

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 21 14:16:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112118WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 21 13:44:11 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	20.09	ug/L	0.00
7) Chloroethane-d5	2.63	69	798456	18.69	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.61	63	2401039	19.87	ug/L	-0.02
20) 2-Butanone-d5	6.59	46	955488	216.65	ug/L	0.00
24) Chloroform-d	7.20	84	1879700	20.16	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.90	65	729426	20.09	ug/L	0.00
32) Benzene-d6	7.85	84	3906329	20.55	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	953657	19.95	ug/L	0.00
41) Toluene-d8	9.97	98	3805125	21.55	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	283768	21.74	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	727036	240.26	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	382990	19.66	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	834985	20.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	419.00%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	802373	18.349	ug/L	99
3) Chloromethane	2.02	50	1015293	18.073	ug/L	99
5) Vinyl chloride	2.17	62	1017038	18.412	ug/L	97
6) Bromomethane	2.53	94	646924	17.497	ug/L	98
8) Chloroethane	2.66	64	623185	18.036	ug/L	96
9) Trichlorofluoromethane	2.93	101	631526	7.530	ug/L #	15
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	880074	18.269	ug/L	98
12) 1,1-Dichloroethene	3.62	96	991220	18.914	ug/L	87
13) Acetone	3.70	43	719404	216.958	ug/L	99
14) Carbon disulfide	3.93	76	2694978	20.596	ug/L	99
15) Methyl Acetate	4.19	43	182727	18.991	ug/L	96
16) Methylene chloride	4.40	84	835704	17.832	ug/L	98
17) Methyl tert-butyl Ether	4.90	73	1145691	21.140	ug/L	97
18) trans-1,2-Dichloroethene	4.88	96	963205	20.006	ug/L	98
19) 1,1-Dichloroethane	5.69	63	1689097	19.549	ug/L	97
21) 2-Butanone	6.69	43	1027283	220.066	ug/L	100
22) cis-1,2-Dichloroethene	6.67	96	917586	21.148	ug/L #	99
23) Bromochloromethane	7.06	128	245642	18.806	ug/L	92
25) Chloroform	7.23	83	1673772	17.857	ug/L	99
27) 1,2-Dichloroethane	7.99	62	729015	19.099	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	1471153	19.013	ug/L	98
30) Cyclohexane	7.52	56	1465318	21.292	ug/L	99
31) Carbon tetrachloride	7.63	117	1326434	18.861	ug/L	100
33) Benzene	7.91	78	3985198	19.930	ug/L	100
34) Trichloroethene	8.71	95	1031093	19.469	ug/L	96
35) Methylcyclohexane	8.95	83	1528244	21.672	ug/L	97
37) 1,2-Dichloropropane	9.00	63	785424	18.979	ug/L	99
38) Bromodichloromethane	9.28	83	926751	19.186	ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	1062210	22.361	ug/L	96

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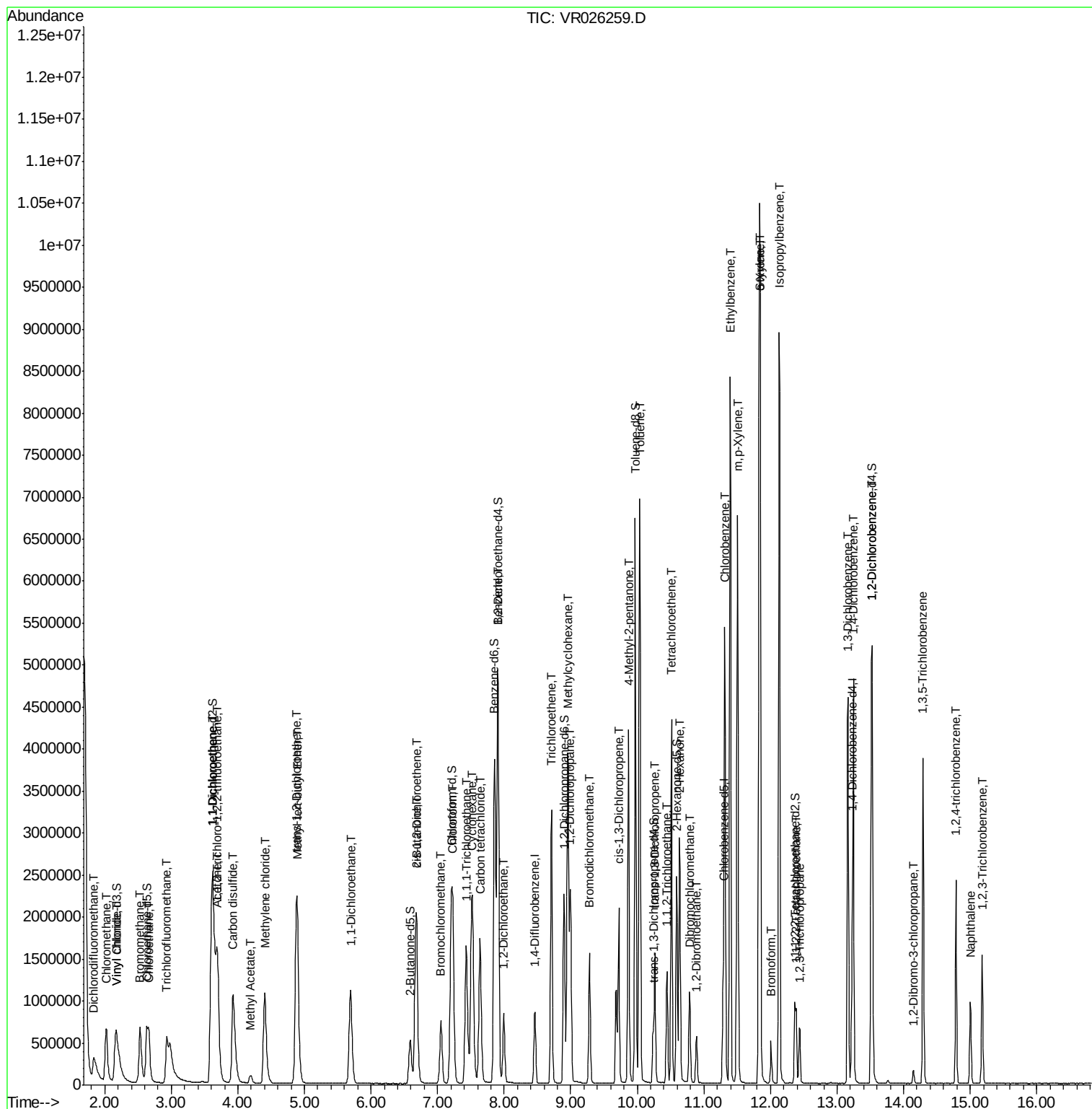
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 4-Methyl-2-pentanone	9.87	43	2526746	219.699	ug/L	98
42) Toluene	10.04	91	4304039	18.016	ug/L	96
44) trans-1,3-Dichloropropene	10.26	75	727907	22.450	ug/L	97
45) 1,1,2-Trichloroethane	10.45	97	348986	19.596	ug/L	95
47) Tetrachloroethene	10.51	164	773538	19.888	ug/L	97
48) 2-Hexanone	10.63	43	1677233	217.125	ug/L	98
49) Dibromochloromethane	10.79	129	462511	21.370	ug/L	100
50) 1,2-Dibromoethane	10.89	107	309076	19.903	ug/L	97
51) Chlorobenzene	11.32	112	2346183	20.069	ug/L	98
52) Ethylbenzene	11.39	91	4887769	20.429	ug/L	94
53) m,p-Xylene	11.50	106	1921668	21.780	ug/L	99
54) o-Xylene	11.83	106	1869976	23.146	ug/L	86
55) Styrene	11.84	104	2851450	23.128	ug/L	99
56) Isopropylbenzene	12.13	105	4822694	21.792	ug/L	96
58) 1,1,2,2-Tetrachloroethane	12.39	83	332108	19.158	ug/L #	93
59) 1,2,3-Trichloropropane	12.43	75	242761	18.680	ug/L	98
61) Bromoform	12.01	173	187765	21.162	ug/L	97
62) 1,3-Dichlorobenzene	13.16	146	1545085	20.975	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	1514454	19.057	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	1204531	19.911	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.14	75	33866	16.745	ug/L	93
67) 1,3,5-Trichlorobenzene	14.30	180	967223	20.279	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	581869	21.574	ug/L	99
69) Naphthalene	15.00	128	653730	24.883	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	392525	20.344	ug/L	97

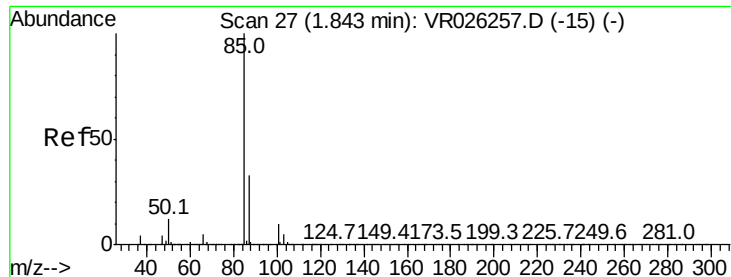
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 18.349 ug/L

RT: 1.84 min Scan# 27

Delta R.T. -0.00 min

Lab File: VR026259.D

Acq: 21 Nov 2018 13:50

Instrument :

MSVOA_R

ClientSampleId :

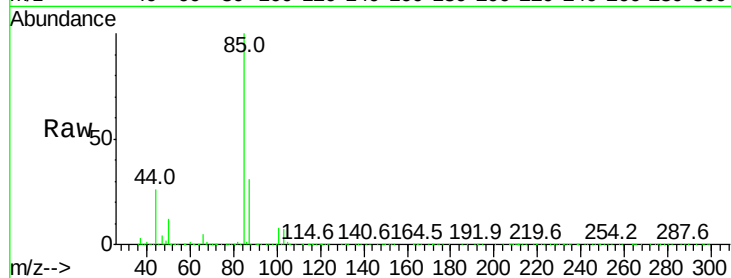
VSTD02081

Tgt Ion: 85 Resp: 802373

Ion Ratio Lower Upper

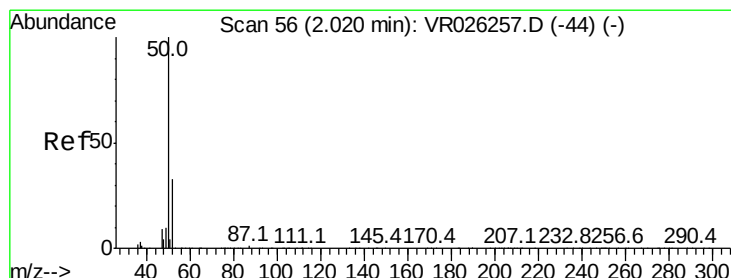
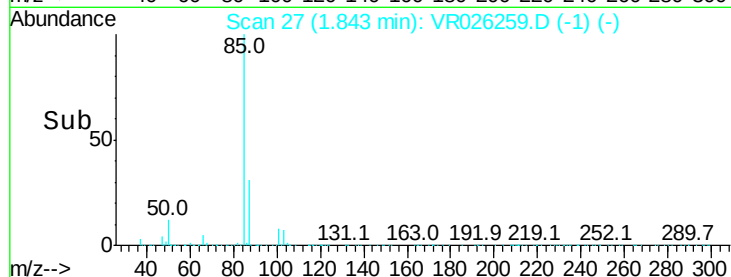
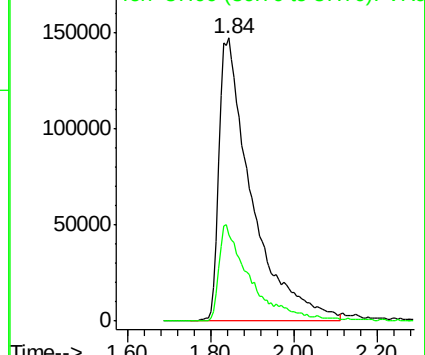
85 100

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: 18.073 ug/L

RT: 2.02 min Scan# 56

Delta R.T. -0.00 min

Lab File: VR026259.D

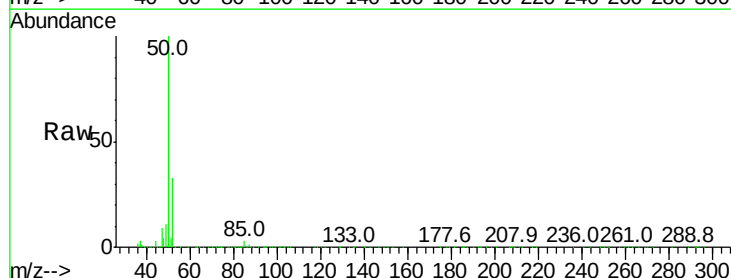
Acq: 21 Nov 2018 13:50

Tgt Ion: 50 Resp: 1015293

Ion Ratio Lower Upper

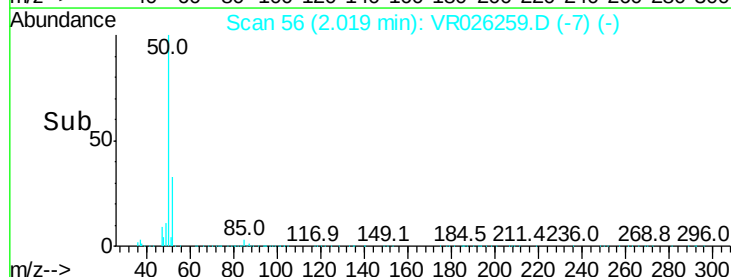
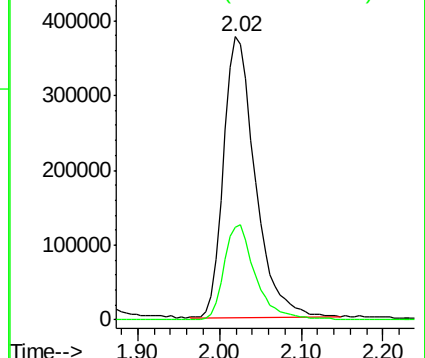
50 100

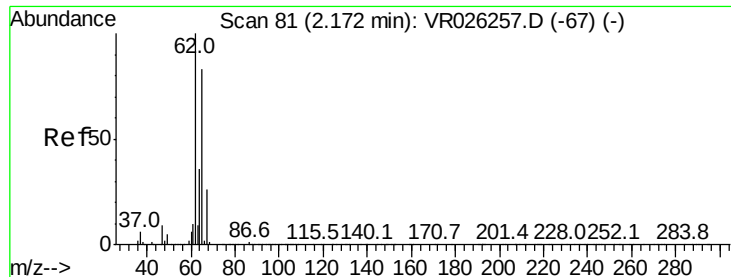
52 32.6 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 18.412 ug/L

RT: 2.17 min Scan# 81

Delta R.T. -0.00 min

Lab File: VR026259.D

Acq: 21 Nov 2018 13:50

Instrument :

