

Data File : VR025625.D
Acq On : 21 Aug 2018 13:09
Operator : SY/MD
Sample : VSTD00583
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00583

Quant Time: Aug 21 16:27:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR082118WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Aug 21 11:03:04 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	517113	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	436033	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	181241	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	167362	4.72	ug/L	0.01
7) Chloroethane-d5	2.62	69	146900	5.77	ug/L	-0.02
11) 1,1-Dichloroethene-d2	3.62	63	423198	5.06	ug/L	-0.02
20) 2-Butanone-d5	6.59	46	133067	39.51	ug/L	-0.01
24) Chloroform-d	7.20	84	296260	4.77	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.89	65	99008	4.30	ug/L	0.00
32) Benzene-d6	7.86	84	740456	6.26	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	183384	5.57	ug/L	0.00
41) Toluene-d8	9.97	98	677089	5.83	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	43613	5.51	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	155696	52.61	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	83880	4.94	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.51	152	145562	4.75	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	143963	4.764 ug/L	100
3) Chloromethane	2.01	50	216256	4.754 ug/L	94
5) Vinyl chloride	2.17	62	211491	5.162 ug/L	97
6) Bromomethane	2.52	94	141049	7.129 ug/L	95
8) Chloroethane	2.65	64	130065	6.011 ug/L	89
9) Trichlorofluoromethane	2.94	101	109376	1.837 ug/L	88
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	188527	4.896 ug/L	93
12) 1,1-Dichloroethene	3.63	96	193113	4.535 ug/L	82
13) Acetone	3.70	43	87891	25.476 ug/L	92
14) Carbon disulfide	3.96	76	545148	6.206 ug/L	97
15) Methyl Acetate	4.21	43	30665	3.379 ug/L	100
16) Methylene chloride	4.41	84	174486	4.425 ug/L	96
17) Methyl tert-butyl Ether	4.89	73	218359	4.879 ug/L	97
18) trans-1,2-Dichloroethene	4.89	96	216917	5.400 ug/L	92
19) 1,1-Dichloroethane	5.69	63	325631	5.697 ug/L	95
21) 2-Butanone	6.69	43	165475	39.451 ug/L	100
22) cis-1,2-Dichloroethene	6.68	96	196781	5.443 ug/L #	98
23) Bromochloromethane	7.05	128	59217	4.313 ug/L #	79
25) Chloroform	7.23	83	288662	4.821 ug/L	98
27) 1,2-Dichloroethane	8.00	62	114914	4.751 ug/L #	93
29) 1,1,1-Trichloroethane	7.44	97	209874	5.674 ug/L	95
30) Cyclohexane	7.52	56	299599	8.219 ug/L	97
31) Carbon tetrachloride	7.64	117	186908	4.808 ug/L	99
33) Benzene	7.91	78	819017	6.020 ug/L	100
34) Trichloroethene	8.71	95	183329	5.680 ug/L	95
35) Methylcyclohexane	8.96	83	335222	7.652 ug/L	98
37) 1,2-Dichloropropane	8.99	63	173903	5.592 ug/L #	96
38) Bromodichloromethane	9.28	83	156915	5.070 ug/L	96
39) cis-1,3-Dichloropropene	9.72	75	192313	6.275 ug/L	99
40) 4-Methyl-2-pentanone	9.86	43	476317	50.958 ug/L	99

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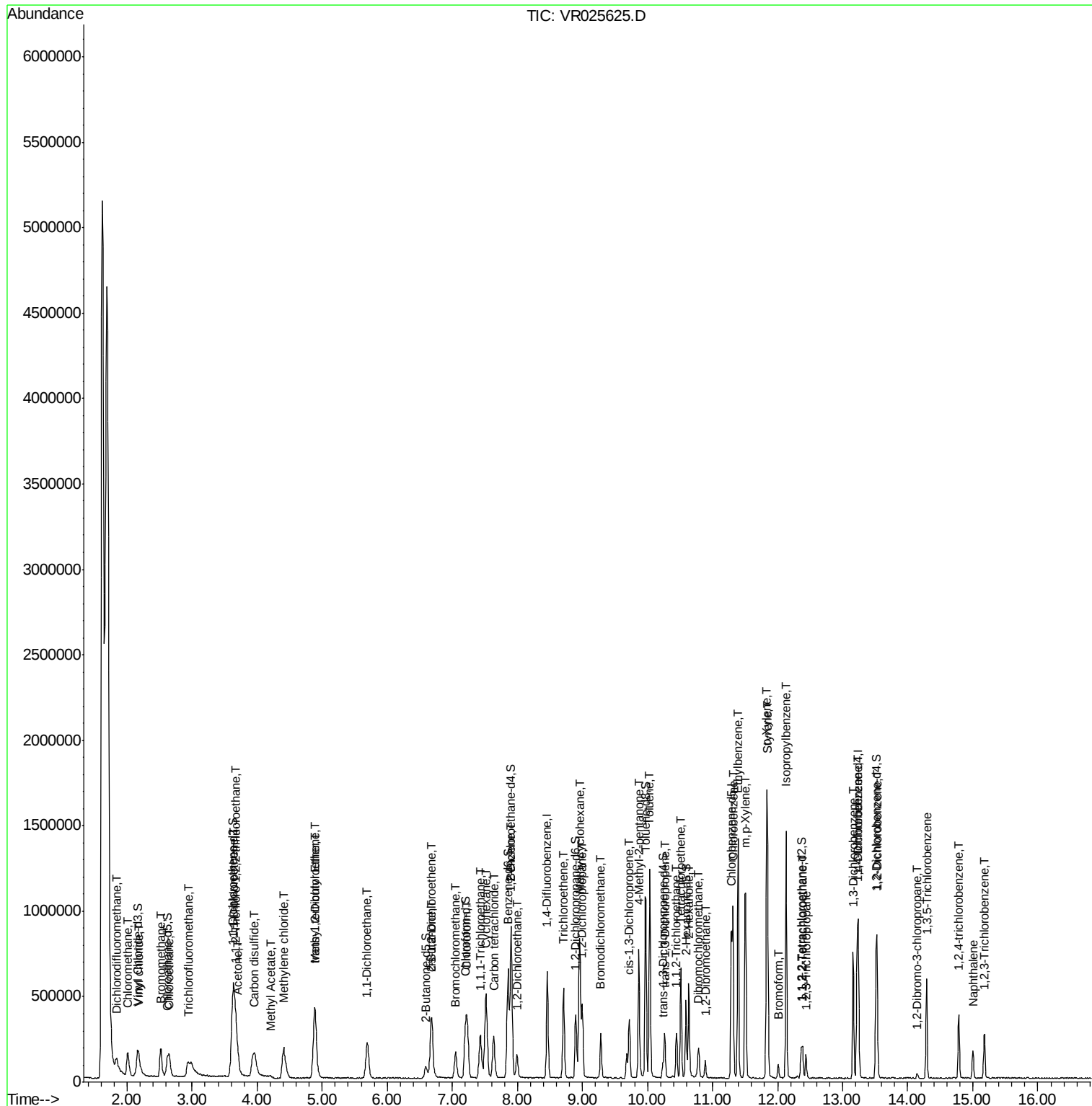
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.03	91	826131	5.633	ug/L	98
44) trans-1,3-Dichloropropene	10.27	75	131371	5.776	ug/L	95
45) 1,1,2-Trichloroethane	10.44	97	80171	4.870	ug/L	96
47) Tetrachloroethene	10.52	164	142124	4.985	ug/L	95
48) 2-Hexanone	10.64	43	324264	49.475	ug/L	97
49) Dibromochloromethane	10.78	129	89679	4.602	ug/L	94
50) 1,2-Dibromoethane	10.89	107	63759	4.537	ug/L	83
51) Chlorobenzene	11.31	112	485034	5.185	ug/L	99
52) Ethylbenzene	11.39	91	888150	6.005	ug/L	96
53) m,p-Xylene	11.51	106	354315	6.052	ug/L	98
54) o-Xylene	11.83	106	323293	5.925	ug/L	97
55) Styrene	11.85	104	525067	5.835	ug/L	99
56) Isopropylbenzene	12.13	105	844379	6.430	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.38	83	82953	5.010	ug/L #	97
59) 1,2,3-Trichloropropane	12.44	75	55340	5.362	ug/L	89
61) Bromoform	12.01	173	33256	3.941	ug/L #	99
62) 1,3-Dichlorobenzene	13.16	146	272552	5.216	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	299644	4.749	ug/L	94
65) 1,2-Dichlorobenzene	13.53	146	238544	4.791	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.15	75	6310	4.232	ug/L	94
67) 1,3,5-Trichlorobenzene	14.29	180	163098	4.636	ug/L	99
68) 1,2,4-trichlorobenzene	14.79	180	99317	4.582	ug/L	98
69) Naphthalene	15.00	128	120173	4.735	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	78517	4.265	ug/L	98

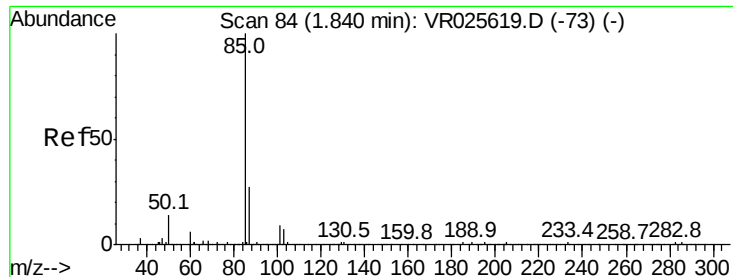
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.764 ug/L

RT: 1.83 min Scan# 83

Delta R.T. -0.01 min

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Acq: 21 Aug 2018 13:09

Instrument :

MSVOA_R

ClientSampleId :

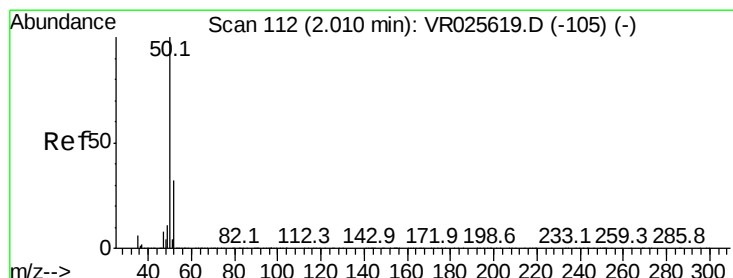
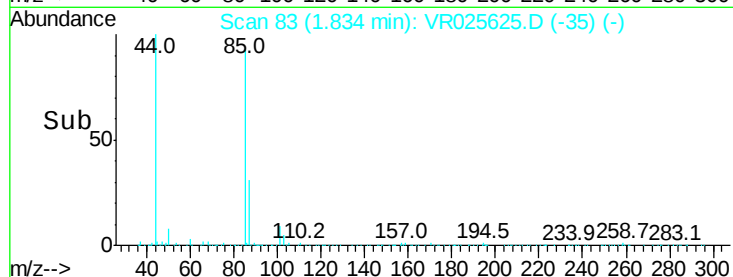
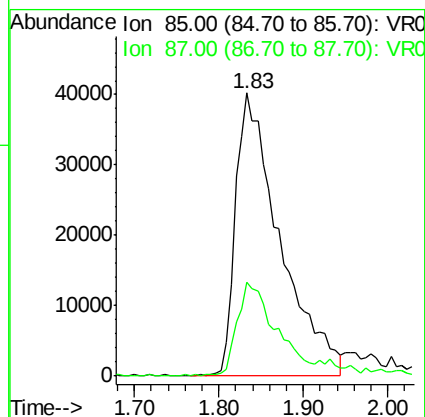
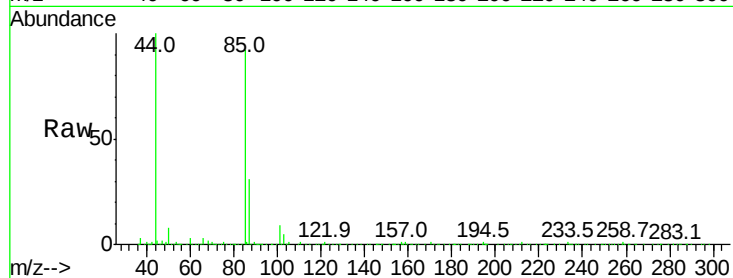
VSTD00583

Tgt Ion: 85 Resp: 143963

Ion Ratio Lower Upper

85 100

87 29.4 23.4 35.0



#3

Chloromethane

Concen: 4.754 ug/L

RT: 2.01 min Scan# 112

Delta R.T. -0.00 min

Lab File: VR025625.D

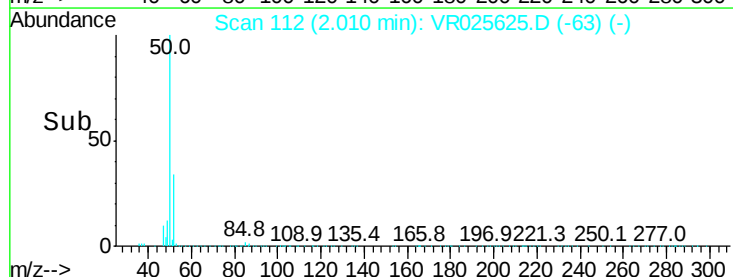
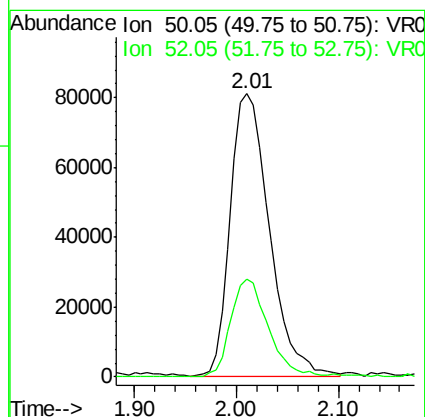
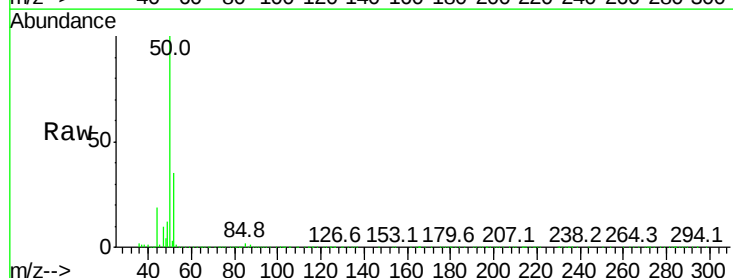
Acq: 21 Aug 2018 13:09

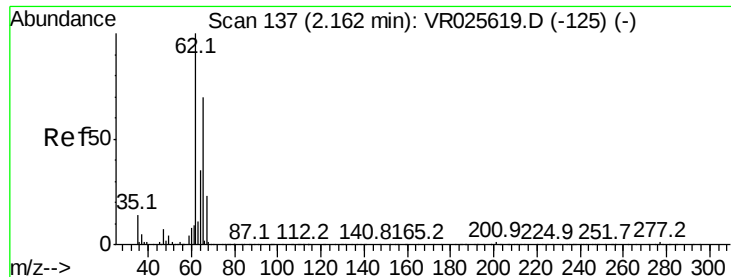
Tgt Ion: 50 Resp: 216256

Ion Ratio Lower Upper

50 100

52 34.6 22.0 41.0





#5

Vinyl chloride

Concen: 5.162 ug/L

RT: 2.17 min Scan# 139

Delta R.T. 0.01 min

Lab File: VR025625.D

Acq: 21 Aug 2018 13:09

Instrument :

MSVOA_R

ClientSampleId :

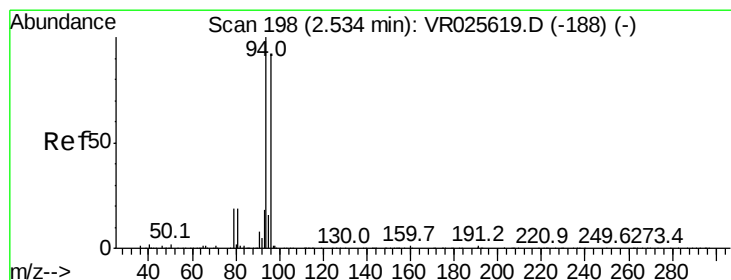
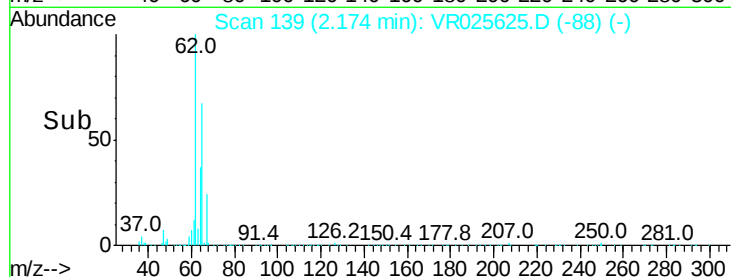
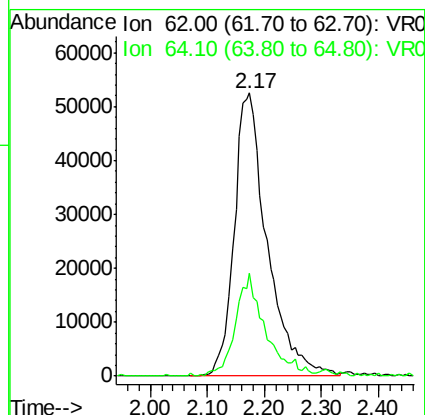
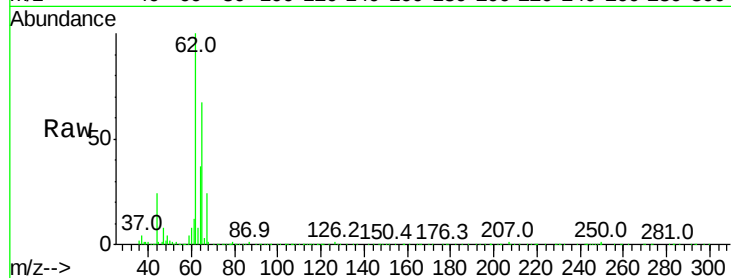
VSTD00583

Tgt Ion: 62 Resp: 211491

Ion Ratio Lower Upper

62 100

64 36.5 24.4 45.2



#6

Bromomethane

Concen: 7.129 ug/L

RT: 2.52 min Scan# 196

Delta R.T. -0.01 min

Lab File: VR025625.D

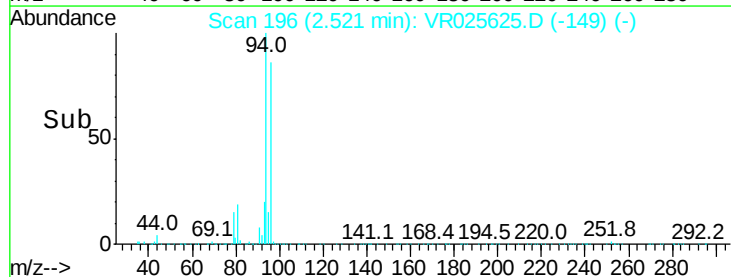
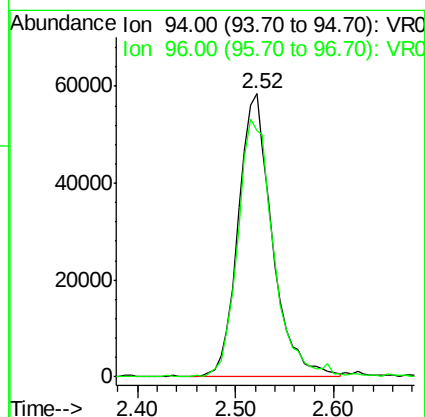
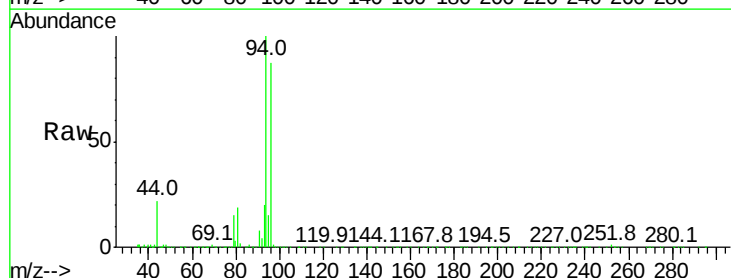
Acq: 21 Aug 2018 13:09

