4.19 min Scan# 471

Delta R.T. -0.01 min

Lab File: VR025628.D

Acq: 21 Aug 2018 17:20

Instrument :

MSVOA_R

ClientSampleId :

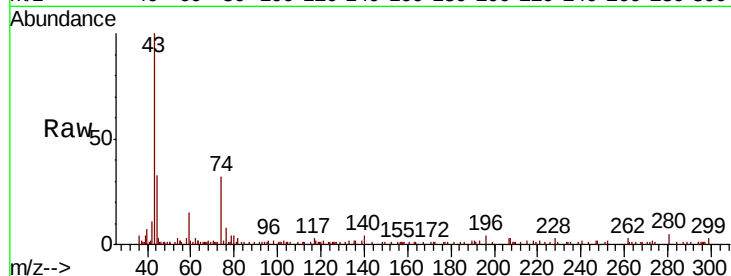
VICV86

Tgt Ion: 43 Resp: 28789

Ion Ratio Lower Upper

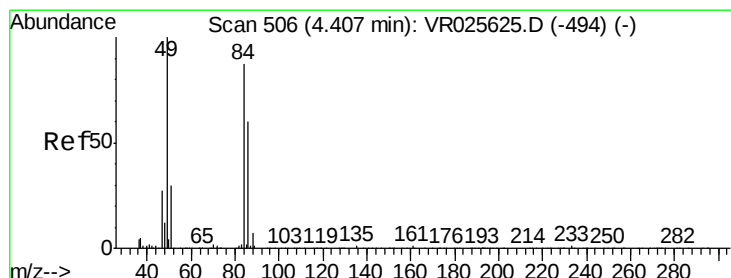
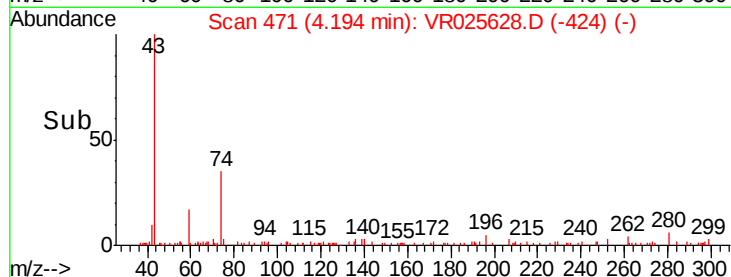
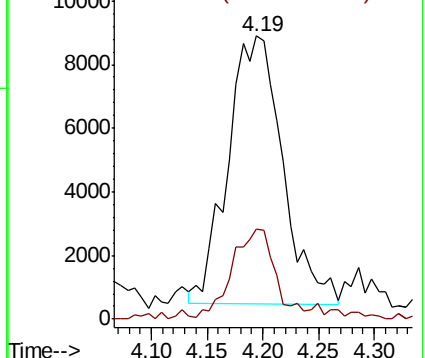
43 100

74 25.5 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: 4.934 ug/L

RT: 4.40 min Scan# 505

Delta R.T. -0.01 min

Lab File: VR025628.D

Acq: 21 Aug 2018 17:20

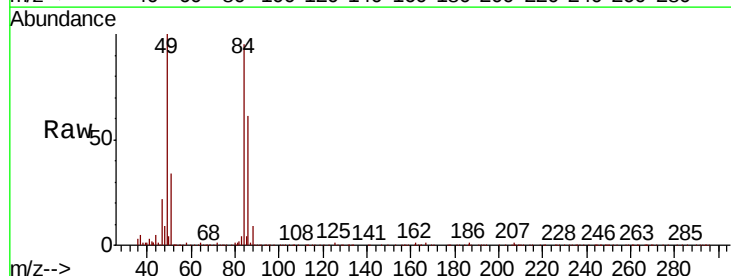
Tgt Ion: 84 Resp: 179928

Ion Ratio Lower Upper

84 100

86 64.0 47.9 88.9

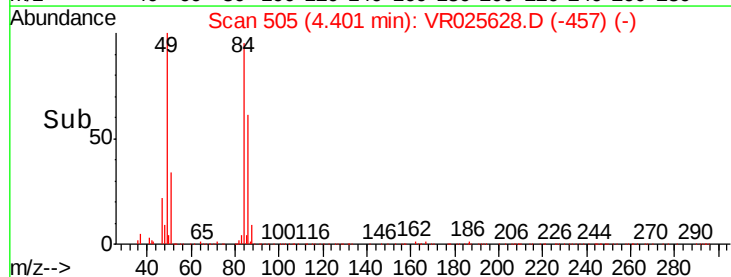
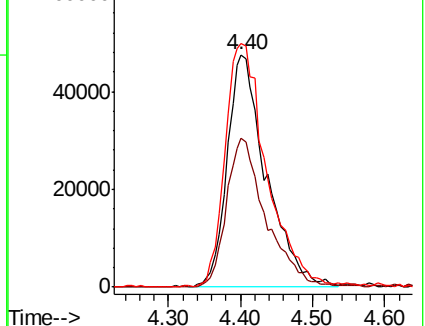
49 104.9 80.3 149.1

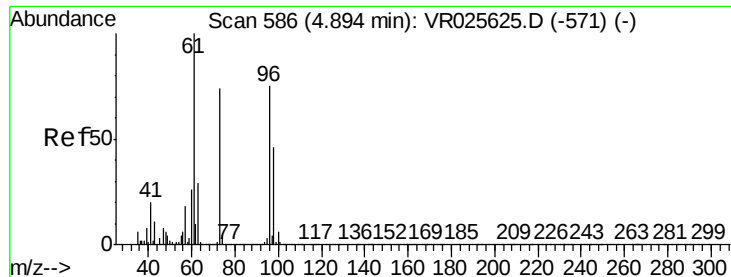


Abundance Ion 84.05 (83.75 to 84.75): VR0

Ion 86.00 (85.70 to 86.70): VR0

Ion 49.10 (48.80 to 49.80): VR0



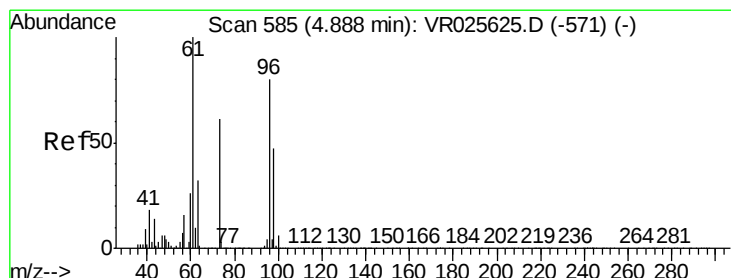
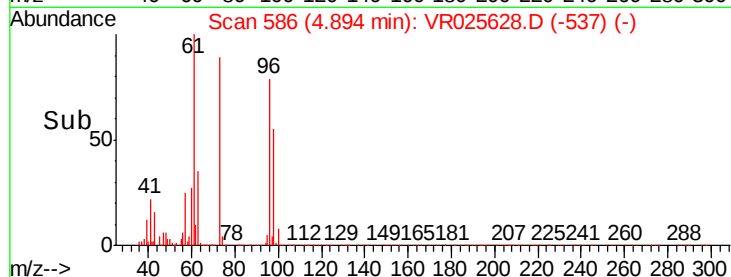
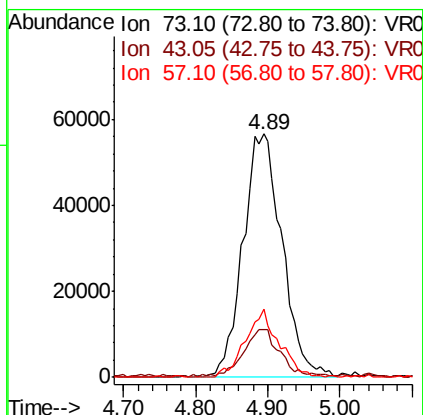
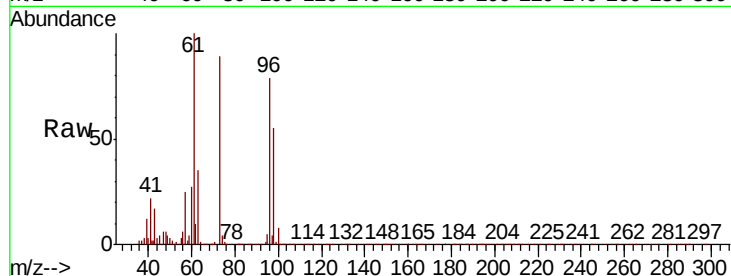


#17

Methyl tert-butyl Ether
 Concen: 5.119 ug/L
 RT: 4.89 min Scan# 586
 Delta R.T. 0.00 min
 Lab File: VR025628.D
 Acq: 21 Aug 2018 17:20

Instrument :
 MSVOA_R
 ClientSampleId :
 VICV86

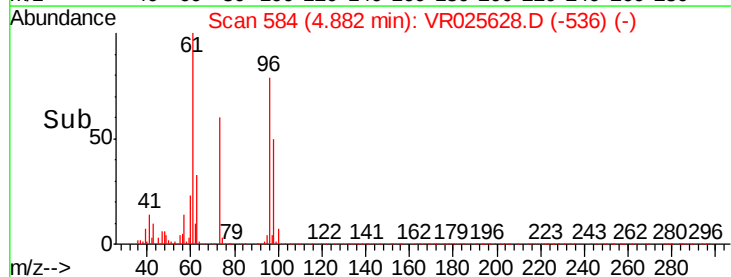
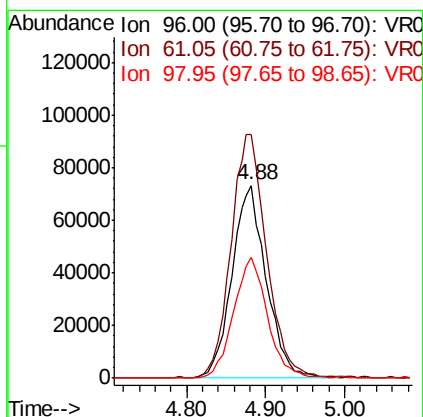
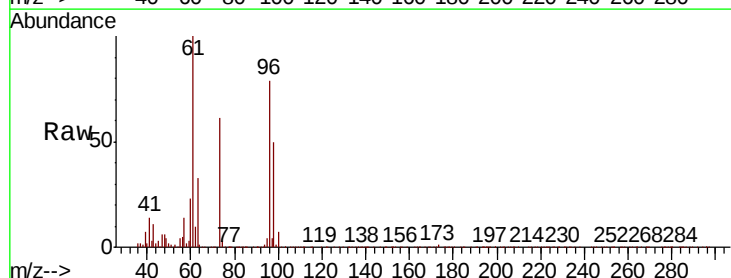
Tgt Ion:	73	Resp:	213317
Ion	Ratio	Lower	Upper
73	100		
43	17.9	14.8	22.2
57	24.0	19.9	29.9

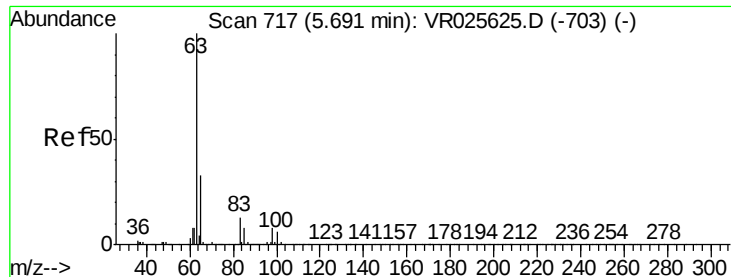


#18

trans-1,2-Dichloroethene
 Concen: 5.103 ug/L
 RT: 4.88 min Scan# 584
 Delta R.T. -0.01 min
 Lab File: VR025628.D
 Acq: 21 Aug 2018 17:20

Tgt Ion:	96	Resp:	218986
Ion	Ratio	Lower	Upper
96	100		
61	126.3	87.5	162.5
98	62.8	41.1	76.3





#19

1,1-Dichloroethane

Concen: 5.037 ug/L

RT: 5.68 min Scan# 716

Delta R.T. -0.01 min

Lab File: VR025628.D

Acq: 21 Aug 2018 17:20

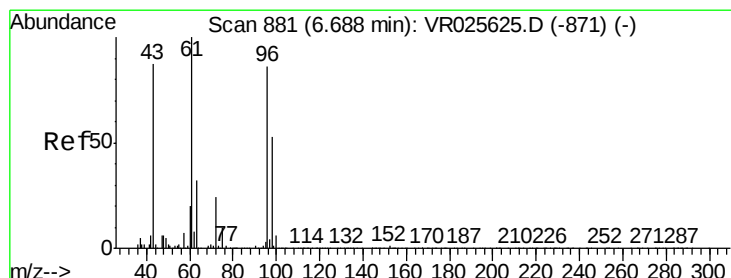
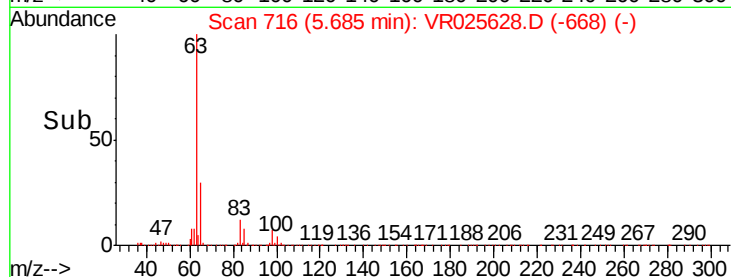
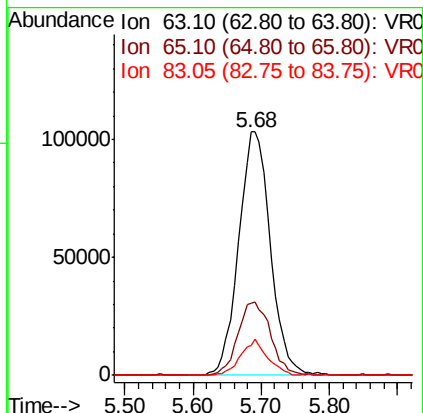
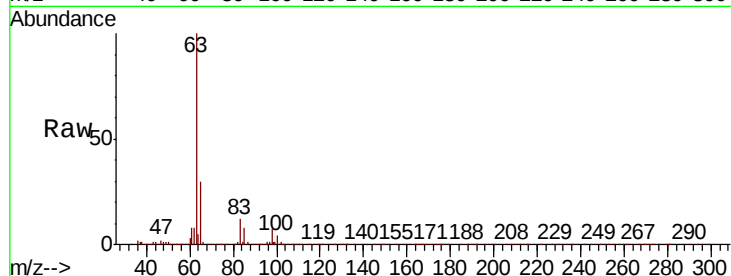
Instrument :

MSVOA_R

ClientSampleId :

VICV86

Tgt Ion:	63	Resp:	334117
Ion	Ratio	Lower	Upper
63	100		
65	29.6	22.9	42.5
83	12.2	9.1	16.9



