

Data File : VR026259.D
Acq On : 21 Nov 2018 13:50
Operator : SY/MD
Sample : VSTD02081
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD02081

Quant Time: Nov 27 06:12:55 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112118WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 27 06:08:04 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	624583	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	547231	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	231368	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	955684	17.28	ug/L	0.00
7) Chloroethane-d5	2.63	69	798456	17.12	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.61	63	2401039	17.93	ug/L	-0.02
20) 2-Butanone-d5	6.59	46	955488	226.52	ug/L	0.00
24) Chloroform-d	7.20	84	1879700	19.70	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.90	65	729426	19.79	ug/L	0.00
32) Benzene-d6	7.85	84	3906329	20.71	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	953657	19.83	ug/L	0.00
41) Toluene-d8	9.97	98	3805125	21.53	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	283768	21.77	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	727036	245.99	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	382990	19.39	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	834985	21.03	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	802373	18.686 ug/L	99
3) Chloromethane	2.02	50	1015293	17.155 ug/L	99
5) Vinyl chloride	2.17	62	1017038	17.381 ug/L	97
6) Bromomethane	2.53	94	646924	16.521 ug/L	98
8) Chloroethane	2.66	64	623185	17.000 ug/L	96
9) Trichlorofluoromethane	2.93	101	631526	6.800 ug/L	# 14
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	880074	17.042 ug/L	98
12) 1,1-Dichloroethene	3.62	96	991220	17.758 ug/L	87
13) Acetone	3.70	43	719404	186.339 ug/L	99
14) Carbon disulfide	3.93	76	2694978	19.137 ug/L	99
15) Methyl Acetate	4.19	43	182727	17.492 ug/L	96
16) Methylene chloride	4.40	84	835704	16.408 ug/L	98
17) Methyl tert-butyl Ether	4.90	73	1145691	20.711 ug/L	97
18) trans-1,2-Dichloroethene	4.88	96	963205	20.384 ug/L	98
19) 1,1-Dichloroethane	5.69	63	1689097	19.622 ug/L	97
21) 2-Butanone	6.69	43	1027283	208.546 ug/L	100
22) cis-1,2-Dichloroethene	6.67	96	917586	21.749 ug/L	# 99
23) Bromochloromethane	7.06	128	245642	18.723 ug/L	92
25) Chloroform	7.23	83	1673772	17.613 ug/L	99
27) 1,2-Dichloroethane	7.99	62	729015	18.620 ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	1471153	19.421 ug/L	98
30) Cyclohexane	7.52	56	1465318	22.522 ug/L	99
31) Carbon tetrachloride	7.63	117	1326434	19.537 ug/L	100
33) Benzene	7.91	78	3985198	20.103 ug/L	100
34) Trichloroethene	8.71	95	1031093	20.010 ug/L	96
35) Methylcyclohexane	8.95	83	1528244	21.969 ug/L	97
37) 1,2-Dichloropropane	9.00	63	785424	18.956 ug/L	99
38) Bromodichloromethane	9.28	83	926751	18.936 ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	1062210	22.810 ug/L	96
40) 4-Methyl-2-pentanone	9.87	43	2526746	213.090 ug/L	98

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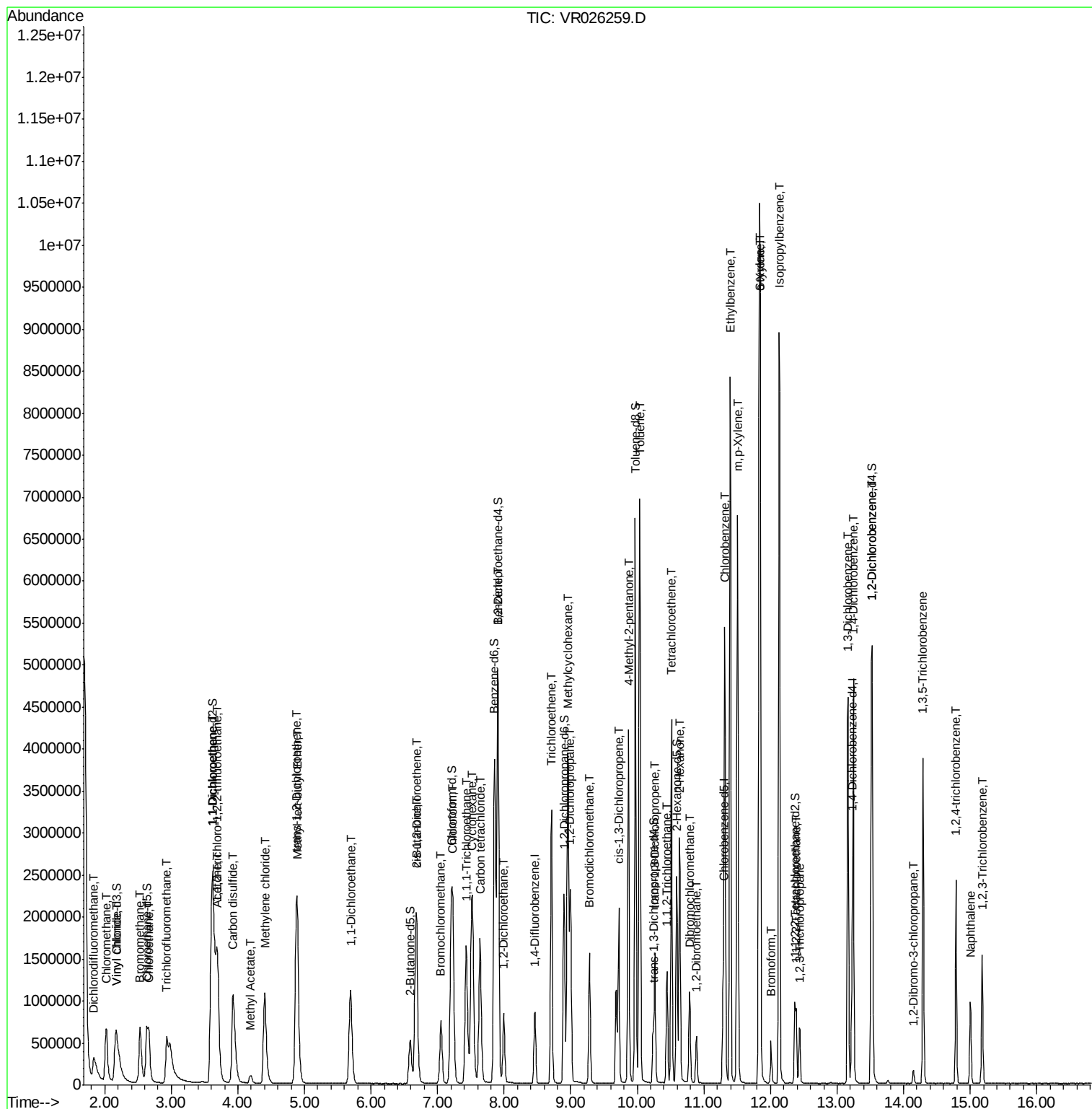
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.04	91	4304039	20.008	ug/L	96
44) trans-1,3-Dichloropropene	10.26	75	727907	23.078	ug/L	97
45) 1,1,2-Trichloroethane	10.45	97	348986	18.944	ug/L	95
47) Tetrachloroethene	10.51	164	773538	20.826	ug/L	97
48) 2-Hexanone	10.63	43	1677233	211.341	ug/L	98
49) Dibromochloromethane	10.79	129	462511	20.876	ug/L	100
50) 1,2-Dibromoethane	10.89	107	309076	19.994	ug/L	97
51) Chlorobenzene	11.32	112	2346183	19.627	ug/L	98
52) Ethylbenzene	11.39	91	4887769	20.551	ug/L	94
53) m,p-Xylene	11.50	106	1921668	22.202	ug/L	99
54) o-Xylene	11.83	106	1869976	23.844	ug/L	86
55) Styrene	11.84	104	2851450	22.825	ug/L	99
56) Isopropylbenzene	12.13	105	4822694	22.136	ug/L	96
58) 1,1,2,2-Tetrachloroethane	12.39	83	332108	18.841	ug/L #	93
59) 1,2,3-Trichloropropane	12.43	75	242761	18.830	ug/L	98
61) Bromoform	12.01	173	187765	20.668	ug/L	97
62) 1,3-Dichlorobenzene	13.16	146	1545085	21.023	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	1514454	18.703	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	1204531	19.891	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.14	75	33866	16.483	ug/L	93
67) 1,3,5-Trichlorobenzene	14.30	180	967223	21.080	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	581869	22.843	ug/L	99
69) Naphthalene	15.00	128	653730	26.263	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	392525	20.774	ug/L	97

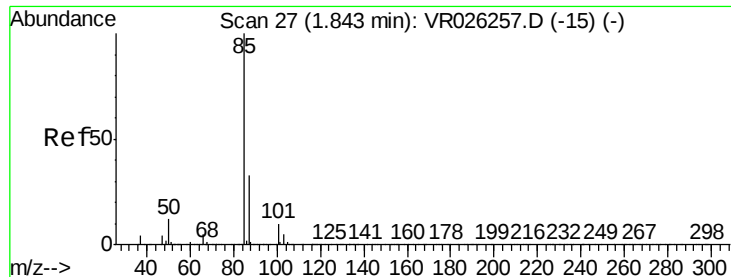
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 18.686 ug/L

RT: 1.84 min Scan# 27

Delta R.T. -0.00 min

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Acq: 21 Nov 2018 13:50

Instrument :

MSVOA_R

ClientSampleId :

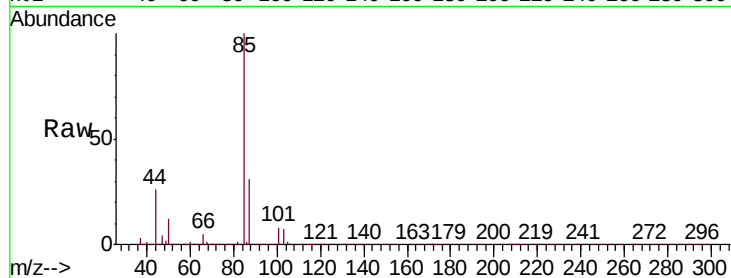
VSTD02081

Tgt Ion: 85 Resp: 802373

Ion Ratio Lower Upper

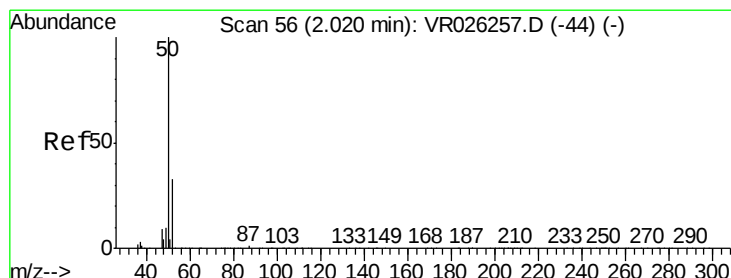
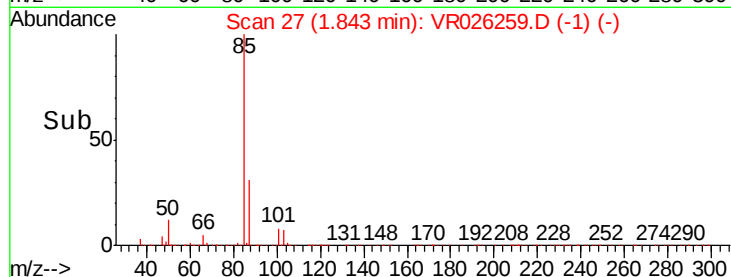
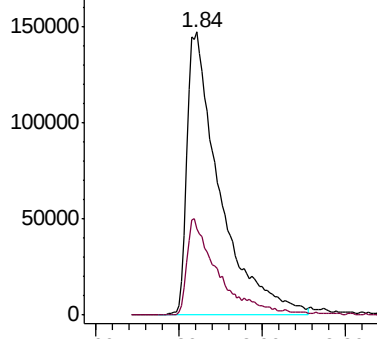
85 100

87 31.6 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 17.155 ug/L

RT: 2.02 min Scan# 56

Delta R.T. -0.00 min

Lab File: VR026259.D

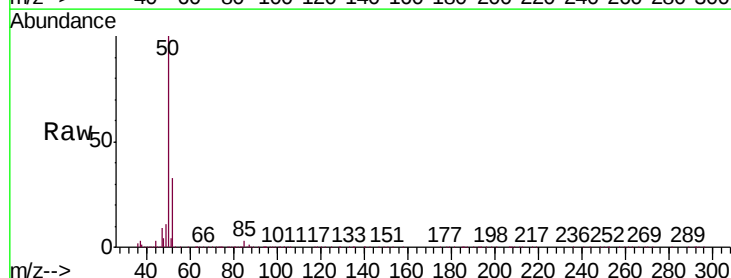
Acq: 21 Nov 2018 13:50

Tgt Ion: 50 Resp: 1015293

Ion Ratio Lower Upper

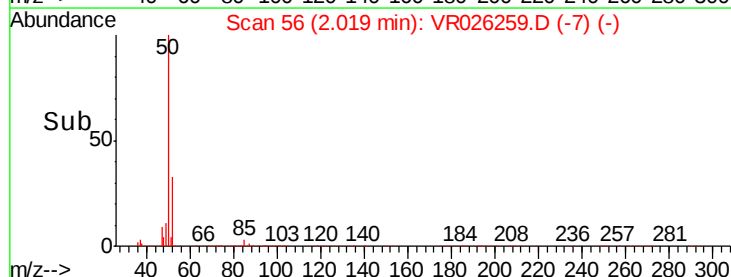
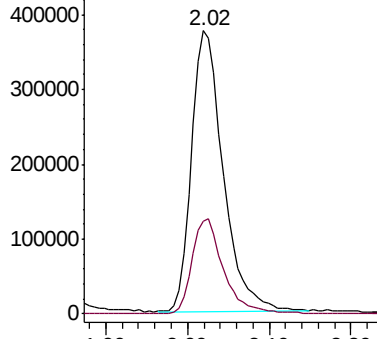
50 100

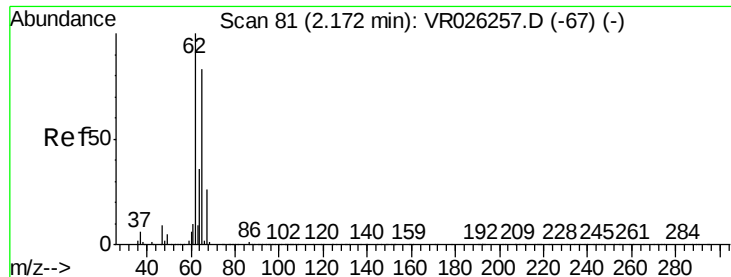
52 32.6 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 17.381 ug/L

RT: 2.17 min Scan# 81

Delta R.T. -0.00 min

Lab File: VR026259.D

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Instrument :

MSVOA_R

ClientSampleId :

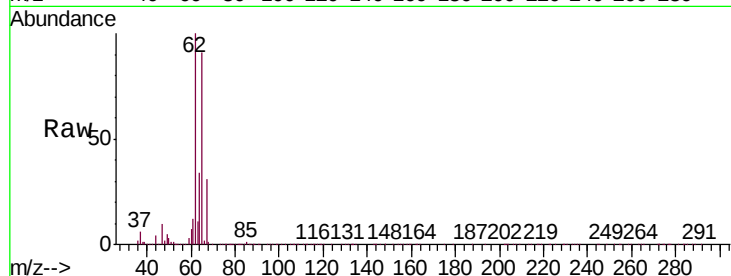
VSTD02081

Tgt Ion: 62 Resp: 1017038

Ion Ratio Lower Upper

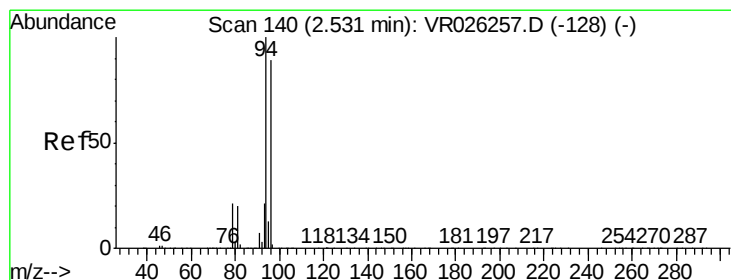
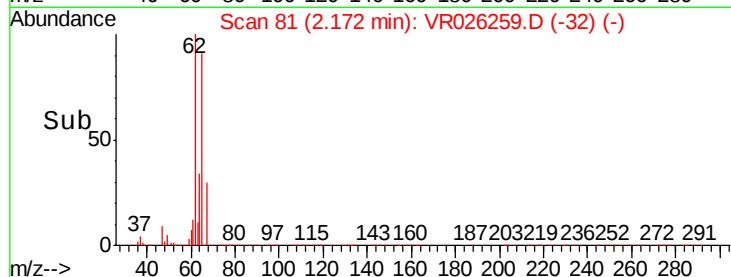
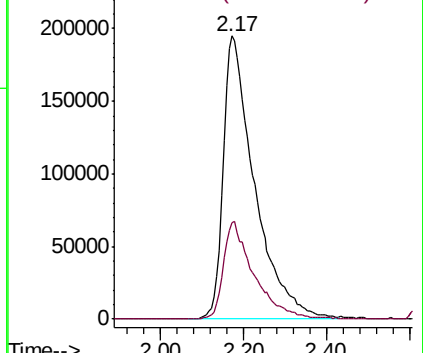
62 100

64 34.0 25.1 46.7



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0



#6

Bromomethane

Concen: 16.521 ug/L

RT: 2.53 min Scan# 140

Delta R.T. -0.00 min

Lab File: VR026259.D

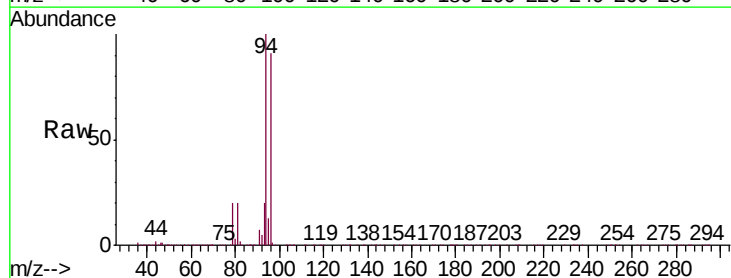
Acq: 21 Nov 2018 13:50

Tgt Ion: 94 Resp: 646924

Ion Ratio Lower Upper

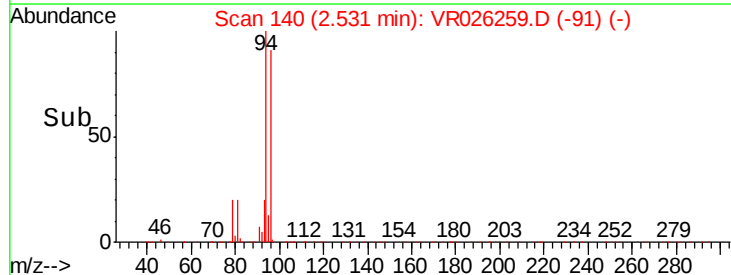
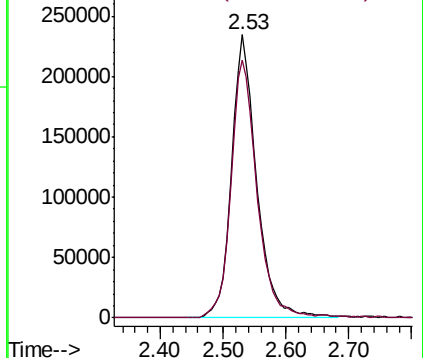
94 100

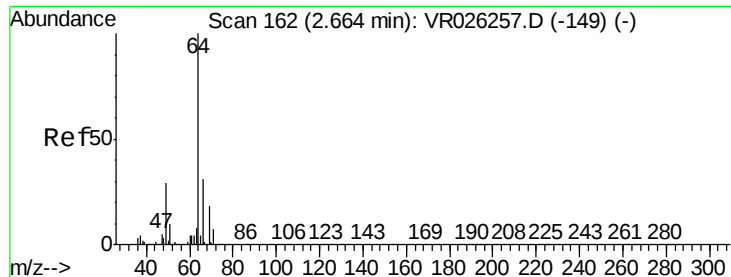
96 91.0 62.4 115.8



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0





#8

Chloroethane

Concen: 17.000 ug/L

RT: 2.66 min Scan# 162

Delta R.T. -0.00 min

Lab File: VR026259.D

Acq: 21 Nov 2018 13:50

Instrument :