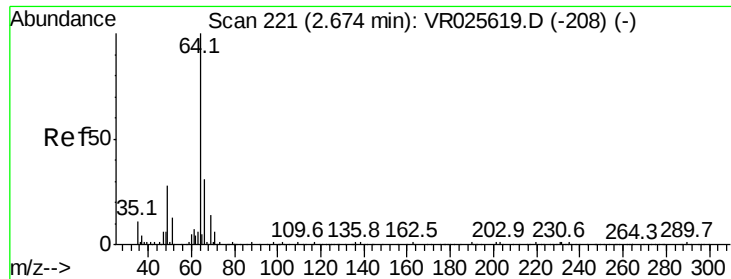
Tgt Ion: 94 Resp: 141049

Ion Ratio Lower Upper

94 100

96 86.8 64.2 119.2





#8

Chloroethane

Concen: 6.011 ug/L

RT: 2.65 min Scan# 217

Delta R.T. -0.02 min

Lab File: VR025625.D

Acq: 21 Aug 2018 13:09

Instrument :

MSVOA_R

ClientSampleId :

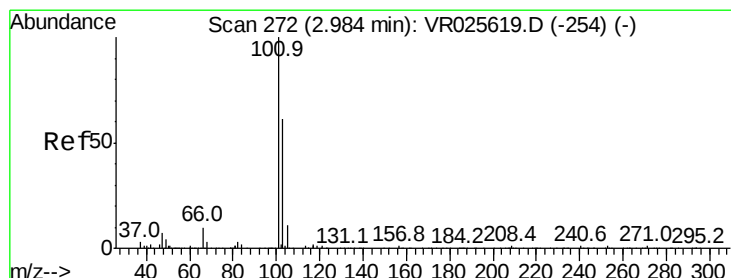
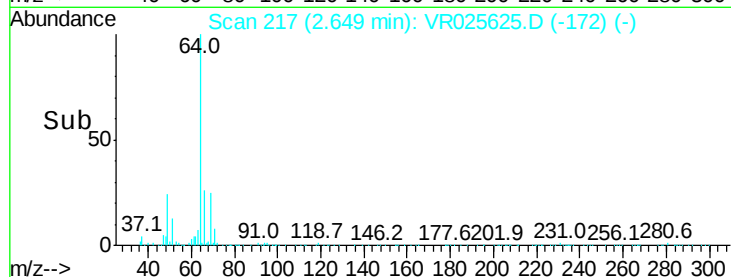
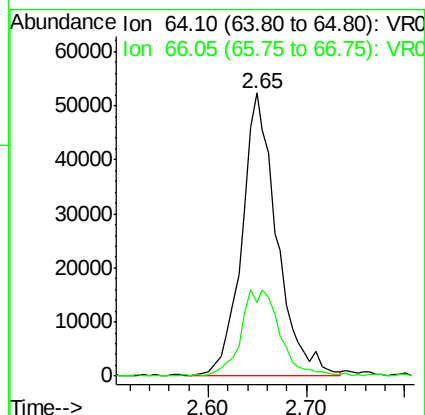
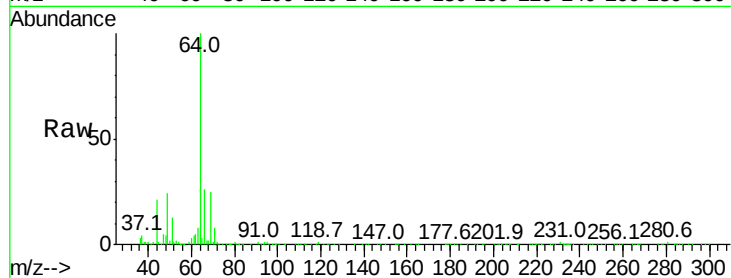
VSTD00583

Tgt Ion: 64 Resp: 130065

Ion Ratio Lower Upper

64 100

66 26.0 22.3 41.5



#9

Trichlorofluoromethane

Concen: 1.837 ug/L

RT: 2.94 min Scan# 265

Delta R.T. -0.04 min

Lab File: VR025625.D

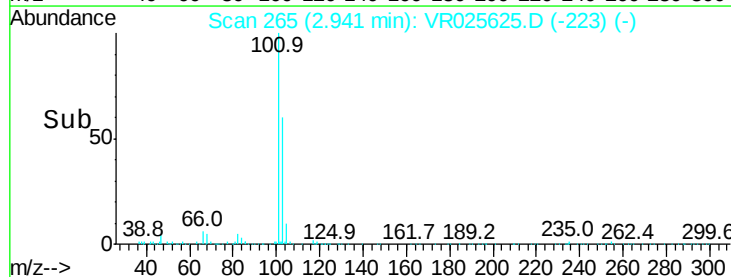
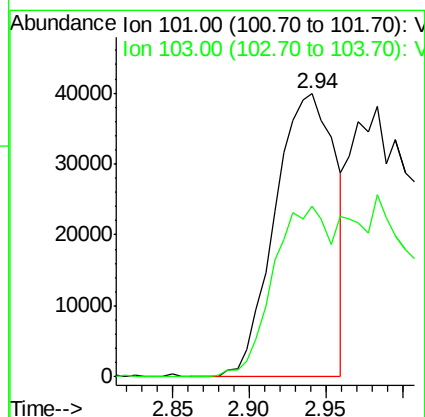
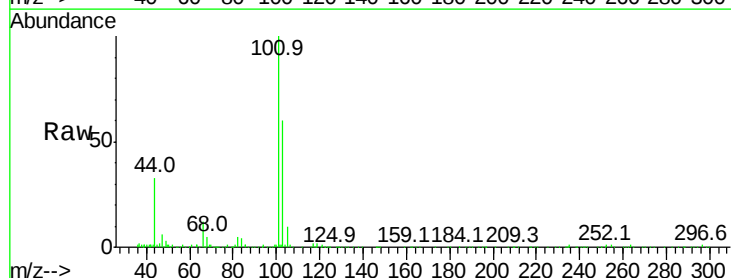
Acq: 21 Aug 2018 13:09

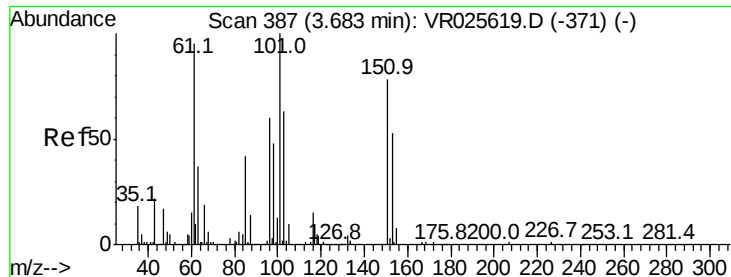
Tgt Ion: 101 Resp: 109376

Ion Ratio Lower Upper

101 100

103 55.4 52.2 78.4





#10

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

Concen: 4.896 ug/L

RT: 3.67 min Scan# 385

Delta R.T. -0.01 min

Lab File: VR025625.D

Acq: 21 Aug 2018 13:09

Instrument :

MSVOA_R

ClientSampleId :

VSTD00583

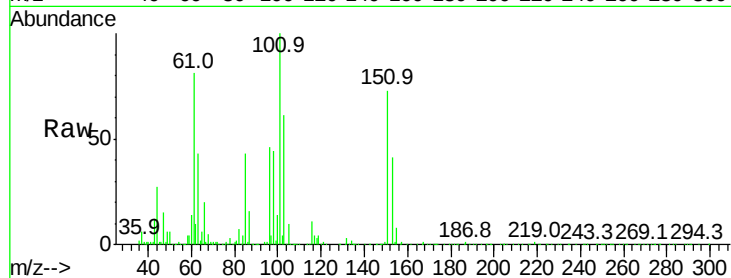
Tgt Ion: 101 Resp: 188527

Ion Ratio Lower Upper

101 100

85 44.5 36.2 54.2

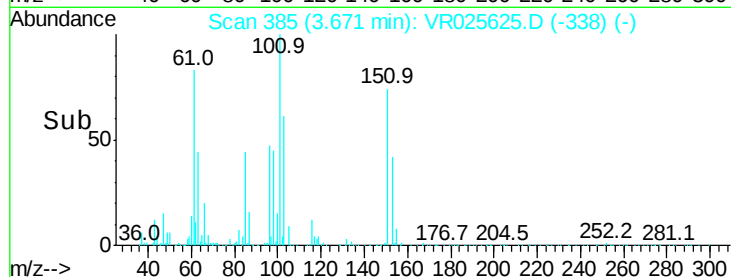
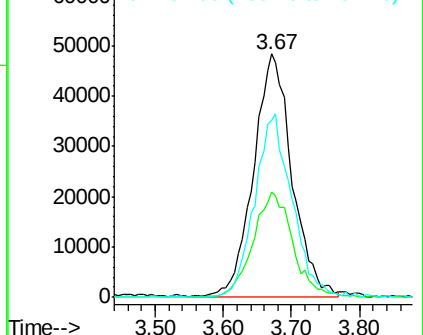
151 73.9 65.9 98.9



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: 4.535 ug/L

RT: 3.63 min Scan# 379

Delta R.T. -0.02 min

Lab File: VR025625.D

Acq: 21 Aug 2018 13:09

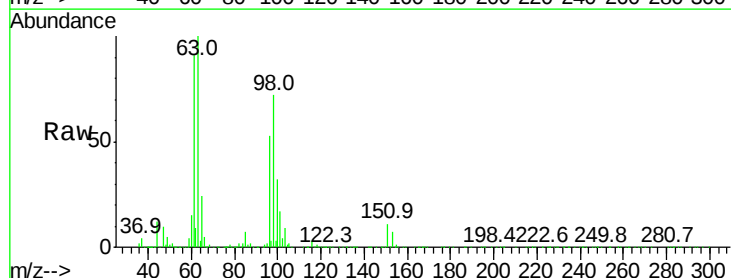
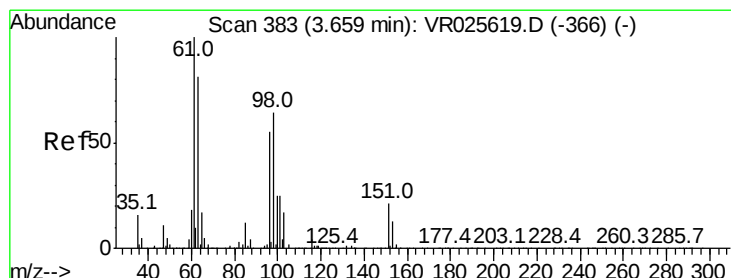
Tgt Ion: 96 Resp: 193113

Ion Ratio Lower Upper

96 100

61 171.2 126.6 235.0

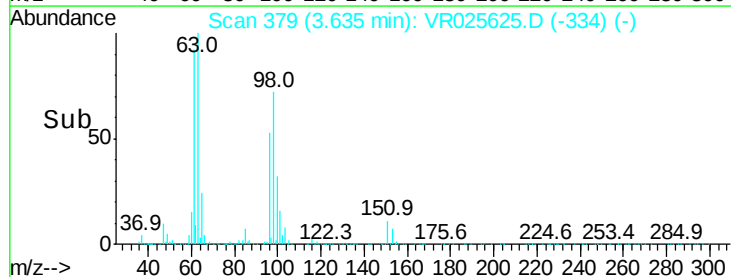
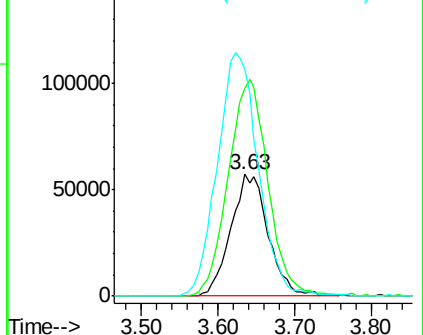
63 187.3 102.8 190.8

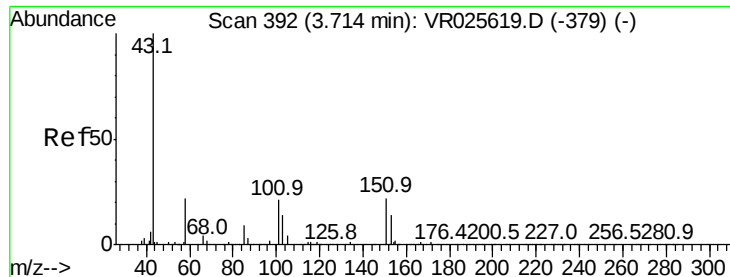


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 25.476 ug/L

RT: 3.70 min Scan# 390

Delta R.T. -0.01 min

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ClientSampleId :

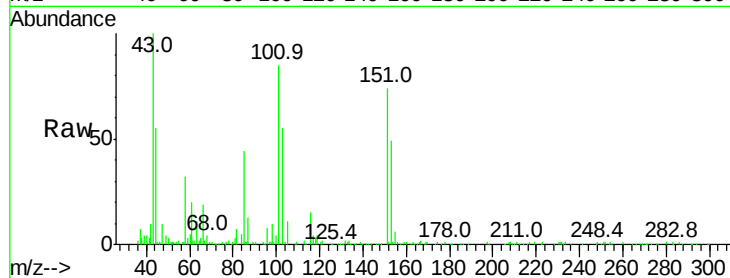
VSTD00583

Tgt Ion: 43 Resp: 87891

Ion Ratio Lower Upper

43 100

58 31.7 0.0 55.0



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

3.70

25000

20000

15000

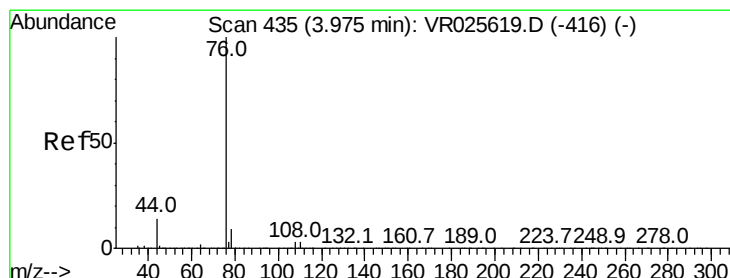
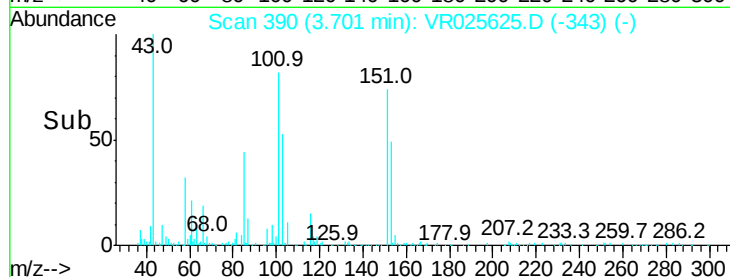
10000

5000

0

Time-->

3.60 3.70 3.80



#14

Carbon disulfide

Concen: 6.206 ug/L

RT: 3.96 min Scan# 432

Delta R.T. -0.02 min

Lab File: VR025625.D

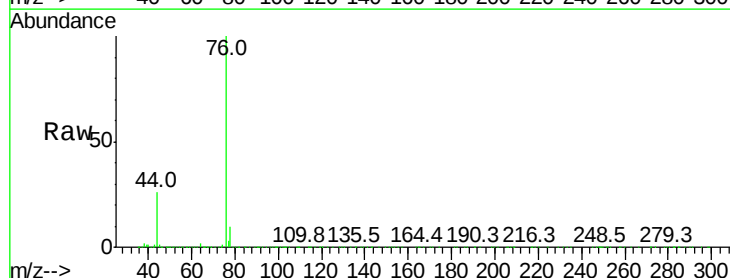
Acq: 21 Aug 2018 13:09

Tgt Ion: 76 Resp: 545148

Ion Ratio Lower Upper

76 100

78 10.1 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

3.96

120000

100000

80000

60000

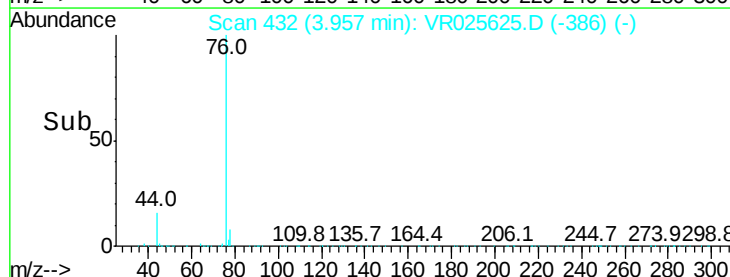
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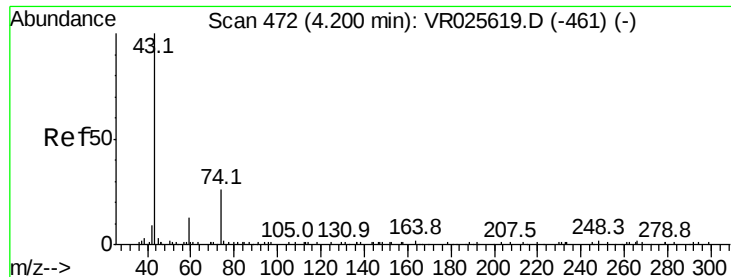
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0

Time-->

3.80 4.00 4.20

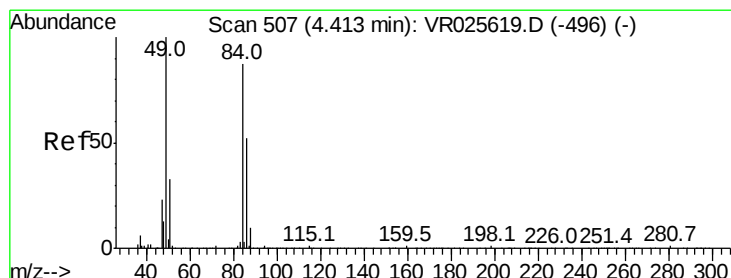
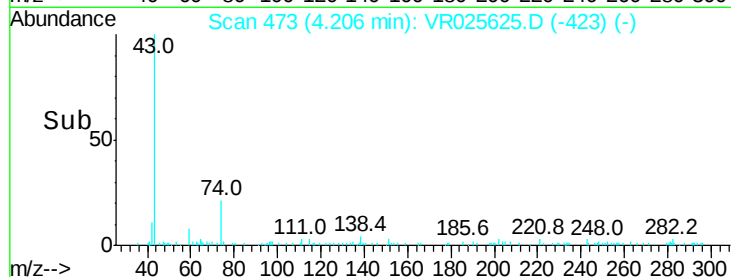
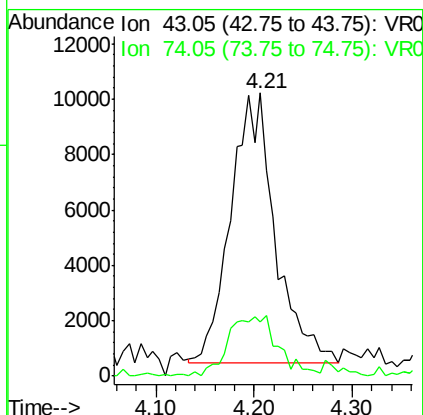
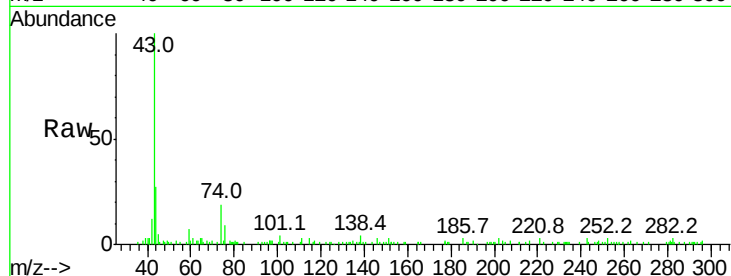




#15
Methyl Acetate
Concen: 3.379 ug/L
RT: 4.21 min Scan# 473
Delta R.T. 0.01 min
Lab File: VR025625.D
Acq: 21 Aug 2018 13:09

