

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR082918\
 Data File : VR025655.D
 Acq On : 29 Aug 2018 13:13
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00587

Quant Time: Aug 30 06:40:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR082118WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 29 06:51:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	503798	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	432724	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	175318	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	160089	4.88	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.60%
7) Chloroethane-d5	2.62	69	135016	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.40%
11) 1,1-Dichloroethene-d2	3.63	63	390611	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.40%
20) 2-Butanone-d5	6.60	46	161393	64.59	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	129.18%
24) Chloroform-d	7.21	84	302030	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
26) 1,2-Dichloroethane-d4	7.89	65	105173	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.00%
32) Benzene-d6	7.86	84	747069	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.60%
36) 1,2-Dichloropropane-d6	8.90	67	202069	5.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.00%
41) Toluene-d8	9.97	98	718408	5.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.20%
43) trans-1,3-Dichloropropene-	10.24	79	45683	5.37	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	107.40%
46) 2-Hexanone-d5	10.59	63	181027	65.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	130.02%#
57) 1,1,2,2-Tetrachloroethane-	12.36	84	86966	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.40%
64) 1,2-Dichlorobenzene-d4	13.51	152	149089	5.32	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	140479	5.034 ug/L	95
3) Chloromethane	2.01	50	185631	4.495 ug/L	98
5) Vinyl chloride	2.17	62	184871	4.572 ug/L	95
6) Bromomethane	2.52	94	128672	4.677 ug/L	96
8) Chloroethane	2.66	64	111202	4.471 ug/L	96
9) Trichlorofluoromethane	2.94	101	90778	1.547 ug/L #	42
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	189797	5.308 ug/L	93
12) 1,1-Dichloroethene	3.65	96	181733	4.593 ug/L	82
13) Acetone	3.70	43	91962	59.073 ug/L	99
14) Carbon disulfide	3.97	76	417193	4.051 ug/L	98
15) Methyl Acetate	4.19	43	28481	4.839 ug/L #	82
16) Methylene chloride	4.40	84	152471	4.294 ug/L	85
17) Methyl tert-butyl Ether	4.90	73	205475	5.065 ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	200829	4.806 ug/L	97
19) 1,1-Dichloroethane	5.69	63	306851	4.751 ug/L	98
21) 2-Butanone	6.69	43	188082	61.309 ug/L	99
22) cis-1,2-Dichloroethene	6.68	96	192514	5.361 ug/L #	97

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Instrument :
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 ClientSampleId :
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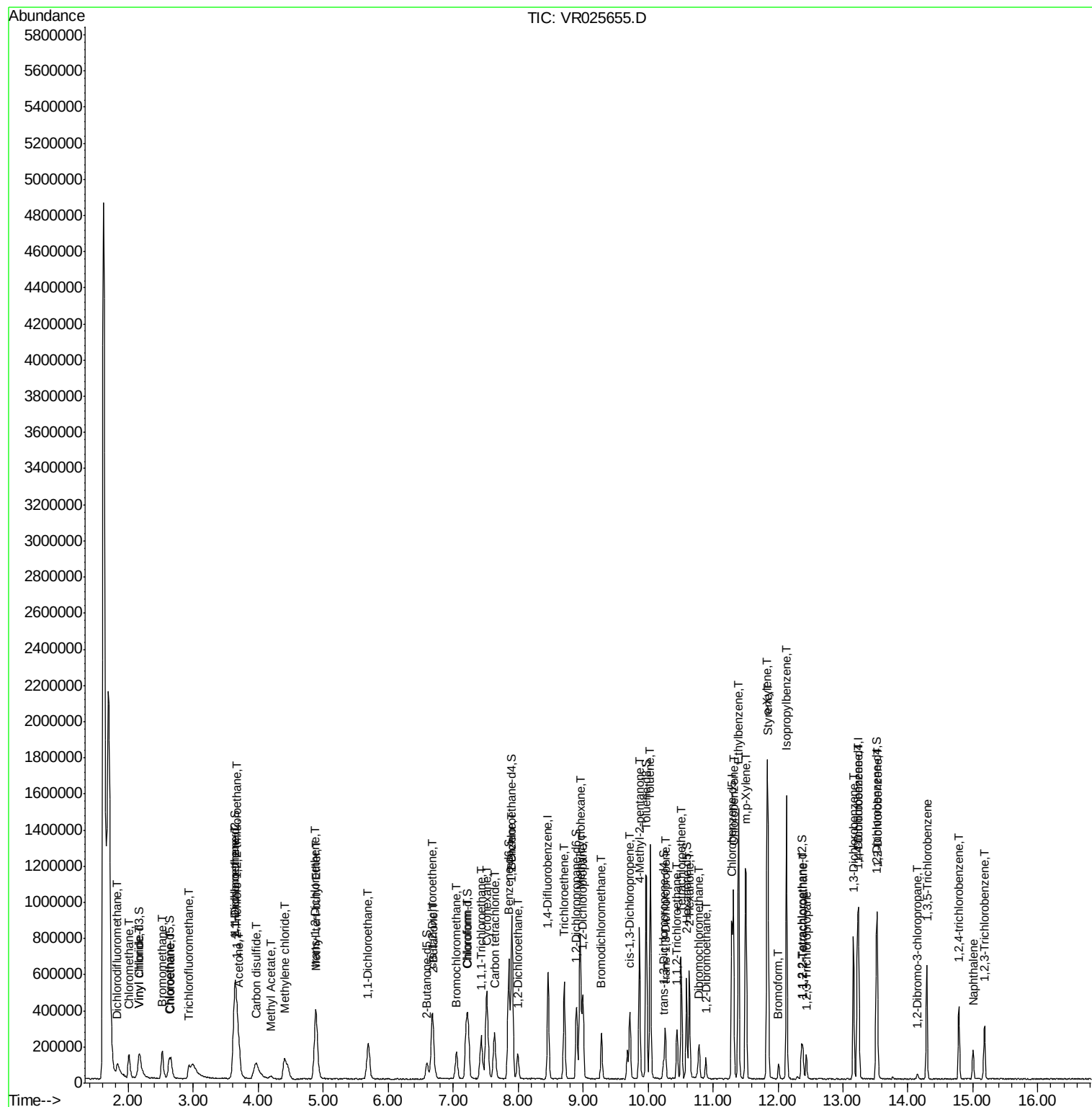
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	58963	5.357	ug/L	86
25) Chloroform	7.23	83	283825	5.059	ug/L	100
27) 1,2-Dichloroethane	8.00	62	112256	5.350	ug/L	96
29) 1,1,1-Trichloroethane	7.43	97	205116	4.872	ug/L	99
30) Cyclohexane	7.52	56	294933	5.445	ug/L	99
31) Carbon tetrachloride	7.64	117	206020	5.576	ug/L	100
33) Benzene	7.91	78	819916	5.188	ug/L	100
34) Trichloroethene	8.71	95	180838	4.996	ug/L	97
35) Methylcyclohexane	8.96	83	348895	5.925	ug/L	100
37) 1,2-Dichloropropane	8.99	63	180227	5.195	ug/L #	97
38) Bromodichloromethane	9.28	83	161883	5.347	ug/L	94
39) cis-1,3-Dichloropropene	9.72	75	201168	5.658	ug/L	95
40) 4-Methyl-2-pentanone	9.86	43	518274	61.676	ug/L	100
42) Toluene	10.03	91	865383	5.581	ug/L	98
44) trans-1,3-Dichloropropene	10.27	75	138006	5.500	ug/L	98
45) 1,1,2-Trichloroethane	10.44	97	83335	5.445	ug/L	95
47) Tetrachloroethene	10.52	164	151859	5.486	ug/L	94
48) 2-Hexanone	10.64	43	356998	60.945	ug/L	98
49) Dibromochloromethane	10.78	129	91290	5.535	ug/L	98
50) 1,2-Dibromoethane	10.89	107	67786	5.590	ug/L #	87
51) Chlorobenzene	11.31	112	512099	5.305	ug/L	98
52) Ethylbenzene	11.39	91	946650	5.718	ug/L	97
53) m,p-Xylene	11.50	106	380749	5.742	ug/L	98
54) o-Xylene	11.83	106	342927	5.805	ug/L	100
55) Styrene	11.85	104	557166	5.838	ug/L	100
56) Isopropylbenzene	12.13	105	900522	6.013	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.38	83	82636	5.224	ug/L #	94
59) 1,2,3-Trichloropropane	12.44	75	54928	5.107	ug/L	94
61) Bromoform	12.01	173	35455	5.033	ug/L #	95
62) 1,3-Dichlorobenzene	13.16	146	288625	5.326	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	320677	5.326	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	250314	5.364	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.15	75	6298	4.985	ug/L #	81
67) 1,3,5-Trichlorobenzene	14.29	180	183149	5.980	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	107651	5.664	ug/L	100
69) Naphthalene	15.00	128	119932	5.110	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	88349	5.979	ug/L	99

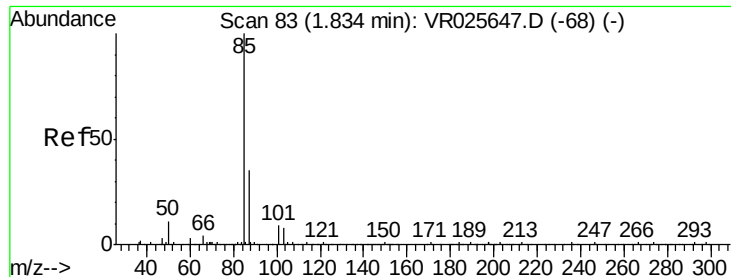
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00587

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#2

Dichlorodifluoromethane

Concen: 5.034 ug/L

RT: 1.83 min Scan# 83

Delta R.T. 0.00 min

Lab File: VR025655.D

Acq: 29 Aug 2018 13:13

Instrument :

MSVOA_R

ClientSampleId :

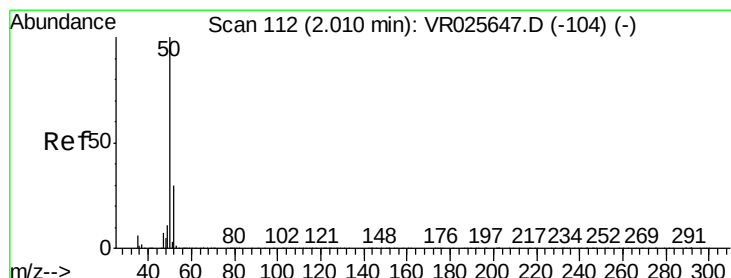
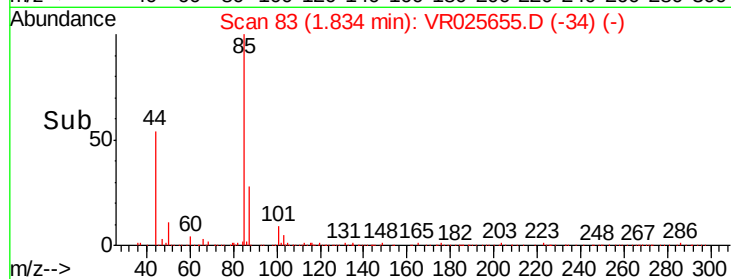
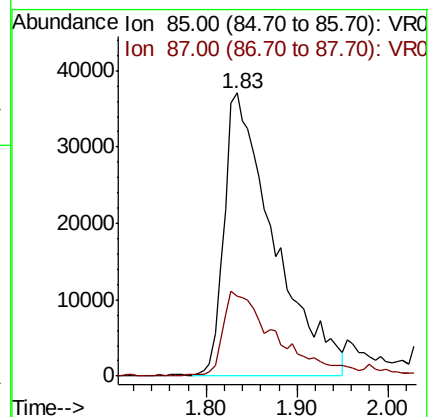
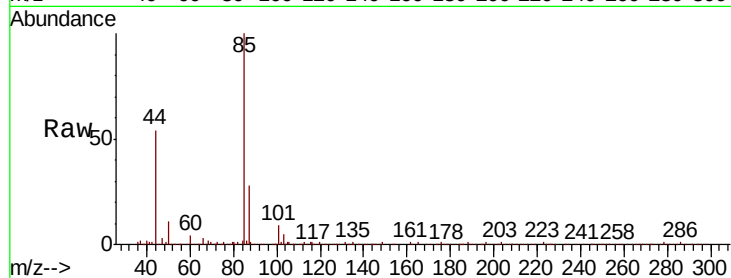
VSTD00587

Tgt Ion: 85 Resp: 140479

Ion Ratio Lower Upper

85 100

87 32.1 23.5 35.3



#3

Chloromethane

Concen: 4.495 ug/L

RT: 2.01 min Scan# 112

Delta R.T. 0.00 min

Lab File: VR025655.D

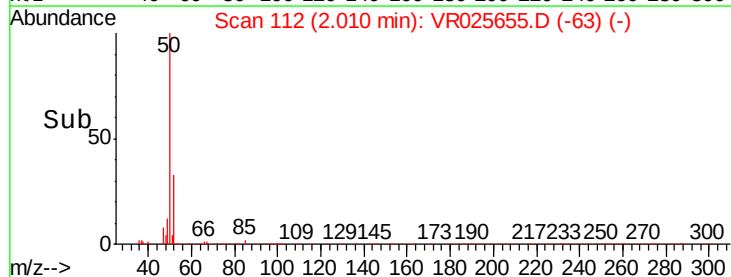
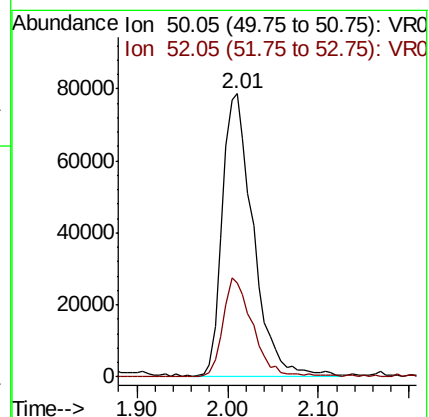
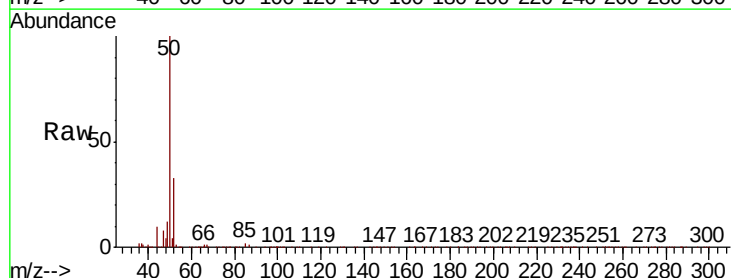
Acq: 29 Aug 2018 13:13

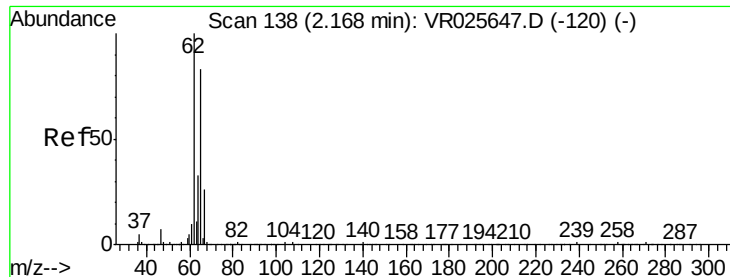
Tgt Ion: 50 Resp: 185631

Ion Ratio Lower Upper

50 100

52 33.4 24.2 45.0





#5

Vinyl chloride

Concen: 4.572 ug/L

RT: 2.17 min Scan# 138

Delta R.T. 0.00 min

Lab File: VR025655.D

Acq: 29 Aug 2018 13:13

Instrument :

MSVOA_R

ClientSampleId :

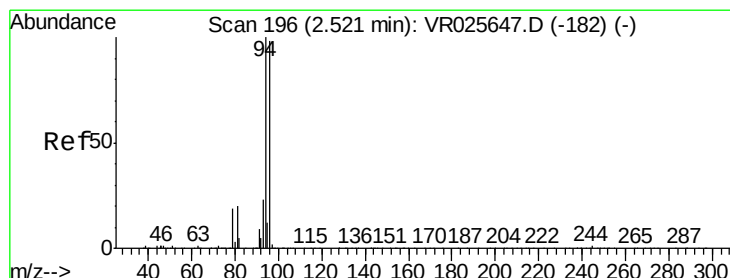
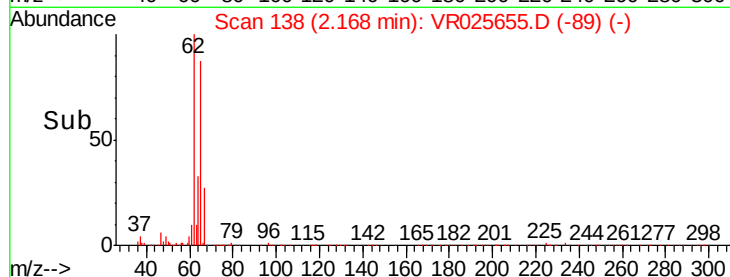
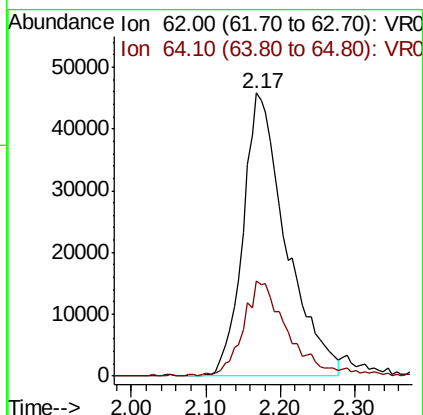
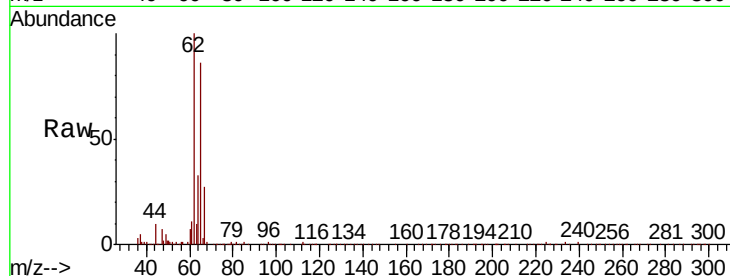
VSTD00587

Tgt Ion: 62 Resp: 184871

Ion Ratio Lower Upper

62 100

64 33.4 25.6 47.4



#6

Bromomethane

Concen: 4.677 ug/L

RT: 2.52 min Scan# 196

Delta R.T. 0.00 min

Lab File: VR025655.D

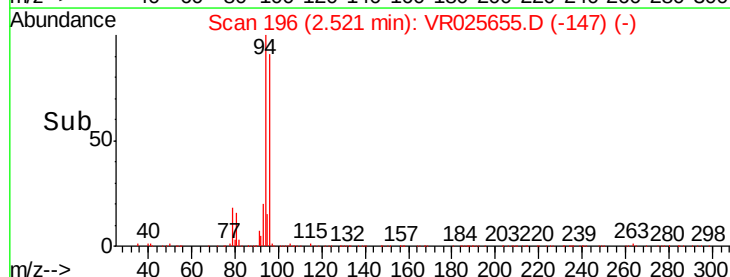
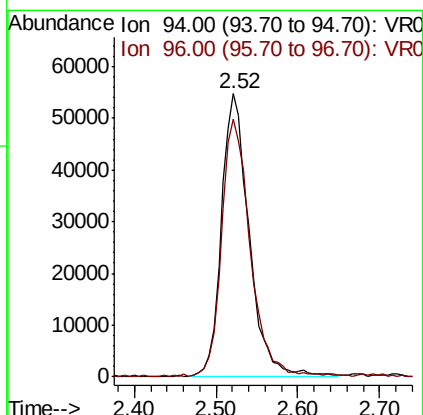
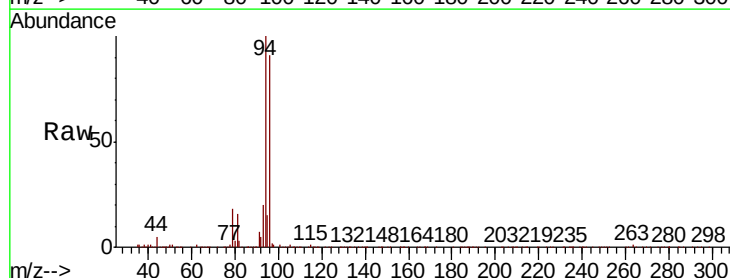
Acq: 29 Aug 2018 13:13