MSVOA_R

ClientSampleId :

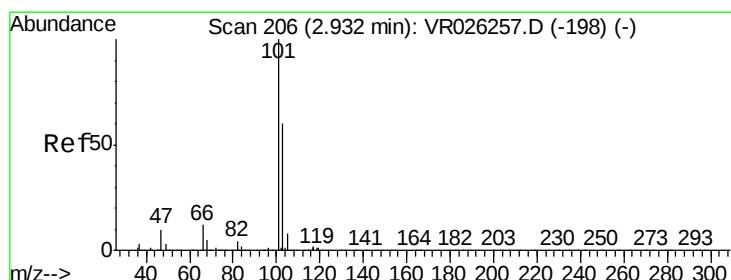
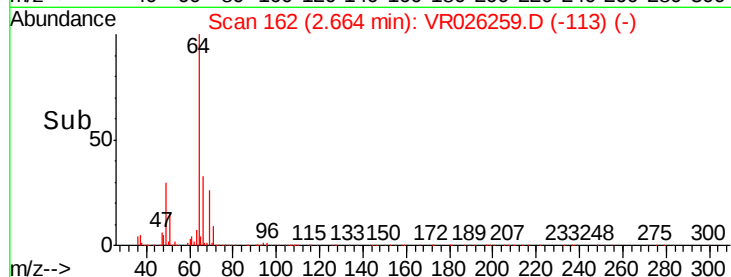
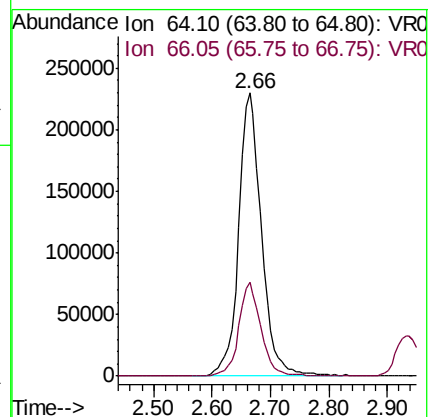
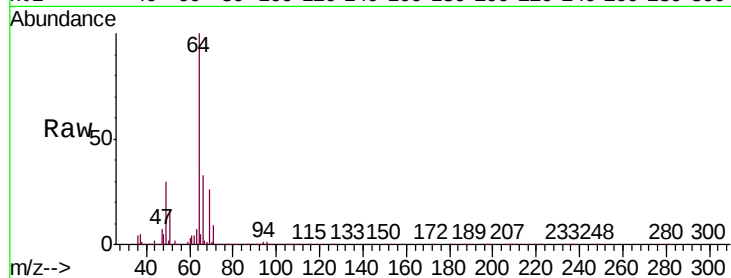
VSTD02081

Tgt Ion: 64 Resp: 623185

Ion Ratio Lower Upper

64 100

66 33.4 21.9 40.7



#9

Trichlorofluoromethane

Concen: 6.800 ug/L

RT: 2.93 min Scan# 206

Delta R.T. -0.00 min

Lab File: VR026259.D

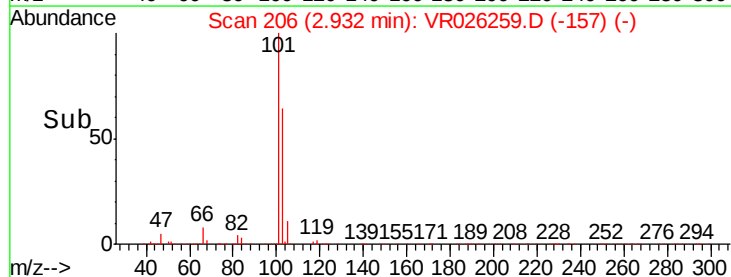
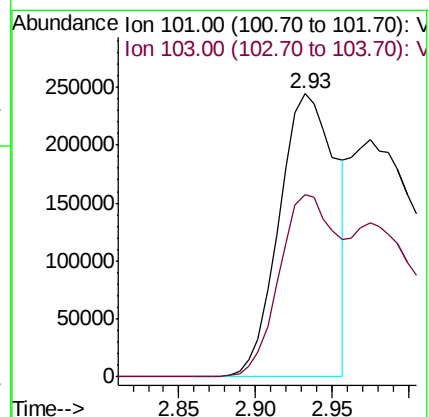
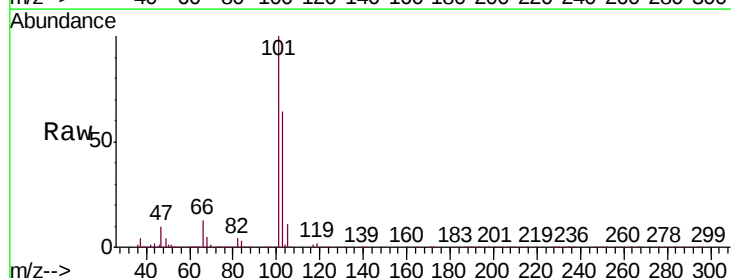
Acq: 21 Nov 2018 13:50

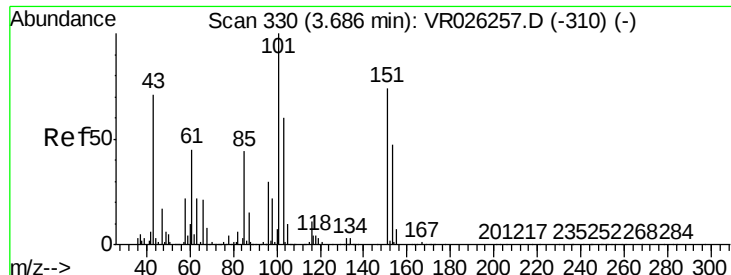
Tgt Ion: 101 Resp: 631526

Ion Ratio Lower Upper

101 100

103 64.6 18.3 27.5#





#10

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

Concen: 17.042 ug/L

RT: 3.69 min Scan# 330

Delta R.T. -0.00 min

Lab File: VR026259.D

Acq: 21 Nov 2018 13:50

Instrument :

MSVOA_R

ClientSampleId :

VSTD02081

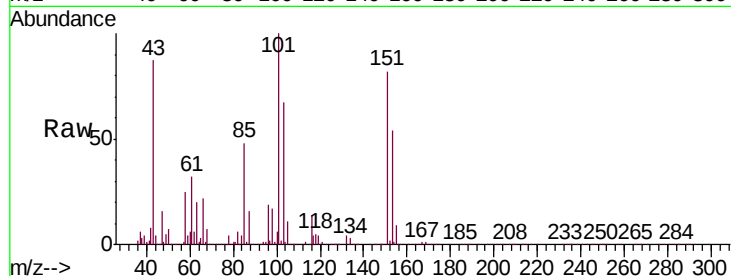
Tgt Ion:101 Resp: 880074

Ion Ratio Lower Upper

101 100

85 47.2 37.0 55.6

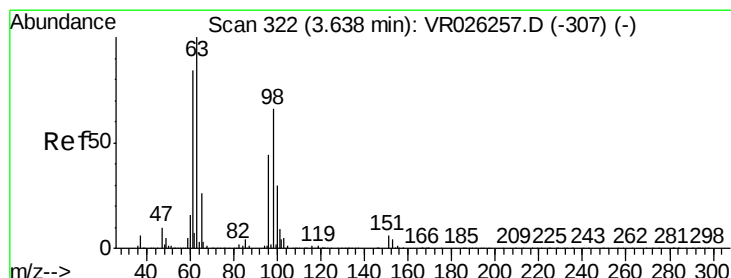
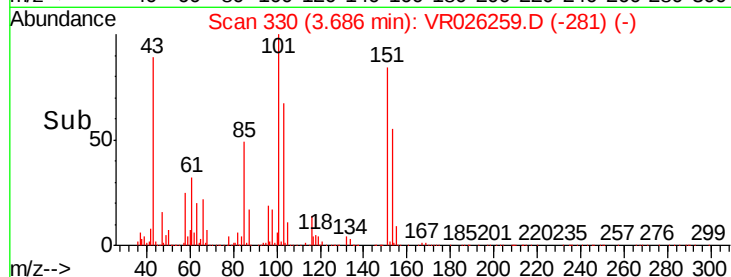
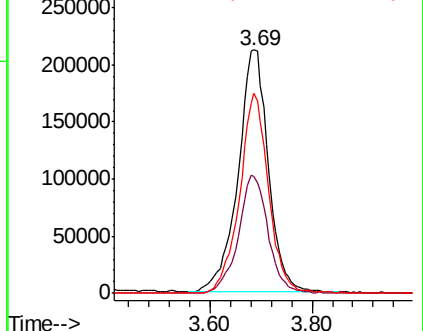
151 78.5 61.1 91.7



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: 17.758 ug/L

RT: 3.62 min Scan# 319

Delta R.T. -0.02 min

Lab File: VR026259.D

Acq: 21 Nov 2018 13:50

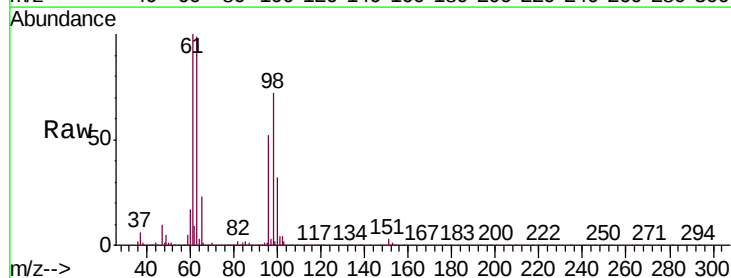
Tgt Ion: 96 Resp: 991220

Ion Ratio Lower Upper

96 100

61 192.0 135.5 251.7

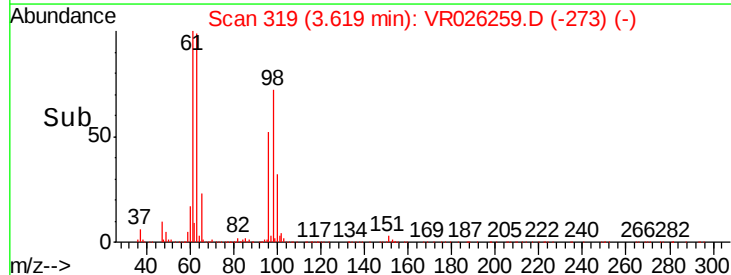
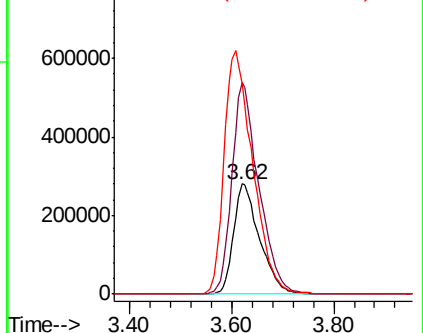
63 190.6 160.5 298.1

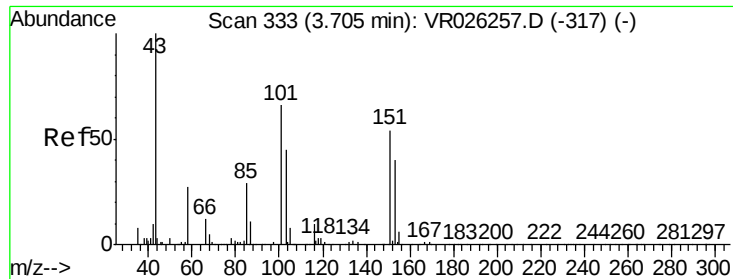


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 186.339 ug/L

RT: 3.70 min Scan# 332

Delta R.T. -0.01 min

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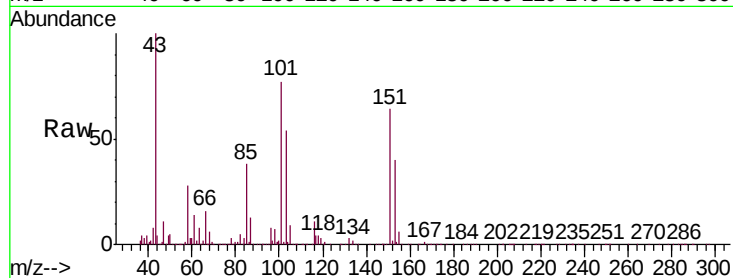
VSTD02081

Tgt Ion: 43 Resp: 719404

Ion Ratio Lower Upper

43 100

58 28.9 0.0 57.0



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

250000

200000

150000

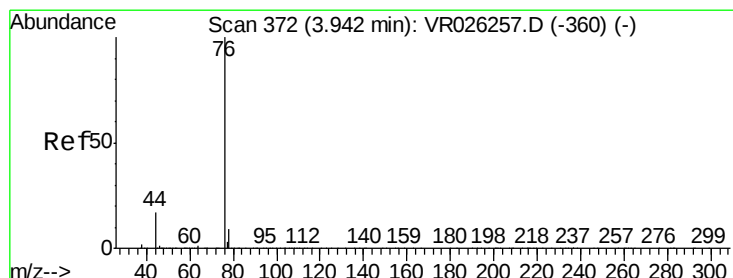
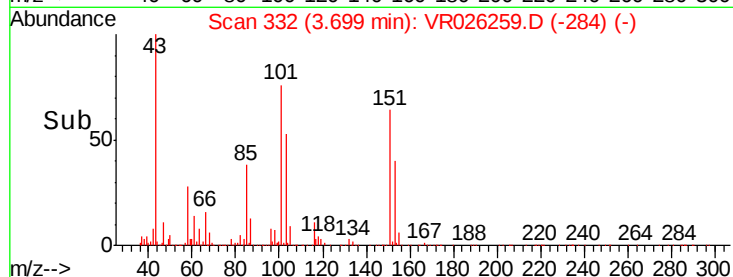
100000

50000

0

3.50 3.60 3.70 3.80 3.90

Time-->



#14

Carbon disulfide

Concen: 19.137 ug/L

RT: 3.93 min Scan# 370

Delta R.T. -0.01 min

Lab File: VR026259.D

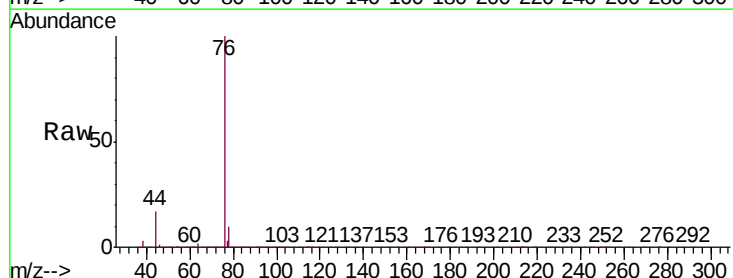
Acq: 21 Nov 2018 13:50

Tgt Ion: 76 Resp: 2694978

Ion Ratio Lower Upper

76 100

78 9.9 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

800000

600000

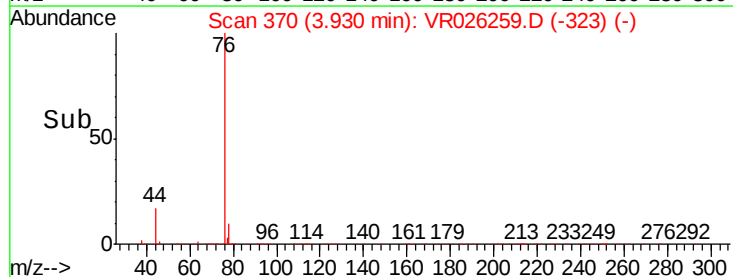
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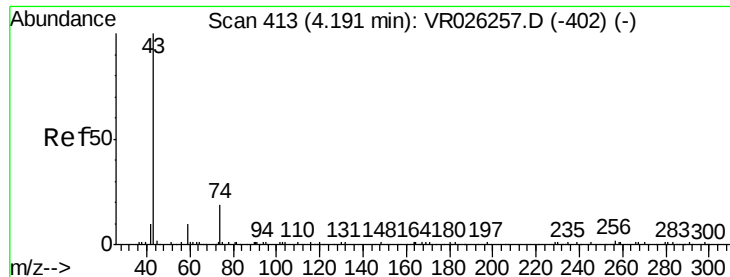
200000

0

3.80 4.00 4.20

Time-->

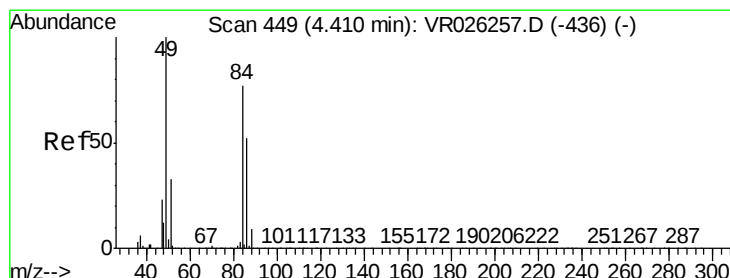
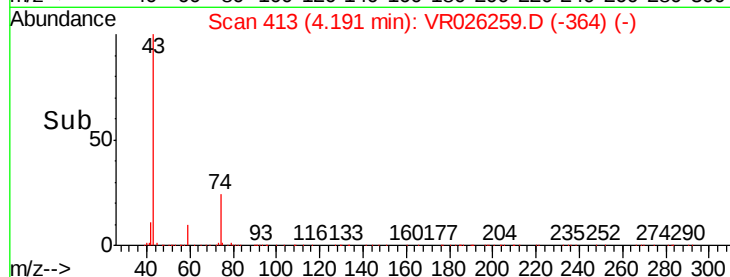
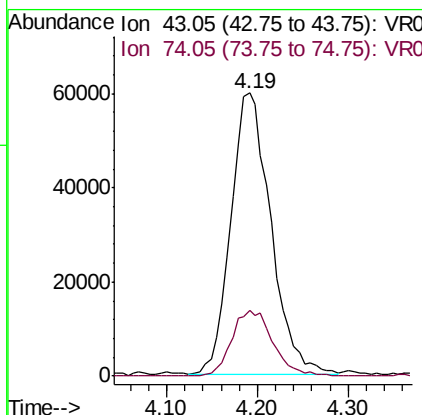
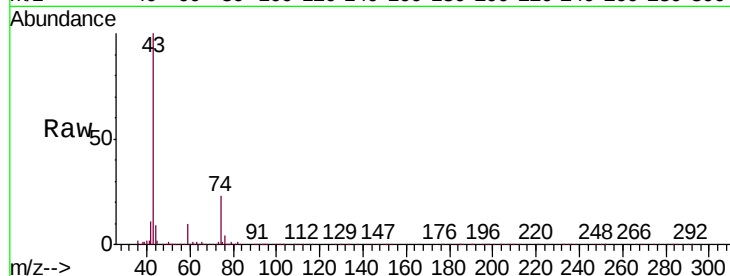




#15
Methyl Acetate
Concen: 17.492 ug/L
RT: 4.19 min Scan# 413
Delta R.T. -0.00 min
Lab File: VR026259.D
Acq: 21 Nov 2018 13:50

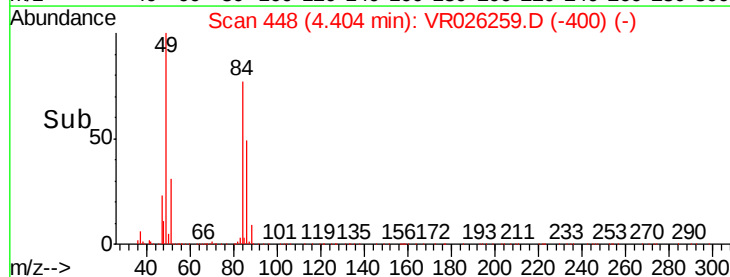
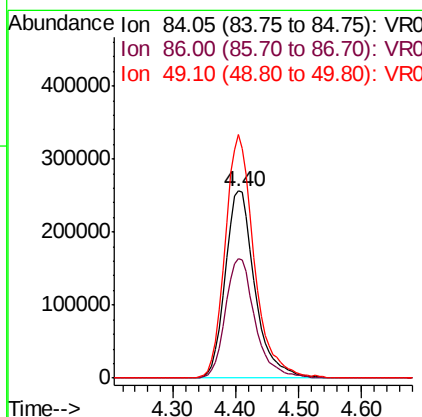
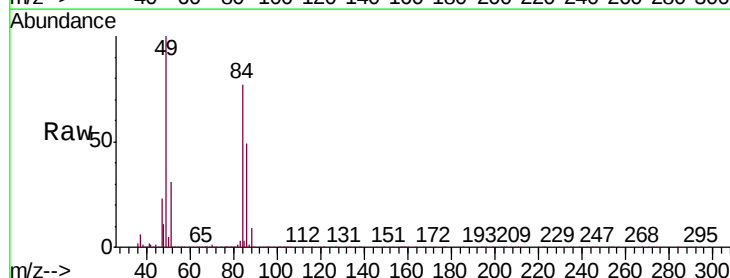
Instrument :
MSVOA_R
ClientSampleId :
VSTD02081