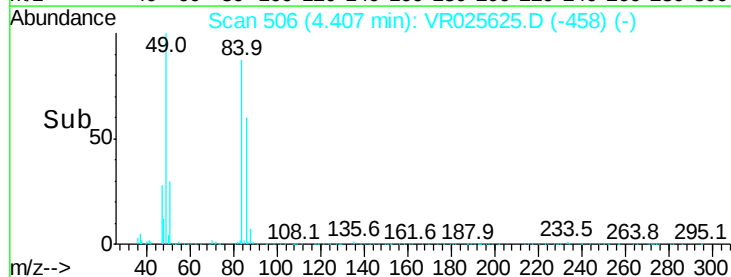
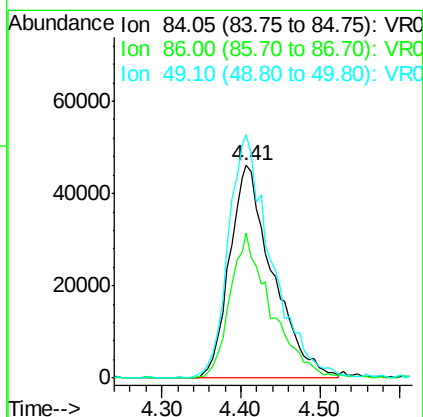
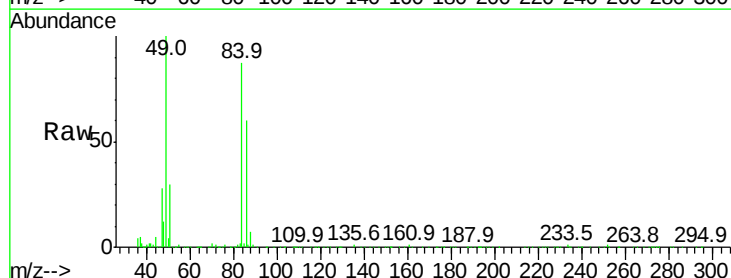
Instrument :
MSVOA_R
ClientSampleId :
VSTD00583

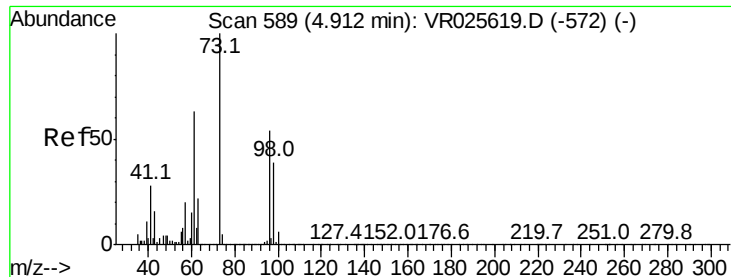
Tgt Ion: 43 Resp: 30665
Ion Ratio Lower Upper
43 100
74 24.7 19.7 29.5



#16
Methylene chloride
Concen: 4.425 ug/L
RT: 4.41 min Scan# 506
Delta R.T. -0.01 min
Lab File: VR025625.D
Acq: 21 Aug 2018 13:09

Tgt Ion: 84 Resp: 174486
Ion Ratio Lower Upper
84 100
86 68.4 42.0 78.0
49 114.7 80.7 149.9





#17

Methyl tert-butyl Ether

Concen: 4.879 ug/L

RT: 4.89 min Scan# 586

Delta R.T. -0.02 min

Lab File: VR025625.D

Acq: 21 Aug 2018 13:09

Instrument :

MSVOA_R

ClientSampleId :

VSTD00583

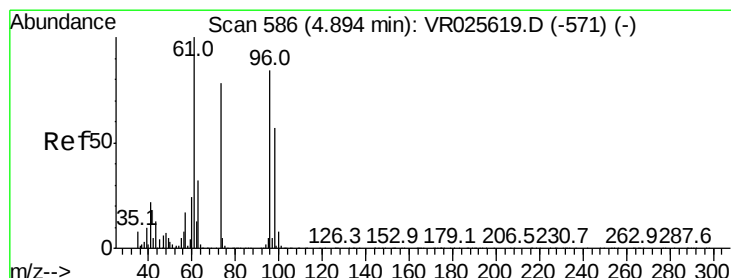
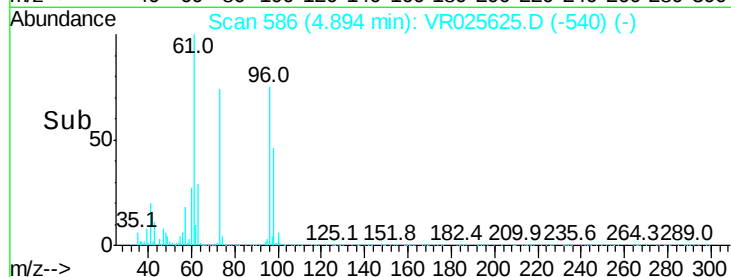
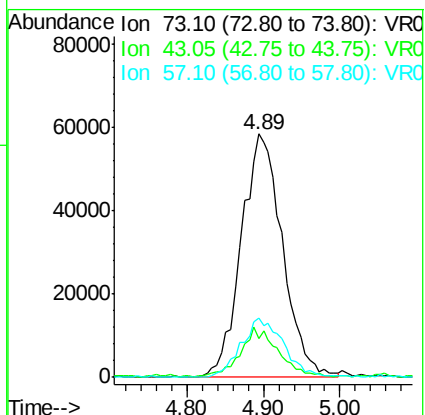
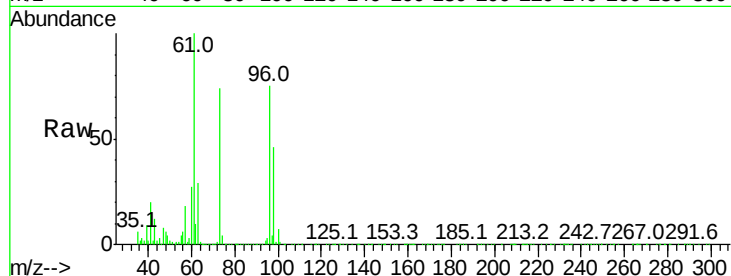
Tgt Ion: 73 Resp: 218359

Ion Ratio Lower Upper

73 100

43 18.5 14.7 22.1

57 24.9 17.9 26.9



#18

trans-1,2-Dichloroethene

Concen: 5.400 ug/L

RT: 4.89 min Scan# 585

Delta R.T. -0.01 min

Lab File: VR025625.D

Acq: 21 Aug 2018 13:09

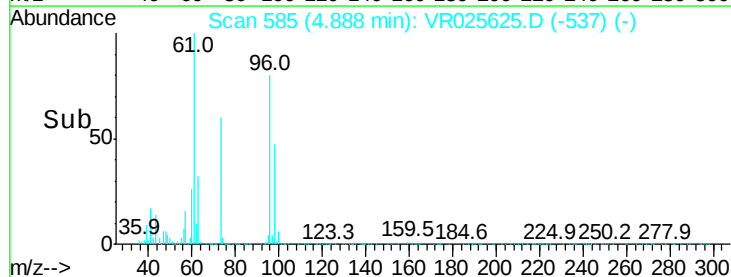
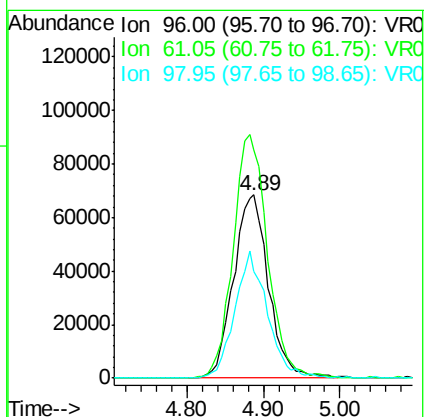
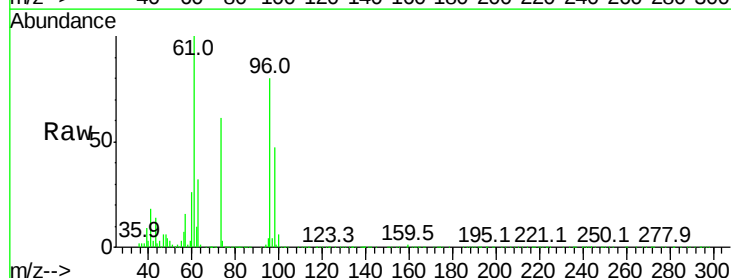
Tgt Ion: 96 Resp: 216917

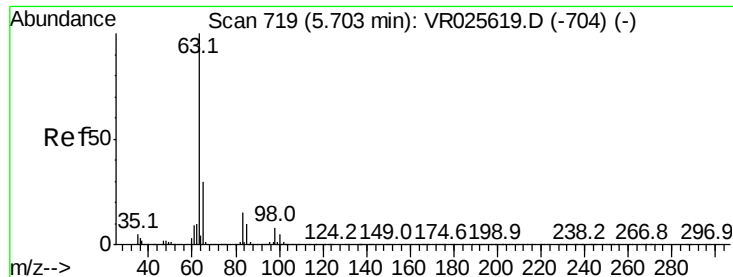
Ion Ratio Lower Upper

96 100

61 125.0 82.9 153.9

98 58.7 47.0 87.2

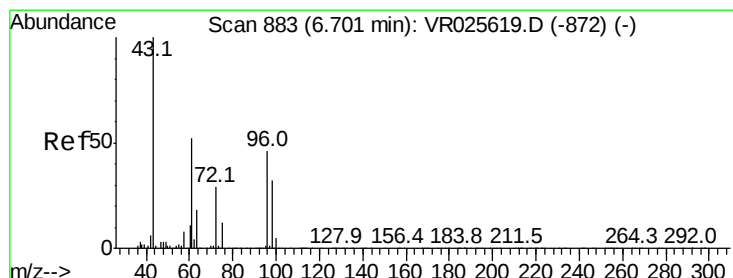
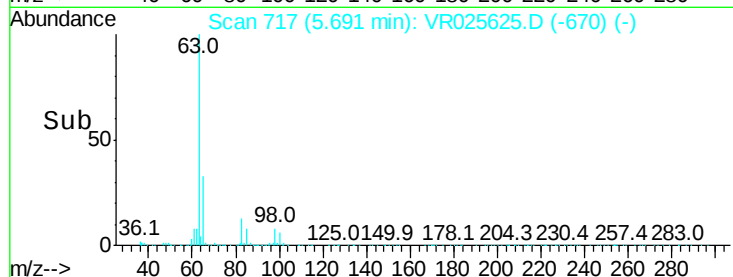
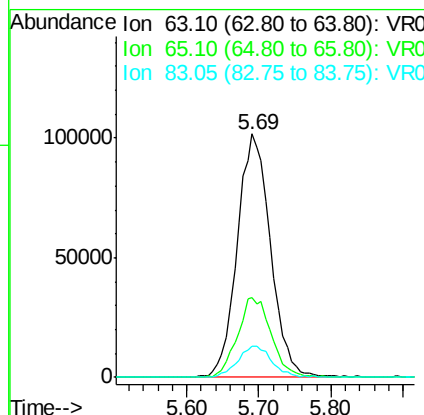
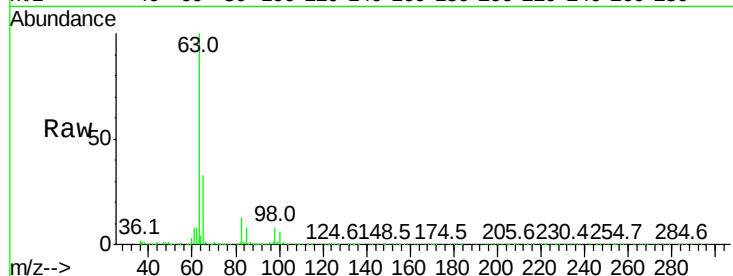




#19
 1,1-Dichloroethane
 Concen: 5.697 ug/L
 RT: 5.69 min Scan# 717
 Delta R.T. -0.01 min
 Lab File: VR025625.D
 Acq: 21 Aug 2018 13:09

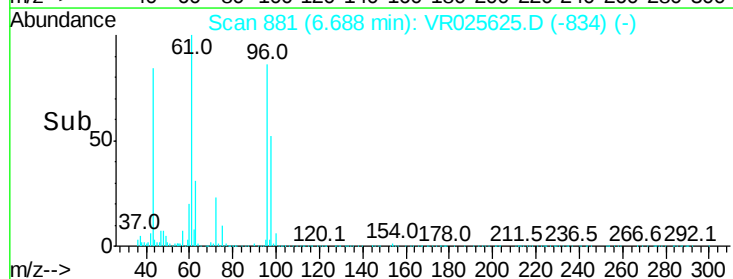
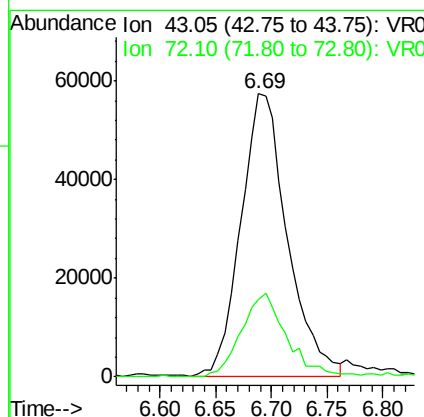
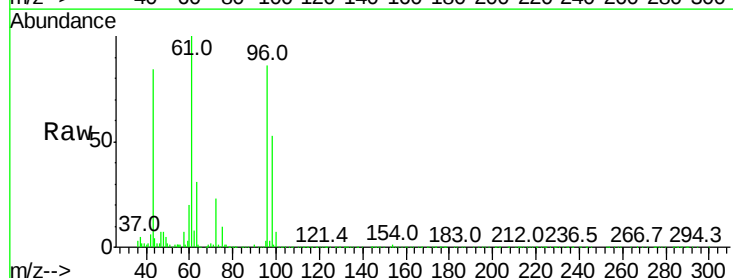
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00583

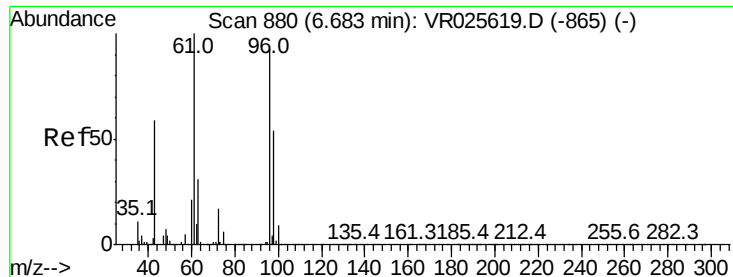
Tgt Ion:	63	Resp:	325631
Ion	Ratio	Lower	Upper
63	100		
65	32.7	20.8	38.6
83	13.0	10.2	19.0



#21
 2-Butanone
 Concen: 39.451 ug/L
 RT: 6.69 min Scan# 881
 Delta R.T. -0.01 min
 Lab File: VR025625.D
 Acq: 21 Aug 2018 13:09

Tgt Ion:	43	Resp:	165475
Ion	Ratio	Lower	Upper
43	100		
72	28.6	14.2	42.6



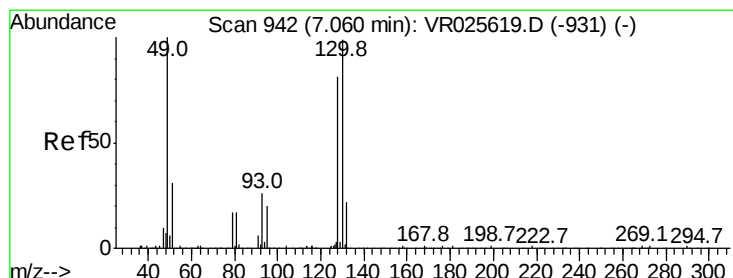
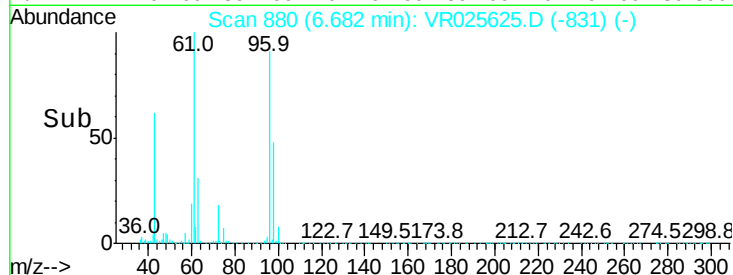
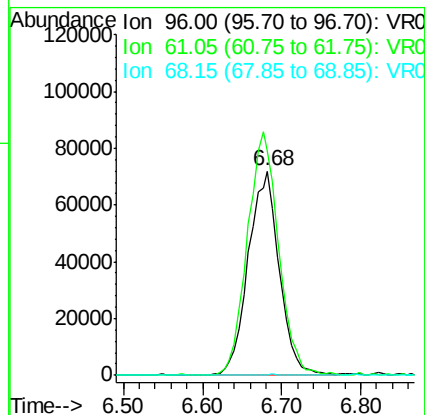
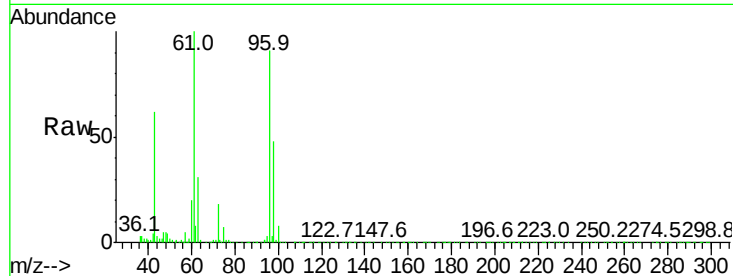


#22

cis-1,2-Dichloroethene
Concen: 5.443 ug/L
RT: 6.68 min Scan# 880
Delta R.T. -0.00 min
Lab File: VR025625.D
Acq: 21 Aug 2018 13:09

Instrument :
MSVOA_R
ClientSampleId :
VSTD00583

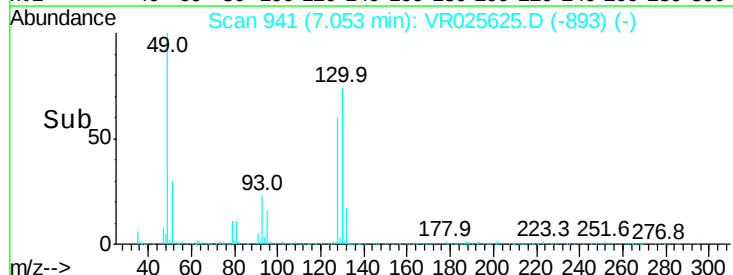
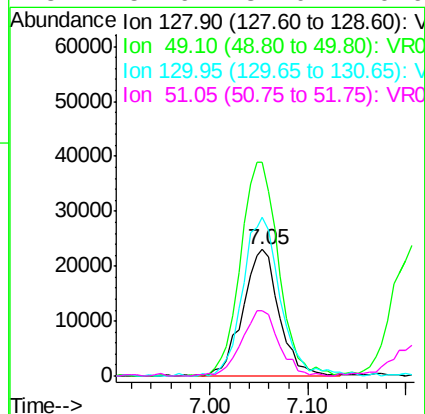
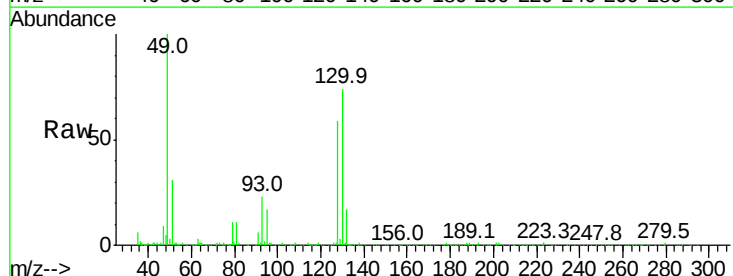
Tgt Ion: 96 Resp: 196781
Ion Ratio Lower Upper
96 100
61 109.6 75.4 140.0
68 0.2 0.1 0.1#

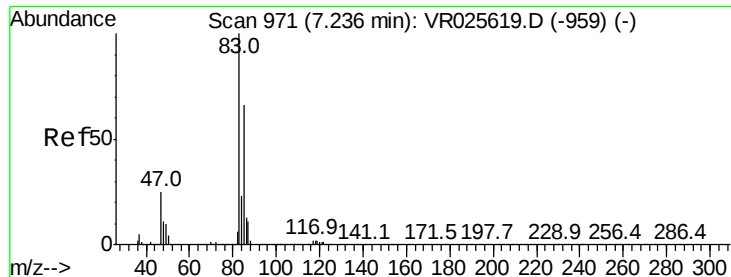


#23

Bromochloromethane
Concen: 4.313 ug/L
RT: 7.05 min Scan# 941
Delta R.T. -0.01 min
Lab File: VR025625.D
Acq: 21 Aug 2018 13:09