MSVOA_R

ClientSampleId :

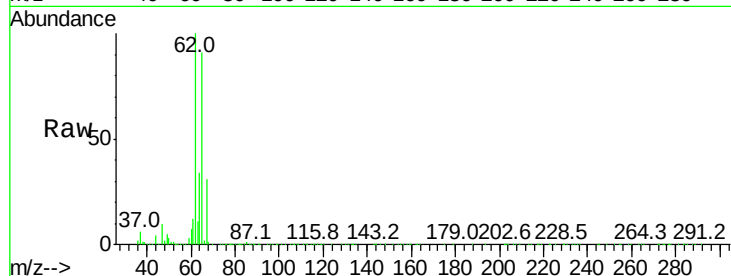
VSTD02081

Tgt Ion: 62 Resp: 1017038

Ion Ratio Lower Upper

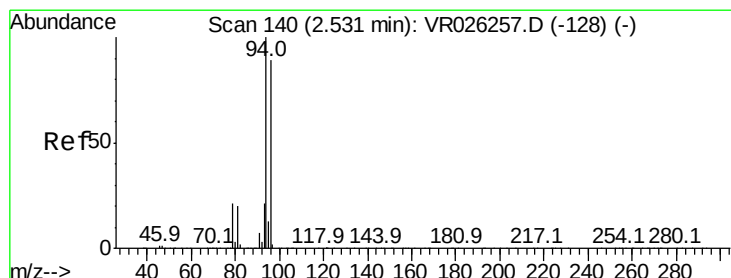
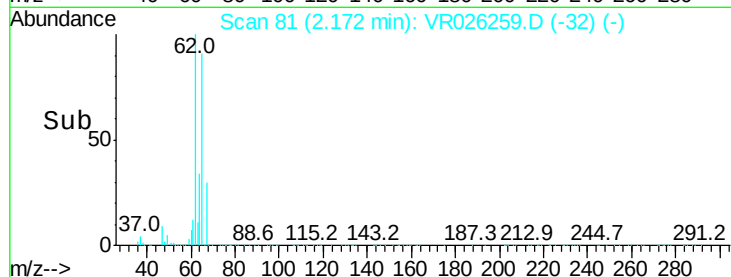
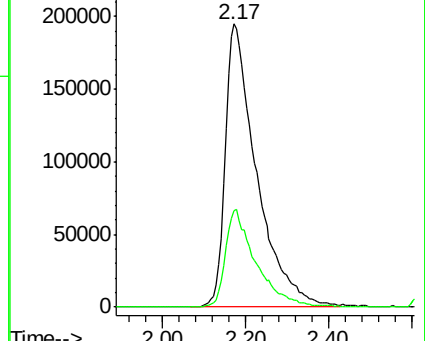
62 100

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: 17.497 ug/L

RT: 2.53 min Scan# 140

Delta R.T. -0.00 min

Lab File: VR026259.D

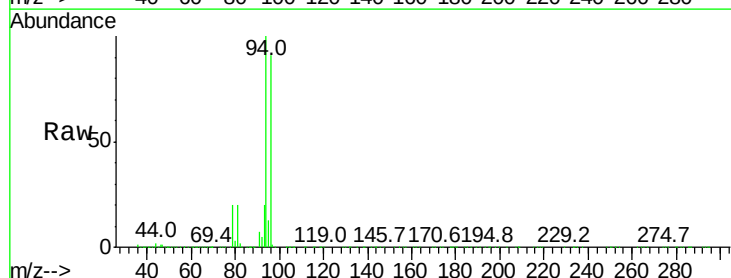
Acq: 21 Nov 2018 13:50

Tgt Ion: 94 Resp: 646924

Ion Ratio Lower Upper

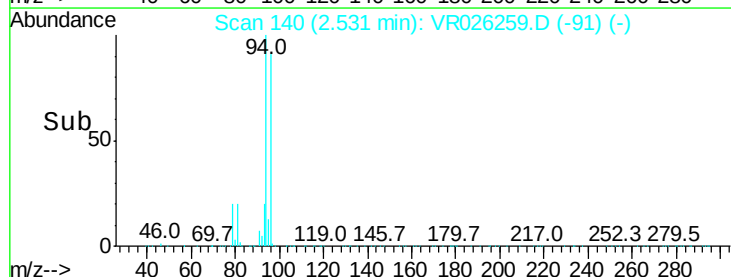
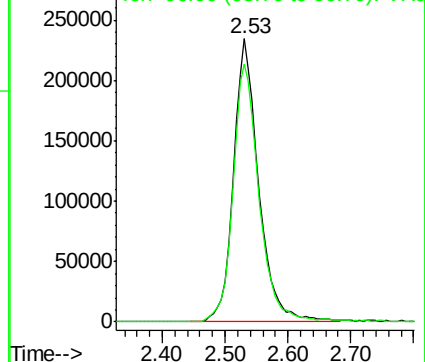
94 100

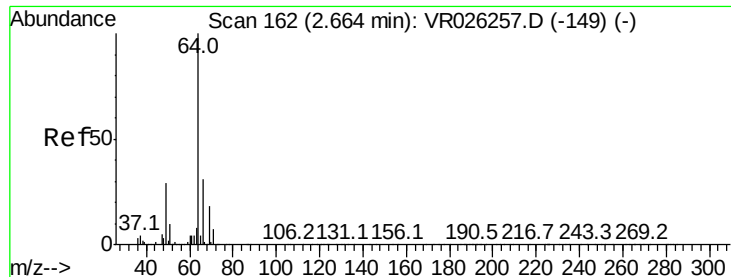
96 91.0 62.4 115.8



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0





#8

Chloroethane

Concen: 18.036 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 :

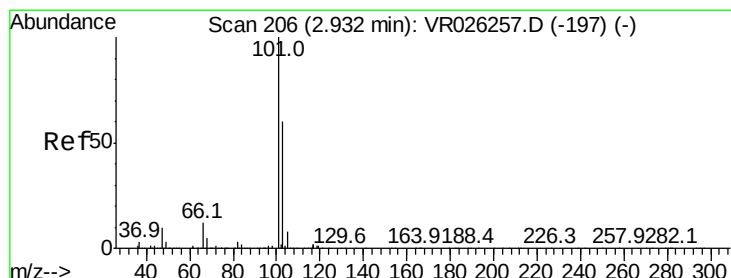
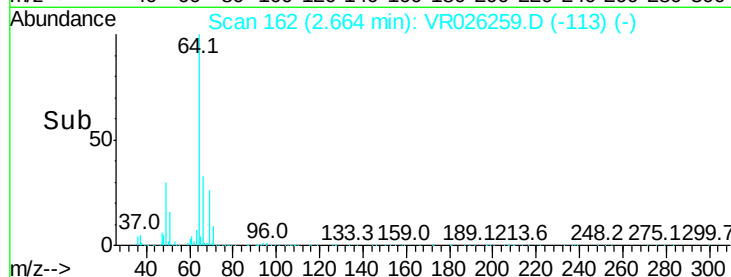
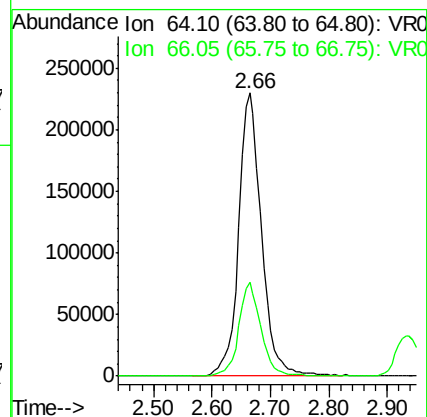
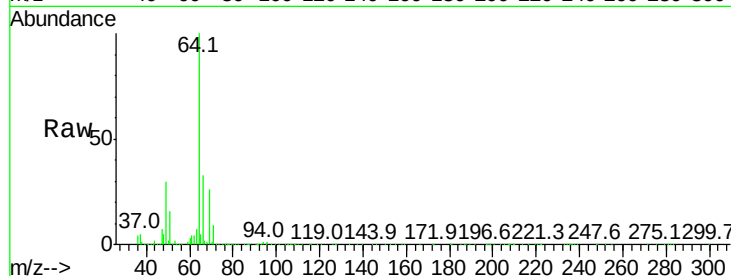
VSTD02081

Tgt Ion: 64 Resp: 623185

Ion Ratio Lower Upper

64 100

66 33.4 21.9 40.7



#9

Trichlorofluoromethane

Concen: 7.530 ug/L

RT: 2.93 min Scan# 206

Delta R.T. -0.00 min

Lab File: VR026259.D

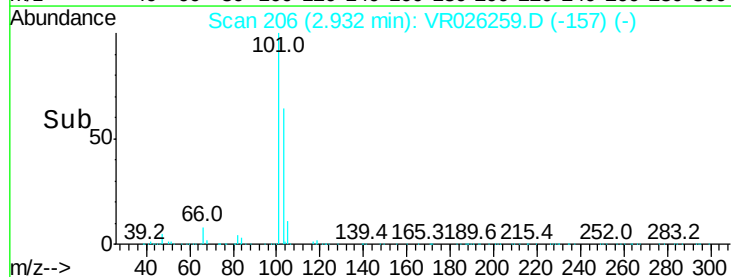
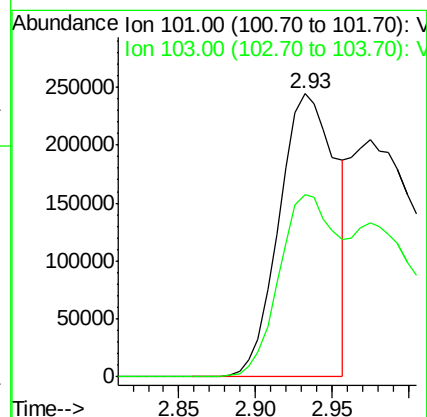
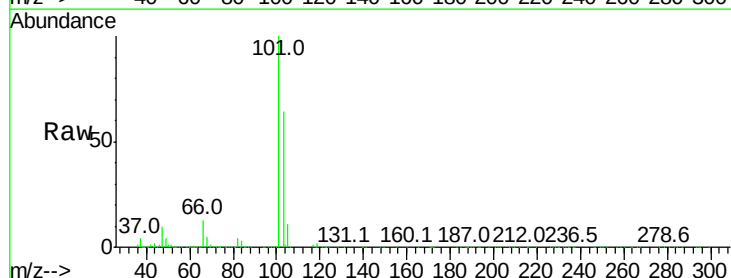
Acq: 21 Nov 2018 13:50

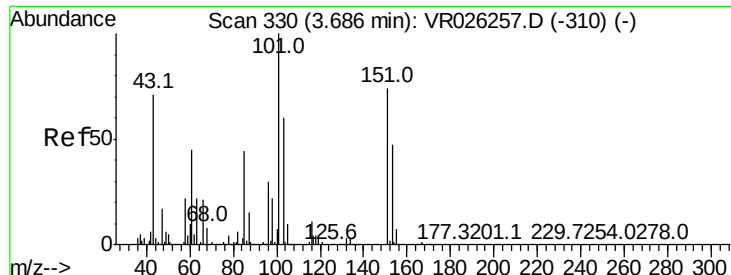
Tgt Ion: 101 Resp: 631526

Ion Ratio Lower Upper

101 100

103 64.6 18.6 28.0#





#10

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

Concen: 18.269 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

ClientSampled :

VSTD02081

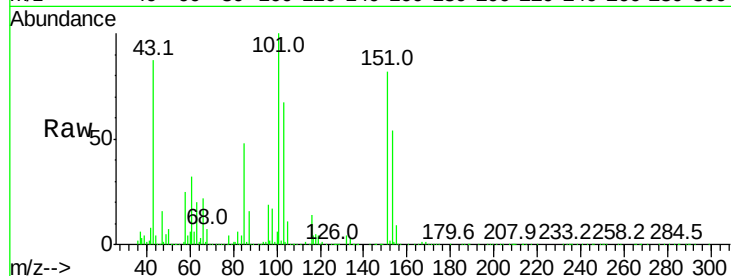
Tgt Ion: 101 Resp: 880074

Ion Ratio Lower Upper

101 100

85 47.2 37.0 55.6

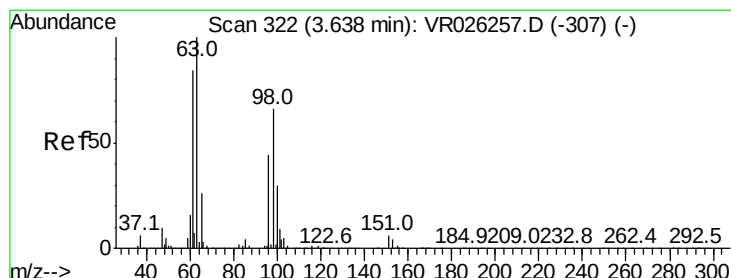
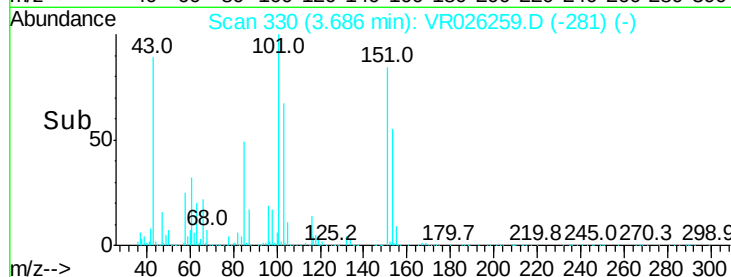
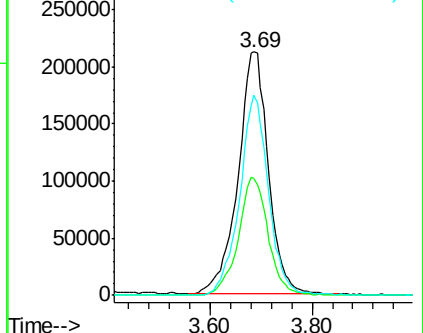
151 78.5 61.1 91.7



