

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR090518\
 Data File : VR025666.D
 Acq On : 5 Sep 2018 12:04
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Sep 06 02:11:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR082118WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Aug 30 06:43:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.47	114	450017	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	395406	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	168568	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	130633	4.46	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.20%
7) Chloroethane-d5	2.62	69	115311	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.20%
11) 1,1-Dichloroethene-d2	3.63	63	326765	4.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.20%
20) 2-Butanone-d5	6.60	46	142285	63.75	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	127.50%
24) Chloroform-d	7.21	84	260423	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	7.89	65	95047	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.20%
32) Benzene-d6	7.86	84	634195	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	8.90	67	171263	5.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.00%
41) Toluene-d8	9.97	98	602809	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
43) trans-1,3-Dichloropropene-	10.24	79	37685	4.85	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.00%
46) 2-Hexanone-d5	10.59	63	163783	64.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	128.72%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	81646	5.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.40%
64) 1,2-Dichlorobenzene-d4	13.51	152	136001	5.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	113980	4.57 ug/L	93
3) Chloromethane	2.00	50	156593	4.24 ug/L	96
5) Vinyl chloride	2.16	62	159944	4.43 ug/L	99
6) Bromomethane	2.52	94	113561	4.62 ug/L	99
8) Chloroethane	2.66	64	96352	4.34 ug/L	87
9) Trichlorofluoromethane	2.93	101	75836	1.45 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	168683	5.28 ug/L	96
12) 1,1-Dichloroethene	3.65	96	156444	4.43 ug/L #	72
13) Acetone	3.70	43	94139	67.70 ug/L	99
14) Carbon disulfide	3.96	76	348160	3.78 ug/L	97
15) Methyl Acetate	4.20	43	29446	5.60 ug/L	99
16) Methylene chloride	4.41	84	141175	4.45 ug/L	84
17) Methyl tert-butyl Ether	4.89	73	184897	5.10 ug/L	96
18) trans-1,2-Dichloroethene	4.88	96	175309	4.70 ug/L	99
19) 1,1-Dichloroethane	5.68	63	263374	4.57 ug/L	94
21) 2-Butanone	6.69	43	169593	61.89 ug/L	99
22) cis-1,2-Dichloroethene	6.68	96	158377	4.94 ug/L	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR090518\
 Data File : VR025666.D
 Acq On : 5 Sep 2018 12:04
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Sep 06 02:11:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR082118WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Aug 30 06:43:05 2018
 Response via : Initial Calibration

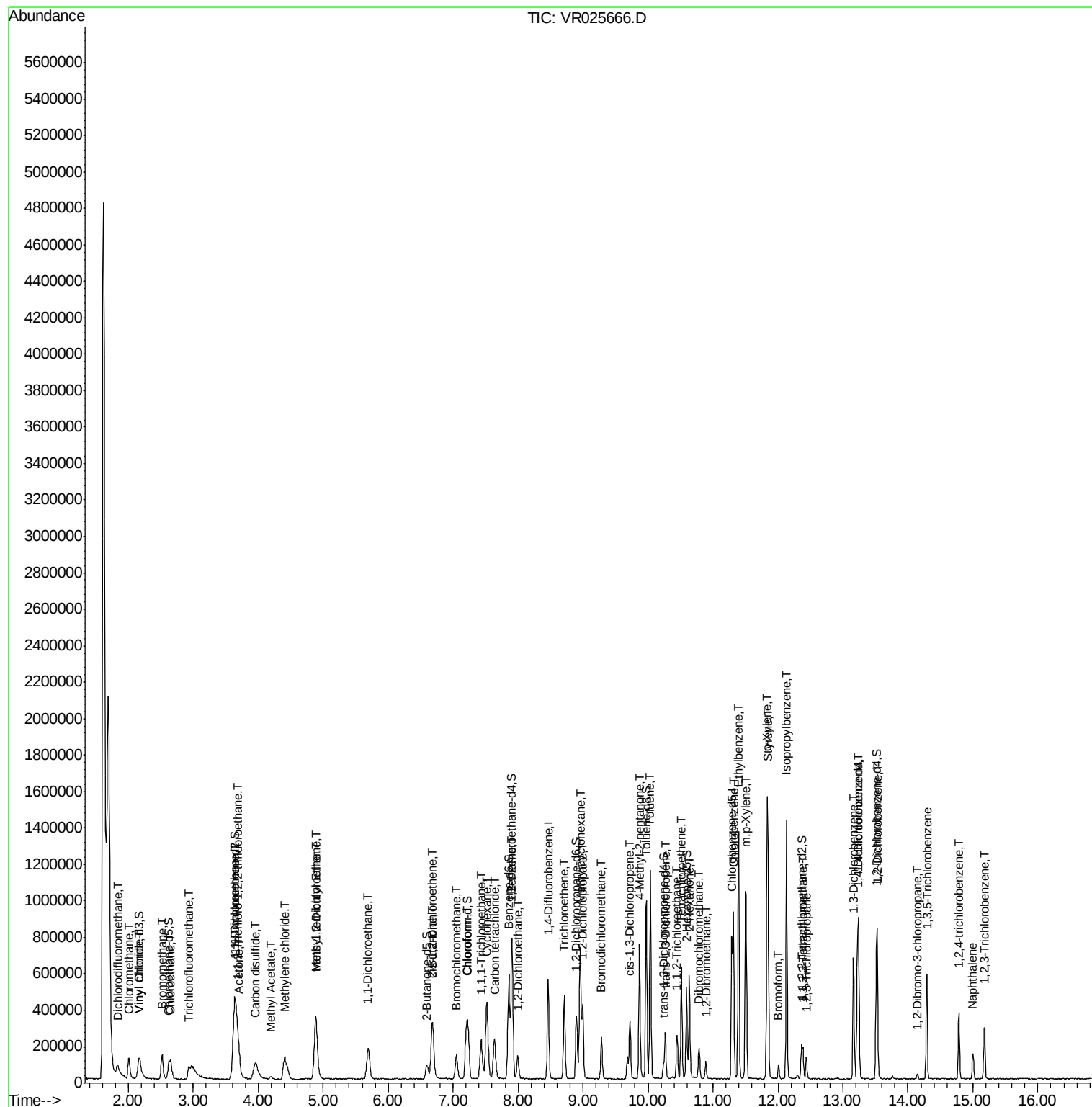
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	50745	5.16	ug/L	95
25) Chloroform	7.23	83	246054	4.91	ug/L	97
27) 1,2-Dichloroethane	8.00	62	102810	5.49	ug/L	97
29) 1,1,1-Trichloroethane	7.43	97	182582	4.75	ug/L	99
30) Cyclohexane	7.52	56	243937	4.93	ug/L	98
31) Carbon tetrachloride	7.64	117	181978	5.39	ug/L	97
33) Benzene	7.91	78	700948	4.85	ug/L	100
34) Trichloroethene	8.71	95	148630	4.49	ug/L	93
35) Methylcyclohexane	8.96	83	293918	5.46	ug/L	99
37) 1,2-Dichloropropane	8.99	63	160684	5.07	ug/L #	98
38) Bromodichloromethane	9.28	83	143038	5.17	ug/L #	97
39) cis-1,3-Dichloropropene	9.72	75	165903	5.11	ug/L	99
40) 4-Methyl-2-pentanone	9.86	43	456228	59.42	ug/L	100
42) Toluene	10.03	91	757485	5.35	ug/L	100
44) trans-1,3-Dichloropropene	10.27	75	117002	5.10	ug/L	97
45) 1,1,2-Trichloroethane	10.44	97	71938	5.14	ug/L	89
47) Tetrachloroethene	10.52	164	128753	5.09	ug/L	94
48) 2-Hexanone	10.64	43	314783	58.81	ug/L	99
49) Dibromochloromethane	10.79	129	80353	5.33	ug/L	89
50) 1,2-Dibromoethane	10.89	107	58771	5.30	ug/L	86
51) Chlorobenzene	11.31	112	451796	5.12	ug/L	98
52) Ethylbenzene	11.39	91	830804	5.49	ug/L	96
53) m,p-Xylene	11.50	106	333648	5.51	ug/L	99
54) o-Xylene	11.83	106	299518	5.55	ug/L	97
55) Styrene	11.85	104	482868	5.54	ug/L	100
56) Isopropylbenzene	12.13	105	788213	5.76	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.38	83	73762	5.10	ug/L	94
59) 1,2,3-Trichloropropane	12.44	75	47290	4.81	ug/L	92
61) Bromoform	12.01	173	31596	4.66	ug/L	99
62) 1,3-Dichlorobenzene	13.16	146	249650	4.79	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	289306	5.00	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	224486	5.00	ug/L	92
66) 1,2-Dibromo-3-chloropropan	14.15	75	6262	5.16	ug/L #	89
67) 1,3,5-Trichlorobenzene	14.29	180	165544	5.62	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	96007	5.25	ug/L	96
69) Naphthalene	15.00	128	107664	4.77	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	78771	5.54	ug/L	93

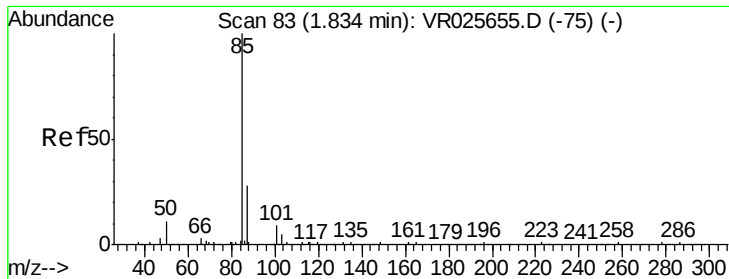
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA R\DATA\VR090518\
Data File : VR025666.D
Acq On : 5 Sep 2018 12:04
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA R/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :

Quant Time: Sep 06 02:11:29 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR082118WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Aug 30 06:43:05 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.57 ug/L

RT: 1.83 min Scan# 83

Delta R.T. 0.00 min

Lab File: VR025666.D

Acq: 5 Sep 2018 12:04

Instrument :

MSVOA_R

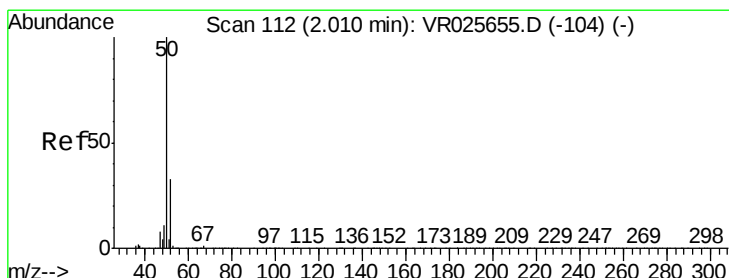
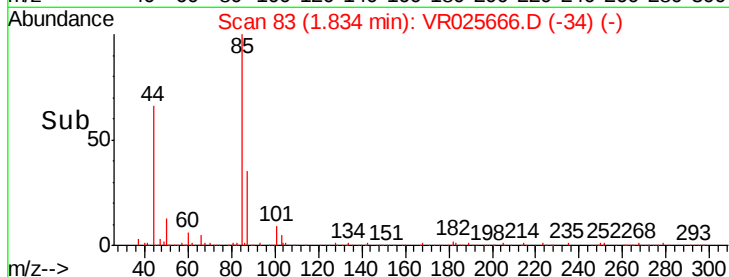
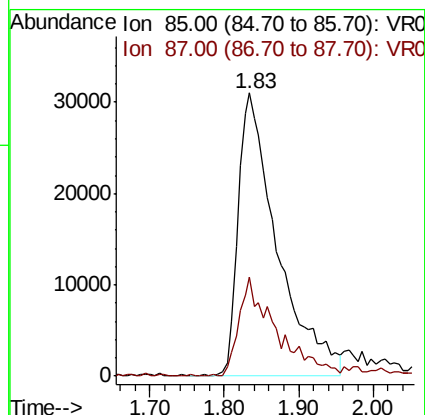
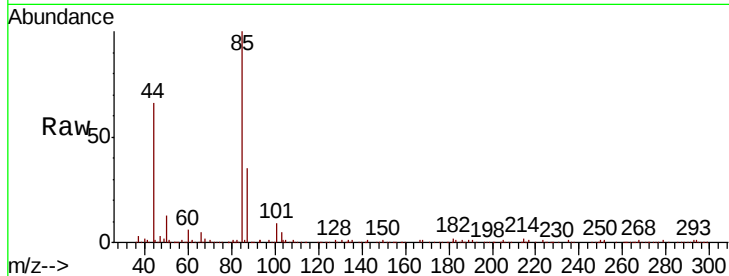
ClientSampleId :

Tot Ion: 85 Resp: 113980

Ion Ratio Lower Upper

85 100

87 33.4 23.5 35.3



#3

Chloromethane

Concen: 4.24 ug/L

RT: 2.00 min Scan# 111

Delta R.T. -0.01 min

Lab File: VR025666.D

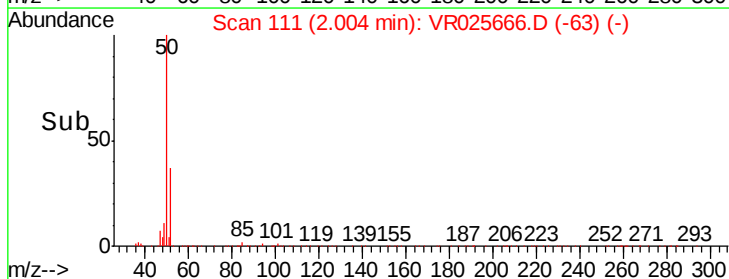
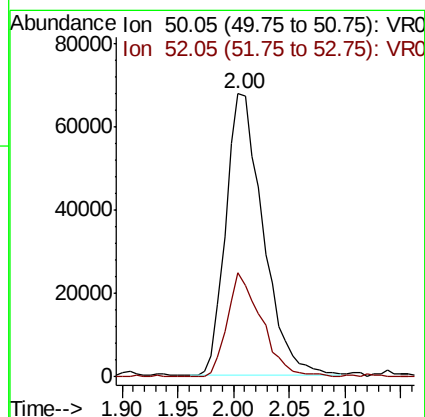
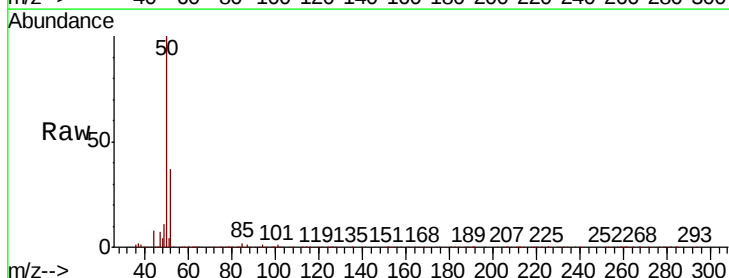
Acq: 5 Sep 2018 12:04

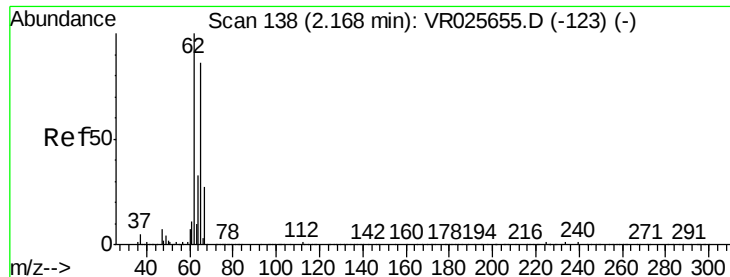
Tgt Ion: 50 Resp: 156593

Ion Ratio Lower Upper

50 100

52 36.8 24.2 45.0





#5

Vinyl chloride

Concen: 4.43 ug/L

RT: 2.16 min Scan# 137

Delta R.T. -0.01 min

Lab File: VR025666.D

Acq: 5 Sep 2018 12:04

Instrument :

MSVOA_R

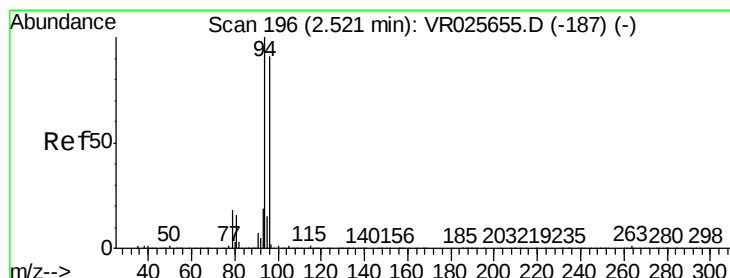
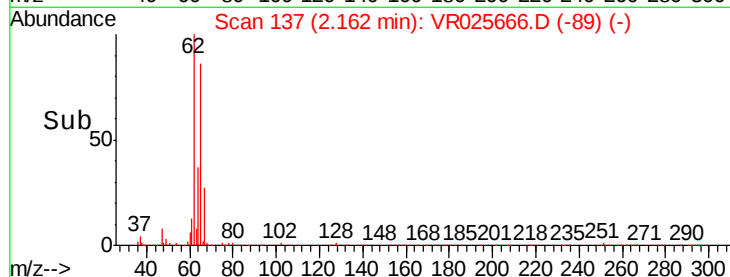
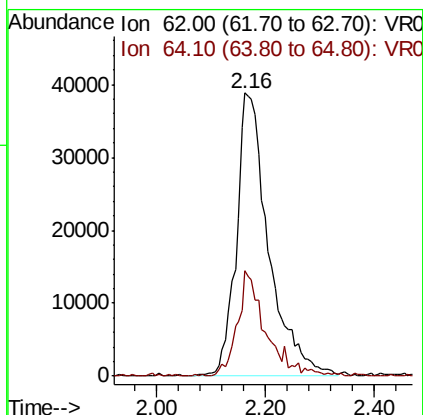
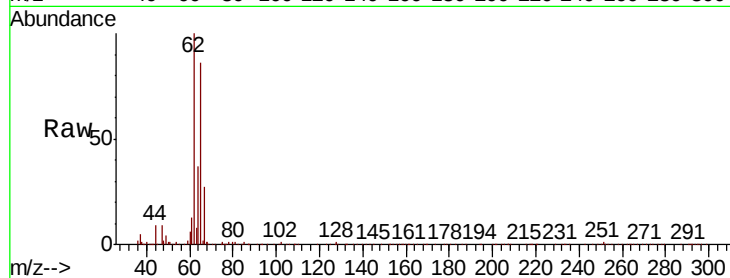
ClientSampleId :

Tot Ion: 62 Resp: 159944

Ion Ratio Lower Upper

62 100

64 37.2 25.6 47.4



#6

Bromomethane

Concen: 4.62 ug/L

RT: 2.52 min Scan# 196

Delta R.T. 0.00 min

Lab File: VR025666.D

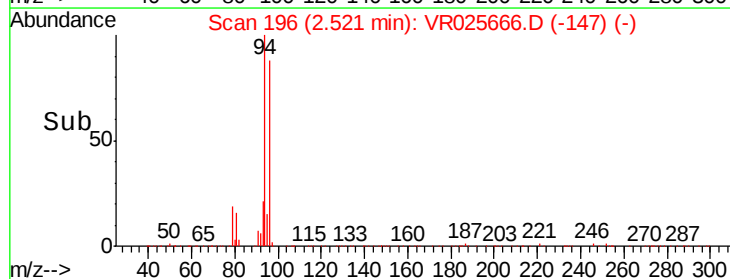
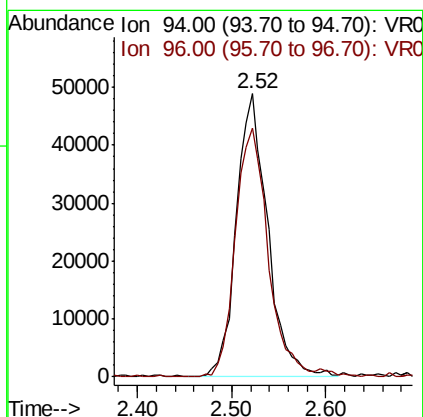
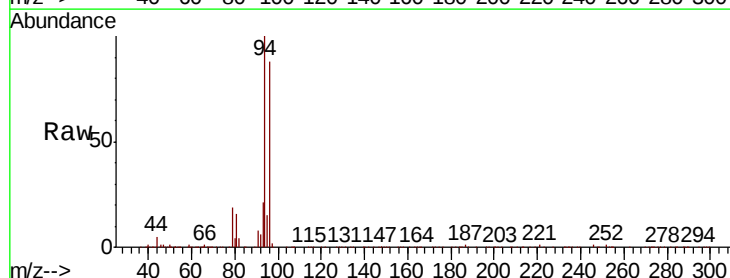
Acq: 5 Sep 2018 12:04