Tgt Ion: 128 Resp: 59217
Ion Ratio Lower Upper
128 100
49 168.7 86.4 160.4#
130 125.1 86.0 159.6
51 51.6 31.0 46.6#

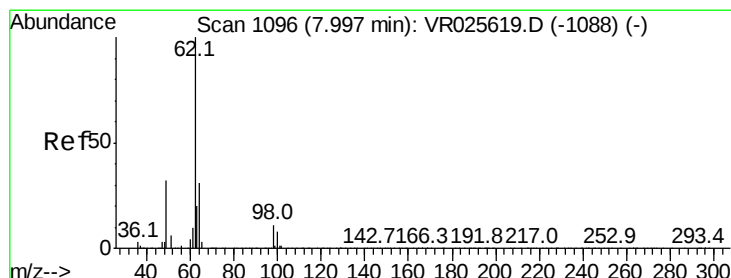
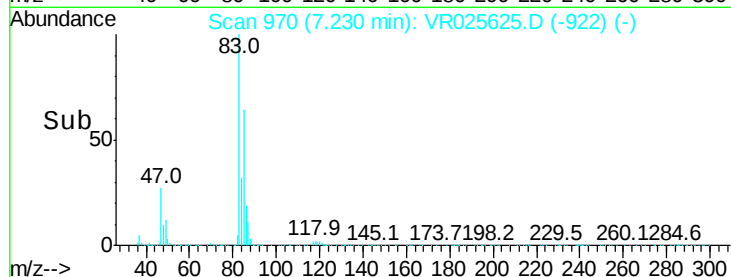
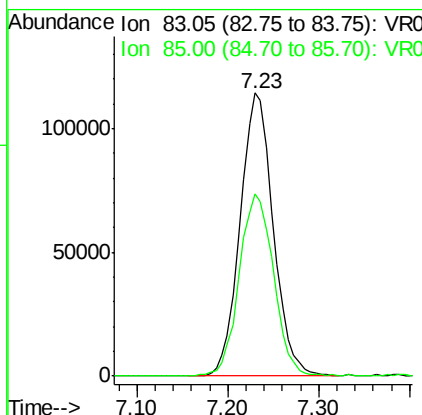
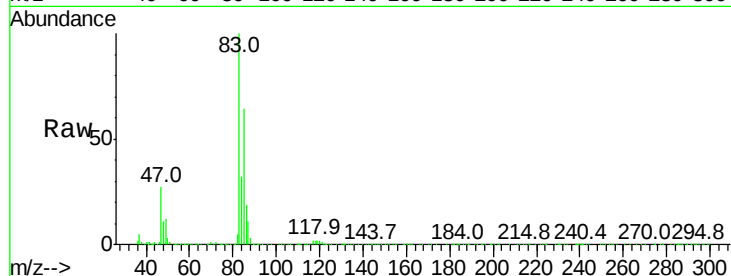




#25
Chloroform
Concen: 4.821 ug/L
RT: 7.23 min Scan# 970
Delta R.T. -0.01 min
Lab File: VR025625.D
Acq: 21 Aug 2018 13:09

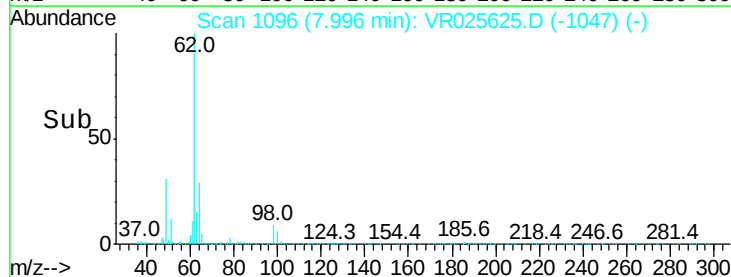
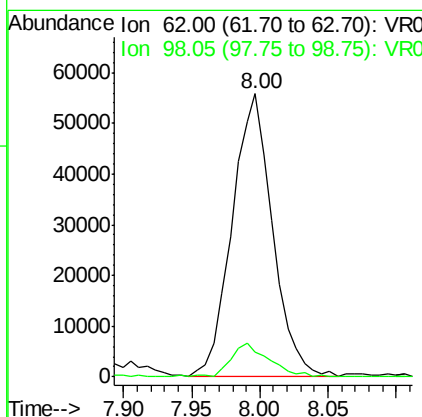
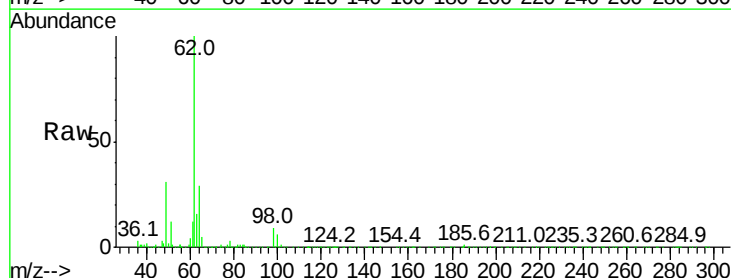
Instrument :
MSVOA_R
ClientSampleId :
VSTD00583

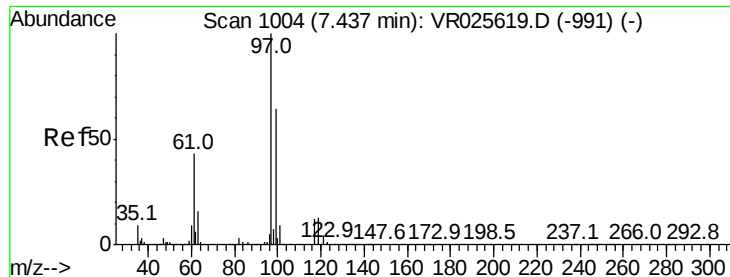
Tgt Ion: 83 Resp: 288662
Ion Ratio Lower Upper
83 100
85 64.4 46.3 86.1



#27
1,2-Dichloroethane
Concen: 4.751 ug/L
RT: 8.00 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VR025625.D
Acq: 21 Aug 2018 13:09

Tgt Ion: 62 Resp: 114914
Ion Ratio Lower Upper
62 100
98 8.9 9.2 13.8#

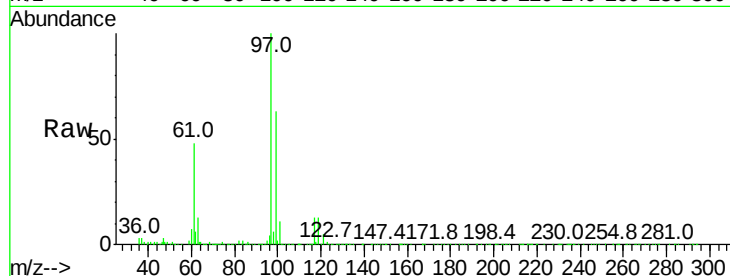




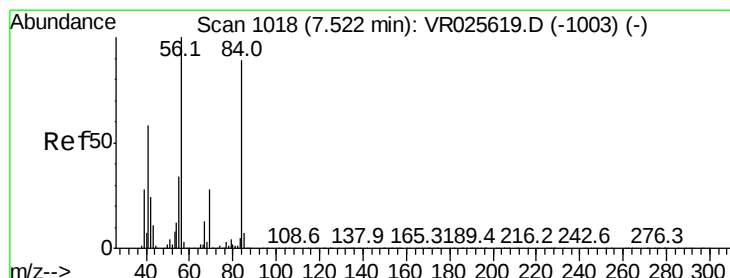
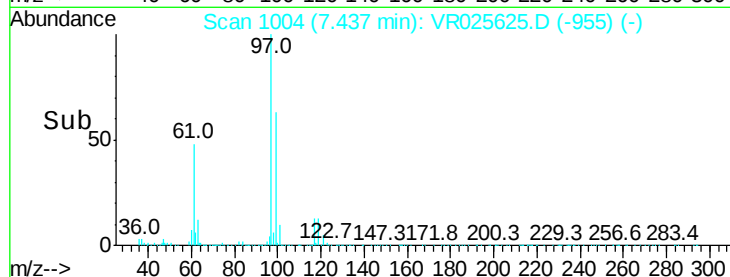
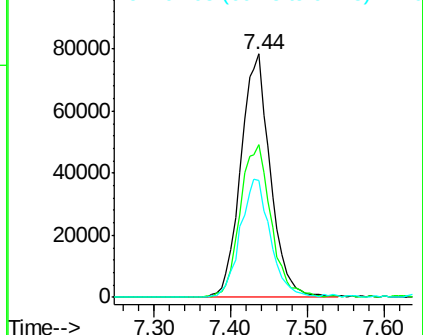
#29
1,1,1-Trichloroethane
Concen: 5.674 ug/L
RT: 7.44 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VR025625.D
Acq: 21 Aug 2018 13:09

Instrument :
MSVOA_R
ClientSampled :
VSTD00583

Tgt Ion: 97 Resp: 209874
Ion Ratio Lower Upper
97 100
99 65.8 52.4 78.6
61 49.5 33.6 50.4

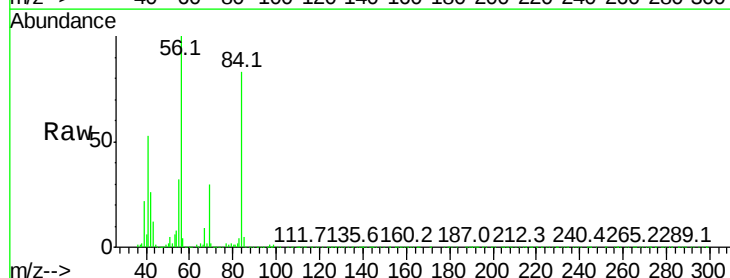


Abundance Ion 96.95 (96.65 to 97.65): VR0
Ion 99.05 (98.75 to 99.75): VR0
Ion 61.05 (60.75 to 61.75): VR0

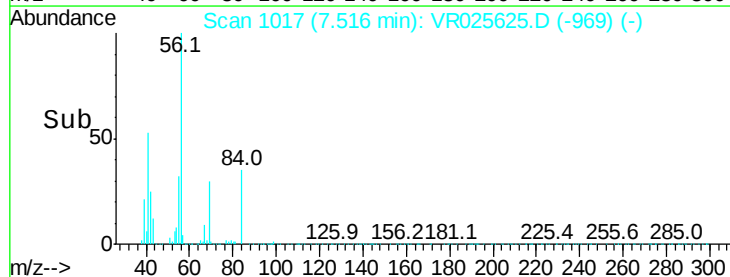
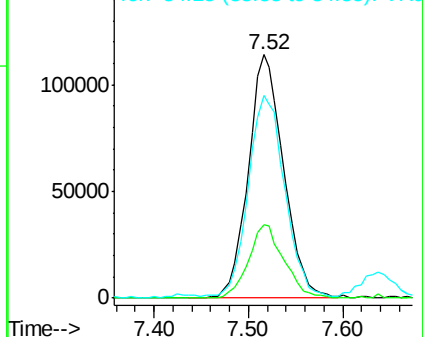


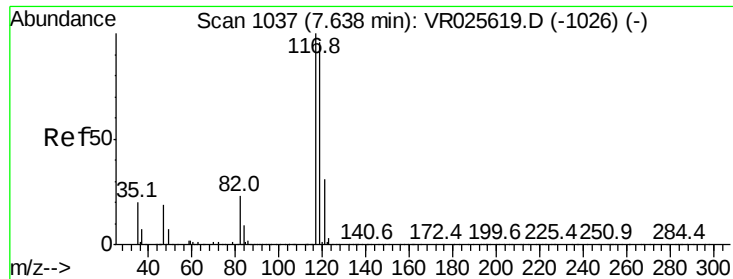
#30
Cyclohexane
Concen: 8.219 ug/L
RT: 7.52 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VR025625.D
Acq: 21 Aug 2018 13:09

Tgt Ion: 56 Resp: 299599
Ion Ratio Lower Upper
56 100
69 29.8 24.6 36.8
84 85.3 70.6 106.0



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: 4.808 ug/L

RT: 7.64 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VR025625.D

Acq: 21 Aug 2018 13:09

Instrument :

MSVOA_R

ClientSampleId :

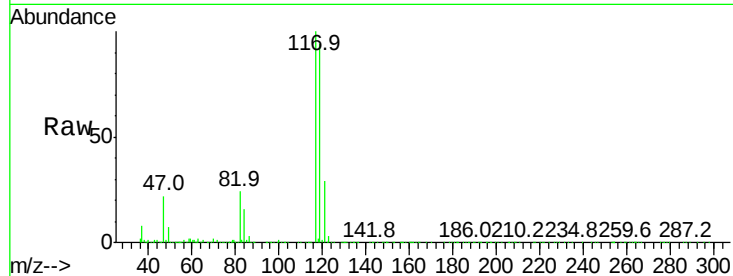
VSTD00583

Tgt Ion:117 Resp: 186908

Ion Ratio Lower Upper

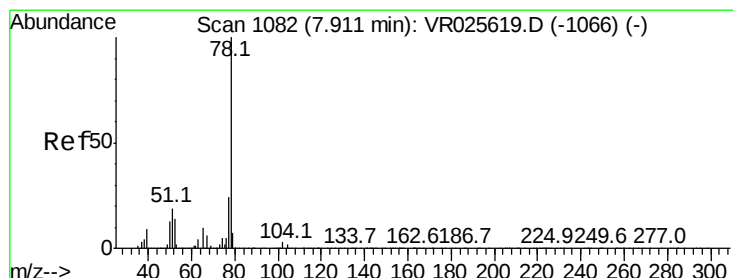
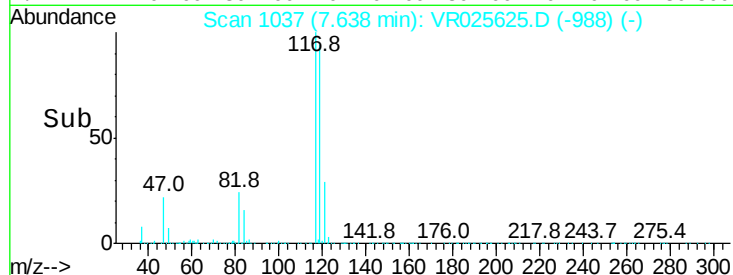
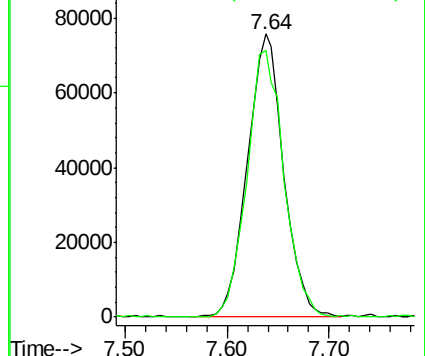
117 100

119 96.3 77.9 116.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 6.020 ug/L

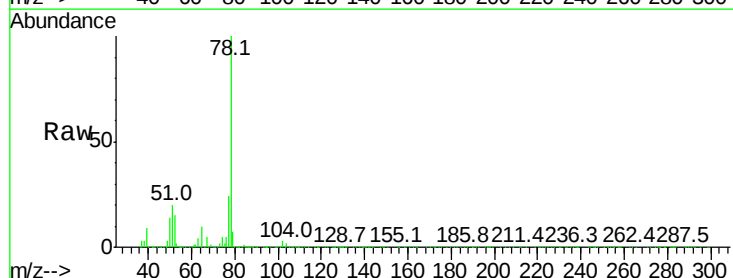
RT: 7.91 min Scan# 1081

Delta R.T. -0.01 min

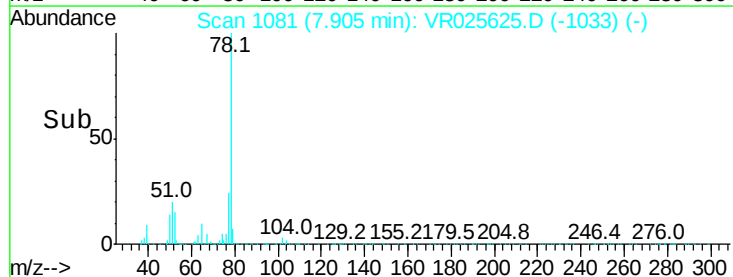
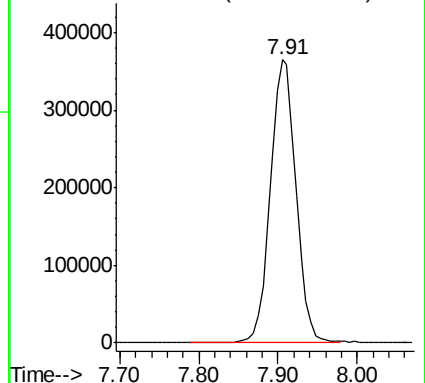
Lab File: VR025625.D

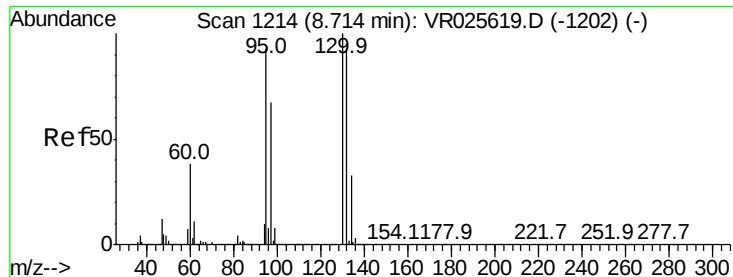
Acq: 21 Aug 2018 13:09

Tgt Ion: 78 Resp: 819017



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 5.680 ug/L

RT: 8.71 min Scan# 1213

Delta R.T. -0.01 min

Lab File: VR025625.D

Acq: 21 Aug 2018 13:09

Instrument :

MSVOA_R

ClientSampleId :

VSTD00583

Tgt Ion: 95 Resp: 183329

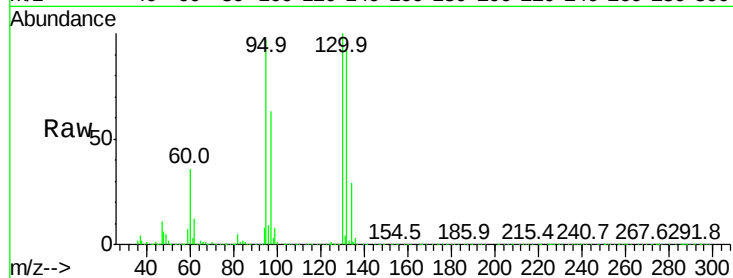
Ion Ratio Lower Upper

95 100

97 65.3 50.5 93.9

132 95.1 69.8 129.6

130 103.1 75.3 139.9

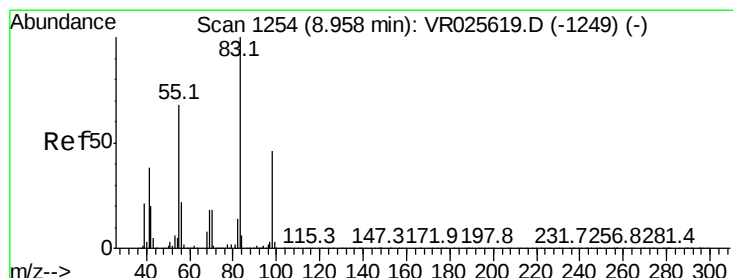
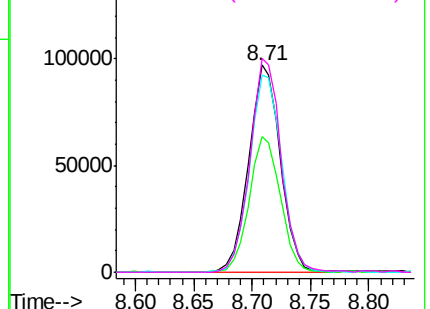
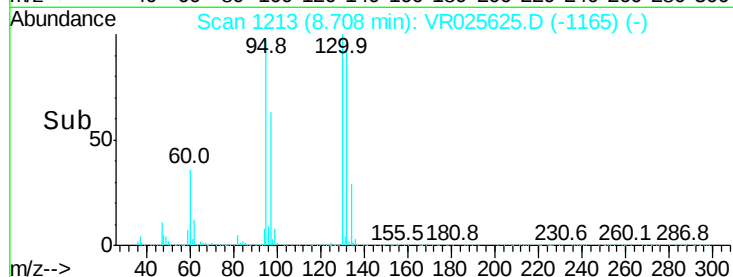