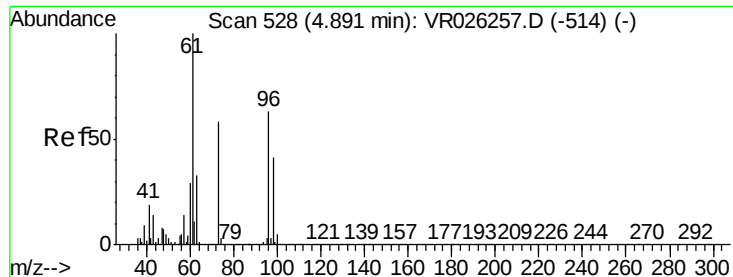
Tgt Ion: 43 Resp: 182727
Ion Ratio Lower Upper
43 100
74 24.0 21.0 31.4



#16
Methylene chloride
Concen: 16.408 ug/L
RT: 4.40 min Scan# 448
Delta R.T. -0.01 min
Lab File: VR026259.D
Acq: 21 Nov 2018 13:50

Tgt Ion: 84 Resp: 835704
Ion Ratio Lower Upper
84 100
86 63.7 46.8 87.0
49 130.4 90.8 168.6

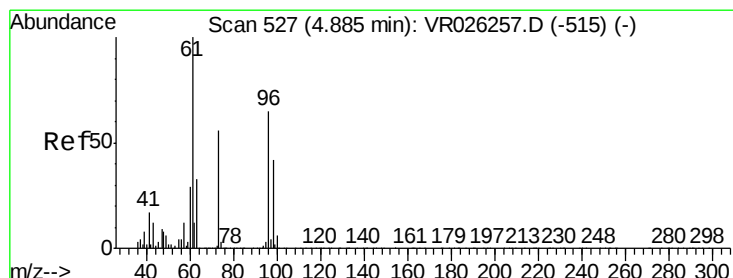
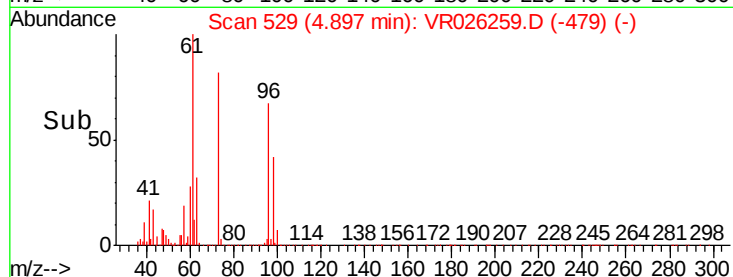
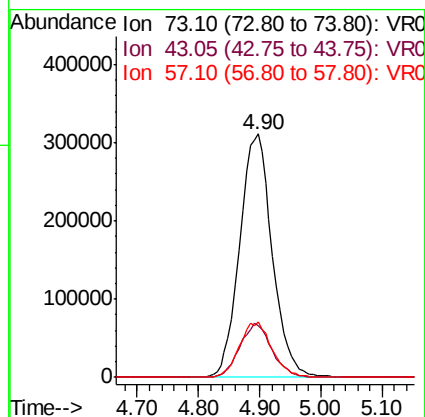
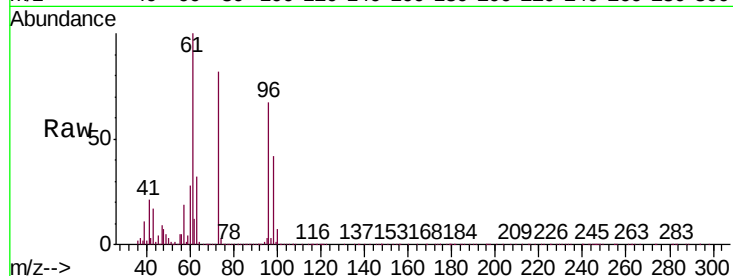




#17
Methyl tert-butyl Ether
Concen: 20.711 ug/L
RT: 4.90 min Scan# 529
Delta R.T. 0.01 min
Lab File: VR026259.D
Acq: 21 Nov 2018 13:50

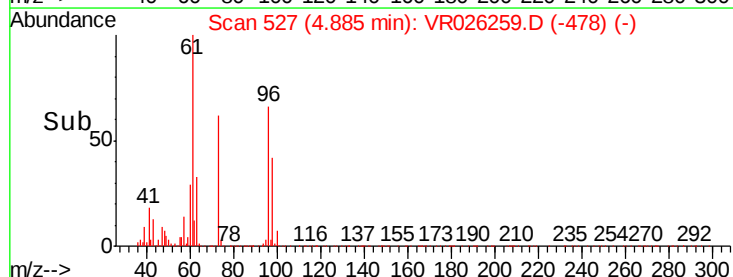
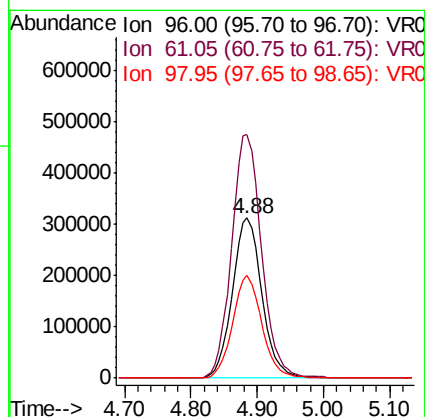
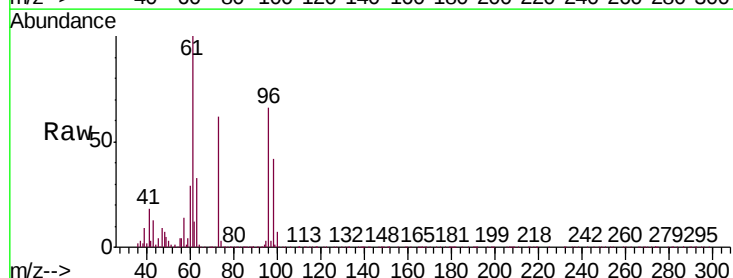
Instrument :
MSVOA_R
ClientSampleId :
VSTD02081

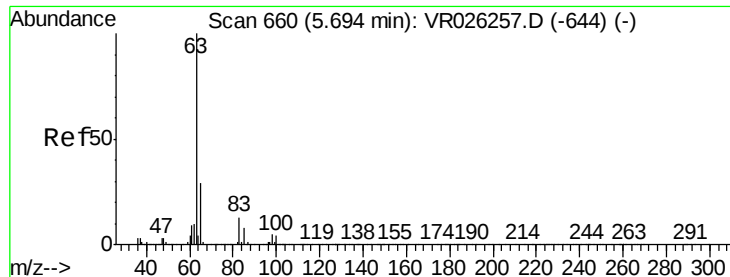
Tgt Ion: 73 Resp: 1145691
Ion Ratio Lower Upper
73 100
43 21.7 19.0 28.6
57 22.6 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 20.384 ug/L
RT: 4.88 min Scan# 527
Delta R.T. -0.00 min
Lab File: VR026259.D
Acq: 21 Nov 2018 13:50

Tgt Ion: 96 Resp: 963205
Ion Ratio Lower Upper
96 100
61 151.9 108.4 201.4
98 64.3 45.2 84.0





#19

1,1-Dichloroethane

Concen: 19.622 ug/L

RT: 5.69 min Scan# 660

Delta R.T. -0.00 min

Lab File: VR026259.D

Acq: 21 Nov 2018 13:50

Instrument :

MSVOA_R

ClientSampleId :

VSTD02081

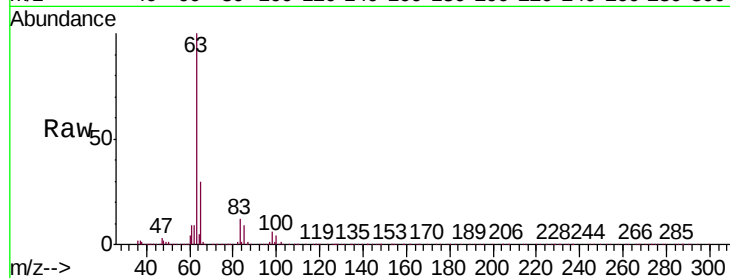
Tgt Ion: 63 Resp: 1689097

Ion	Ratio	Lower	Upper
63	100		
65	30.3	20.0	37.2
83	12.3	8.9	16.5

63 100

65 30.3 20.0 37.2

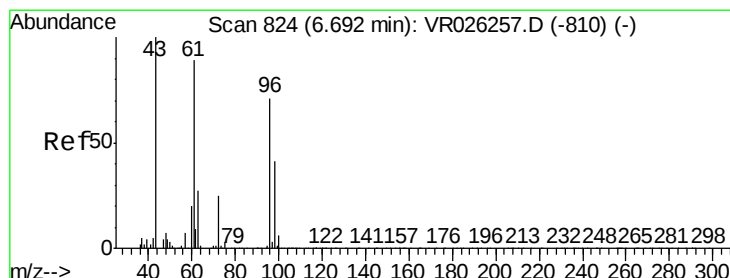
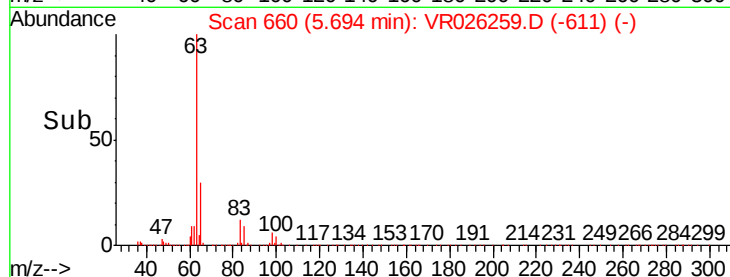
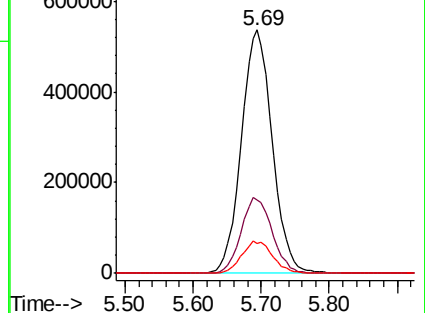
83 12.3 8.9 16.5



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: 208.546 ug/L

RT: 6.69 min Scan# 823

Delta R.T. -0.01 min

Lab File: VR026259.D

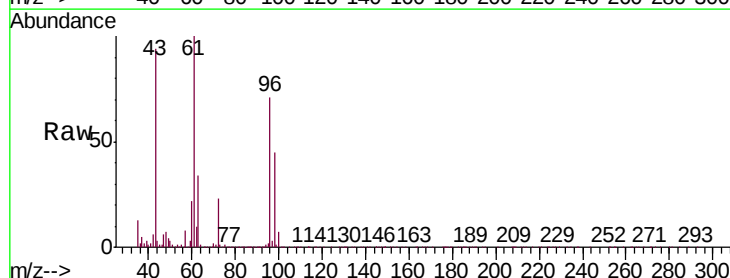
Acq: 21 Nov 2018 13:50

Tgt Ion: 43 Resp: 1027283

Ion	Ratio	Lower	Upper
43	100		
72	24.7	12.3	36.8

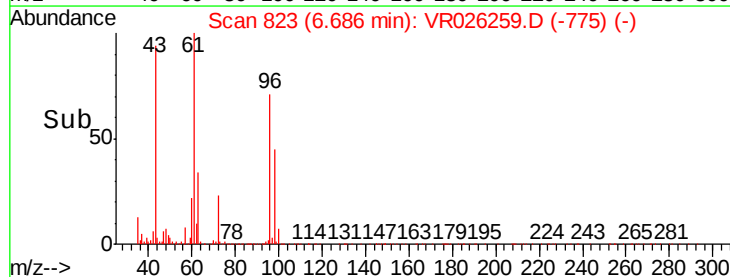
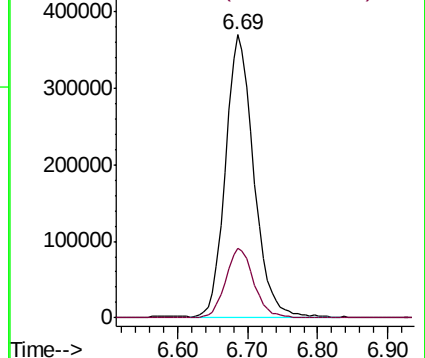
43 100

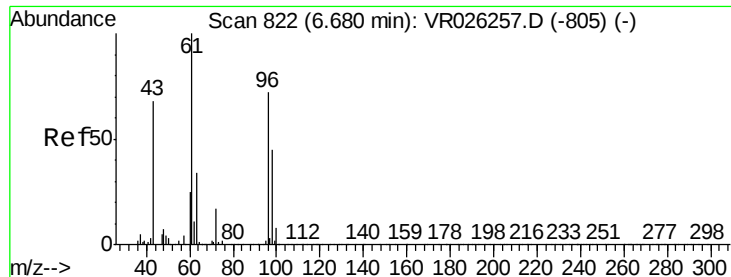
72 24.7 12.3 36.8



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 72.10 (71.80 to 72.80): VR0



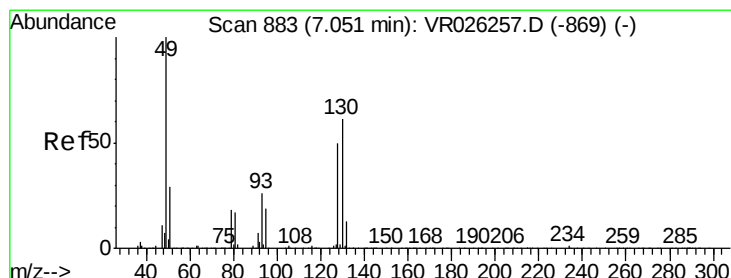
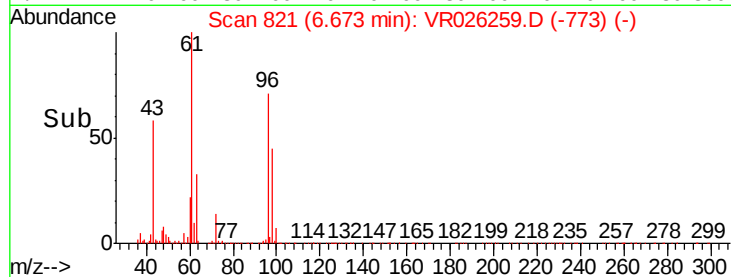
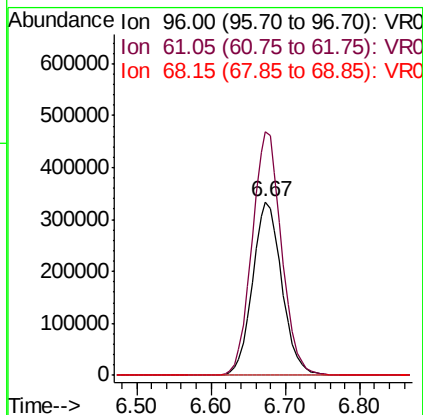
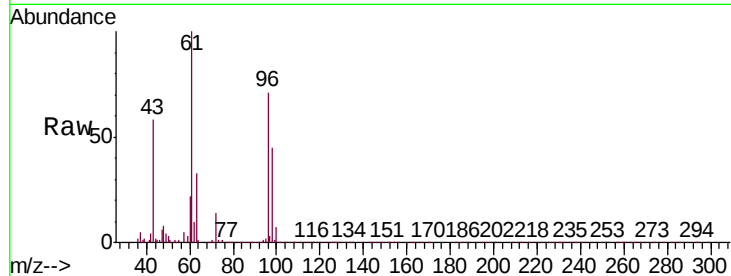


#22

cis-1,2-Dichloroethene
 Concen: 21.749 ug/L
 RT: 6.67 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: VR026259.D
 Acq: 21 Nov 2018 13:50

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02081

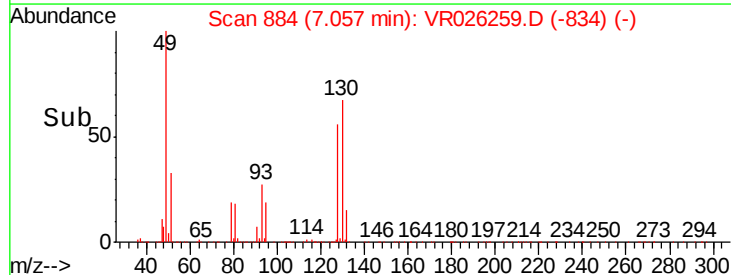
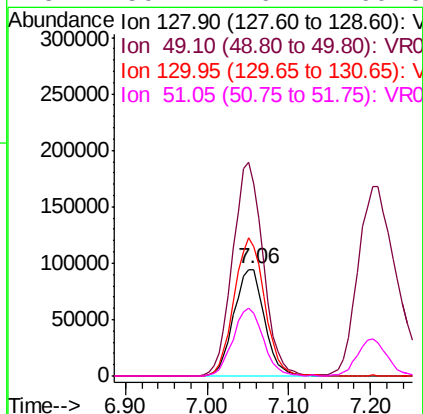
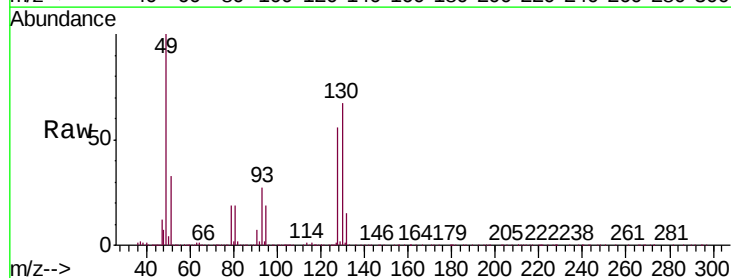
Tgt Ion: 96 Resp: 917586
 Ion Ratio Lower Upper
 96 100
 61 140.2 97.6 181.4
 68 0.1 0.0 0.0#

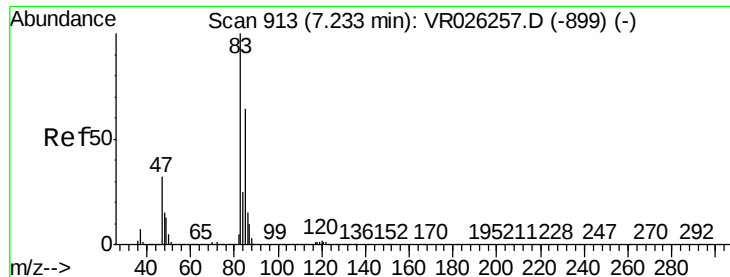


#23

Bromochloromethane
 Concen: 18.723 ug/L
 RT: 7.06 min Scan# 884
 Delta R.T. 0.01 min
 Lab File: VR026259.D
 Acq: 21 Nov 2018 13:50

Tgt Ion: 128 Resp: 245642
 Ion Ratio Lower Upper
 128 100
 49 179.8 140.3 260.6
 130 120.8 85.2 158.2
 51 59.2 46.4 69.6