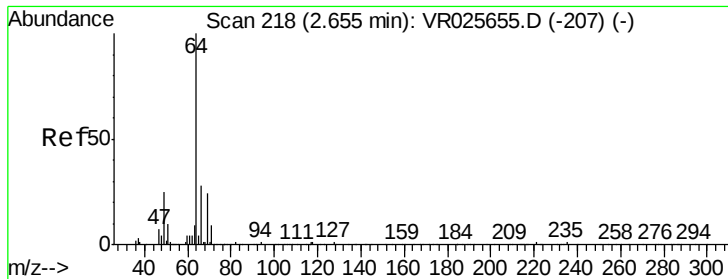
Tgt Ion: 94 Resp: 113561

Ion Ratio Lower Upper

94 100

96 87.9 60.8 112.8





#8

Chloroethane

Concen: 4.34 ug/L

RT: 2.66 min Scan# 218

Delta R.T. -0.01 min

Lab File: VR025666.D

Acq: 5 Sep 2018 12:04

Instrument :

MSVOA_R

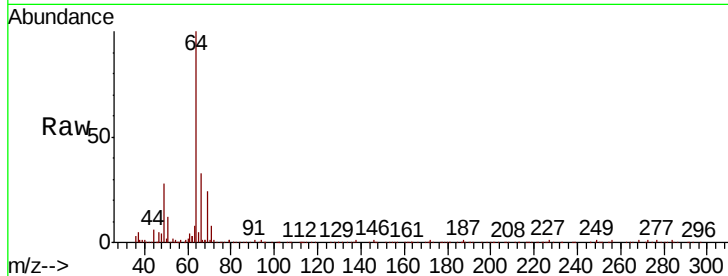
ClientSampleId :

Tot Ion: 64 Resp: 96352

Ion Ratio Lower Upper

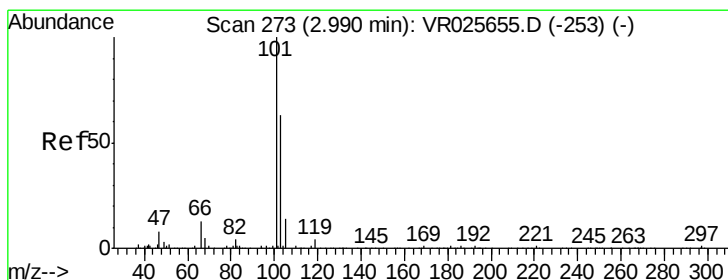
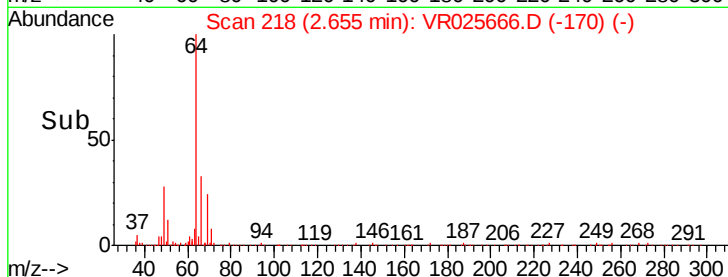
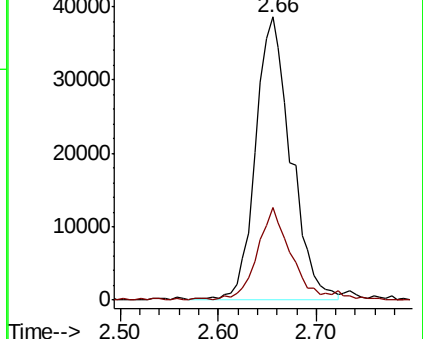
64 100

66 32.7 18.2 33.8



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0



#9

Trichlorofluoromethane

Concen: 1.45 ug/L

RT: 2.93 min Scan# 263

Delta R.T. -0.06 min

Lab File: VR025666.D

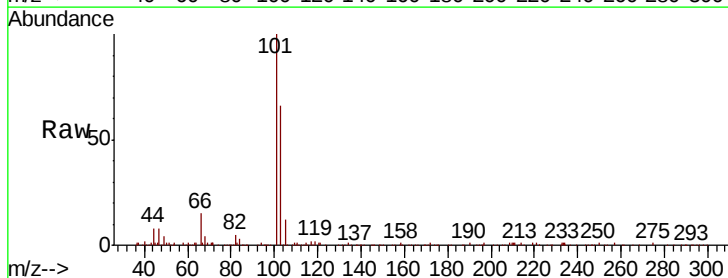
Acq: 5 Sep 2018 12:04

Tgt Ion:101 Resp: 75836

Ion Ratio Lower Upper

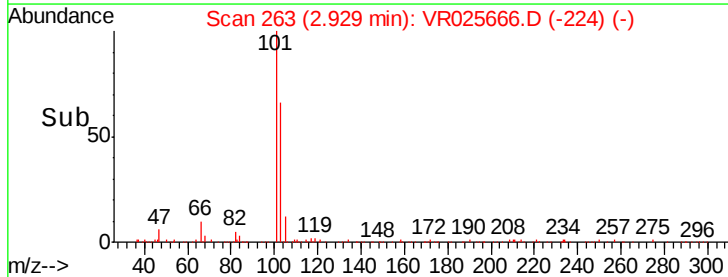
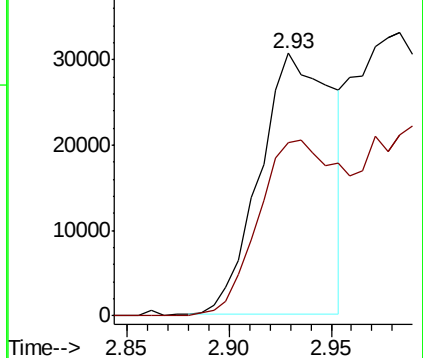
101 100

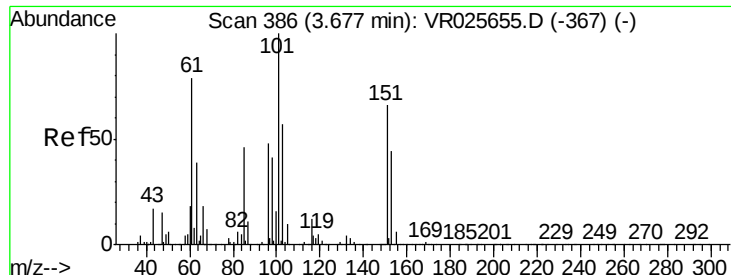
103 77.2 16.4 24.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 5.28 ug/L

RT: 3.68 min Scan# 387

Delta R.T. 0.01 min

Lab File: VR025666.D

Acq: 5 Sep 2018 12:04

Instrument :

MSVOA_R

ClientSampleId :

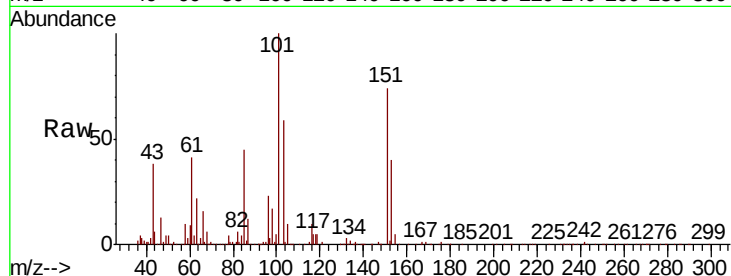
Tot Ion:101 Resp: 168683

Ion Ratio Lower Upper

101 100

85 46.8 35.6 53.4

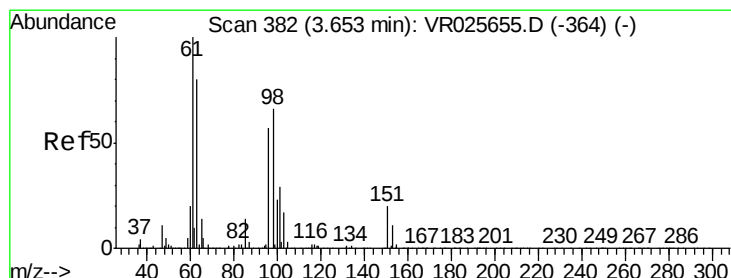
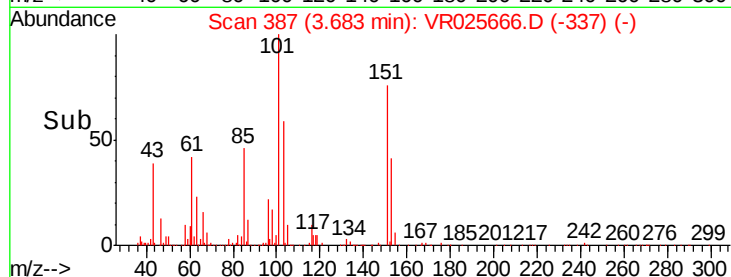
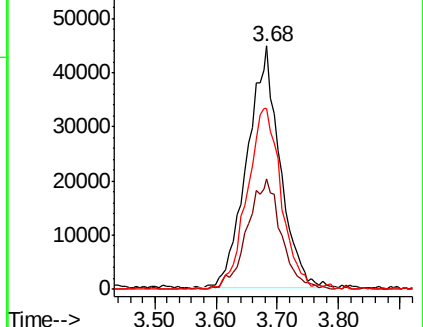
151 76.8 59.1 88.7



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: 4.43 ug/L

RT: 3.65 min Scan# 382

Delta R.T. 0.00 min

Lab File: VR025666.D

Acq: 5 Sep 2018 12:04

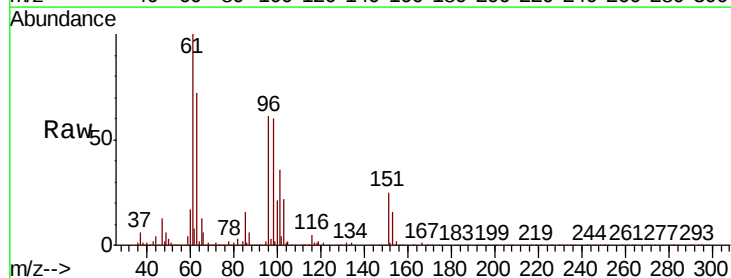
Tgt Ion: 96 Resp: 156444

Ion Ratio Lower Upper

96 100

61 162.7 119.8 222.6

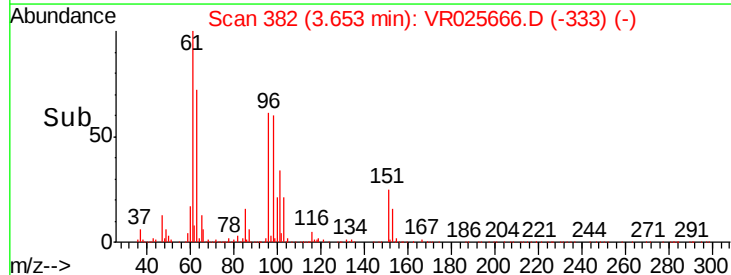
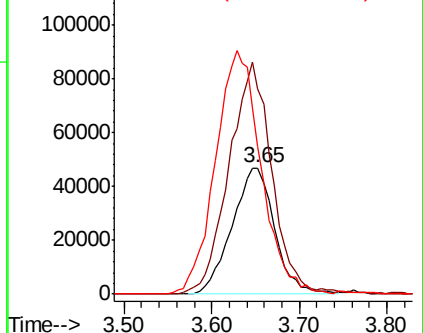
63 117.4 131.1 243.5#

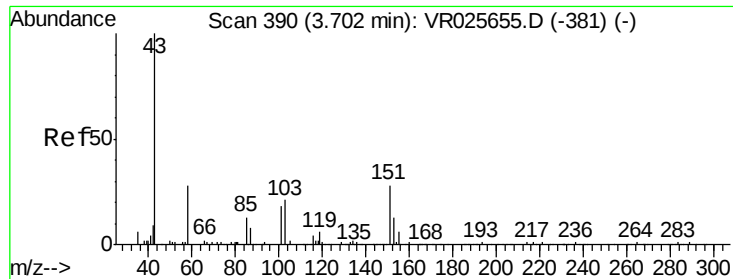


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 67.70 ug/L

RT: 3.70 min Scan# 390

Delta R.T. 0.00 min

Lab File: VR025666.D

Acq: 5 Sep 2018 12:04

Instrument :

MSVOA_R

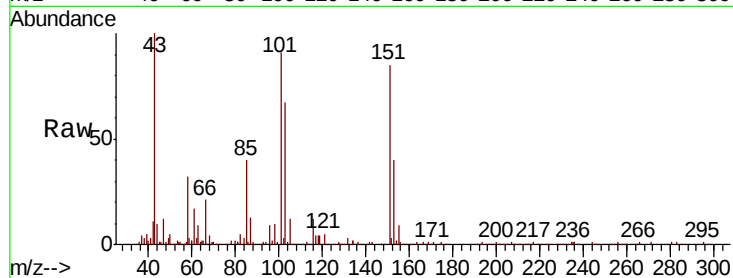
ClientSampleId :

Tot Ion: 43 Resp: 94139

Ion Ratio Lower Upper

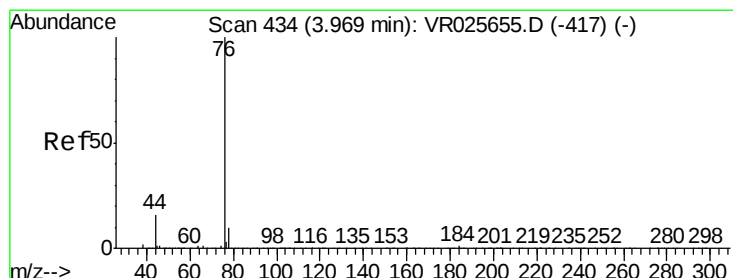
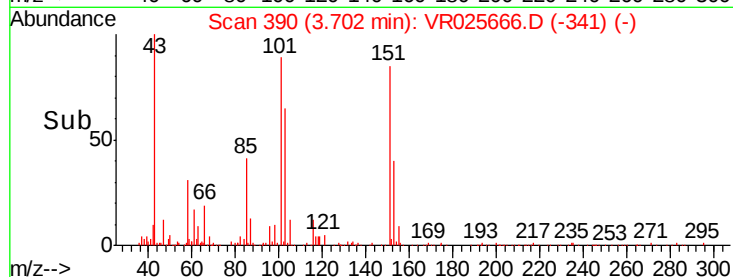
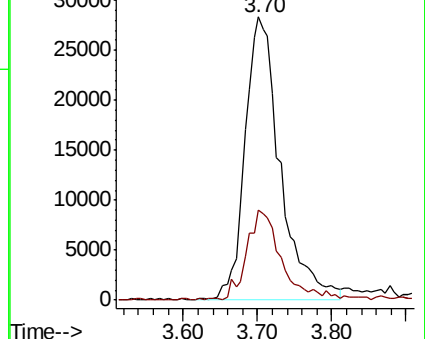
43 100

58 31.1 0.0 63.4



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#14

Carbon disulfide

Concen: 3.78 ug/L

RT: 3.96 min Scan# 432

Delta R.T. -0.02 min

Lab File: VR025666.D

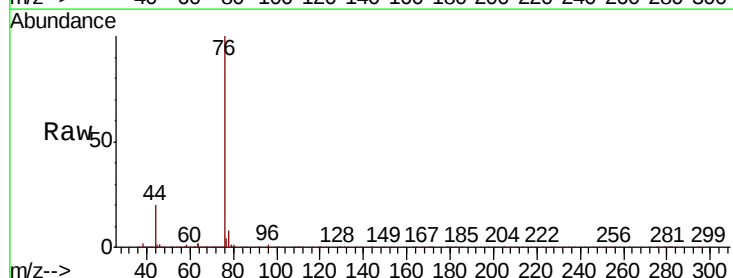
Acq: 5 Sep 2018 12:04

Tgt Ion: 76 Resp: 348160

Ion Ratio Lower Upper

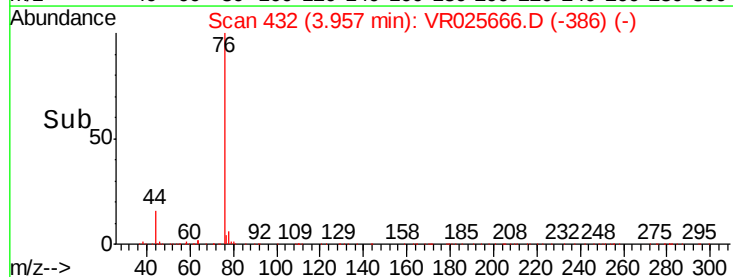
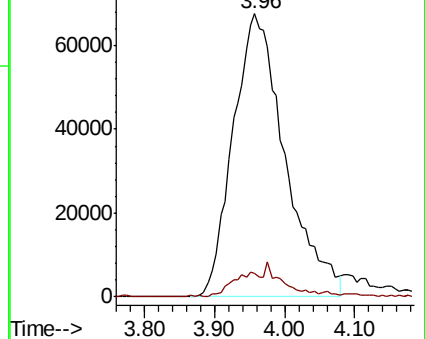
76 100

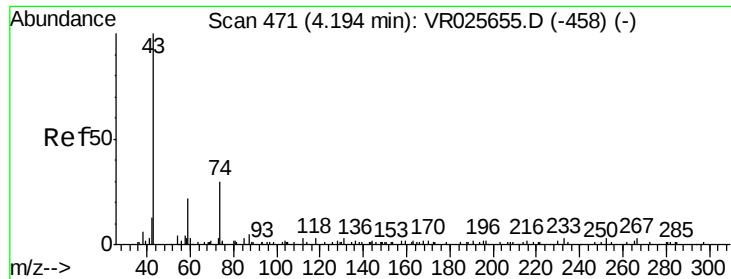
78 9.2 8.1 12.1



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

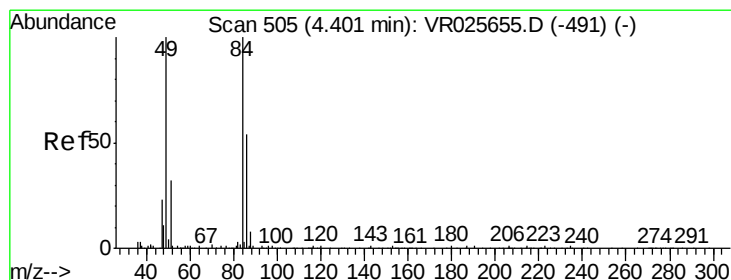
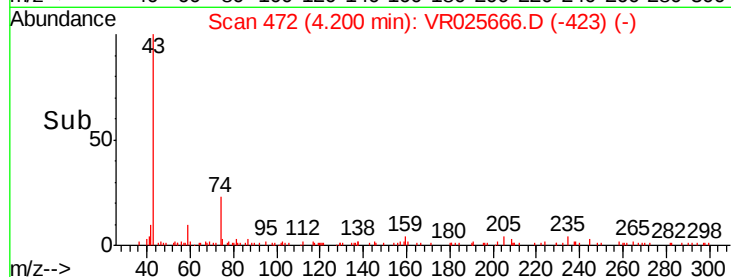
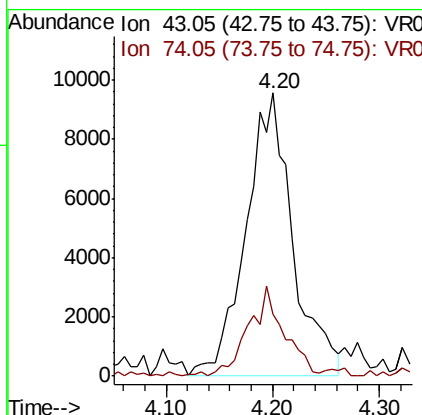
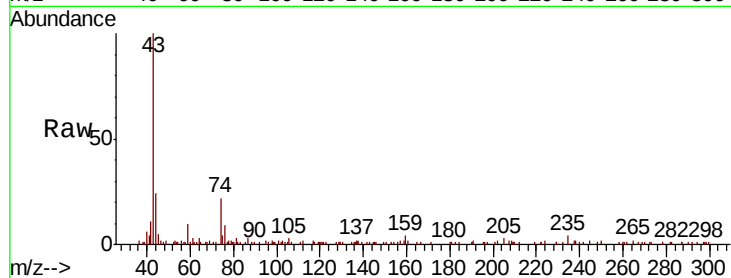