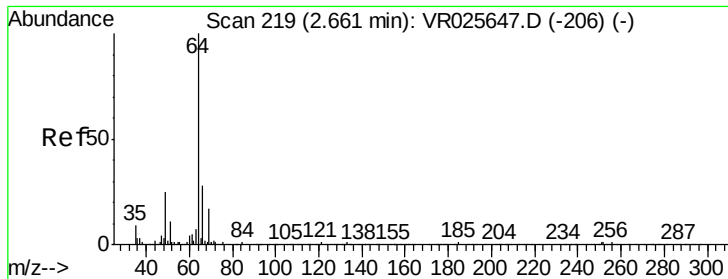
Tgt Ion: 94 Resp: 128672

Ion Ratio Lower Upper

94 100

96 90.9 60.8 112.8





#8

Chloroethane

Concen: 4.471 ug/L

RT: 2.66 min Scan# 218

Delta R.T. -0.01 min

Lab File: VR025655.D

Acq: 29 Aug 2018 13:13

Instrument :

MSVOA_R

ClientSampleId :

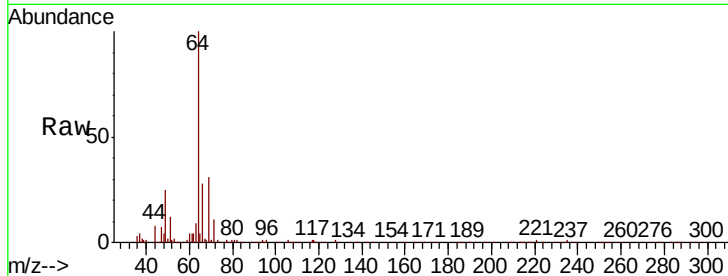
VSTD00587

Tgt Ion: 64 Resp: 111202

Ion Ratio Lower Upper

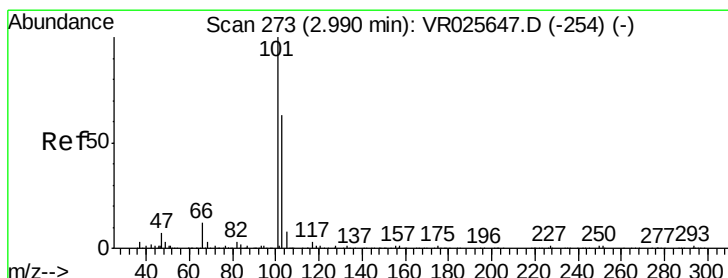
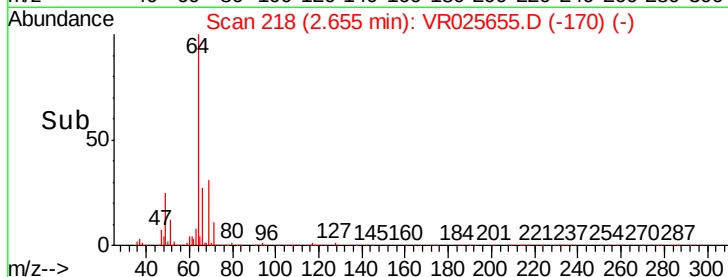
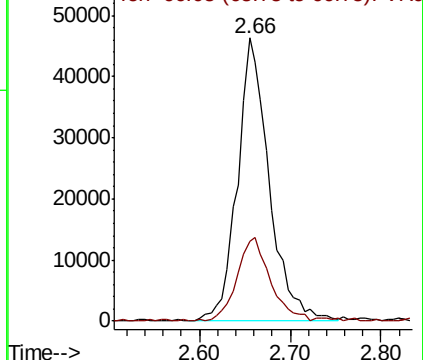
64 100

66 28.0 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: 1.547 ug/L

RT: 2.94 min Scan# 264

Delta R.T. -0.05 min

Lab File: VR025655.D

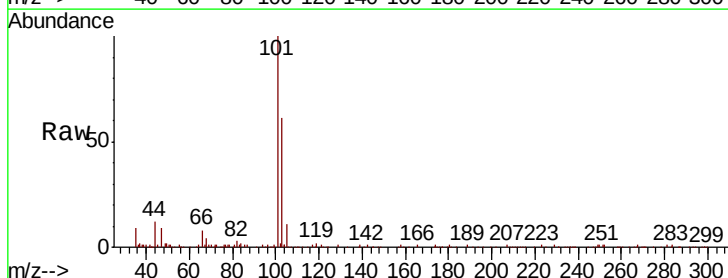
Acq: 29 Aug 2018 13:13

Tgt Ion: 101 Resp: 90778

Ion Ratio Lower Upper

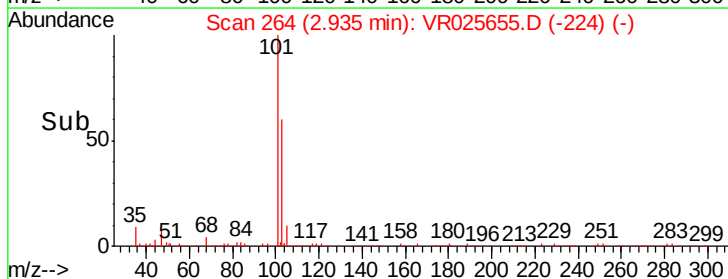
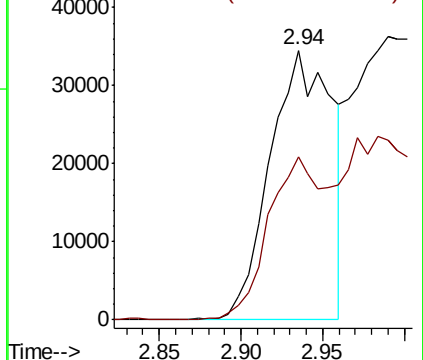
101 100

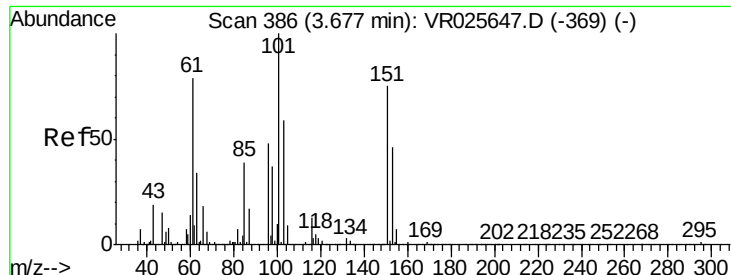
103 47.6 16.4 24.6#



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: 5.308 ug/L

RT: 3.68 min Scan# 386

Delta R.T. 0.00 min

Lab File: VR025655.D

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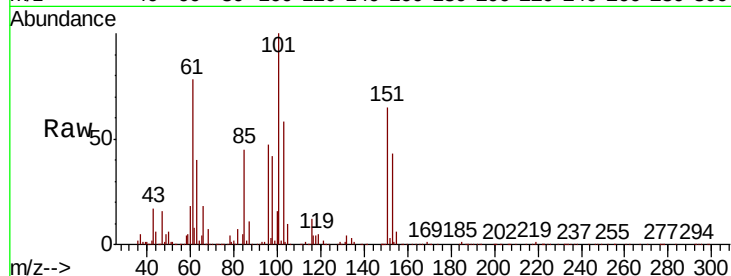
Tgt Ion: 101 Resp: 189797

Ion Ratio Lower Upper

101 100

85 49.4 35.6 53.4

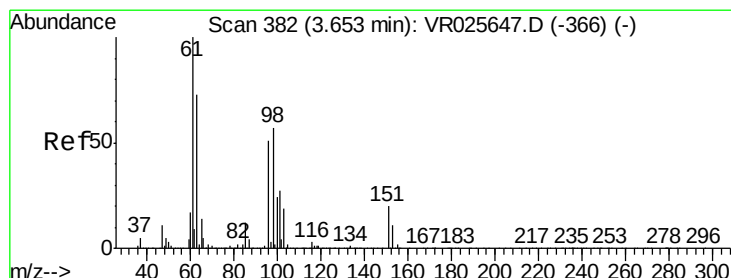
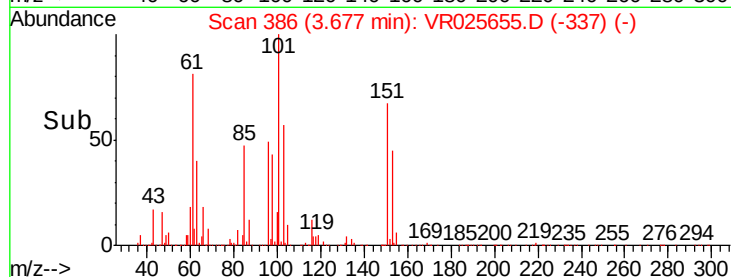
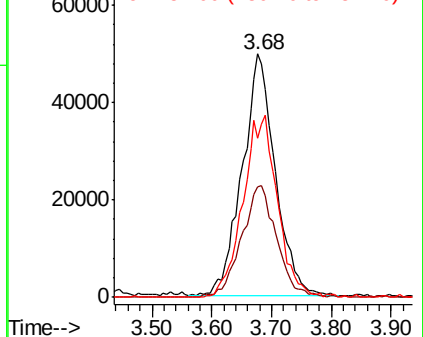
151 78.9 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.593 ug/L

RT: 3.65 min Scan# 382

Delta R.T. 0.00 min

Lab File: VR025655.D

Acq: 29 Aug 2018 13:13

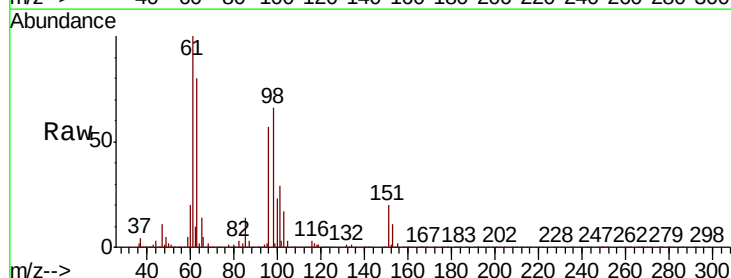
Tgt Ion: 96 Resp: 181733

Ion Ratio Lower Upper

96 100

61 176.9 119.8 222.6

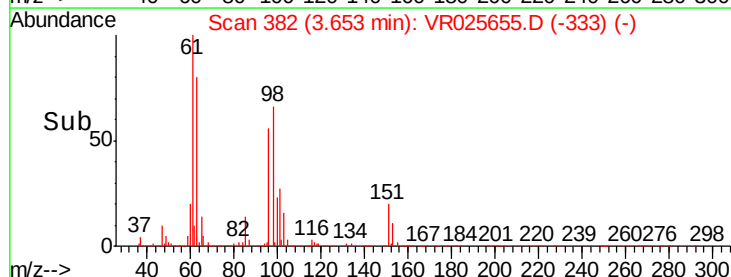
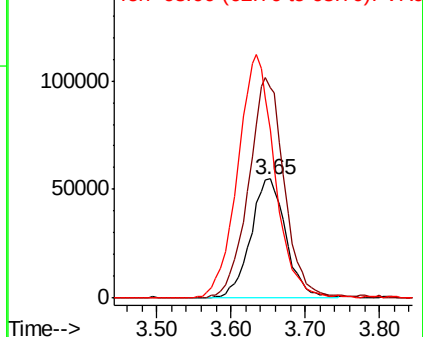
63 141.7 131.1 243.5

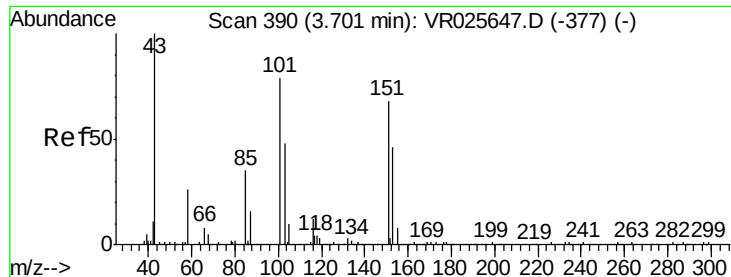


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 59.073 ug/L

RT: 3.70 min Scan# 390

Delta R.T. 0.00 min

Lab File: VR025655.D

Acq: 29 Aug 2018 13:13

Instrument :

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ClientSampleId :

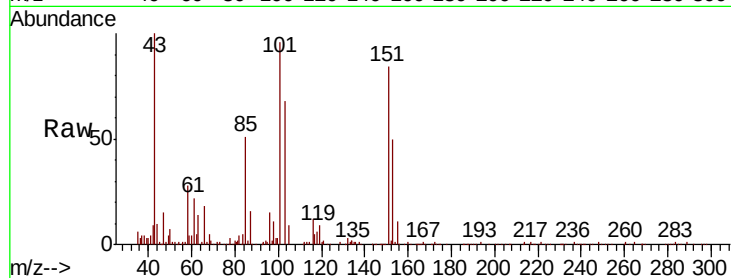
VSTD00587

Tgt Ion: 43 Resp: 91962

Ion Ratio Lower Upper

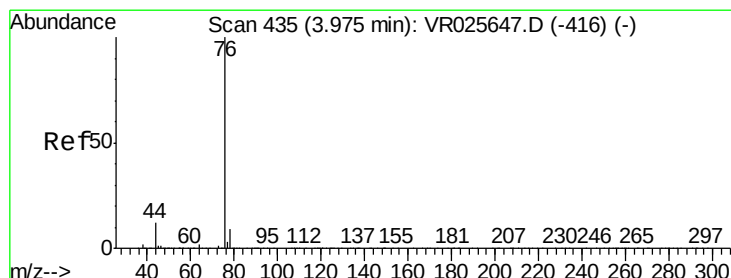
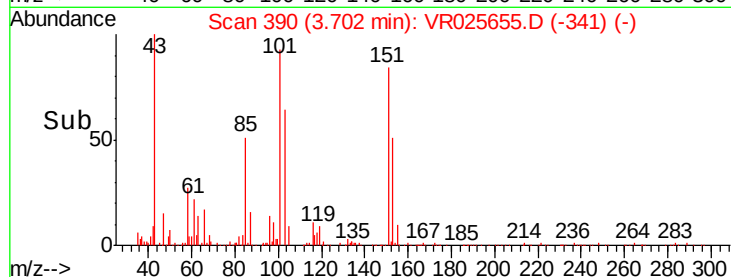
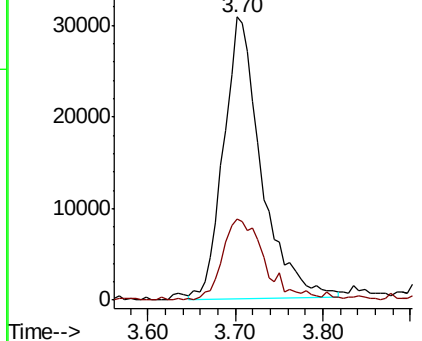
43 100

58 32.2 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: 4.051 ug/L

RT: 3.97 min Scan# 434

Delta R.T. -0.01 min

Lab File: VR025655.D

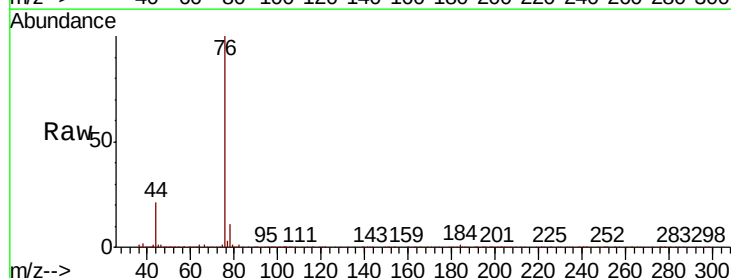
Acq: 29 Aug 2018 13:13

Tgt Ion: 76 Resp: 417193

Ion Ratio Lower Upper

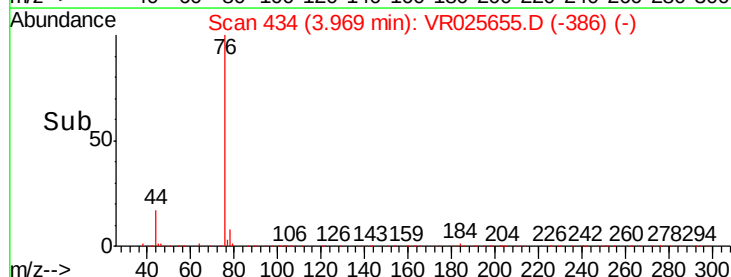
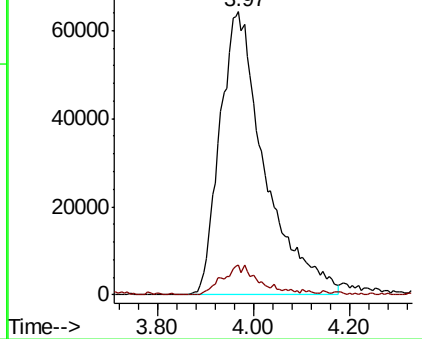
76 100

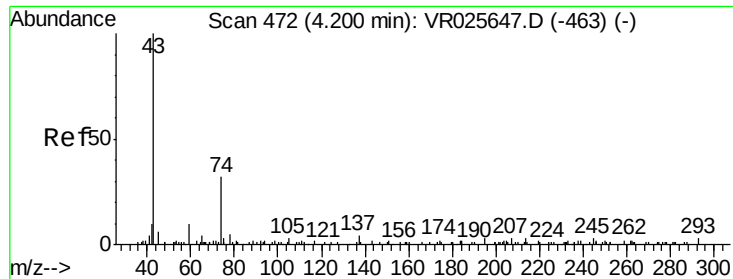
78 10.7 8.1 12.1



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

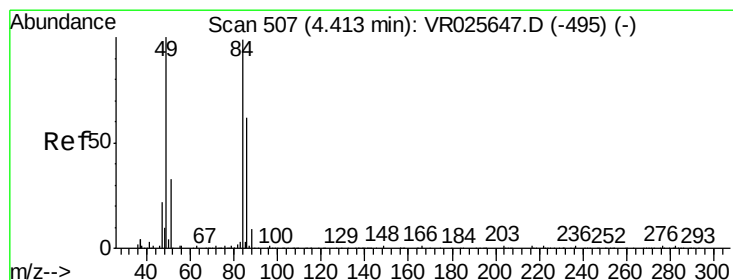
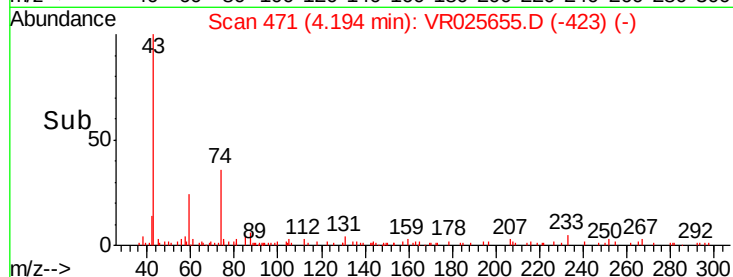
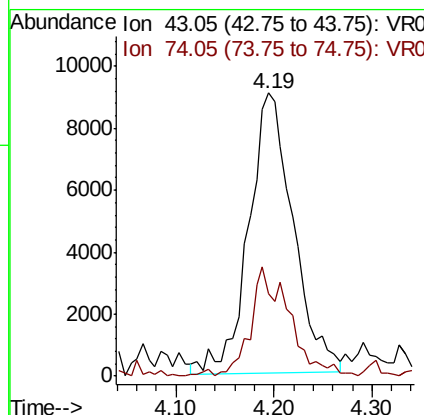
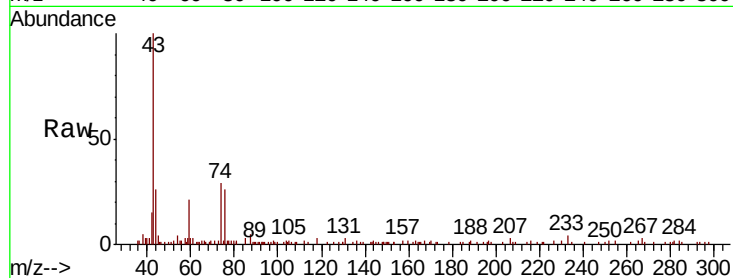




#15
Methyl Acetate
Concen: 4.839 ug/L
RT: 4.19 min Scan# 471
Delta R.T. -0.01 min
Lab File: VR025655.D
Acq: 29 Aug 2018 13:13