#21

2-Butanone

Concen: 50.596 ug/L

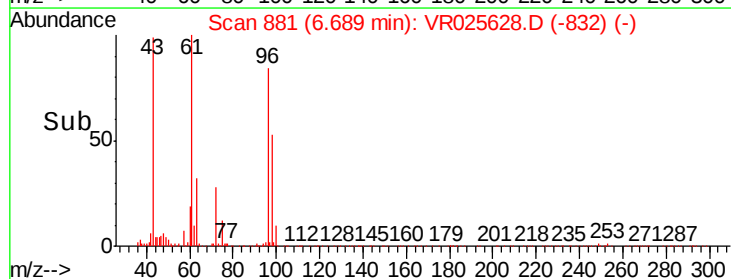
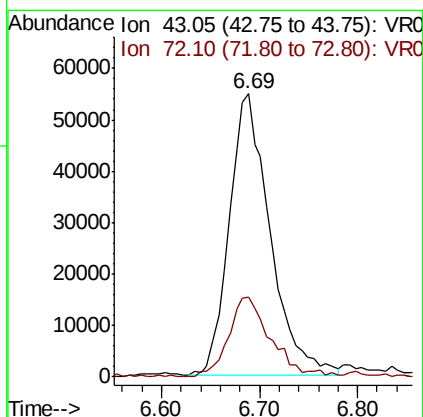
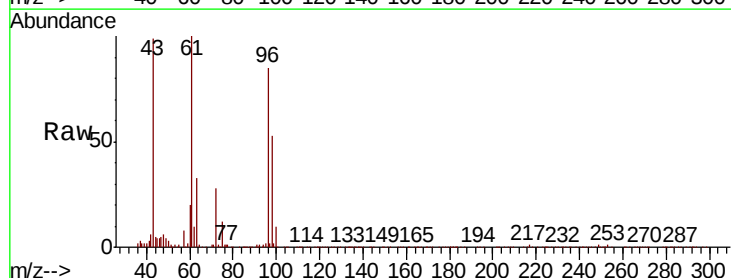
RT: 6.69 min Scan# 881

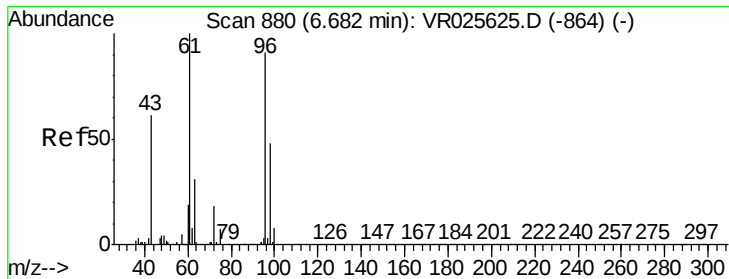
Delta R.T. 0.00 min

Lab File: VR025628.D

Acq: 21 Aug 2018 17:20

Tgt Ion:	43	Resp:	159433
Ion	Ratio	Lower	Upper
43	100		
72	28.3	14.3	42.9



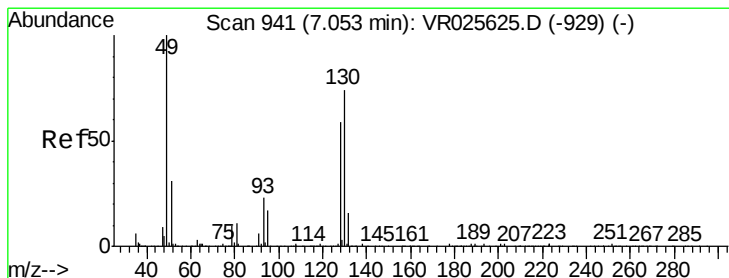
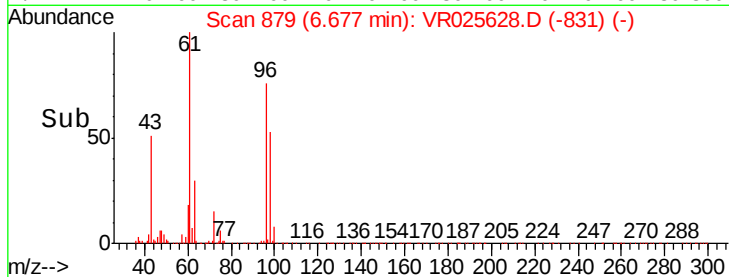
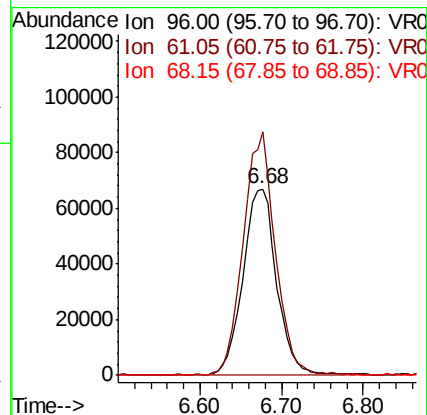
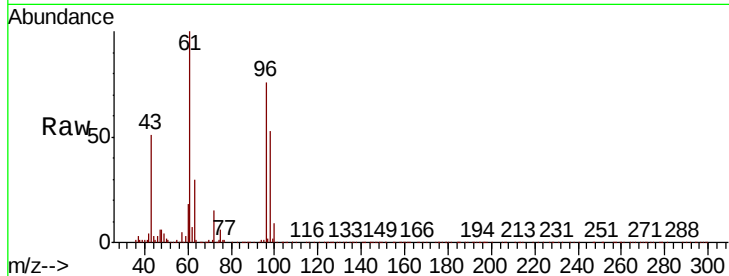


#22

cis-1,2-Dichloroethene
 Concen: 5.186 ug/L
 RT: 6.68 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: VR025628.D
 Acq: 21 Aug 2018 17:20

Instrument :
 MSVOA_R
 ClientSampleId :
 VICV86

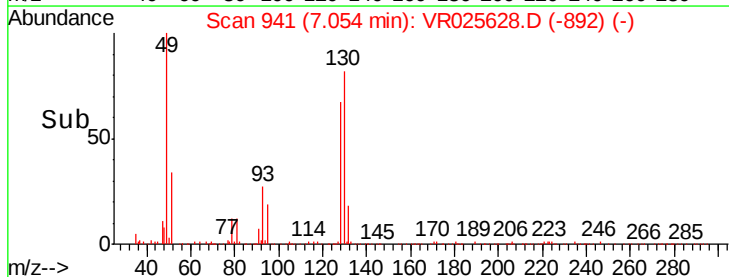
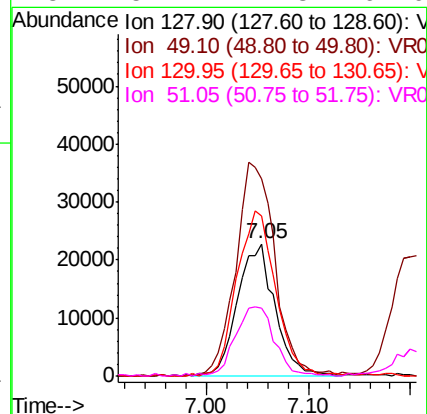
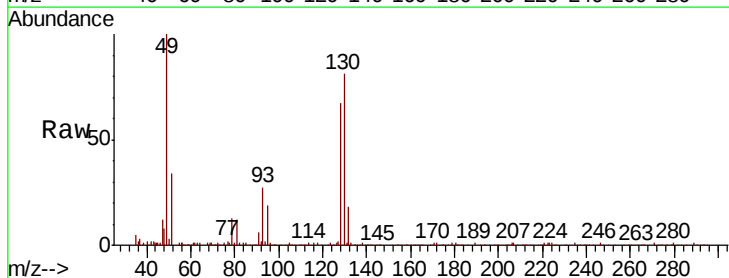
Tgt Ion	Ratio	Lower	Upper
96	100		
61	130.9	76.7	142.5
68	0.4	0.1	0.3#

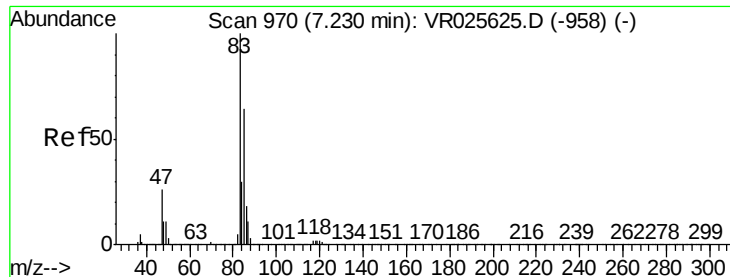


#23

Bromochloromethane
 Concen: 5.074 ug/L
 RT: 7.05 min Scan# 941
 Delta R.T. 0.00 min
 Lab File: VR025628.D
 Acq: 21 Aug 2018 17:20

Tgt Ion	Ratio	Lower	Upper
128	100		
49	148.7	118.1	219.3
130	121.1	87.6	162.6
51	51.1	41.3	61.9





#25

Chloroform

Concen: 5.090 ug/L

RT: 7.23 min Scan# 970

Delta R.T. 0.00 min

Lab File: VR025628.D

Acq: 21 Aug 2018 17:20

Instrument :

MSVOA_R

ClientSampleId :

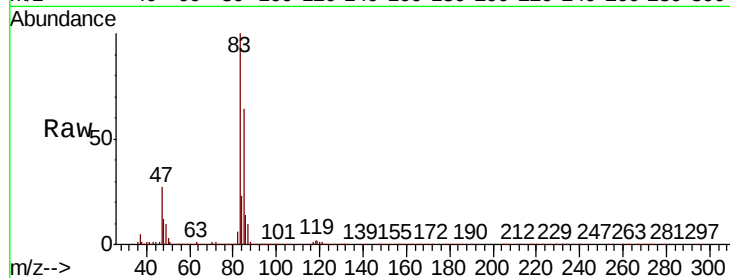
VICV86

Tgt Ion: 83 Resp: 293354

Ion Ratio Lower Upper

83 100

85 64.2 45.1 83.7



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0

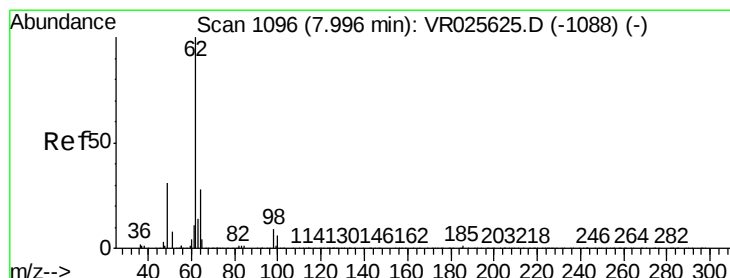
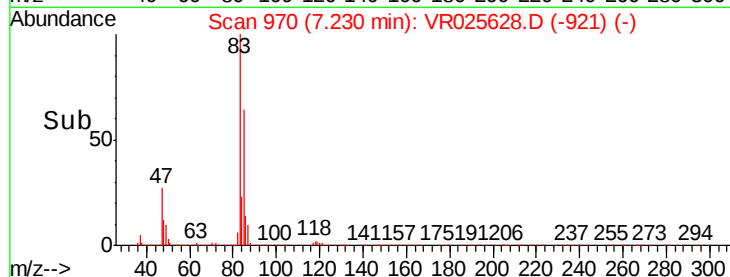
7.23

100000

50000

0

Time-->



#27

1,2-Dichloroethane

Concen: 5.266 ug/L

RT: 7.99 min Scan# 1095

Delta R.T. -0.01 min

Lab File: VR025628.D

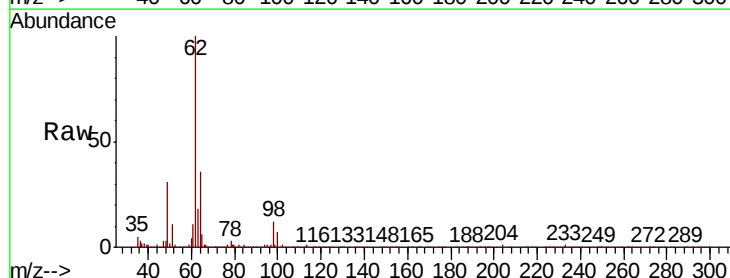
Acq: 21 Aug 2018 17:20

Tgt Ion: 62 Resp: 113481

Ion Ratio Lower Upper

62 100

98 11.6 7.1 10.7#



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0

60000

50000

40000

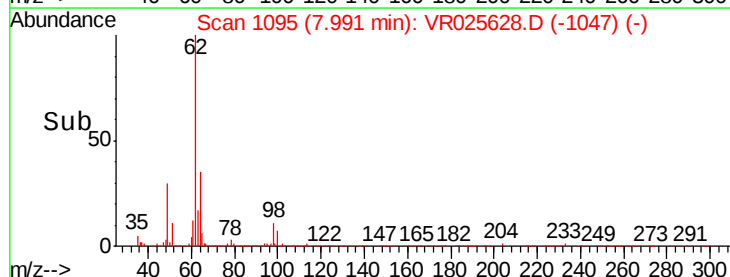
30000

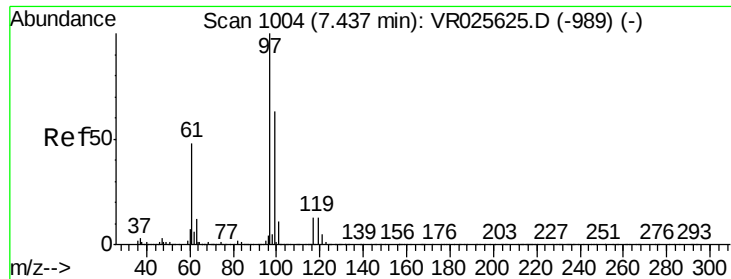
20000

10000

0

Time-->

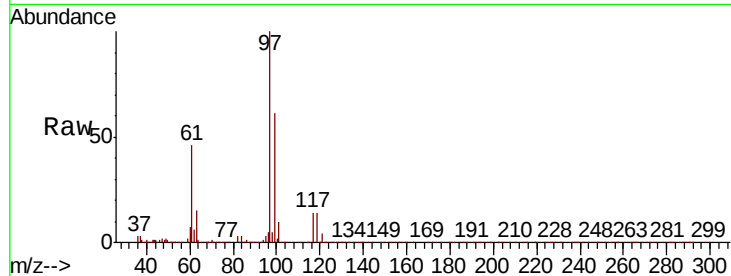




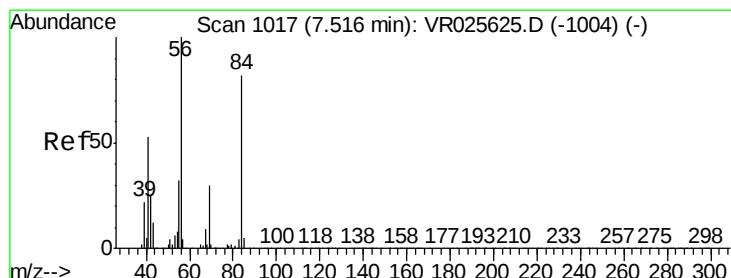
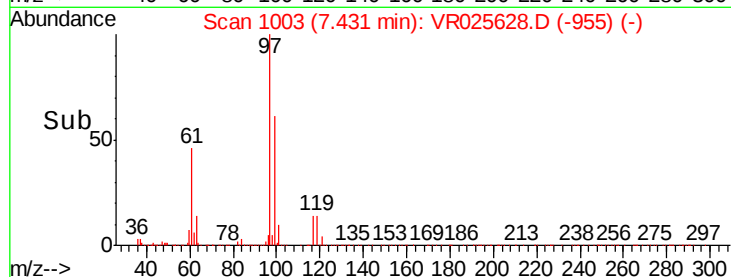
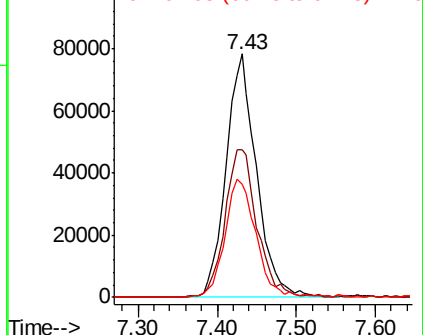
#29
1,1,1-Trichloroethane
Concen: 4.993 ug/L
RT: 7.43 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VR025628.D
Acq: 21 Aug 2018 17:20

Instrument :
MSVOA_R
ClientSampleId :
VICV86

Tgt Ion:	97	Resp:	209389
Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.6	79.0
61	49.3	39.6	59.4