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: 18.914 ug/L

RT: 3.62 min Scan# 319

Delta R.T. -0.02 min

Lab File: VR026259.D

Acq: 21 Nov 2018 13:50

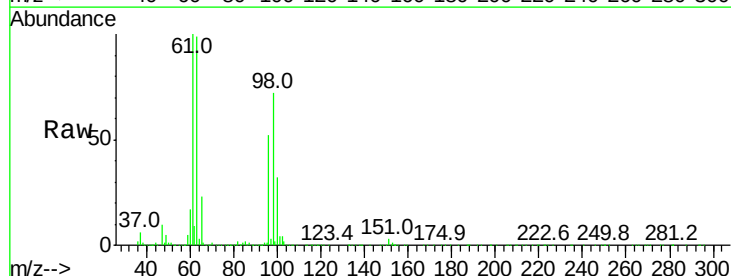
Tgt Ion: 96 Resp: 991220

Ion Ratio Lower Upper

96 100

61 192.0 135.5 251.7

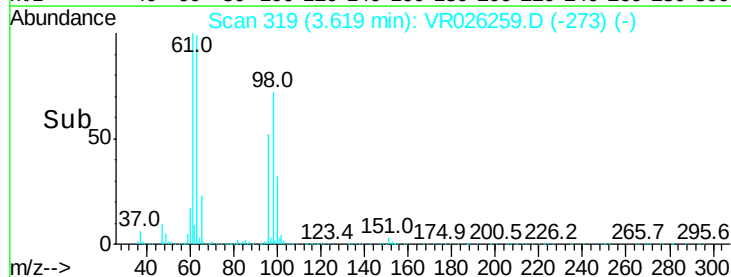
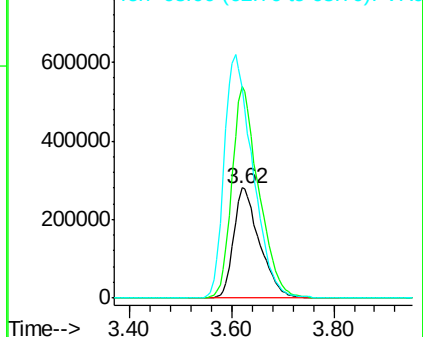
63 190.6 160.5 298.1

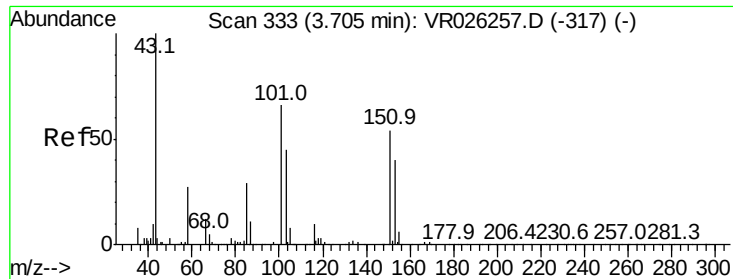


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 216.958 ug/L

RT: 3.70 min Scan# 332

Delta R.T. -0.01 min

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Instrument :

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ClientSampleId :

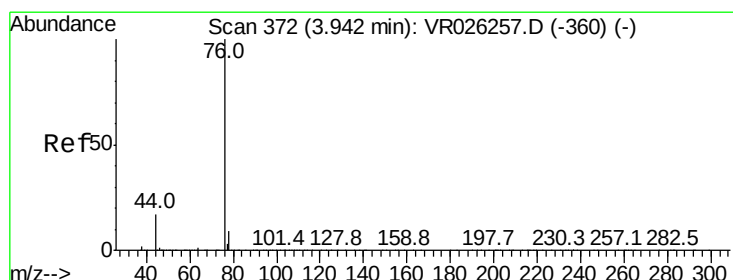
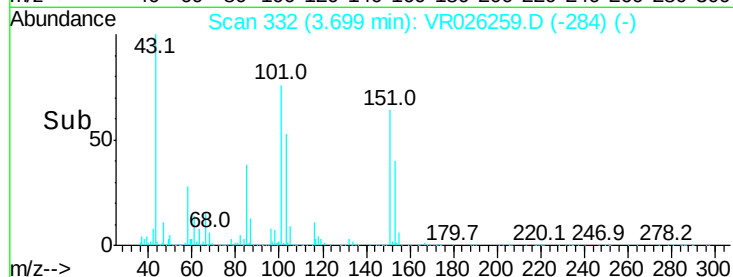
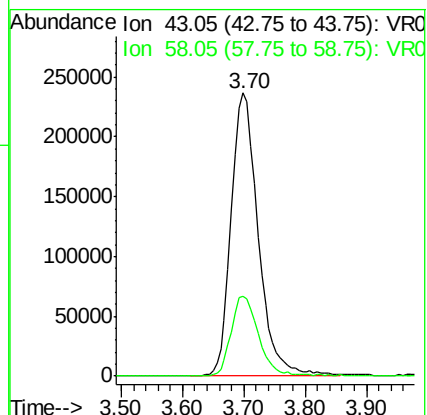
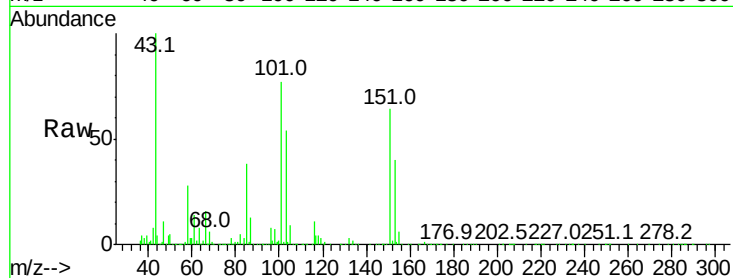
VSTD02081

Tgt Ion: 43 Resp: 719404

Ion Ratio Lower Upper

43 100

58 28.9 0.0 57.0



#14

Carbon disulfide

Concen: 20.596 ug/L

RT: 3.93 min Scan# 370

Delta R.T. -0.01 min

Lab File: VR026259.D

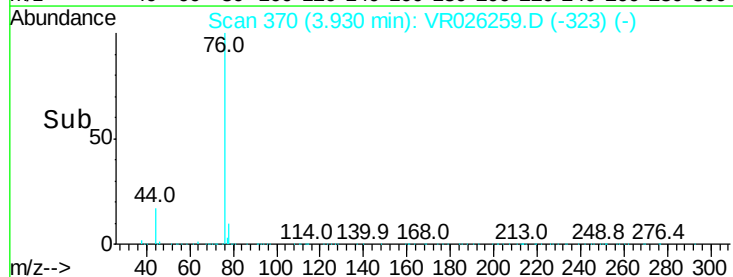
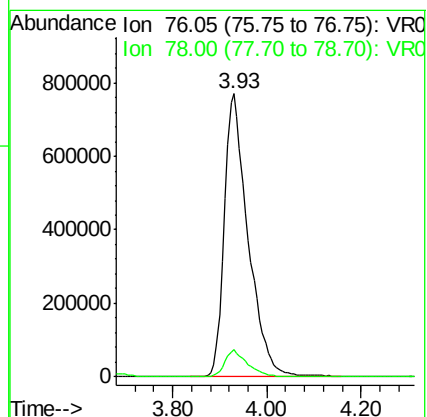
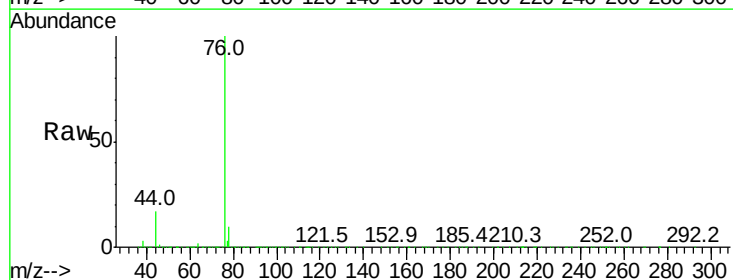
Acq: 21 Nov 2018 13:50

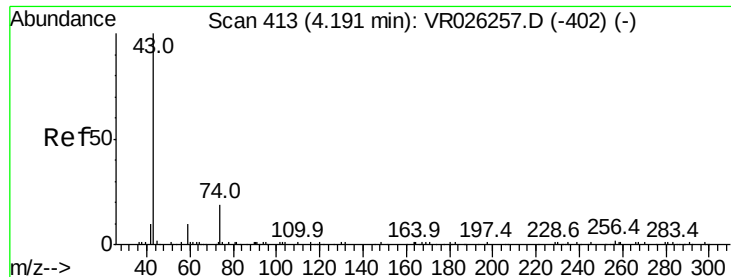
Tgt Ion: 76 Resp: 2694978

Ion Ratio Lower Upper

76 100

78 9.9 7.7 11.5





#15

Methyl Acetate

Concen: 18.991 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 :

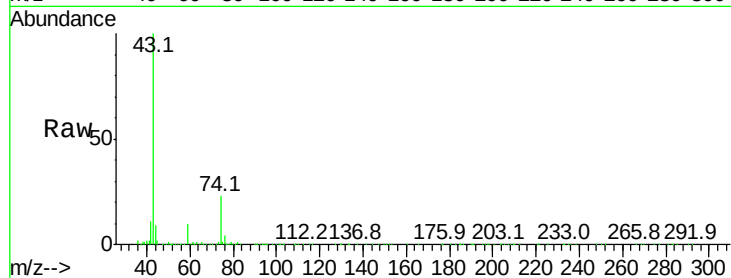
VSTD02081

Tgt Ion: 43 Resp: 182727

Ion Ratio Lower Upper

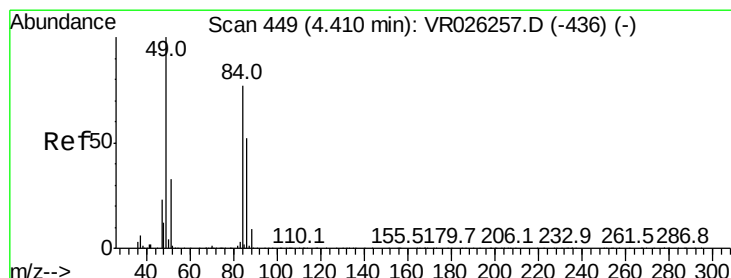
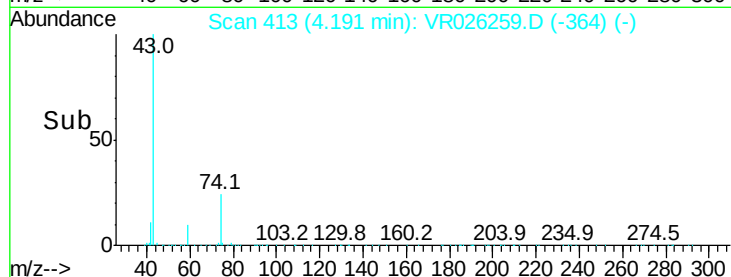
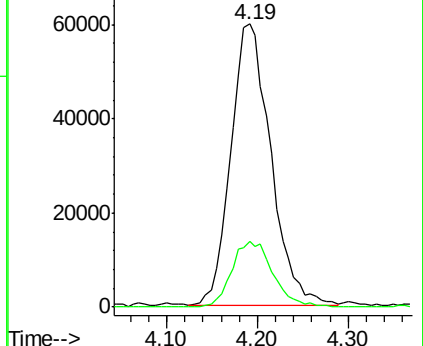
43 100

74 24.0 21.0 31.4



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0



#16

Methylene chloride

Concen: 17.832 ug/L

RT: 4.40 min Scan# 448

Delta R.T. -0.01 min

Lab File: VR026259.D

Acq: 21 Nov 2018 13:50

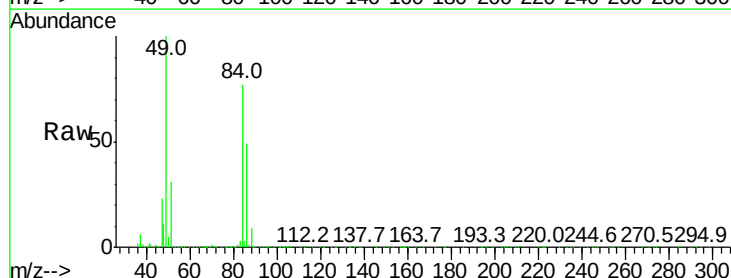
Tgt Ion: 84 Resp: 835704

Ion Ratio Lower Upper

84 100

86 63.7 46.8 87.0

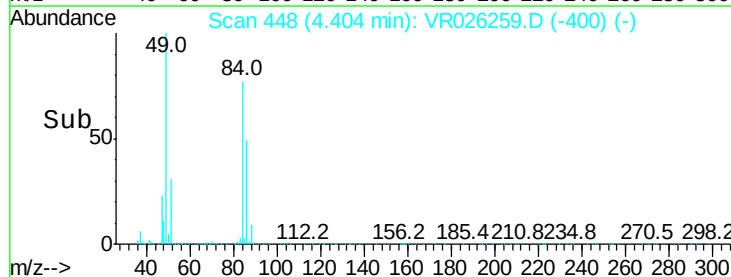
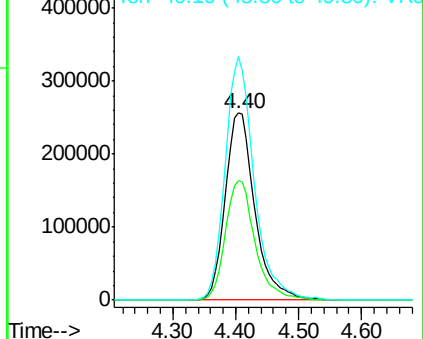
49 130.4 90.8 168.6

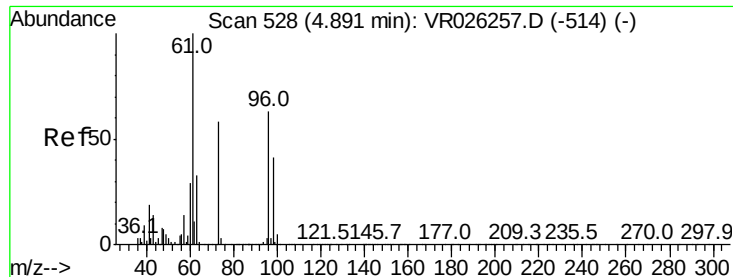


Abundance Ion 84.05 (83.75 to 84.75): VR0

Ion 86.00 (85.70 to 86.70): VR0

Ion 49.10 (48.80 to 49.80): VR0



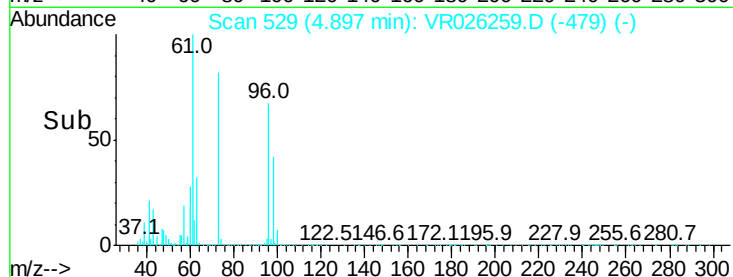
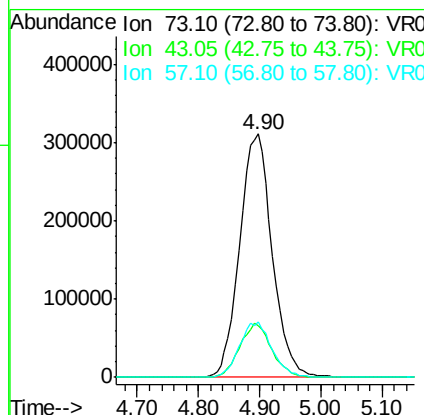
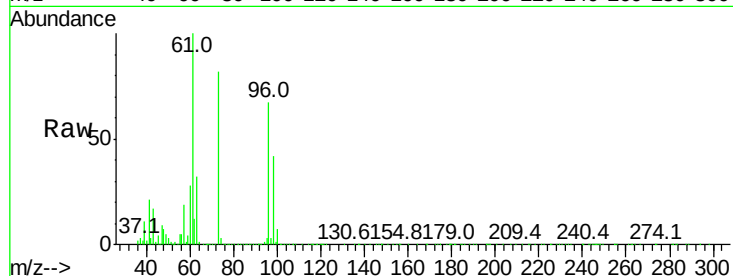