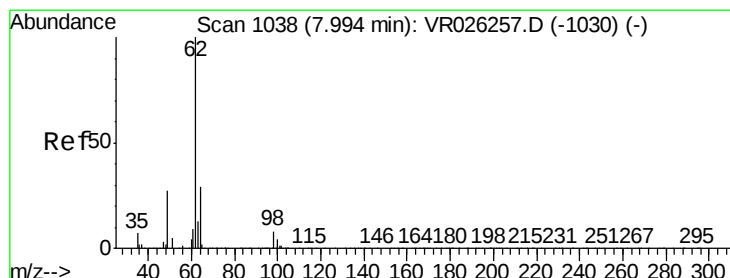
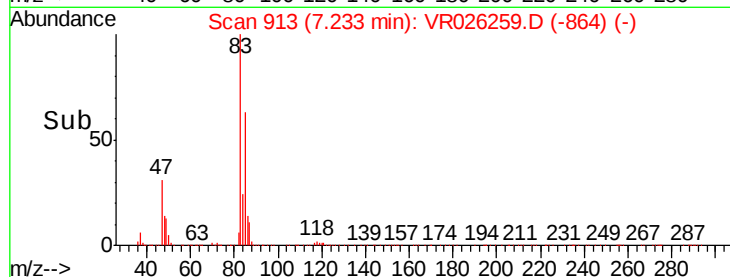
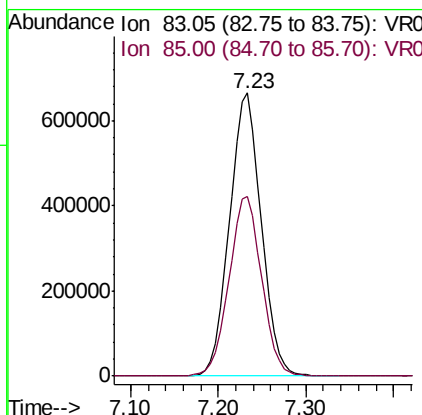
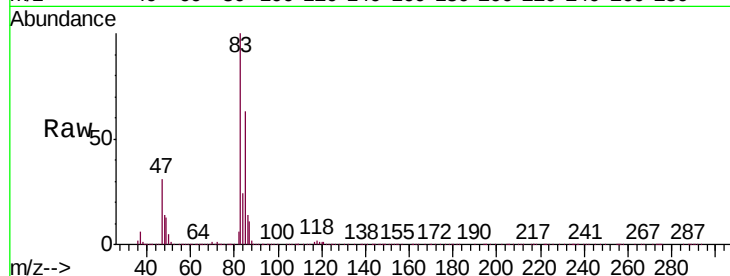




#25
Chloroform
Concen: 17.613 ug/L
RT: 7.23 min Scan# 913
Delta R.T. -0.00 min
Lab File: VR026259.D
Acq: 21 Nov 2018 13:50

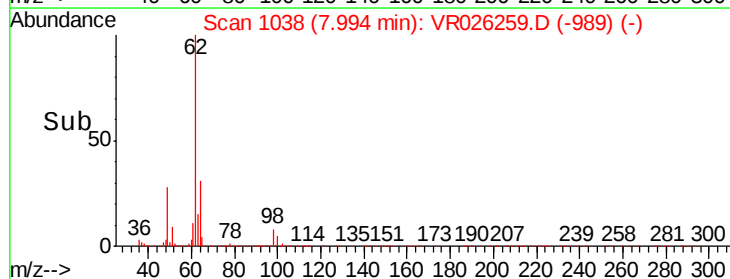
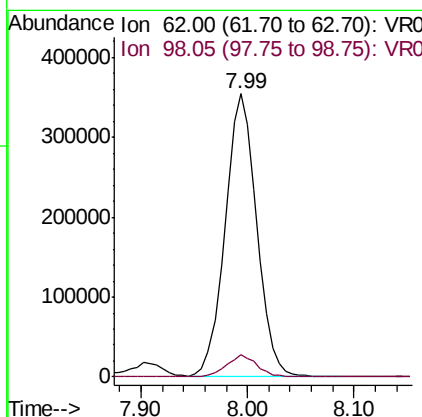
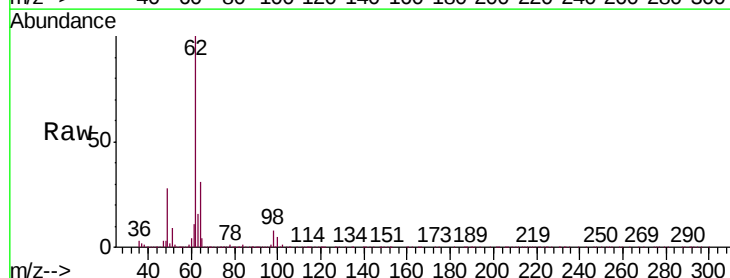
Instrument :
MSVOA_R
ClientSampleId :
VSTD02081

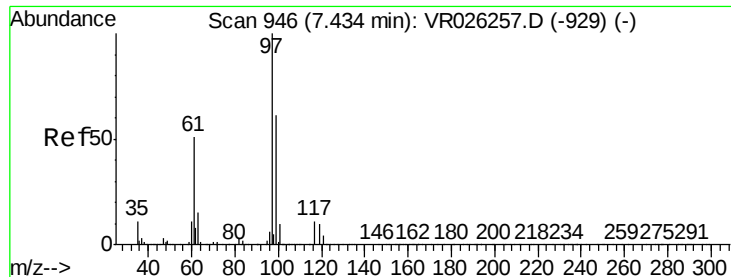
Tgt Ion: 83 Resp: 1673772
Ion Ratio Lower Upper
83 100
85 63.5 45.1 83.9



#27
1,2-Dichloroethane
Concen: 18.620 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VR026259.D
Acq: 21 Nov 2018 13:50

Tgt Ion: 62 Resp: 729015
Ion Ratio Lower Upper
62 100
98 7.7 6.0 9.0

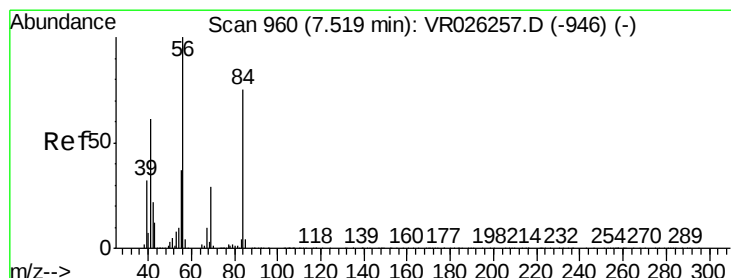
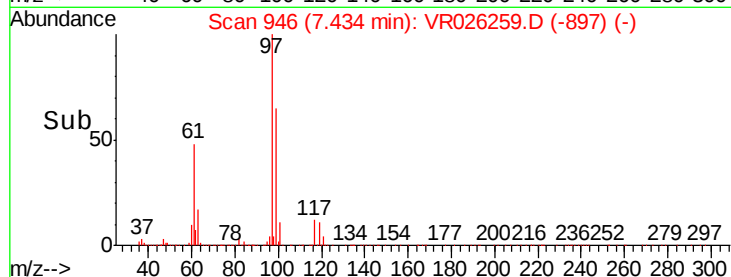
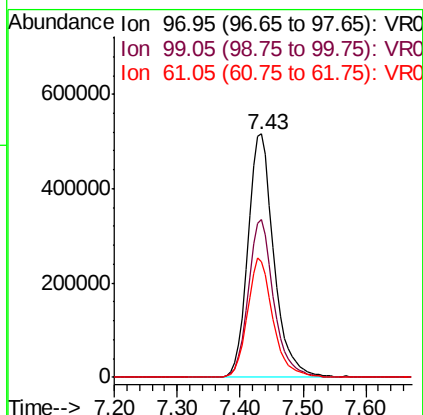
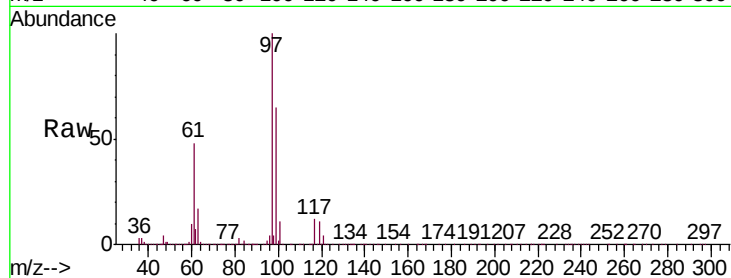




#29
1,1,1-Trichloroethane
Concen: 19.421 ug/L
RT: 7.43 min Scan# 946
Delta R.T. -0.00 min
Lab File: VR026259.D
Acq: 21 Nov 2018 13:50

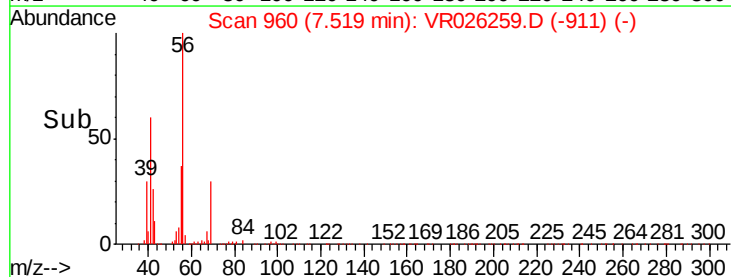
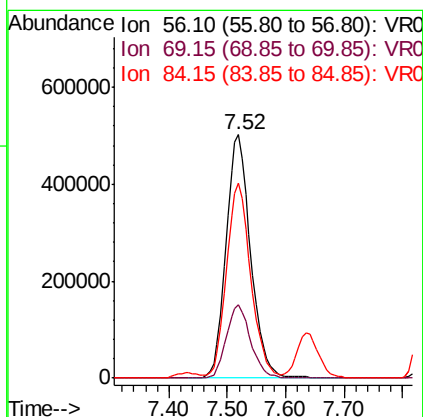
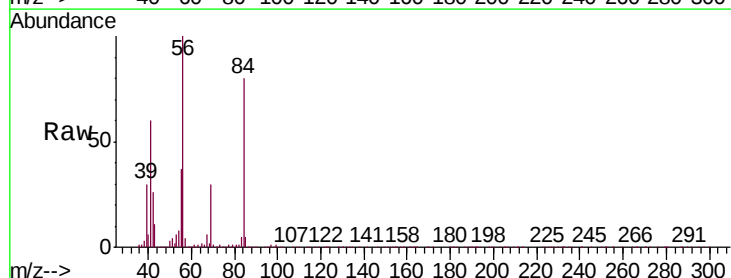
Instrument :
MSVOA_R
ClientSampleId :
VSTD02081

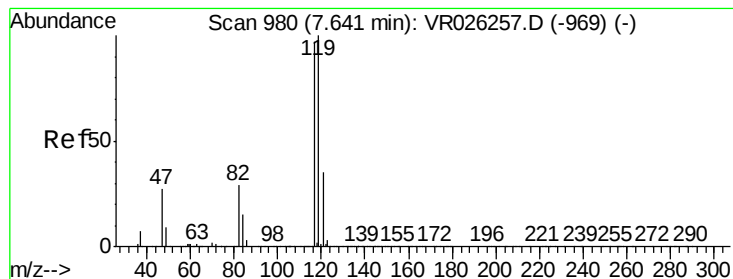
Tgt Ion: 97 Resp: 1471153
Ion Ratio Lower Upper
97 100
99 63.9 50.7 76.1
61 48.4 40.2 60.4



#30
Cyclohexane
Concen: 22.522 ug/L
RT: 7.52 min Scan# 960
Delta R.T. -0.00 min
Lab File: VR026259.D
Acq: 21 Nov 2018 13:50

Tgt Ion: 56 Resp: 1465318
Ion Ratio Lower Upper
56 100
69 29.7 23.8 35.8
84 79.1 62.4 93.6





#31

Carbon tetrachloride

Concen: 19.537 ug/L

RT: 7.63 min Scan# 979

Delta R.T. -0.01 min

Lab File: VR026259.D

Acq: 21 Nov 2018 13:50

Instrument :

MSVOA_R

ClientSampleId :

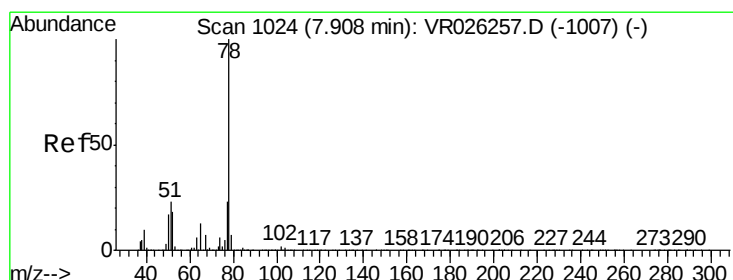
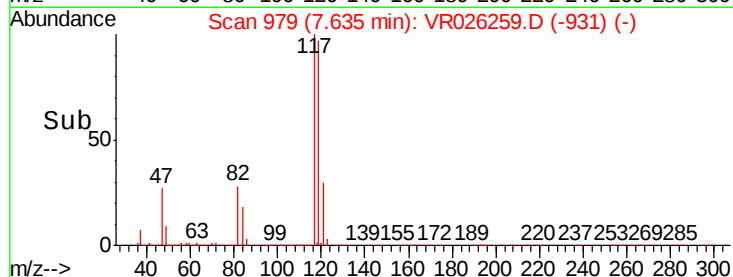
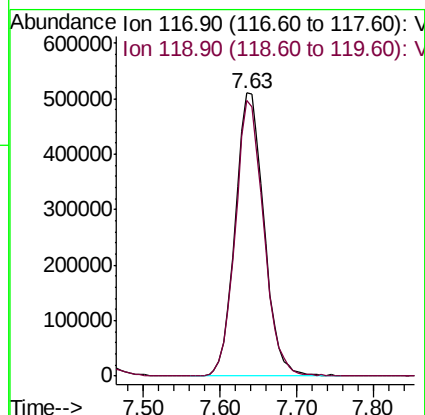
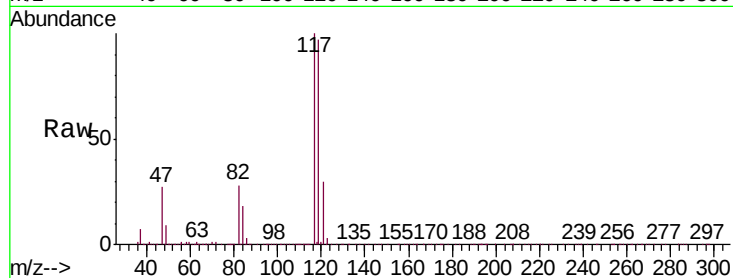
VSTD02081

Tgt Ion:117 Resp: 1326434

Ion Ratio Lower Upper

117 100

119 96.4 77.0 115.4



#33

Benzene

Concen: 20.103 ug/L

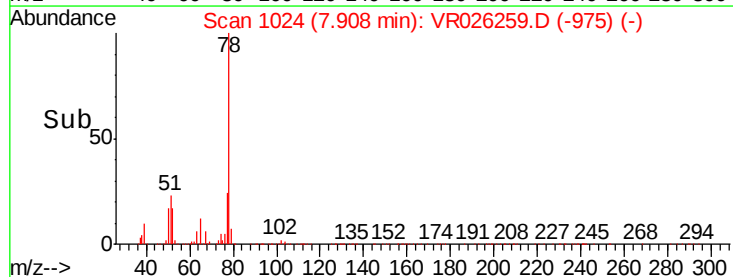
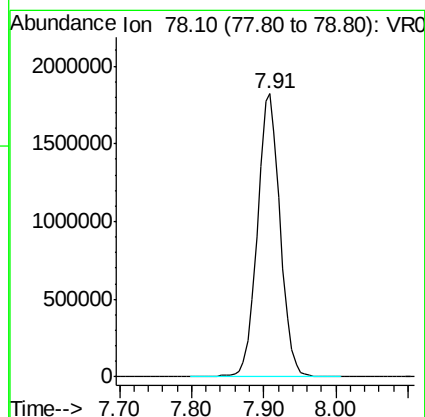
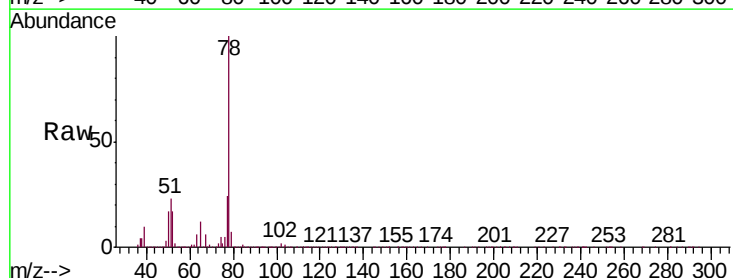
RT: 7.91 min Scan# 1024

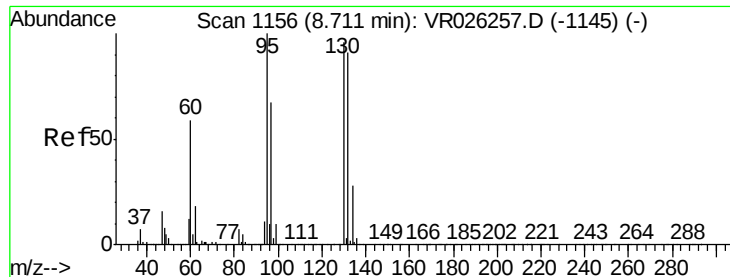
Delta R.T. -0.00 min

Lab File: VR026259.D

Acq: 21 Nov 2018 13:50

Tgt Ion: 78 Resp: 3985198

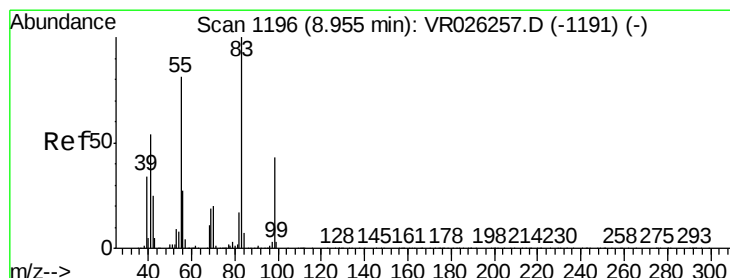
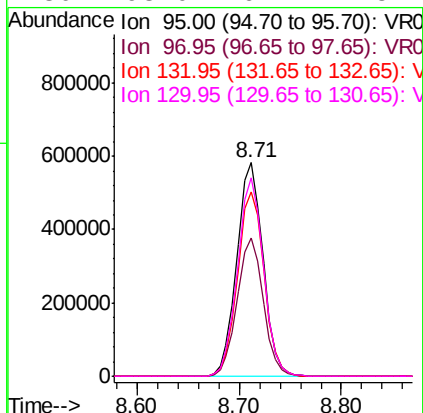
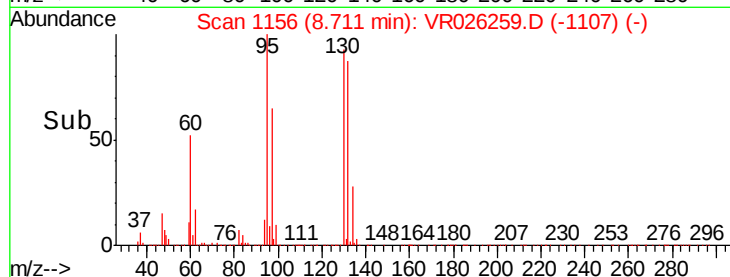
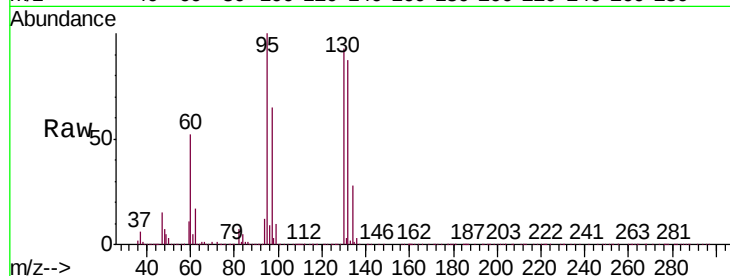




#34
 Trichloroethene
 Concen: 20.010 ug/L
 RT: 8.71 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: VR026259.D
 Acq: 21 Nov 2018 13:50