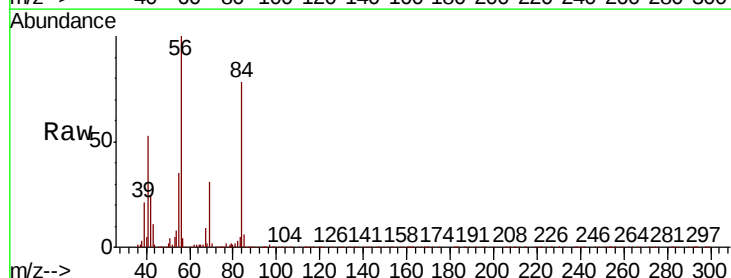


Abundance Ion 96.95 (96.65 to 97.65): VR0
Ion 99.05 (98.75 to 99.75): VR0
Ion 61.05 (60.75 to 61.75): VR0

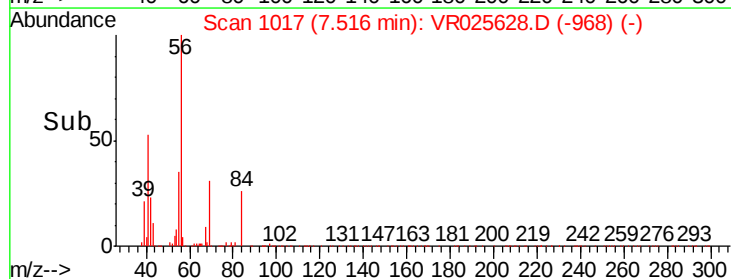
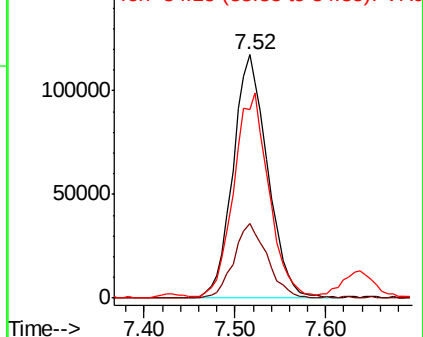


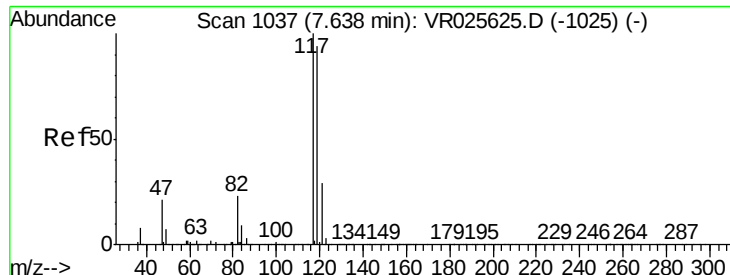
#30
Cyclohexane
Concen: 5.739 ug/L
RT: 7.52 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VR025628.D
Acq: 21 Aug 2018 17:20

Tgt Ion:	56	Resp:	309671
Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.8	35.8
84	85.6	68.2	102.4



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: 5.325 ug/L

RT: 7.64 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VR025628.D

Acq: 21 Aug 2018 17:20

Instrument :

MSVOA_R

ClientSampleId :

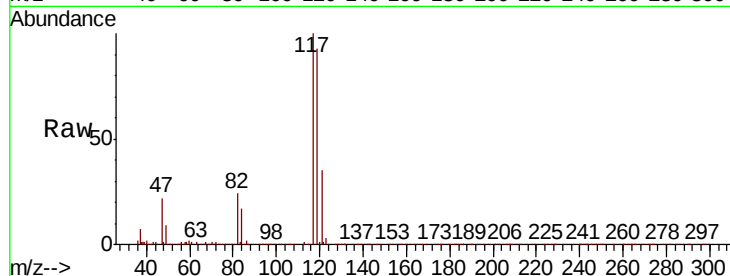
VICV86

Tgt Ion:117 Resp: 196011

Ion Ratio Lower Upper

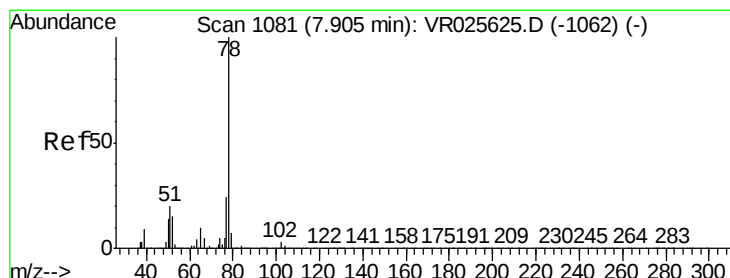
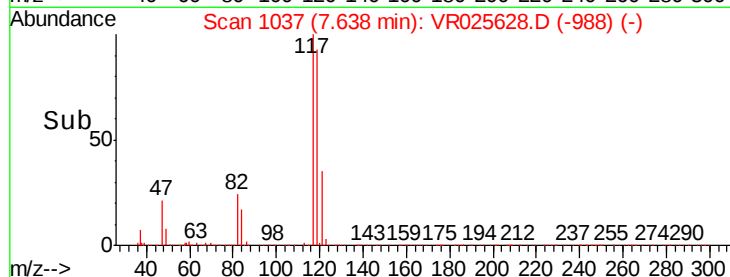
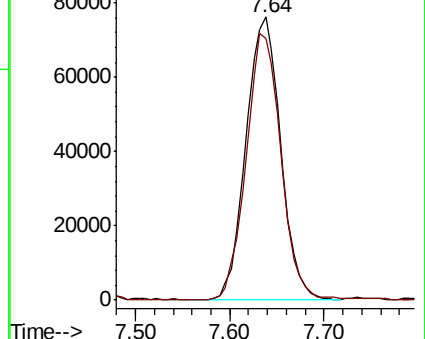
117 100

119 93.0 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.202 ug/L

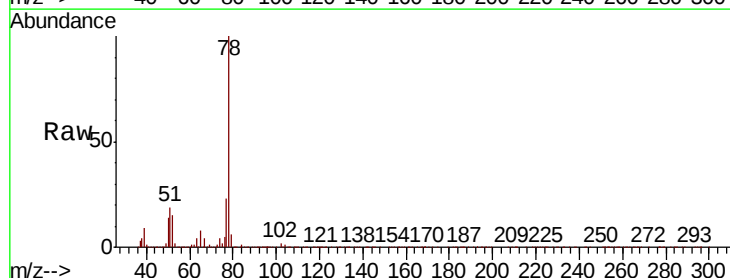
RT: 7.91 min Scan# 1081

Delta R.T. 0.00 min

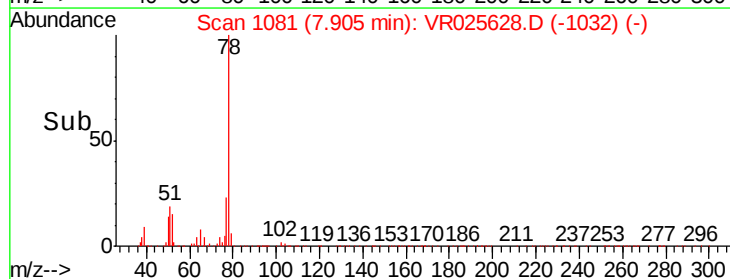
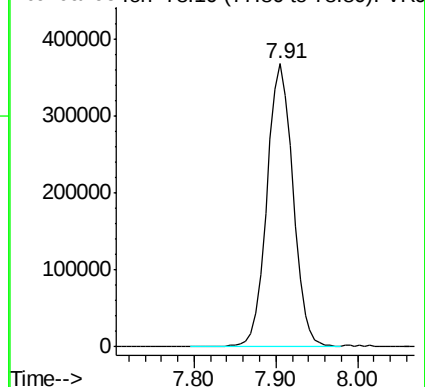
Lab File: VR025628.D

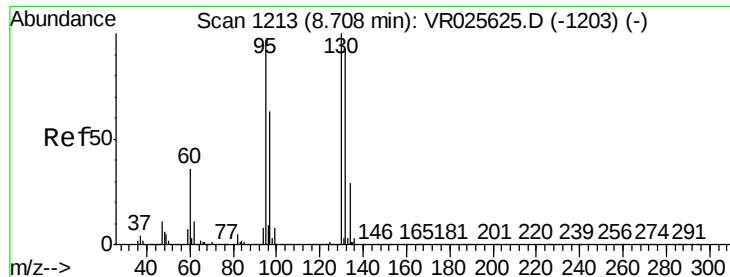
Acq: 21 Aug 2018 17:20

Tgt Ion: 78 Resp: 818936



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 5.277 ug/L

RT: 8.71 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VR025628.D

Acq: 21 Aug 2018 17:20

Instrument :

MSVOA_R

ClientSampled :

VICV86

Tgt Ion: 95 Resp: 190289

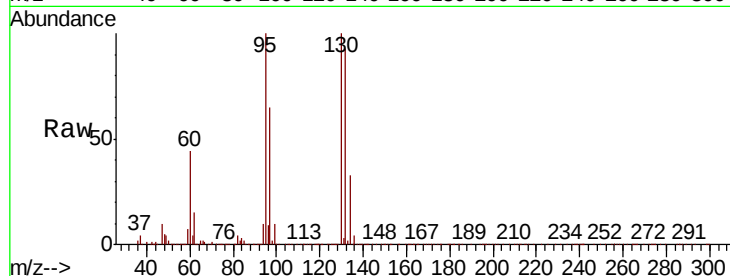
Ion Ratio Lower Upper

95 100

97 64.8 45.7 84.9

132 93.5 66.6 123.6

130 100.2 72.2 134.0

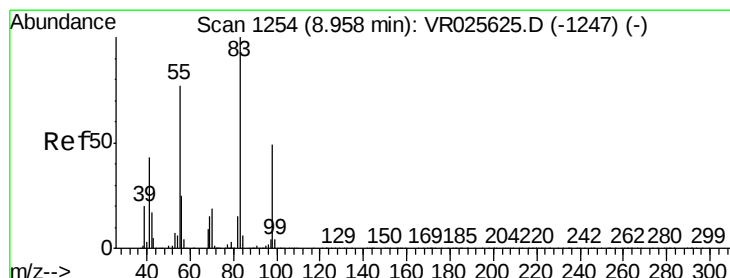
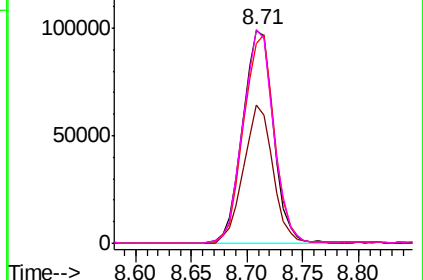
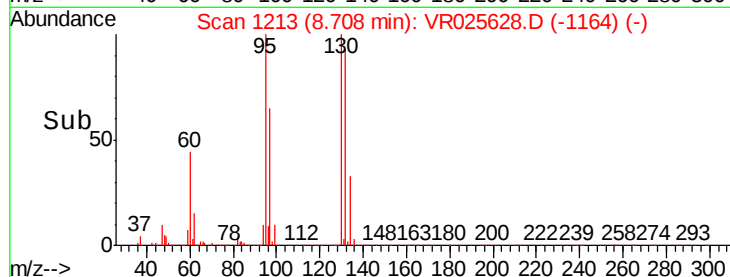


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 5.862 ug/L

RT: 8.96 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VR025628.D

Acq: 21 Aug 2018 17:20

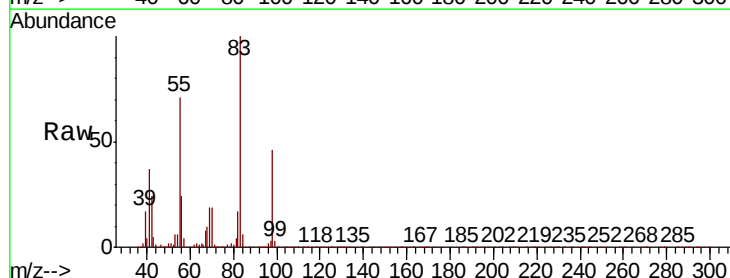
Tgt Ion: 83 Resp: 343906

Ion Ratio Lower Upper

83 100

55 71.9 56.7 85.1

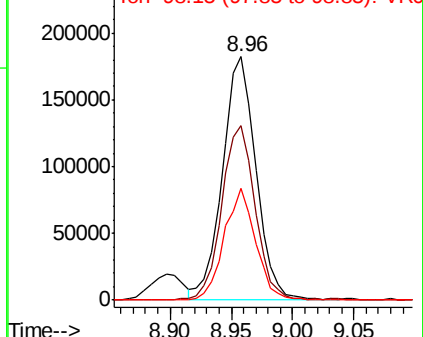
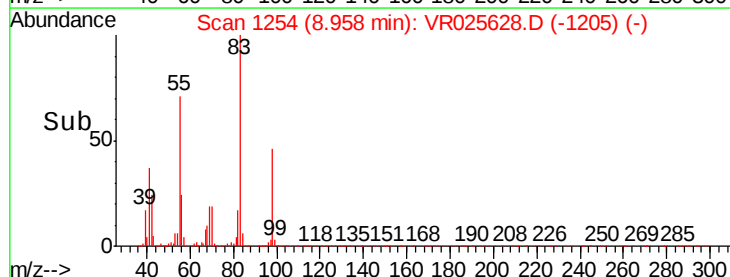
98 43.2 35.8 53.8

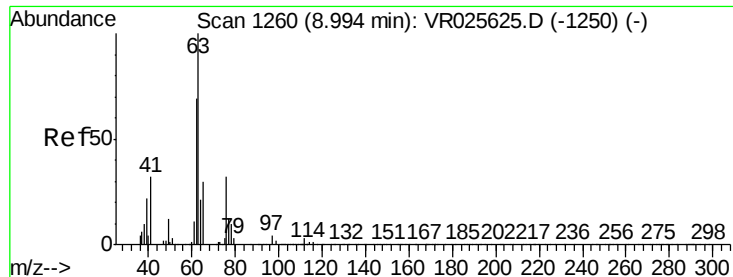


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

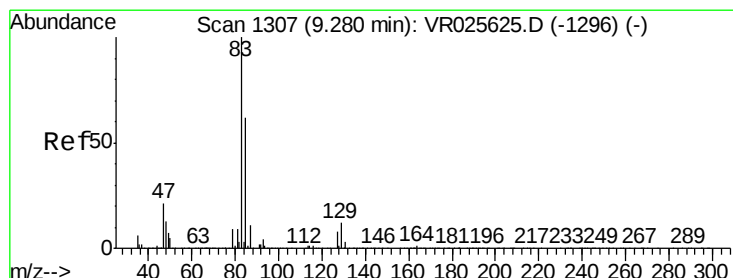
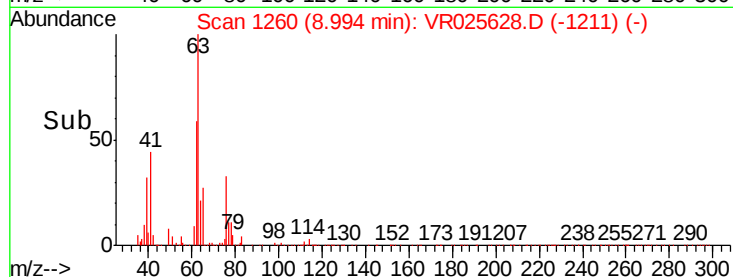
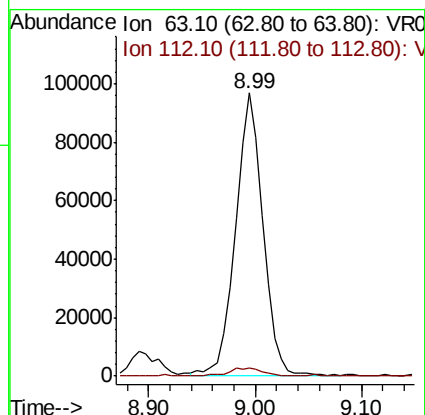
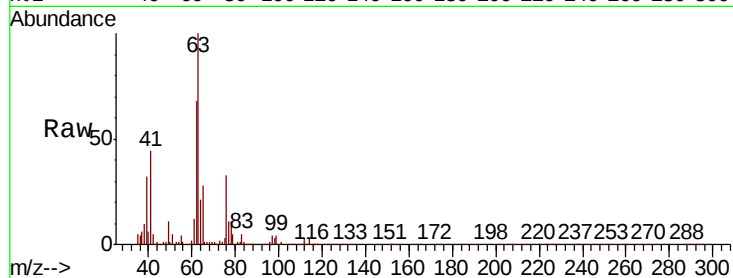