#15
Methyl Acetate
Concen: 5.60 ug/L
RT: 4.20 min Scan# 472
Delta R.T. 0.00 min
Lab File: VR025666.D
Acq: 5 Sep 2018 12:04

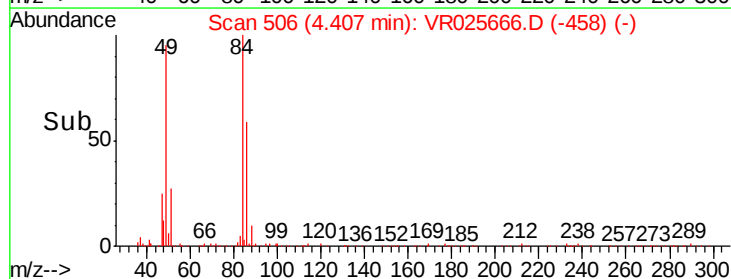
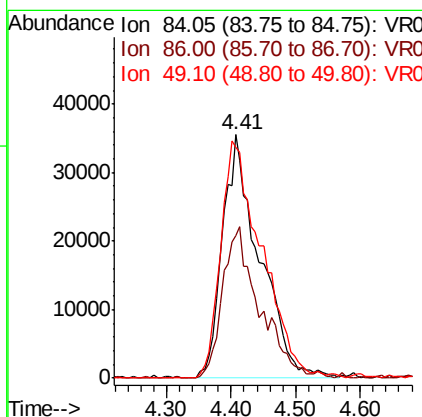
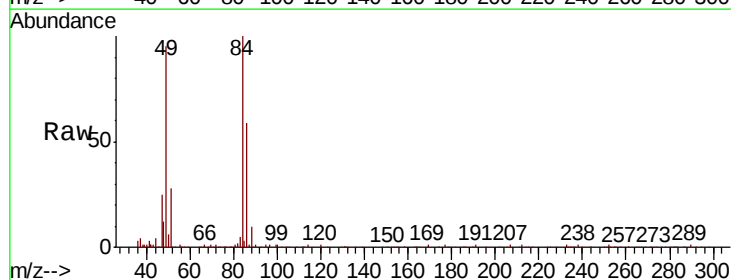
Instrument :
MSVOA_R
ClientSampled :

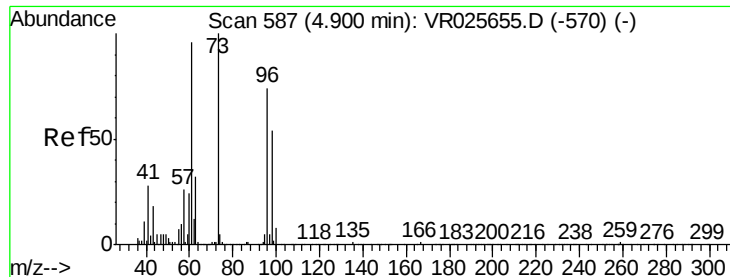
Tot Ion: 43 Resp: 29446
Ion Ratio Lower Upper
43 100
74 24.3 19.8 29.6



#16
Methylene chloride
Concen: 4.45 ug/L
RT: 4.41 min Scan# 506
Delta R.T. -0.01 min
Lab File: VR025666.D
Acq: 5 Sep 2018 12:04

Tgt Ion: 84 Resp: 141175
Ion Ratio Lower Upper
84 100
86 58.6 47.9 88.9
49 94.7 80.3 149.1

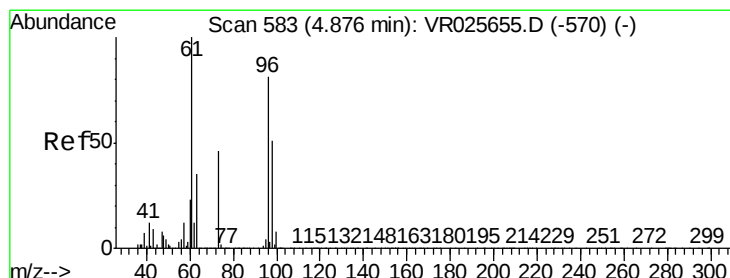
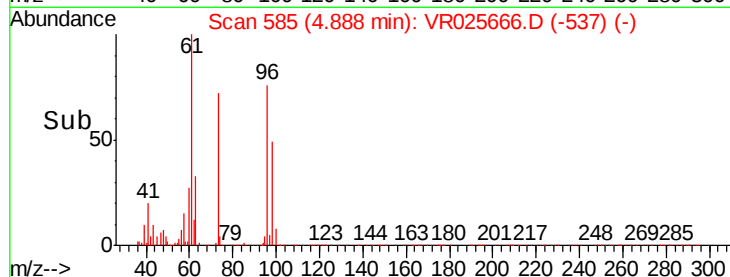
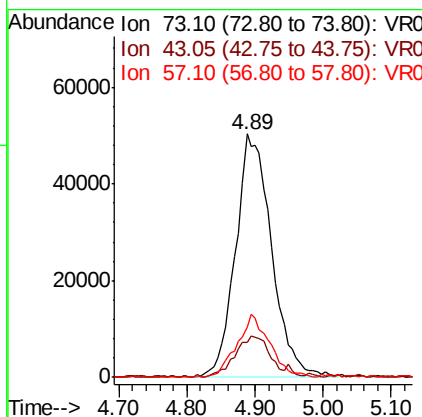
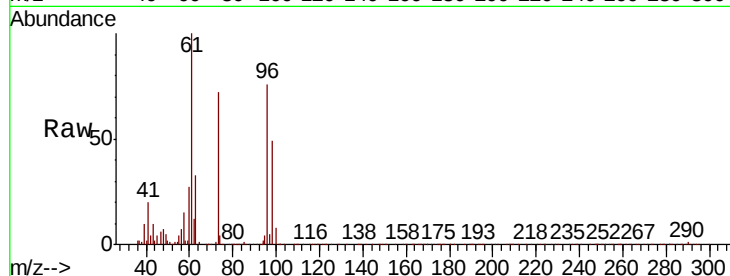




#17
Methvl tert-butvl Ether
Concen: 5.10 ug/L
RT: 4.89 min Scan# 585
Delta R.T. -0.01 min
Lab File: VR025666.D
Acq: 5 Sep 2018 12:04

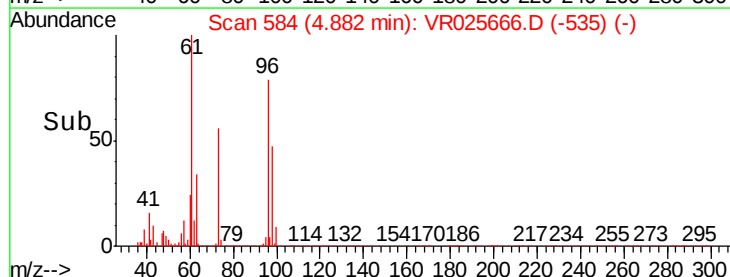
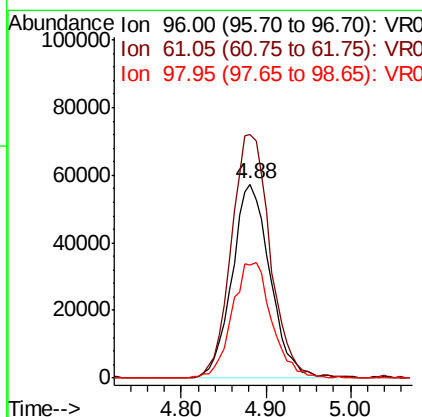
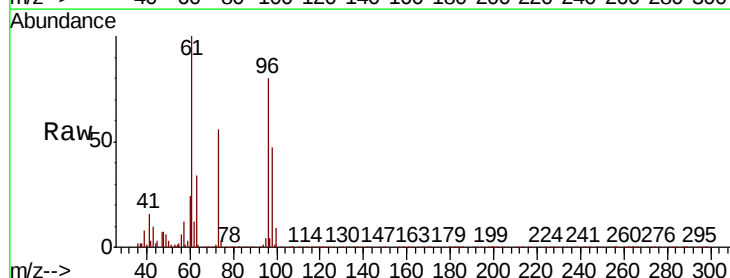
Instrument :
MSVOA_R
ClientSampleId :

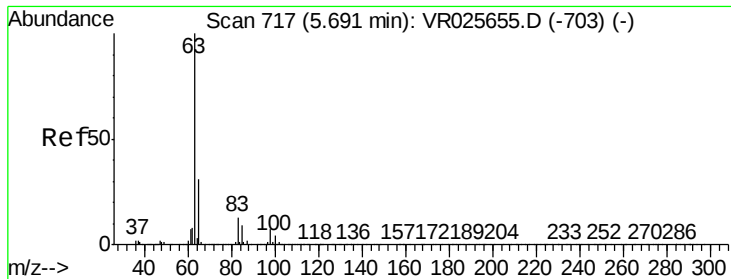
Tot Ion	Ratio	Lower	Upper
73	100		
43	16.1	14.8	22.2
57	23.4	19.9	29.9



#18
trans-1,2-Dichloroethene
Concen: 4.70 ug/L
RT: 4.88 min Scan# 584
Delta R.T. 0.00 min
Lab File: VR025666.D
Acq: 5 Sep 2018 12:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	125.7	87.5	162.5
98	58.5	41.1	76.3

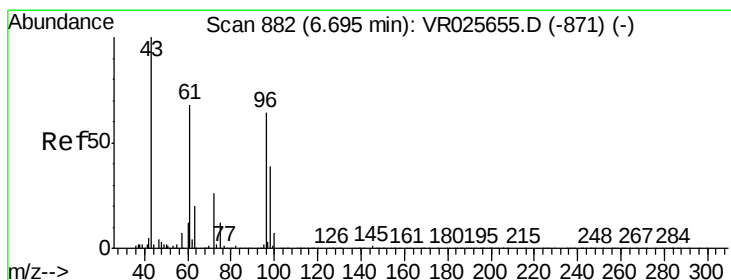
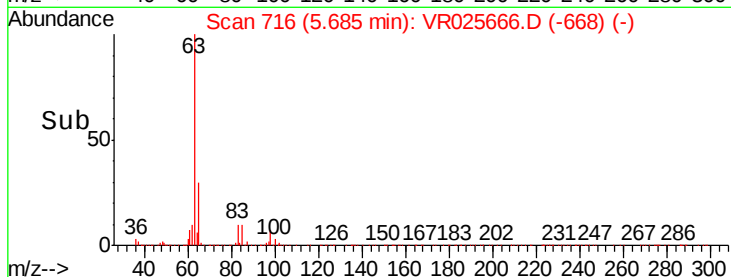
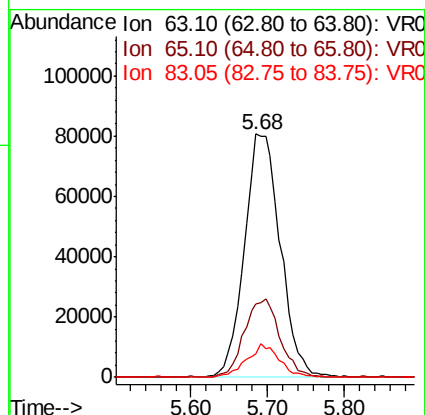
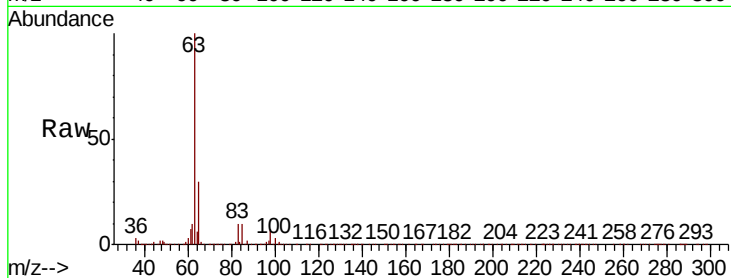




#19
 1,1-Dichloroethane
 Concen: 4.57 ug/L
 RT: 5.68 min Scan# 716
 Delta R.T. -0.01 min
 Lab File: VR025666.D
 Acq: 5 Sep 2018 12:04

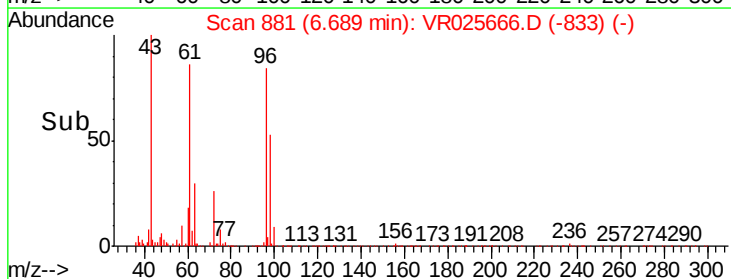
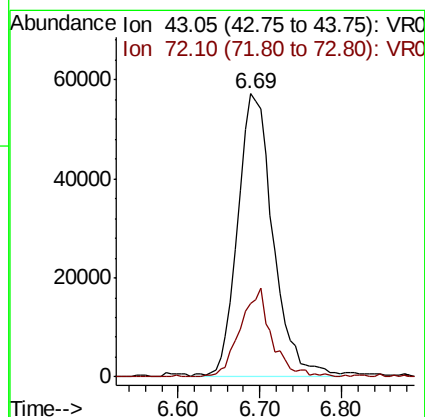
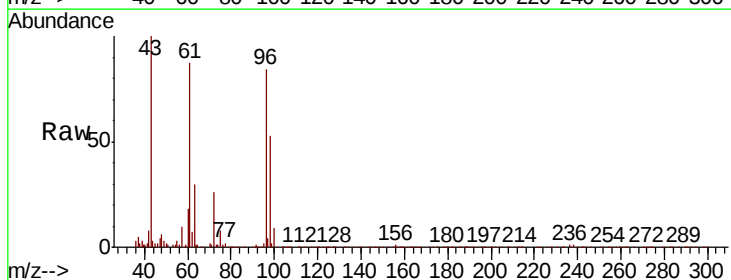
Instrument :
 MSVOA_R
 ClientSampleId :

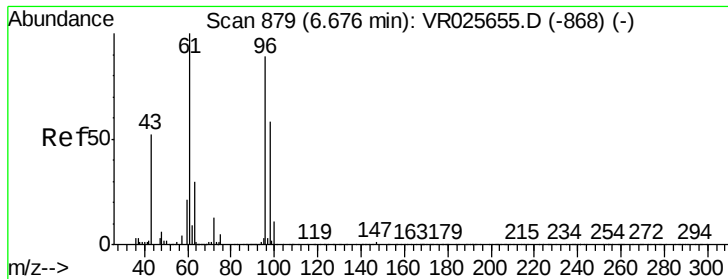
Tot Ion: 63 Resp: 263374
 Ion Ratio Lower Upper
 63 100
 65 30.0 22.9 42.5
 83 9.7 9.1 16.9



#21
 2-Butanone
 Concen: 61.89 ug/L
 RT: 6.69 min Scan# 881
 Delta R.T. -0.01 min
 Lab File: VR025666.D
 Acq: 5 Sep 2018 12:04

Tgt Ion: 43 Resp: 169593
 Ion Ratio Lower Upper
 43 100
 72 28.1 14.3 42.9



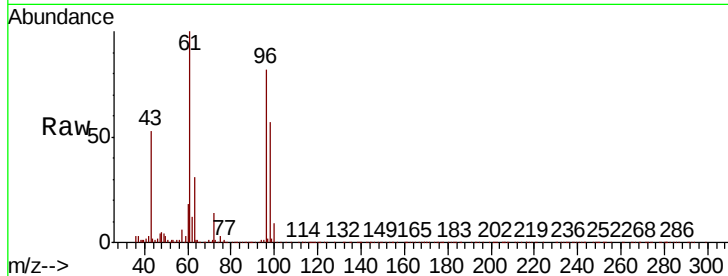


#22

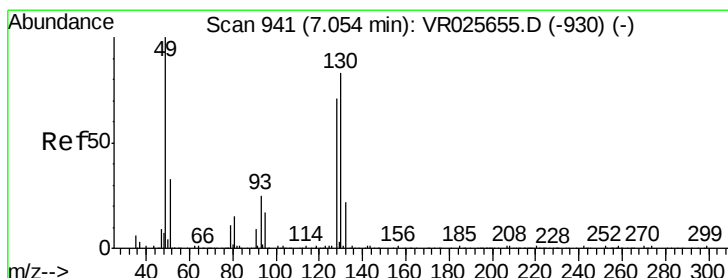
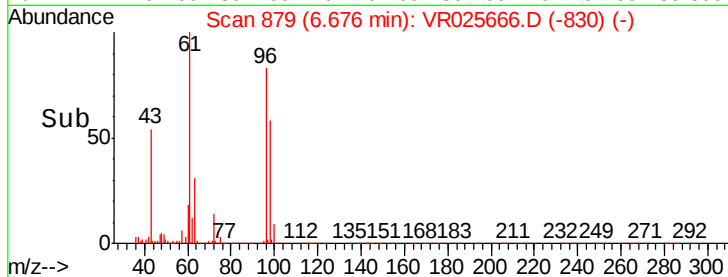
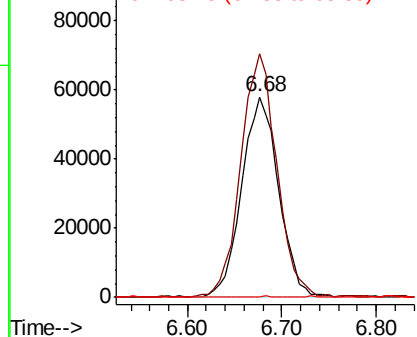
cis-1,2-Dichloroethene
Concen: 4.94 ug/L
RT: 6.68 min Scan# 879
Delta R.T. 0.00 min
Lab File: VR025666.D
Acq: 5 Sep 2018 12:04

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	121.5	76.7	142.5
68	0.2	0.1	0.3



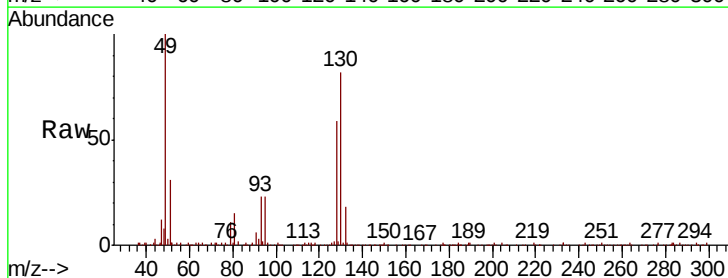
Abundance Ion 96.00 (95.70 to 96.70): VR0
Ion 61.05 (60.75 to 61.75): VR0
Ion 68.15 (67.85 to 68.85): VR0



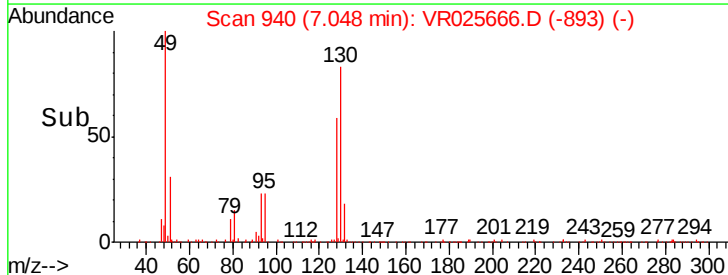
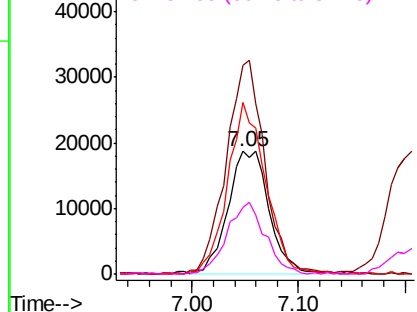
#23