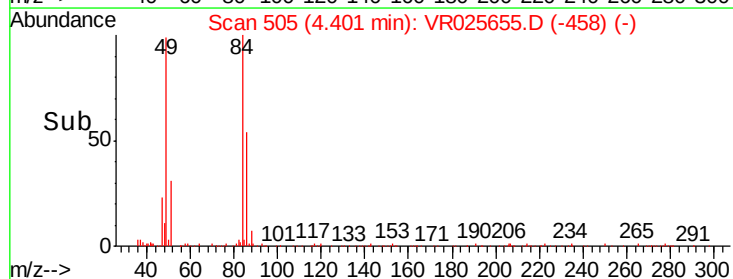
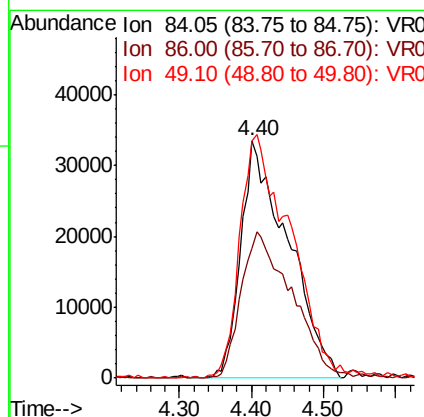
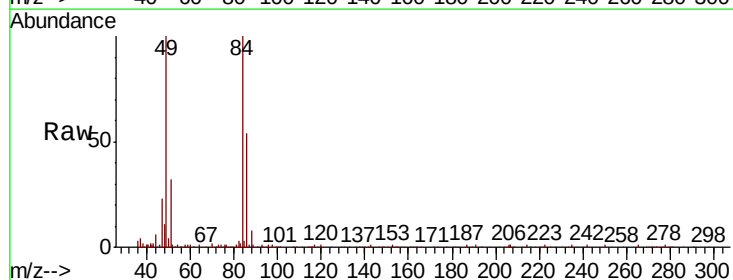
Instrument :
MSVOA_R
ClientSampleId :
VSTD00587

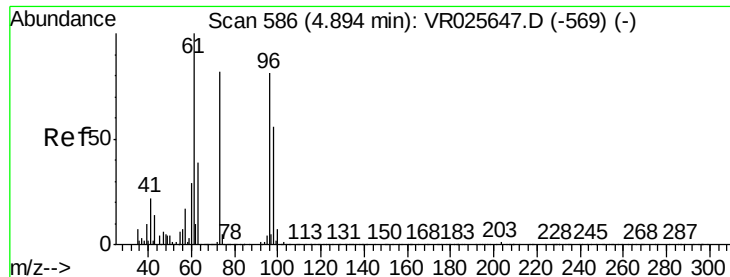
Tgt Ion: 43 Resp: 28481
Ion Ratio Lower Upper
43 100
74 33.7 19.8 29.6#



#16
Methylene chloride
Concen: 4.294 ug/L
RT: 4.40 min Scan# 505
Delta R.T. -0.01 min
Lab File: VR025655.D
Acq: 29 Aug 2018 13:13

Tgt Ion: 84 Resp: 152471
Ion Ratio Lower Upper
84 100
86 54.3 47.9 88.9
49 99.7 80.3 149.1



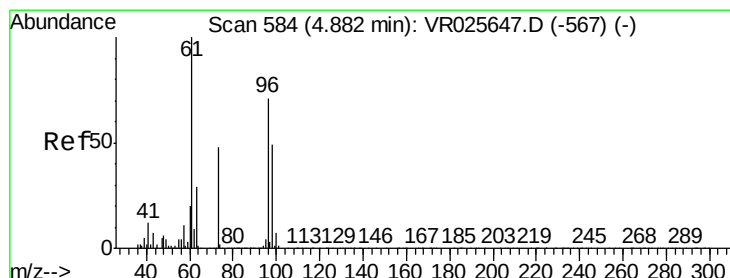
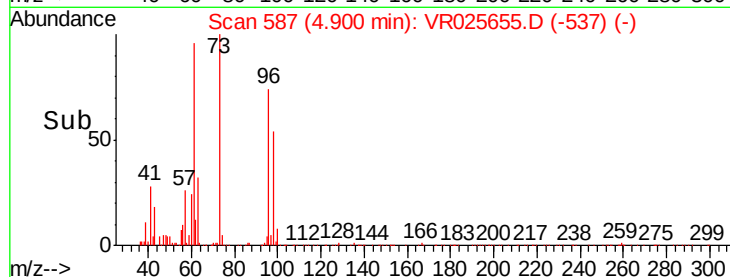
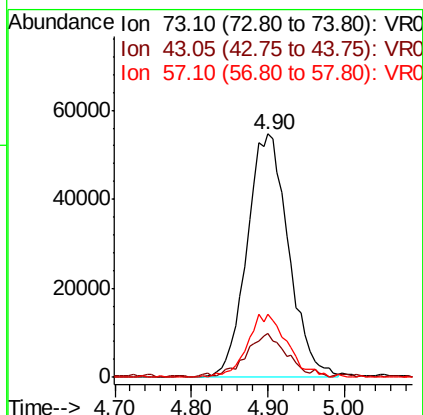
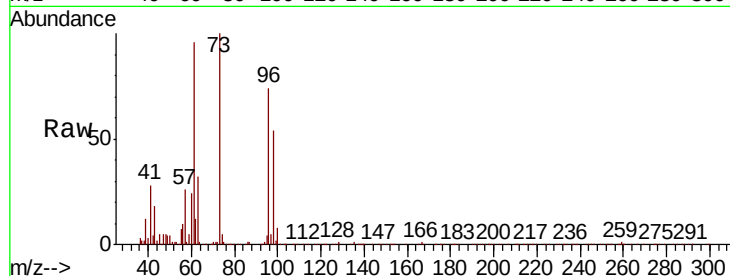


#17

Methyl tert-butyl Ether
 Concen: 5.065 ug/L
 RT: 4.90 min Scan# 587
 Delta R.T. 0.01 min
 Lab File: VR025655.D
 Acq: 29 Aug 2018 13:13

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00587

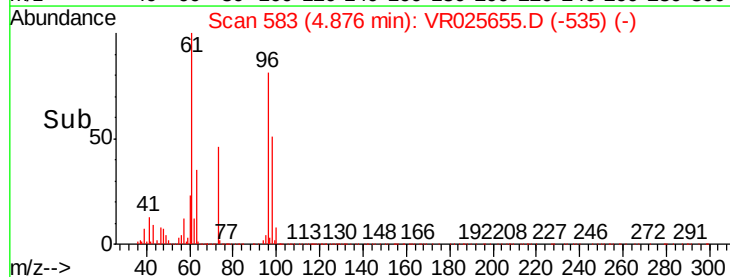
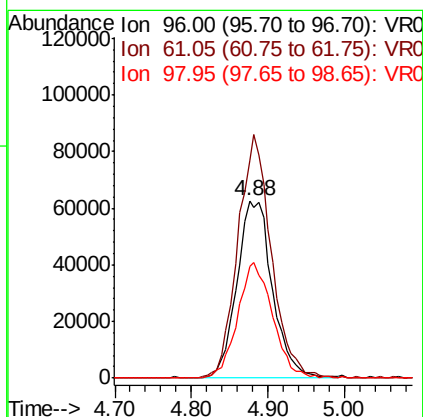
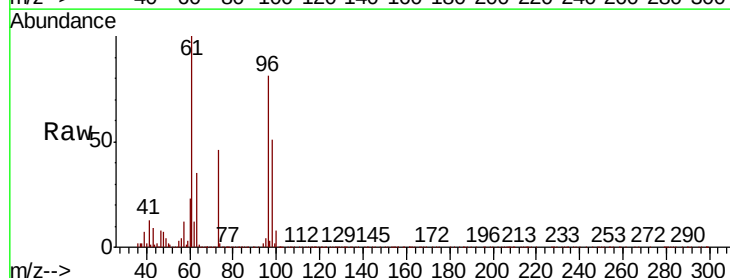
Tgt Ion:	73	Resp:	205475
Ion	Ratio	Lower	Upper
73	100		
43	16.4	14.8	22.2
57	25.1	19.9	29.9

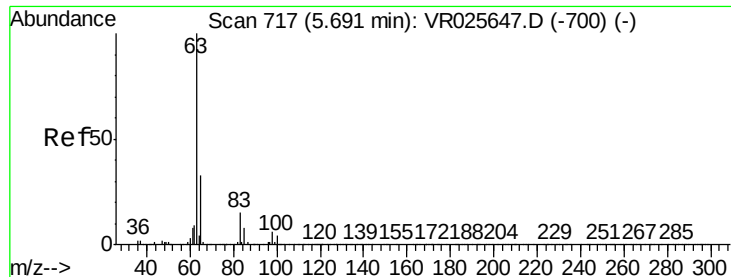


#18

trans-1,2-Dichloroethene
 Concen: 4.806 ug/L
 RT: 4.88 min Scan# 583
 Delta R.T. -0.01 min
 Lab File: VR025655.D
 Acq: 29 Aug 2018 13:13

Tgt Ion:	96	Resp:	200829
Ion	Ratio	Lower	Upper
96	100		
61	123.1	87.5	162.5
98	63.3	41.1	76.3





#19

1,1-Dichloroethane

Concen: 4.751 ug/L

RT: 5.69 min Scan# 717

Delta R.T. 0.00 min

Lab File: VR025655.D

Acq: 29 Aug 2018 13:13

Instrument :

MSVOA_R

ClientSampleId :

VSTD00587

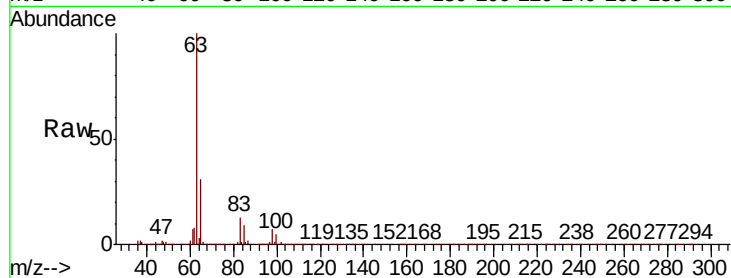
Tgt Ion: 63 Resp: 306851

Ion Ratio Lower Upper

63 100

65 31.0 22.9 42.5

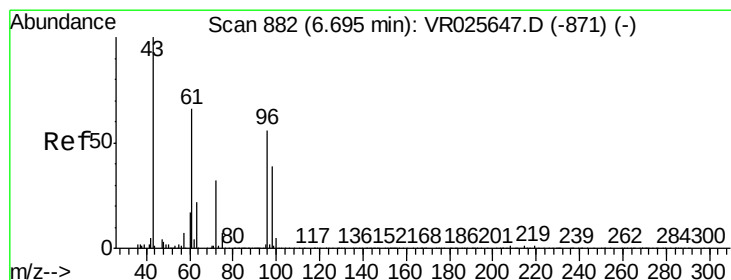
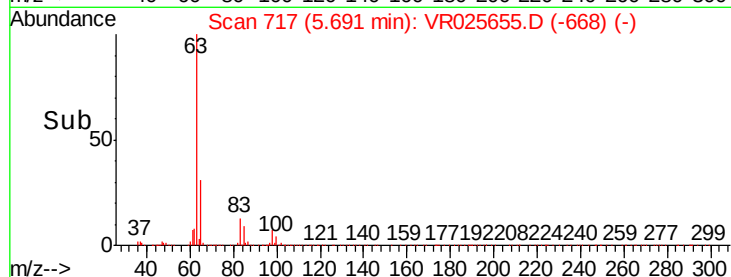
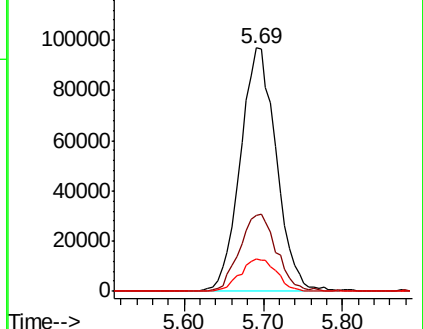
83 13.1 9.1 16.9



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 65.10 (64.80 to 65.80): VR0

Ion 83.05 (82.75 to 83.75): VR0



#21

2-Butanone

Concen: 61.309 ug/L

RT: 6.69 min Scan# 882

Delta R.T. 0.00 min

Lab File: VR025655.D

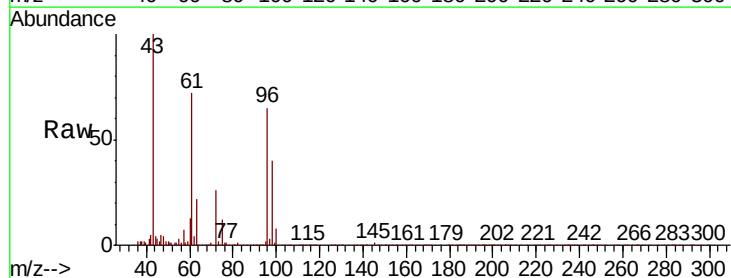
Acq: 29 Aug 2018 13:13

Tgt Ion: 43 Resp: 188082

Ion Ratio Lower Upper

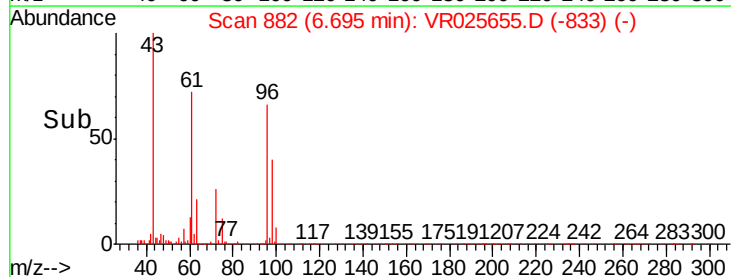
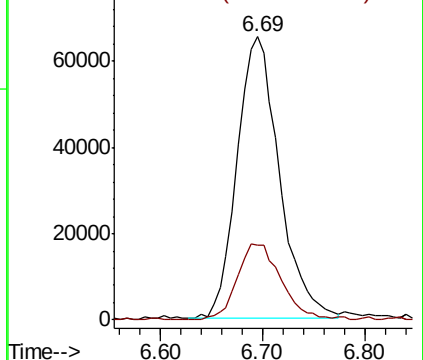
43 100

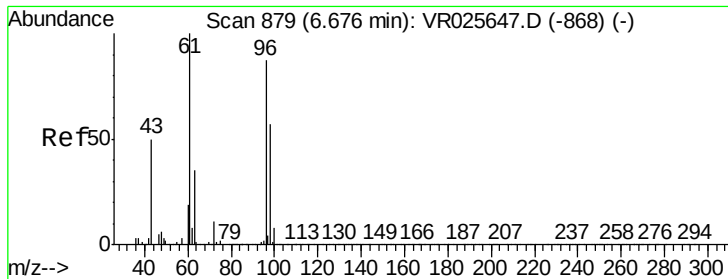
72 27.9 14.3 42.9



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 72.10 (71.80 to 72.80): VR0



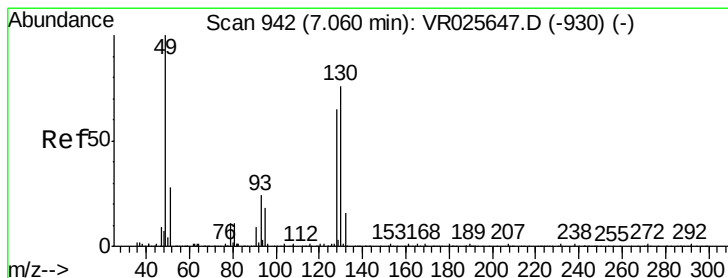
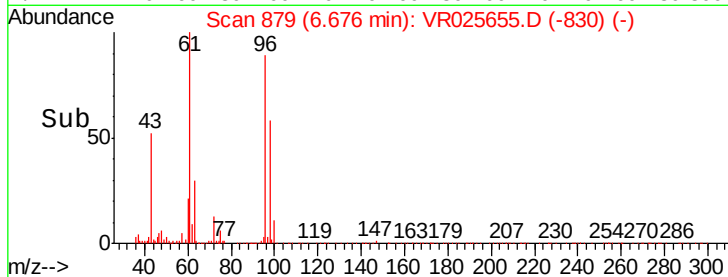
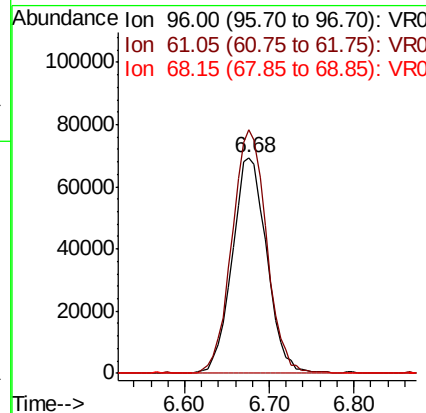
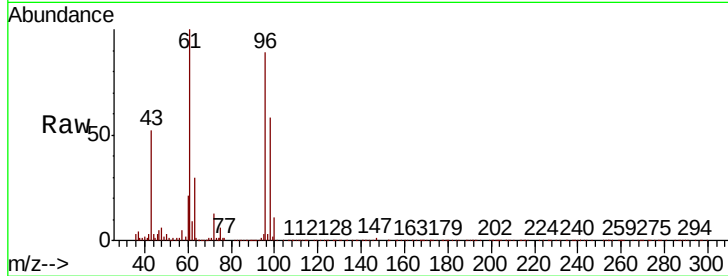


#22

cis-1,2-Dichloroethene
 Concen: 5.361 ug/L
 RT: 6.68 min Scan# 879
 Delta R.T. 0.00 min
 Lab File: VR025655.D
 Acq: 29 Aug 2018 13:13

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00587

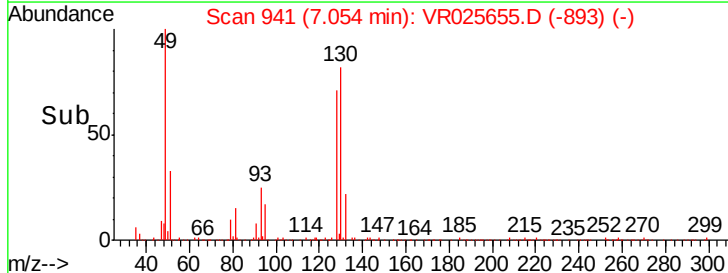
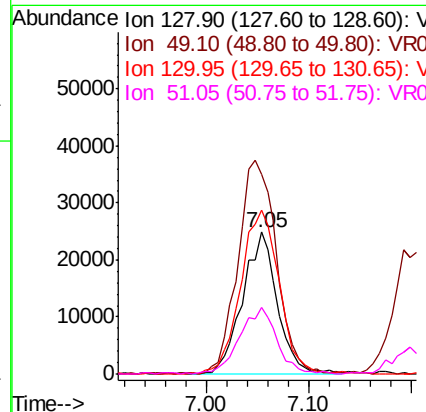
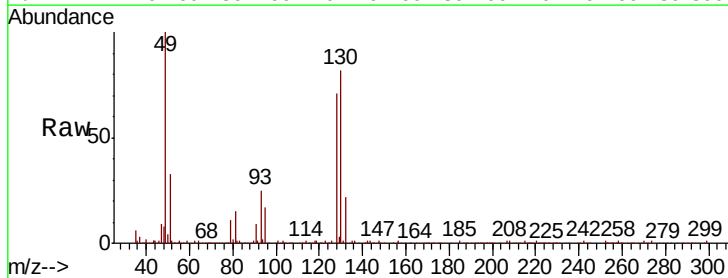
Tgt Ion: 96 Resp: 192514
 Ion Ratio Lower Upper
 96 100
 61 112.9 76.7 142.5
 68 0.3 0.1 0.3#

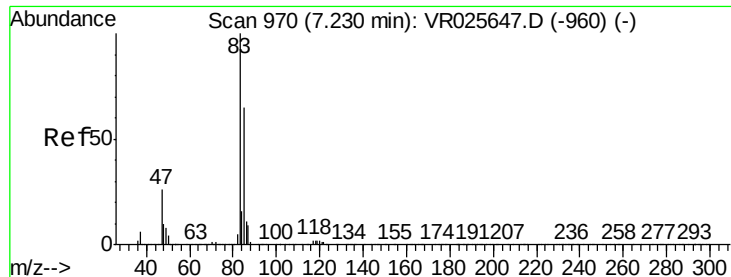


#23

Bromochloromethane
 Concen: 5.357 ug/L
 RT: 7.05 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: VR025655.D
 Acq: 29 Aug 2018 13:13