#37
 1,2-Dichloropropane
 Concen: 5.044 ug/L
 RT: 8.99 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VR025628.D
 Acq: 21 Aug 2018 17:20

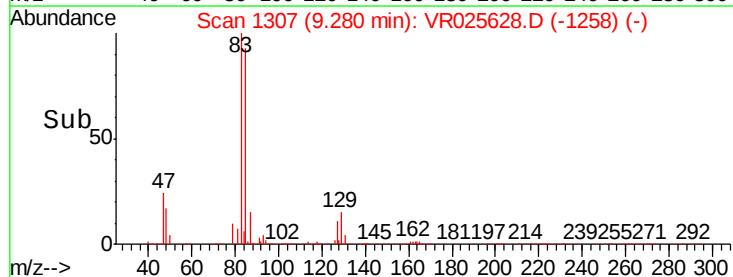
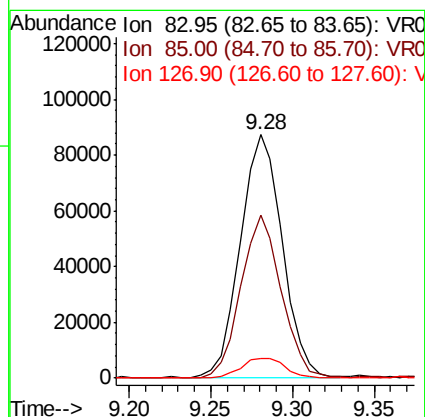
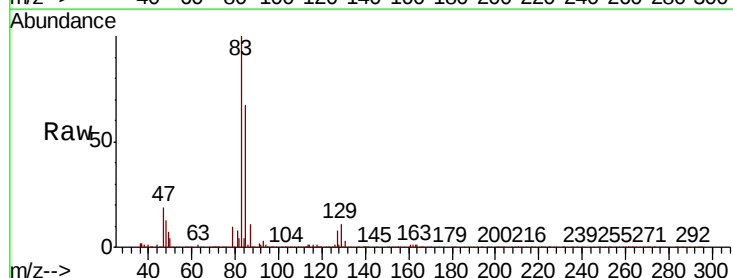
Instrument :
 MSVOA_R
 ClientSampled :
 VICV86

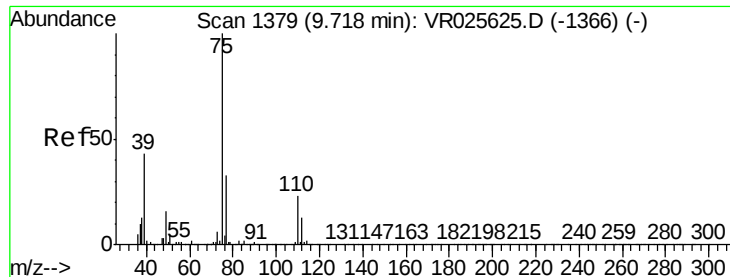
Tgt Ion: 63 Resp: 174329
 Ion Ratio Lower Upper
 63 100
 112 3.6 2.5 3.7



#38
 Bromodichloromethane
 Concen: 5.158 ug/L
 RT: 9.28 min Scan# 1307
 Delta R.T. 0.00 min
 Lab File: VR025628.D
 Acq: 21 Aug 2018 17:20

Tgt Ion: 83 Resp: 155586
 Ion Ratio Lower Upper
 83 100
 85 66.8 43.2 80.2
 127 8.0 6.4 9.6

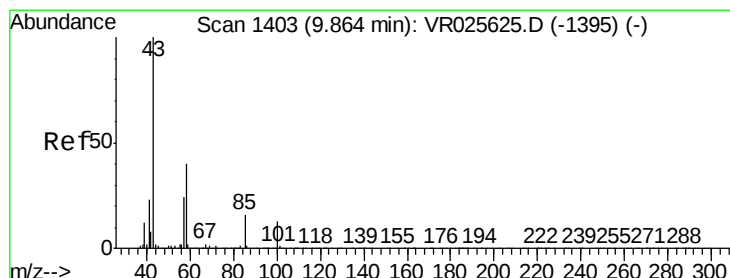
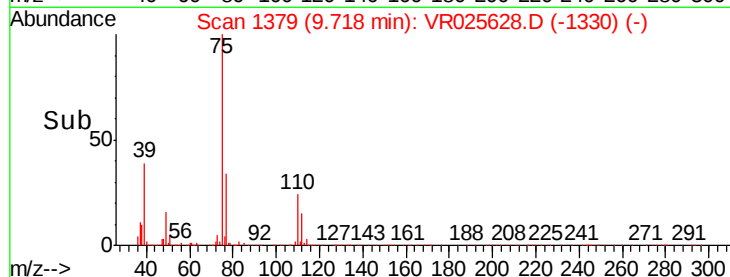
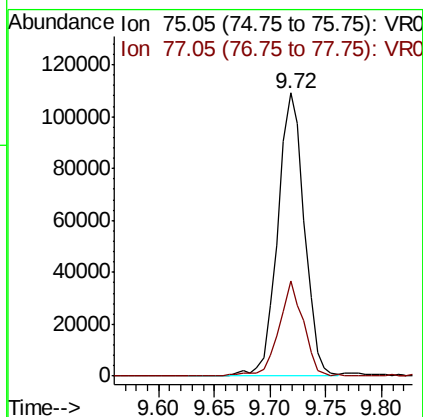
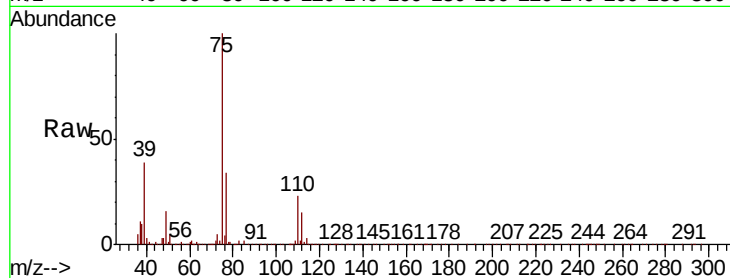




#39
 cis-1,3-Dichloropropene
 Concen: 5.097 ug/L
 RT: 9.72 min Scan# 1379
 Delta R.T. 0.00 min
 Lab File: VR025628.D
 Acq: 21 Aug 2018 17:20

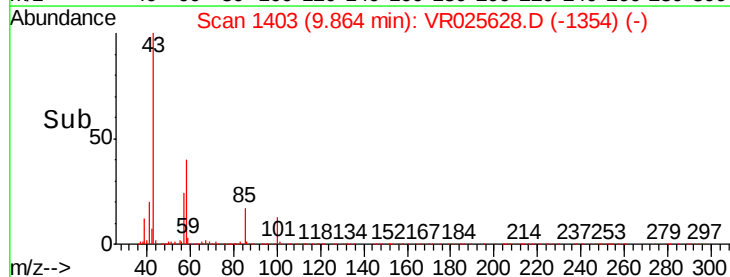
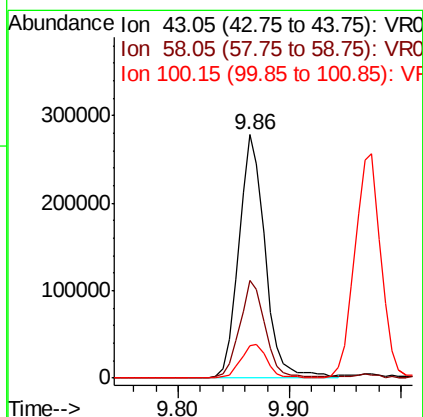
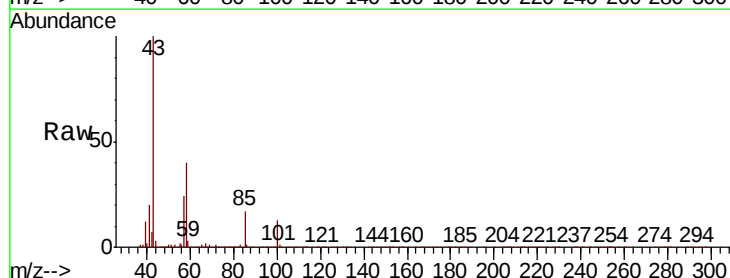
Instrument :
 MSVOA_R
 ClientSampled :
 VICV86

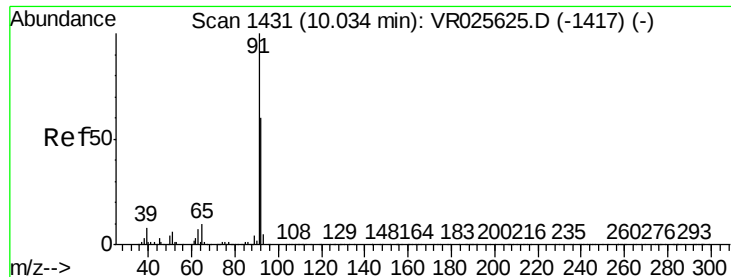
Tgt Ion: 75 Resp: 180538
 Ion Ratio Lower Upper
 75 100
 77 33.8 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 54.234 ug/L
 RT: 9.86 min Scan# 1403
 Delta R.T. 0.00 min
 Lab File: VR025628.D
 Acq: 21 Aug 2018 17:20

Tgt Ion: 43 Resp: 454028
 Ion Ratio Lower Upper
 43 100
 58 38.8 31.4 47.2
 100 14.1 11.5 17.3





#42

Toluene

Concen: 5.352 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VR025628.D

Acq: 21 Aug 2018 17:20

Instrument :

MSVOA_R

ClientSampled :

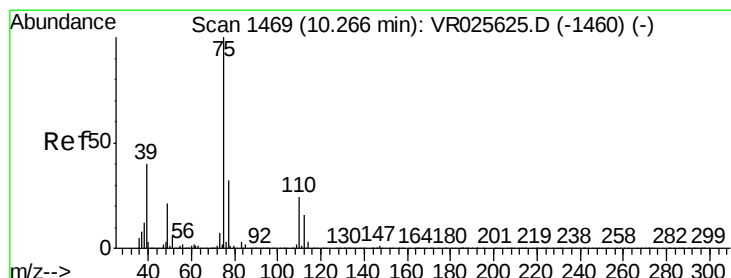
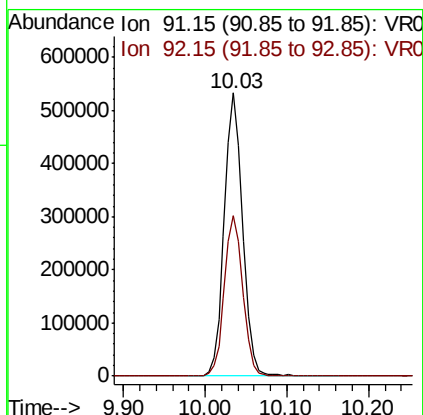
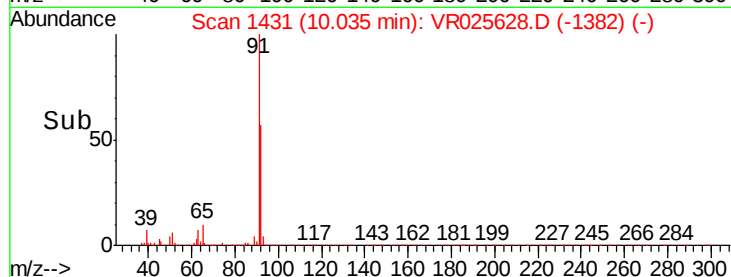
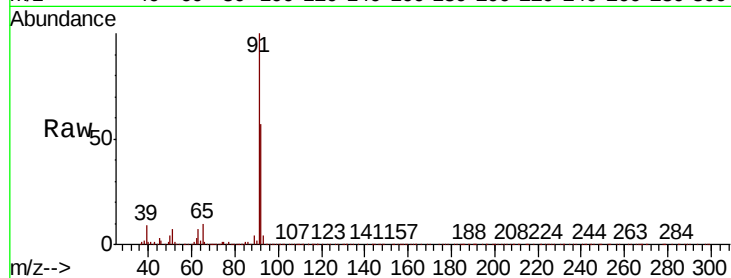
VICV86

Tgt Ion: 91 Resp: 826727

Ion Ratio Lower Upper

91 100

92 56.9 42.0 78.0



#44

trans-1,3-Dichloropropene

Concen: 4.977 ug/L

RT: 10.27 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VR025628.D

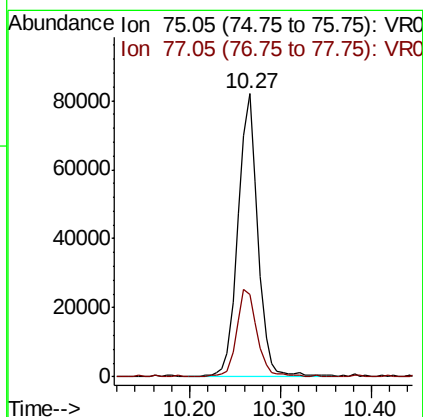
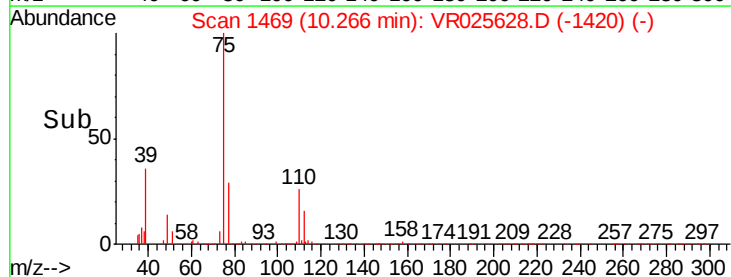
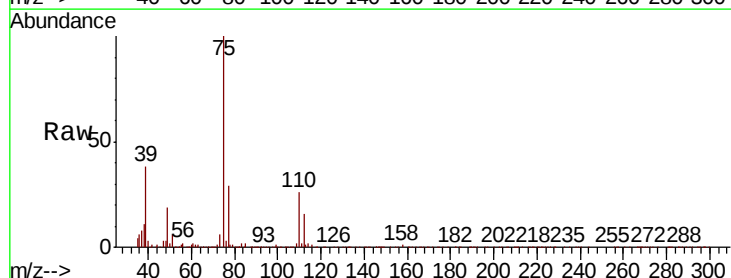
Acq: 21 Aug 2018 17:20