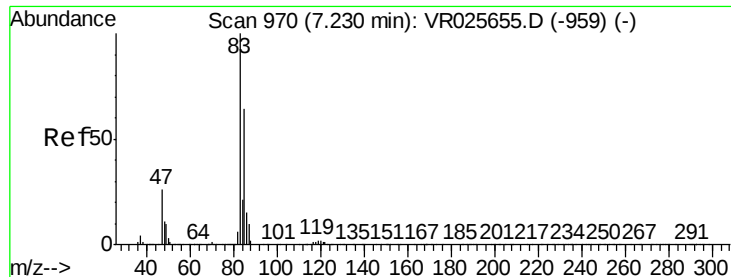
Bromochloromethane
Concen: 5.16 ug/L
RT: 7.05 min Scan# 940
Delta R.T. -0.01 min
Lab File: VR025666.D
Acq: 5 Sep 2018 12:04

Tgt Ion	Ratio	Lower	Upper
128	100		
49	169.4	118.1	219.3
130	139.7	87.6	162.6
51	54.3	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: 4.91 ug/L

RT: 7.23 min Scan# 970

Delta R.T. 0.00 min

Lab File: VR025666.D

Acq: 5 Sep 2018 12:04

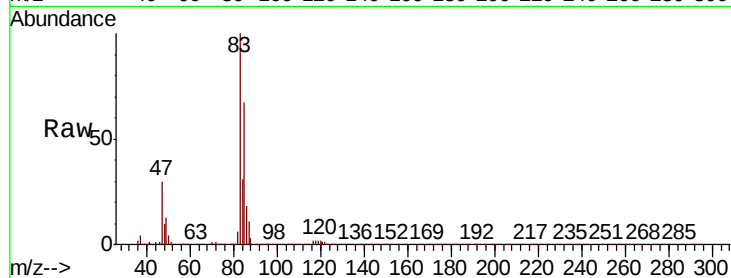
Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 83 Resp: 246054

Ion Ratio Lower Upper

83 100

85 66.9 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

80000

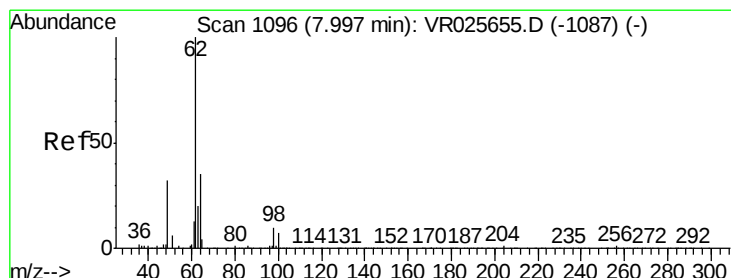
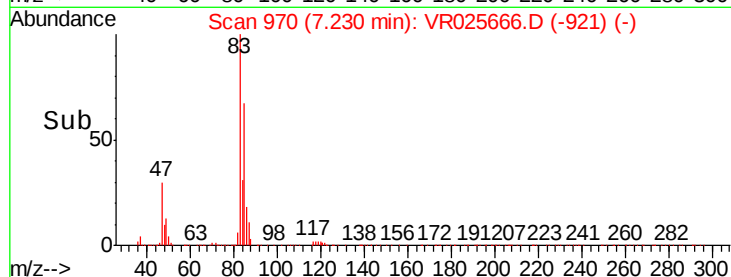
60000

40000

20000

0

Time--> 7.10 7.20 7.30



#27

1,2-Dichloroethane

Concen: 5.49 ug/L

RT: 8.00 min Scan# 1096

Delta R.T. 0.01 min

Lab File: VR025666.D

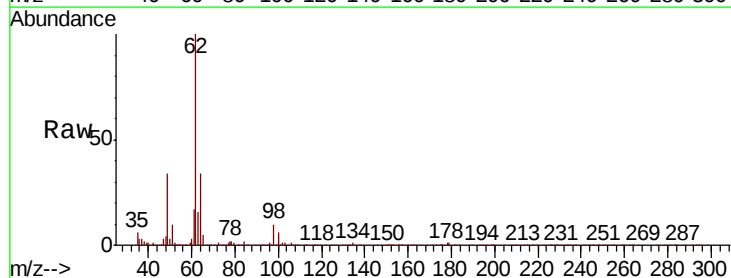
Acq: 5 Sep 2018 12:04

Tgt Ion: 62 Resp: 102810

Ion Ratio Lower Upper

62 100

98 10.1 7.1 10.7



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0

8.00

50000

40000

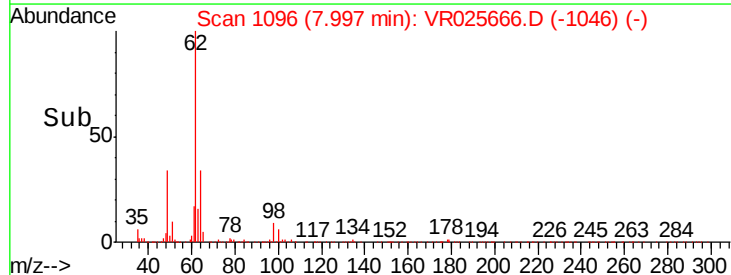
30000

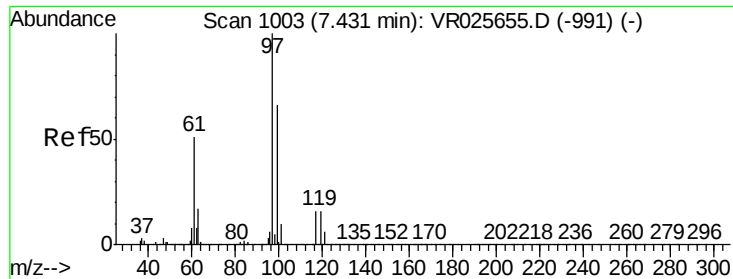
20000

10000

0

Time--> 7.90 7.95 8.00 8.05 8.10

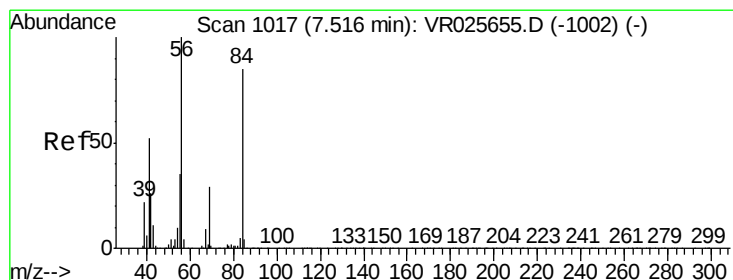
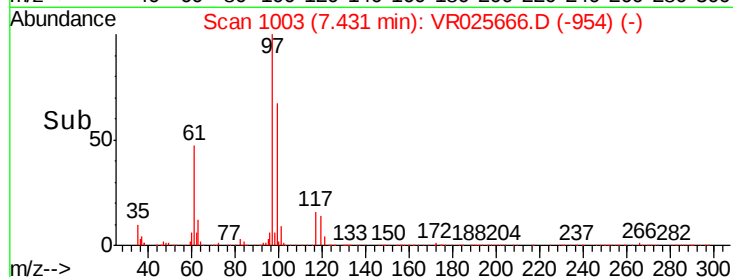
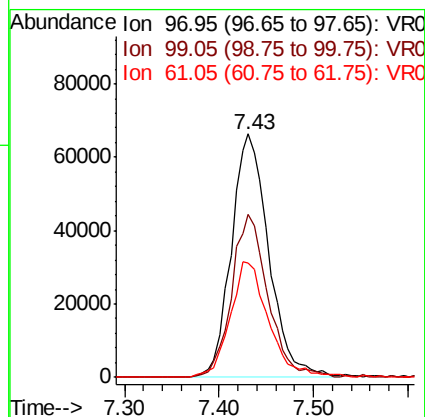
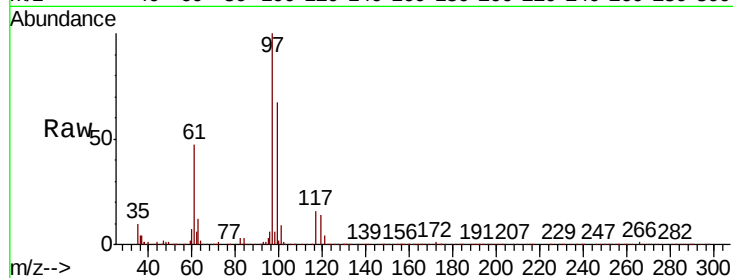




#29
 1,1,1-Trichloroethane
 Concen: 4.75 ug/L
 RT: 7.43 min Scan# 1003
 Delta R.T. 0.00 min
 Lab File: VR025666.D
 Acq: 5 Sep 2018 12:04

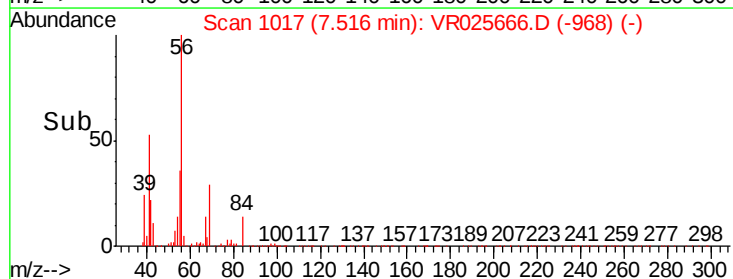
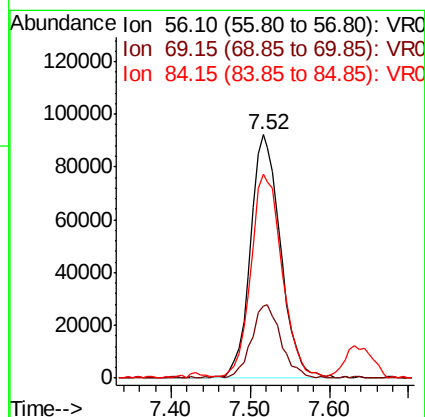
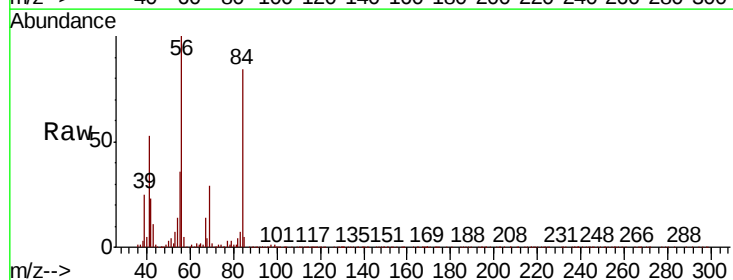
Instrument :
 MSVOA_R
 ClientSampleId :

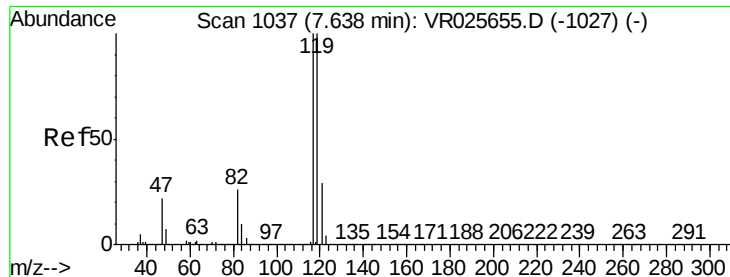
Tot Ion: 97 Resp: 182582
 Ion Ratio Lower Upper
 97 100
 99 65.2 52.6 79.0
 61 48.4 39.6 59.4



#30
 Cyclohexane
 Concen: 4.93 ug/L
 RT: 7.52 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: VR025666.D
 Acq: 5 Sep 2018 12:04

Tgt Ion: 56 Resp: 243937
 Ion Ratio Lower Upper
 56 100
 69 30.1 23.8 35.8
 84 87.0 68.2 102.4





#31

Carbon tetrachloride

Concen: 5.39 ug/L

RT: 7.64 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VR025666.D

Acq: 5 Sep 2018 12:04

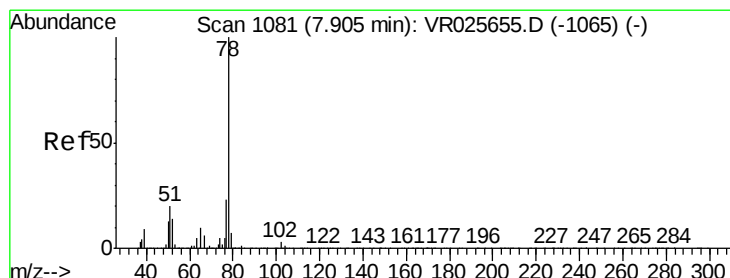
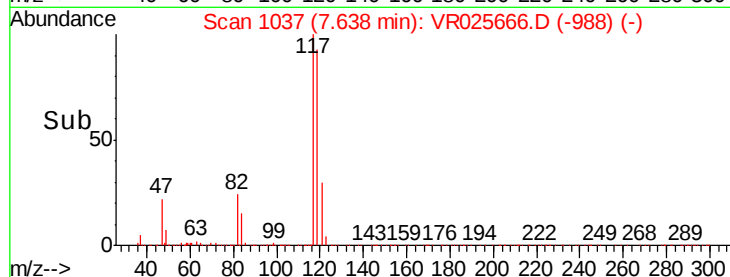
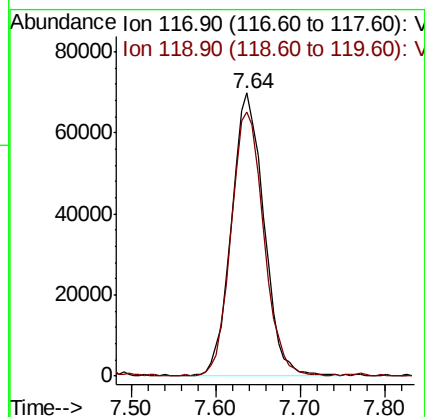
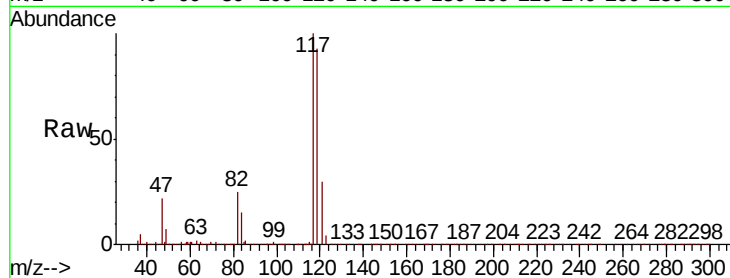
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion:117 Resp: 181978

Ion Ratio Lower Upper

117 100

119 93.8 77.0 115.6



#33

Benzene

Concen: 4.85 ug/L

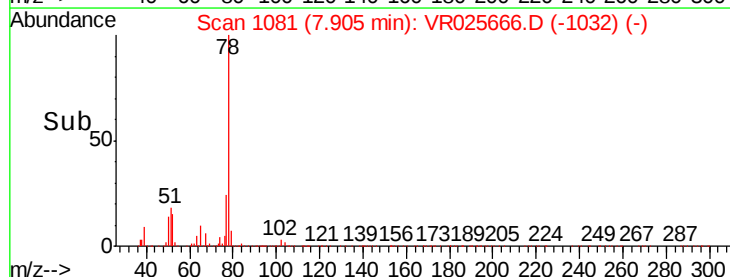
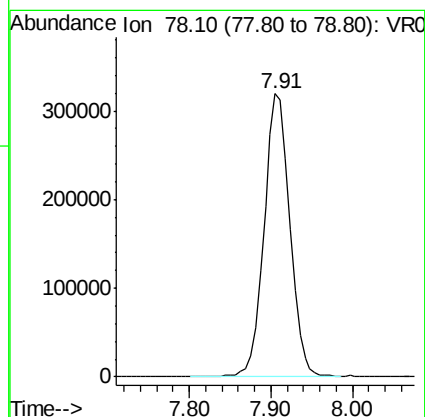
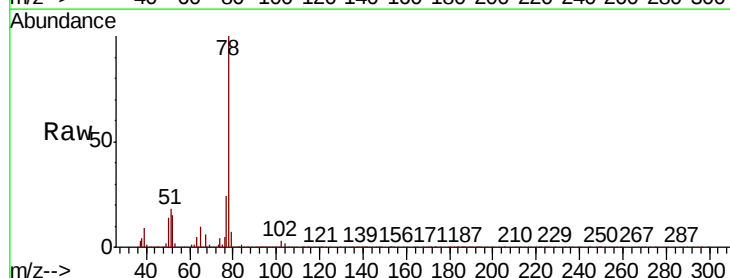
RT: 7.91 min Scan# 1081

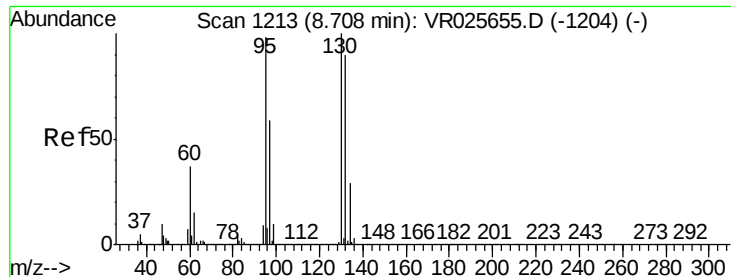
Delta R.T. 0.00 min

Lab File: VR025666.D

Acq: 5 Sep 2018 12:04

Tgt Ion: 78 Resp: 700948

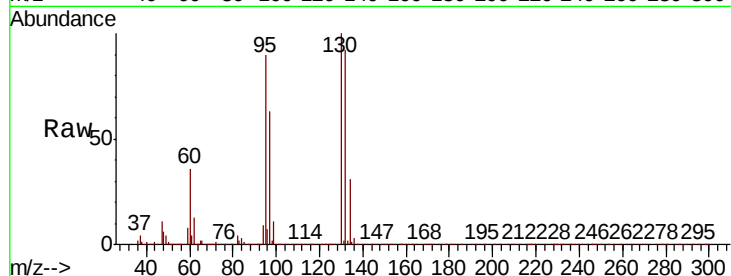




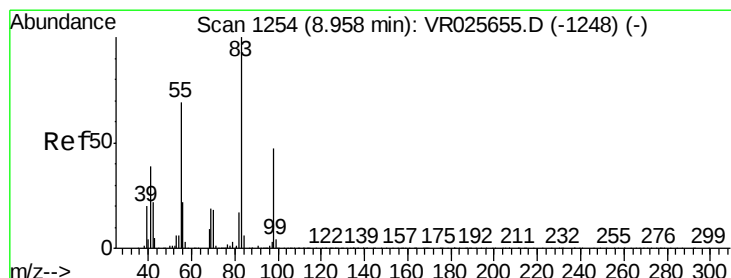
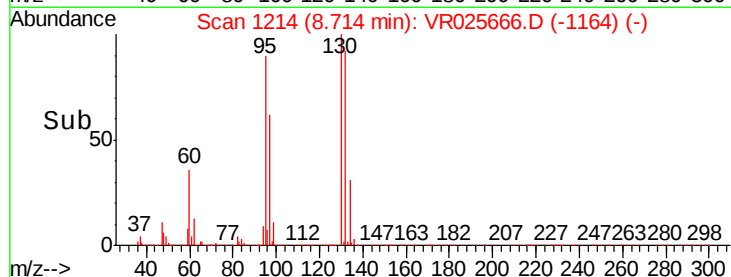
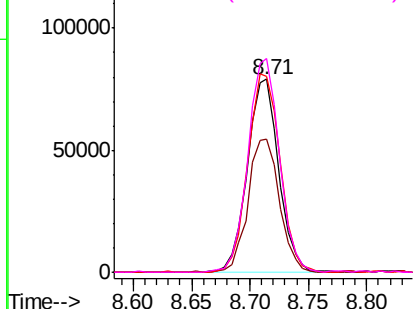
#34
 Trichloroethene
 Concen: 4.49 ug/L
 RT: 8.71 min Scan# 1214
 Delta R.T. 0.01 min
 Lab File: VR025666.D
 Acq: 5 Sep 2018 12:04

Instrument :
 MSVOA_R
 ClientSampled :

Tot Ion: 95 Resp: 148630
 Ion Ratio Lower Upper
 95 100
 97 69.4 45.7 84.9
 132 101.9 66.6 123.6
 130 110.8 72.2 134.0