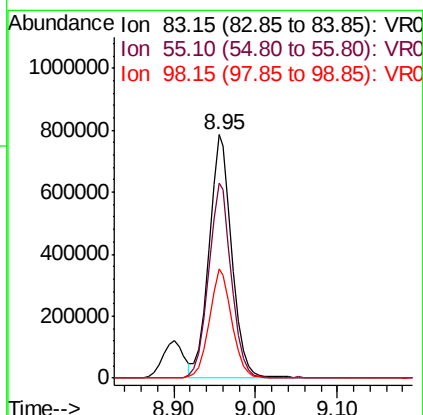
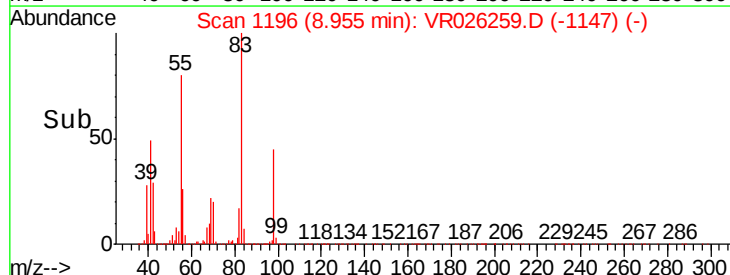
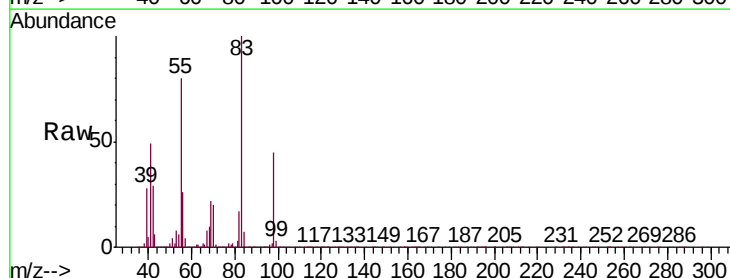
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02081

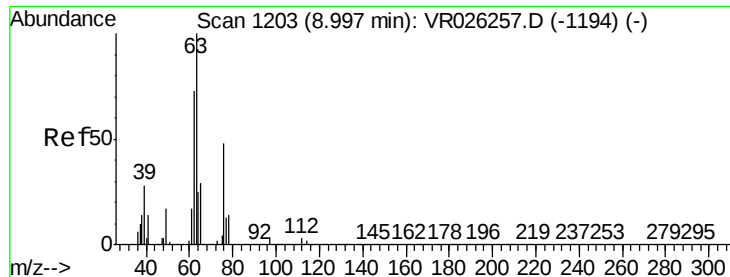
Tgt Ion: 95 Resp: 1031093
 Ion Ratio Lower Upper
 95 100
 97 64.9 46.8 87.0
 132 86.6 63.9 118.7
 130 93.0 67.4 125.2



#35
 Methylcyclohexane
 Concen: 21.969 ug/L
 RT: 8.95 min Scan# 1196
 Delta R.T. -0.00 min
 Lab File: VR026259.D
 Acq: 21 Nov 2018 13:50

Tgt Ion: 83 Resp: 1528244
 Ion Ratio Lower Upper
 83 100
 55 81.0 66.8 100.2
 98 44.8 34.8 52.2

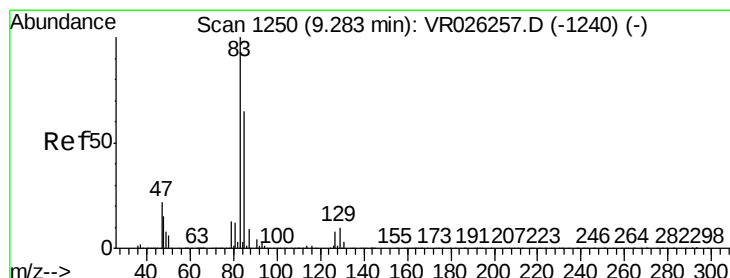
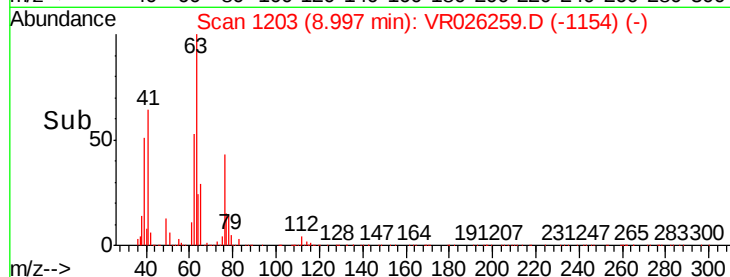
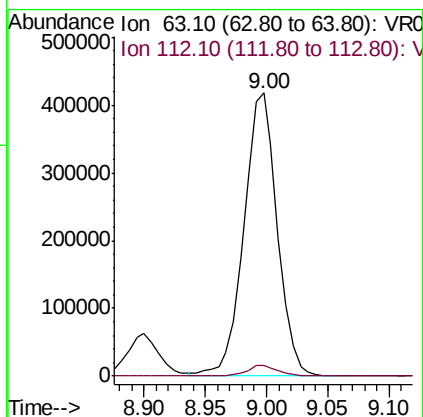
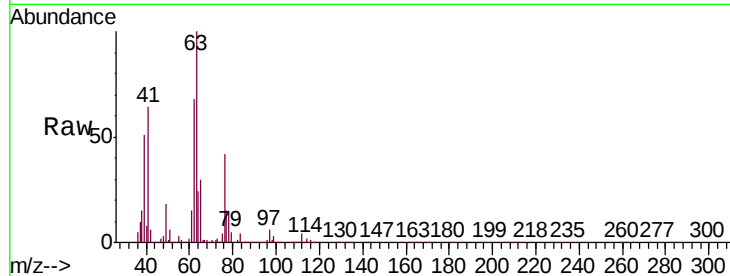




#37
1,2-Dichloropropane
Concen: 18.956 ug/L
RT: 9.00 min Scan# 1203
Delta R.T. -0.00 min
Lab File: VR026259.D
Acq: 21 Nov 2018 13:50

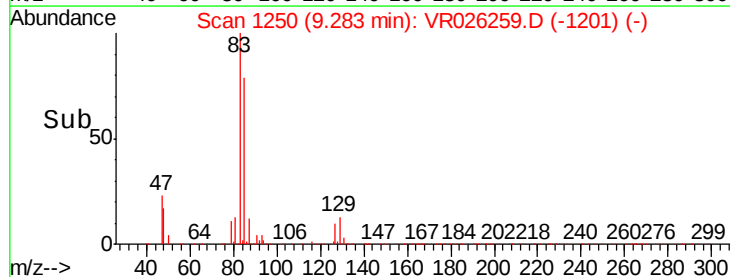
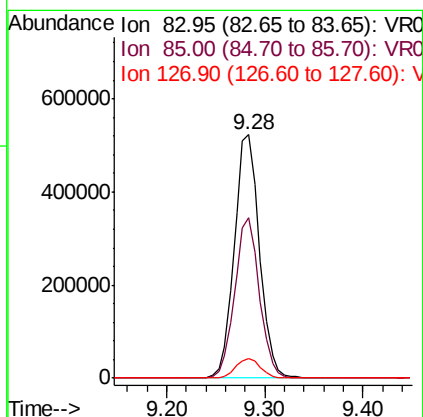
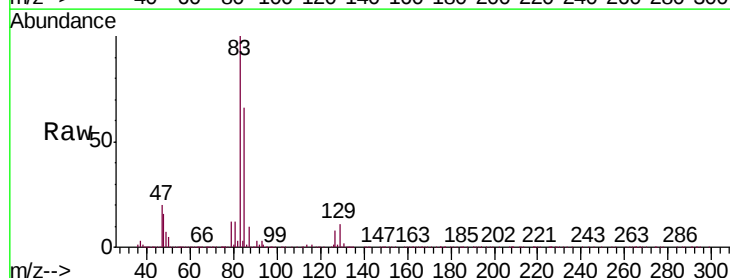
Instrument :
MSVOA_R
ClientSampleId :
VSTD02081

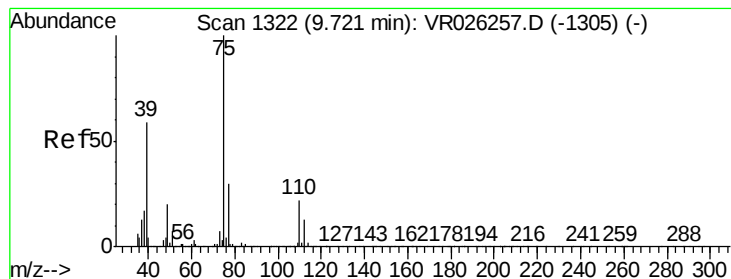
Tgt Ion: 63 Resp: 785424
Ion Ratio Lower Upper
63 100
112 3.6 3.0 4.6



#38
Bromodichloromethane
Concen: 18.936 ug/L
RT: 9.28 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VR026259.D
Acq: 21 Nov 2018 13:50

Tgt Ion: 83 Resp: 926751
Ion Ratio Lower Upper
83 100
85 65.9 45.5 84.5
127 8.3 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 22.810 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VR026259.D

Acq: 21 Nov 2018 13:50

Instrument :

MSVOA_R

ClientSampleId :

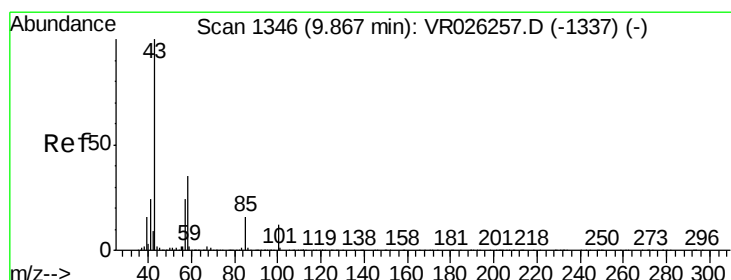
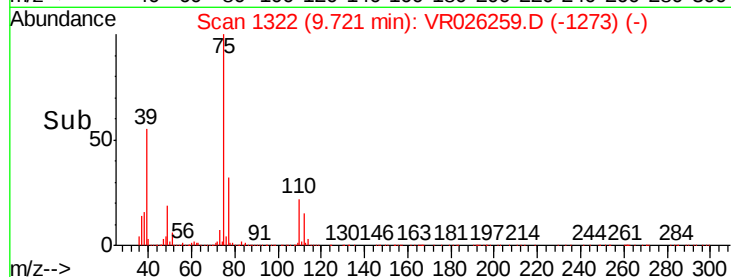
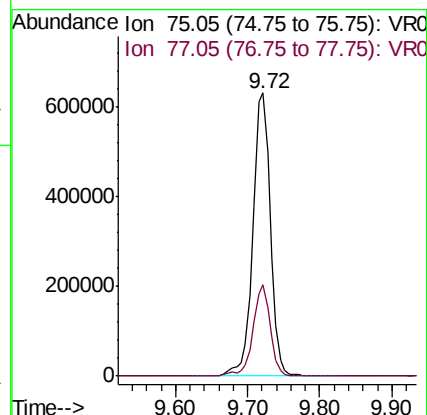
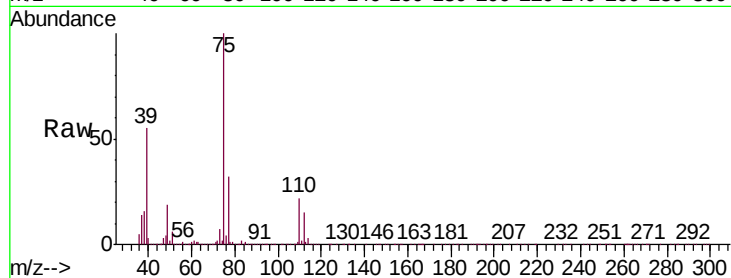
VSTD02081

Tgt Ion: 75 Resp: 1062210

Ion Ratio Lower Upper

75 100

77 32.1 20.9 38.7



#40

4-Methyl-2-pentanone

Concen: 213.090 ug/L

RT: 9.87 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VR026259.D

Acq: 21 Nov 2018 13:50

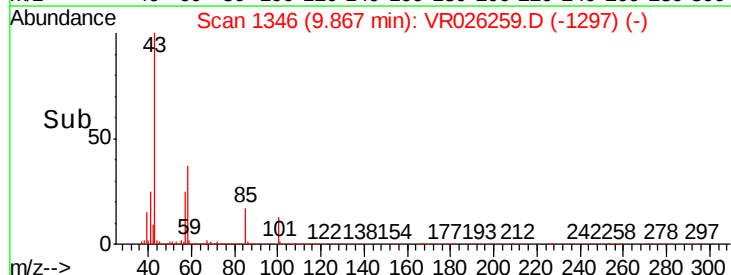
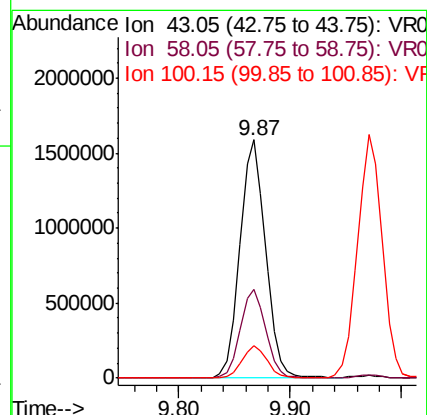
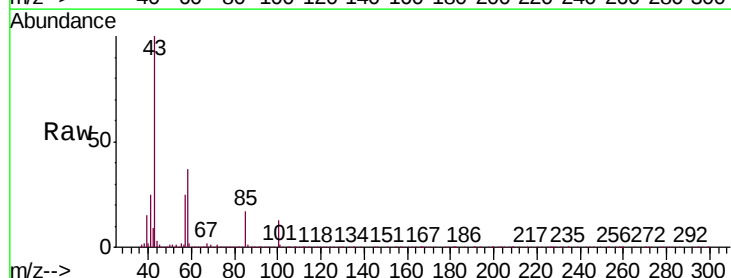
Tgt Ion: 43 Resp: 2526746

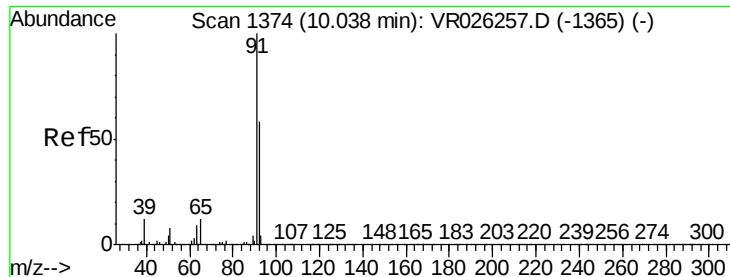
Ion Ratio Lower Upper

43 100

58 36.8 28.6 42.8

100 13.2 10.0 15.0





#42

Toluene

Concen: 20.008 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. -0.00 min

Lab File: VR026259.D

Acq: 21 Nov 2018 13:50

Instrument :

MSVOA_R

ClientSampled :

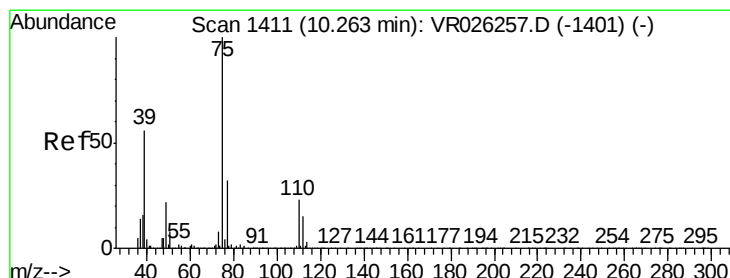
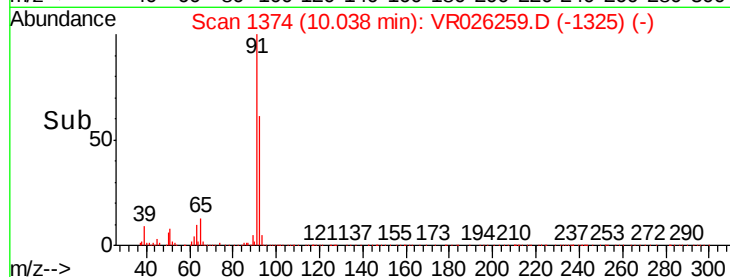
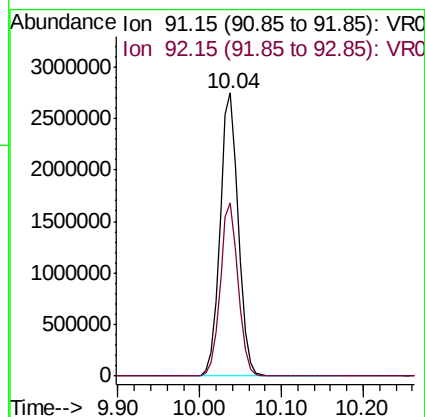
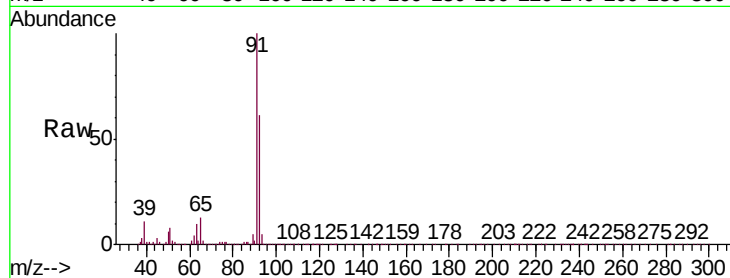
VSTD02081

Tgt Ion: 91 Resp: 4304039

Ion Ratio Lower Upper

91 100

92 61.1 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 23.078 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR026259.D

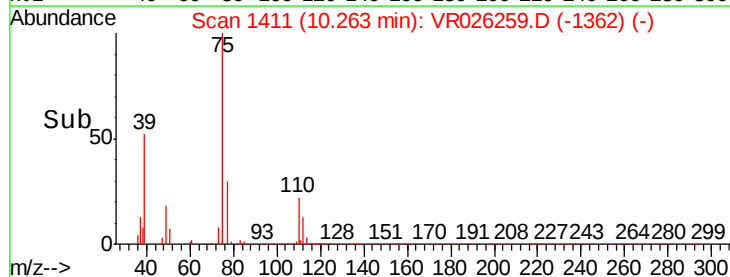
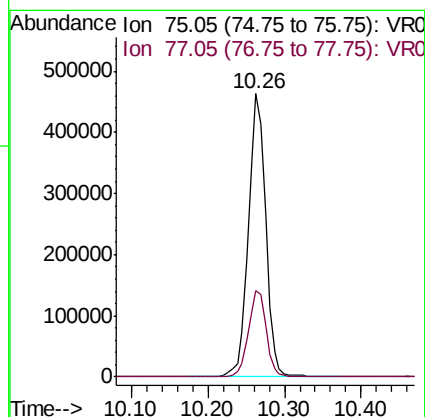
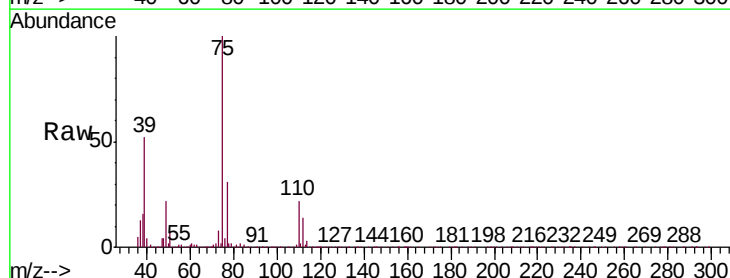
Acq: 21 Nov 2018 13:50