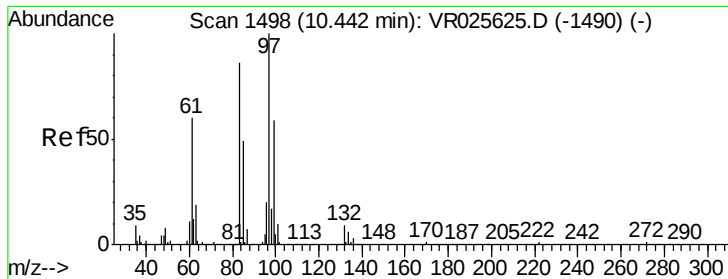
Tgt Ion: 75 Resp: 124424

Ion Ratio Lower Upper

75 100

77 29.0 22.3 41.5

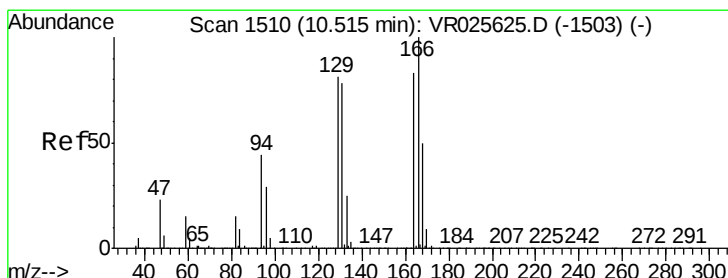
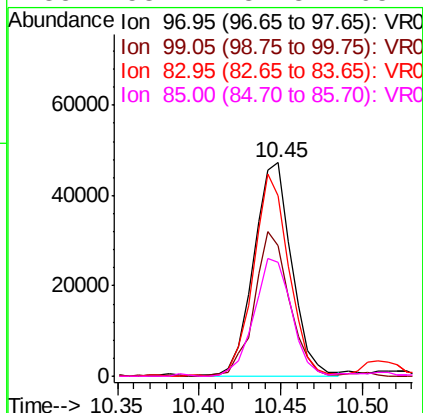
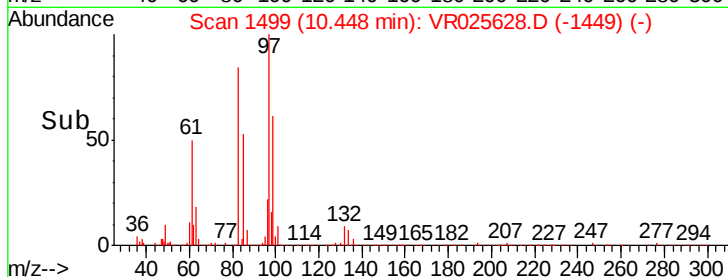
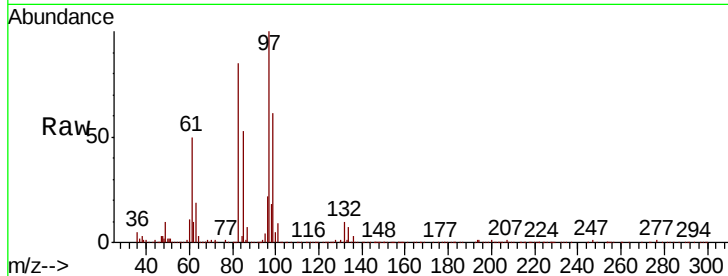




#45
 1,1,2-Trichloroethane
 Concen: 4.998 ug/L
 RT: 10.45 min Scan# 1499
 Delta R.T. 0.01 min
 Lab File: VR025628.D
 Acq: 21 Aug 2018 17:20

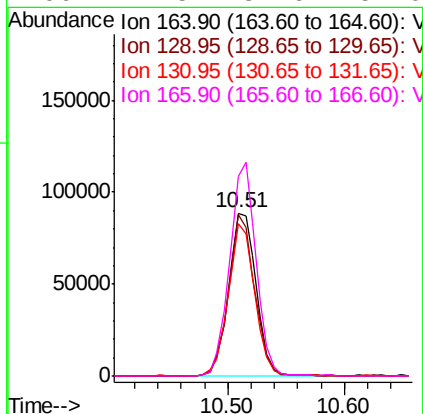
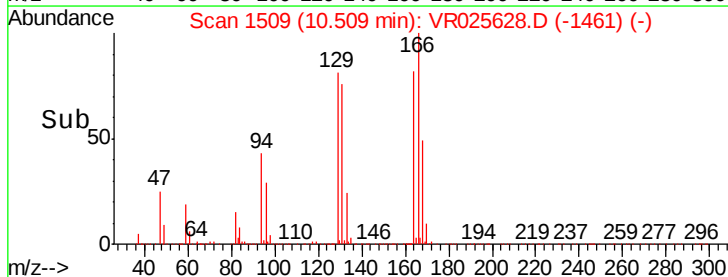
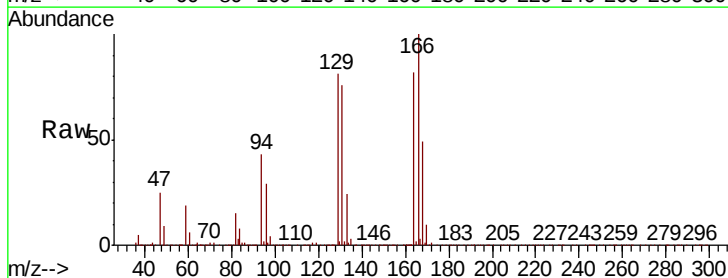
Instrument :
 MSVOA_R
 ClientSampled :
 VICV86

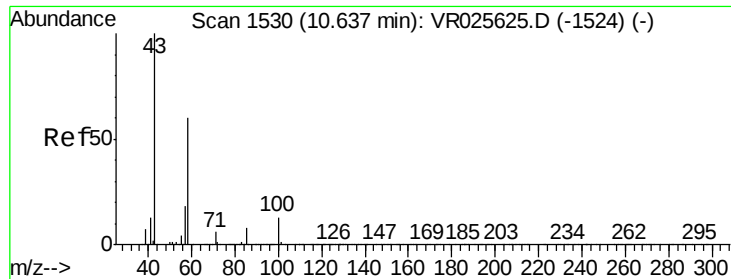
Tgt Ion:	97	Resp:	76216
Ion	Ratio	Lower	Upper
97	100		
99	61.3	41.2	76.6
83	84.7	60.1	111.7
85	53.2	34.3	63.7



#47
 Tetrachloroethene
 Concen: 5.260 ug/L
 RT: 10.51 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VR025628.D
 Acq: 21 Aug 2018 17:20

Tgt Ion:	164	Resp:	145039
Ion	Ratio	Lower	Upper
164	100		
129	99.3	68.7	127.5
131	93.4	66.4	123.4
166	122.5	84.6	157.0

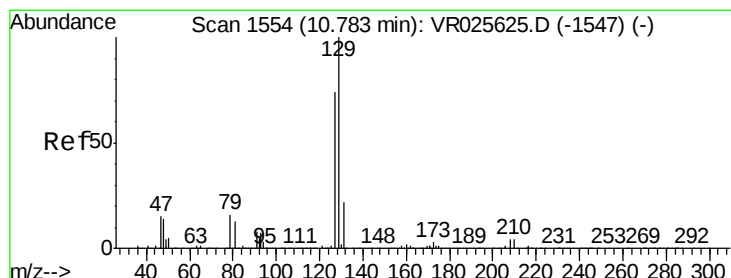
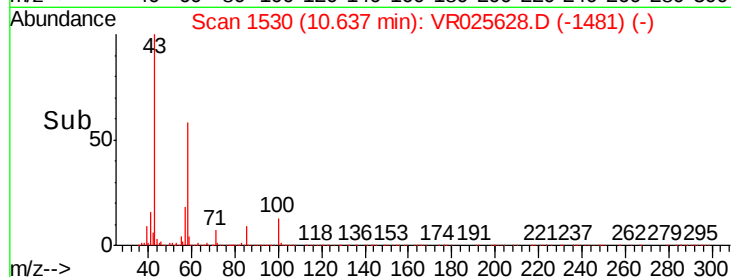
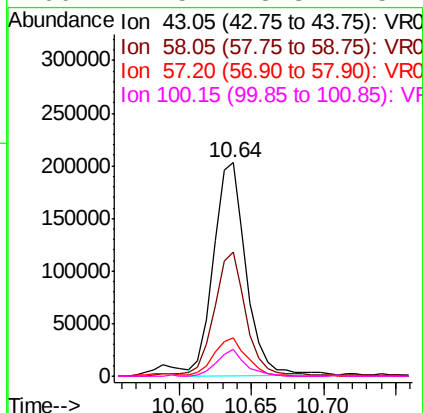
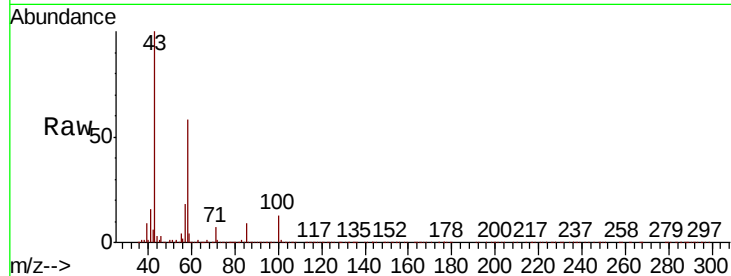




#48
2-Hexanone
Concen: 54.288 ug/L
RT: 10.64 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VR025628.D
Acq: 21 Aug 2018 17:20

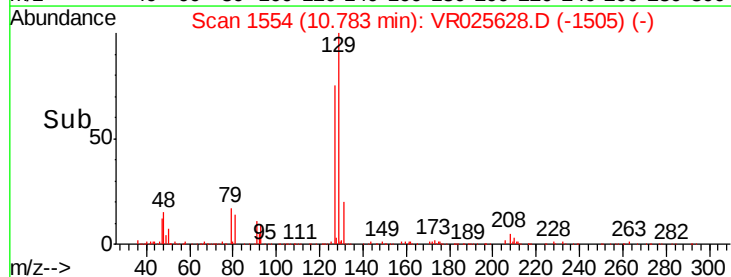
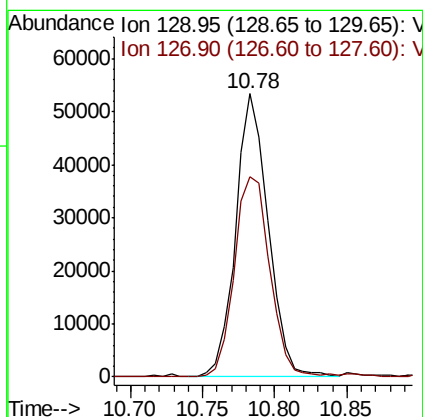
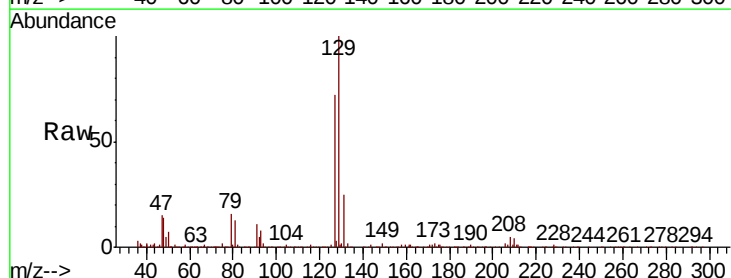
Instrument :
MSVOA_R
ClientSampleId :
VICV86

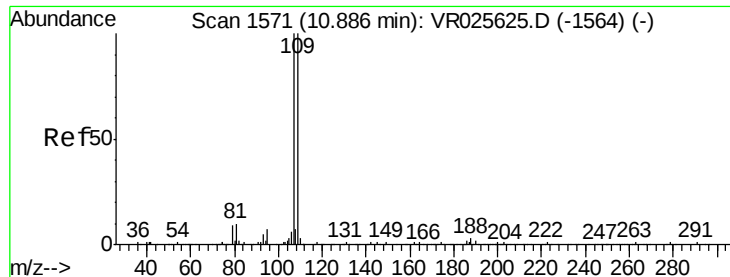
Tgt Ion:	43	Resp:	316810
Ion	Ratio	Lower	Upper
43	100		
58	58.3	46.4	69.6
57	18.0	14.3	21.5
100	11.5	8.8	13.2



#49
Dibromochloromethane
Concen: 5.058 ug/L
RT: 10.78 min Scan# 1554
Delta R.T. 0.00 min
Lab File: VR025628.D
Acq: 21 Aug 2018 17:20

Tgt Ion:	129	Resp:	83118
Ion	Ratio	Lower	Upper
129	100		
127	70.6	51.6	95.8

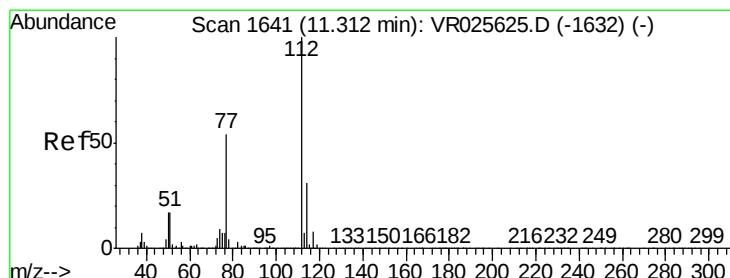
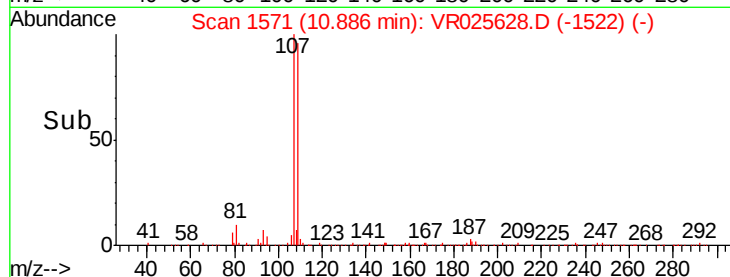
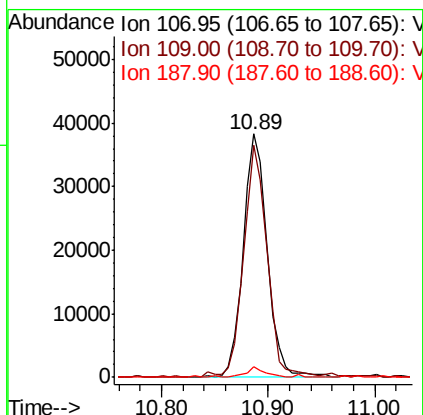
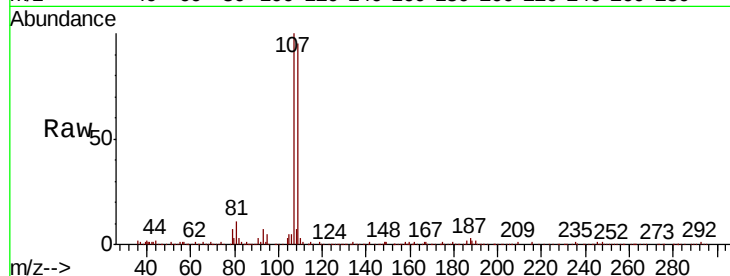




#50
1,2-Dibromoethane
Concen: 5.031 ug/L
RT: 10.89 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VR025628.D
Acq: 21 Aug 2018 17:20