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 7.652 ug/L

RT: 8.96 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VR025625.D

Acq: 21 Aug 2018 13:09

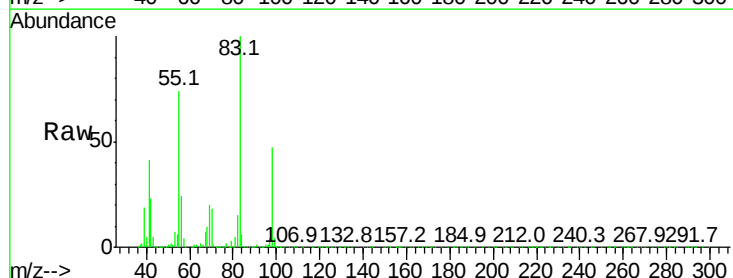
Tgt Ion: 83 Resp: 335222

Ion Ratio Lower Upper

83 100

55 70.9 57.0 85.6

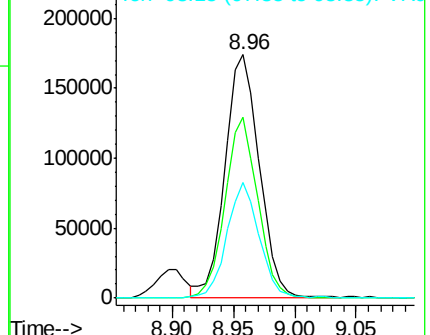
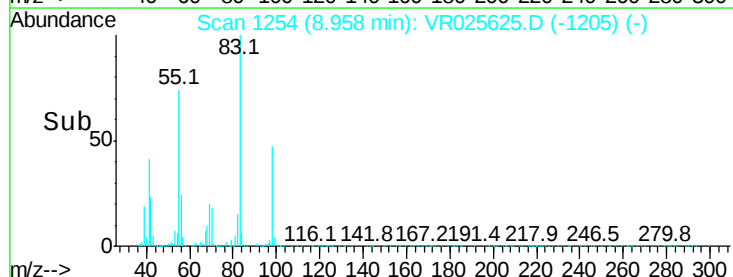
98 44.8 37.9 56.9

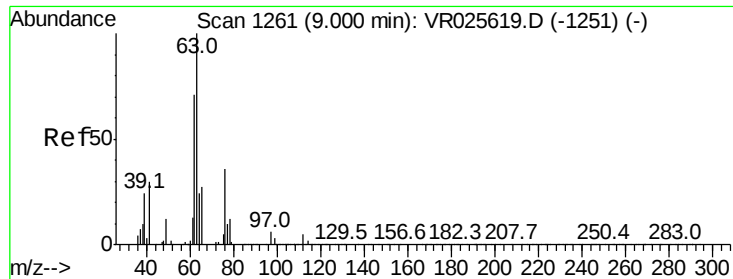


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 5.592 ug/L

RT: 8.99 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VR025625.D

Acq: 21 Aug 2018 13:09

Instrument :

MSVOA_R

ClientSampled :

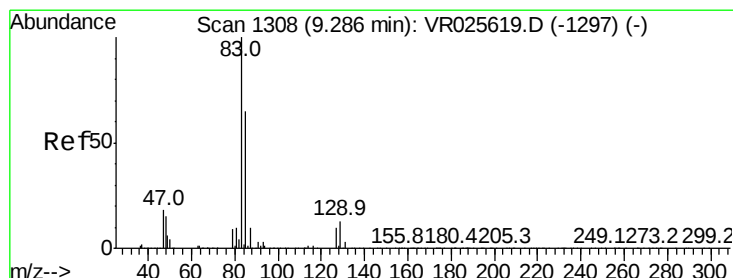
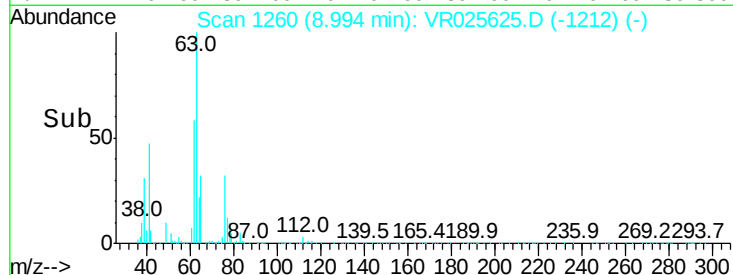
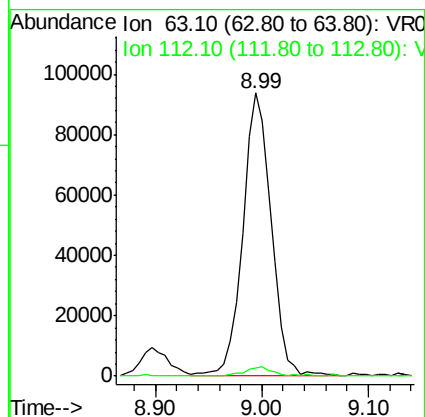
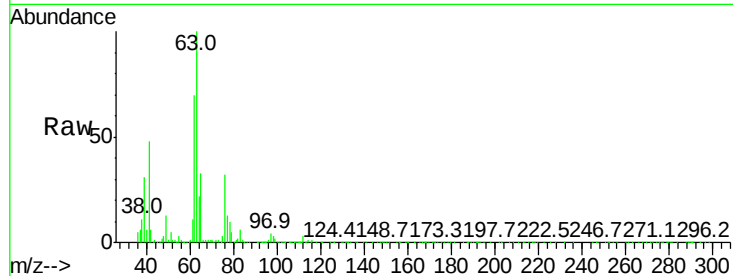
VSTD00583

Tgt Ion: 63 Resp: 173903

Ion Ratio Lower Upper

63 100

112 3.1 3.4 5.2#



#38

Bromodichloromethane

Concen: 5.070 ug/L

RT: 9.28 min Scan# 1307

Delta R.T. -0.01 min

Lab File: VR025625.D

Acq: 21 Aug 2018 13:09

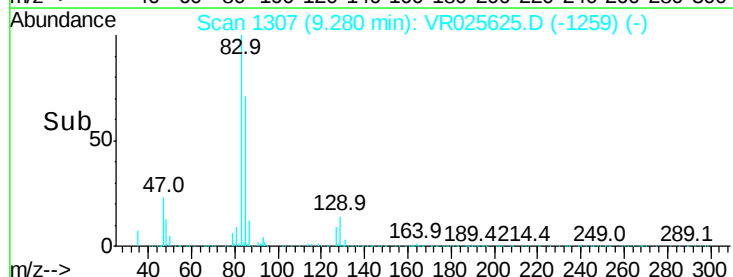
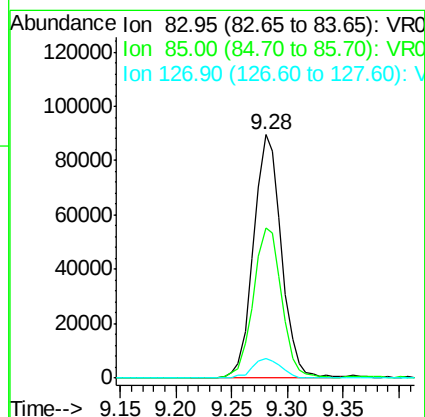
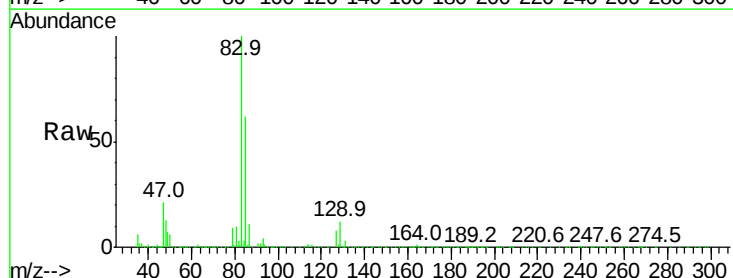
Tgt Ion: 83 Resp: 156915

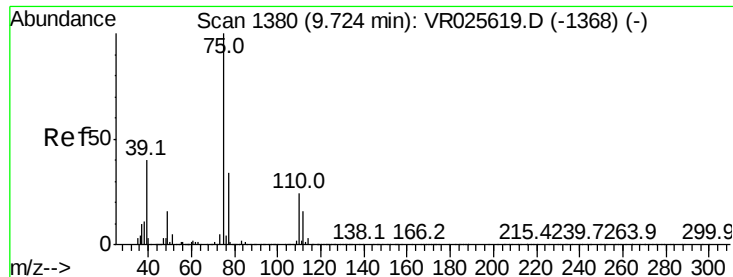
Ion Ratio Lower Upper

83 100

85 61.7 45.4 84.4

127 8.0 7.8 11.8





#39

cis-1,3-Dichloropropene

Concen: 6.275 ug/L

RT: 9.72 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VR025625.D

Acq: 21 Aug 2018 13:09

Instrument :

MSVOA_R

ClientSampleId :

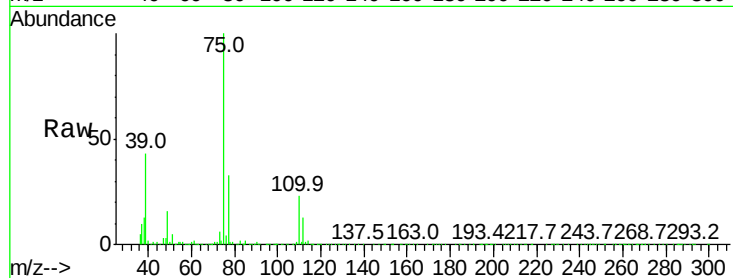
VSTD00583

Tgt Ion: 75 Resp: 192313

Ion Ratio Lower Upper

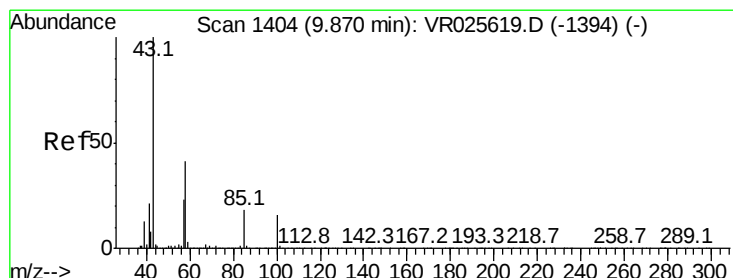
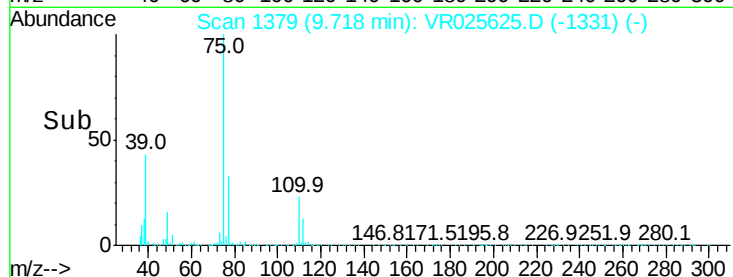
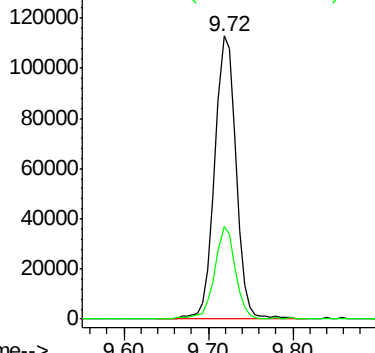
75 100

77 32.8 23.5 43.7



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0



#40

4-Methyl-2-pentanone

Concen: 50.958 ug/L

RT: 9.86 min Scan# 1403

Delta R.T. -0.01 min

Lab File: VR025625.D

Acq: 21 Aug 2018 13:09

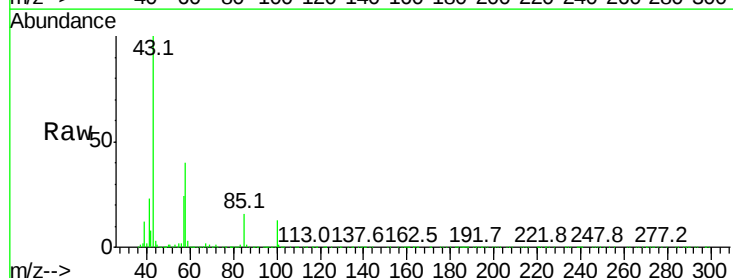
Tgt Ion: 43 Resp: 476317

Ion Ratio Lower Upper

43 100

58 39.3 31.4 47.2

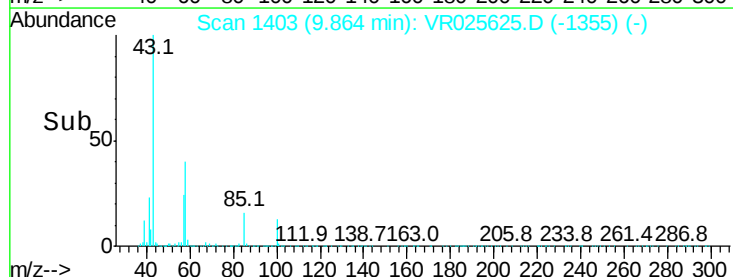
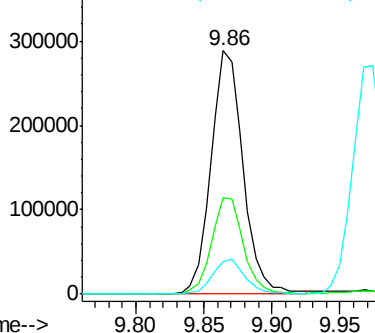
100 14.4 12.4 18.6

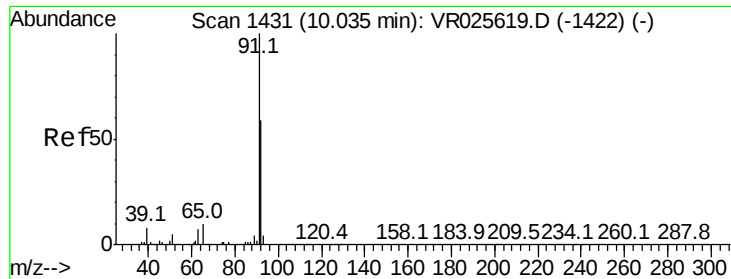


Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0





#42

Toluene

Concen: 5.633 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VR025625.D

Acq: 21 Aug 2018 13:09

Instrument :

MSVOA_R

ClientSampleId :

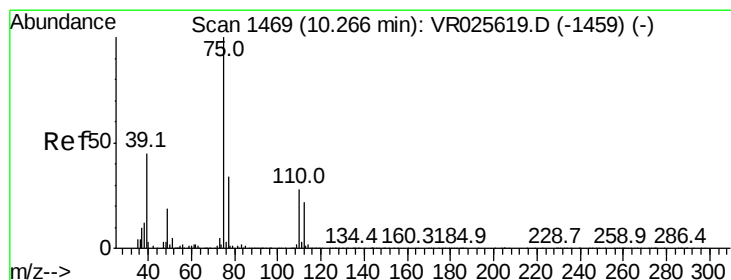
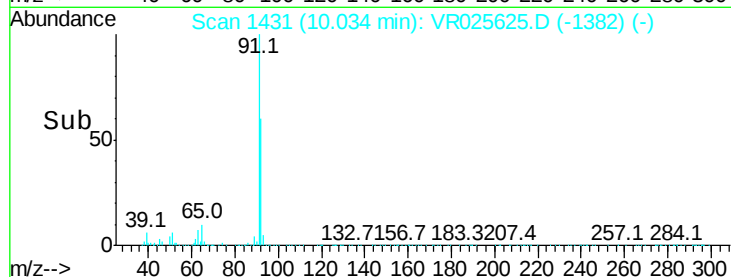
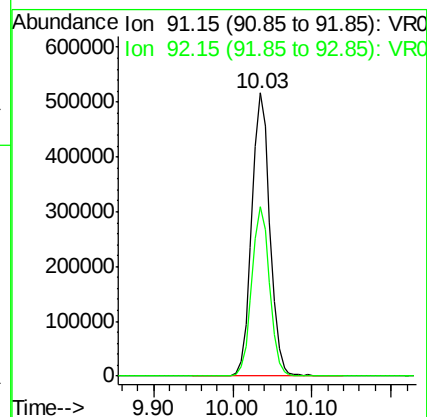
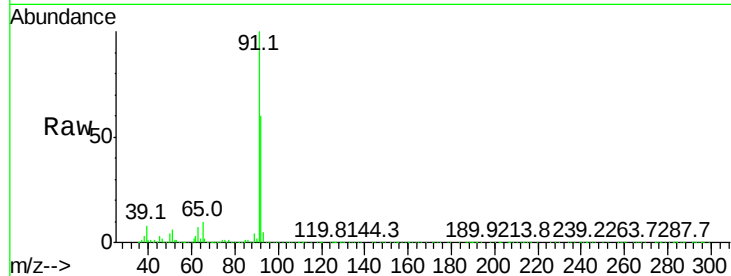
VSTD00583

Tgt Ion: 91 Resp: 826131

Ion Ratio Lower Upper

91 100

92 60.0 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 5.776 ug/L

RT: 10.27 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VR025625.D

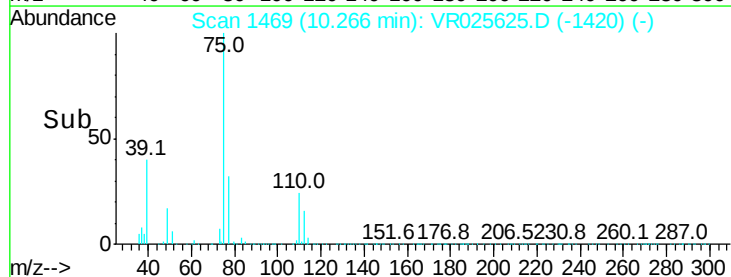
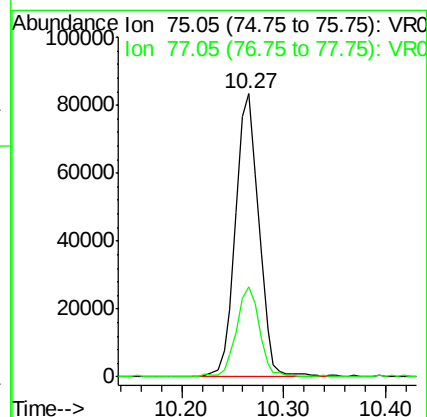
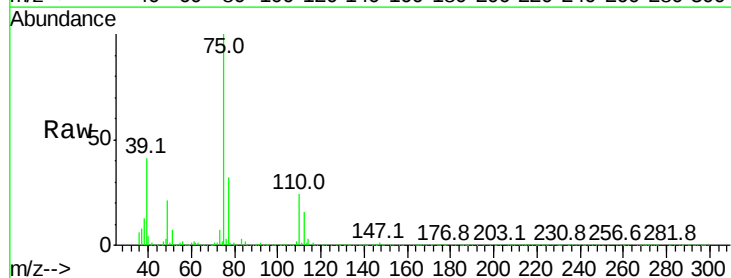
Acq: 21 Aug 2018 13:09