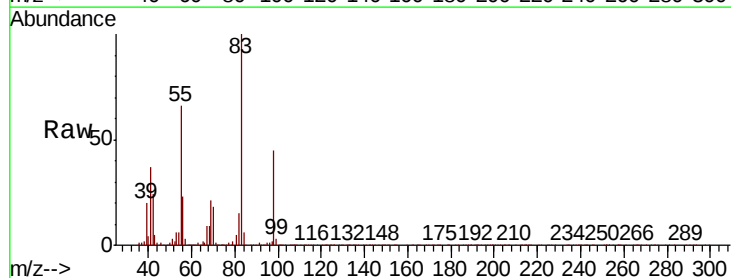


Abundance Ion 95.00 (94.70 to 95.70): VR0
 Ion 96.95 (96.65 to 97.65): VR0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

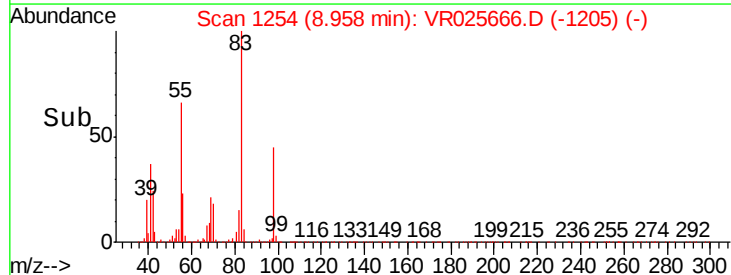
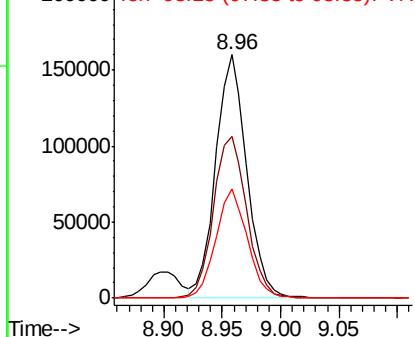


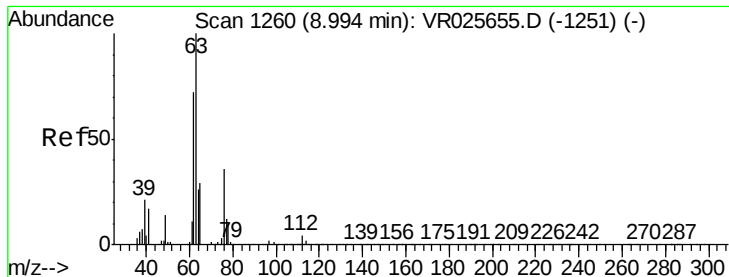
#35
 Methylcyclohexane
 Concen: 5.46 ug/L
 RT: 8.96 min Scan# 1254
 Delta R.T. 0.00 min
 Lab File: VR025666.D
 Acq: 5 Sep 2018 12:04

Tgt Ion: 83 Resp: 293918
 Ion Ratio Lower Upper
 83 100
 55 70.7 56.7 85.1
 98 46.0 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: 5.07 ug/L

RT: 8.99 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VR025666.D

Acq: 5 Sep 2018 12:04

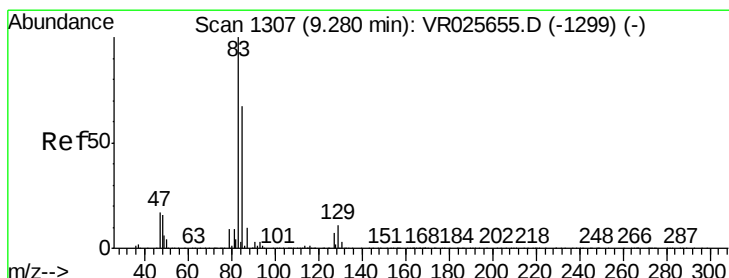
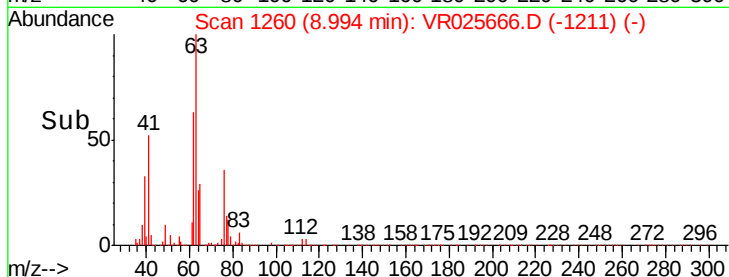
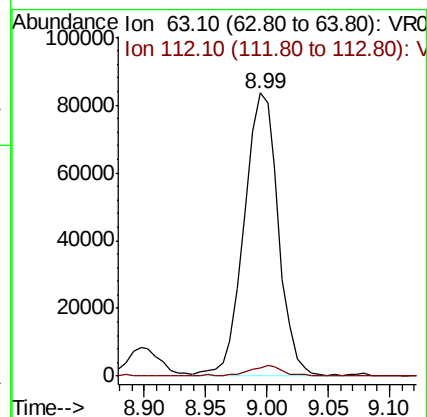
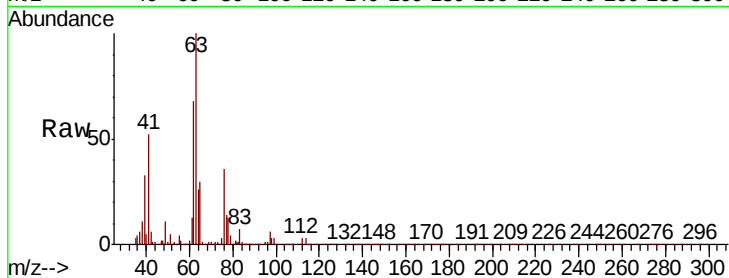
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 63 Resp: 160684

Ion Ratio Lower Upper

63 100

112 3.9 2.5 3.7#



#38

Bromodichloromethane

Concen: 5.17 ug/L

RT: 9.28 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VR025666.D

Acq: 5 Sep 2018 12:04

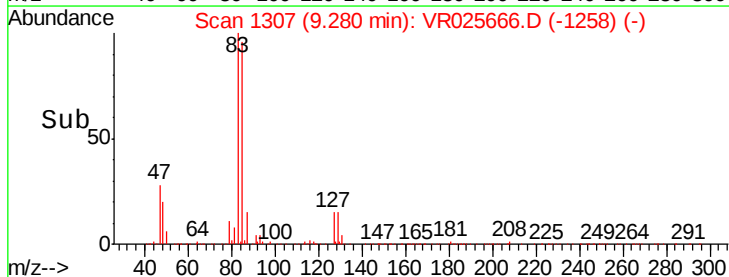
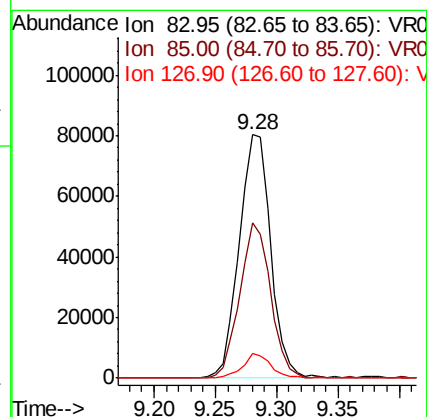
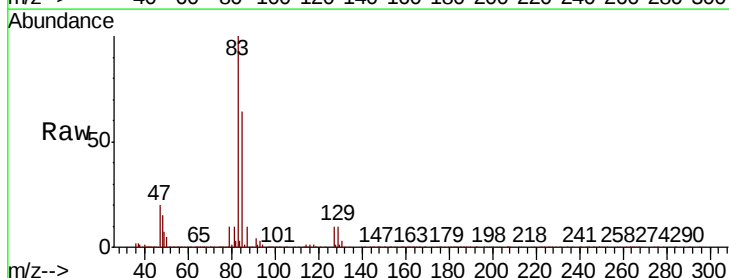
Tgt Ion: 83 Resp: 143038

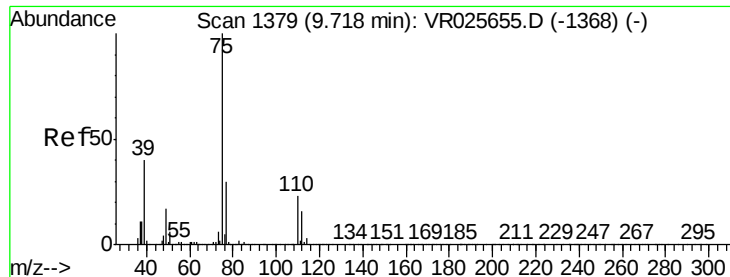
Ion Ratio Lower Upper

83 100

85 63.7 43.2 80.2

127 10.0 6.4 9.6#

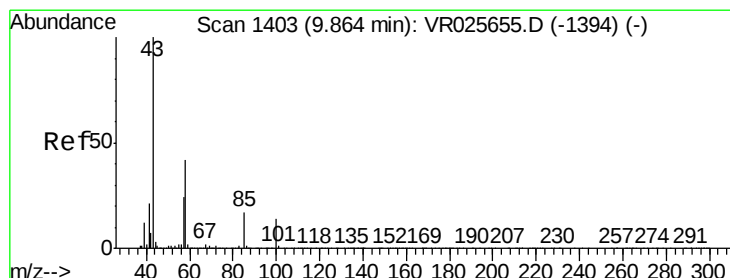
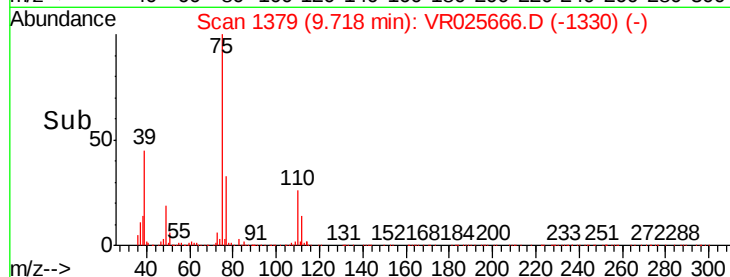
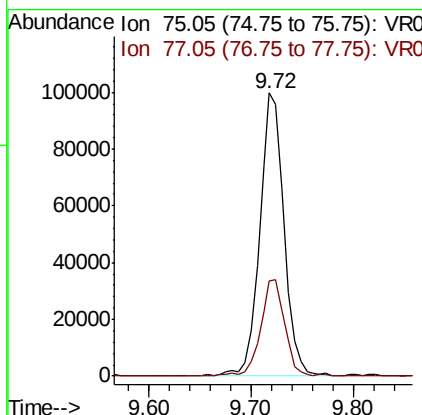
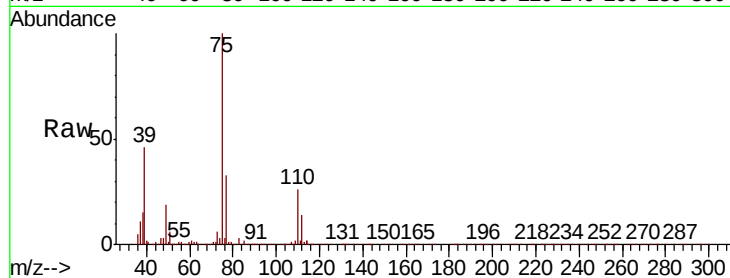




#39
 cis-1,3-Dichloropropene
 Concen: 5.11 ug/L
 RT: 9.72 min Scan# 1379
 Delta R.T. 0.00 min
 Lab File: VR025666.D
 Acq: 5 Sep 2018 12:04

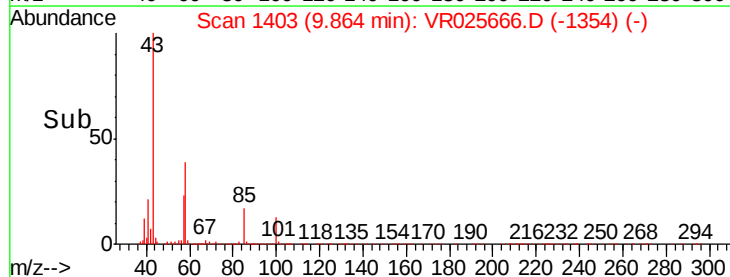
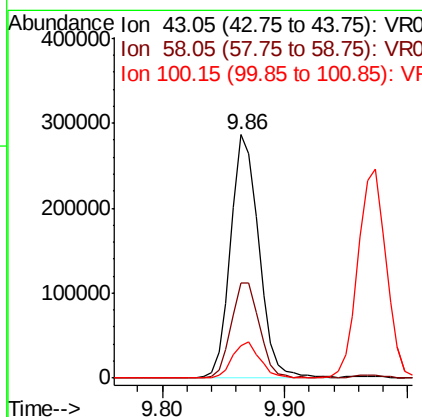
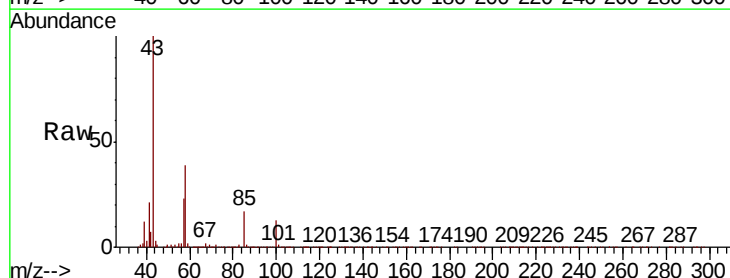
Instrument :
 MSVOA_R
 ClientSampleId :

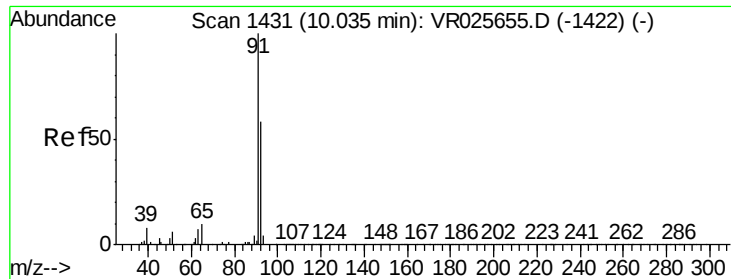
Tot Ion: 75 Resp: 165903
 Ion Ratio Lower Upper
 75 100
 77 33.5 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 59.42 ug/L
 RT: 9.86 min Scan# 1403
 Delta R.T. 0.00 min
 Lab File: VR025666.D
 Acq: 5 Sep 2018 12:04

Tgt Ion: 43 Resp: 456228
 Ion Ratio Lower Upper
 43 100
 58 39.3 31.4 47.2
 100 14.3 11.5 17.3





#42

Toluene

Concen: 5.35 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VR025666.D

Acq: 5 Sep 2018 12:04

Instrument :

MSVOA_R

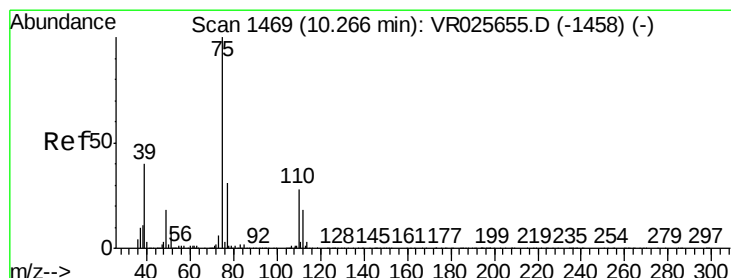
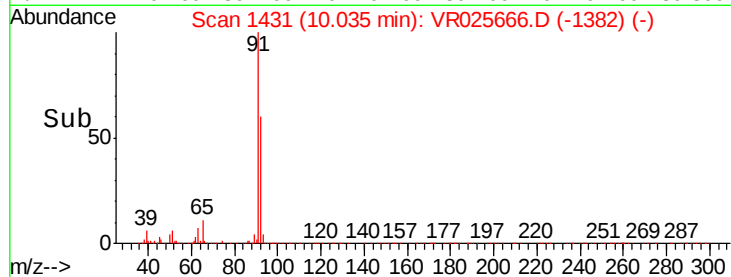
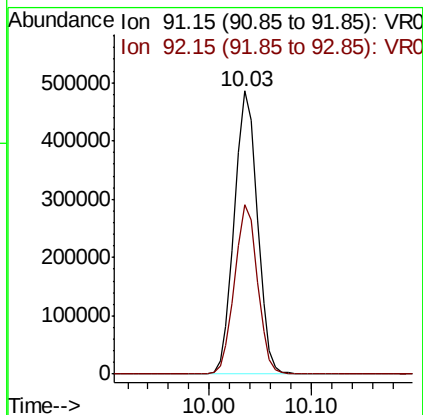
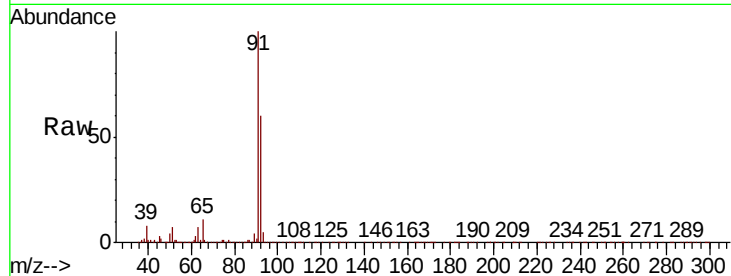
ClientSampleId :

Tot Ion: 91 Resp: 757485

Ion Ratio Lower Upper

91 100

92 59.9 42.0 78.0



#44

trans-1,3-Dichloropropene

Concen: 5.10 ug/L

RT: 10.27 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VR025666.D

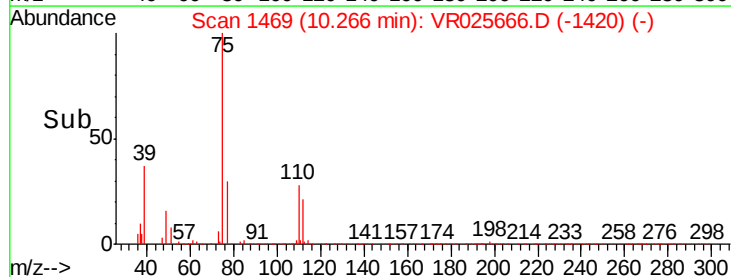
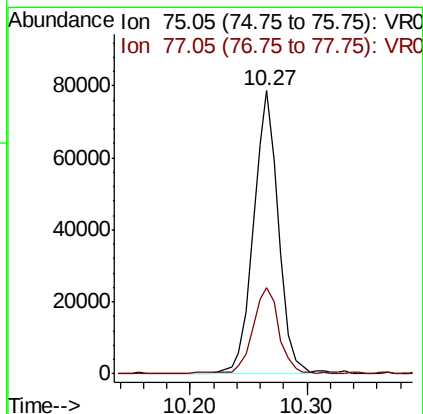
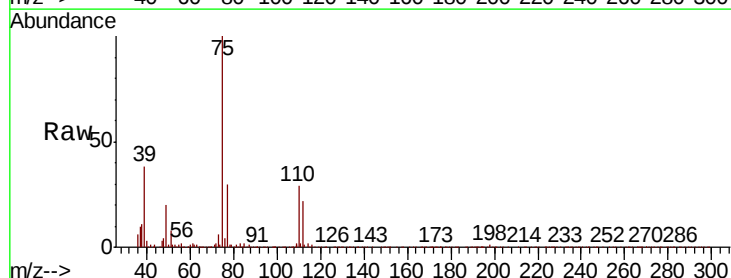
Acq: 5 Sep 2018 12:04