#17

Methyl tert-butyl Ether
 Concen: 21.140 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

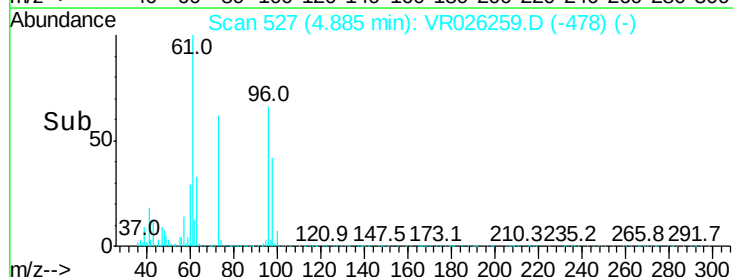
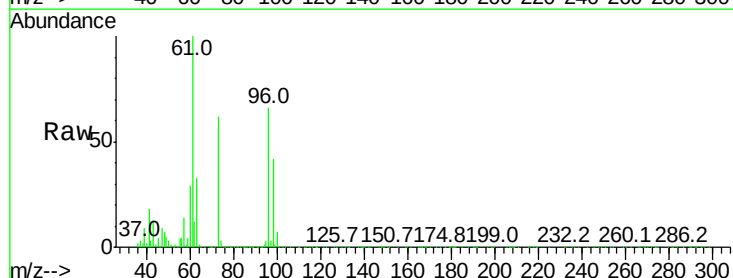
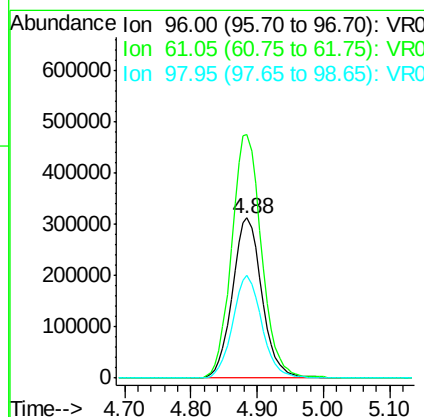
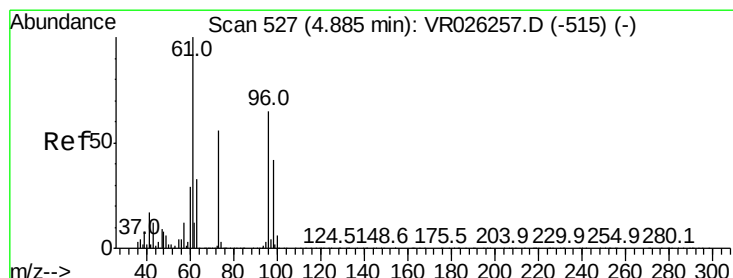
Tgt Ion: 73 Resp: 1145691
 Ion Ratio Lower Upper
 73 100
 43 21.7 19.0 28.6
 57 22.6 18.6 28.0

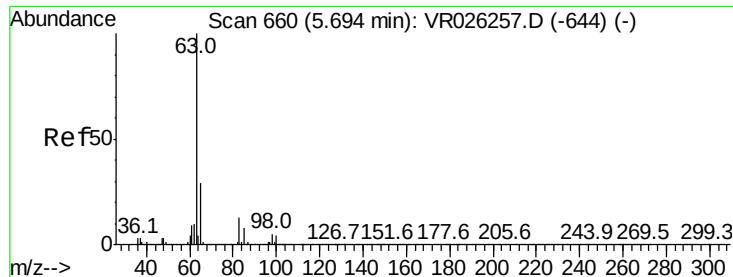


#18

trans-1,2-Dichloroethene
 Concen: 20.006 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



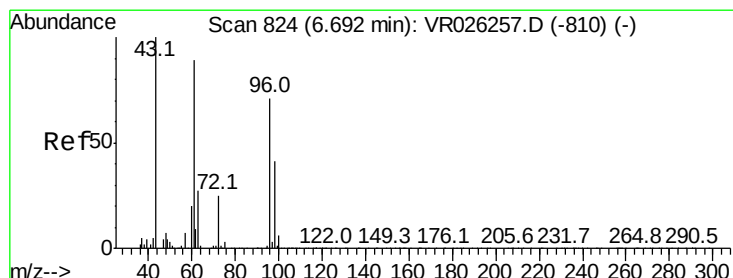
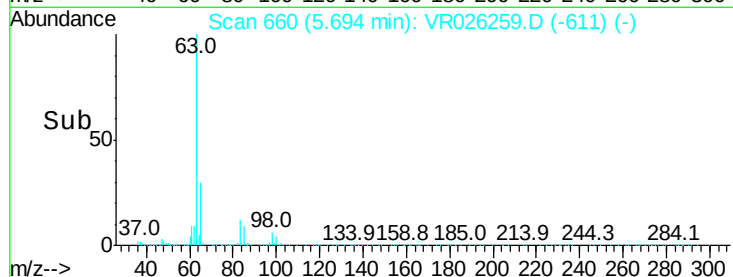
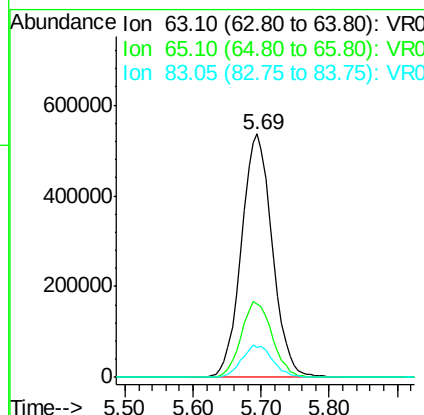
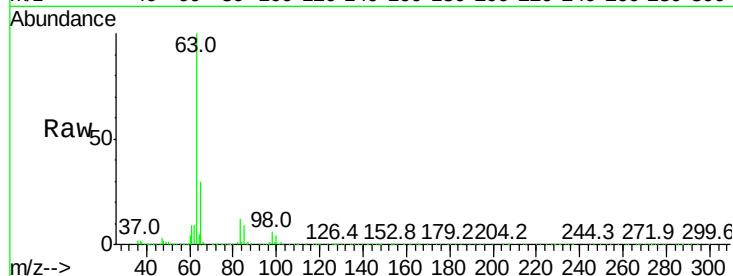


#19
 1,1-Dichloroethane
 Concen: 19.549 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. -0.00 min
 Lab File: VR026259.D
 Acq: 21 Nov 2018 13:50

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02081

Tgt Ion: 63 Resp: 1689097

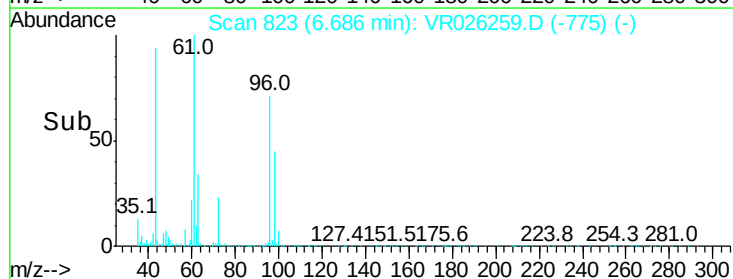
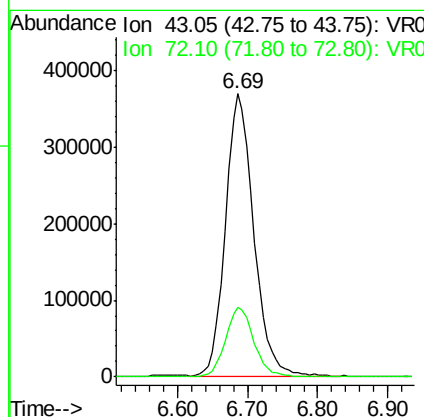
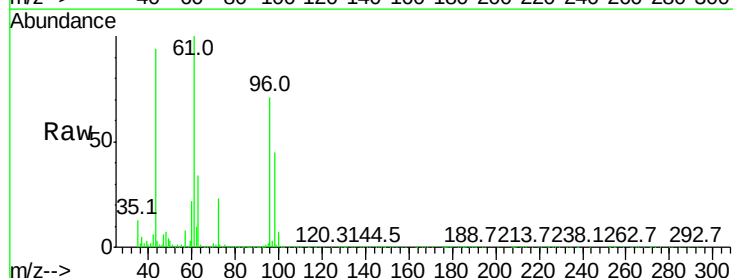
Ion	Ratio	Lower	Upper
63	100		
65	30.3	20.0	37.2
83	12.3	8.9	16.5

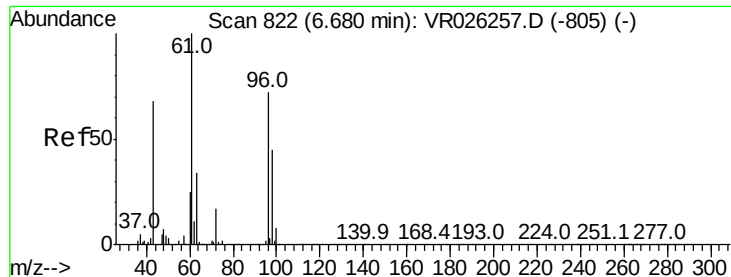


#21
 2-Butanone
 Concen: 220.066 ug/L
 RT: 6.69 min Scan# 823
 Delta R.T. -0.01 min
 Lab File: VR026259.D
 Acq: 21 Nov 2018 13:50

Tgt Ion: 43 Resp: 1027283

Ion	Ratio	Lower	Upper
43	100		
72	24.7	12.3	36.8



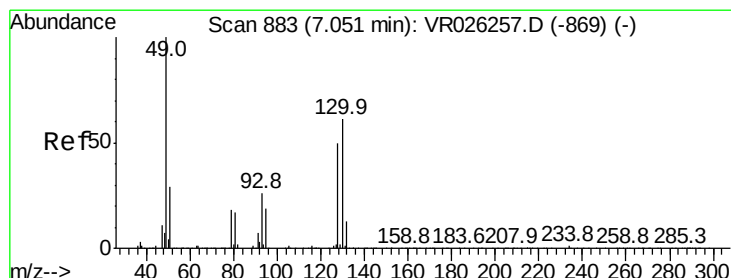
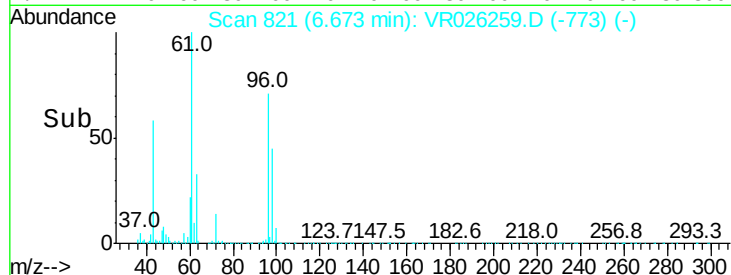
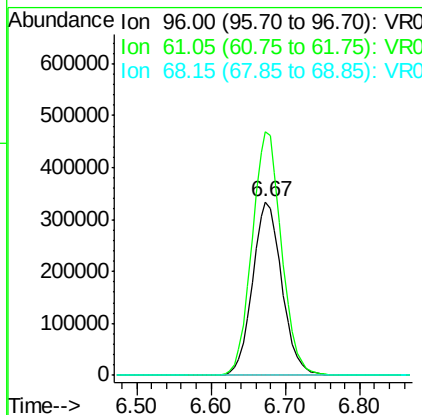
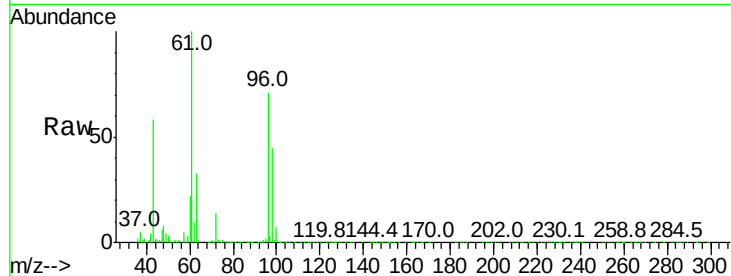


#22

cis-1,2-Dichloroethene
Concen: 21.148 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

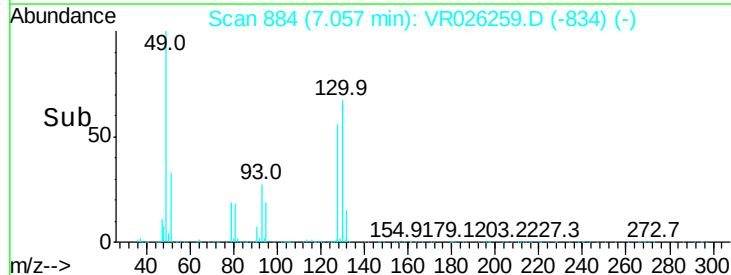
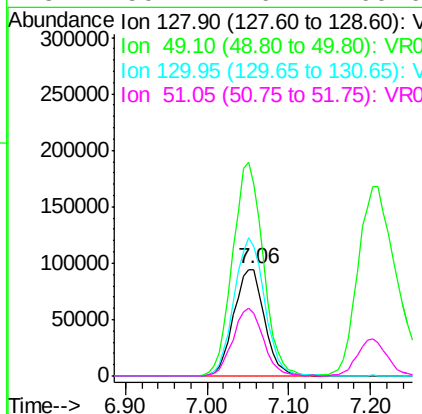
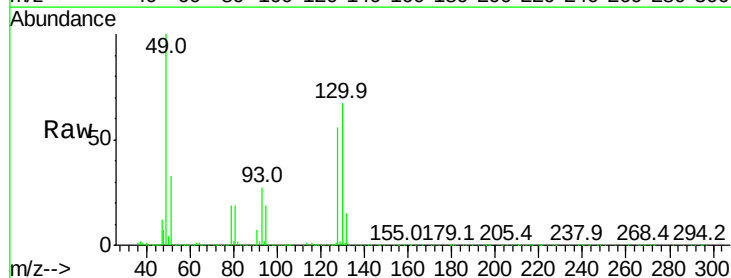
Tgt Ion: 96 Resp: 917586
Ion Ratio Lower Upper
96 100
61 140.2 97.6 181.4
68 0.1 0.0 0.0#