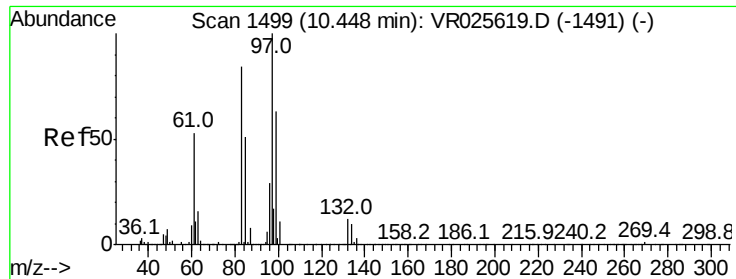
Tgt Ion: 75 Resp: 131371

Ion Ratio Lower Upper

75 100

77 31.9 24.3 45.1

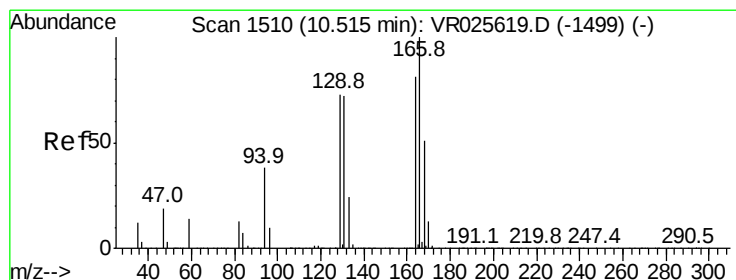
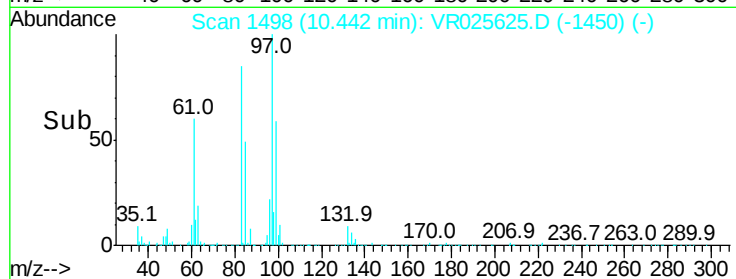
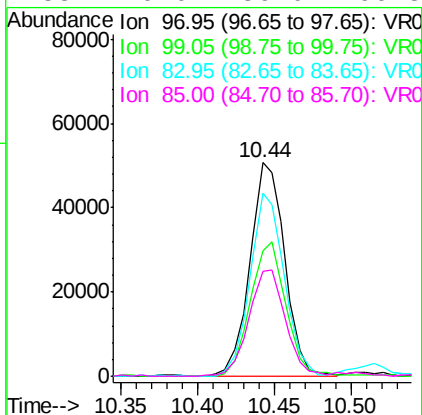
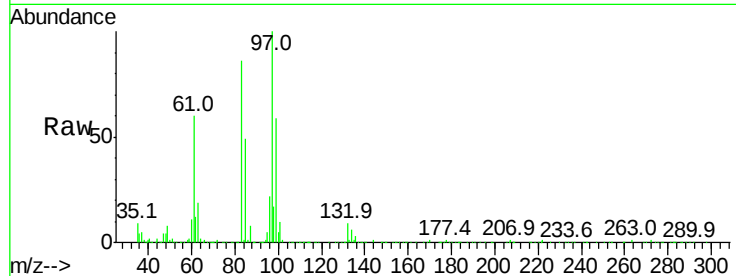




#45
 1,1,2-Trichloroethane
 Concen: 4.870 ug/L
 RT: 10.44 min Scan# 1498
 Delta R.T. -0.01 min
 Lab File: VR025625.D
 Acq: 21 Aug 2018 13:09

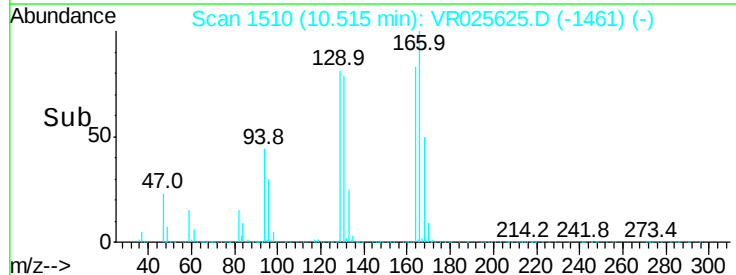
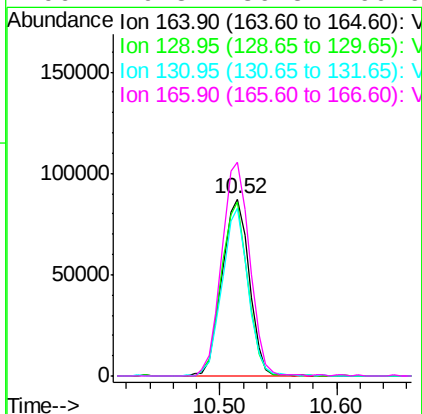
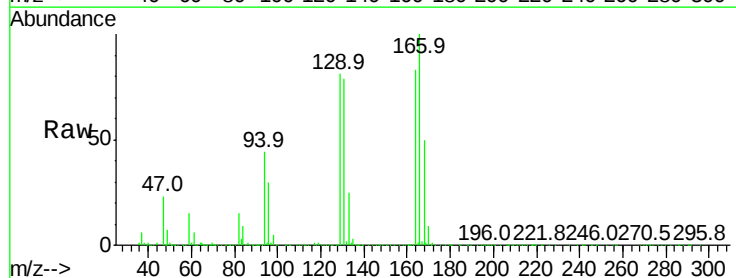
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00583

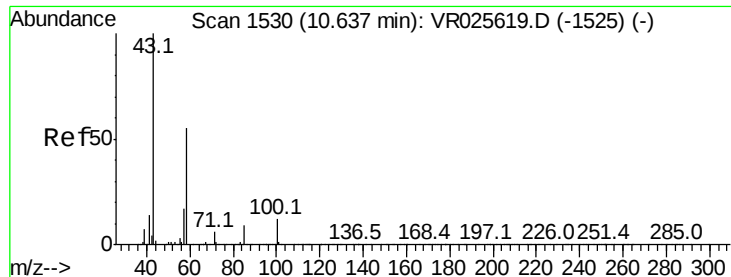
Tgt Ion:	97	Resp:	80171
Ion	Ratio	Lower	Upper
97	100		
99	58.9	44.2	82.2
83	85.9	58.9	109.3
85	49.0	36.0	66.8



#47
 Tetrachloroethene
 Concen: 4.985 ug/L
 RT: 10.52 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VR025625.D
 Acq: 21 Aug 2018 13:09

Tgt Ion:	164	Resp:	142124
Ion	Ratio	Lower	Upper
164	100		
129	98.1	62.9	116.9
131	94.9	62.4	115.8
166	120.8	86.5	160.6





#48

2-Hexanone

Concen: 49.475 ug/L

RT: 10.64 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VR025625.D

Acq: 21 Aug 2018 13:09

Instrument :

MSVOA_R

ClientSampleId :

VSTD00583

Tgt Ion: 43 Resp: 324264

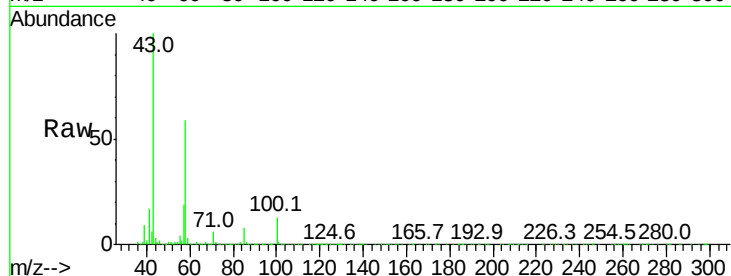
Ion Ratio Lower Upper

43 100

58 58.0 43.9 65.9

57 17.9 14.3 21.5

100 11.0 9.4 14.2

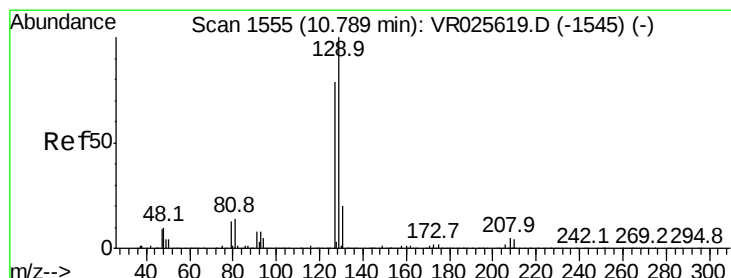
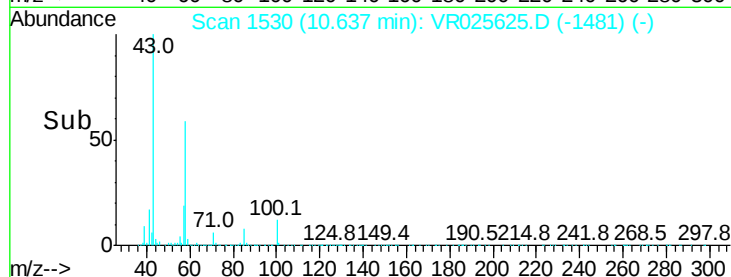
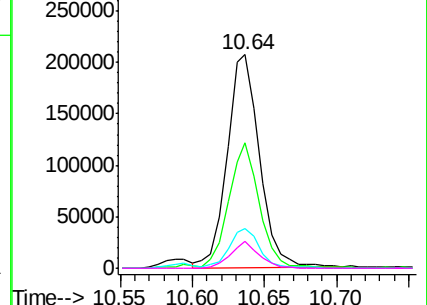


Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 57.20 (56.90 to 57.90): VR0

Ion 100.15 (99.85 to 100.85): VR0



#49

Dibromochloromethane

Concen: 4.602 ug/L

RT: 10.78 min Scan# 1554

Delta R.T. -0.01 min

Lab File: VR025625.D

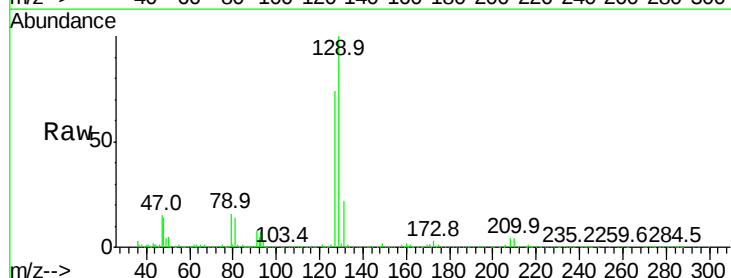
Acq: 21 Aug 2018 13:09

Tgt Ion: 129 Resp: 89679

Ion Ratio Lower Upper

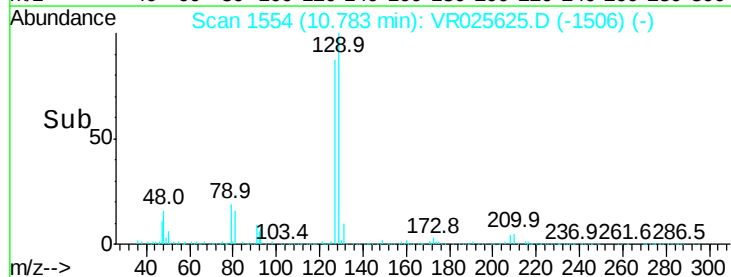
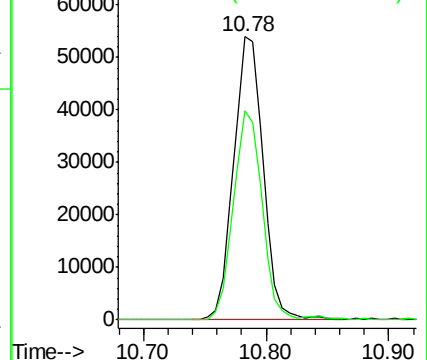
129 100

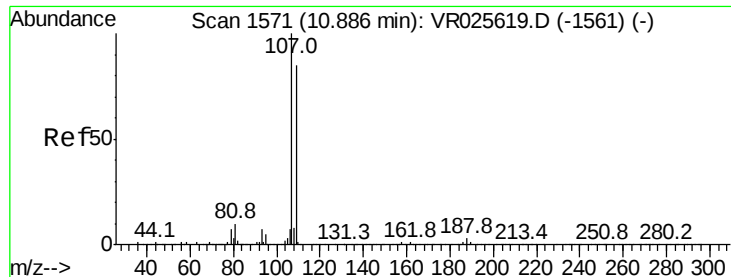
127 73.7 55.3 102.7



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

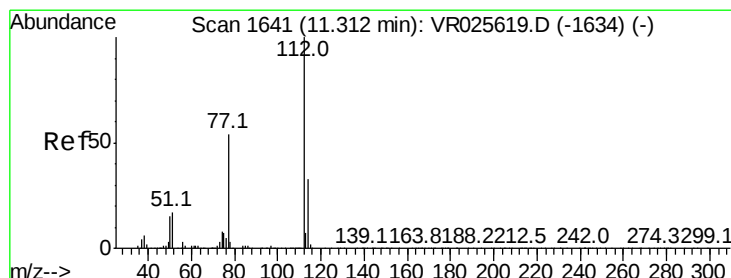
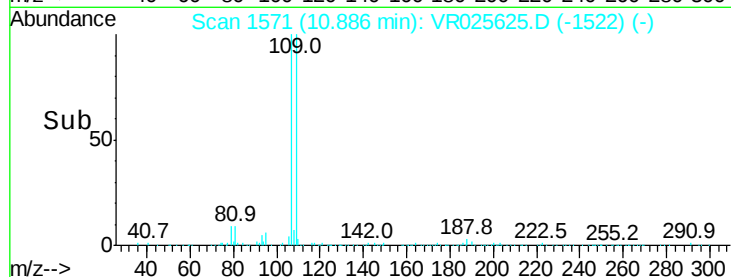
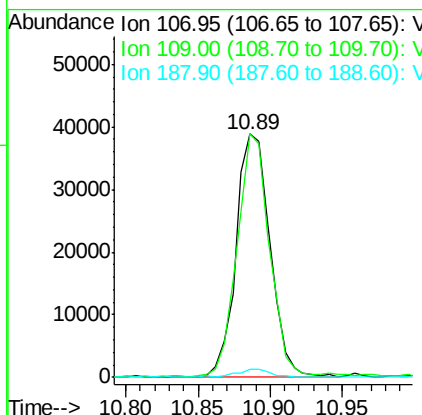
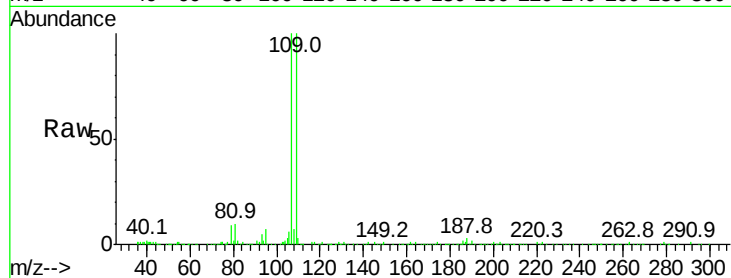




#50
1,2-Dibromoethane
Concen: 4.537 ug/L
RT: 10.89 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VR025625.D
Acq: 21 Aug 2018 13:09

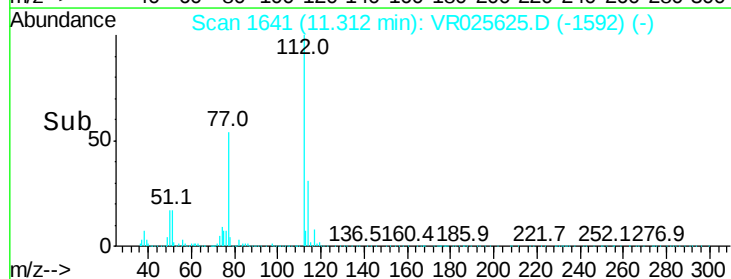
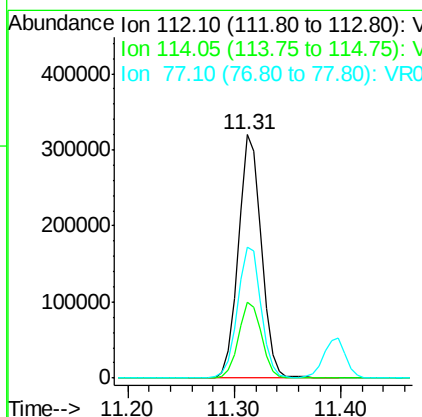
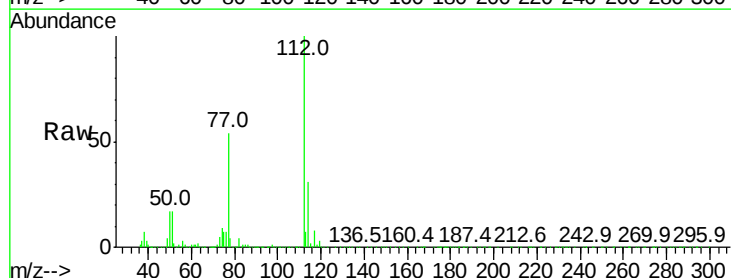
Instrument :
MSVOA_R
ClientSampled :
VSTD00583

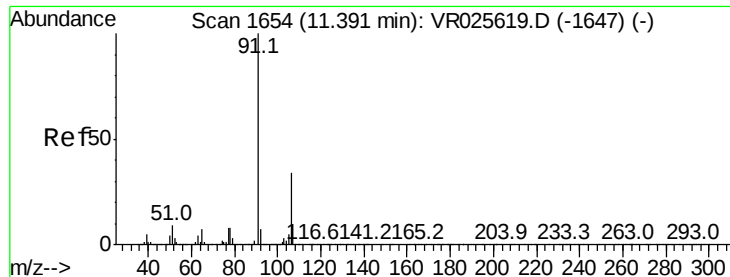
Tgt Ion:107 Resp: 63759
Ion Ratio Lower Upper
107 100
109 100.1 59.2 110.0
188 3.2 2.3 3.5



#51
Chlorobenzene
Concen: 5.185 ug/L
RT: 11.31 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VR025625.D
Acq: 21 Aug 2018 13:09

Tgt Ion:112 Resp: 485034
Ion Ratio Lower Upper
112 100
114 31.1 22.7 42.3
77 53.7 43.0 64.6





#52

Ethylbenzene

Concen: 6.005 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VR025625.D

Acq: 21 Aug 2018 13:09

Instrument :

MSVOA_R

ClientSampleId :

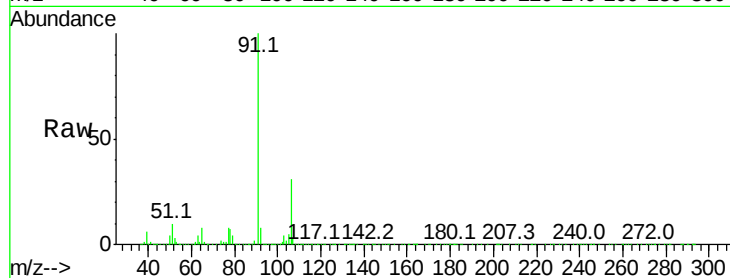
VSTD00583

Tgt Ion: 91 Resp: 888150

Ion Ratio Lower Upper

91 100

106 31.3 23.4 43.6



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 106.15 (105.85 to 106.85): V

11.39

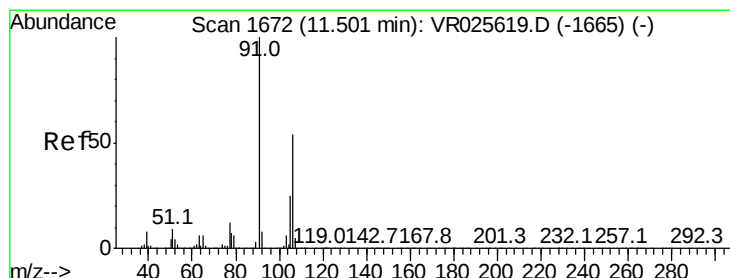
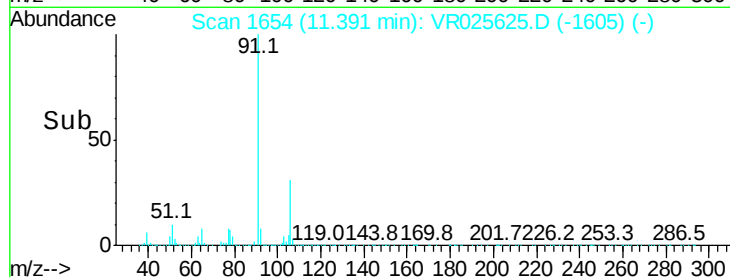
600000