Tgt Ion: 128 Resp: 58963
 Ion Ratio Lower Upper
 128 100
 49 140.8 118.1 219.3
 130 116.0 87.6 162.6
 51 46.8 41.3 61.9





#25

Chloroform

Concen: 5.059 ug/L

RT: 7.23 min Scan# 970

Delta R.T. 0.00 min

Lab File: VR025655.D

Acq: 29 Aug 2018 13:13

Instrument :

MSVOA_R

ClientSampleId :

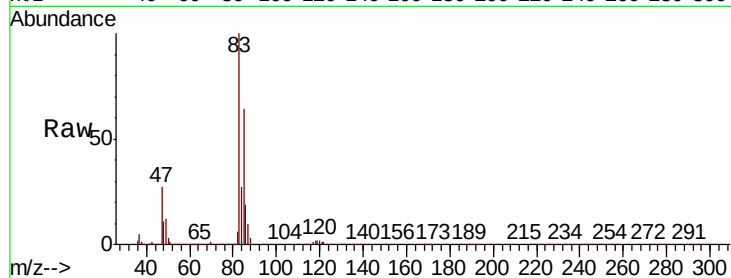
VSTD00587

Tgt Ion: 83 Resp: 283825

Ion Ratio Lower Upper

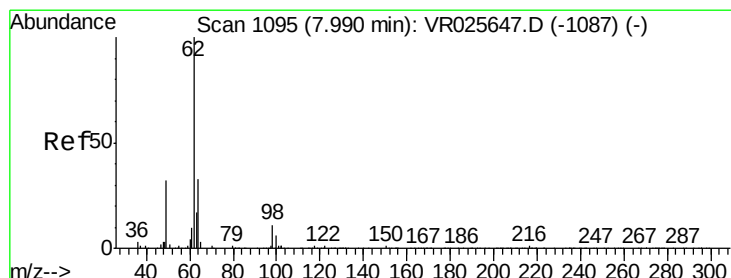
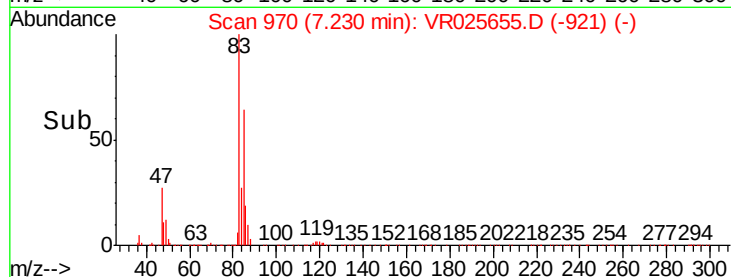
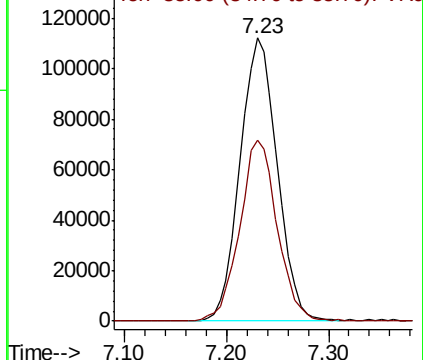
83 100

85 64.1 45.1 83.7



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0



#27

1,2-Dichloroethane

Concen: 5.350 ug/L

RT: 8.00 min Scan# 1096

Delta R.T. 0.01 min

Lab File: VR025655.D

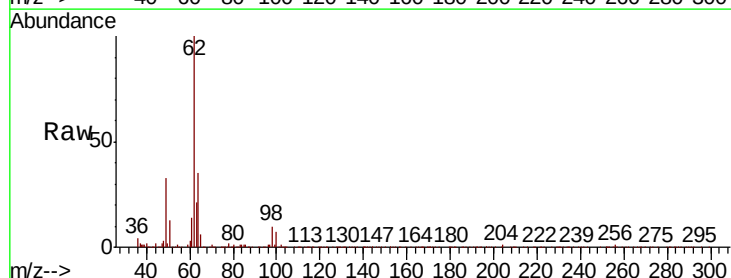
Acq: 29 Aug 2018 13:13

Tgt Ion: 62 Resp: 112256

Ion Ratio Lower Upper

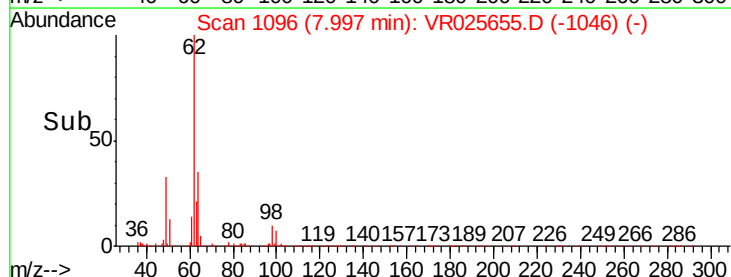
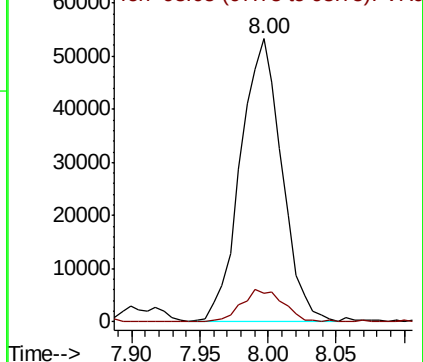
62 100

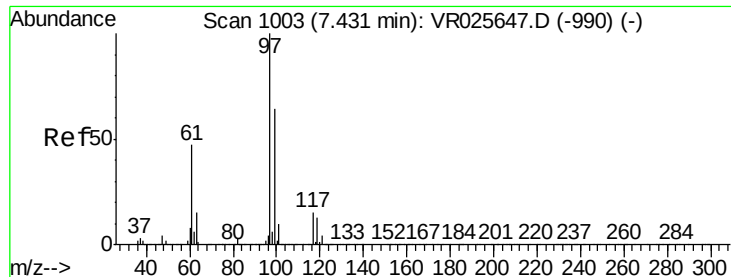
98 10.3 7.1 10.7



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0

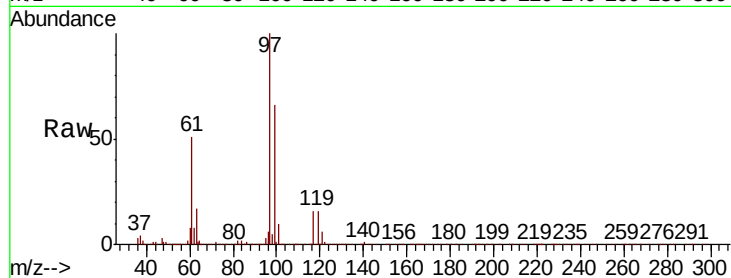




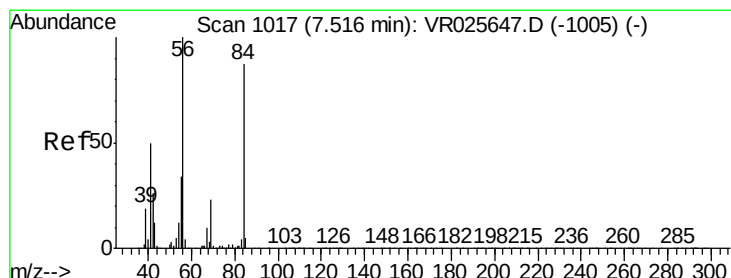
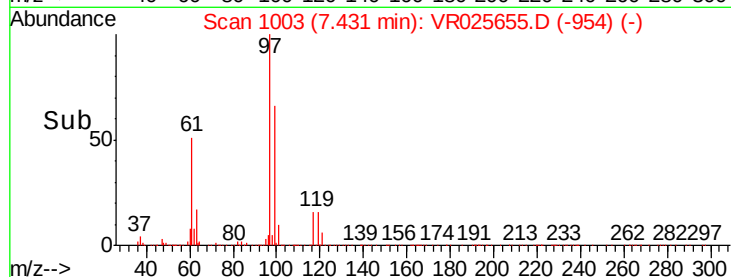
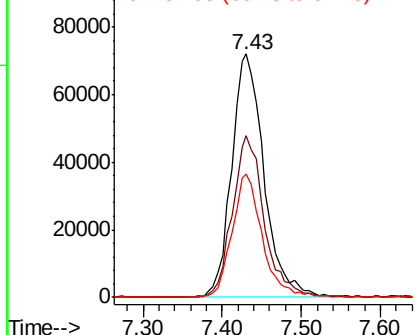
#29
 1,1,1-Trichloroethane
 Concen: 4.872 ug/L
 RT: 7.43 min Scan# 1003
 Delta R.T. 0.00 min
 Lab File: VR025655.D
 Acq: 29 Aug 2018 13:13

Instrument :
 MSVOA_R
 ClientSampleID :
 VSTD00587

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	52.6	79.0
61	47.9	39.6	59.4

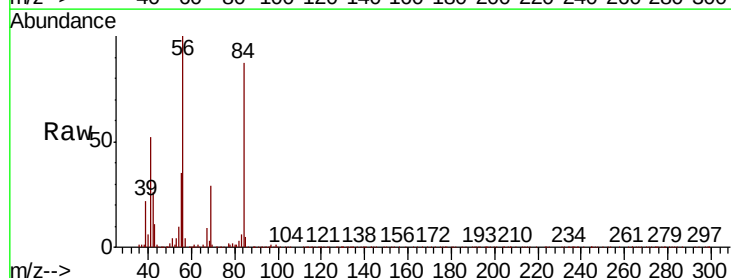


Abundance Ion 96.95 (96.65 to 97.65): VR0
 Ion 99.05 (98.75 to 99.75): VR0
 Ion 61.05 (60.75 to 61.75): VR0

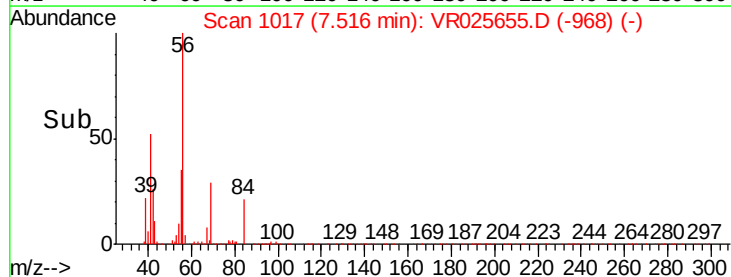
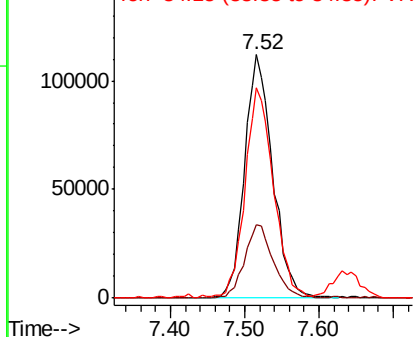


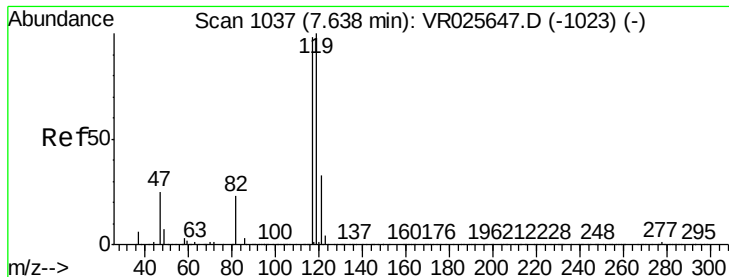
#30
 Cyclohexane
 Concen: 5.445 ug/L
 RT: 7.52 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: VR025655.D
 Acq: 29 Aug 2018 13:13

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.9	23.8	35.8
84	86.0	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: 5.576 ug/L

RT: 7.64 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VR025655.D

Acq: 29 Aug 2018 13:13

Instrument :

MSVOA_R

ClientSampleId :

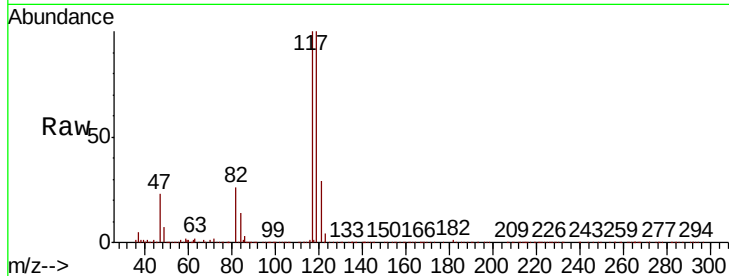
VSTD00587

Tgt Ion:117 Resp: 206020

Ion Ratio Lower Upper

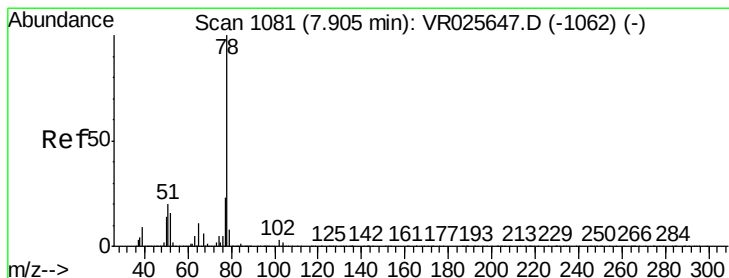
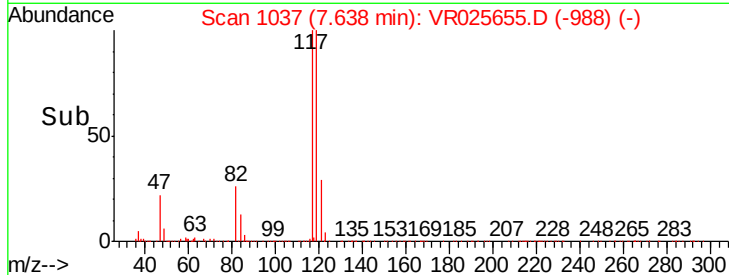
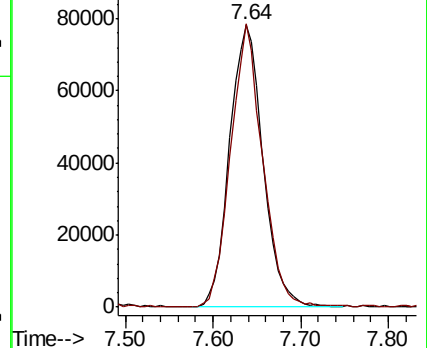
117 100

119 95.8 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: 5.188 ug/L

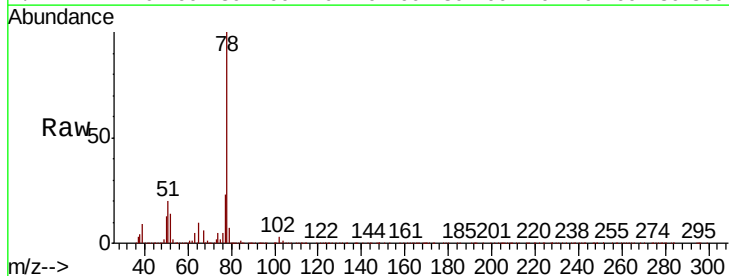
RT: 7.91 min Scan# 1081

Delta R.T. 0.00 min

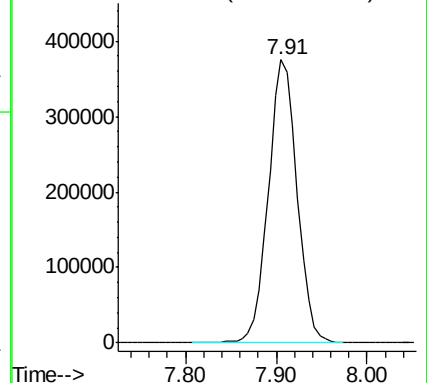
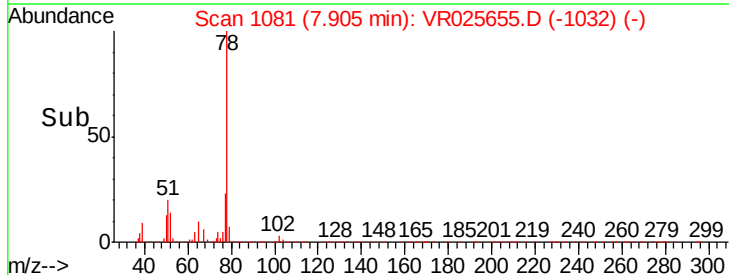
Lab File: VR025655.D

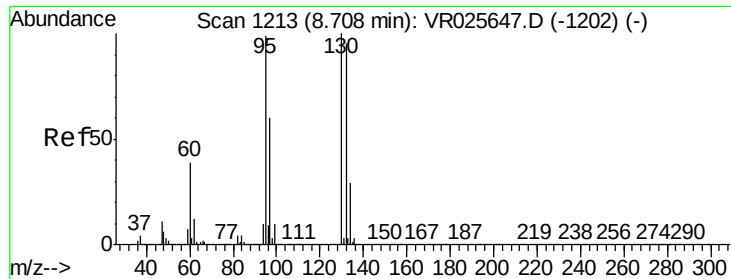
Acq: 29 Aug 2018 13:13

Tgt Ion: 78 Resp: 819916



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 4.996 ug/L

RT: 8.71 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VR025655.D

Acq: 29 Aug 2018 13:13

Instrument :

MSVOA_R

ClientSampleId :

VSTD00587

Tgt Ion: 95 Resp: 180838

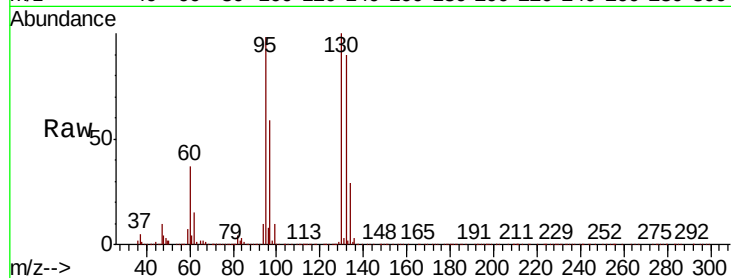
Ion Ratio Lower Upper

95 100

97 60.2 45.7 84.9

132 92.1 66.6 123.6

130 102.1 72.2 134.0

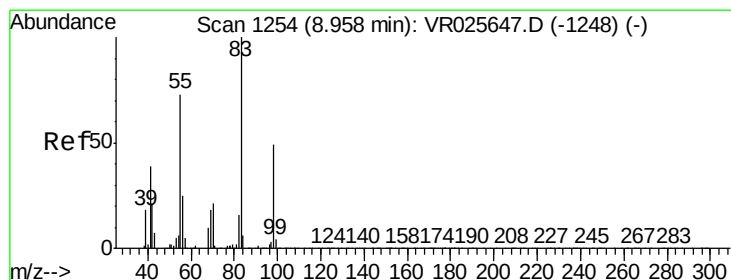
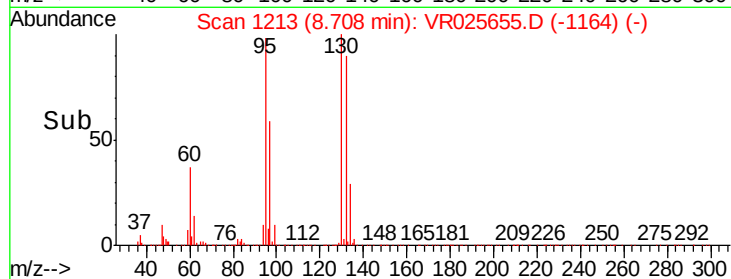
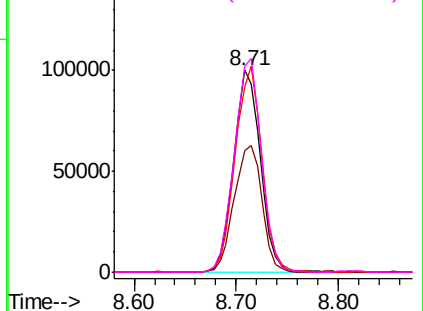