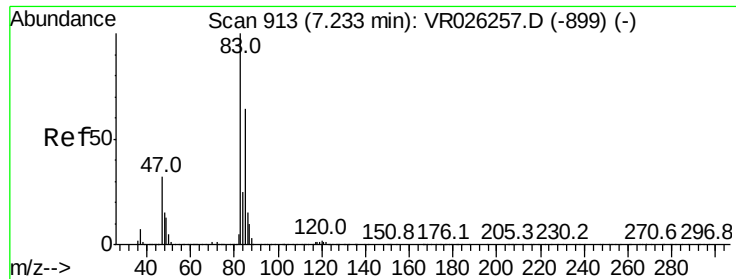


#23

Bromochloromethane
Concen: 18.806 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: 17.857 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 :

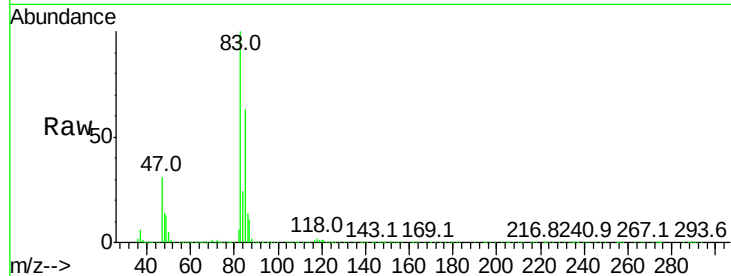
VSTD02081

Tgt Ion: 83 Resp: 1673772

Ion Ratio Lower Upper

83 100

85 63.5 45.1 83.9



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0

7.23

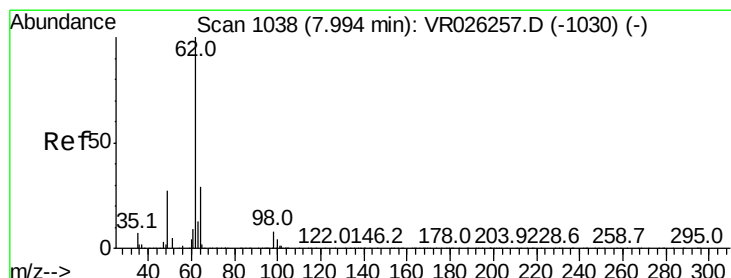
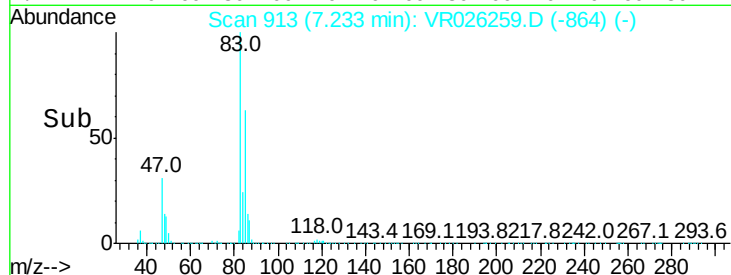
600000

400000

200000

0

Time--> 7.10 7.20 7.30



#27

1,2-Dichloroethane

Concen: 19.099 ug/L

RT: 7.99 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VR026259.D

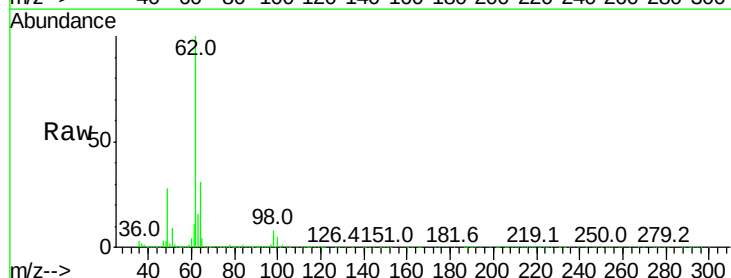
Acq: 21 Nov 2018 13:50

Tgt Ion: 62 Resp: 729015

Ion Ratio Lower Upper

62 100

98 7.7 6.0 9.0



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0

7.99

400000

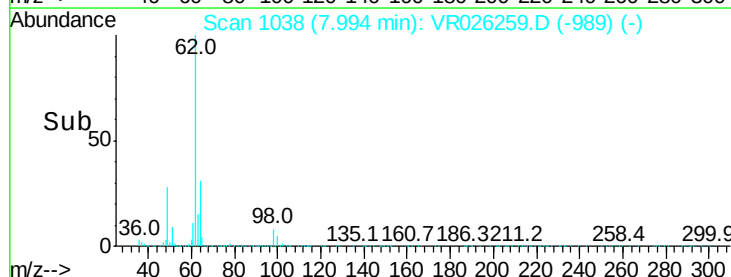
300000

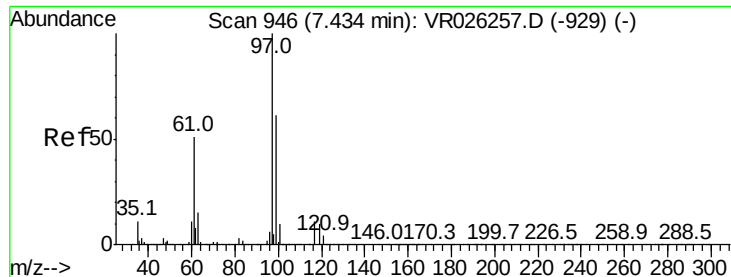
200000

100000

0

Time--> 7.90 8.00 8.10



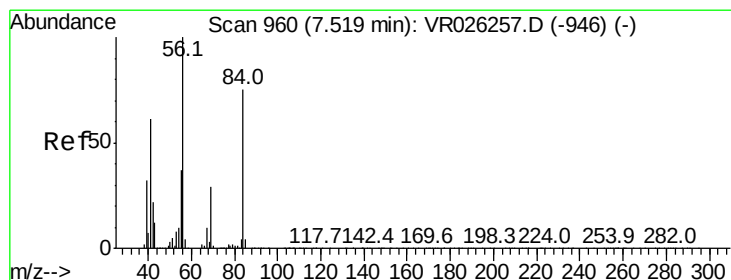
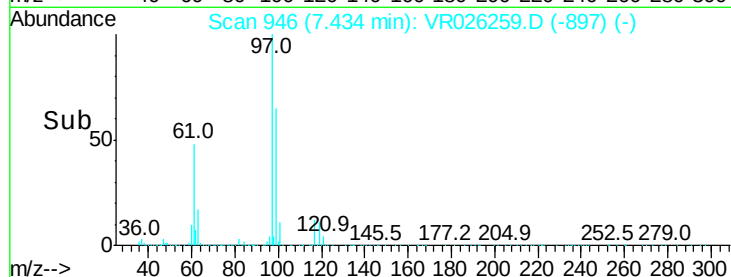
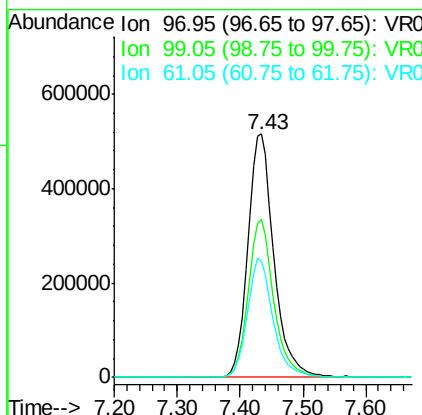
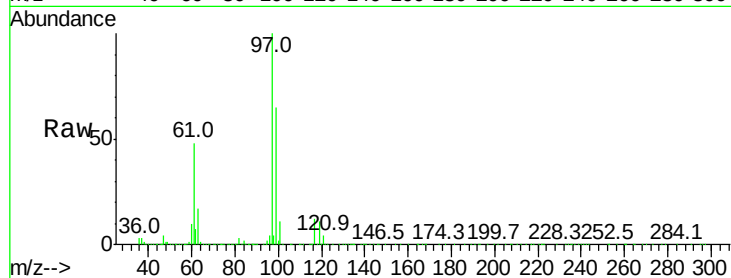


#29
 1,1,1-Trichloroethane
 Concen: 19.013 ug/L
 RT: 7.43 min Scan# 946
 Delta R.T. -0.00 min
 Lab File: VR026259.D
 Acq: 21 Nov 2018 13:50

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02081

Tgt Ion: 97 Resp: 1471153

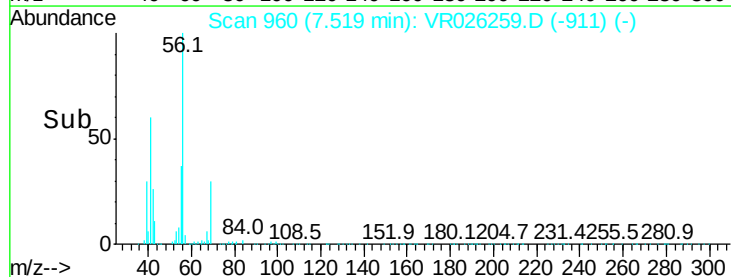
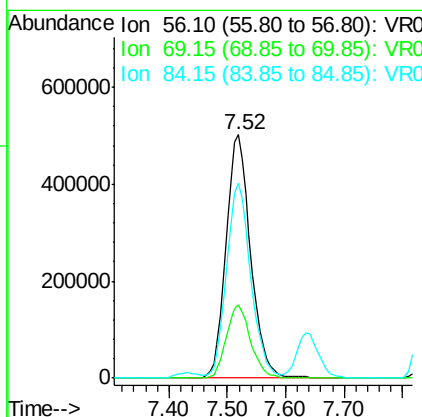
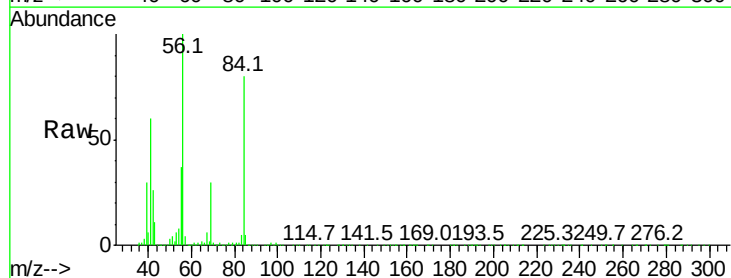
Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.7	76.1
61	48.4	40.2	60.4

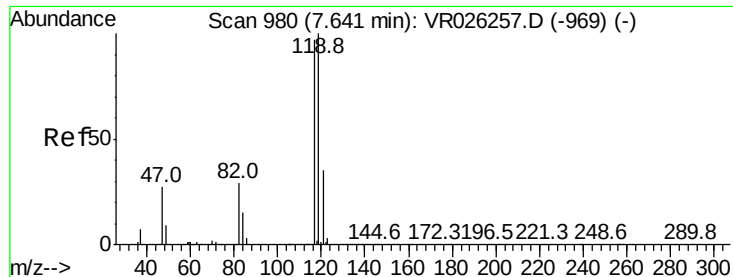


#30
 Cyclohexane
 Concen: 21.292 ug/L
 RT: 7.52 min Scan# 960
 Delta R.T. -0.00 min
 Lab File: VR026259.D
 Acq: 21 Nov 2018 13:50

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: 18.861 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 :

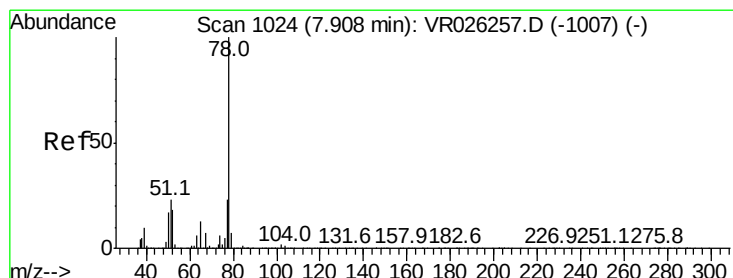
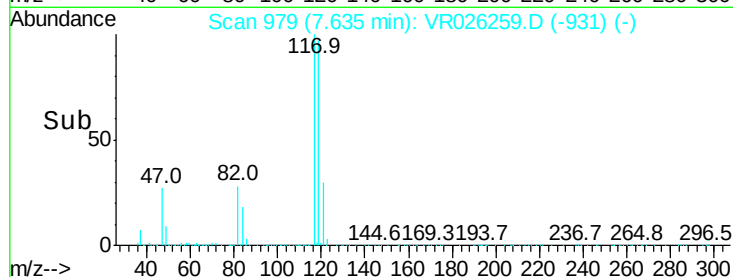
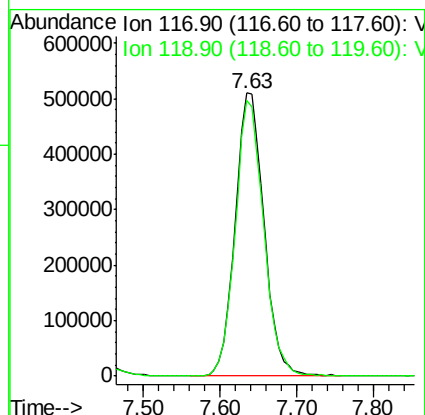
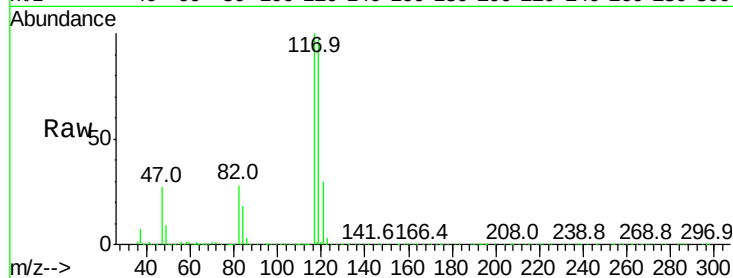
VSTD02081

Tgt Ion:117 Resp: 1326434

Ion Ratio Lower Upper

117 100

119 96.4 77.0 115.4



#33

Benzene

Concen: 19.930 ug/L

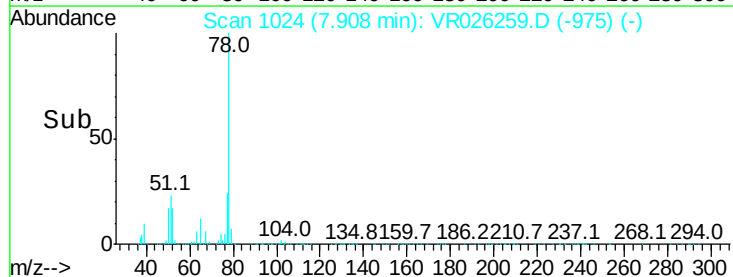
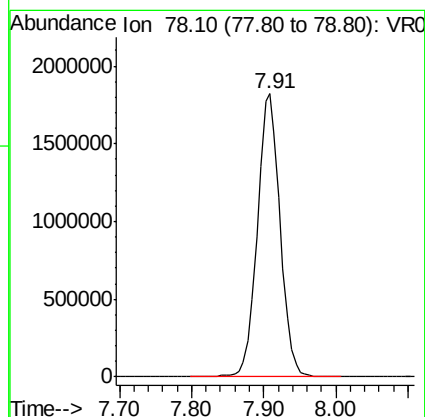
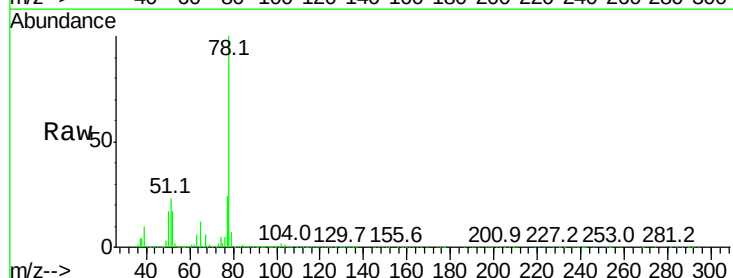
RT: 7.91 min Scan# 1024