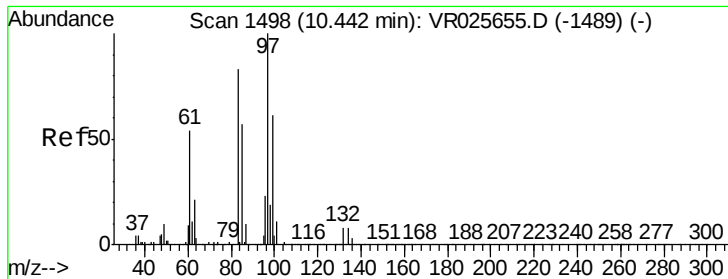
Tgt Ion: 75 Resp: 117002

Ion Ratio Lower Upper

75 100

77 30.4 22.3 41.5

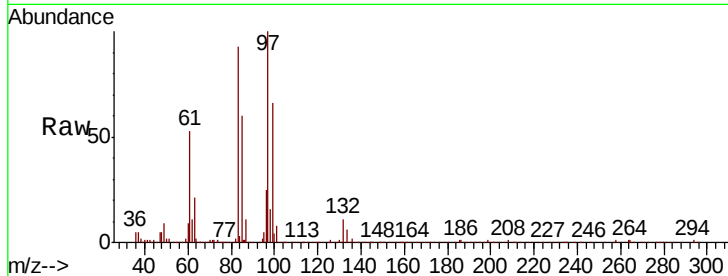




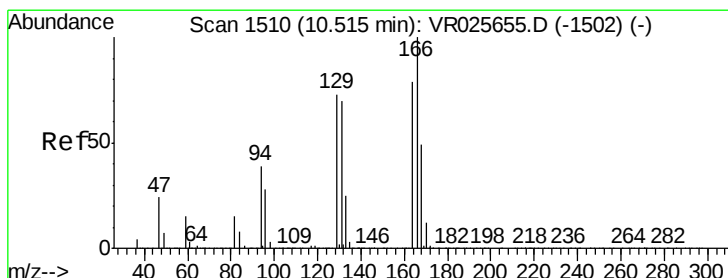
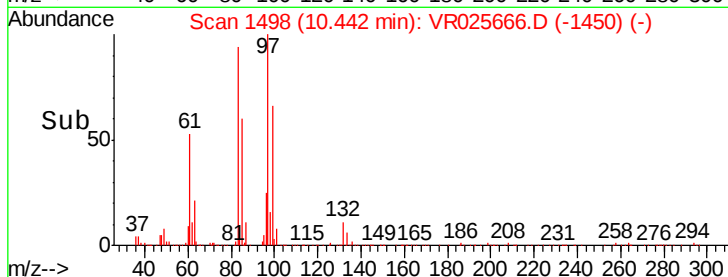
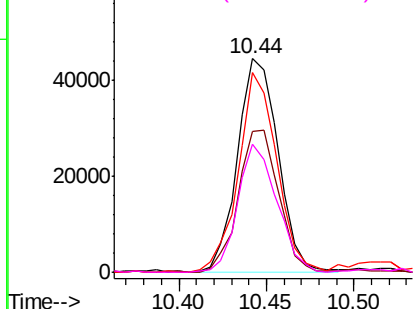
#45
 1,1,2-Trichloroethane
 Concen: 5.14 ug/L
 RT: 10.44 min Scan# 1498
 Delta R.T. -0.01 min
 Lab File: VR025666.D
 Acq: 5 Sep 2018 12:04

Instrument :
 MSVOA_R
 ClientSampleId :

Tot Ion:	97	Resp:	71938
Ion	Ratio	Lower	Upper
97	100		
99	66.1	41.2	76.6
83	93.4	60.1	111.7
85	60.4	34.3	63.7

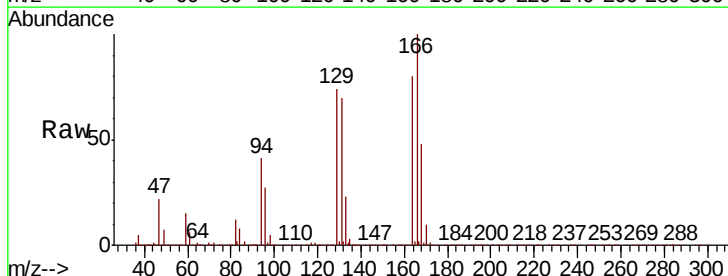


Abundance Ion 96.95 (96.65 to 97.65): VR0
 Ion 99.05 (98.75 to 99.75): VR0
 Ion 82.95 (82.65 to 83.65): VR0
 Ion 85.00 (84.70 to 85.70): VR0

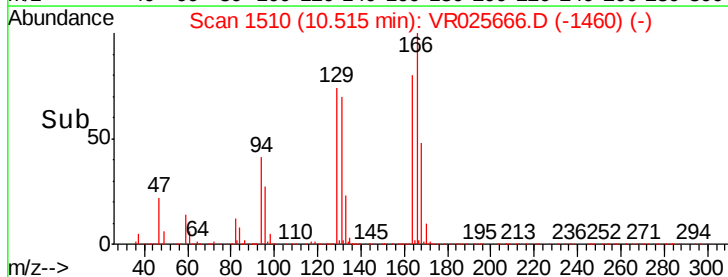
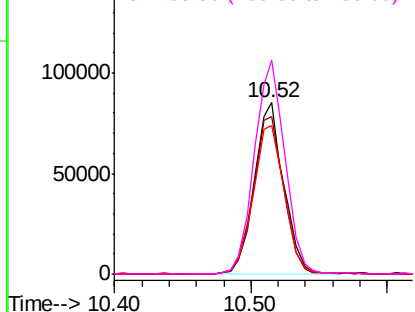


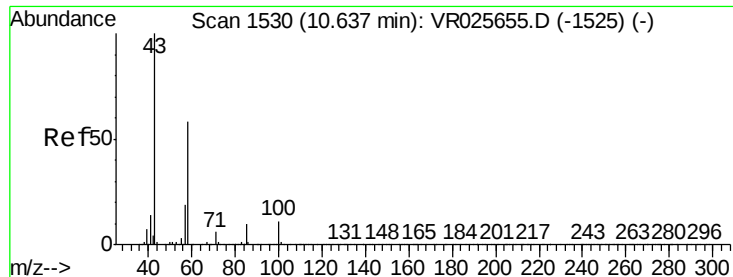
#47
 Tetrachloroethene
 Concen: 5.09 ug/L
 RT: 10.52 min Scan# 1510
 Delta R.T. 0.01 min
 Lab File: VR025666.D
 Acq: 5 Sep 2018 12:04

Tgt Ion:	164	Resp:	128753
Ion	Ratio	Lower	Upper
164	100		
129	92.0	68.7	127.5
131	87.1	66.4	123.4
166	124.9	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

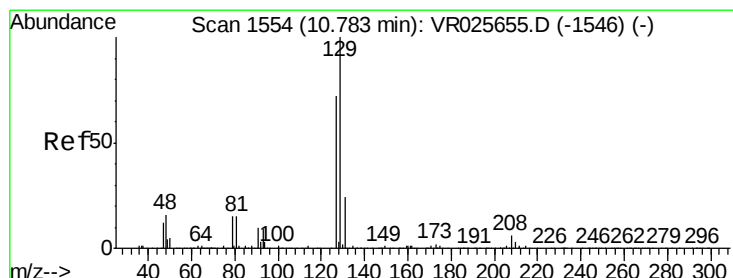
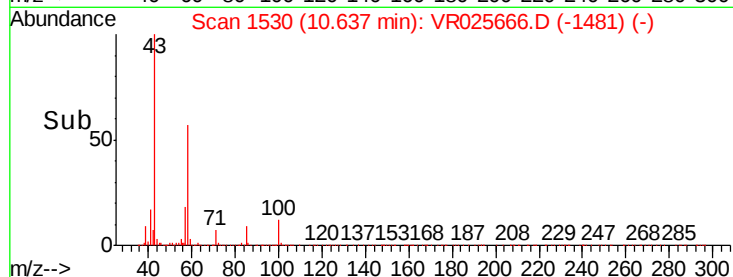
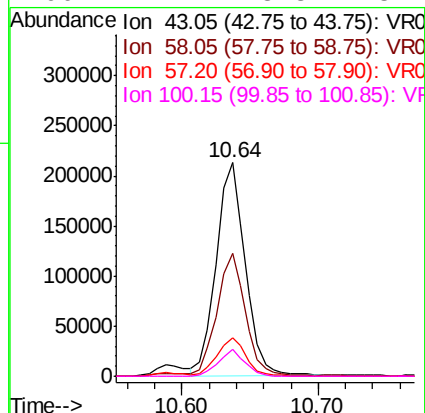
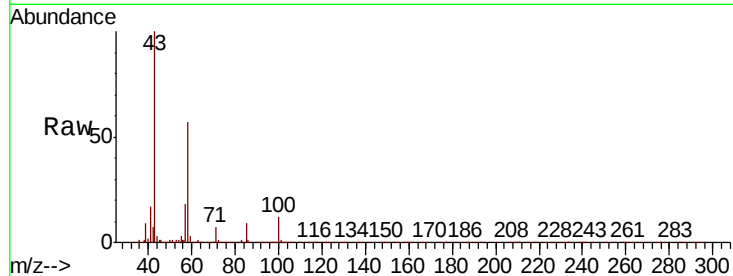




#48
2-Hexanone
Concen: 58.81 ug/L
RT: 10.64 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VR025666.D
Acq: 5 Sep 2018 12:04

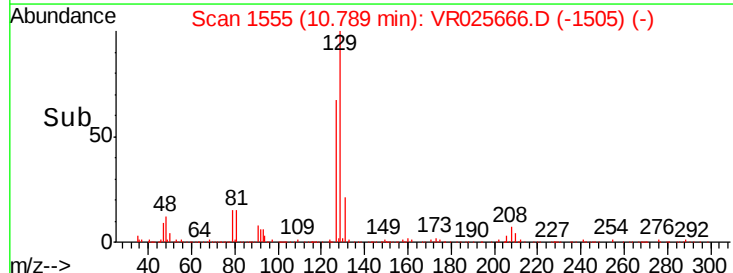
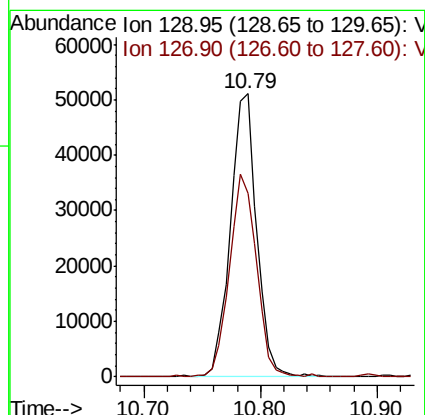
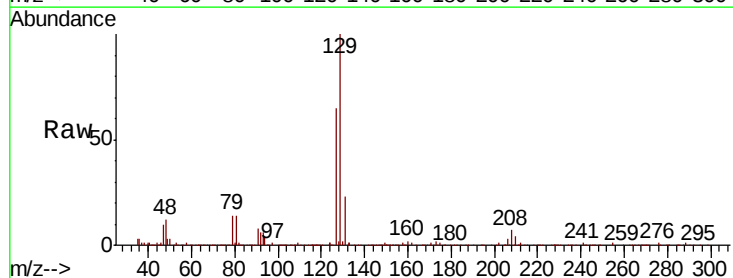
Instrument :
MSVOA_R
ClientSampleId :

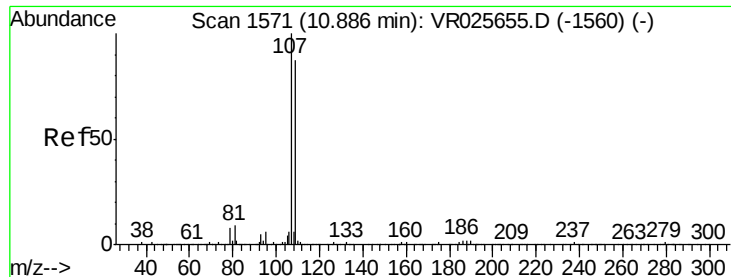
Tot Ion: 43 Resp: 314783
Ion Ratio Lower Upper
43 100
58 58.4 46.4 69.6
57 18.0 14.3 21.5
100 11.4 8.8 13.2



#49
Dibromochloromethane
Concen: 5.33 ug/L
RT: 10.79 min Scan# 1555
Delta R.T. 0.01 min
Lab File: VR025666.D
Acq: 5 Sep 2018 12:04

Tgt Ion: 129 Resp: 80353
Ion Ratio Lower Upper
129 100
127 64.8 51.6 95.8

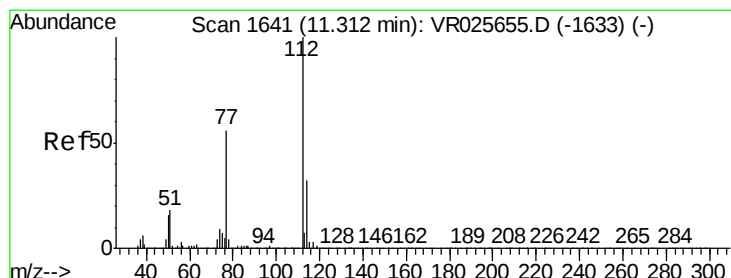
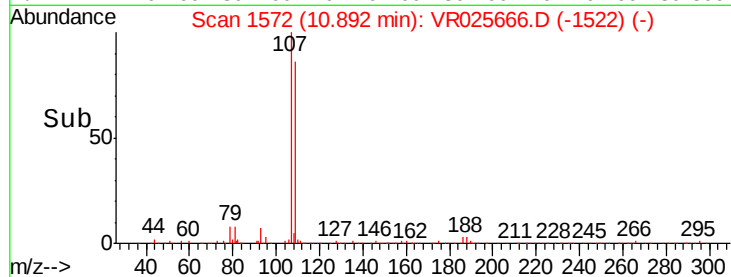
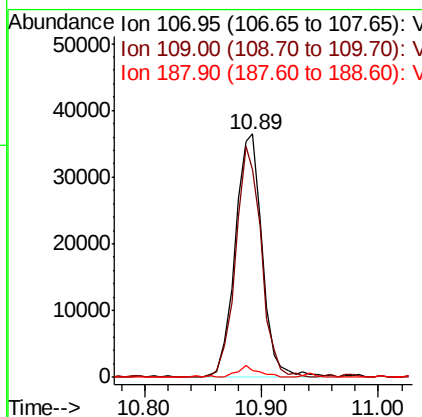
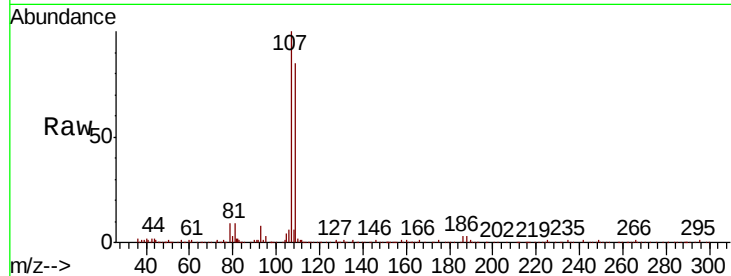




#50
1,2-Dibromoethane
Concen: 5.30 ug/L
RT: 10.89 min Scan# 1572
Delta R.T. 0.01 min
Lab File: VR025666.D
Acq: 5 Sep 2018 12:04

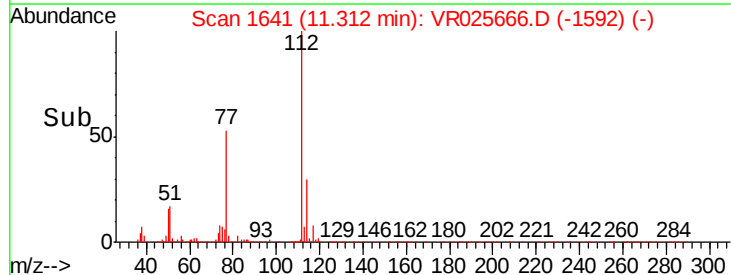
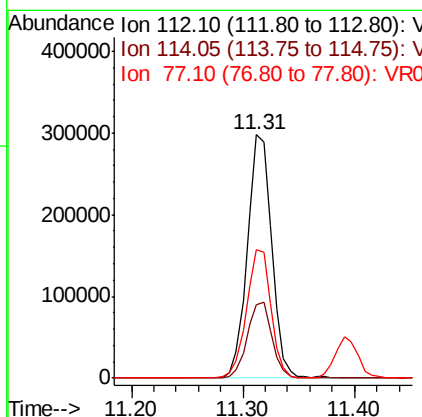
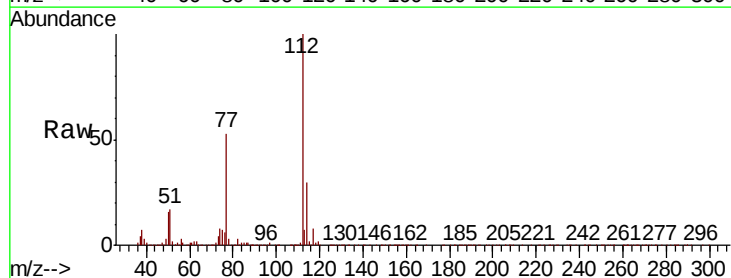
Instrument :
MSVOA_R
ClientSampleId :

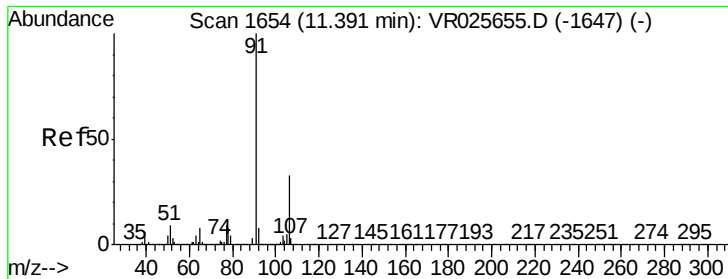
Tot Ion:107 Resp: 58771
Ion Ratio Lower Upper
107 100
109 85.3 70.1 130.1
188 2.8 2.6 3.8



#51
Chlorobenzene
Concen: 5.12 ug/L
RT: 11.31 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VR025666.D
Acq: 5 Sep 2018 12:04

Tgt Ion:112 Resp: 451796
Ion Ratio Lower Upper
112 100
114 30.2 21.8 40.4
77 52.5 43.0 64.4





#52

Ethylbenzene

Concen: 5.49 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VR025666.D

Acq: 5 Sep 2018 12:04

Instrument :

MSVOA_R

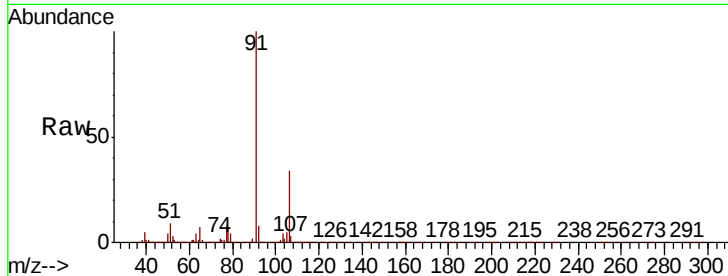
ClientSampleId :

Tot Ion: 91 Resp: 830804

Ion Ratio Lower Upper

91 100

106 33.6 21.9 40.7



Abundance Ion 91.15 (90.85 to 91.85): VR025655.D (-1647) (-)

Ion 106.15 (105.85 to 106.85): VR025655.D (-1647) (-)

11.39

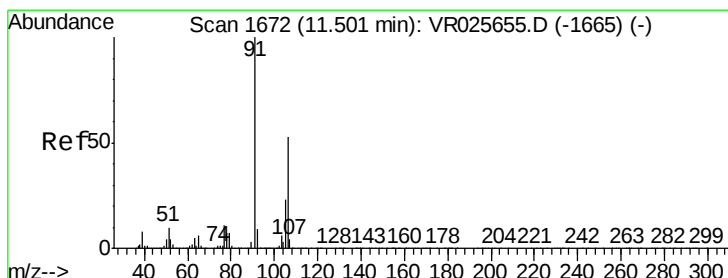
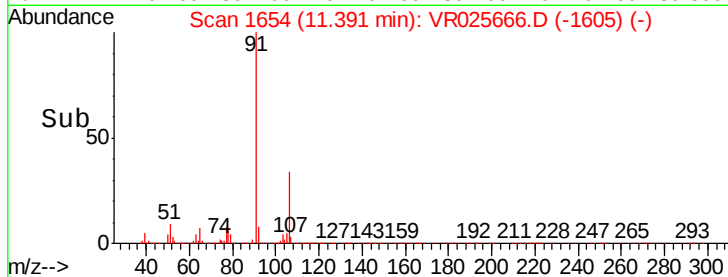
600000

400000

200000

0

Time--> 11.30 11.40



#53

m,p-Xylene

Concen: 5.51 ug/L

RT: 11.50 min Scan# 1672

Delta R.T. -0.01 min

Lab File: VR025666.D

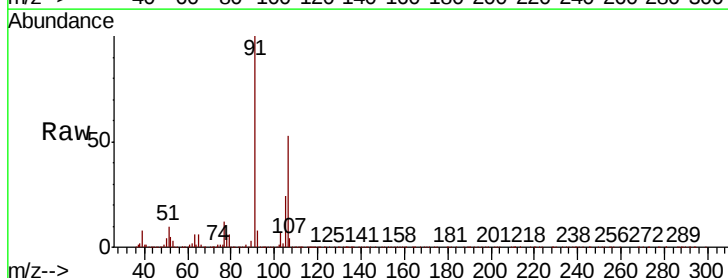
Acq: 5 Sep 2018 12:04

Tgt Ion: 106 Resp: 333648

Ion Ratio Lower Upper

106 100

91 189.0 130.9 243.1



Abundance Ion 106.15 (105.85 to 106.85): VR025655.D (-1665) (-)