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 5.925 ug/L

RT: 8.96 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VR025655.D

Acq: 29 Aug 2018 13:13

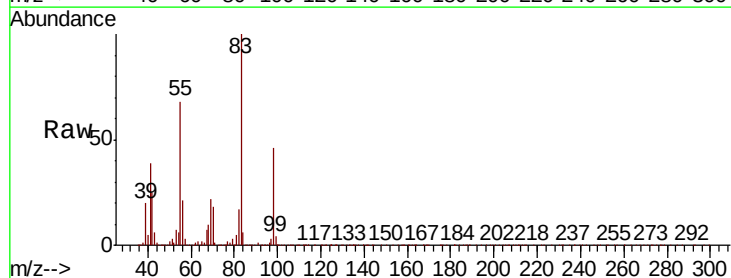
Tgt Ion: 83 Resp: 348895

Ion Ratio Lower Upper

83 100

55 70.9 56.7 85.1

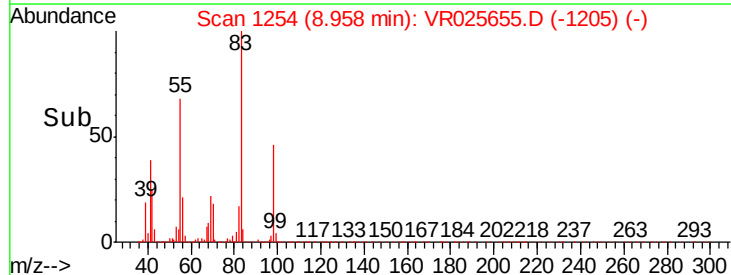
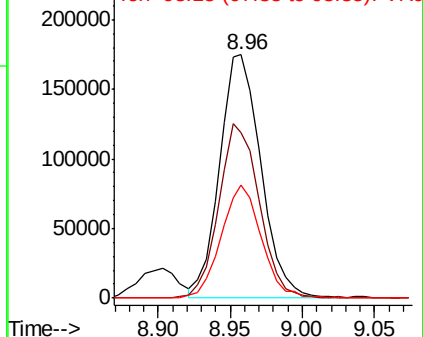
98 45.2 35.8 53.8

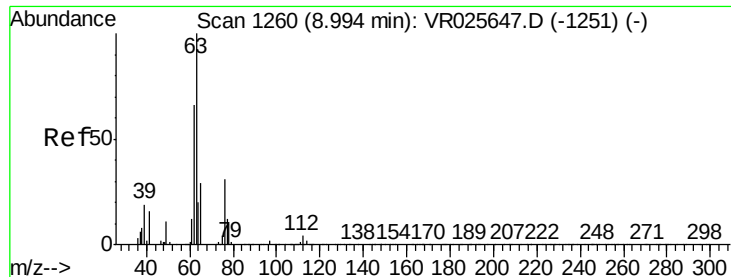


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

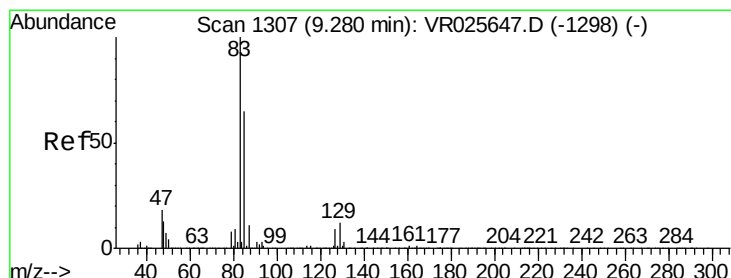
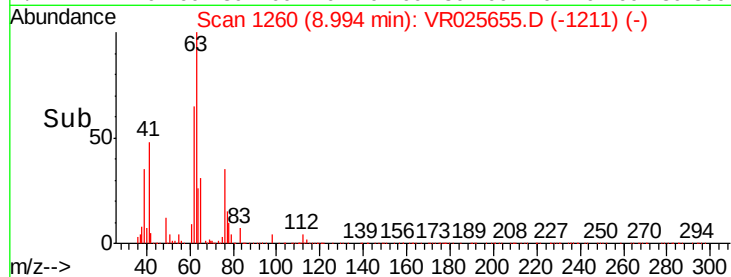
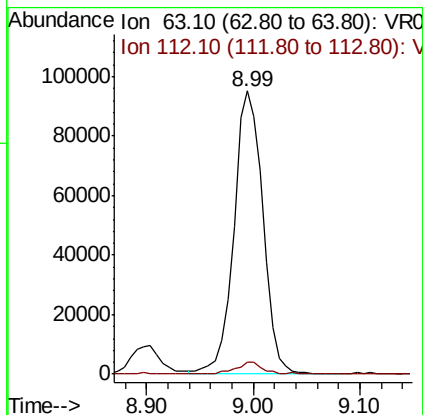
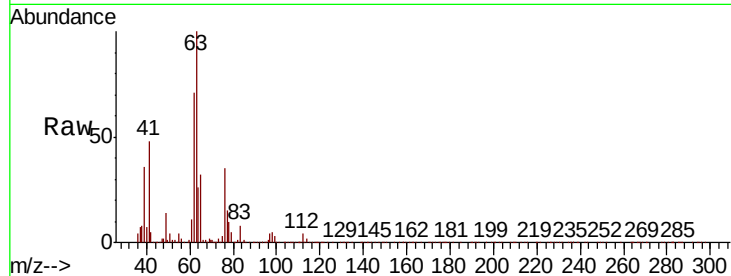




#37
 1,2-Dichloropropane
 Concen: 5.195 ug/L
 RT: 8.99 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VR025655.D
 Acq: 29 Aug 2018 13:13

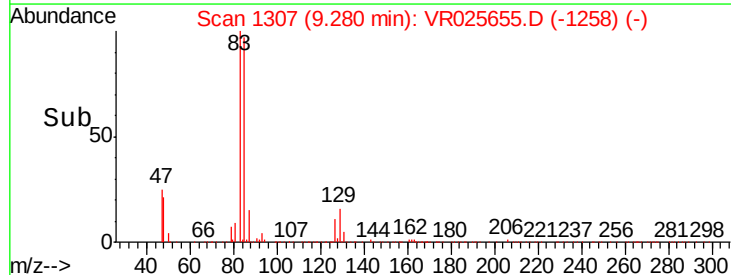
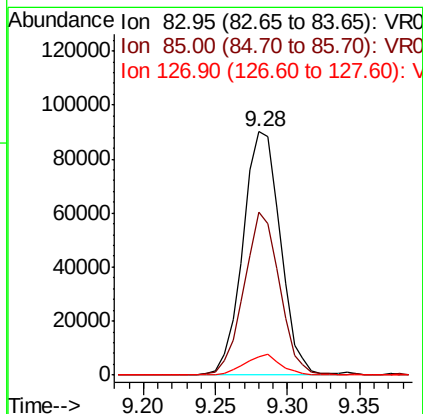
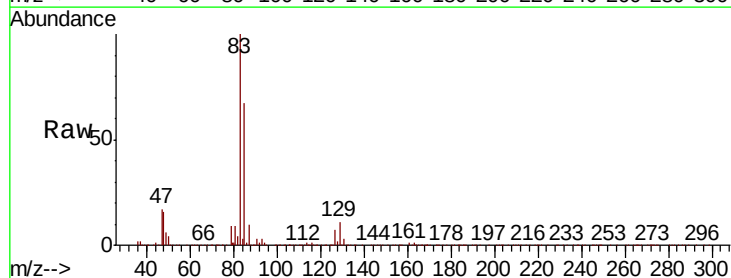
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00587

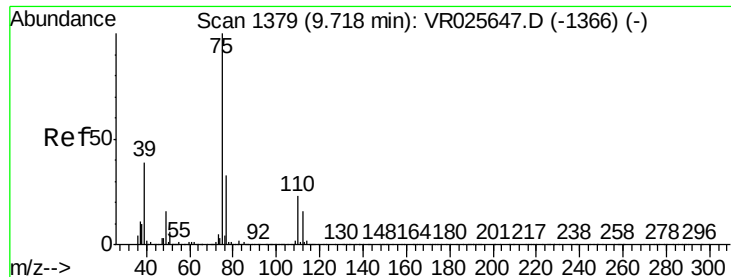
Tgt Ion: 63 Resp: 180227
 Ion Ratio Lower Upper
 63 100
 112 4.1 2.5 3.7#



#38
 Bromodichloromethane
 Concen: 5.347 ug/L
 RT: 9.28 min Scan# 1307
 Delta R.T. 0.00 min
 Lab File: VR025655.D
 Acq: 29 Aug 2018 13:13

Tgt Ion: 83 Resp: 161883
 Ion Ratio Lower Upper
 83 100
 85 67.1 43.2 80.2
 127 7.3 6.4 9.6

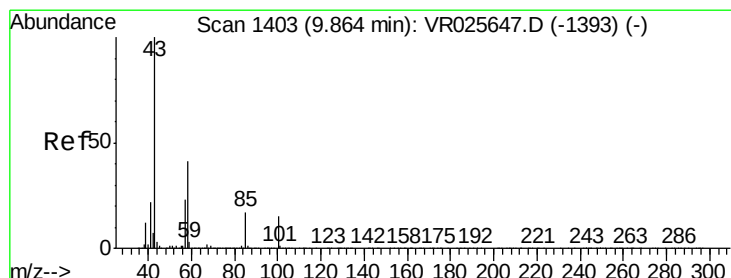
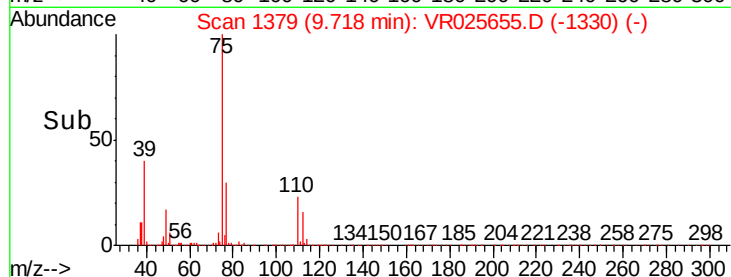
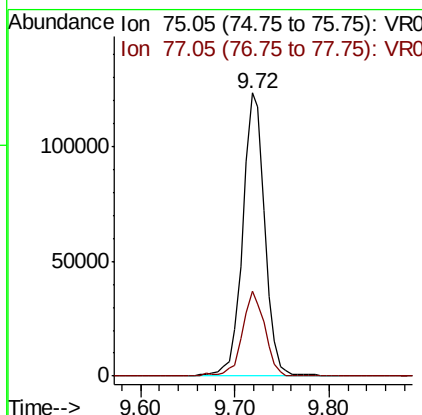
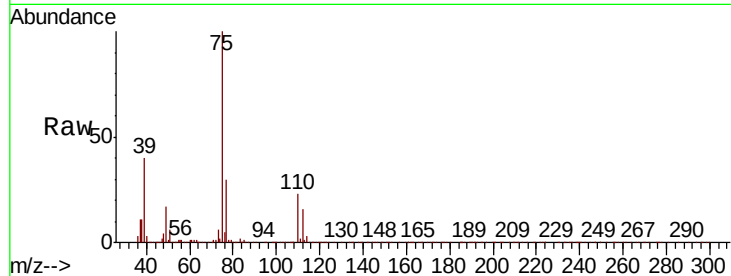




#39
 cis-1,3-Dichloropropene
 Concen: 5.658 ug/L
 RT: 9.72 min Scan# 1379
 Delta R.T. 0.00 min
 Lab File: VR025655.D
 Acq: 29 Aug 2018 13:13

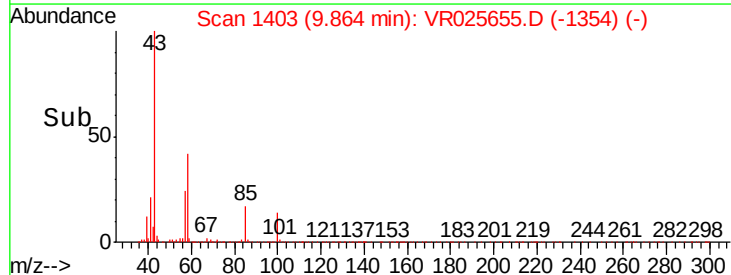
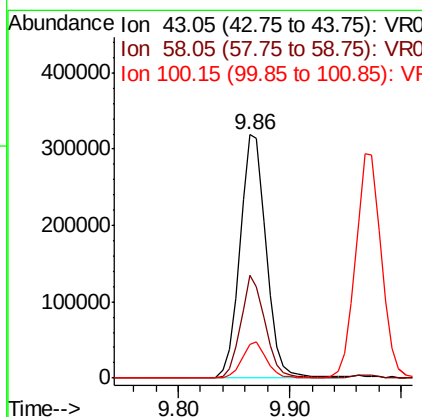
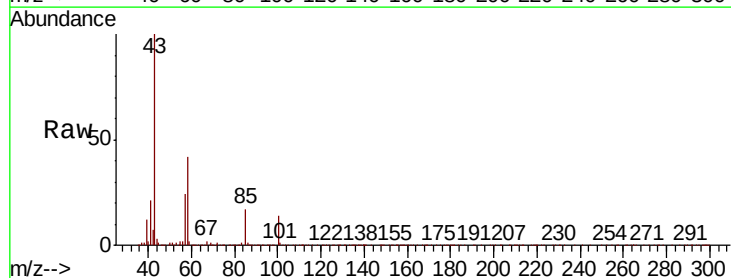
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00587

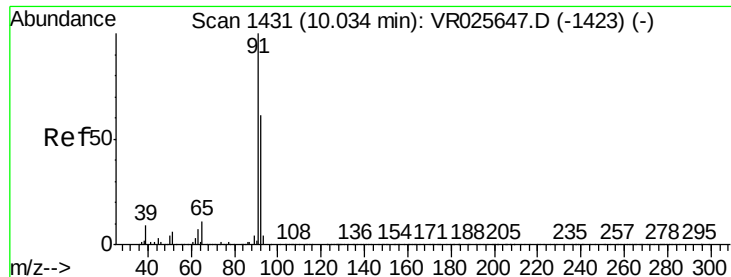
Tgt Ion: 75 Resp: 201168
 Ion Ratio Lower Upper
 75 100
 77 29.9 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 61.676 ug/L
 RT: 9.86 min Scan# 1403
 Delta R.T. 0.00 min
 Lab File: VR025655.D
 Acq: 29 Aug 2018 13:13

Tgt Ion: 43 Resp: 518274
 Ion Ratio Lower Upper
 43 100
 58 39.3 31.4 47.2
 100 14.0 11.5 17.3





#42

Toluene

Concen: 5.581 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VR025655.D

Acq: 29 Aug 2018 13:13

Instrument :

MSVOA_R

ClientSampleId :

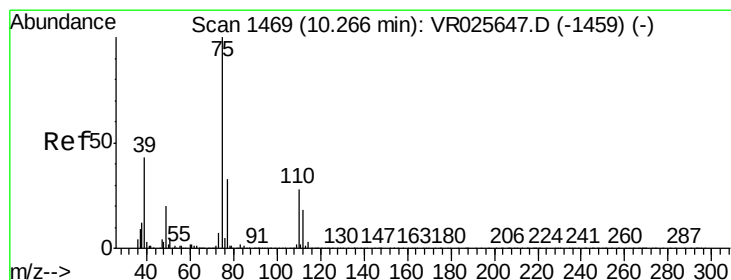
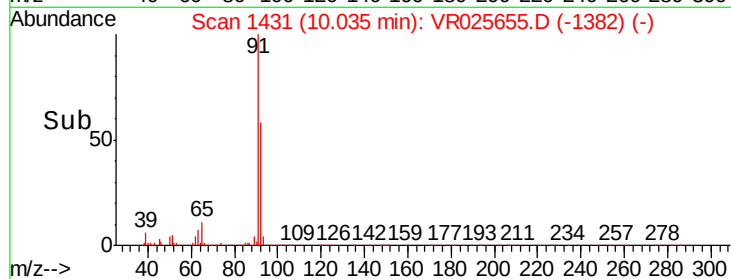
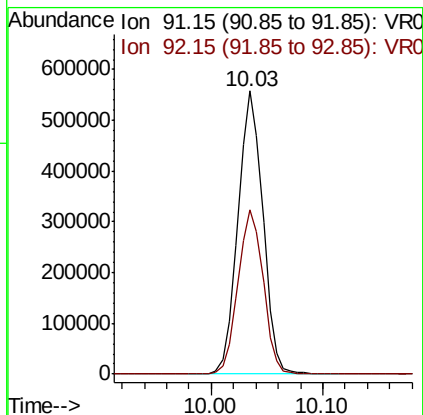
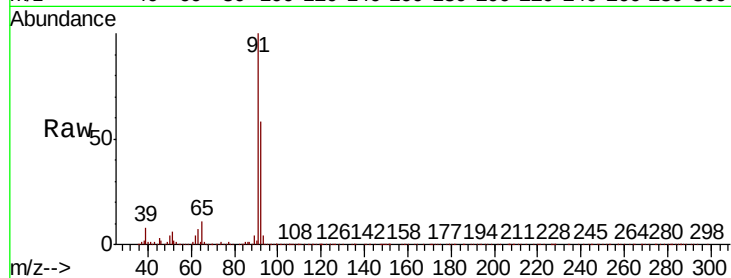
VSTD00587

Tgt Ion: 91 Resp: 865383

Ion Ratio Lower Upper

91 100

92 58.2 42.0 78.0



#44

trans-1,3-Dichloropropene

Concen: 5.500 ug/L

RT: 10.27 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VR025655.D

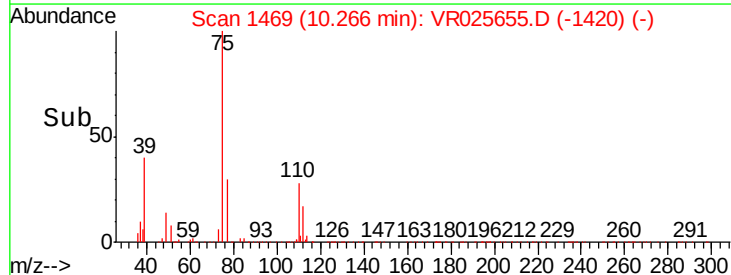
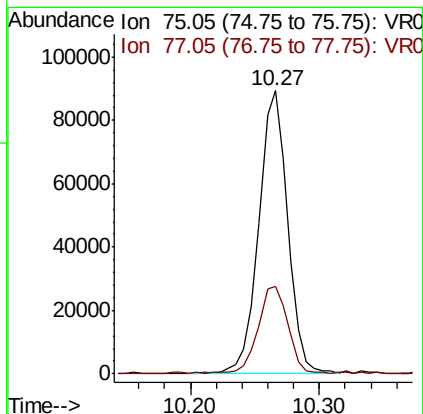
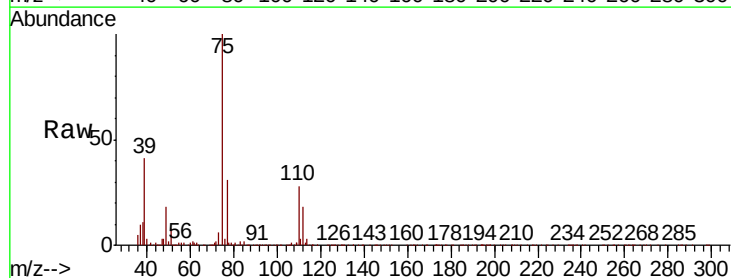
Acq: 29 Aug 2018 13:13