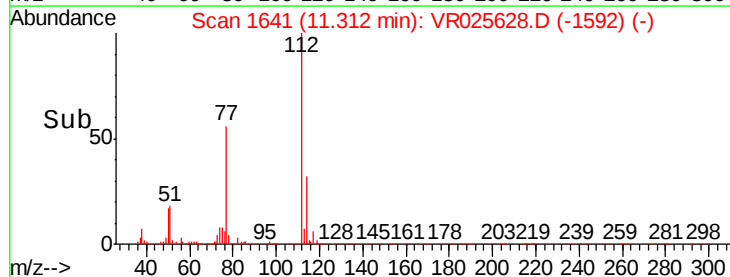
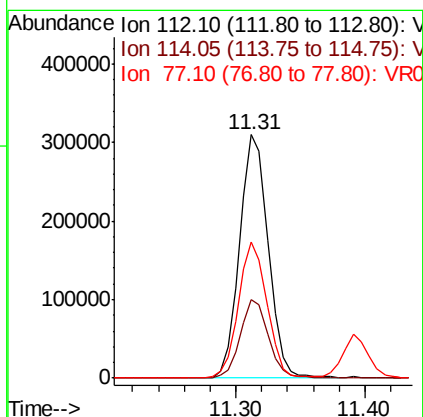
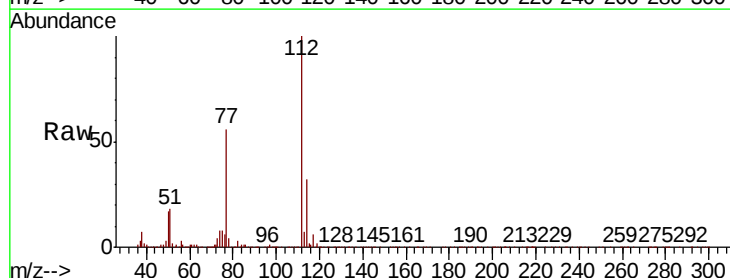
Instrument :
MSVOA_R
ClientSampleId :
VICV86

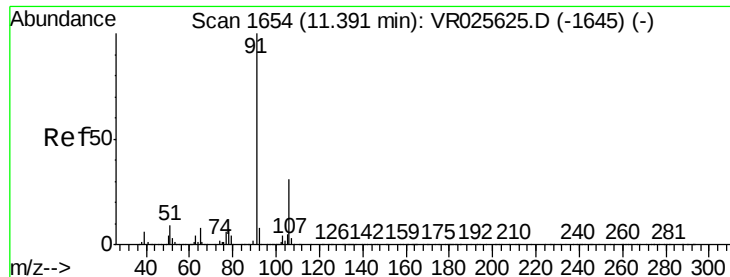
Tgt Ion:107 Resp: 60780
Ion Ratio Lower Upper
107 100
109 95.2 70.1 130.1
188 4.4 2.6 3.8#



#51
Chlorobenzene
Concen: 4.937 ug/L
RT: 11.31 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VR025628.D
Acq: 21 Aug 2018 17:20

Tgt Ion:112 Resp: 474779
Ion Ratio Lower Upper
112 100
114 32.2 21.8 40.4
77 56.0 43.0 64.4





#52

Ethylbenzene

Concen: 5.430 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VR025628.D

Acq: 21 Aug 2018 17:20

Instrument :

MSVOA_R

ClientSampleId :

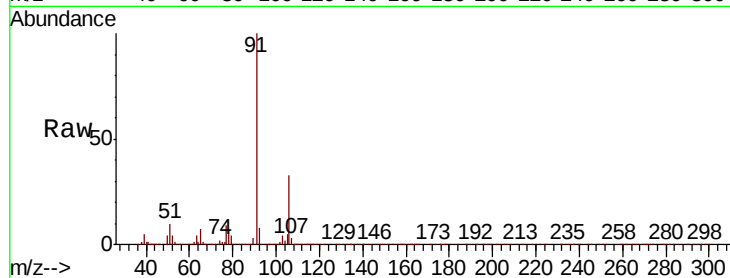
VICV86

Tgt Ion: 91 Resp: 895644

Ion Ratio Lower Upper

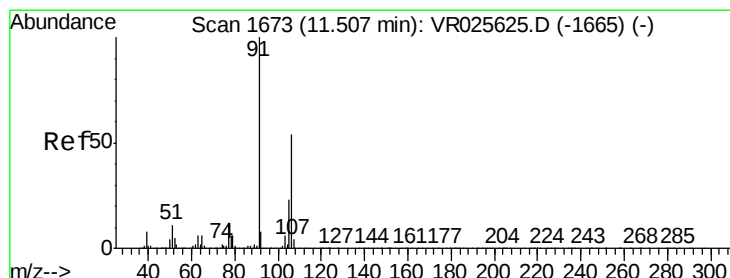
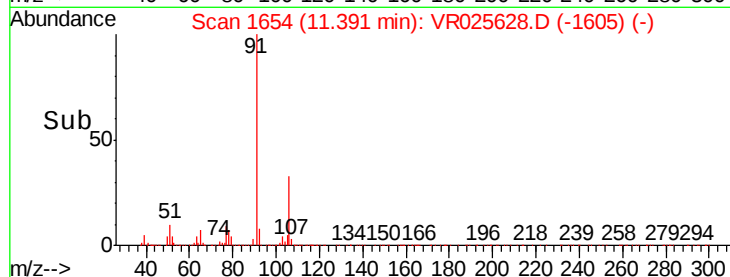
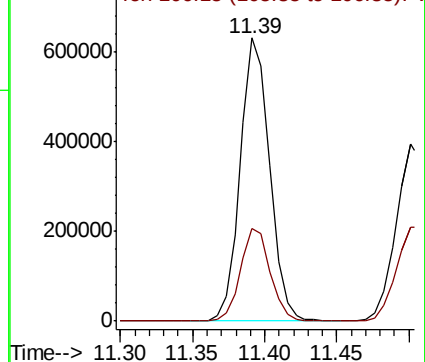
91 100

106 32.8 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: 5.470 ug/L

RT: 11.50 min Scan# 1672

Delta R.T. -0.01 min

Lab File: VR025628.D

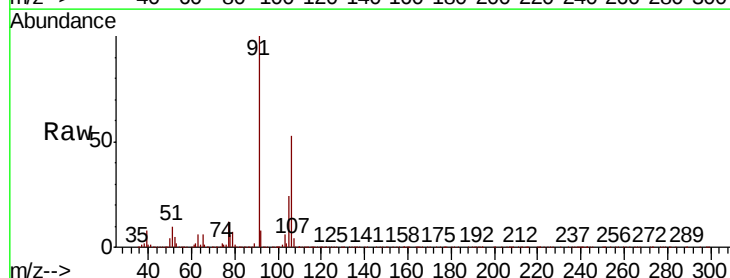
Acq: 21 Aug 2018 17:20

Tgt Ion: 106 Resp: 361343

Ion Ratio Lower Upper

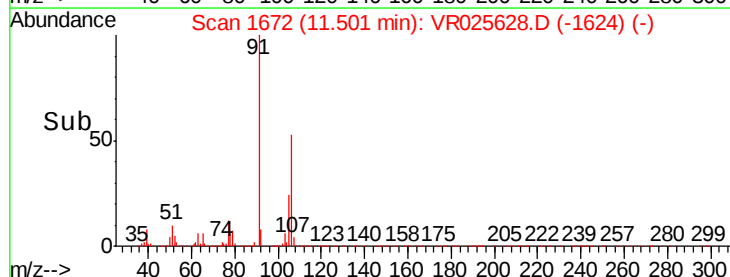
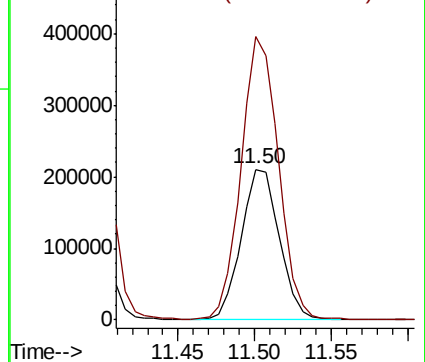
106 100

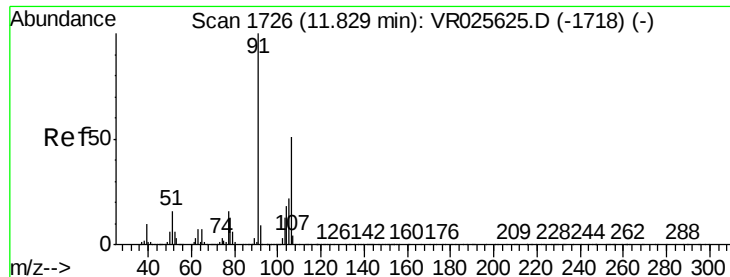
91 187.6 130.9 243.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0

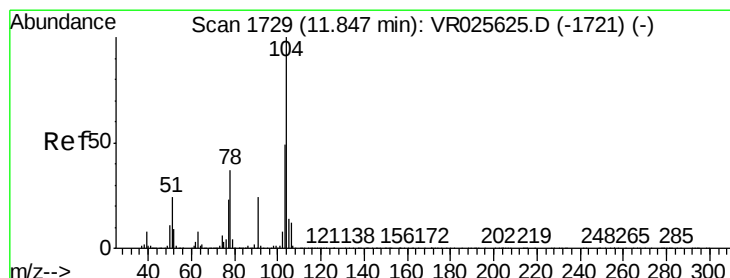
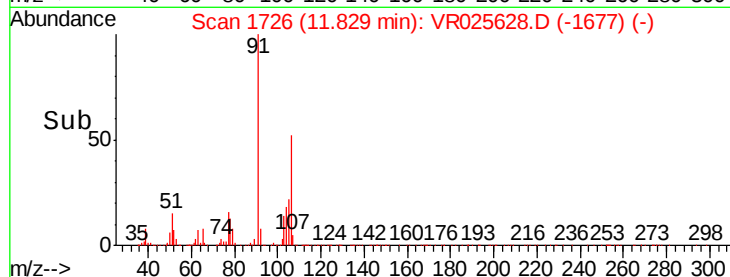
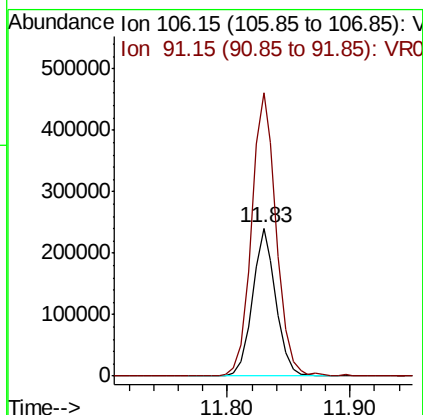
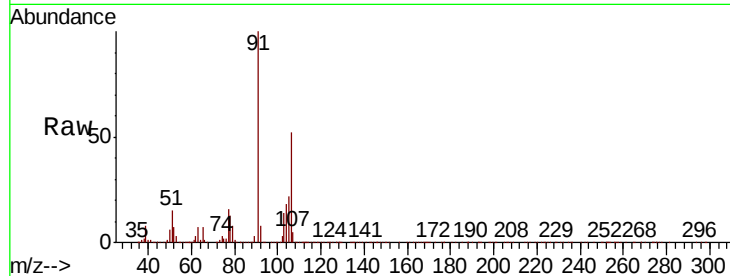




#54
o-Xylene
Concen: 5.440 ug/L
RT: 11.83 min Scan# 1726
Delta R.T. 0.00 min
Lab File: VR025628.D
Acq: 21 Aug 2018 17:20

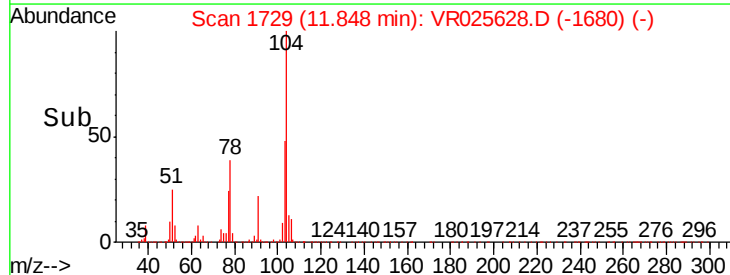
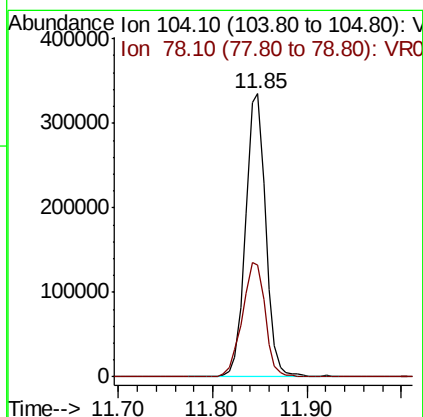
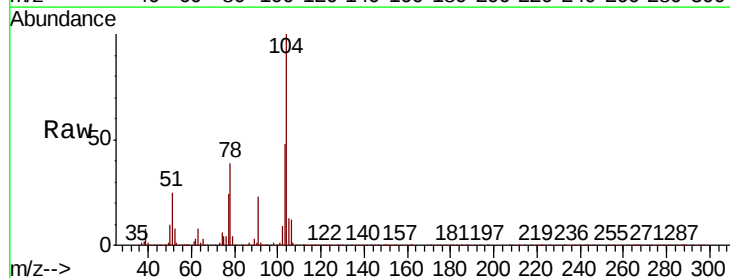
Instrument :
MSVOA_R
ClientSampled :
VICV86

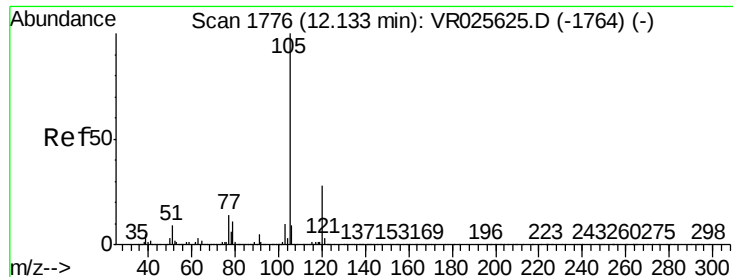
Tgt Ion:106 Resp: 320165
Ion Ratio Lower Upper
106 100
91 191.0 137.5 255.3



#55
Styrene
Concen: 5.254 ug/L
RT: 11.85 min Scan# 1729
Delta R.T. 0.00 min
Lab File: VR025628.D
Acq: 21 Aug 2018 17:20

Tgt Ion:104 Resp: 499553
Ion Ratio Lower Upper
104 100
78 39.5 26.2 48.6





#56

Isopropylbenzene

Concen: 5.700 ug/L

RT: 12.13 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VR025628.D

Acq: 21 Aug 2018 17:20

Instrument :

MSVOA_R

ClientSampleId :

VICV86

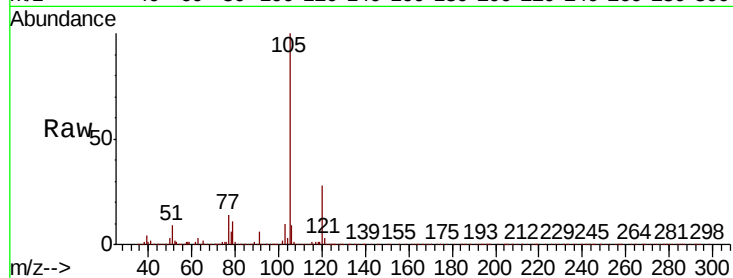
Tgt Ion: 105 Resp: 850430

Ion Ratio Lower Upper

105 100

120 28.0 22.2 33.4

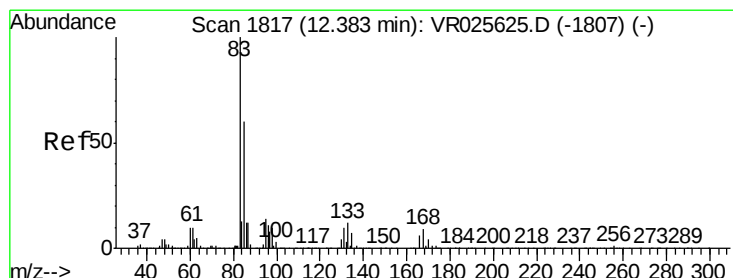
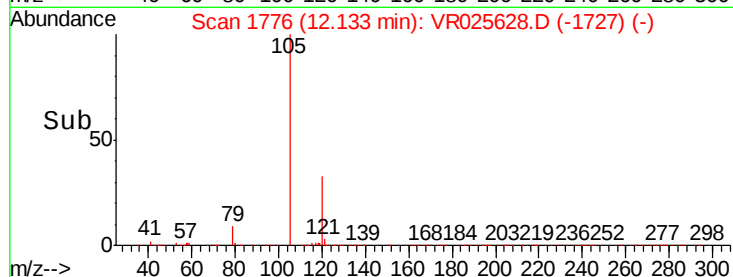
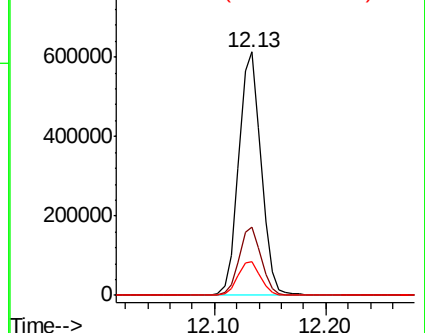
77 14.6 11.6 17.4