Ion 91.15 (90.85 to 91.85): VR025655.D (-1665) (-)

11.50

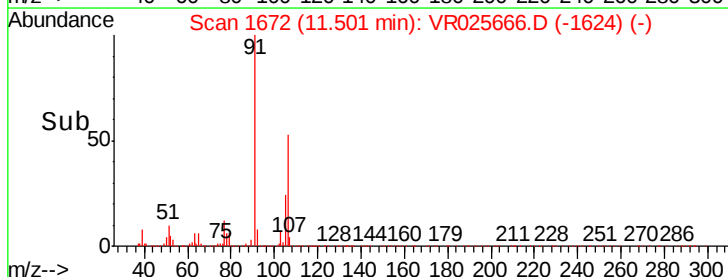
600000

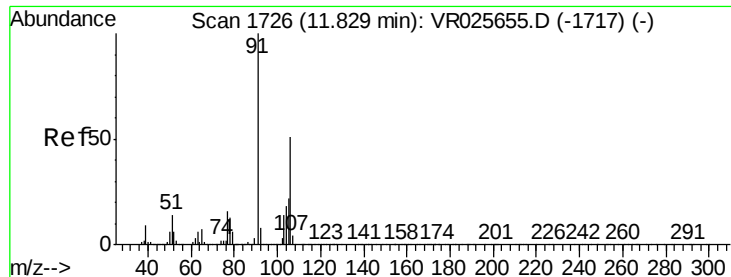
400000

200000

0

Time--> 11.40 11.50 11.60

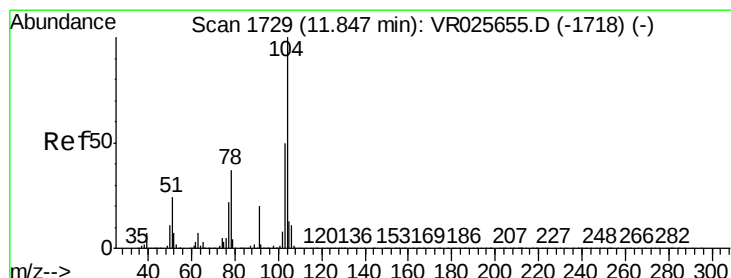
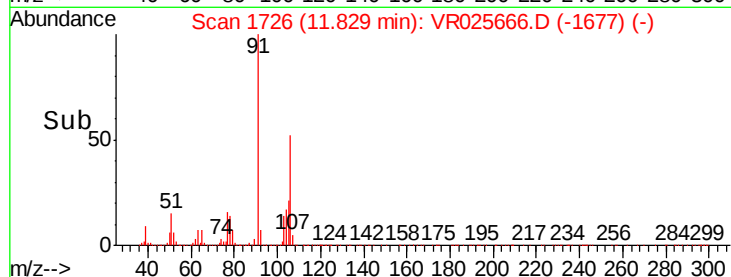
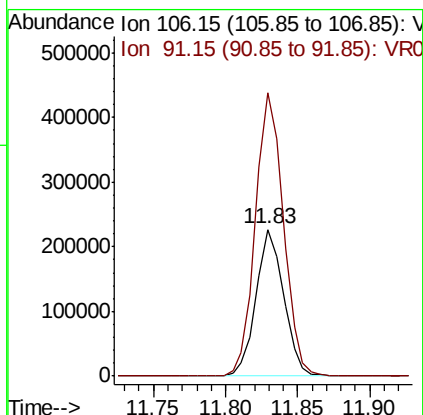
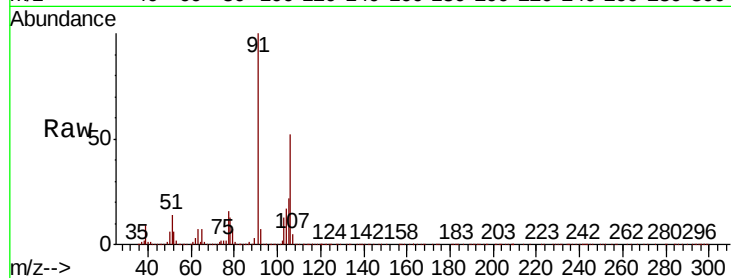




#54
o-Xylene
Concen: 5.55 ug/L
RT: 11.83 min Scan# 1726
Delta R.T. 0.00 min
Lab File: VR025666.D
Acq: 5 Sep 2018 12:04

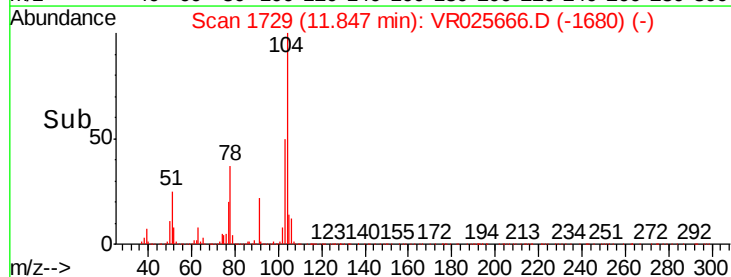
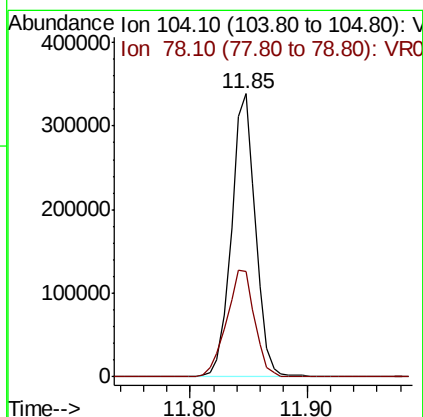
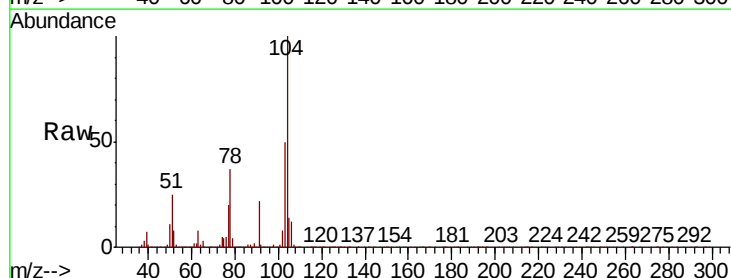
Instrument :
MSVOA_R
ClientSampleId :

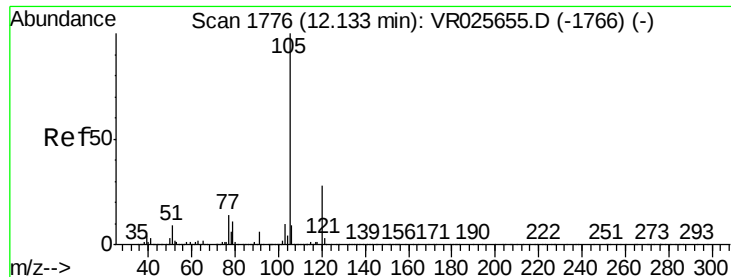
Tot Ion:106 Resp: 299518
Ion Ratio Lower Upper
106 100
91 192.5 137.5 255.3



#55
Styrene
Concen: 5.54 ug/L
RT: 11.85 min Scan# 1729
Delta R.T. 0.00 min
Lab File: VR025666.D
Acq: 5 Sep 2018 12:04

Tgt Ion:104 Resp: 482868
Ion Ratio Lower Upper
104 100
78 37.4 26.2 48.6





#56

Isopropylbenzene

Concen: 5.76 ug/L

RT: 12.13 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VR025666.D

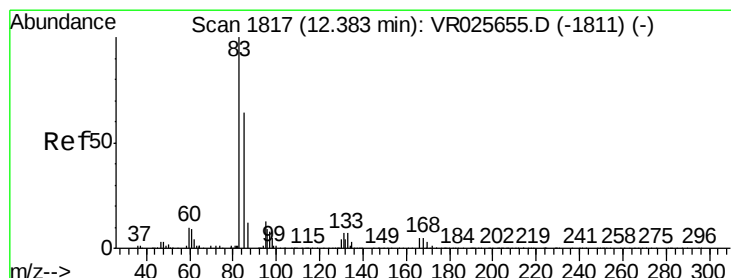
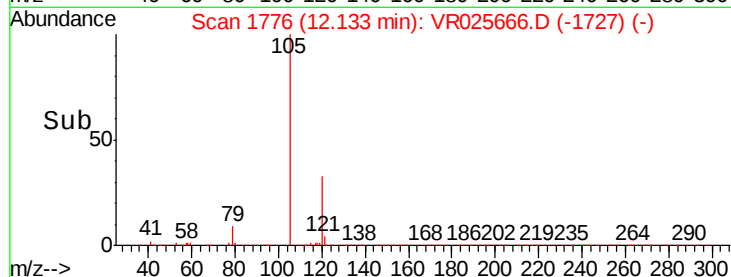
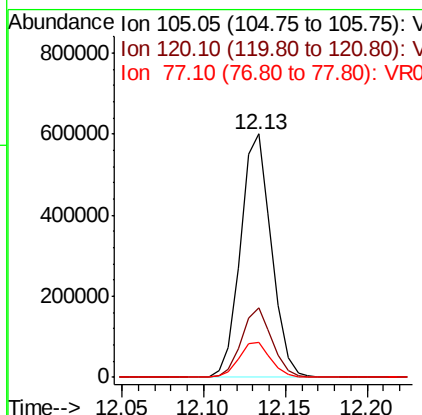
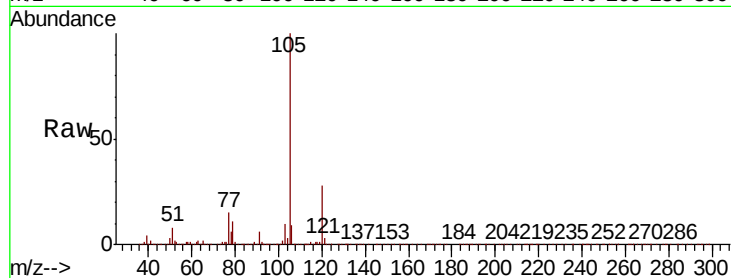
Acq: 5 Sep 2018 12:04

Instrument :

MSVOA_R

ClientSampled :

Tot Ion:	105	Resp:	788213
Ion	Ratio	Lower	Upper
105	100		
120	28.1	22.2	33.4
77	14.8	11.6	17.4



#58

1,1,2,2-Tetrachloroethane

Concen: 5.10 ug/L

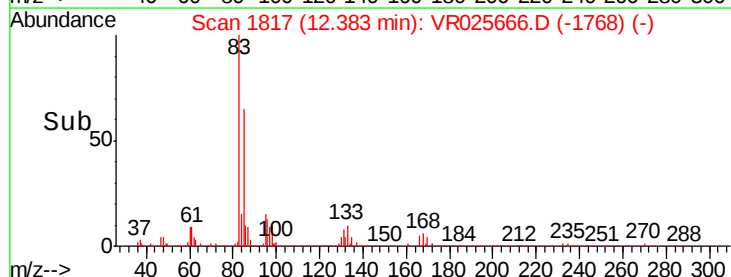
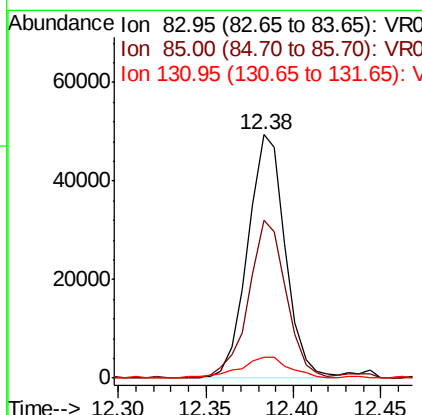
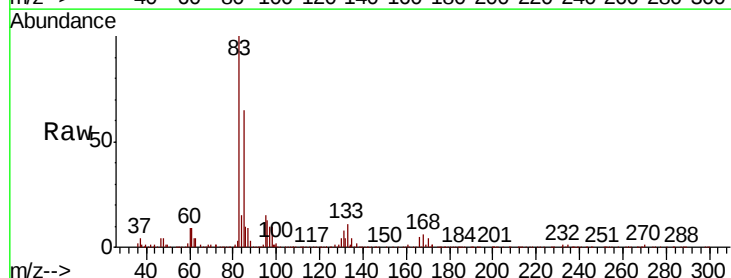
RT: 12.38 min Scan# 1817

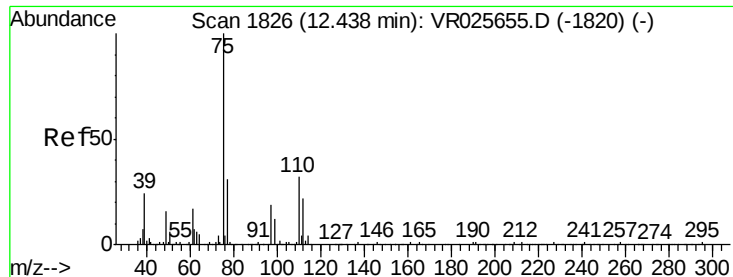
Delta R.T. 0.00 min

Lab File: VR025666.D

Acq: 5 Sep 2018 12:04

Tgt Ion:	83	Resp:	73762
Ion	Ratio	Lower	Upper
83	100		
85	65.0	42.3	78.5
131	8.4	7.8	11.6





#59

1,2,3-Trichloropropane

Concen: 4.81 ug/L

RT: 12.44 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VR025666.D

Acq: 5 Sep 2018 12:04

Instrument :

MSVOA_R

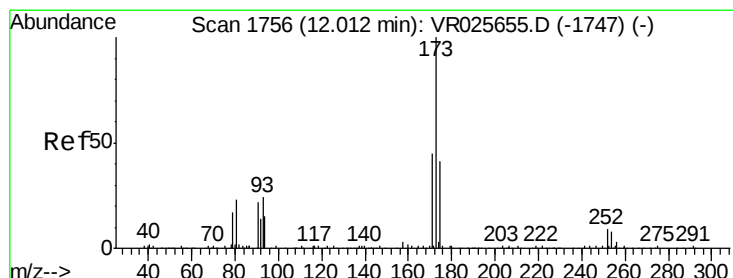
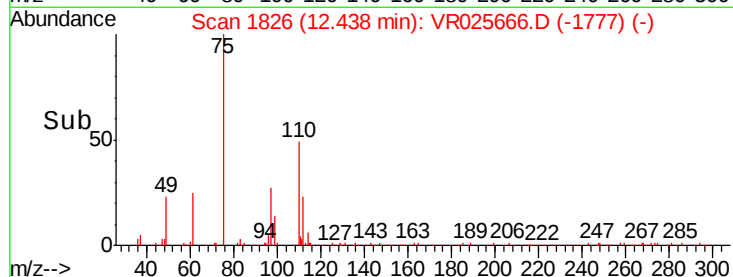
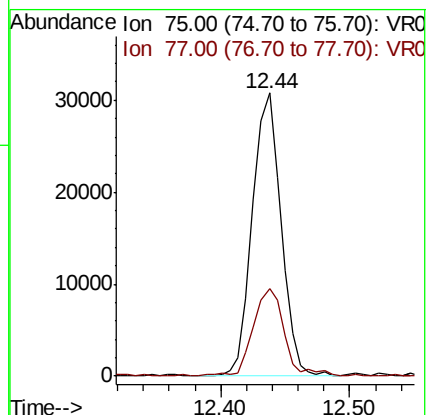
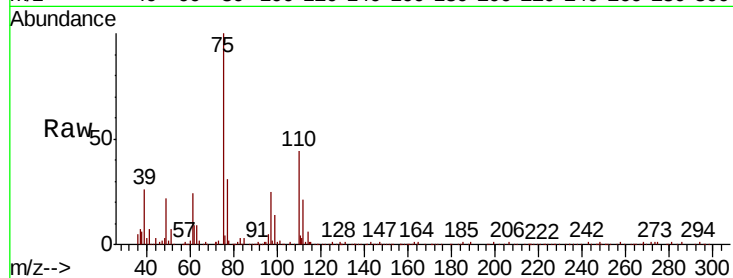
ClientSampleId :

Tot Ion: 75 Resp: 47290

Ion Ratio Lower Upper

75 100

77 33.5 23.5 35.3



#61

Bromoform

Concen: 4.66 ug/L

RT: 12.01 min Scan# 1755

Delta R.T. -0.01 min

Lab File: VR025666.D

Acq: 5 Sep 2018 12:04

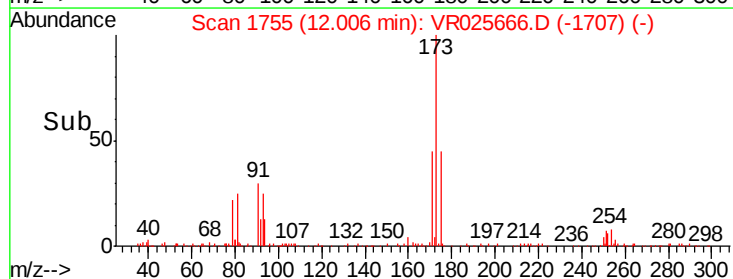
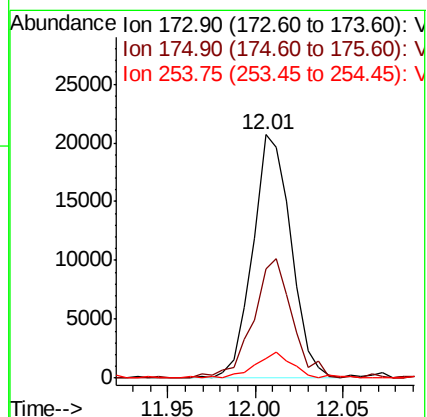
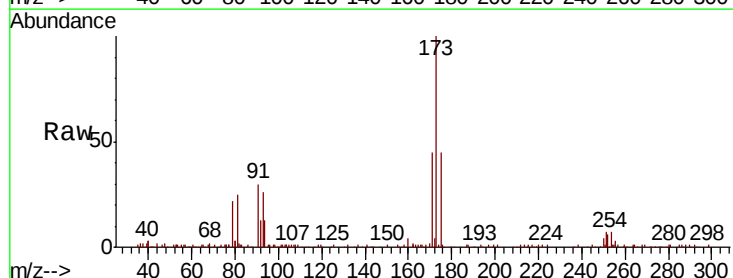
Tgt Ion:173 Resp: 31596

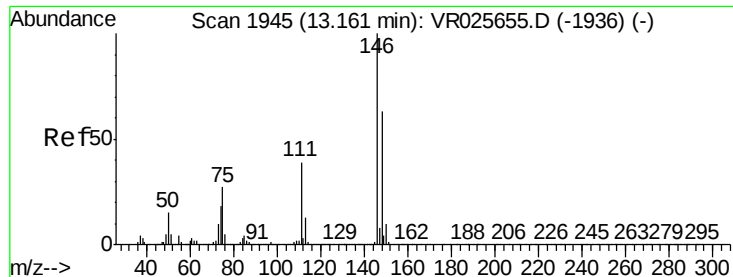
Ion Ratio Lower Upper

173 100

175 50.2 40.4 60.6

254 10.2 9.5 14.3





#62

1,3-Dichlorobenzene

Concen: 4.79 ug/L

RT: 13.16 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VR025666.D

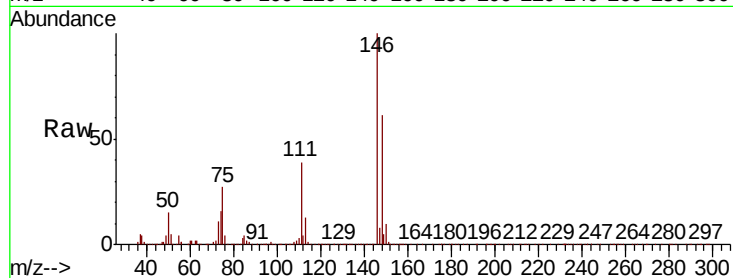
Acq: 5 Sep 2018 12:04

Instrument :