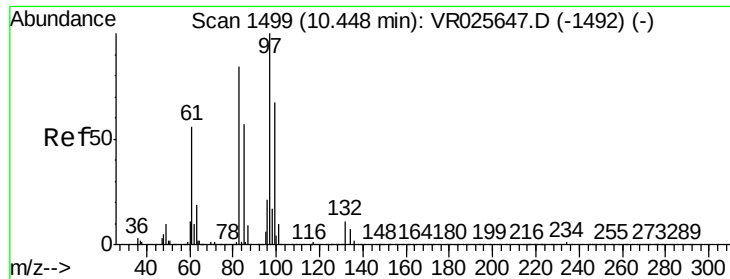
Tgt Ion: 75 Resp: 138006

Ion Ratio Lower Upper

75 100

77 30.8 22.3 41.5

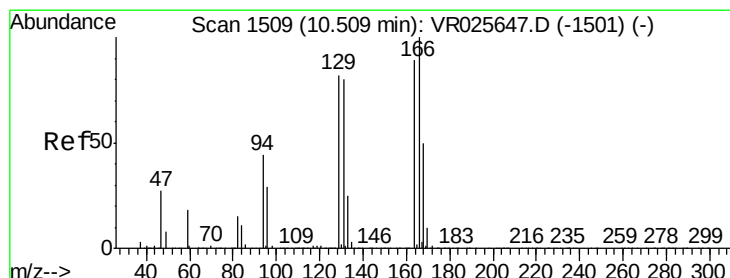
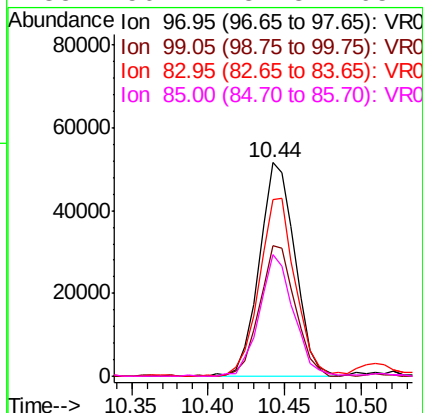
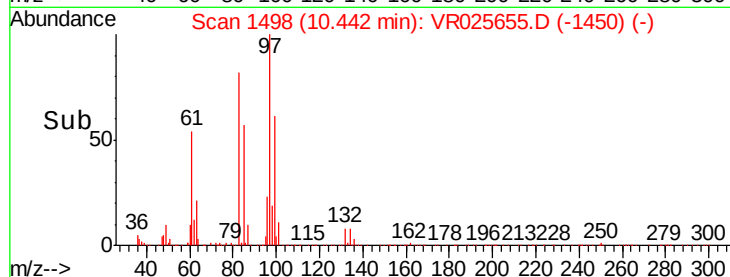
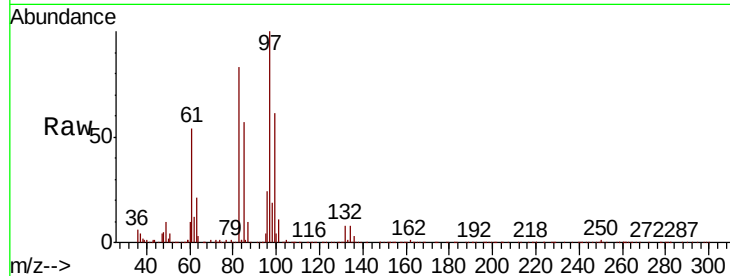




#45
 1,1,2-Trichloroethane
 Concen: 5.445 ug/L
 RT: 10.44 min Scan# 1498
 Delta R.T. -0.01 min
 Lab File: VR025655.D
 Acq: 29 Aug 2018 13:13

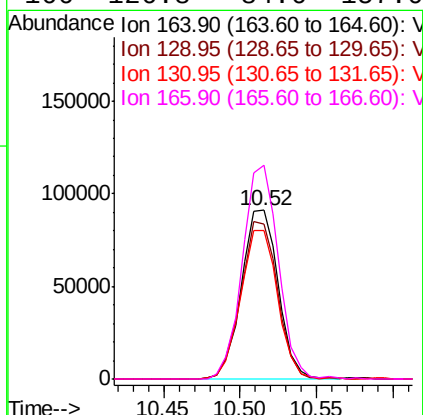
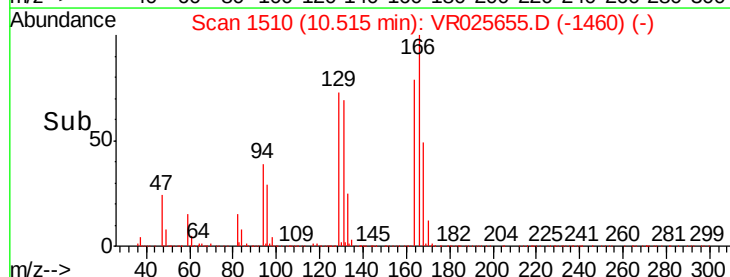
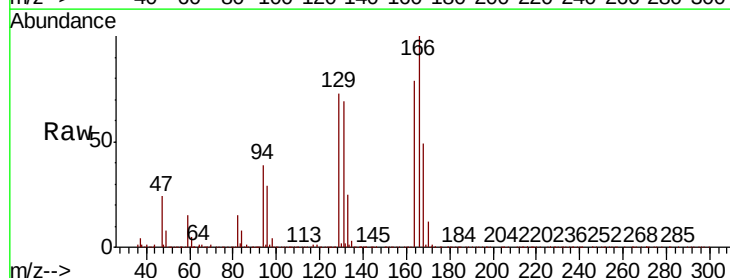
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00587

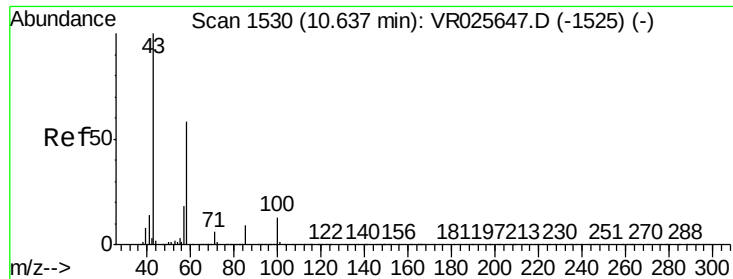
Tgt Ion:	97	Resp:	83335
Ion	Ratio	Lower	Upper
97	100		
99	61.1	41.2	76.6
83	82.5	60.1	111.7
85	56.7	34.3	63.7



#47
 Tetrachloroethene
 Concen: 5.486 ug/L
 RT: 10.52 min Scan# 1510
 Delta R.T. 0.01 min
 Lab File: VR025655.D
 Acq: 29 Aug 2018 13:13

Tgt Ion:	164	Resp:	151859
Ion	Ratio	Lower	Upper
164	100		
129	92.3	68.7	127.5
131	88.1	66.4	123.4
166	126.8	84.6	157.0

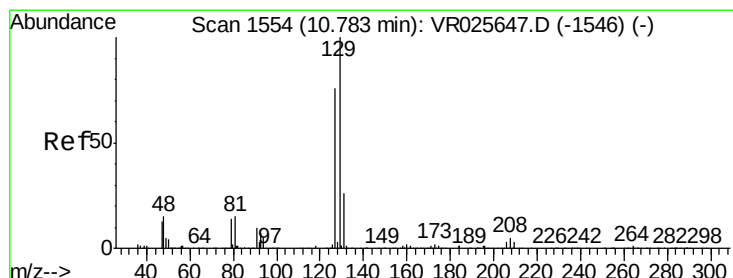
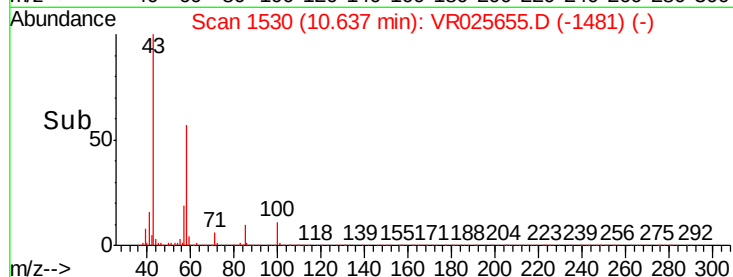
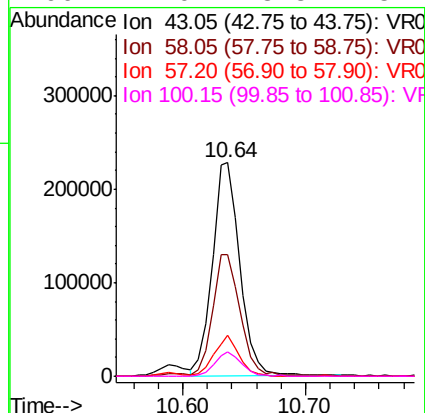
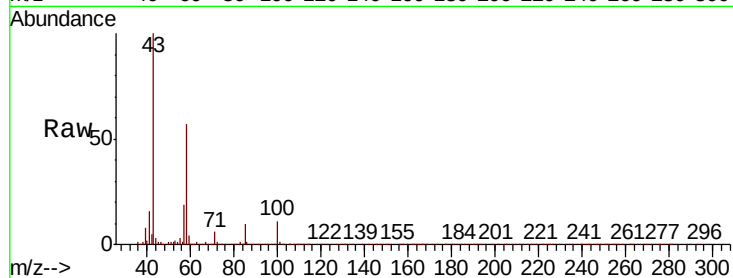




#48
2-Hexanone
Concen: 60.945 ug/L
RT: 10.64 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VR025655.D
Acq: 29 Aug 2018 13:13

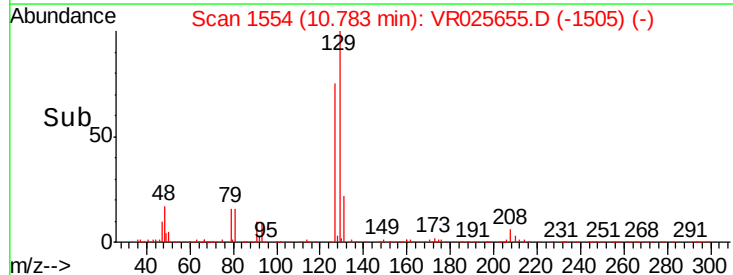
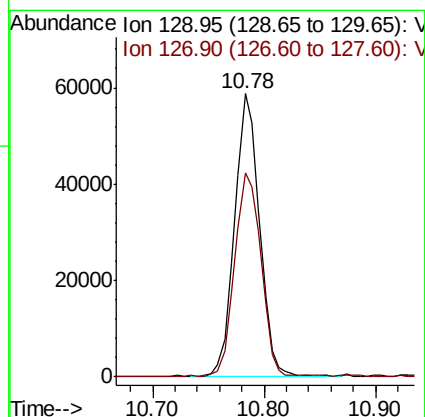
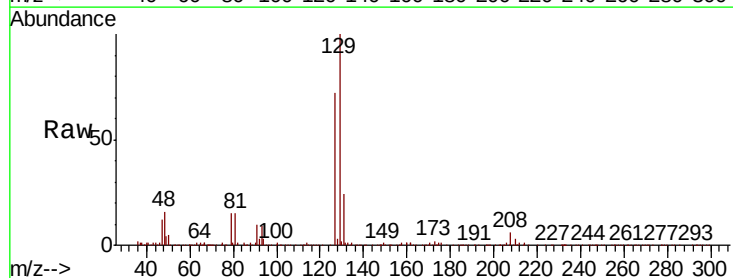
Instrument :
MSVOA_R
ClientSampleId :
VSTD00587

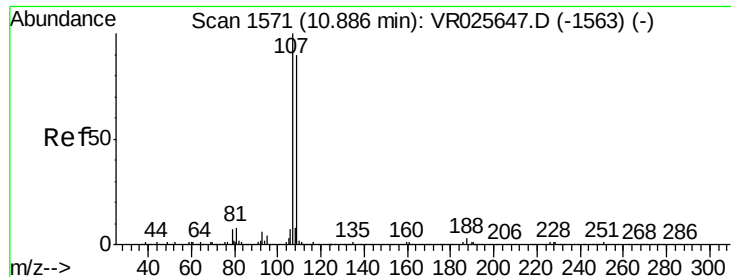
Tgt Ion:	43	Resp:	356998
Ion	Ratio	Lower	Upper
43	100		
58	59.6	46.4	69.6
57	17.5	14.3	21.5
100	11.0	8.8	13.2



#49
Dibromochloromethane
Concen: 5.535 ug/L
RT: 10.78 min Scan# 1554
Delta R.T. 0.00 min
Lab File: VR025655.D
Acq: 29 Aug 2018 13:13

Tgt Ion:	129	Resp:	91290
Ion	Ratio	Lower	Upper
129	100		
127	71.9	51.6	95.8

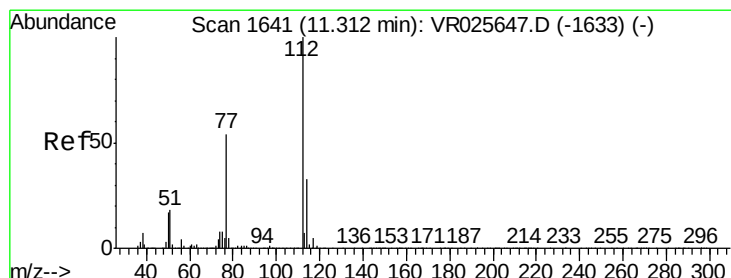
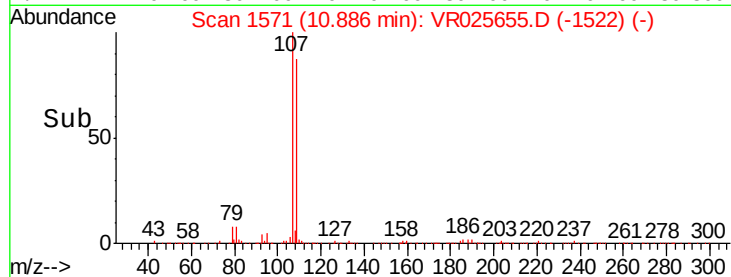
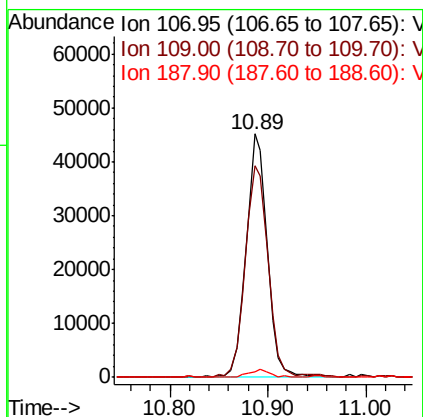
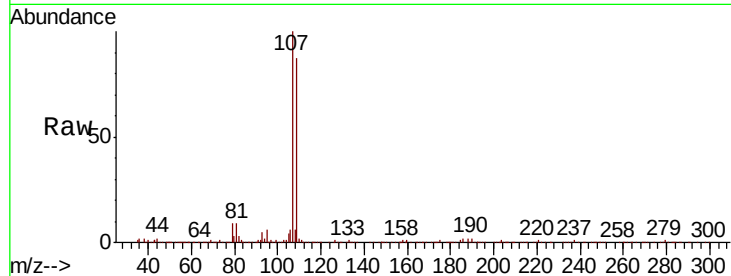




#50
1,2-Dibromoethane
Concen: 5.590 ug/L
RT: 10.89 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VR025655.D
Acq: 29 Aug 2018 13:13

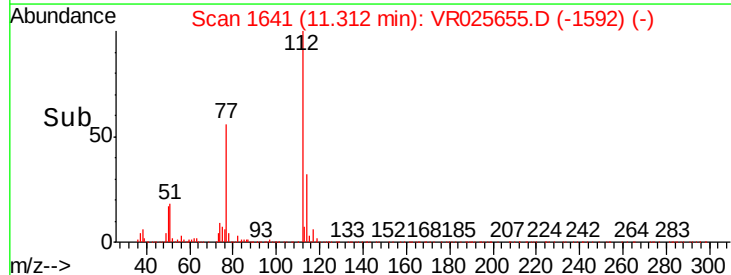
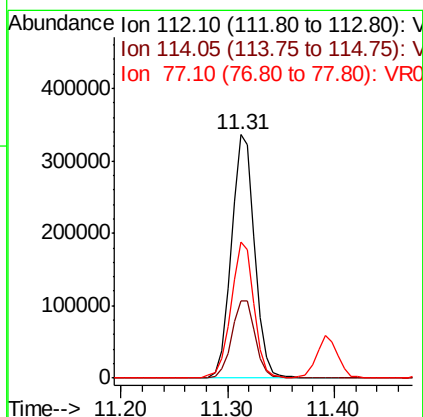
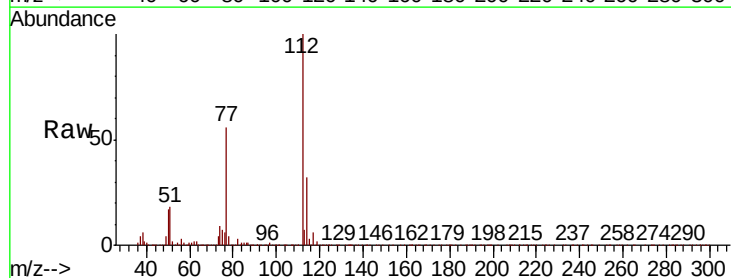
Instrument :
MSVOA_R
ClientSampleId :
VSTD00587

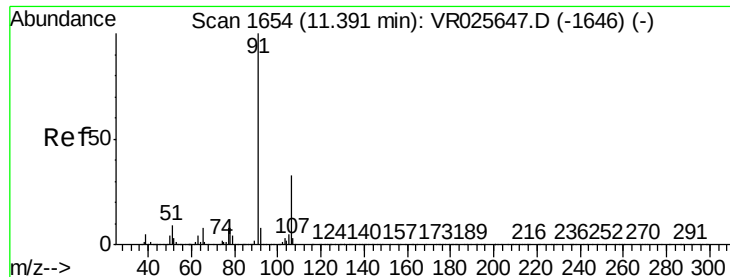
Tgt Ion:107 Resp: 67786
Ion Ratio Lower Upper
107 100
109 86.8 70.1 130.1
188 2.5 2.6 3.8#



#51
Chlorobenzene
Concen: 5.305 ug/L
RT: 11.31 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VR025655.D
Acq: 29 Aug 2018 13:13

Tgt Ion:112 Resp: 512099
Ion Ratio Lower Upper
112 100
114 31.9 21.8 40.4
77 55.7 43.0 64.4





#52

Ethylbenzene

Concen: 5.718 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VR025655.D

Acq: 29 Aug 2018 13:13

Instrument :

MSVOA_R

ClientSampleId :

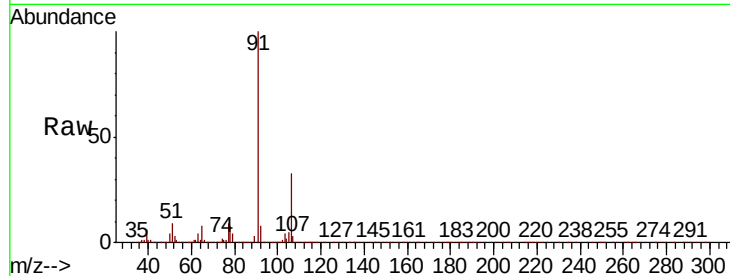
VSTD00587

Tgt Ion: 91 Resp: 946650

Ion Ratio Lower Upper

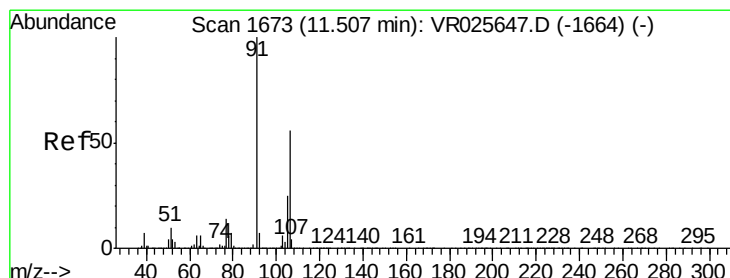
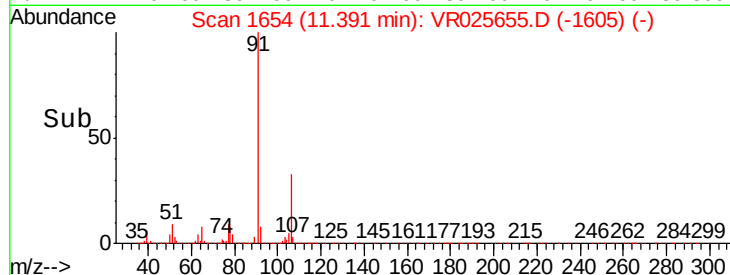
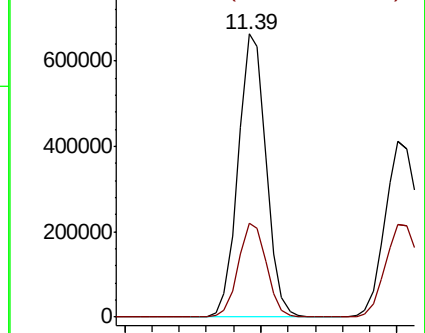
91 100