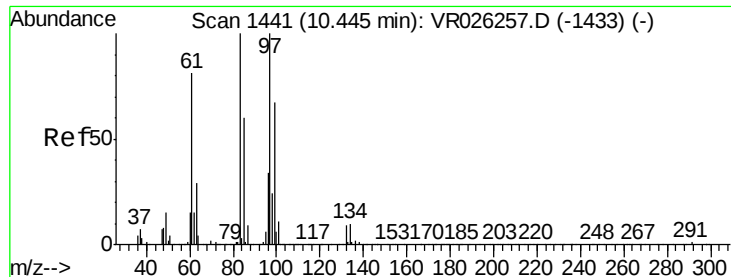
Tgt Ion: 75 Resp: 727907

Ion Ratio Lower Upper

75 100

77 30.6 22.4 41.6

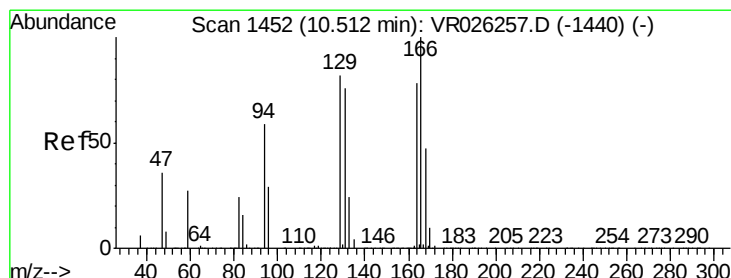
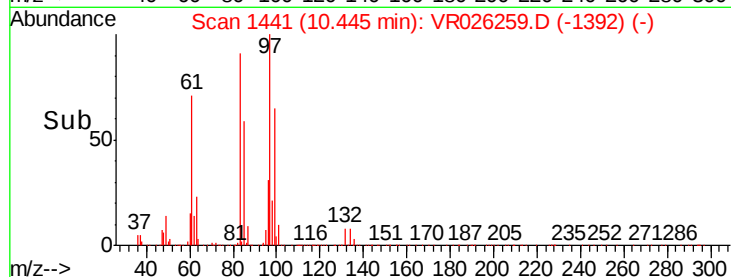
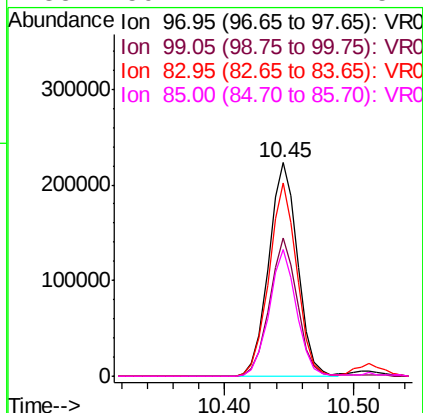
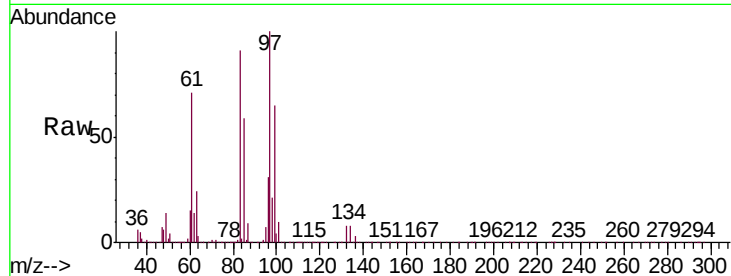




#45
 1,1,2-Trichloroethane
 Concen: 18.944 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VR026259.D
 Acq: 21 Nov 2018 13:50

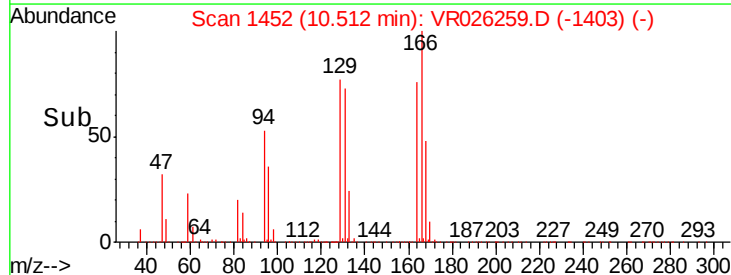
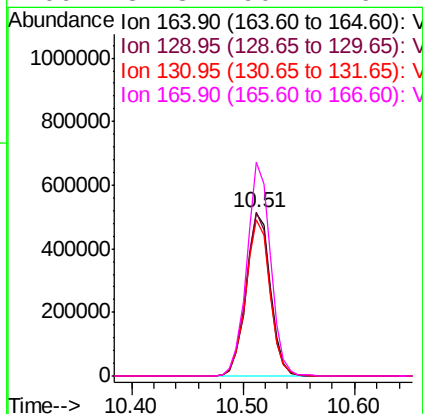
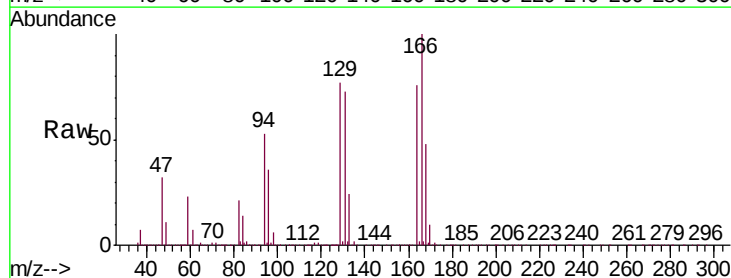
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02081

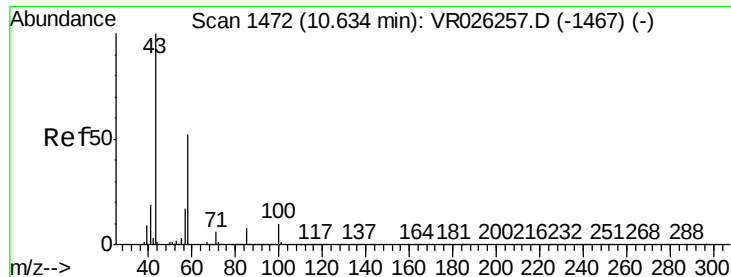
Tgt Ion: 97 Resp: 348986
 Ion Ratio Lower Upper
 97 100
 99 64.9 46.8 86.8
 83 90.5 70.1 130.3
 85 59.2 42.1 78.1



#47
 Tetrachloroethene
 Concen: 20.826 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: VR026259.D
 Acq: 21 Nov 2018 13:50

Tgt Ion: 164 Resp: 773538
 Ion Ratio Lower Upper
 164 100
 129 101.0 73.4 136.4
 131 95.9 68.9 127.9
 166 131.3 90.2 167.4



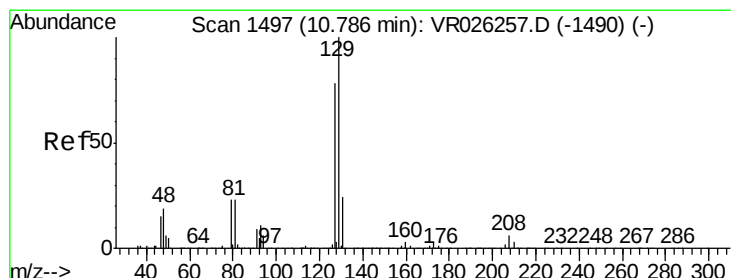
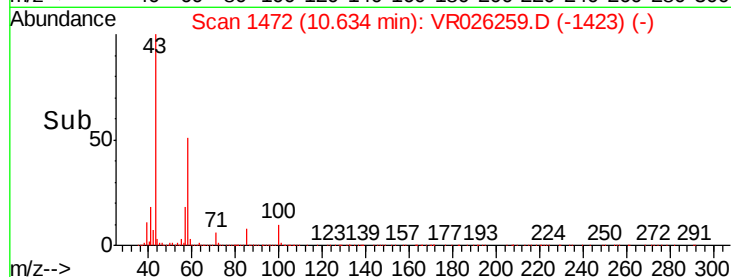
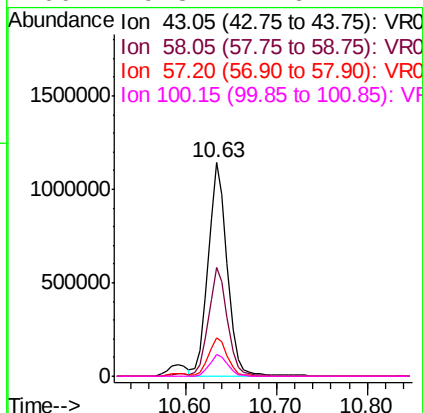
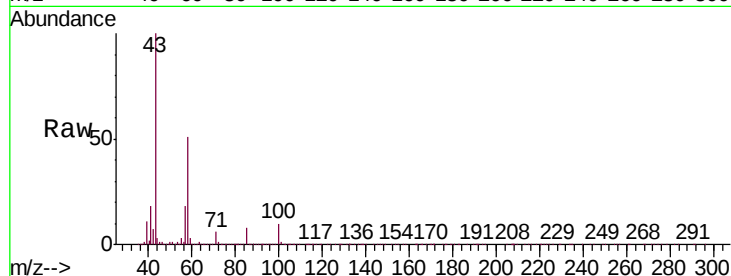


#48
2-Hexanone
Concen: 211.341 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR026259.D
Acq: 21 Nov 2018 13:50

Instrument :
MSVOA_R
ClientSampleId :
VSTD02081

Tgt Ion: 43 Resp: 1677233

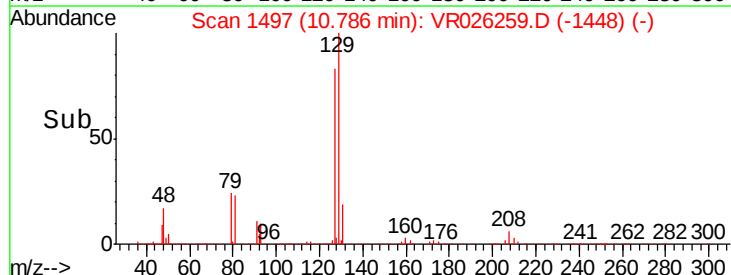
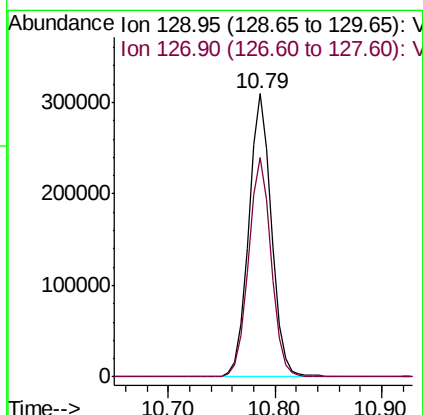
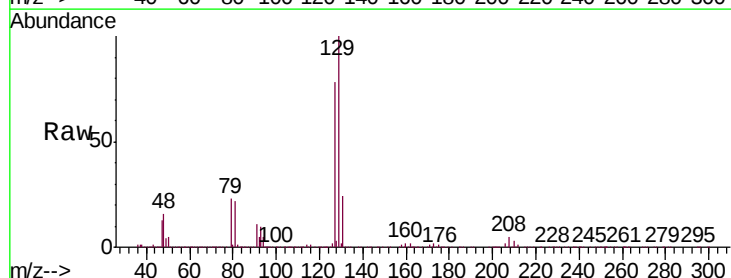
Ion	Ratio	Lower	Upper
43	100		
58	51.8	40.4	60.6
57	18.1	14.2	21.2
100	9.8	7.6	11.4

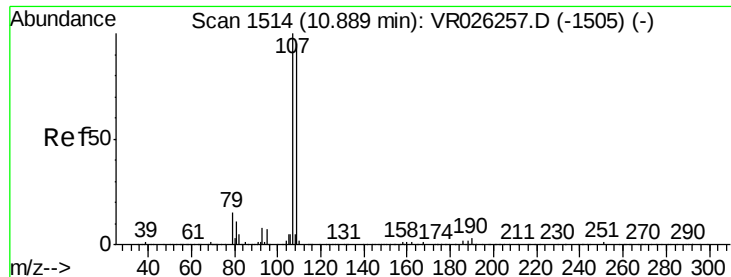


#49
Dibromochloromethane
Concen: 20.876 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VR026259.D
Acq: 21 Nov 2018 13:50

Tgt Ion: 129 Resp: 462511

Ion	Ratio	Lower	Upper
129	100		
127	77.6	54.6	101.4

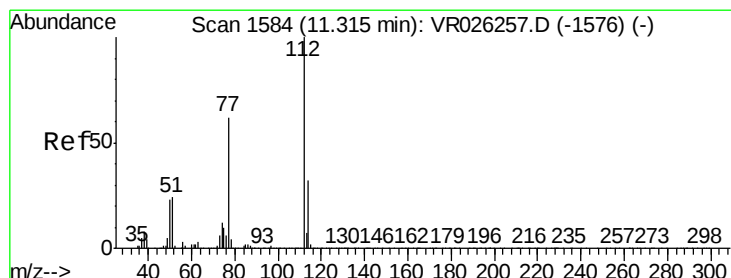
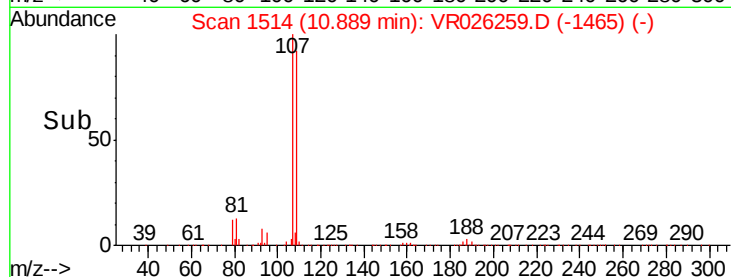
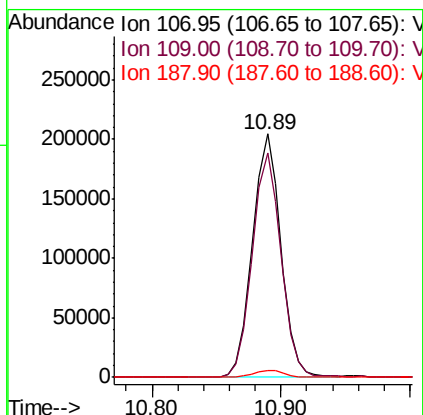
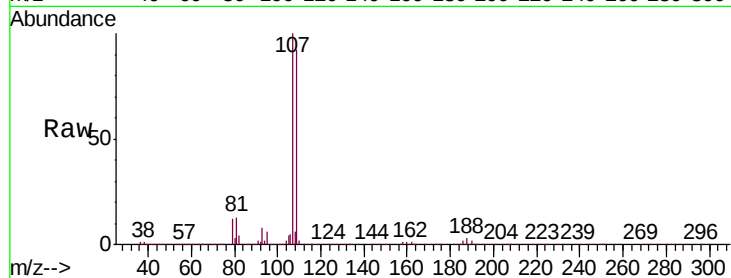




#50
1,2-Dibromoethane
Concen: 19.994 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VR026259.D
Acq: 21 Nov 2018 13:50

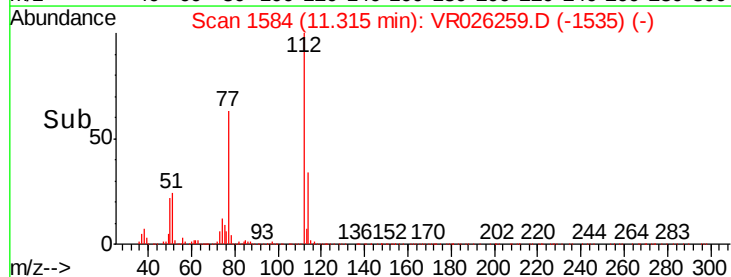
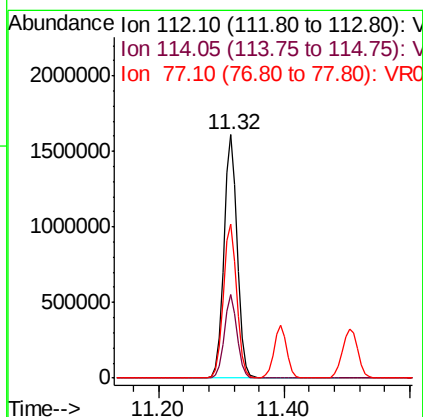
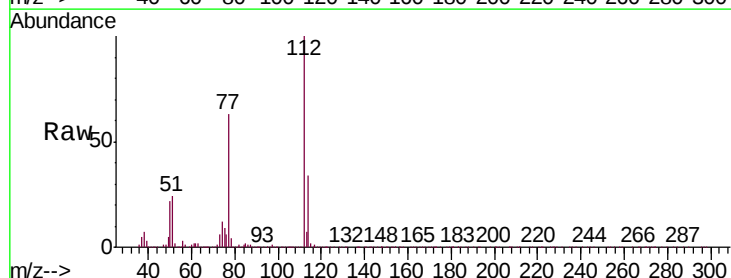
Instrument :
MSVOA_R
ClientSampleId :
VSTD02081

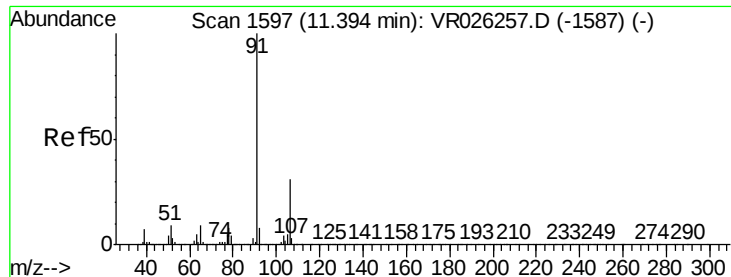
Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.3	66.6	123.6
188	2.5	2.0	3.0



#51
Chlorobenzene
Concen: 19.627 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VR026259.D
Acq: 21 Nov 2018 13:50

Tgt Ion	Ratio	Lower	Upper
112	100		
114	34.2	22.7	42.3
77	63.0	49.8	74.8





#52

Ethylbenzene

Concen: 20.551 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR026259.D

Acq: 21 Nov 2018 13:50

Instrument :

MSVOA_R

ClientSampleId :

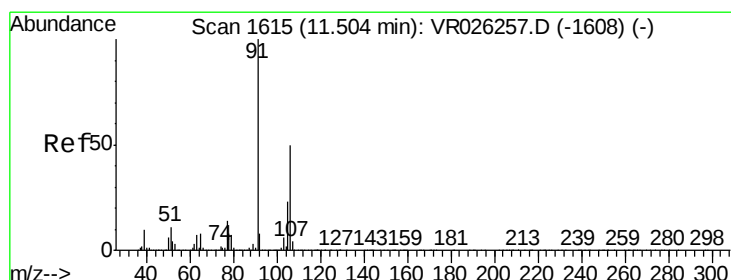
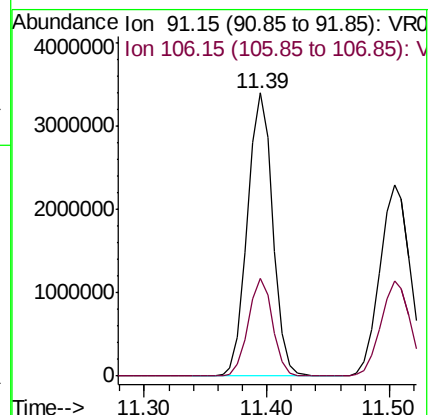
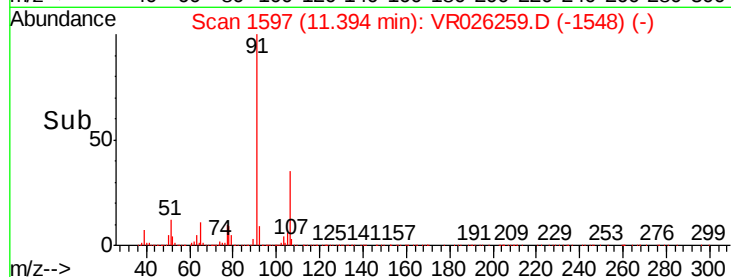
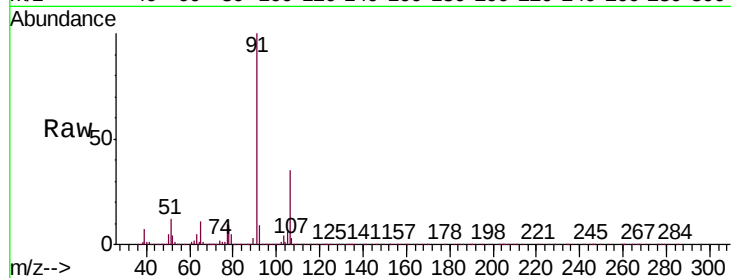
VSTD02081