MSVOA_R

ClientSampled :

Tot Ion:	146	Resp:	249650
Ion	Ratio	Lower	Upper
146	100		
111	38.6	24.8	46.1
148	61.0	43.5	80.7

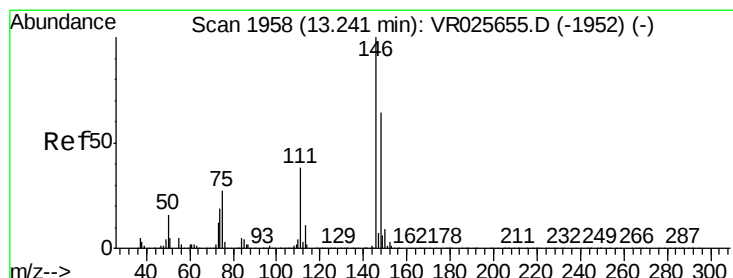
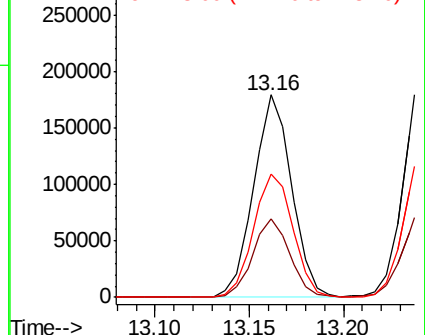
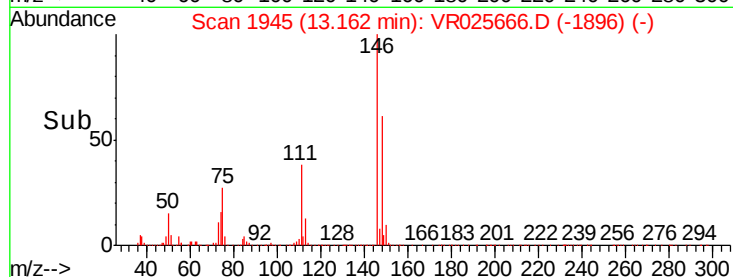


Abundance

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: 5.00 ug/L

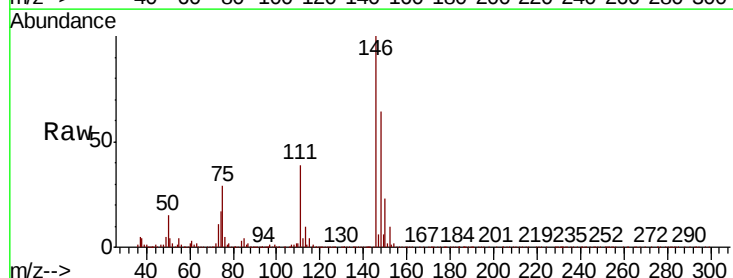
RT: 13.24 min Scan# 1958

Delta R.T. 0.00 min

Lab File: VR025666.D

Acq: 5 Sep 2018 12:04

Tgt Ion:	146	Resp:	289306
Ion	Ratio	Lower	Upper
146	100		
111	38.8	26.7	49.5
148	64.2	44.4	82.5

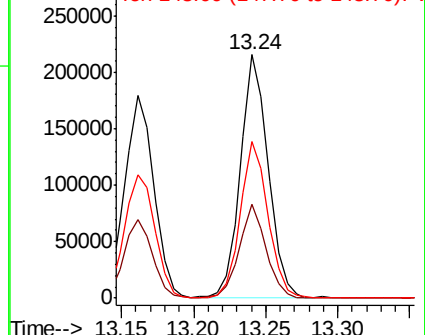
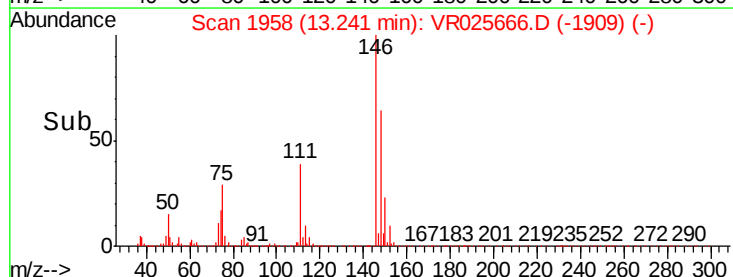


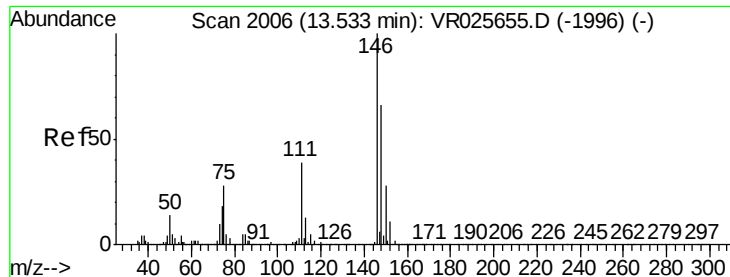
Abundance

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

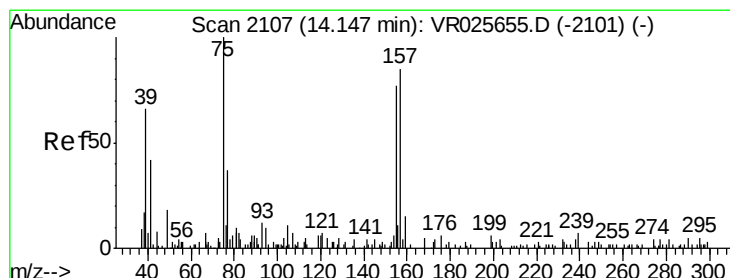
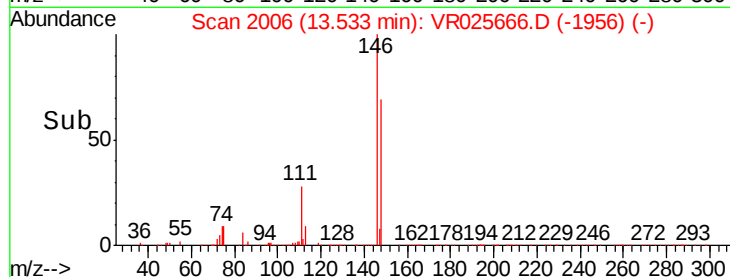
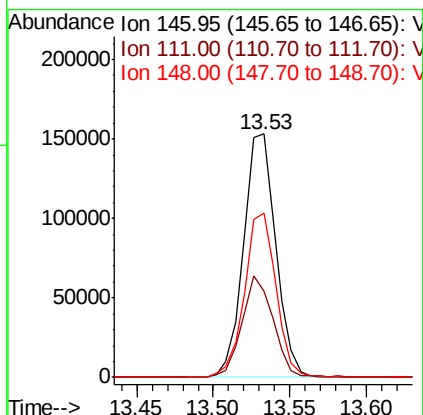
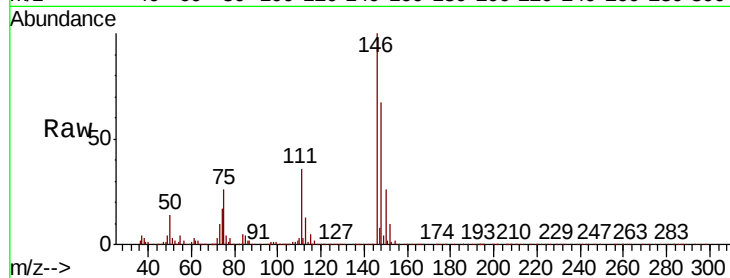




#65
 1,2-Dichlorobenzene
 Concen: 5.00 ug/L
 RT: 13.53 min Scan# 2006
 Delta R.T. 0.01 min
 Lab File: VR025666.D
 Acq: 5 Sep 2018 12:04

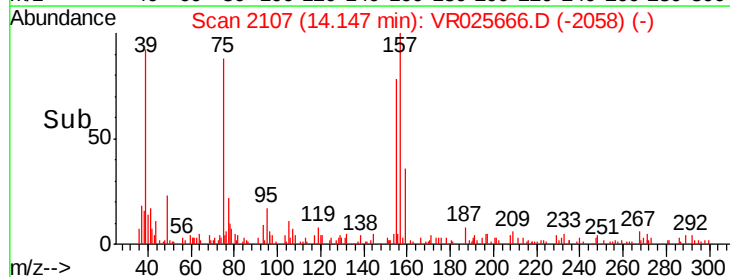
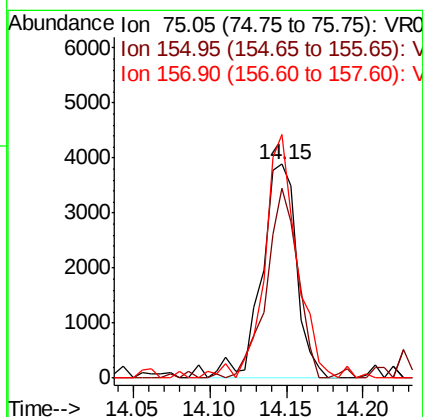
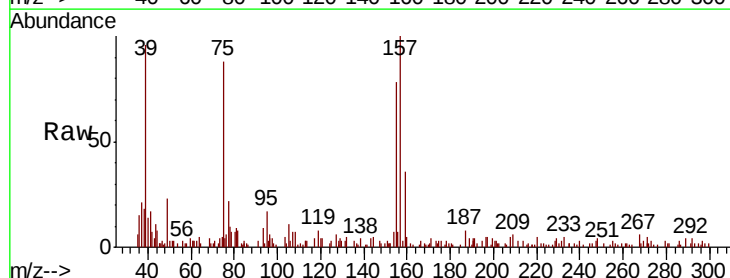
Instrument :
 MSVOA_R
 ClientSampleId :

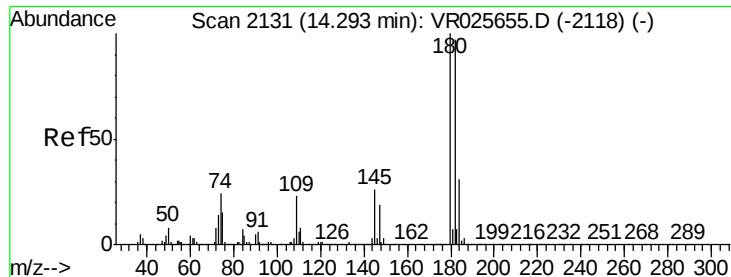
Tot Ion	Ratio	Lower	Upper
146	100		
111	35.6	31.6	47.4
148	67.3	48.7	73.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.16 ug/L
 RT: 14.15 min Scan# 2107
 Delta R.T. 0.00 min
 Lab File: VR025666.D
 Acq: 5 Sep 2018 12:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.2	55.2	82.8
157	114.0	89.4	134.2

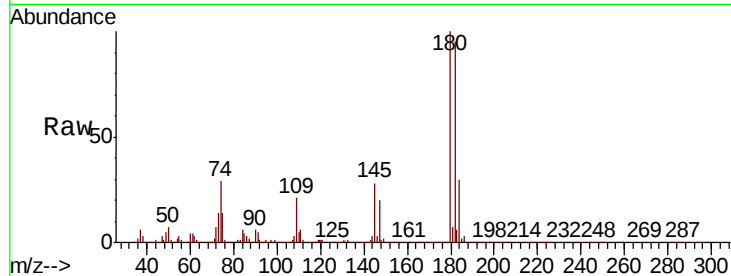




#67
 1,3,5-Trichlorobenzene
 Concen: 5.62 ug/L
 RT: 14.29 min Scan# 2131
 Delta R.T. 0.00 min
 Lab File: VR025666.D
 Acq: 5 Sep 2018 12:04

Instrument :
 MSVOA_R
 ClientSampleId :

Tot Ion:	180	Resp:	165544
Ion	Ratio	Lower	Upper
180	100		
182	92.1	74.4	111.6
184	28.7	25.1	37.7
145	28.1	24.2	36.4



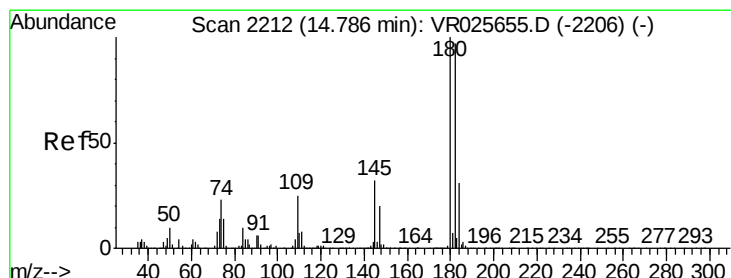
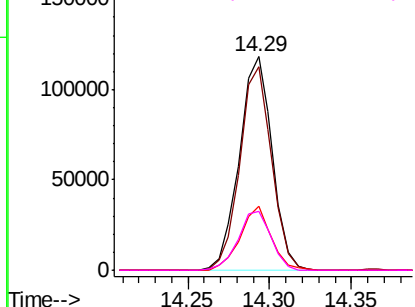
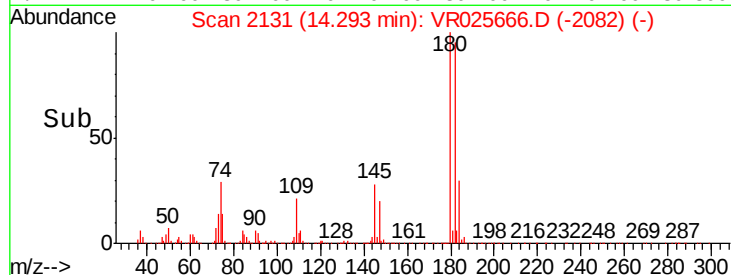
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

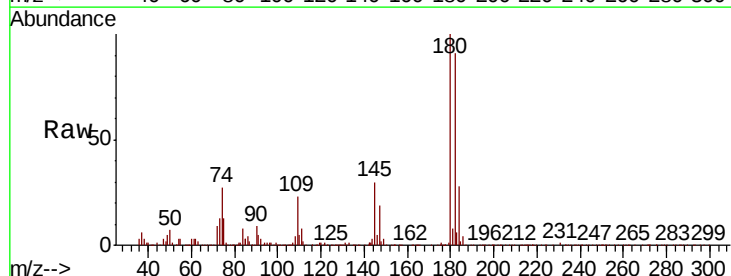
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.25 ug/L
 RT: 14.79 min Scan# 2212
 Delta R.T. 0.00 min
 Lab File: VR025666.D
 Acq: 5 Sep 2018 12:04

Tgt Ion:	180	Resp:	96007
Ion	Ratio	Lower	Upper
180	100		
182	98.2	75.0	112.6
145	30.2	25.4	38.0

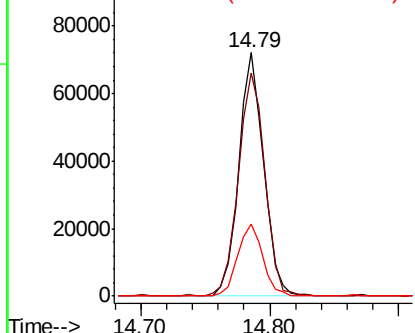
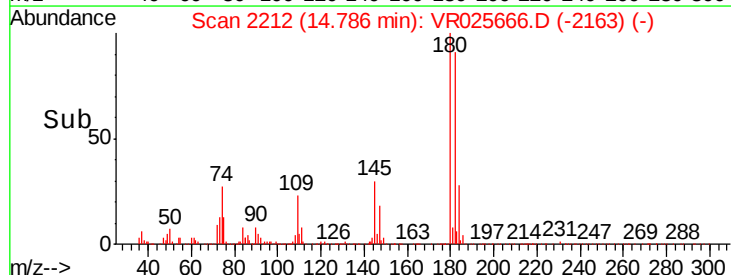


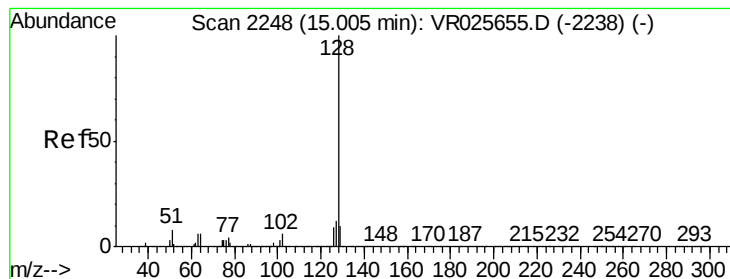
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.77 ug/L

RT: 15.00 min Scan# 2247

Delta R.T. -0.01 min

Lab File: VR025666.D

Acq: 5 Sep 2018 12:04

Instrument :

MSVOA_R

ClientSampleId :

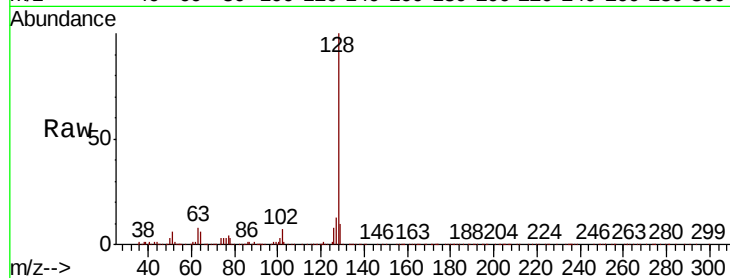
Tot Ion:128 Resp: 107664

Ion Ratio Lower Upper

128 100

127 12.7 10.0 15.0

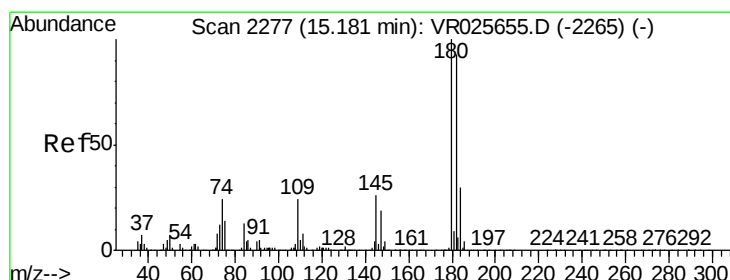
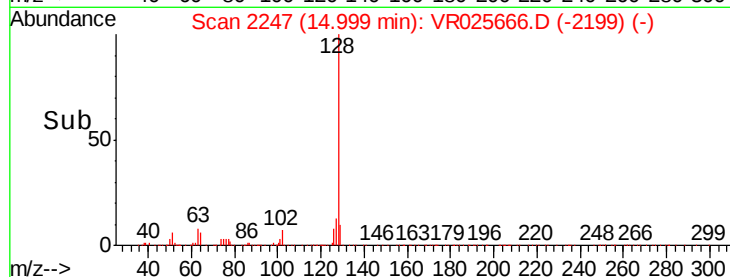
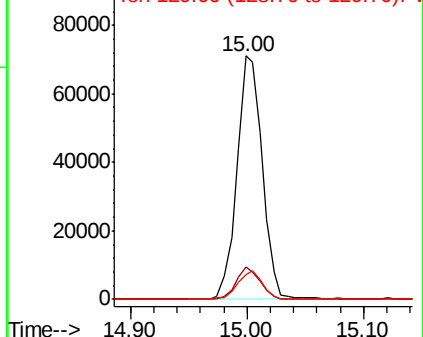
129 11.4 8.9 13.3



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: 5.54 ug/L

RT: 15.18 min Scan# 2277

Delta R.T. 0.01 min

Lab File: VR025666.D

Acq: 5 Sep 2018 12:04

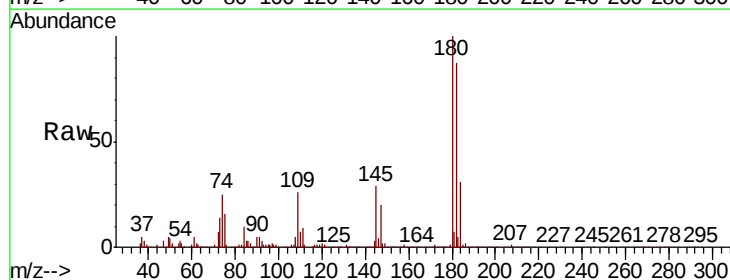
Tgt Ion:180 Resp: 78771

Ion Ratio Lower Upper

180 100

182 101.0 74.4 111.6

145 32.2 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