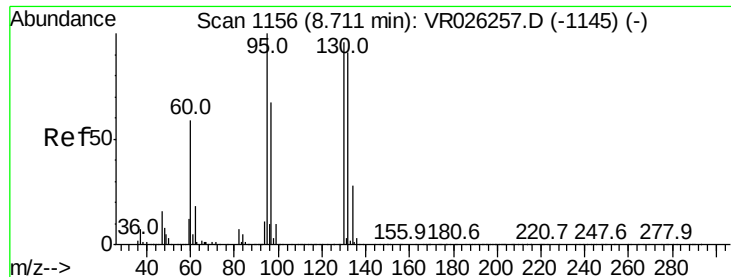
Delta R.T. -0.00 min

Lab File: VR026259.D

Acq: 21 Nov 2018 13:50

Tgt Ion: 78 Resp: 3985198





#34

Trichloroethene

Concen: 19.469 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

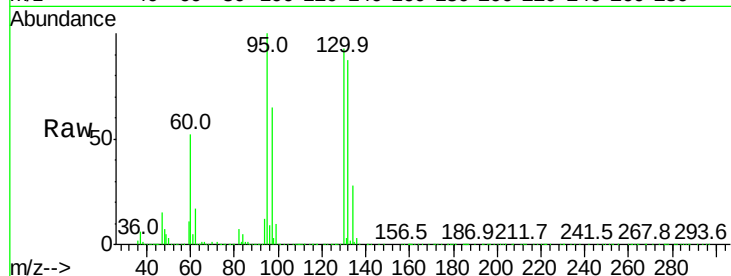
Ion Ratio Lower Upper

95 100

97 64.9 46.8 87.0

132 86.6 63.9 118.7

130 93.0 67.4 125.2

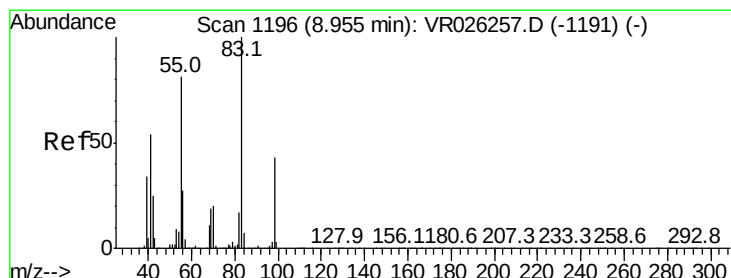
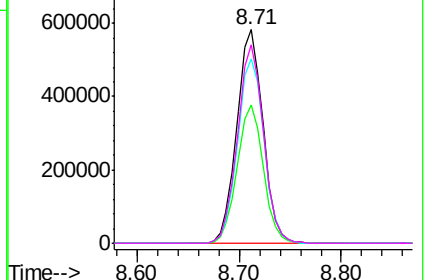
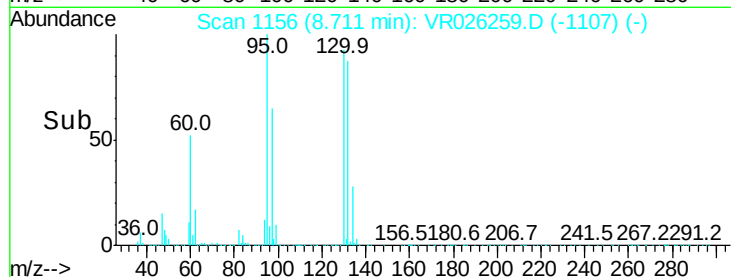


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 21.672 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. -0.00 min

Lab File: VR026259.D

Acq: 21 Nov 2018 13:50

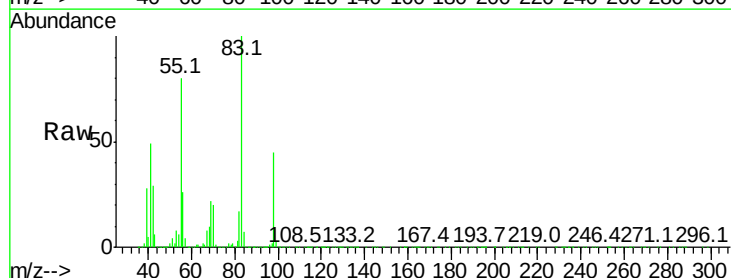
Tgt Ion: 83 Resp: 1528244

Ion Ratio Lower Upper

83 100

55 81.0 66.8 100.2

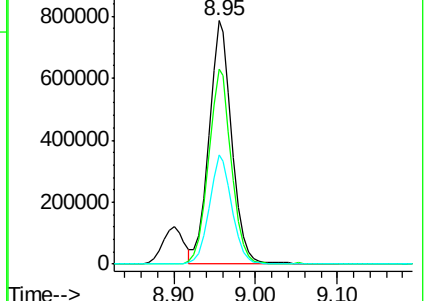
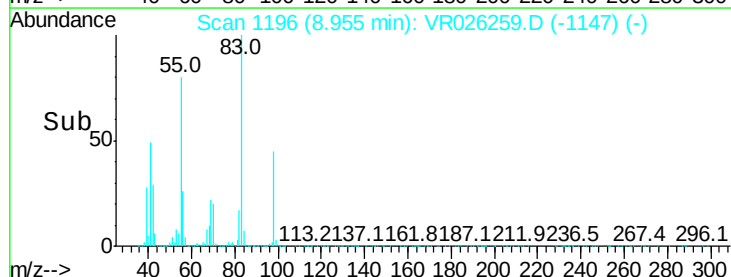
98 44.8 34.8 52.2

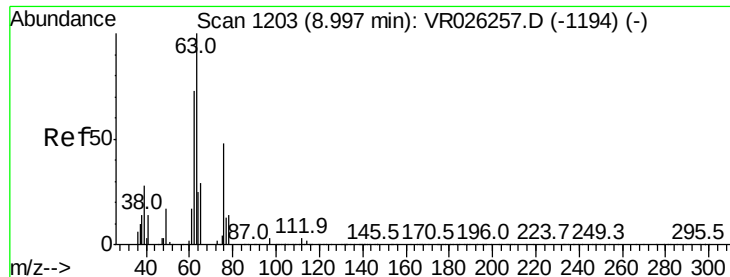


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

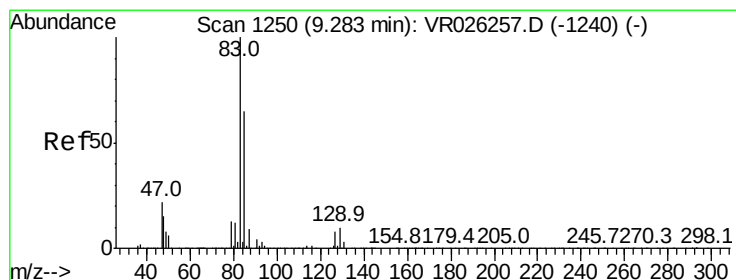
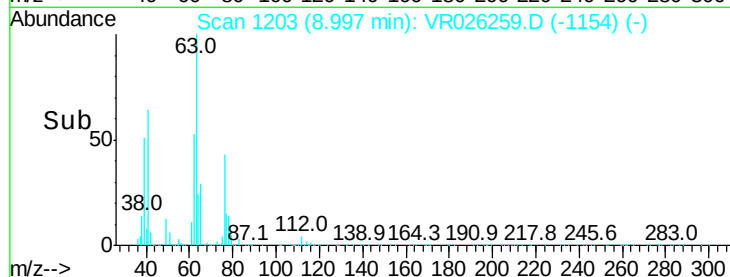
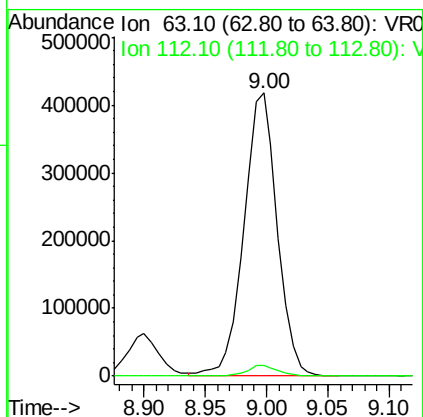
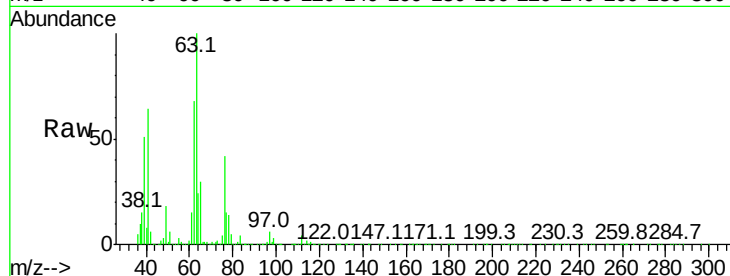




#37
1,2-Dichloropropane
Concen: 18.979 ug/L
RT: 9.00 min Scan# 1203
Delta R.T. -0.00 min
Lab File: VR026259.D
Acq: 21 Nov 2018 13:50

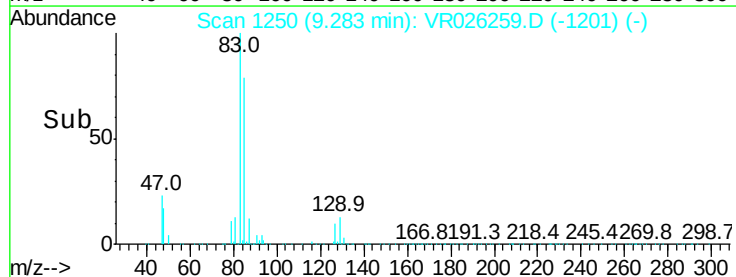
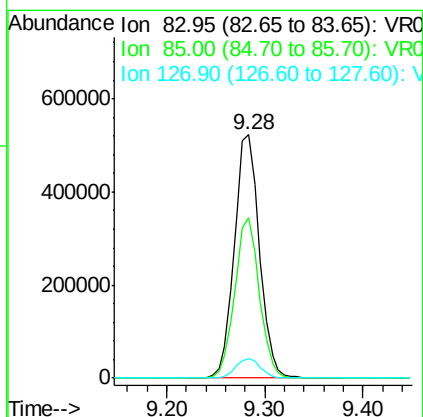
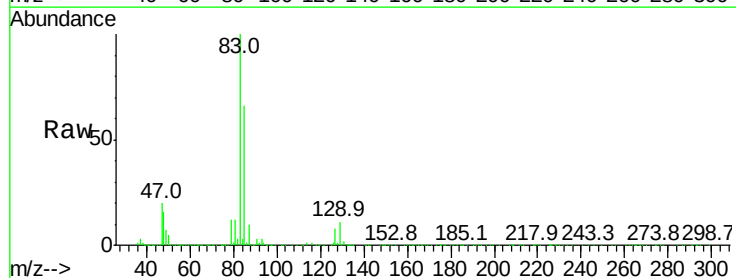
Instrument :
MSVOA_R
ClientSampleId :
VSTD02081

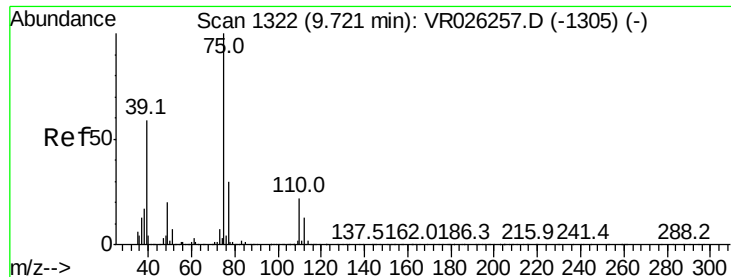
Tgt Ion: 63 Resp: 785424
Ion Ratio Lower Upper
63 100
112 3.6 3.0 4.6



#38
Bromodichloromethane
Concen: 19.186 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: 22.361 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 :

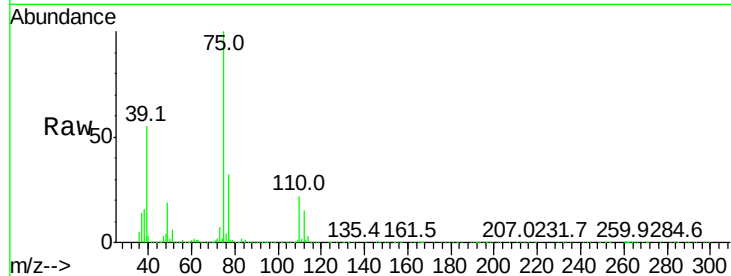
VSTD02081

Tgt Ion: 75 Resp: 1062210

Ion Ratio Lower Upper

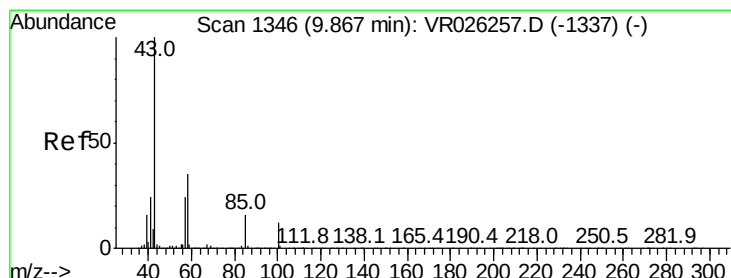
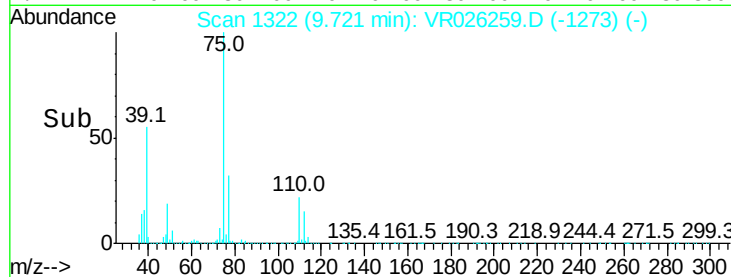
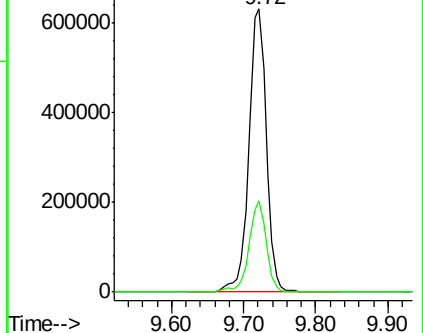
75 100