Tgt Ion: 91 Resp: 4887769

Ion Ratio Lower Upper

91 100

106 34.7 22.0 41.0



#53

m,p-Xylene

Concen: 22.202 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR026259.D

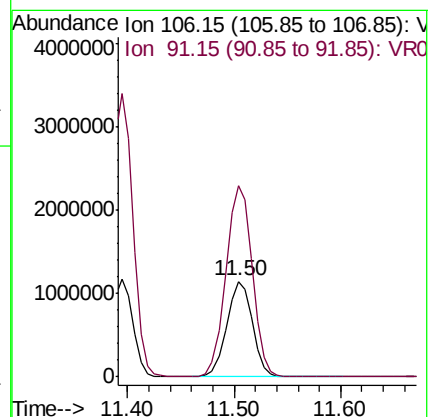
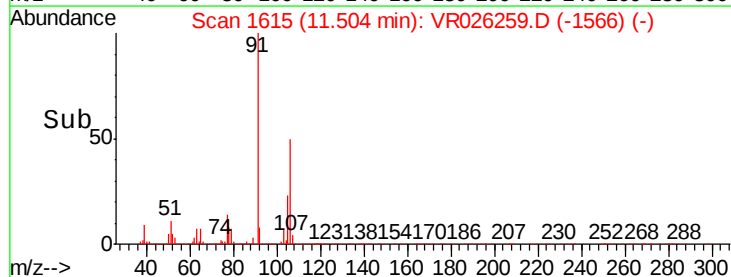
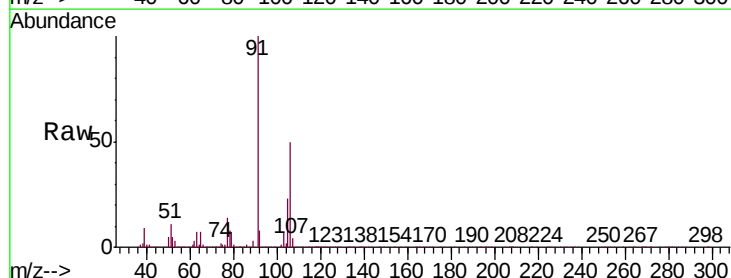
Acq: 21 Nov 2018 13:50

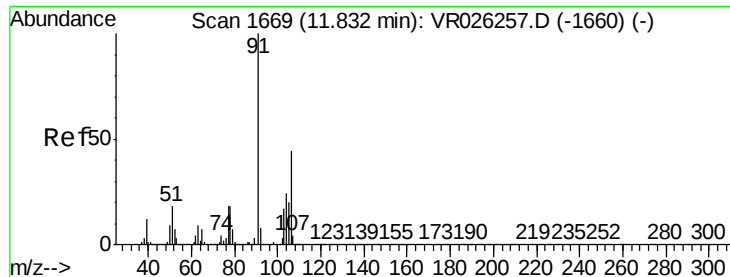
Tgt Ion: 106 Resp: 1921668

Ion Ratio Lower Upper

106 100

91 200.6 141.2 262.2

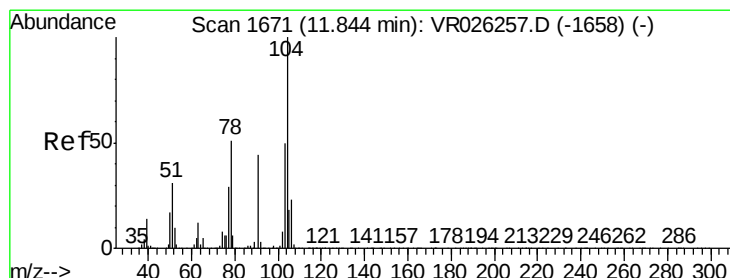
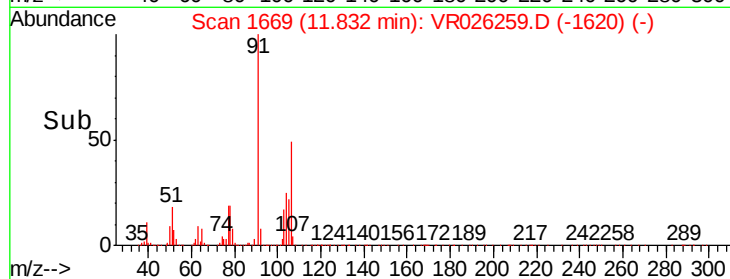
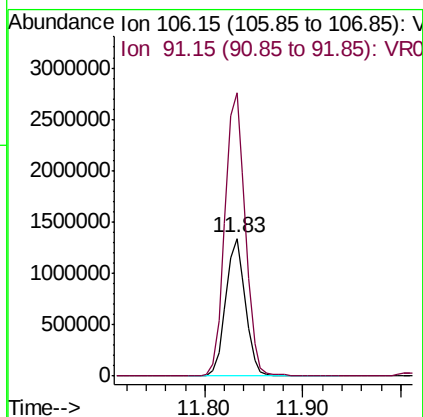
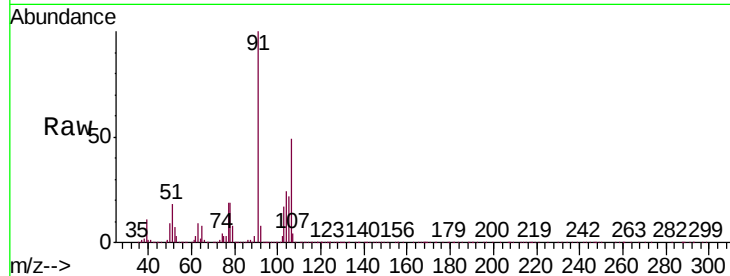




#54
o-Xylene
Concen: 23.844 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. -0.00 min
Lab File: VR026259.D
Acq: 21 Nov 2018 13:50

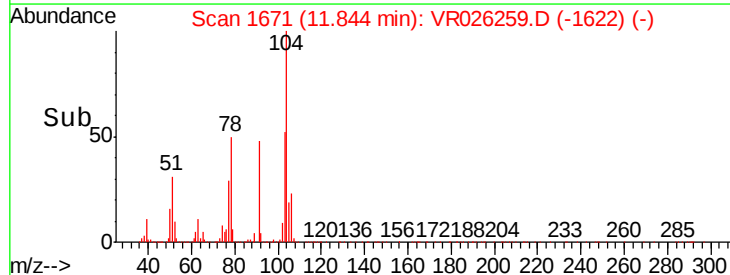
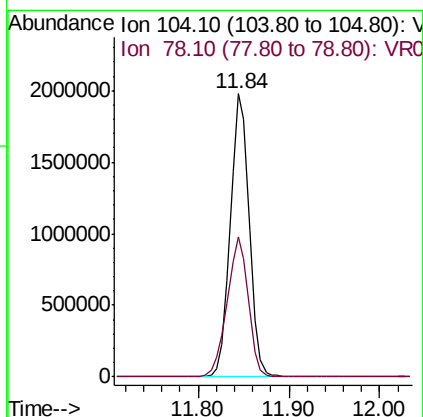
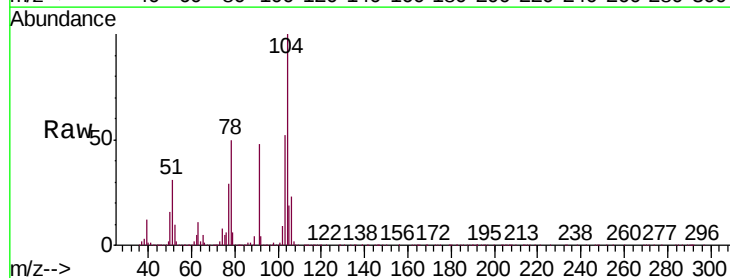
Instrument :
MSVOA_R
ClientSampleId :
VSTD02081

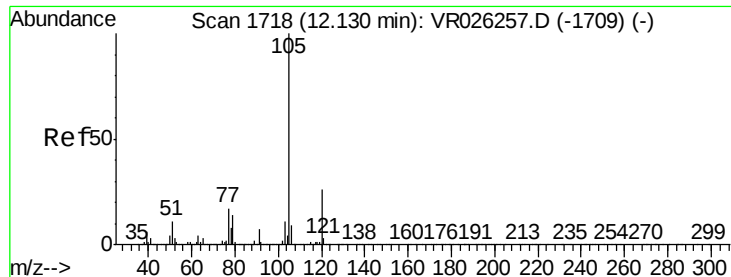
Tgt Ion:106 Resp: 1869976
Ion Ratio Lower Upper
106 100
91 205.0 159.6 296.4



#55
Styrene
Concen: 22.825 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR026259.D
Acq: 21 Nov 2018 13:50

Tgt Ion:104 Resp: 2851450
Ion Ratio Lower Upper
104 100
78 49.6 35.4 65.8





#56

Isopropylbenzene

Concen: 22.136 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR026259.D

Acq: 21 Nov 2018 13:50

Instrument :

MSVOA_R

ClientSampleId :

VSTD02081

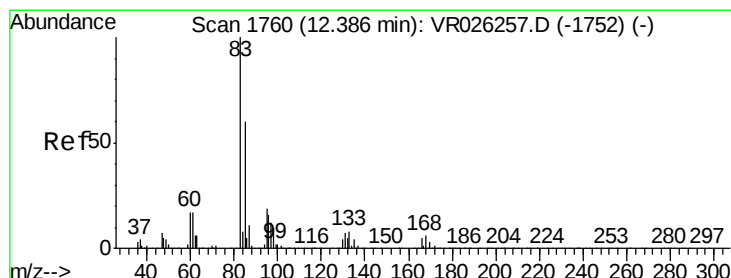
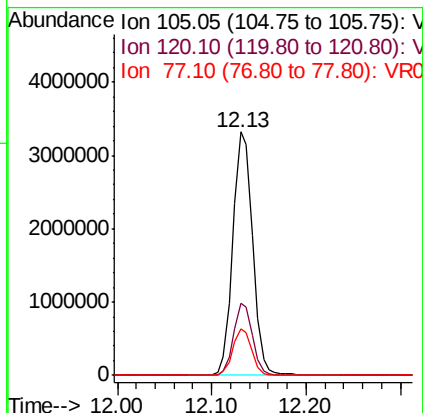
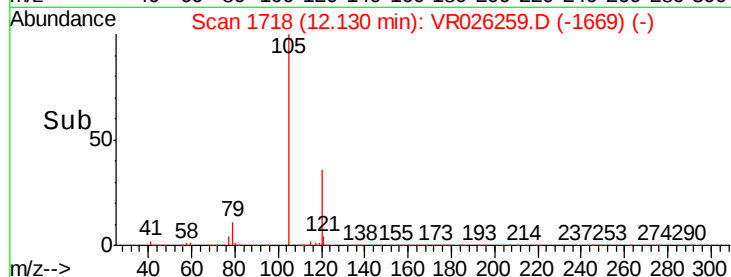
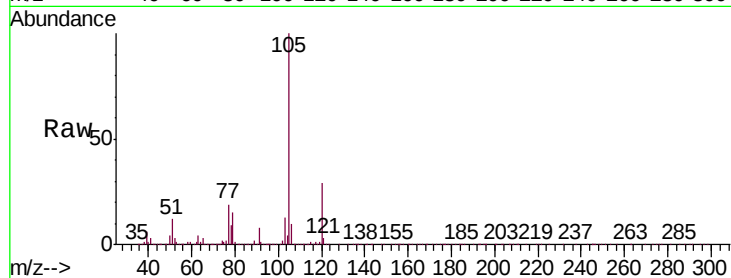
Tgt Ion:105 Resp: 4822694

Ion Ratio Lower Upper

105 100

120 28.2 20.3 30.5

77 18.3 13.8 20.8



#58

1,1,2,2-Tetrachloroethane

Concen: 18.841 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. -0.00 min

Lab File: VR026259.D

Acq: 21 Nov 2018 13:50

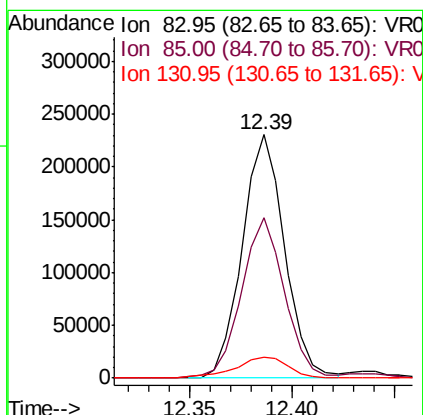
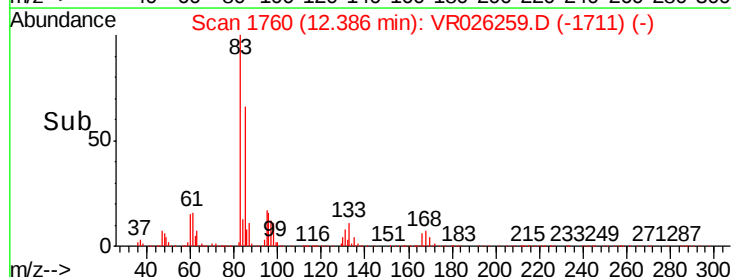
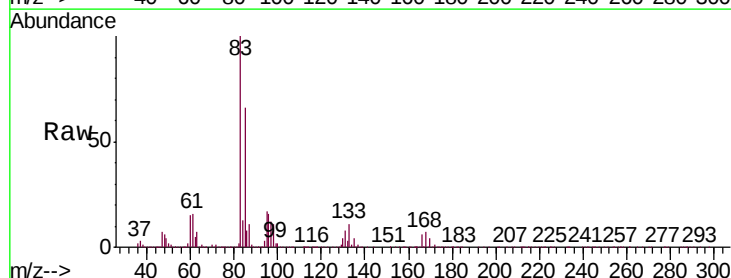
Tgt Ion: 83 Resp: 332108

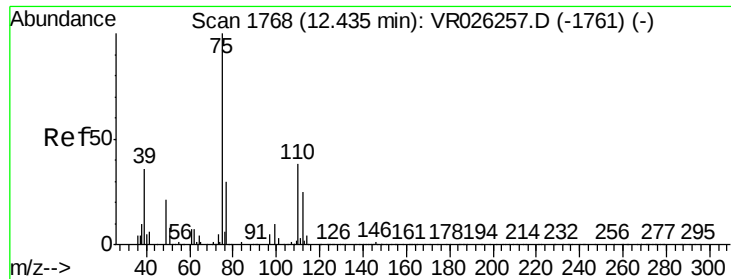
Ion Ratio Lower Upper

83 100

85 66.1 42.3 78.5

131 8.4 5.4 8.2#





#59

1,2,3-Trichloropropane

Concen: 18.830 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VR026259.D

Acq: 21 Nov 2018 13:50

Instrument :

MSVOA_R

ClientSampleId :

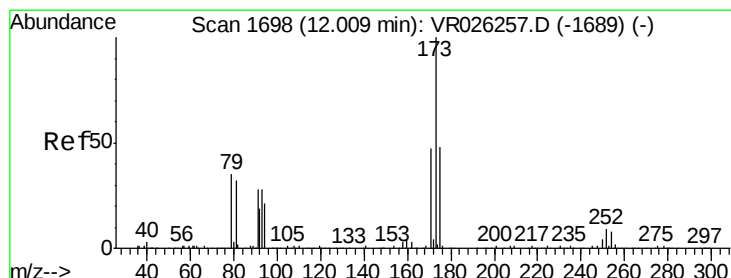
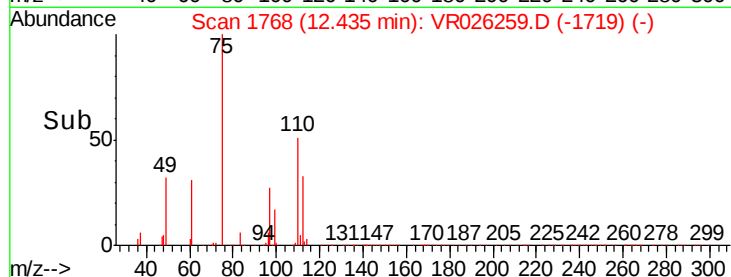
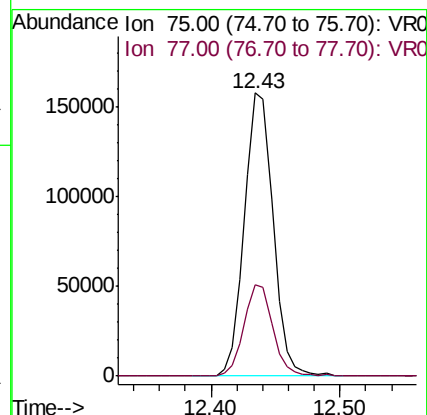
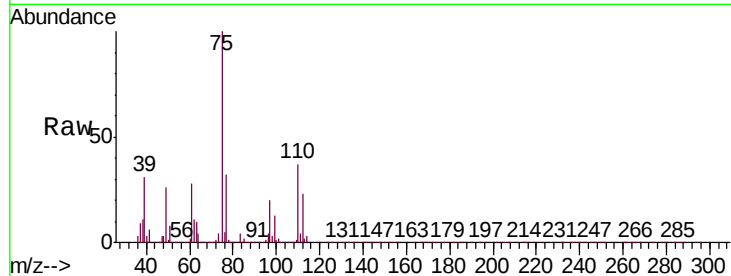
VSTD02081

Tgt Ion: 75 Resp: 242761

Ion Ratio Lower Upper

75 100

77 32.3 25.1 37.7



#61

Bromoform

Concen: 20.668 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VR026259.D

Acq: 21 Nov 2018 13:50

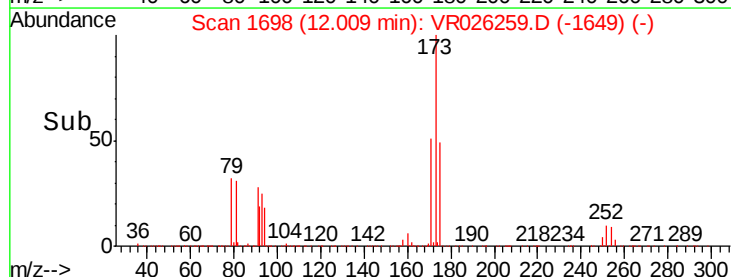
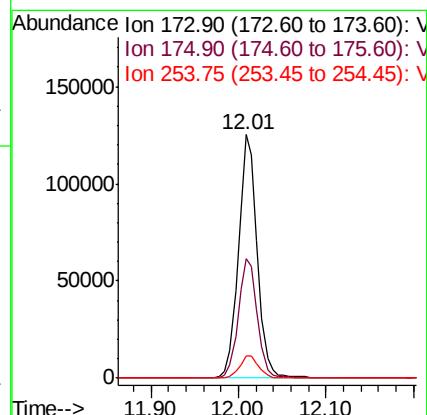
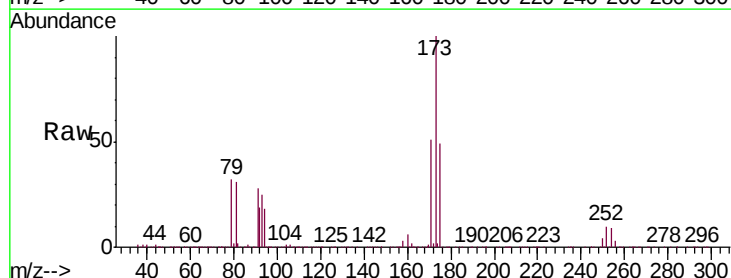
Tgt Ion: 173 Resp: 187765

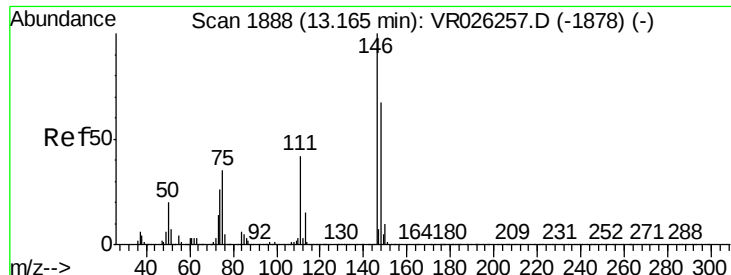
Ion Ratio Lower Upper

173 100

175 49.7 37.8 56.6

254 9.5 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 21.023 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. -0.00 min

Lab File: VR026259.D

Acq: 21 Nov 2018 13:50

Instrument :

MSVOA_R

ClientSampled :