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.700 ug/L

RT: 12.38 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VR025628.D

Acq: 21 Aug 2018 17:20

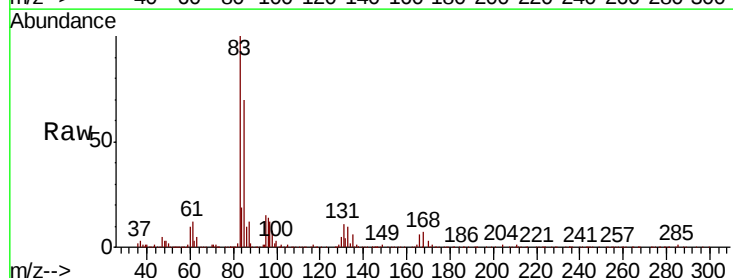
Tgt Ion: 83 Resp: 74076

Ion Ratio Lower Upper

83 100

85 70.4 42.3 78.5

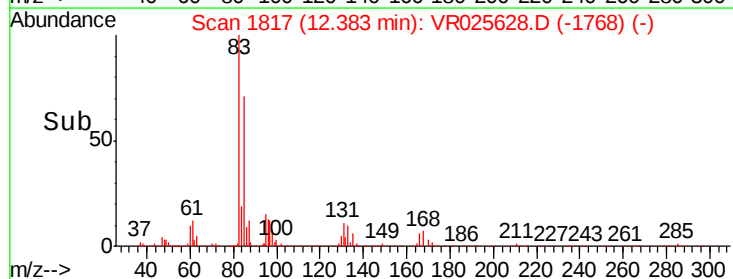
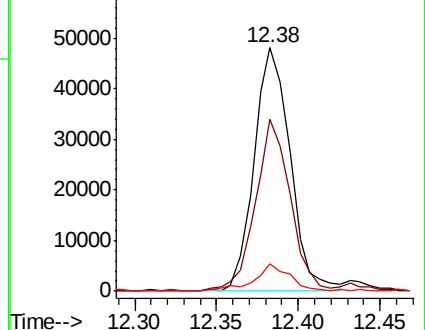
131 11.2 7.8 11.6

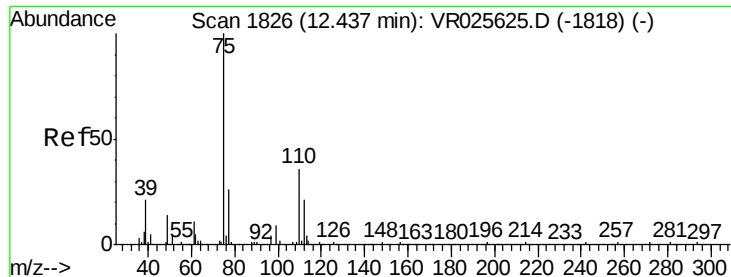


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

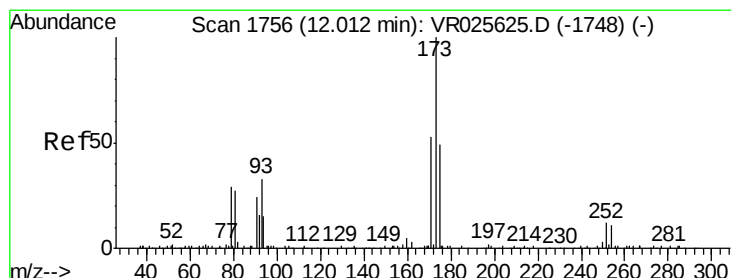
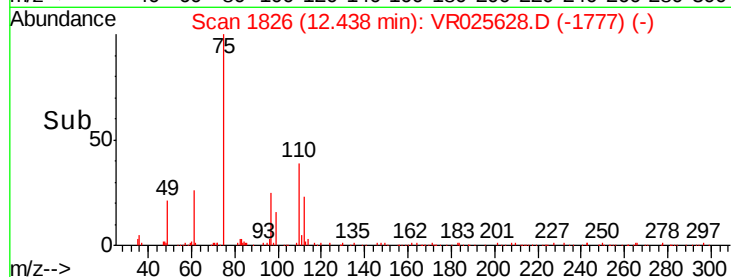
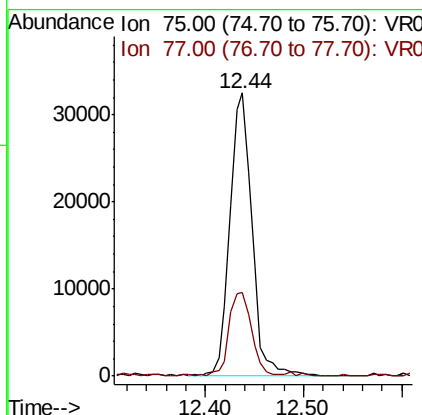
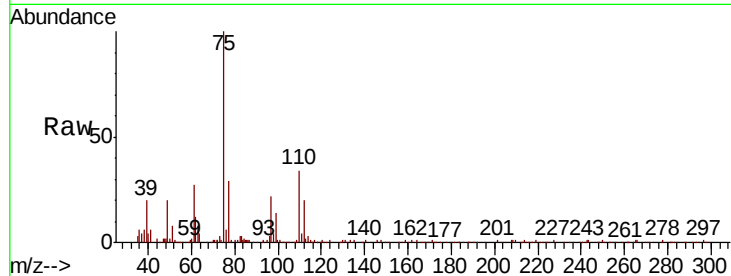




#59
 1,2,3-Trichloropropane
 Concen: 4.768 ug/L
 RT: 12.44 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VR025628.D
 Acq: 21 Aug 2018 17:20

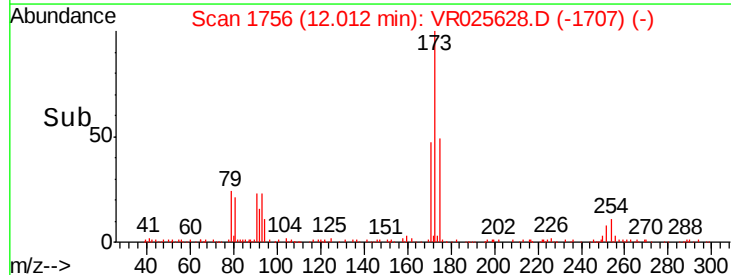
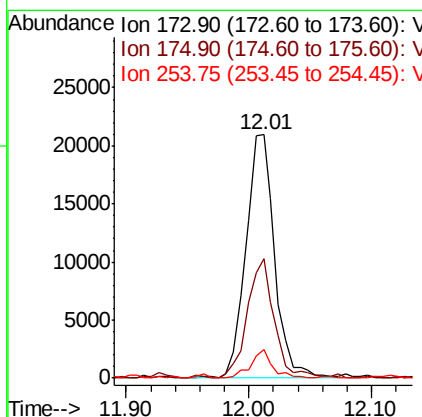
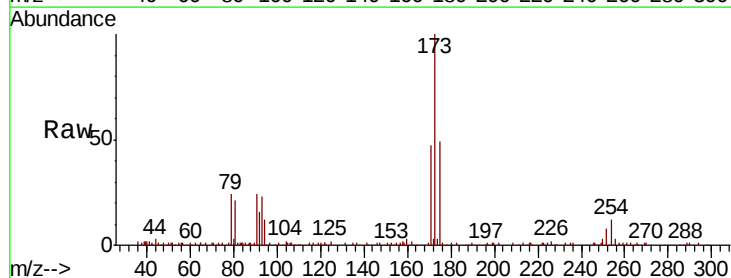
Instrument :
 MSVOA_R
 ClientSampleId :
 VICV86

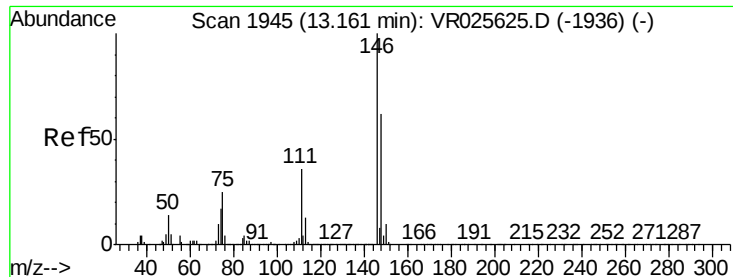
Tgt Ion: 75 Resp: 51087
 Ion Ratio Lower Upper
 75 100
 77 29.4 23.5 35.3



#61
 Bromoform
 Concen: 5.159 ug/L
 RT: 12.01 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VR025628.D
 Acq: 21 Aug 2018 17:20

Tgt Ion: 173 Resp: 34194
 Ion Ratio Lower Upper
 173 100
 175 46.1 40.4 60.6
 254 8.9 9.5 14.3#





#62

1,3-Dichlorobenzene

Concen: 5.305 ug/L

RT: 13.16 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VR025628.D

Acq: 21 Aug 2018 17:20

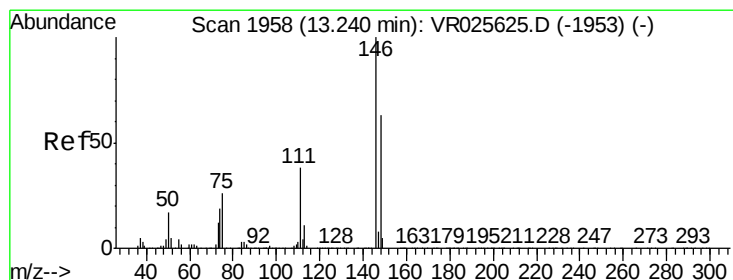
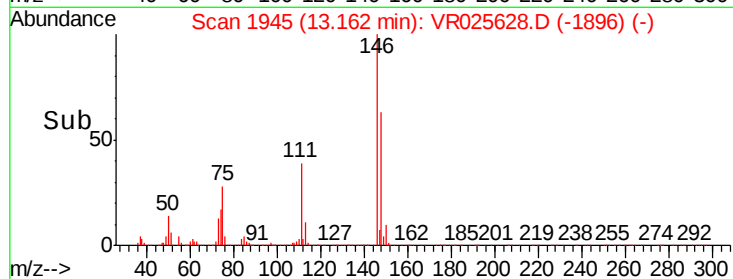
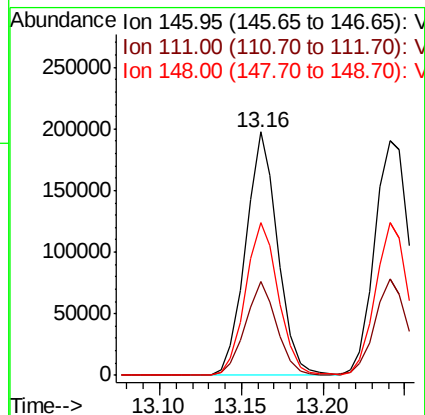
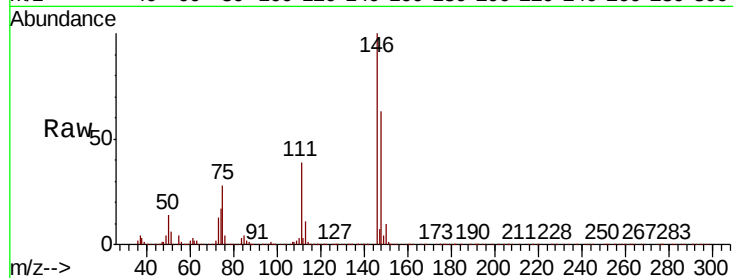
Instrument :

MSVOA_R

ClientSampled :

VICV86

Tgt Ion:	146	Resp:	270445
Ion	Ratio	Lower	Upper
146	100		
111	38.6	24.8	46.1
148	62.8	43.5	80.7



#63

1,4-Dichlorobenzene

Concen: 5.032 ug/L

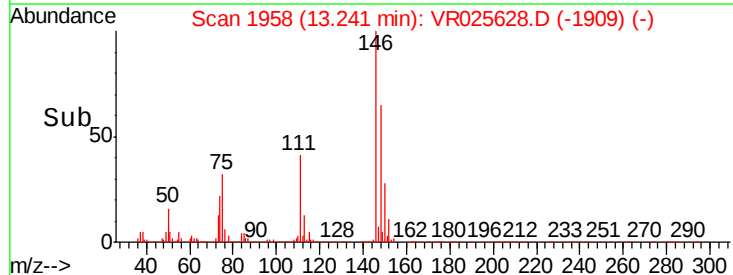
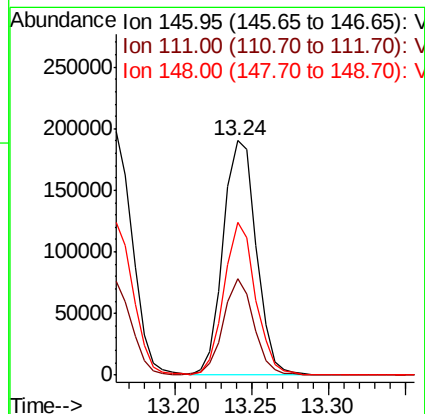
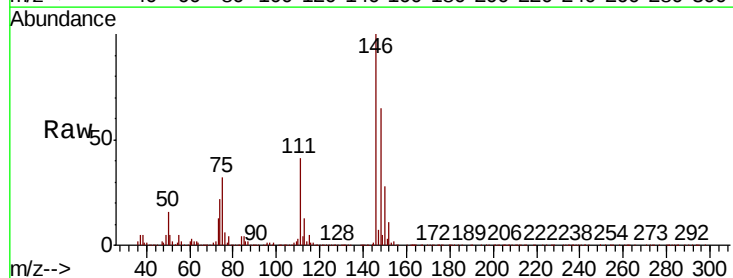
RT: 13.24 min Scan# 1958

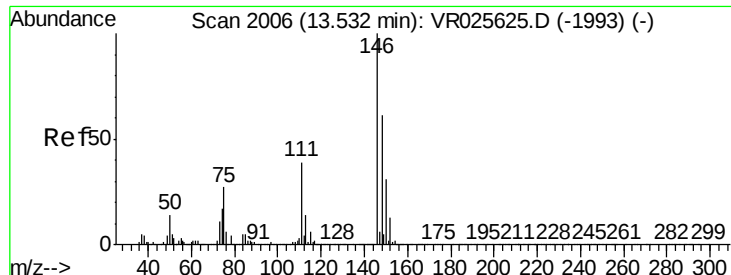
Delta R.T. 0.00 min

Lab File: VR025628.D

Acq: 21 Aug 2018 17:20

Tgt Ion:	146	Resp:	285043
Ion	Ratio	Lower	Upper
146	100		
111	41.1	26.7	49.5
148	65.2	44.4	82.5