77 32.1 20.9 38.7



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: 219.699 ug/L

RT: 9.87 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VR026259.D

Acq: 21 Nov 2018 13:50

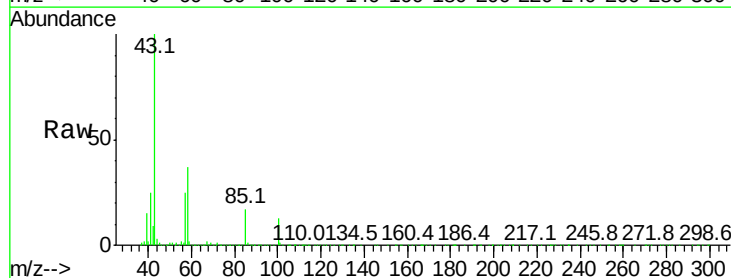
Tgt Ion: 43 Resp: 2526746

Ion Ratio Lower Upper

43 100

58 36.8 28.6 42.8

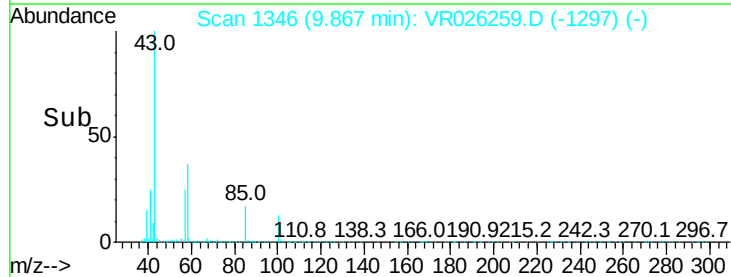
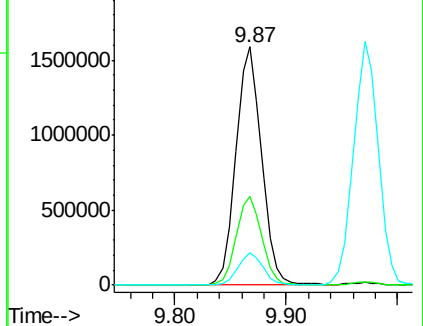
100 13.2 10.0 15.0

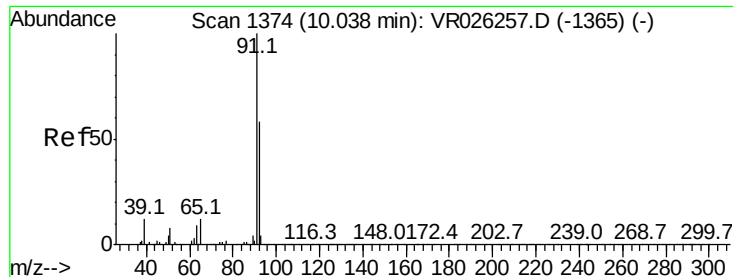


Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0





#42

Toluene

Concen: 18.016 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

ClientSampleId :

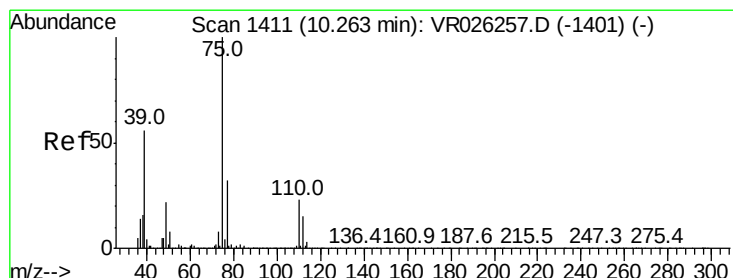
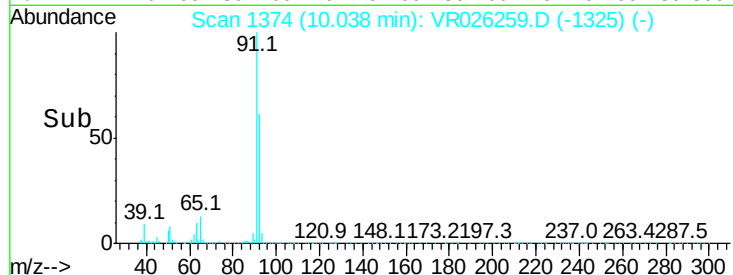
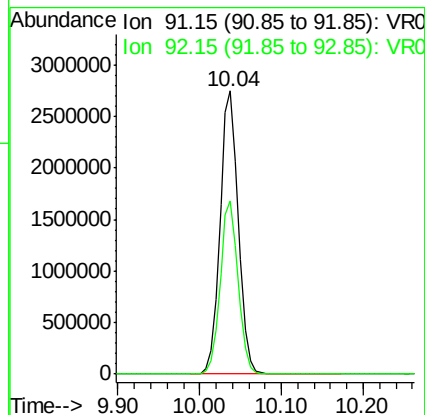
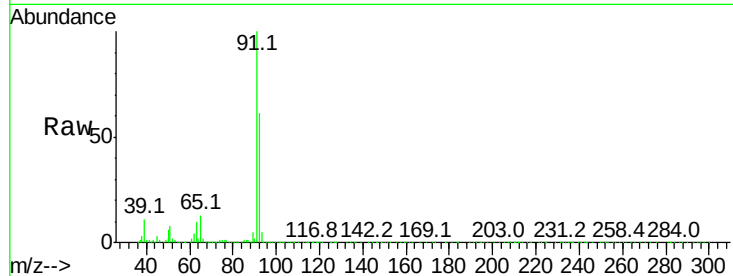
VSTD02081

Tgt Ion: 91 Resp: 4304039

Ion Ratio Lower Upper

91 100

92 61.1 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 22.450 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR026259.D

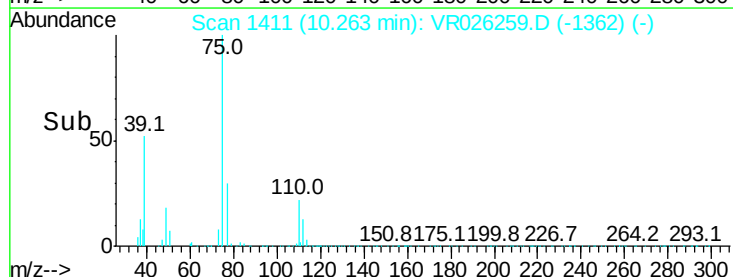
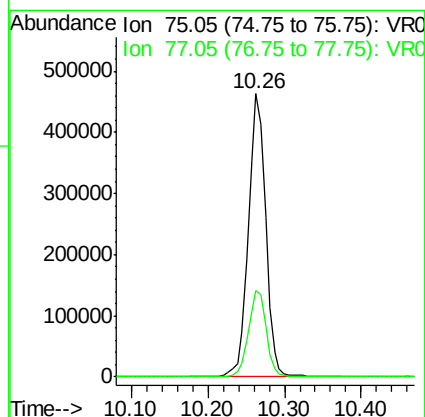
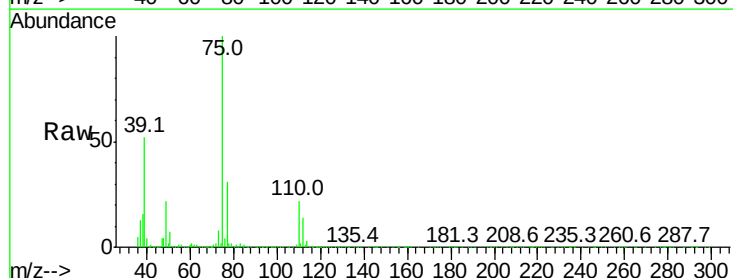
Acq: 21 Nov 2018 13:50

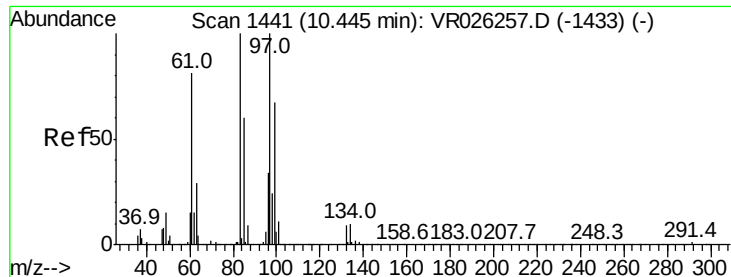
Tgt Ion: 75 Resp: 727907

Ion Ratio Lower Upper

75 100

77 30.6 22.4 41.6

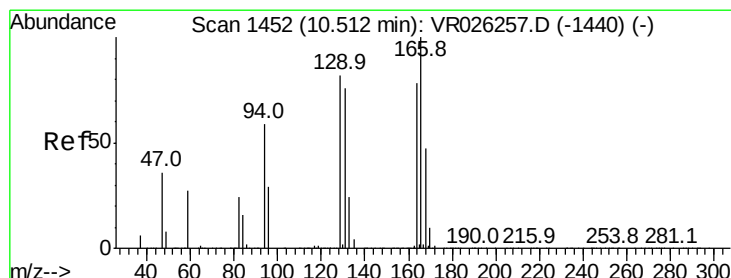
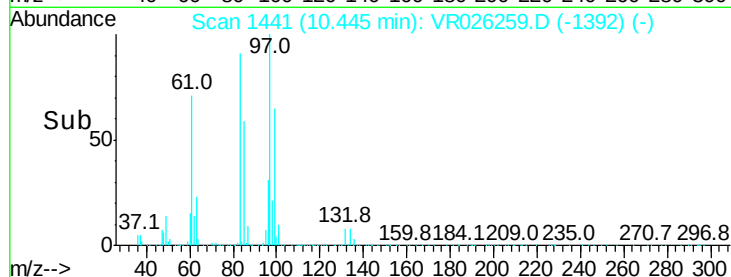
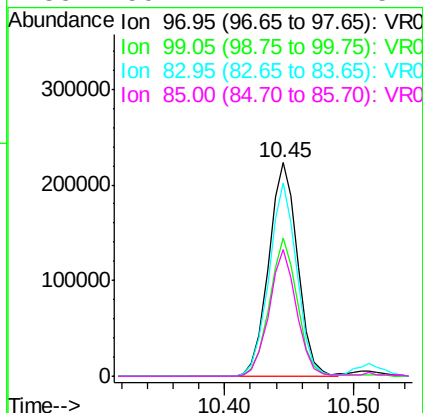
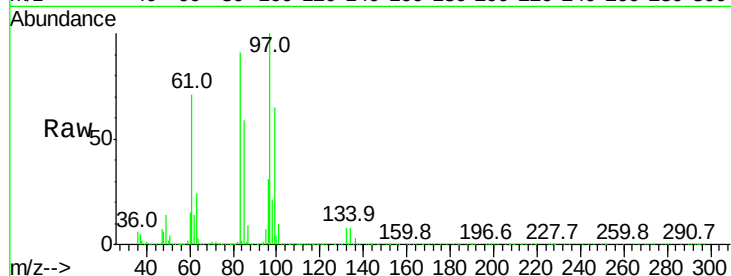




#45
 1,1,2-Trichloroethane
 Concen: 19.596 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VR026259.D
 Acq: 21 Nov 2018 13:50

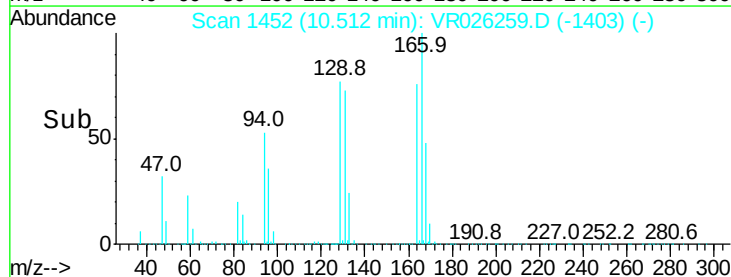
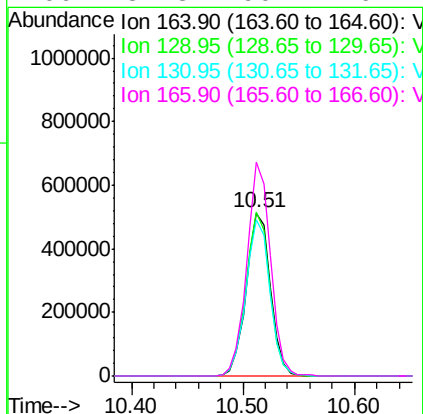
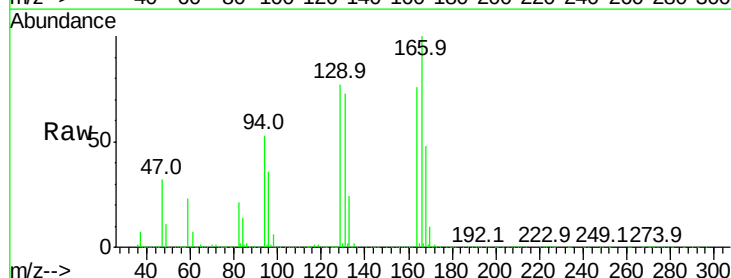
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02081

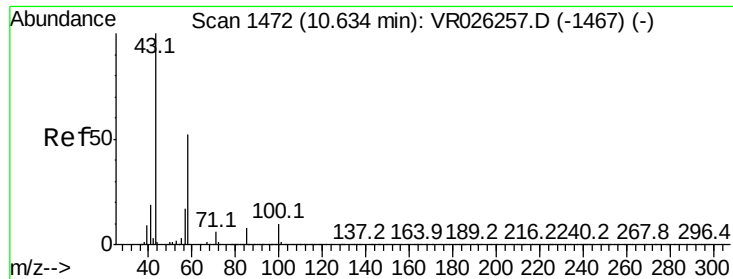
Tgt Ion:	97	Resp:	348986
Ion	Ratio	Lower	Upper
97	100		
99	64.9	46.8	86.8
83	90.5	70.1	130.3
85	59.2	42.1	78.1



#47
 Tetrachloroethene
 Concen: 19.888 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