400000

200000

0

Time--> 11.30 11.40



#53

m,p-Xylene

Concen: 6.052 ug/L

RT: 11.51 min Scan# 1673

Delta R.T. 0.01 min

Lab File: VR025625.D

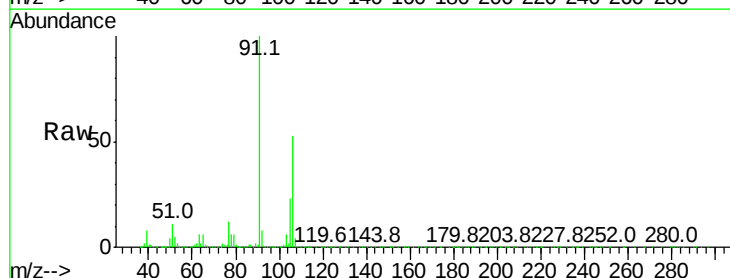
Acq: 21 Aug 2018 13:09

Tgt Ion: 106 Resp: 354315

Ion Ratio Lower Upper

106 100

91 187.0 129.4 240.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0

11.51

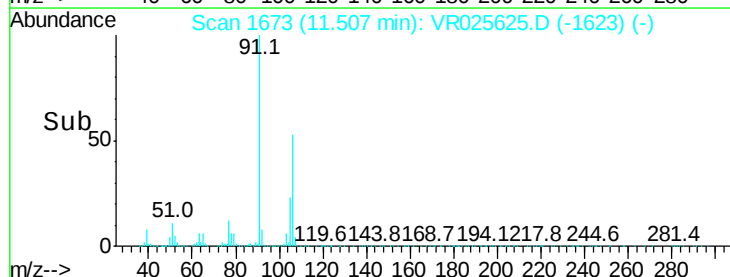
600000

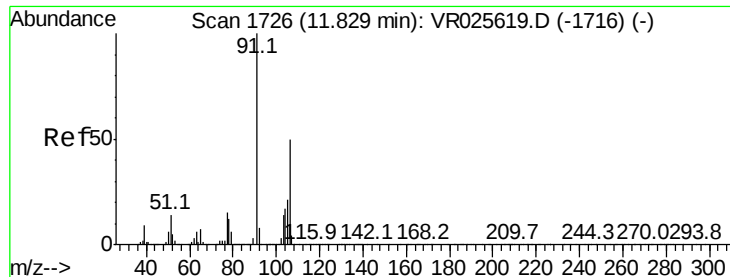
400000

200000

0

Time--> 11.40 11.50 11.60

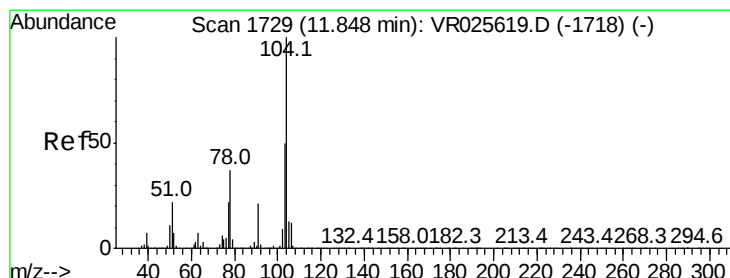
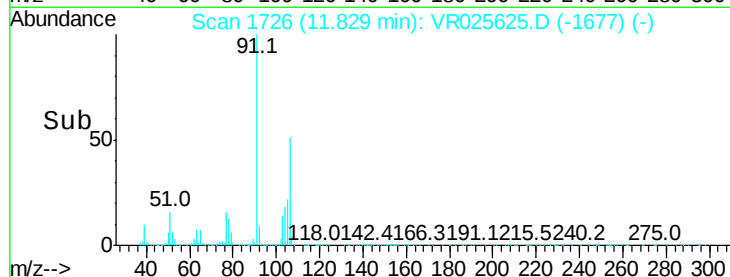
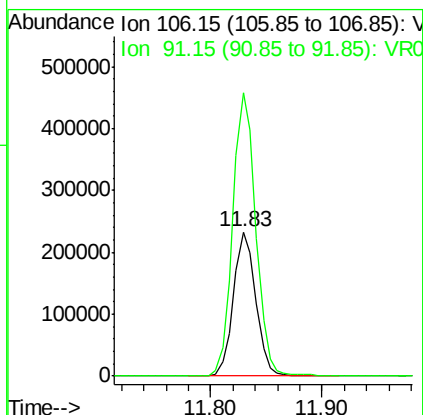
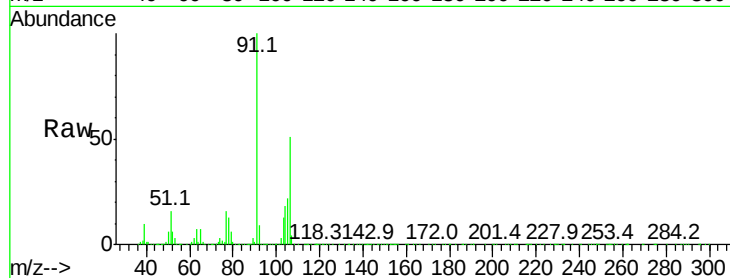




#54
o-Xylene
Concen: 5.925 ug/L
RT: 11.83 min Scan# 1726
Delta R.T. -0.00 min
Lab File: VR025625.D
Acq: 21 Aug 2018 13:09

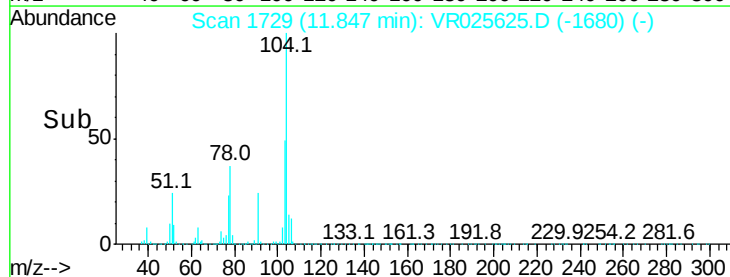
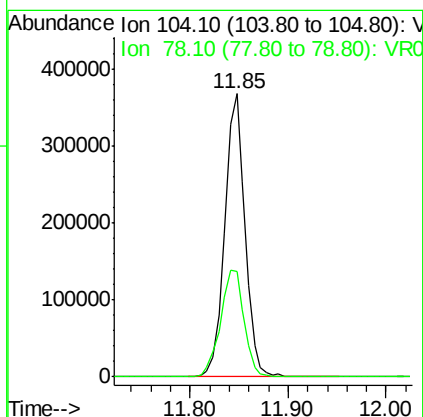
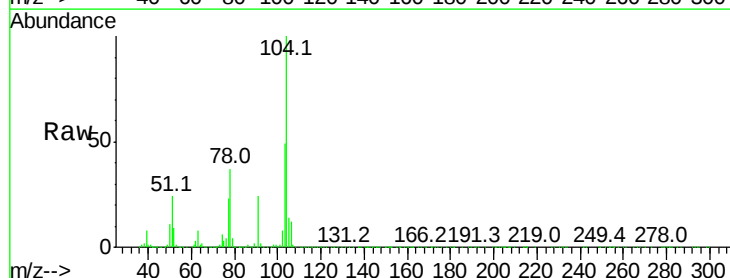
Instrument :
MSVOA_R
ClientSampled :
VSTD00583

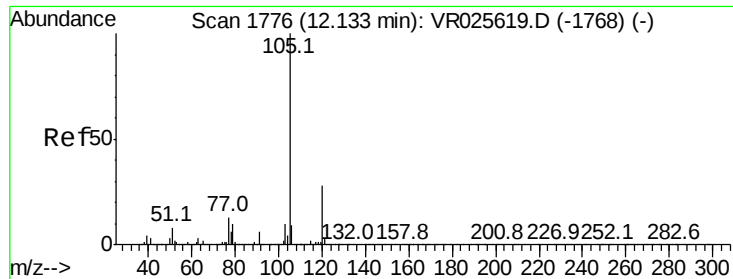
Tgt Ion:106 Resp: 323293
Ion Ratio Lower Upper
106 100
91 196.4 140.4 260.8



#55
Styrene
Concen: 5.835 ug/L
RT: 11.85 min Scan# 1729
Delta R.T. -0.00 min
Lab File: VR025625.D
Acq: 21 Aug 2018 13:09

Tgt Ion:104 Resp: 525067
Ion Ratio Lower Upper
104 100
78 37.4 25.8 48.0





#56

Isopropylbenzene

Concen: 6.430 ug/L

RT: 12.13 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VR025625.D

Acq: 21 Aug 2018 13:09

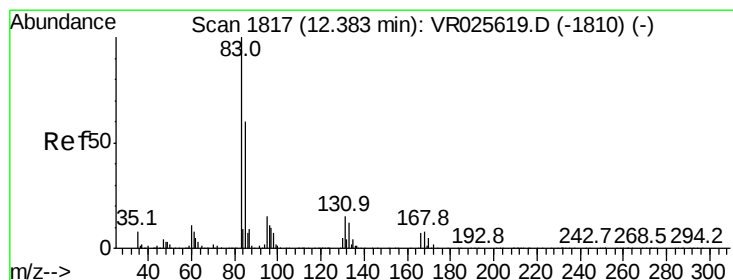
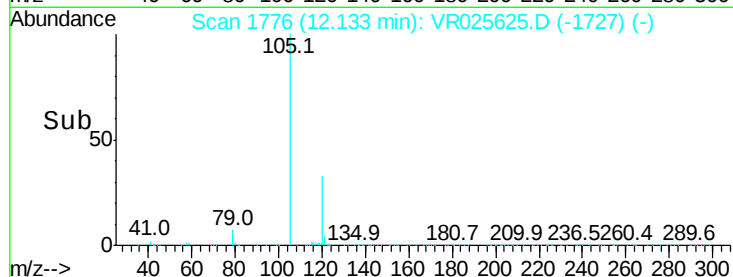
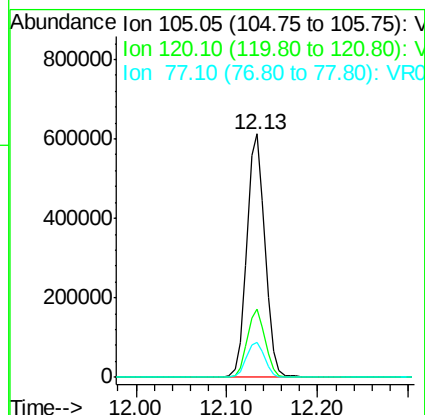
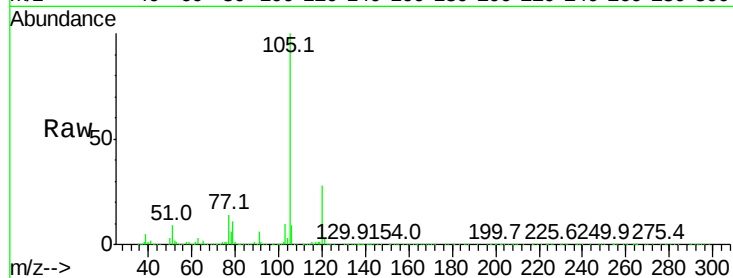
Instrument :

MSVOA_R

ClientSampleId :

VSTD00583

Tgt Ion:	105	Resp:	844379
Ion	Ratio	Lower	Upper
105	100		
120	27.8	22.6	34.0
77	14.5	11.4	17.2



#58

1,1,2,2-Tetrachloroethane

Concen: 5.010 ug/L

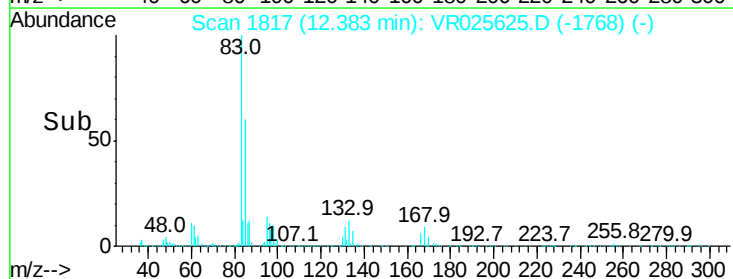
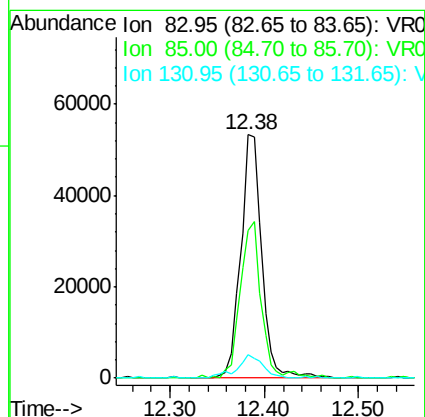
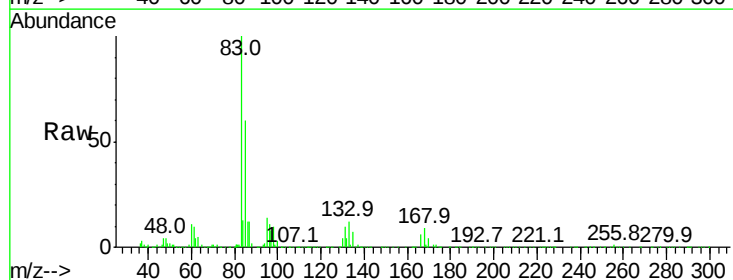
RT: 12.38 min Scan# 1817

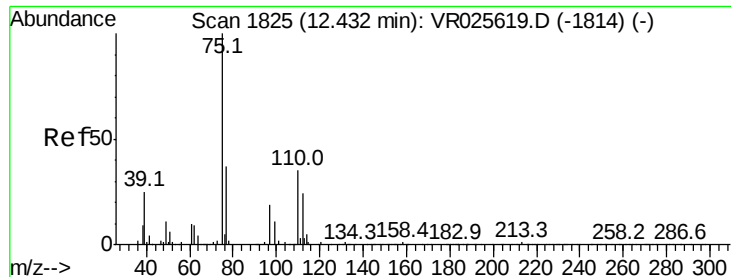
Delta R.T. -0.00 min

Lab File: VR025625.D

Acq: 21 Aug 2018 13:09

Tgt Ion:	83	Resp:	82953
Ion	Ratio	Lower	Upper
83	100		
85	60.4	42.0	78.0
131	9.7	11.8	17.8#





#59

1,2,3-Trichloropropane

Concen: 5.362 ug/L

RT: 12.44 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VR025625.D

Acq: 21 Aug 2018 13:09

Instrument :

MSVOA_R

ClientSampleId :

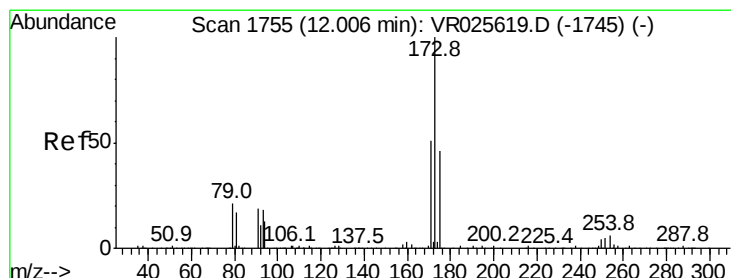
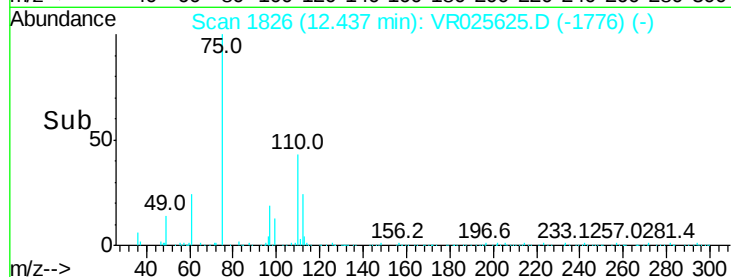
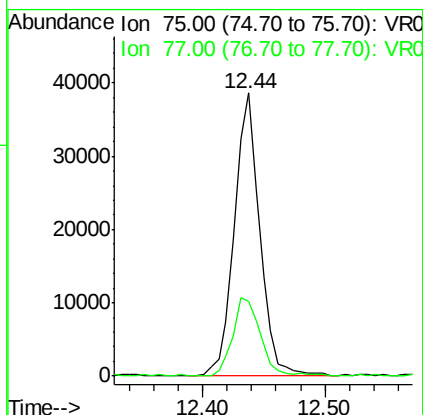
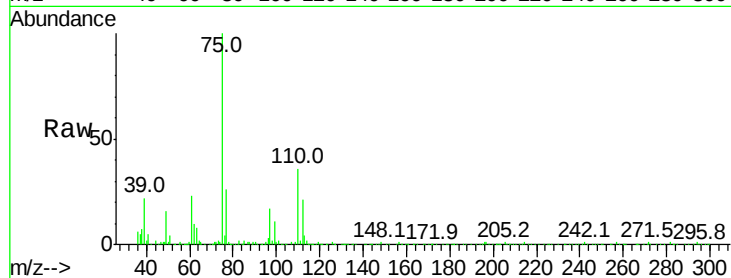
VSTD00583

Tgt Ion: 75 Resp: 55340

Ion Ratio Lower Upper

75 100

77 29.4 28.6 42.8



#61

Bromoform

Concen: 3.941 ug/L

RT: 12.01 min Scan# 1756

Delta R.T. 0.01 min

Lab File: VR025625.D

Acq: 21 Aug 2018 13:09

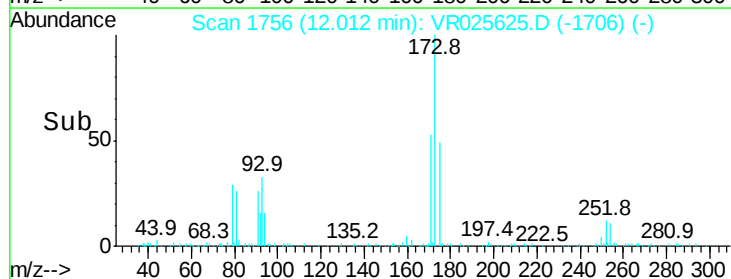
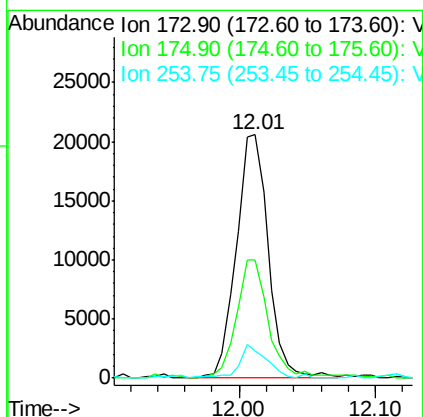
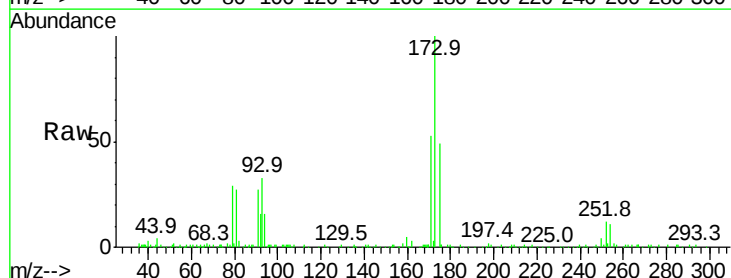
Tgt Ion: 173 Resp: 33256

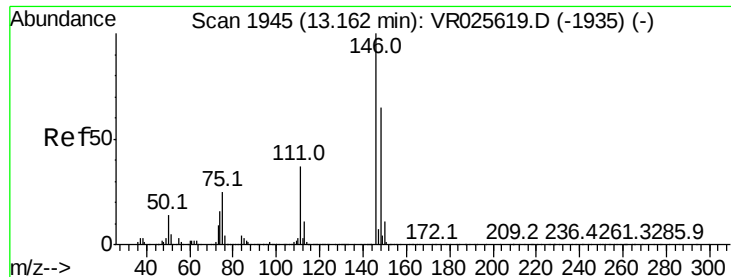
Ion Ratio Lower Upper

173 100

175 50.5 40.5 60.7

254 11.9 7.8 11.8#





#62

1,3-Dichlorobenzene

Concen: 5.216 ug/L

RT: 13.16 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VR025625.D

Acq: 21 Aug 2018 13:09

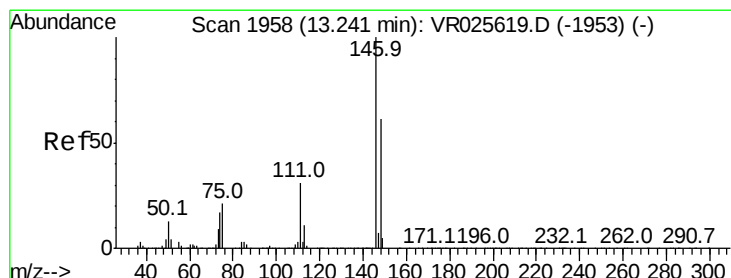
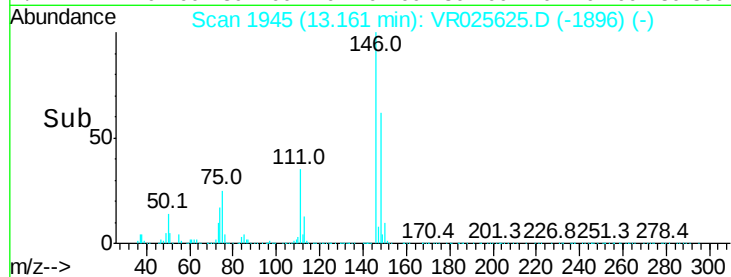
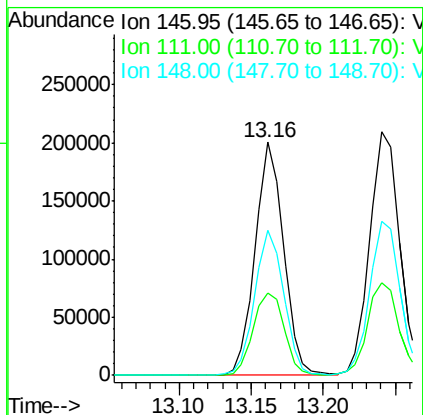
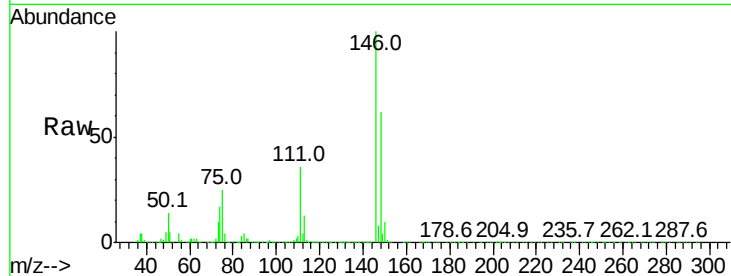
Instrument :