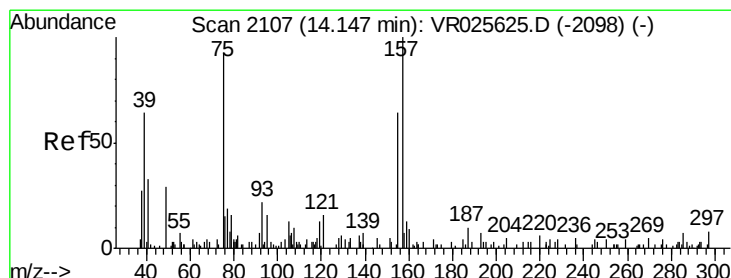
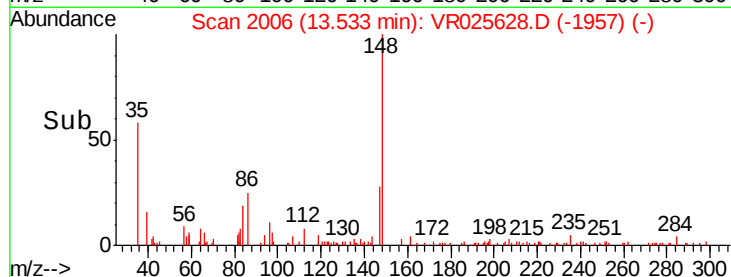
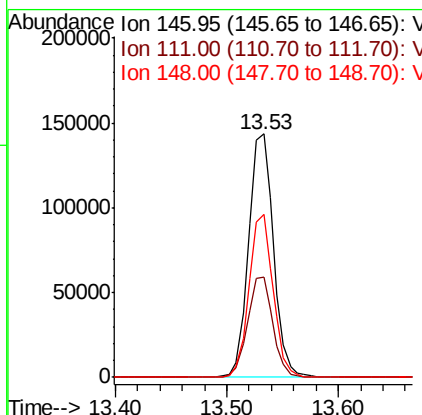
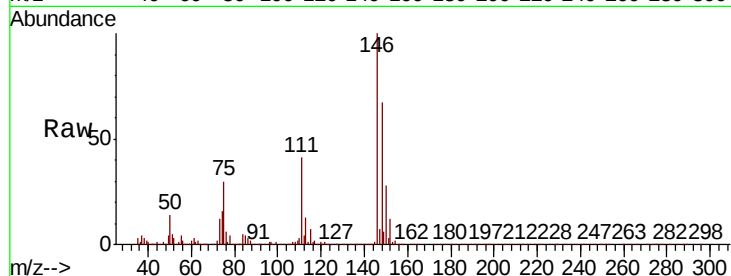




#65
 1,2-Dichlorobenzene
 Concen: 5.066 ug/L
 RT: 13.53 min Scan# 2006
 Delta R.T. 0.00 min
 Lab File: VR025628.D
 Acq: 21 Aug 2018 17:20

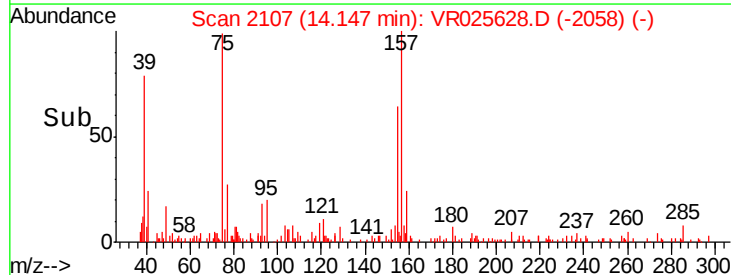
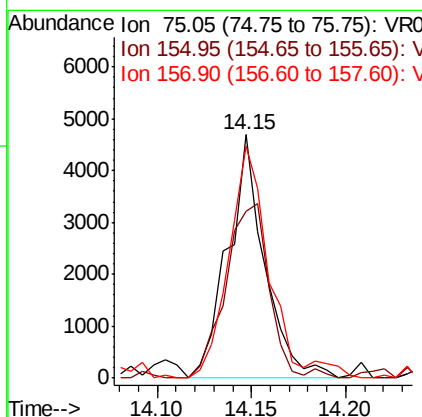
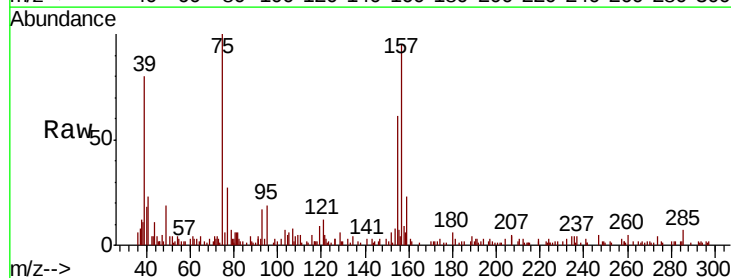
Instrument :
 MSVOA_R
 ClientSampleId :
 VICV86

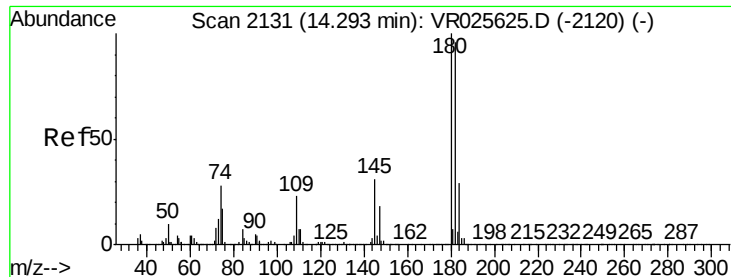
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	31.6	47.4
148	67.1	48.7	73.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.349 ug/L
 RT: 14.15 min Scan# 2107
 Delta R.T. 0.00 min
 Lab File: VR025628.D
 Acq: 21 Aug 2018 17:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.3	55.2	82.8
157	103.7	89.4	134.2

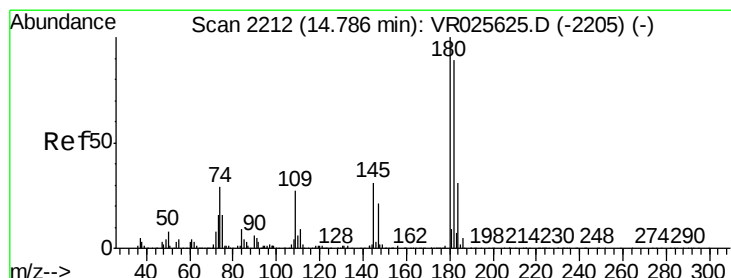
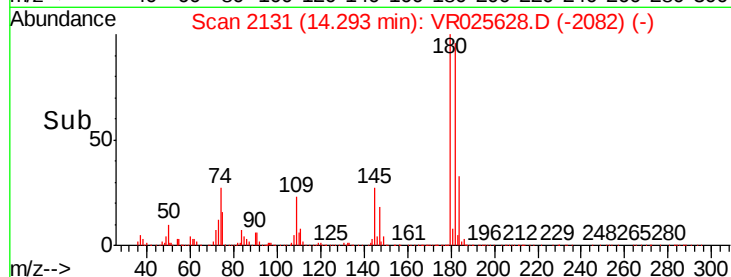
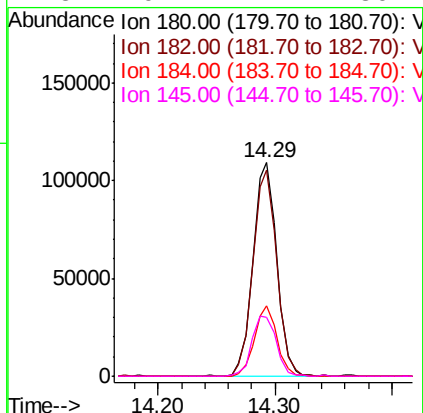
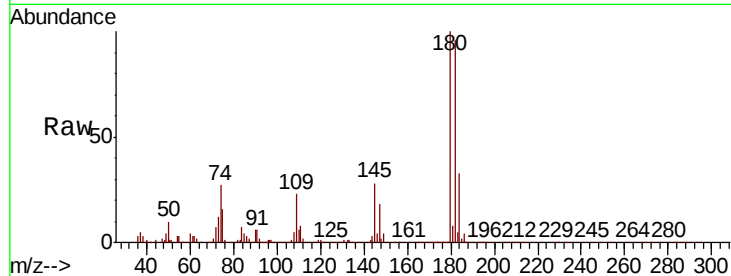




#67
 1,3,5-Trichlorobenzene
 Concen: 5.398 ug/L
 RT: 14.29 min Scan# 2131
 Delta R.T. 0.00 min
 Lab File: VR025628.D
 Acq: 21 Aug 2018 17:20

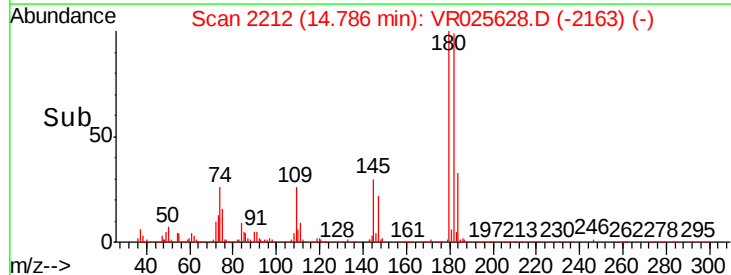
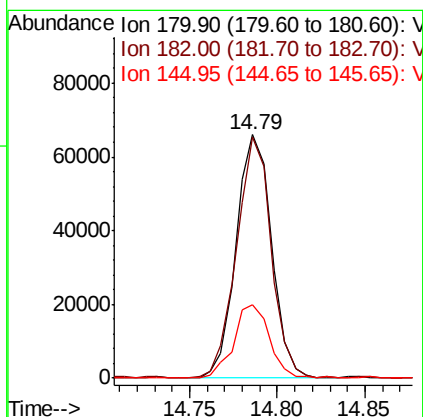
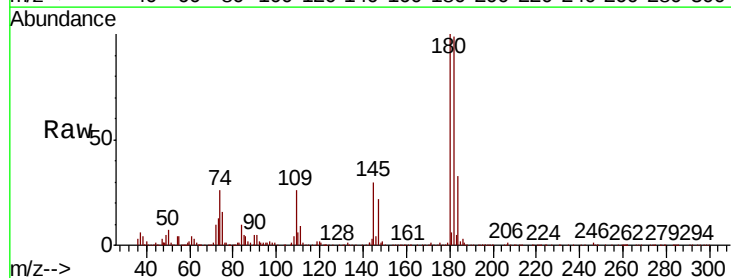
Instrument :
 MSVOA_R
 ClientSampleId :
 VICV86

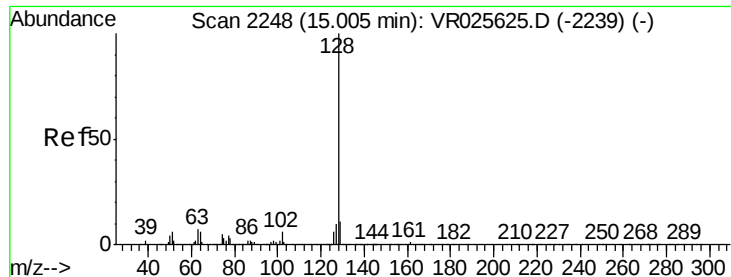
Tgt Ion:	180	Resp:	155520
Ion	Ratio	Lower	Upper
180	100		
182	96.6	74.4	111.6
184	31.1	25.1	37.7
145	29.4	24.2	36.4



#68
 1,2,4-trichlorobenzene
 Concen: 5.152 ug/L
 RT: 14.79 min Scan# 2212
 Delta R.T. 0.00 min
 Lab File: VR025628.D
 Acq: 21 Aug 2018 17:20

Tgt Ion:	180	Resp:	92122
Ion	Ratio	Lower	Upper
180	100		
182	97.1	75.0	112.6
145	30.6	25.4	38.0





#69

Naphthalene

Concen: 5.114 ug/L

RT: 15.00 min Scan# 2248

Delta R.T. 0.00 min

Lab File: VR025628.D

Acq: 21 Aug 2018 17:20

Instrument :

MSVOA_R

ClientSampled :

VICV86

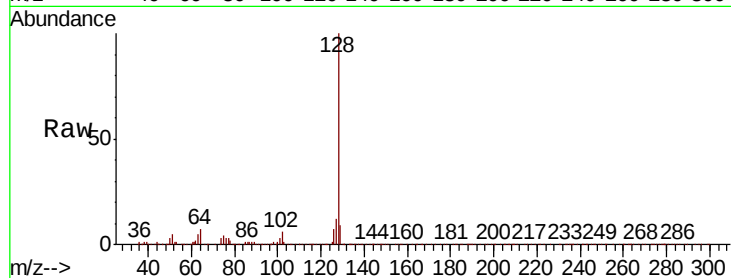
Tgt Ion:128 Resp: 112928

Ion Ratio Lower Upper

128 100

127 13.0 10.0 15.0

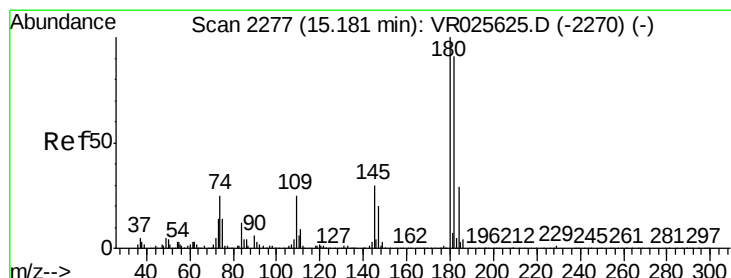
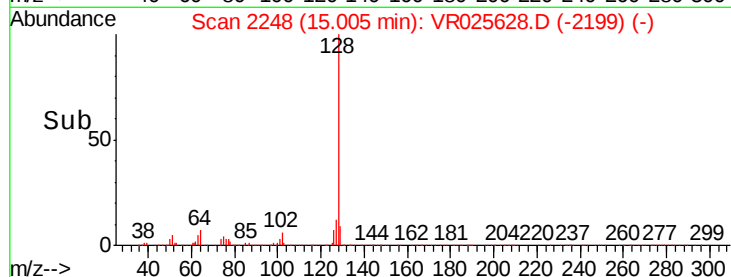
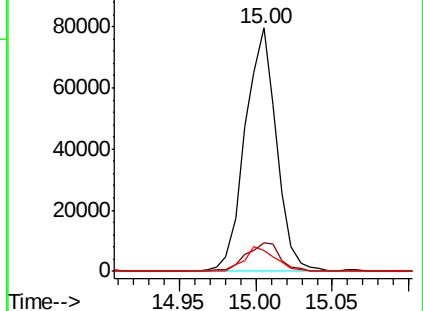
129 10.1 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.234 ug/L

RT: 15.18 min Scan# 2277

Delta R.T. 0.00 min

Lab File: VR025628.D

Acq: 21 Aug 2018 17:20

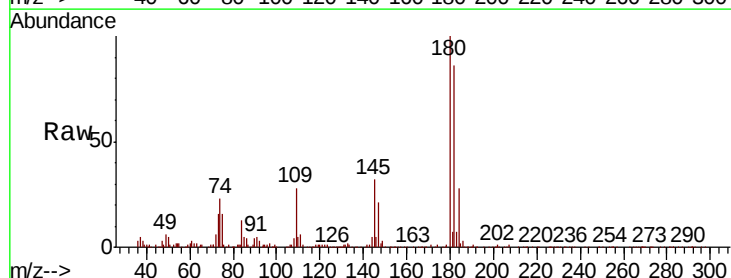
Tgt Ion:180 Resp: 72751

Ion Ratio Lower Upper

180 100

182 92.6 74.4 111.6

145 34.0 24.8 37.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