VSTD02081

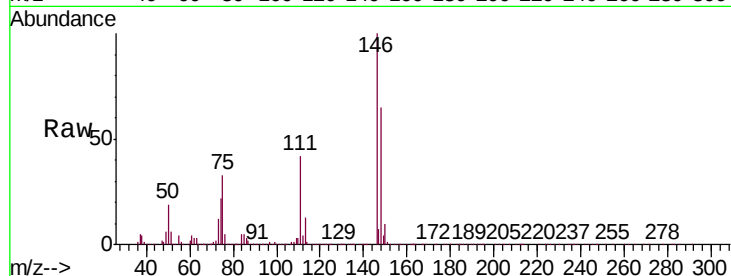
Tgt Ion:146 Resp: 1545085

Ion Ratio Lower Upper

146 100

111 42.5 29.4 54.6

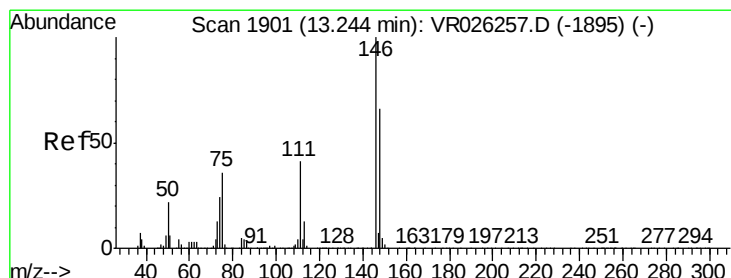
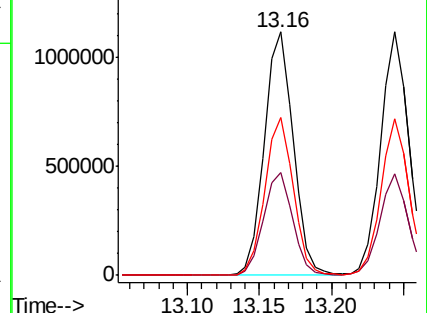
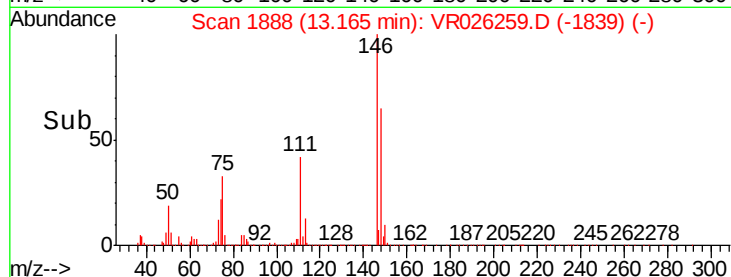
148 64.7 46.5 86.5



Abundance Ion 145.95 (145.65 to 146.65): V

1500000 Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 18.703 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VR026259.D

Acq: 21 Nov 2018 13:50

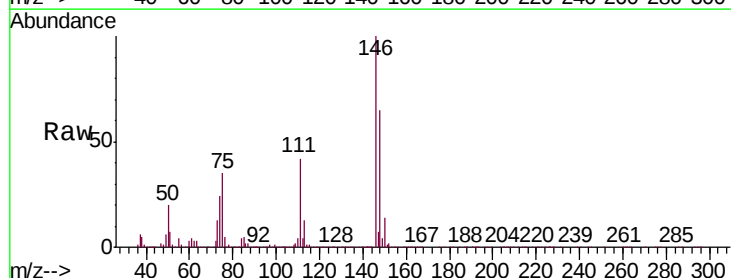
Tgt Ion:146 Resp: 1514454

Ion Ratio Lower Upper

146 100

111 41.5 28.9 53.7

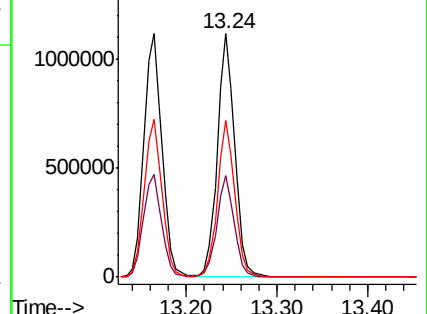
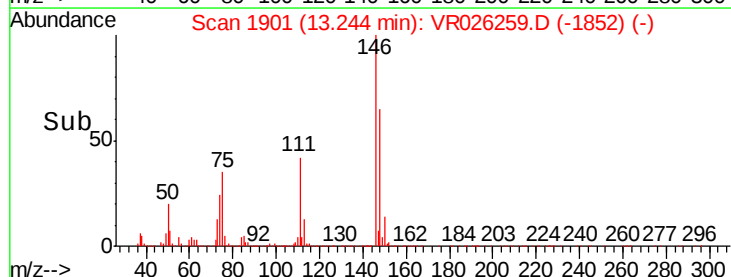
148 64.5 46.3 85.9

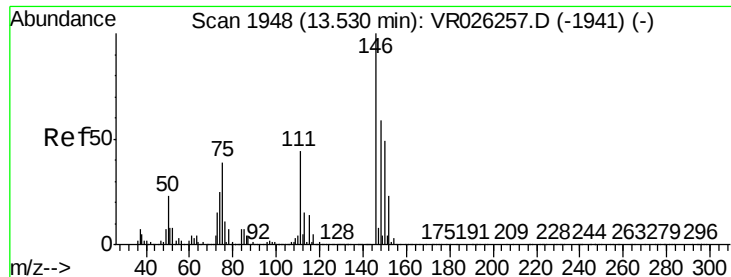


Abundance Ion 145.95 (145.65 to 146.65): V

1500000 Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

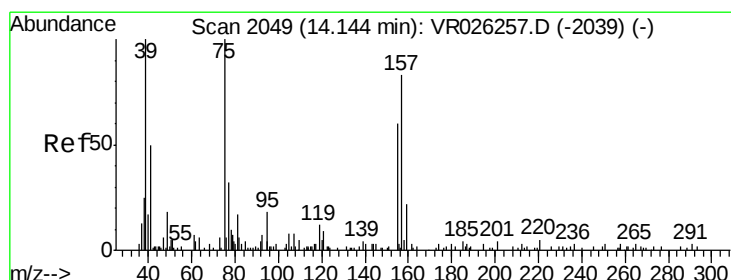
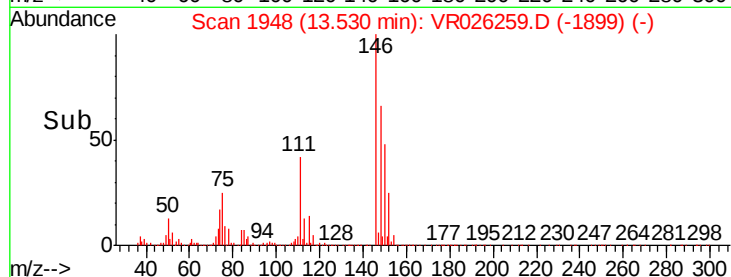
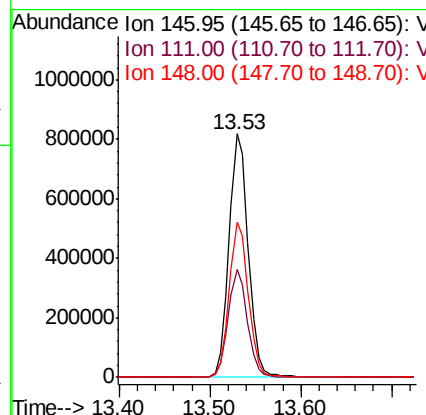
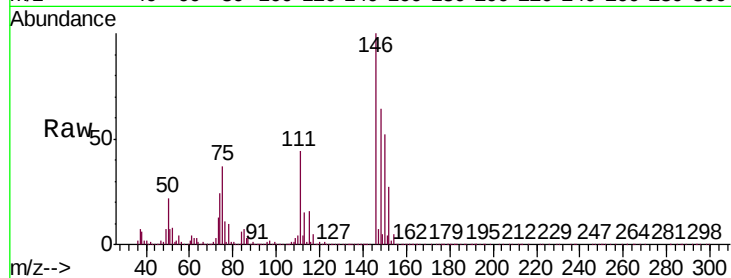




#65
 1,2-Dichlorobenzene
 Concen: 19.891 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. -0.00 min
 Lab File: VR026259.D
 Acq: 21 Nov 2018 13:50

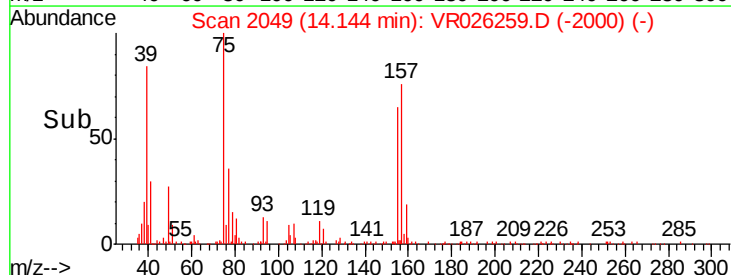
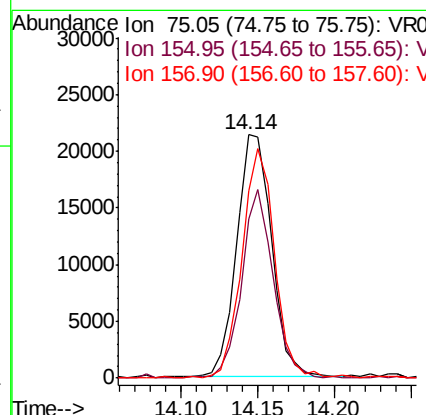
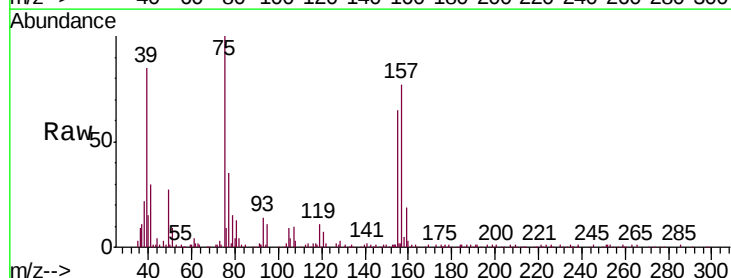
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD02081

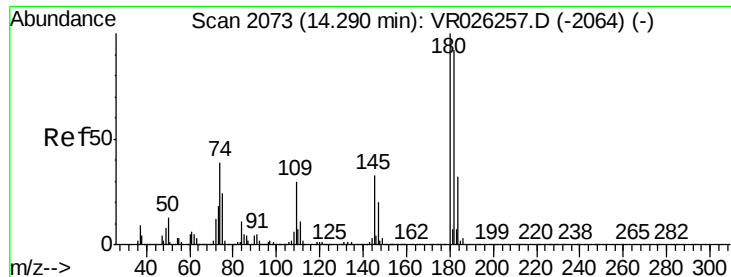
Tgt Ion:146 Resp: 1204531
 Ion Ratio Lower Upper
 146 100
 111 44.1 35.5 53.3
 148 63.9 47.6 71.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 16.483 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VR026259.D
 Acq: 21 Nov 2018 13:50

Tgt Ion: 75 Resp: 33866
 Ion Ratio Lower Upper
 75 100
 155 65.2 47.9 71.9
 157 76.7 66.5 99.7

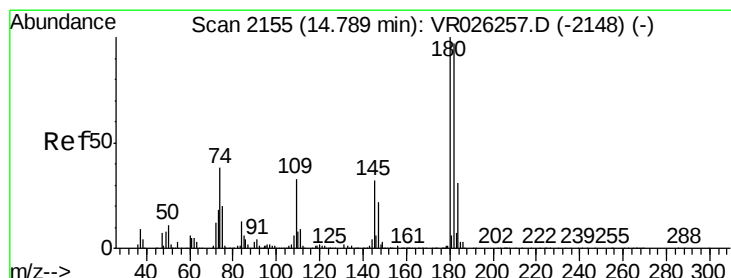
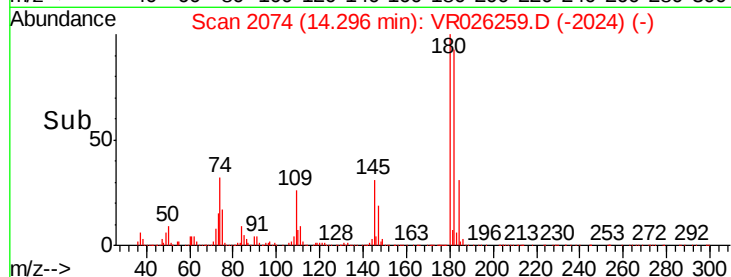
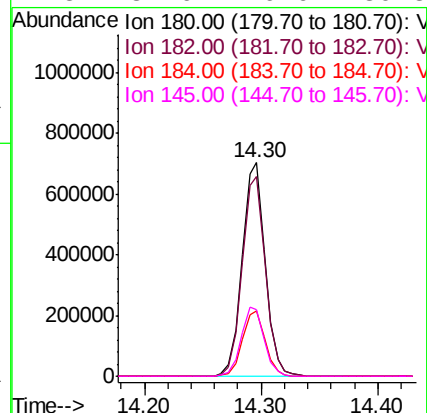
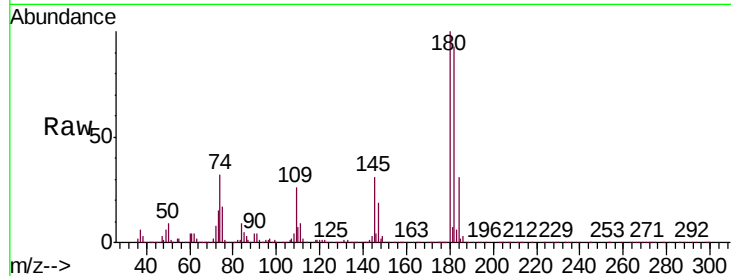




#67
 1,3,5-Trichlorobenzene
 Concen: 21.080 ug/L
 RT: 14.30 min Scan# 2074
 Delta R.T. 0.01 min
 Lab File: VR026259.D
 Acq: 21 Nov 2018 13:50

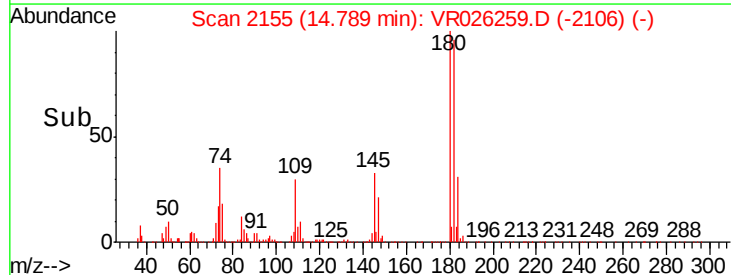
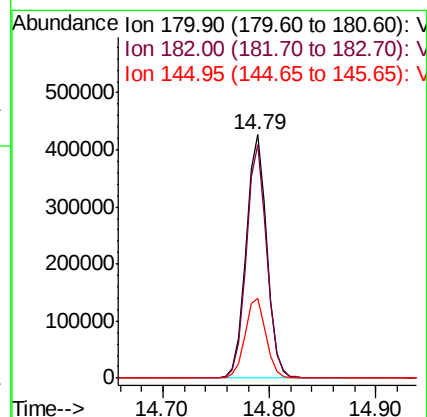
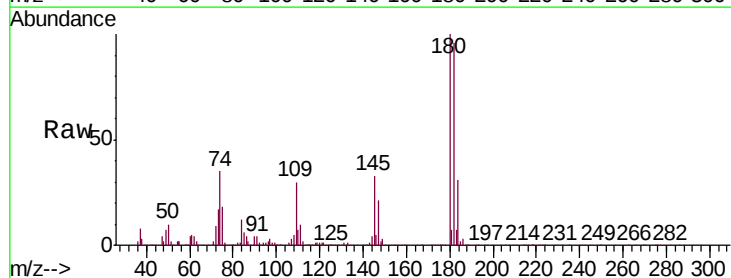
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD02081

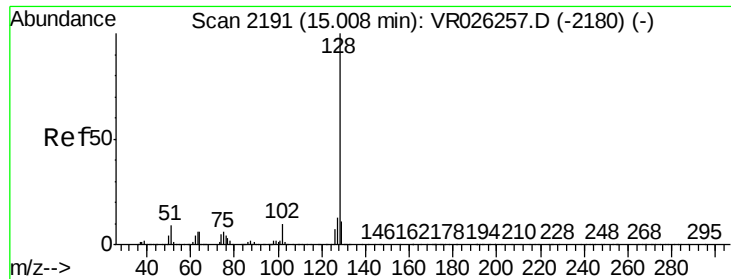
Tgt Ion:	180	Resp:	967223
Ion	Ratio	Lower	Upper
180	100		
182	94.7	74.0	111.0
184	30.7	25.4	38.0
145	32.6	26.6	39.8



#68
 1,2,4-trichlorobenzene
 Concen: 22.843 ug/L
 RT: 14.79 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VR026259.D
 Acq: 21 Nov 2018 13:50

Tgt Ion:	180	Resp:	581869
Ion	Ratio	Lower	Upper
180	100		
182	94.6	74.9	112.3
145	32.9	26.0	39.0

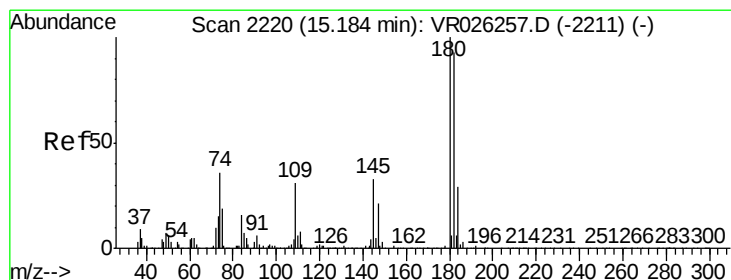
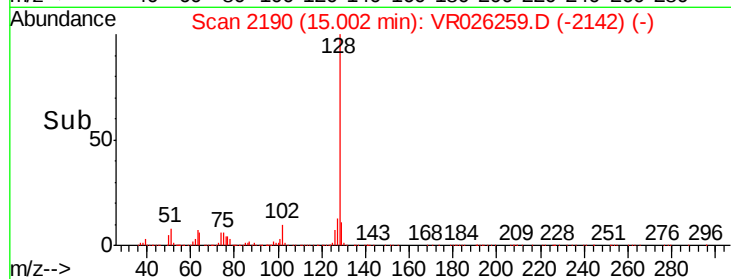
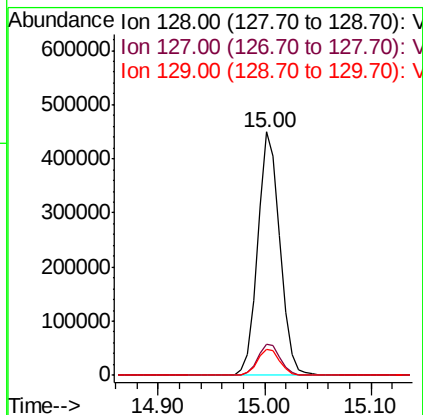
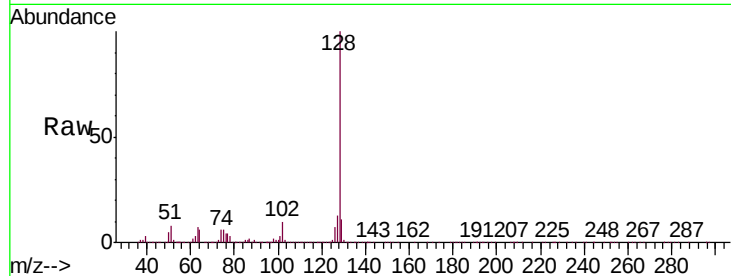




#69
Naphthalene
Concen: 26.263 ug/L
RT: 15.00 min Scan# 2190
Delta R.T. -0.01 min
Lab File: VR026259.D
Acq: 21 Nov 2018 13:50

Instrument :
MSVOA_R
ClientSampleId :
VSTD02081

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.0	9.2	13.8



#70
1,2,3-Trichlorobenzene
Concen: 20.774 ug/L
RT: 15.18 min Scan# 2220
Delta R.T. -0.00 min
Lab File: VR026259.D
Acq: 21 Nov 2018 13:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	73.9	110.9
145	34.7	28.2	42.2