106 33.0 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: 5.742 ug/L

RT: 11.50 min Scan# 1672

Delta R.T. -0.01 min

Lab File: VR025655.D

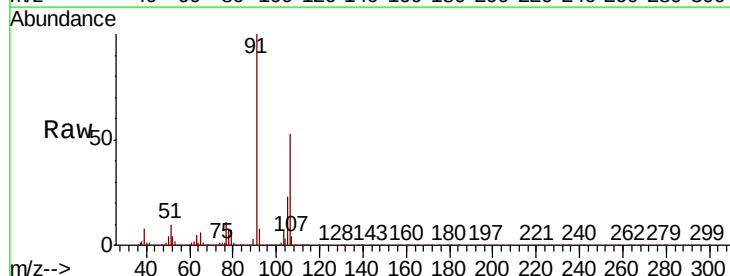
Acq: 29 Aug 2018 13:13

Tgt Ion: 106 Resp: 380749

Ion Ratio Lower Upper

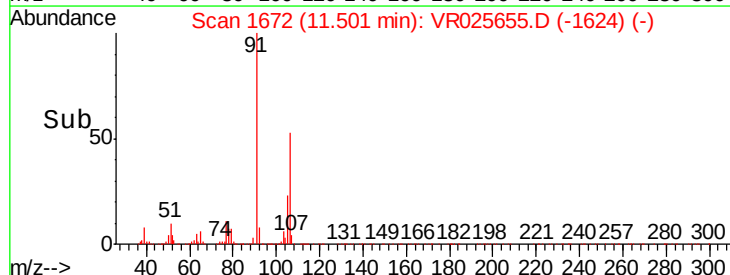
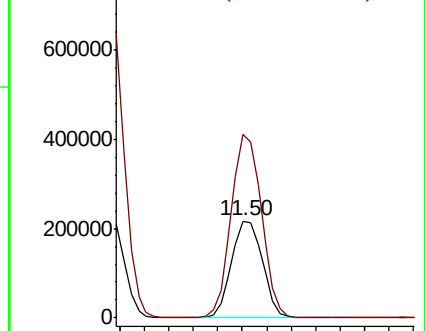
106 100

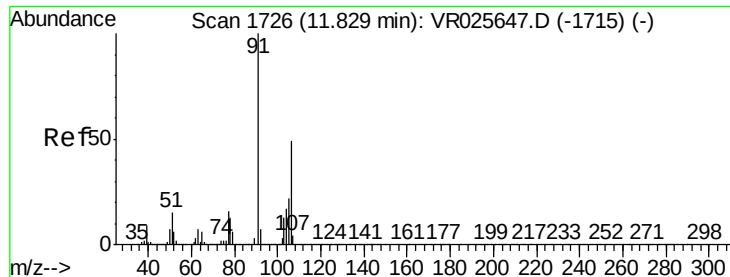
91 189.9 130.9 243.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0

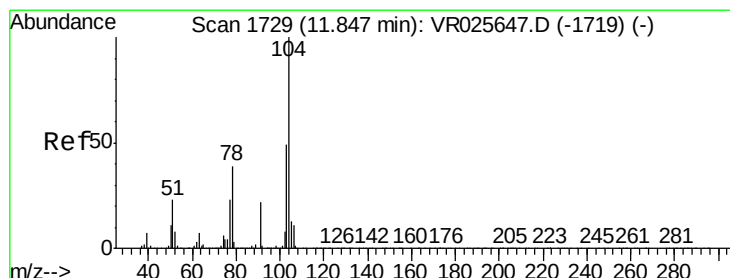
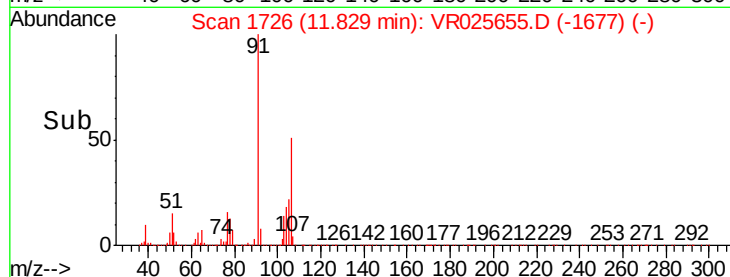
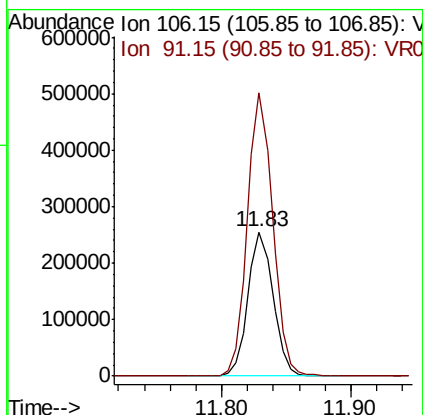
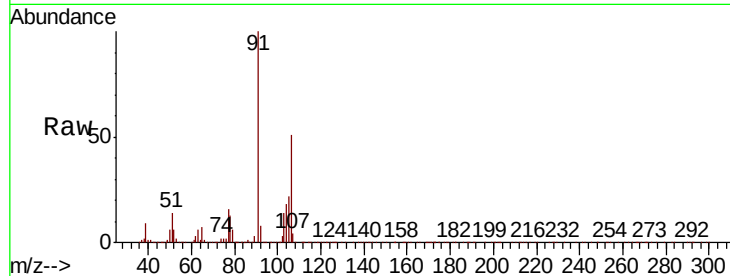




#54
o-Xylene
Concen: 5.805 ug/L
RT: 11.83 min Scan# 1726
Delta R.T. 0.00 min
Lab File: VR025655.D
Acq: 29 Aug 2018 13:13

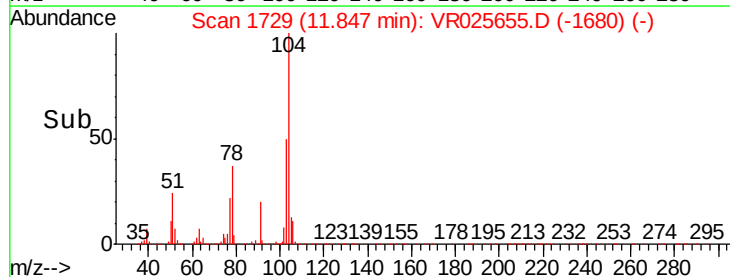
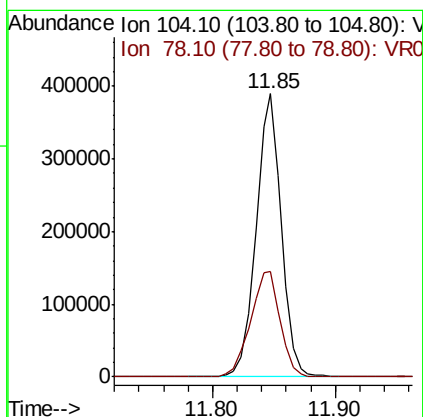
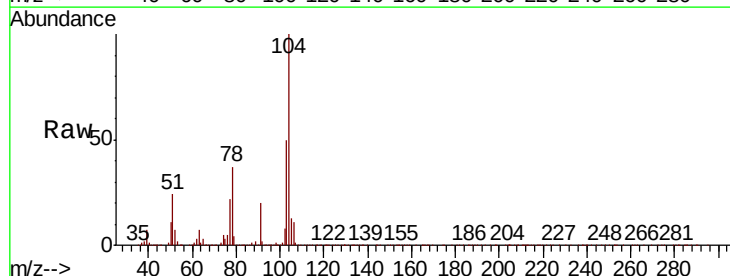
Instrument :
MSVOA_R
ClientSampleId :
VSTD00587

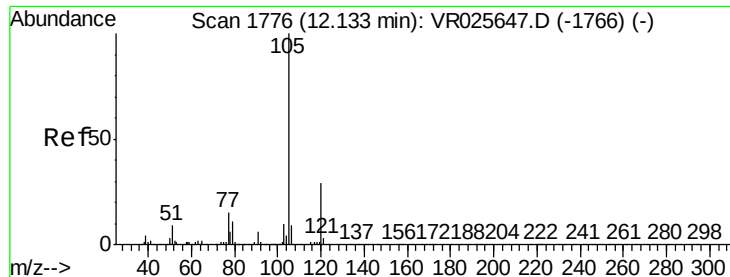
Tgt Ion:106 Resp: 342927
Ion Ratio Lower Upper
106 100
91 196.1 137.5 255.3



#55
Styrene
Concen: 5.838 ug/L
RT: 11.85 min Scan# 1729
Delta R.T. 0.00 min
Lab File: VR025655.D
Acq: 29 Aug 2018 13:13

Tgt Ion:104 Resp: 557166
Ion Ratio Lower Upper
104 100
78 37.3 26.2 48.6





#56

Isopropylbenzene

Concen: 6.013 ug/L

RT: 12.13 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VR025655.D

Acq: 29 Aug 2018 13:13

Instrument :

MSVOA_R

ClientSampleId :

VSTD00587

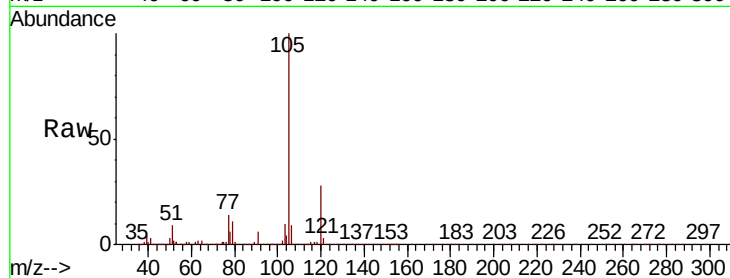
Tgt Ion: 105 Resp: 900522

Ion Ratio Lower Upper

105 100

120 28.1 22.2 33.4

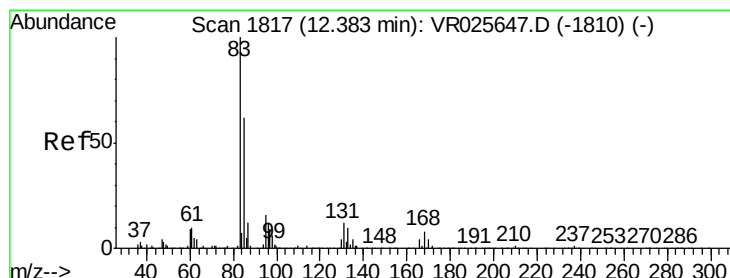
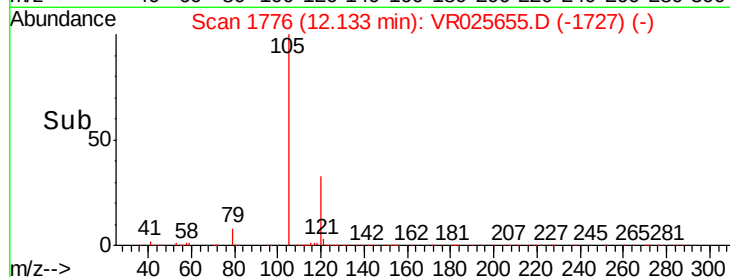
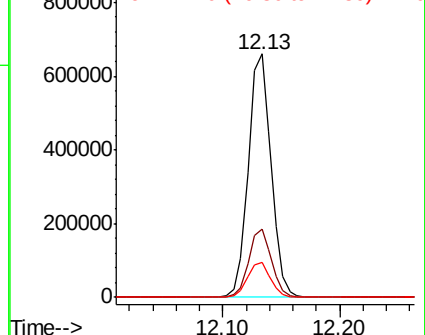
77 14.6 11.6 17.4



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): VR0



#58

1,1,2,2-Tetrachloroethane

Concen: 5.224 ug/L

RT: 12.38 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VR025655.D

Acq: 29 Aug 2018 13:13

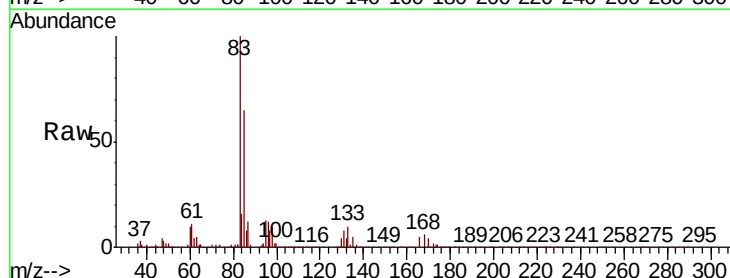
Tgt Ion: 83 Resp: 82636

Ion Ratio Lower Upper

83 100

85 64.9 42.3 78.5

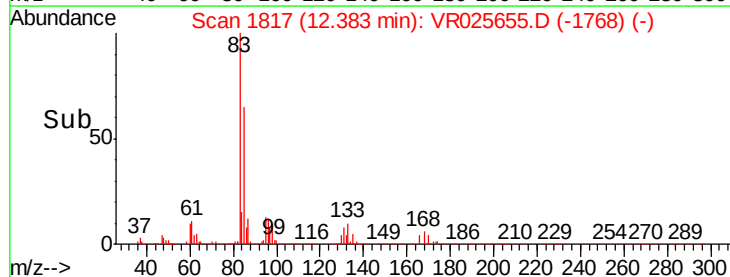
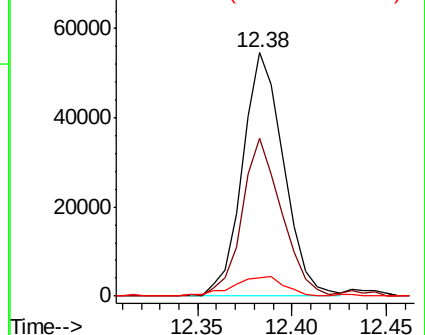
131 7.7 7.8 11.6#

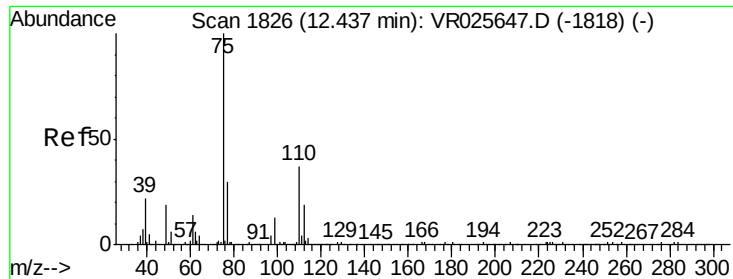


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

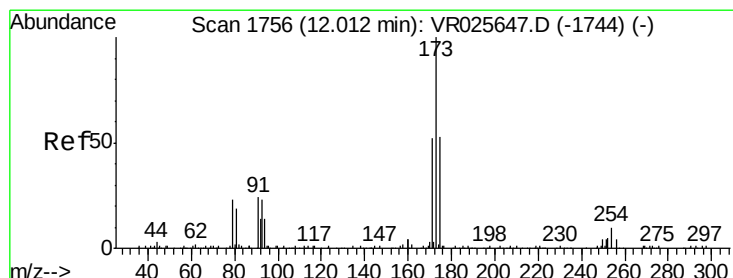
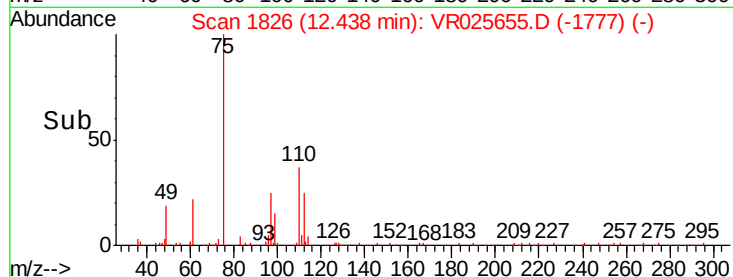
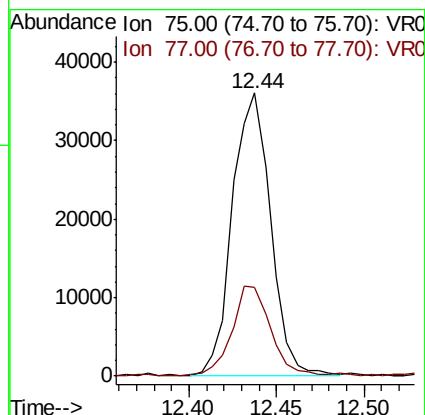
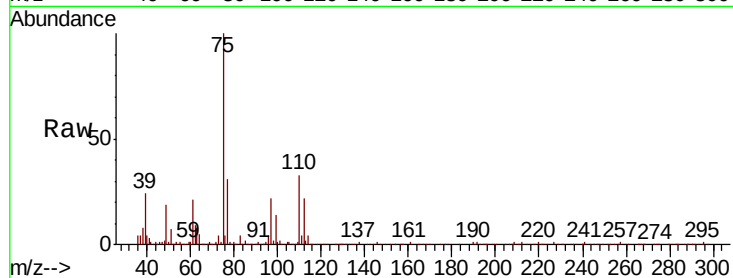




#59
 1,2,3-Trichloropropane
 Concen: 5.107 ug/L
 RT: 12.44 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VR025655.D
 Acq: 29 Aug 2018 13:13

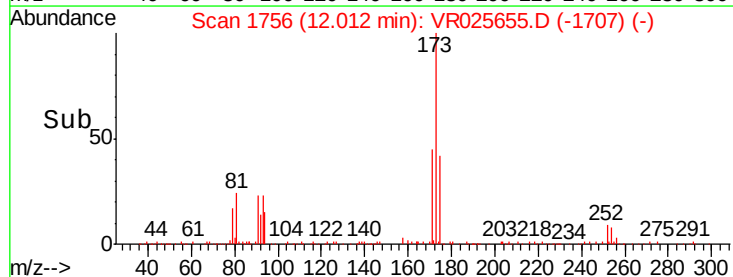
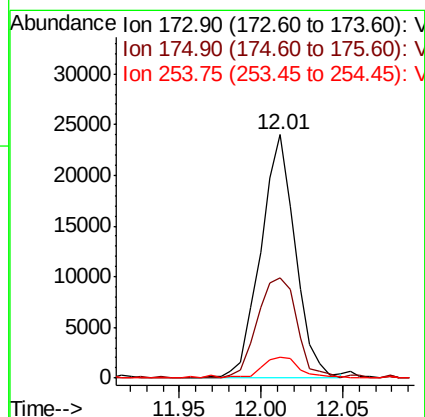
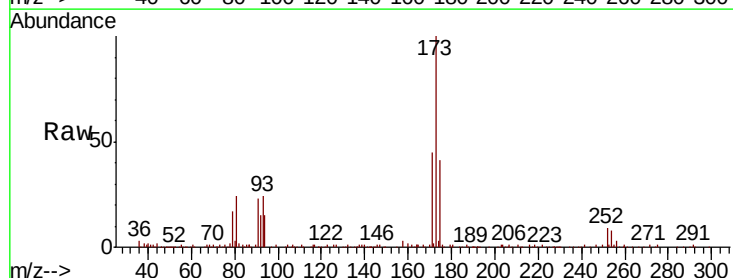
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00587

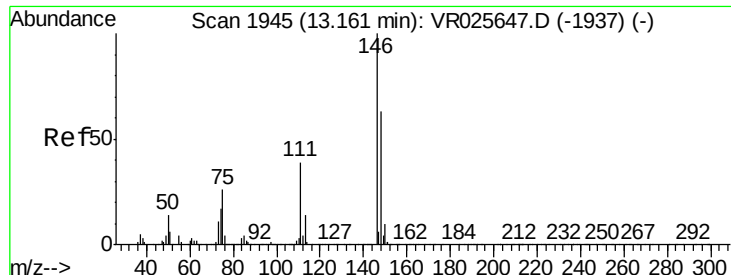
Tgt Ion: 75 Resp: 54928
 Ion Ratio Lower Upper
 75 100
 77 32.4 23.5 35.3



#61
 Bromoform
 Concen: 5.033 ug/L
 RT: 12.01 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VR025655.D
 Acq: 29 Aug 2018 13:13

Tgt Ion: 173 Resp: 35455
 Ion Ratio Lower Upper
 173 100
 175 47.2 40.4 60.6
 254 9.5 9.5 14.3#