MSVOA_R

ClientSampled :

VSTD00583

Tgt Ion:	146	Resp:	272552
Ion Ratio	Lower	Upper	
146	100		
111	35.5	25.8	48.0
148	62.1	45.2	84.0



#63

1,4-Dichlorobenzene

Concen: 4.749 ug/L

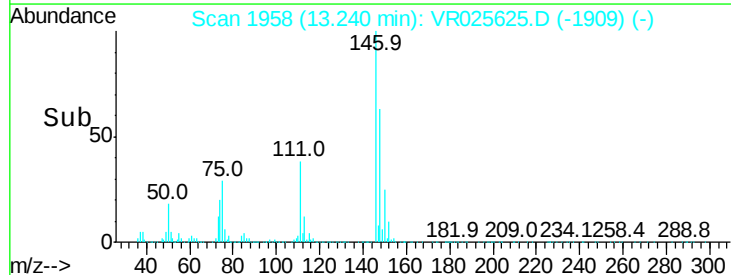
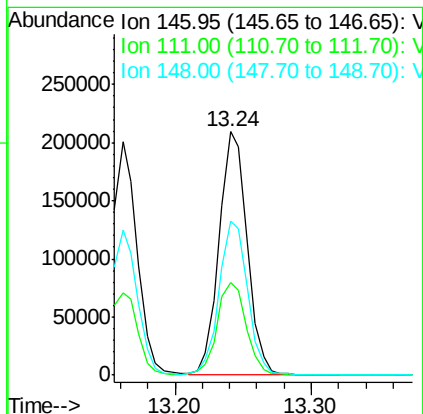
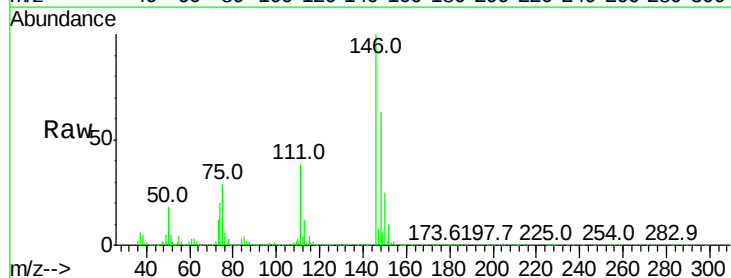
RT: 13.24 min Scan# 1958

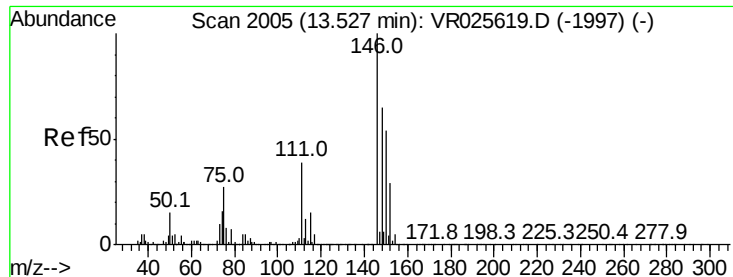
Delta R.T. -0.00 min

Lab File: VR025625.D

Acq: 21 Aug 2018 13:09

Tgt Ion:	146	Resp:	299644
Ion Ratio	Lower	Upper	
146	100		
111	38.1	22.2	41.2
148	63.5	42.8	79.4





#65

1,2-Dichlorobenzene

Concen: 4.791 ug/L

RT: 13.53 min Scan# 2006

Delta R.T. 0.01 min

Lab File: VR025625.D

Acq: 21 Aug 2018 13:09

Instrument :

MSVOA_R

ClientSampleId :

VSTD00583

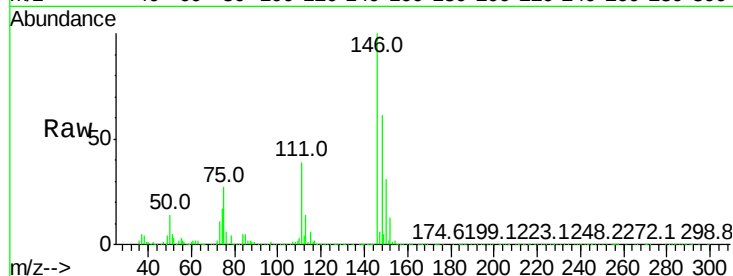
Tgt Ion:146 Resp: 238544

Ion Ratio Lower Upper

146 100

111 39.5 30.8 46.2

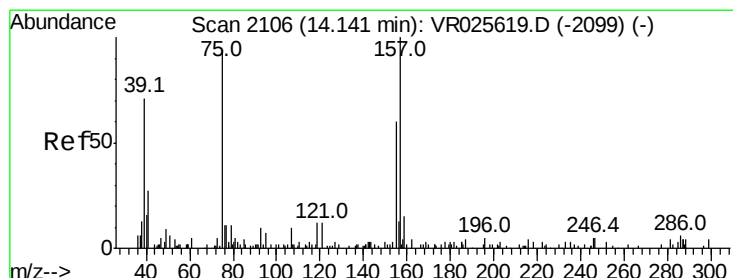
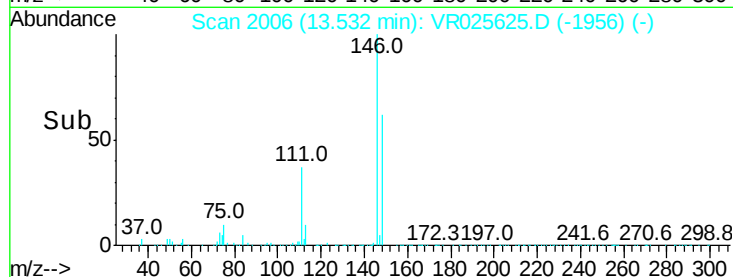
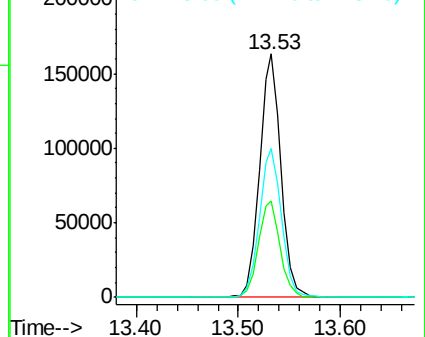
148 60.9 51.9 77.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.232 ug/L

RT: 14.15 min Scan# 2107

Delta R.T. 0.01 min

Lab File: VR025625.D

Acq: 21 Aug 2018 13:09

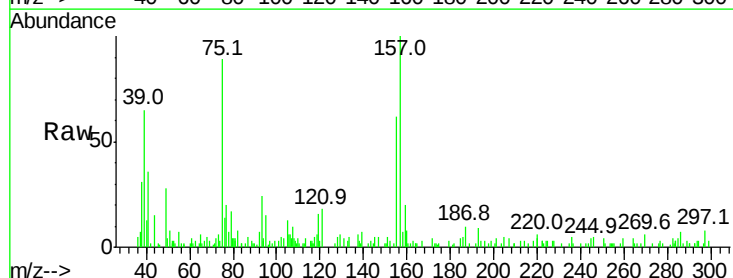
Tgt Ion: 75 Resp: 6310

Ion Ratio Lower Upper

75 100

155 69.0 51.0 76.4

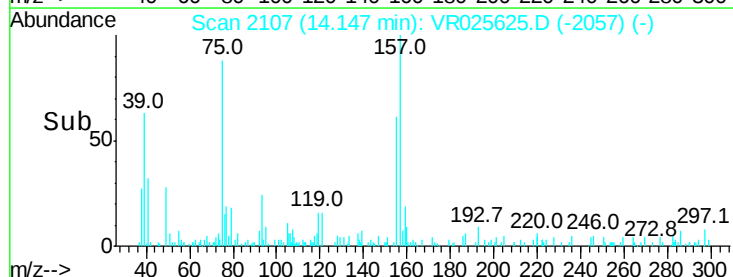
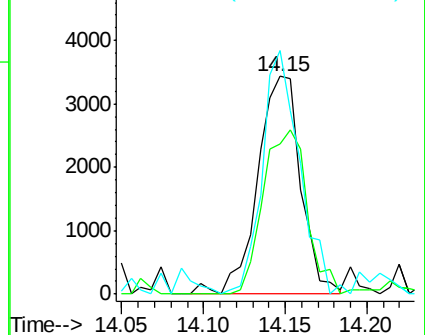
157 111.8 85.4 128.2

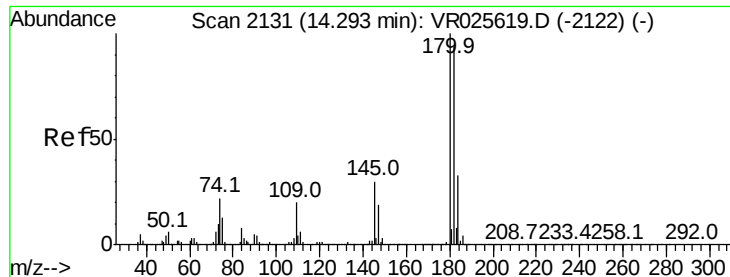


Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

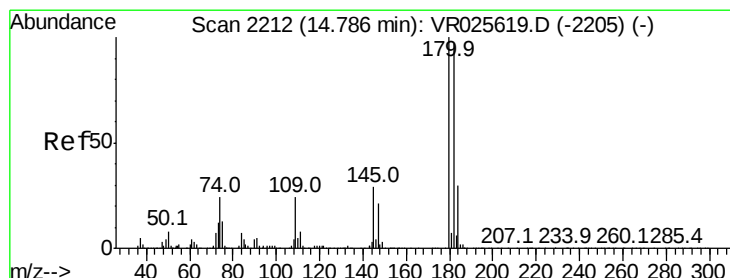
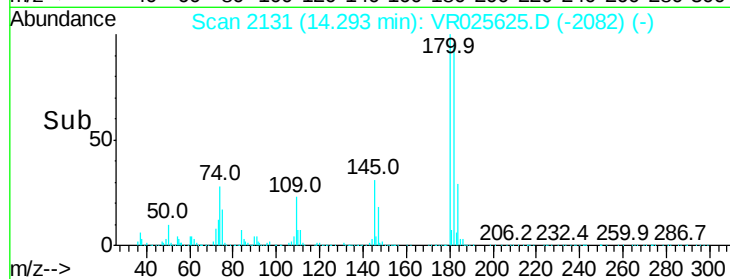
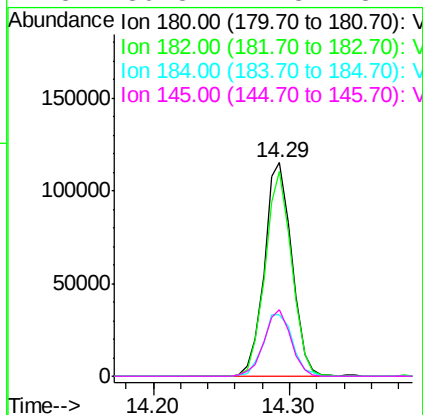
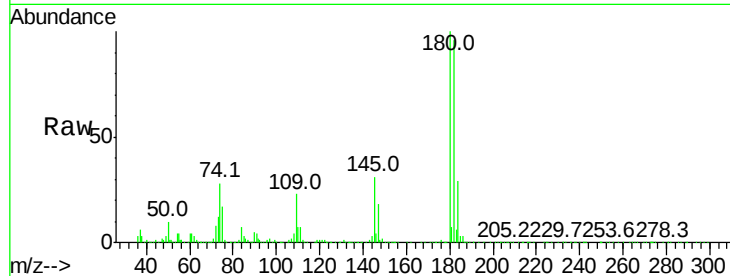




#67
 1,3,5-Trichlorobenzene
 Concen: 4.636 ug/L
 RT: 14.29 min Scan# 2131
 Delta R.T. -0.00 min
 Lab File: VR025625.D
 Acq: 21 Aug 2018 13:09

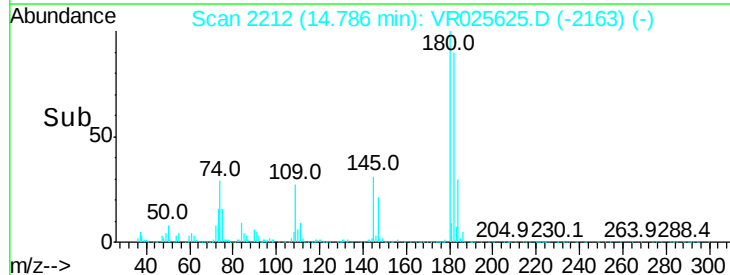
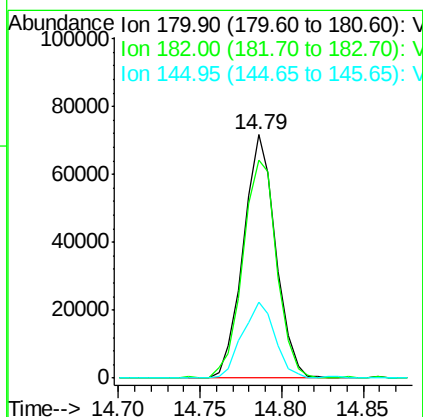
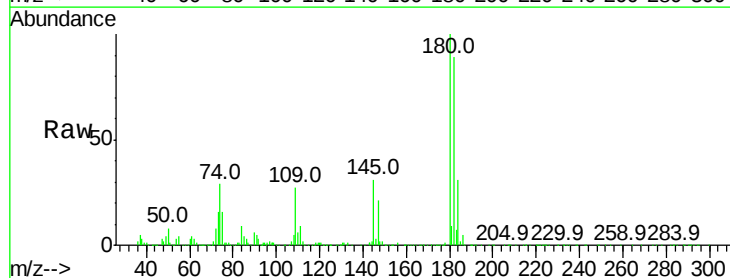
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00583

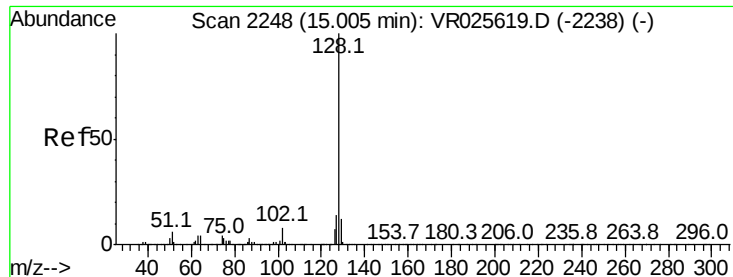
Tgt Ion:	180	Resp:	163098
Ion	Ratio	Lower	Upper
180	100		
182	93.0	74.7	112.1
184	31.4	24.4	36.6
145	30.3	22.8	34.2



#68
 1,2,4-trichlorobenzene
 Concen: 4.582 ug/L
 RT: 14.79 min Scan# 2212
 Delta R.T. -0.00 min
 Lab File: VR025625.D
 Acq: 21 Aug 2018 13:09

Tgt Ion:	180	Resp:	99317
Ion	Ratio	Lower	Upper
180	100		
182	93.8	73.9	110.9
145	31.7	23.6	35.4





#69

Naphthalene

Concen: 4.735 ug/L

RT: 15.00 min Scan# 2248

Delta R.T. -0.00 min

Lab File: VR025625.D

Acq: 21 Aug 2018 13:09

Instrument :

MSVOA_R

ClientSampled :

VSTD00583

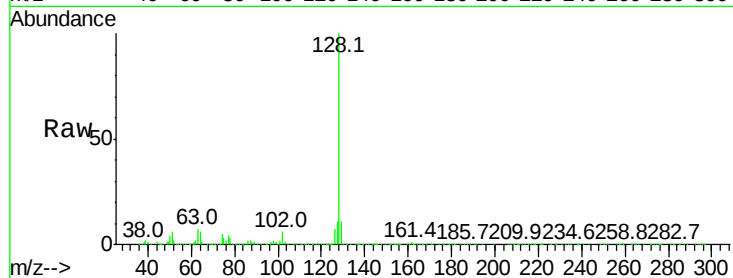
Tgt Ion:128 Resp: 120173

Ion Ratio Lower Upper

128 100

127 12.5 10.7 16.1

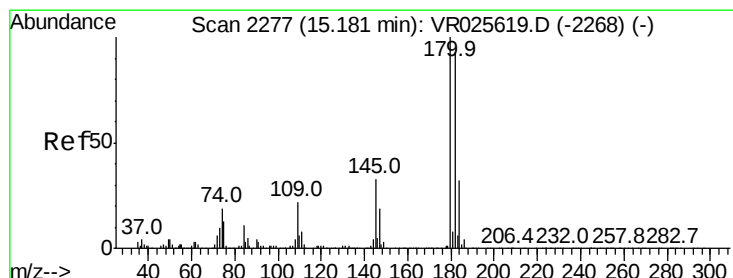
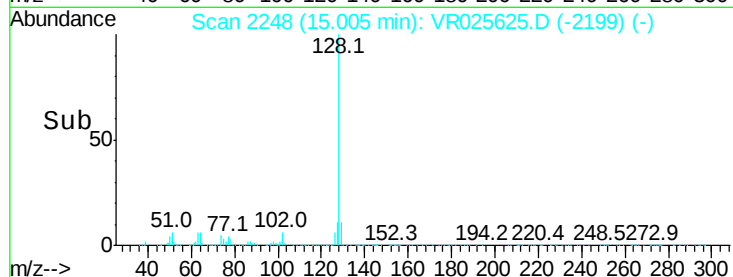
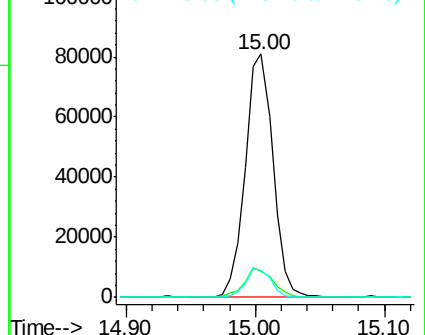
129 11.1 9.2 13.8



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: 4.265 ug/L

RT: 15.18 min Scan# 2277

Delta R.T. -0.00 min

Lab File: VR025625.D

Acq: 21 Aug 2018 13:09

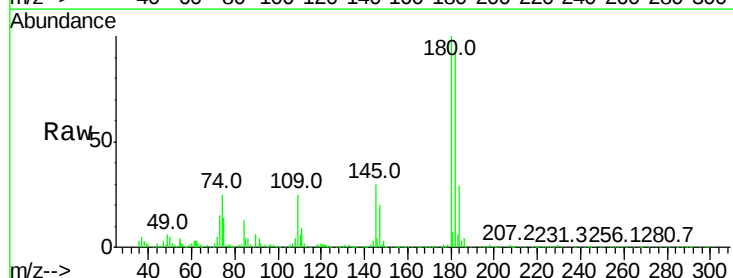
Tgt Ion:180 Resp: 78517

Ion Ratio Lower Upper

180 100

182 93.0 75.9 113.9

145 31.0 25.4 38.0



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