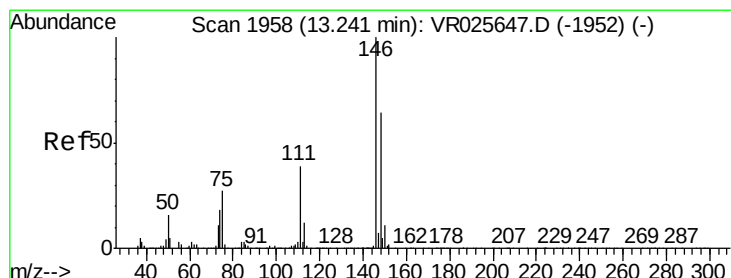
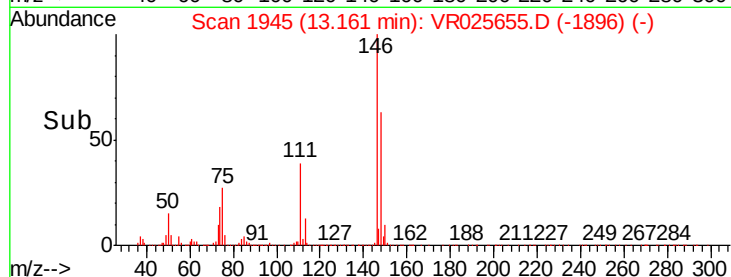
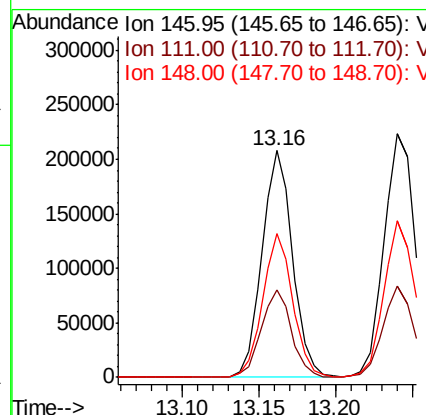
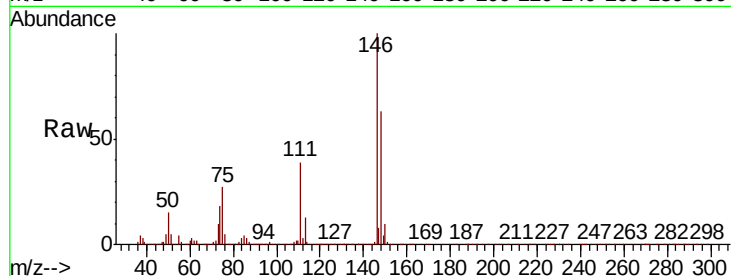




#62
 1,3-Dichlorobenzene
 Concen: 5.326 ug/L
 RT: 13.16 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VR025655.D
 Acq: 29 Aug 2018 13:13

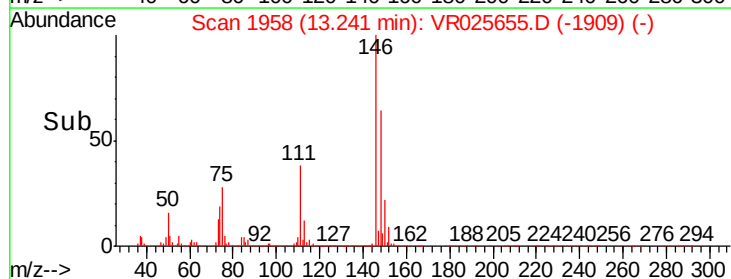
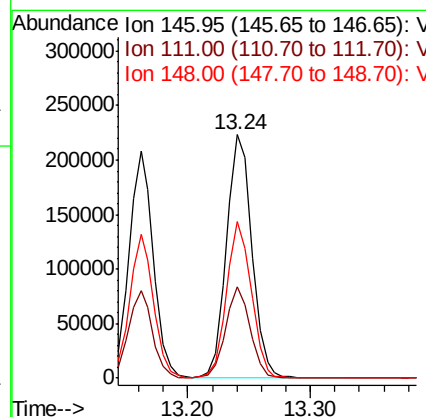
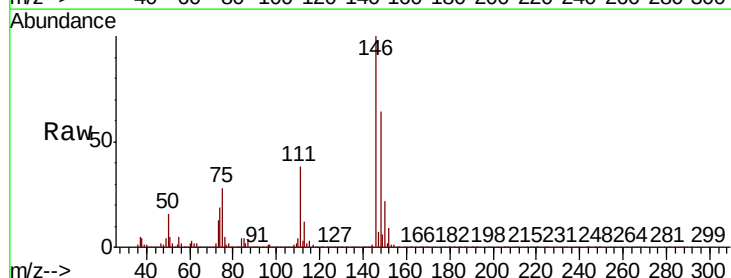
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00587

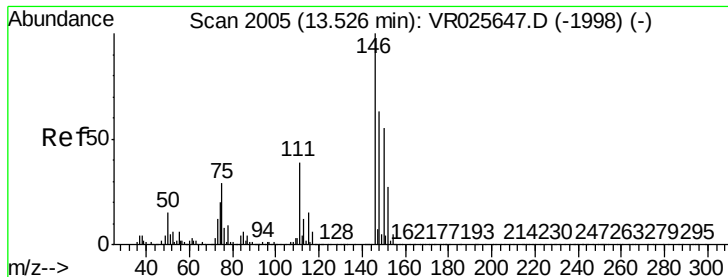
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	24.8	46.1
148	63.5	43.5	80.7



#63
 1,4-Dichlorobenzene
 Concen: 5.326 ug/L
 RT: 13.24 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VR025655.D
 Acq: 29 Aug 2018 13:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	26.7	49.5
148	64.4	44.4	82.5

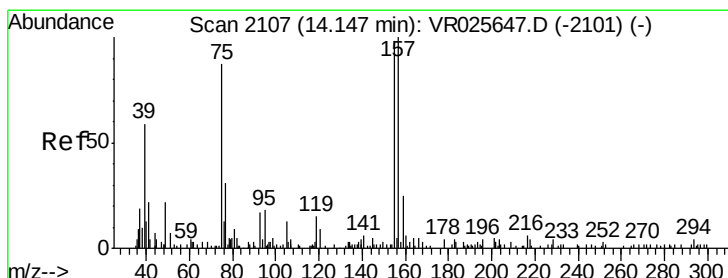
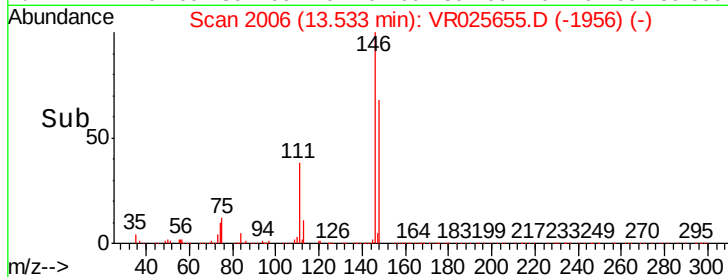
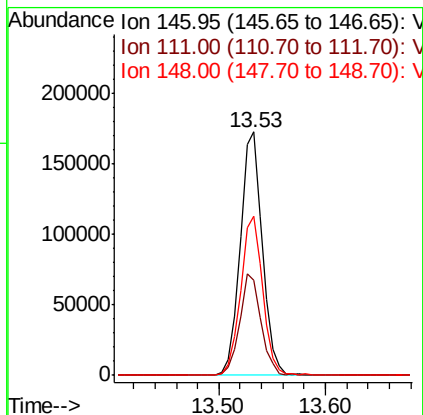
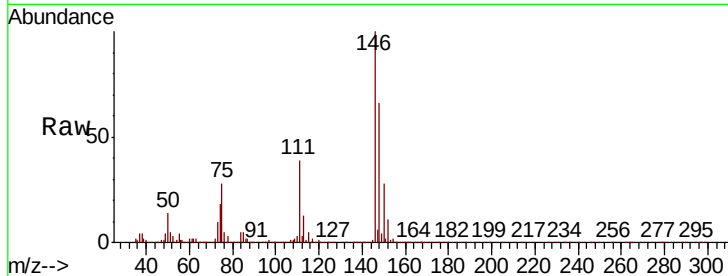




#65
 1,2-Dichlorobenzene
 Concen: 5.364 ug/L
 RT: 13.53 min Scan# 2006
 Delta R.T. 0.01 min
 Lab File: VR025655.D
 Acq: 29 Aug 2018 13:13

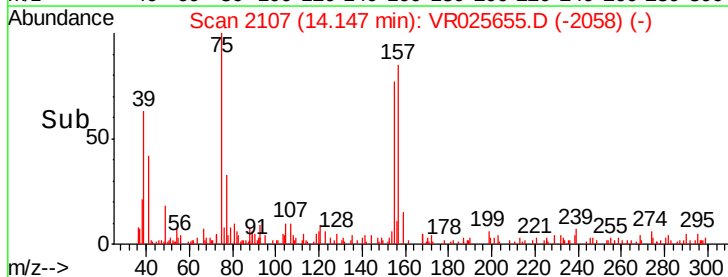
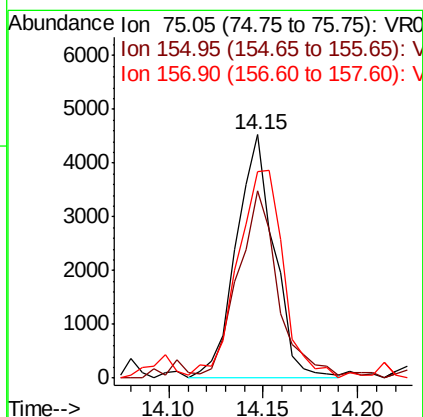
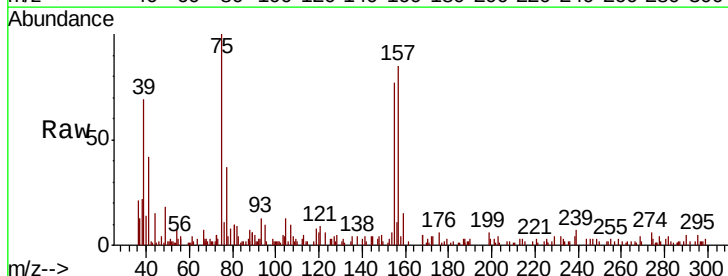
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00587

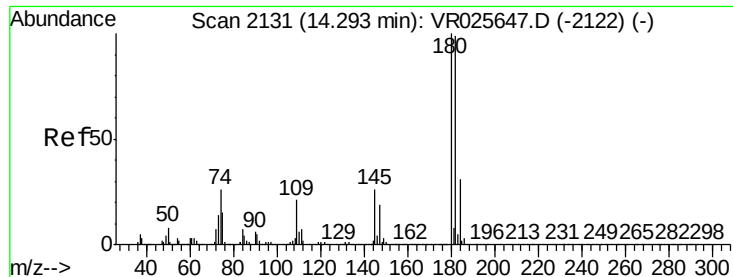
Tgt Ion:146 Resp: 250314
 Ion Ratio Lower Upper
 146 100
 111 39.0 31.6 47.4
 148 65.5 48.7 73.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.985 ug/L
 RT: 14.15 min Scan# 2107
 Delta R.T. 0.00 min
 Lab File: VR025655.D
 Acq: 29 Aug 2018 13:13

Tgt Ion: 75 Resp: 6298
 Ion Ratio Lower Upper
 75 100
 155 77.0 55.2 82.8
 157 84.8 89.4 134.2#

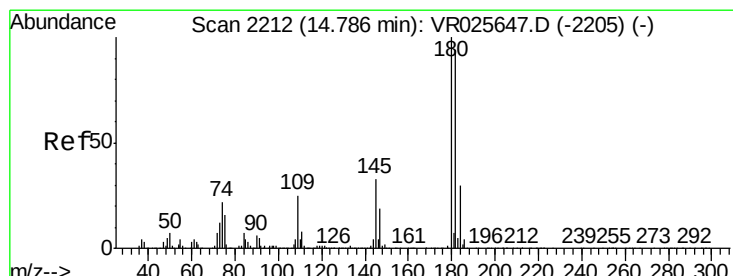
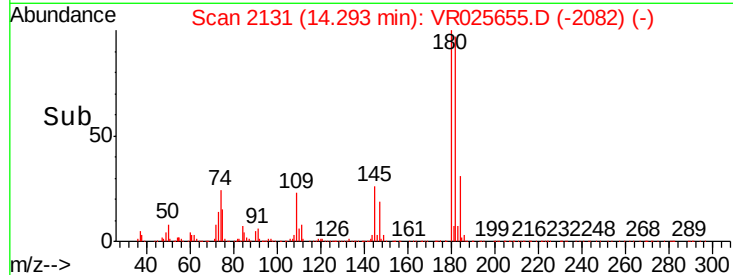
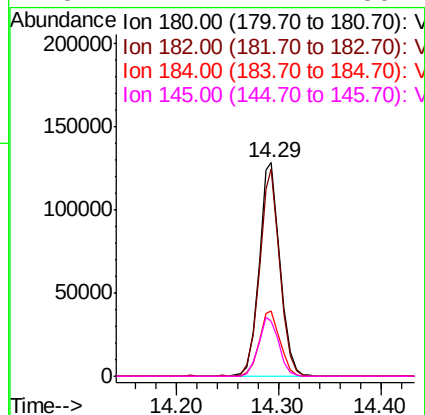
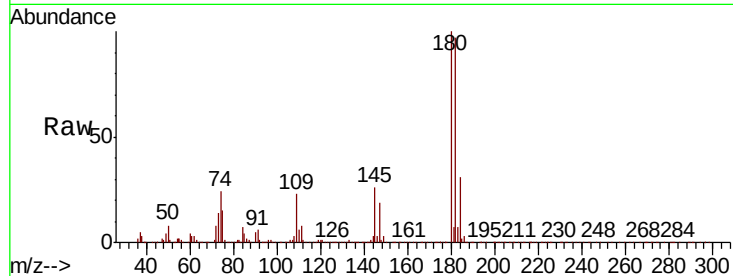




#67
 1,3,5-Trichlorobenzene
 Concen: 5.980 ug/L
 RT: 14.29 min Scan# 2131
 Delta R.T. 0.00 min
 Lab File: VR025655.D
 Acq: 29 Aug 2018 13:13

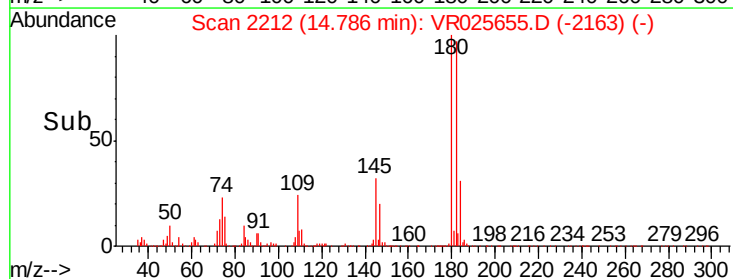
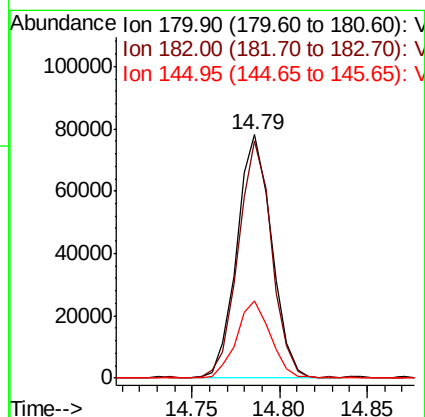
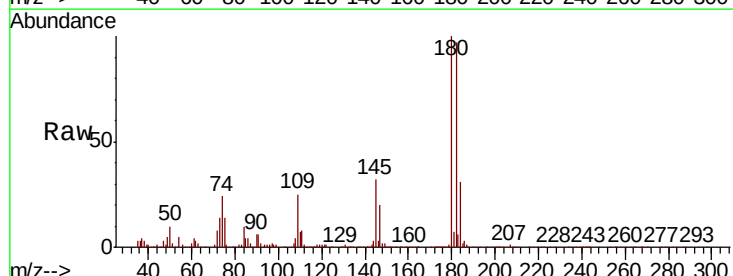
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00587

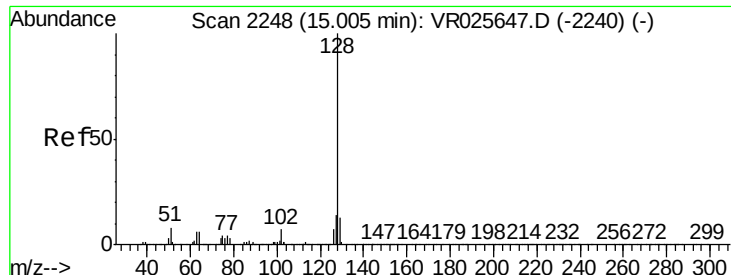
Tgt Ion:	180	Resp:	183149
Ion	Ratio	Lower	Upper
180	100		
182	94.4	74.4	111.6
184	30.6	25.1	37.7
145	27.1	24.2	36.4



#68
 1,2,4-trichlorobenzene
 Concen: 5.664 ug/L
 RT: 14.79 min Scan# 2212
 Delta R.T. 0.00 min
 Lab File: VR025655.D
 Acq: 29 Aug 2018 13:13

Tgt Ion:	180	Resp:	107651
Ion	Ratio	Lower	Upper
180	100		
182	93.5	75.0	112.6
145	31.5	25.4	38.0





#69

Naphthalene

Concen: 5.110 ug/L

RT: 15.00 min Scan# 2248

Delta R.T. 0.00 min

Lab File: VR025655.D

Acq: 29 Aug 2018 13:13

Instrument :

MSVOA_R

ClientSampled :

VSTD00587

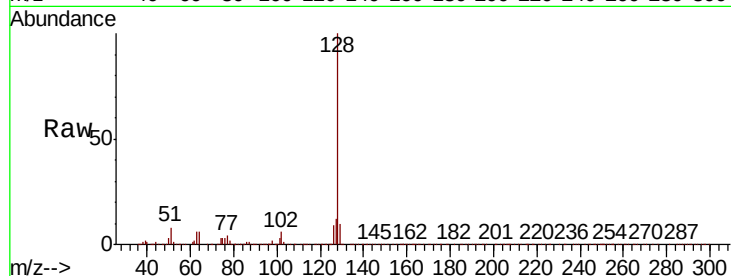
Tgt Ion:128 Resp: 119932

Ion Ratio Lower Upper

128 100

127 13.3 10.0 15.0

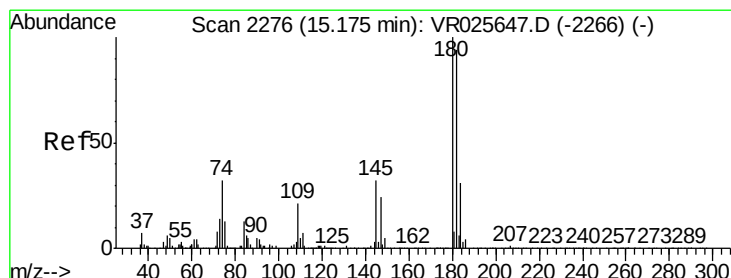
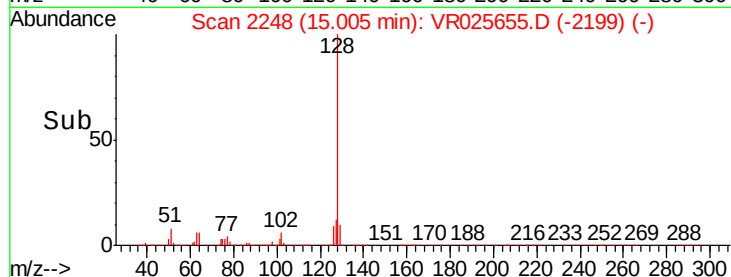
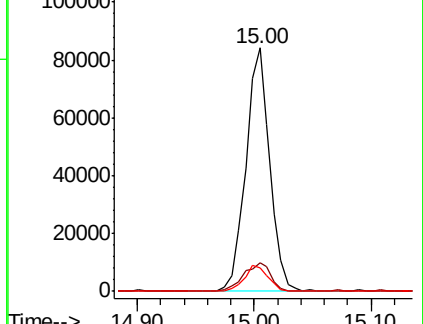
129 10.7 8.9 13.3



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: 5.979 ug/L

RT: 15.18 min Scan# 2277

Delta R.T. 0.01 min

Lab File: VR025655.D

Acq: 29 Aug 2018 13:13

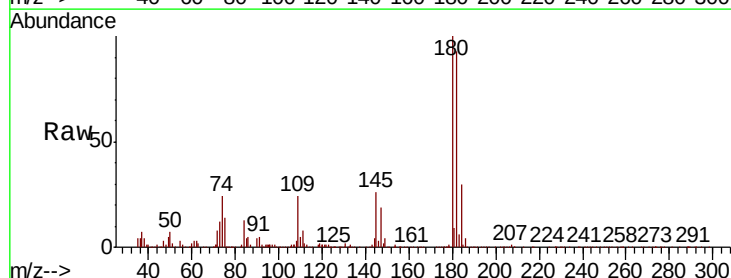
Tgt Ion:180 Resp: 88349

Ion Ratio Lower Upper

180 100

182 92.4 74.4 111.6

145 30.0 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