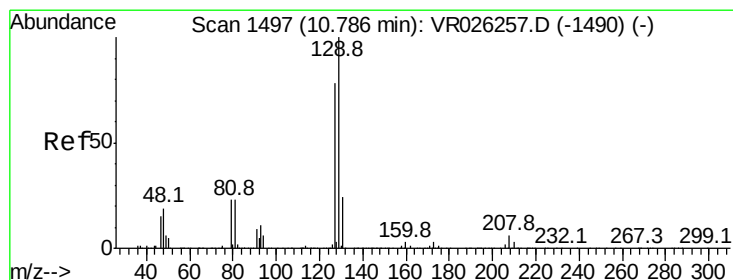
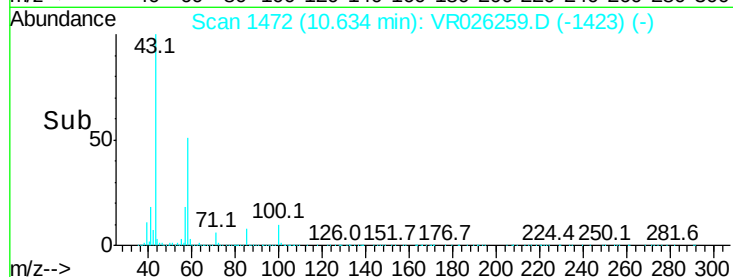
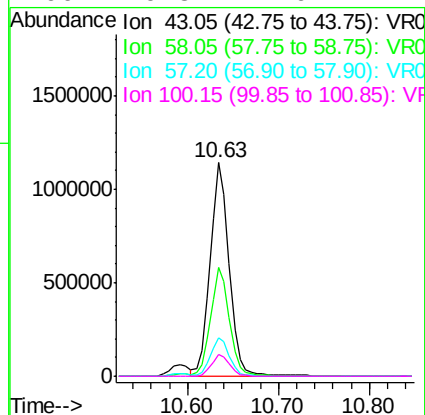
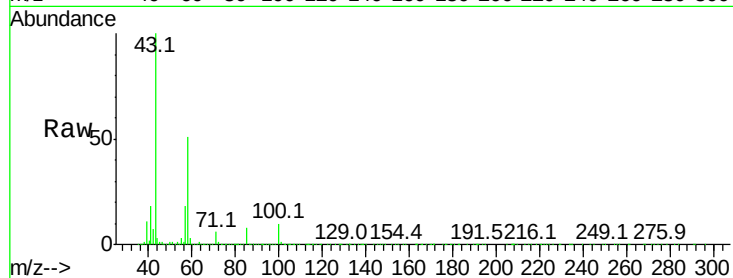


#48
2-Hexanone
Concen: 217.125 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR026259.D
Acq: 21 Nov 2018 13:50

Instrument :
MSVOA_R
ClientSampleId :
VSTD02081

Tgt Ion: 43 Resp: 1677233

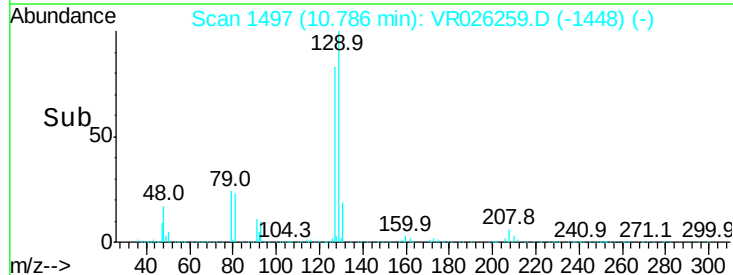
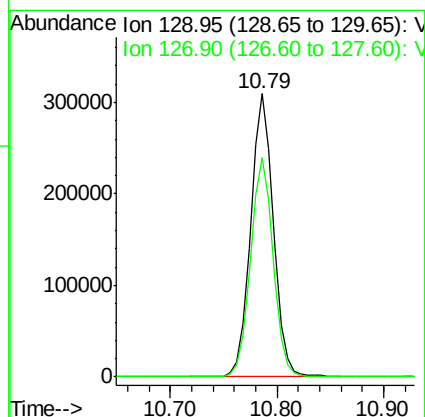
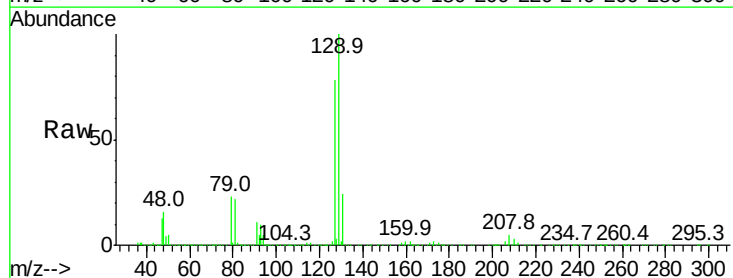
Ion	Ratio	Lower	Upper
43	100		
58	51.8	40.4	60.6
57	18.1	14.2	21.2
100	9.8	7.6	11.4

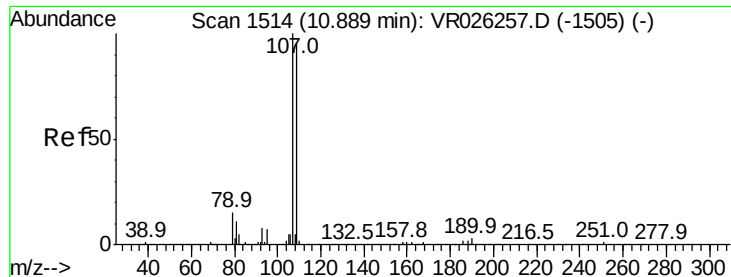


#49
Dibromochloromethane
Concen: 21.370 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VR026259.D
Acq: 21 Nov 2018 13:50

Tgt Ion: 129 Resp: 462511

Ion	Ratio	Lower	Upper
129	100		
127	77.6	54.6	101.4

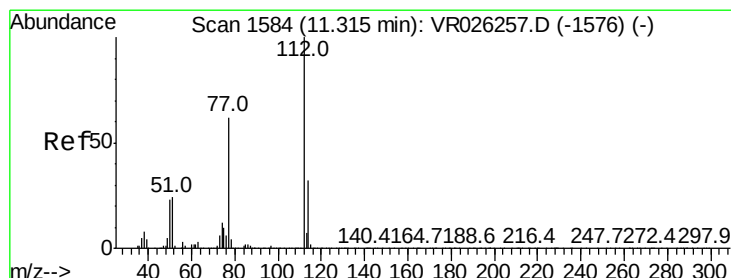
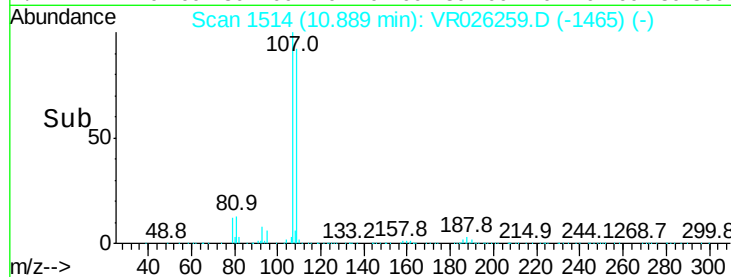
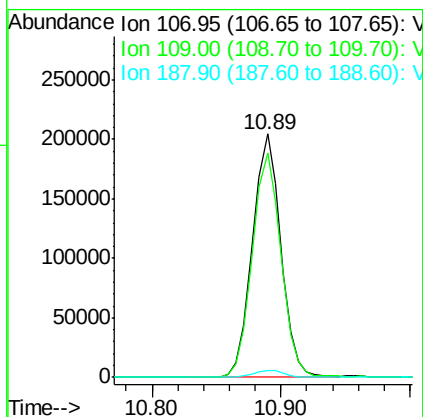
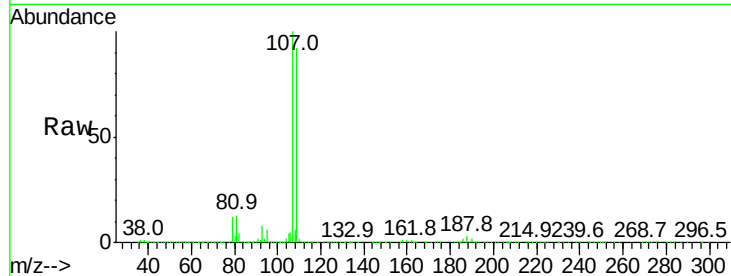




#50
1,2-Dibromoethane
Concen: 19.903 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VR026259.D
Acq: 21 Nov 2018 13:50

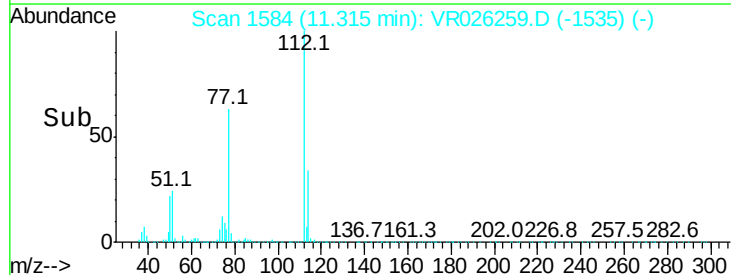
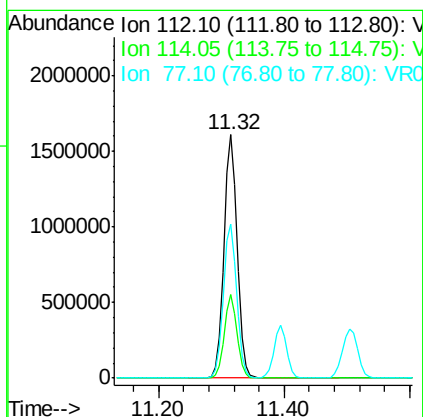
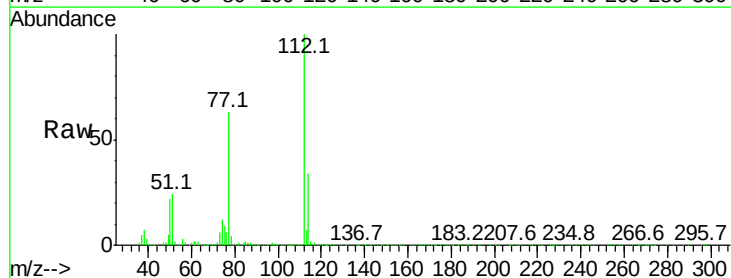
Instrument :
MSVOA_R
ClientSampled :
VSTD02081

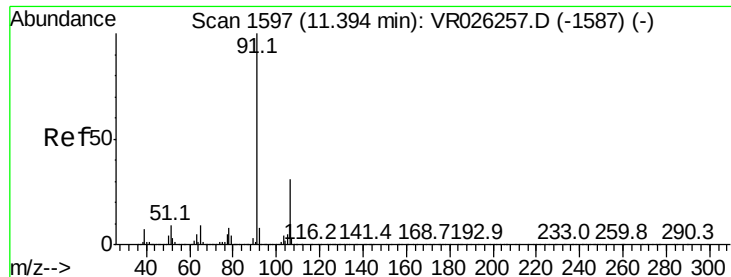
Tgt Ion:107 Resp: 309076
Ion Ratio Lower Upper
107 100
109 92.3 66.6 123.6
188 2.5 2.0 3.0



#51
Chlorobenzene
Concen: 20.069 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:112 Resp: 2346183
Ion Ratio Lower Upper
112 100
114 34.2 22.7 42.3
77 63.0 49.8 74.8





#52

Ethylbenzene

Concen: 20.429 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 :

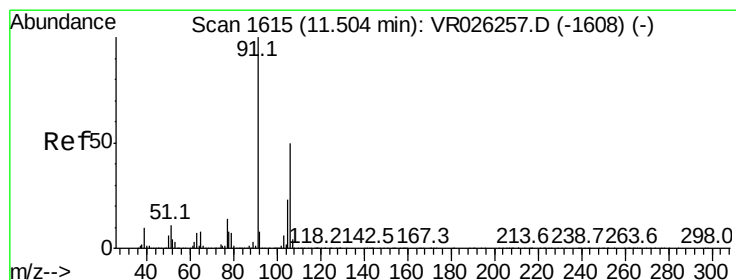
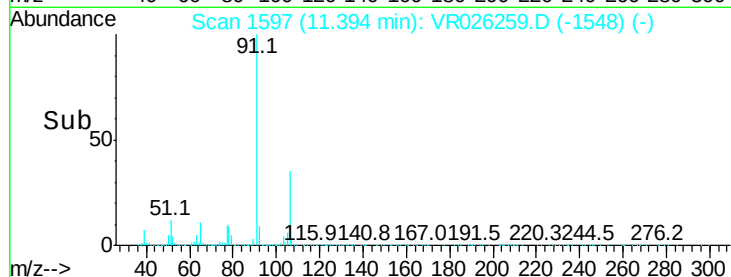
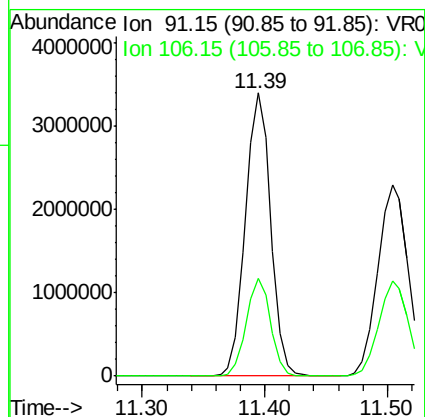
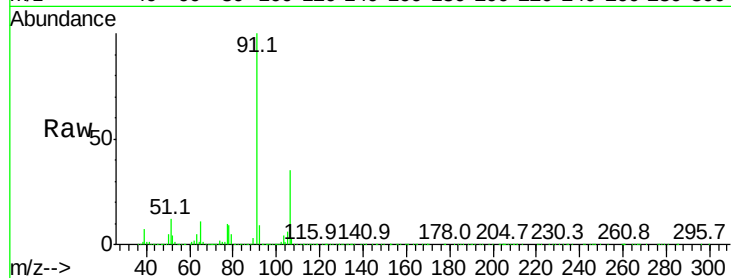
VSTD02081

Tgt Ion: 91 Resp: 4887769

Ion Ratio Lower Upper

91 100

106 34.7 22.0 41.0



#53

m,p-Xylene

Concen: 21.780 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR026259.D

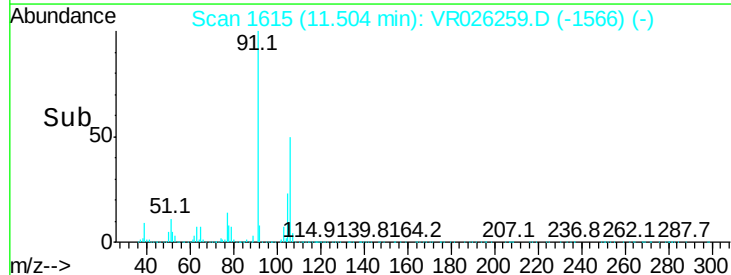
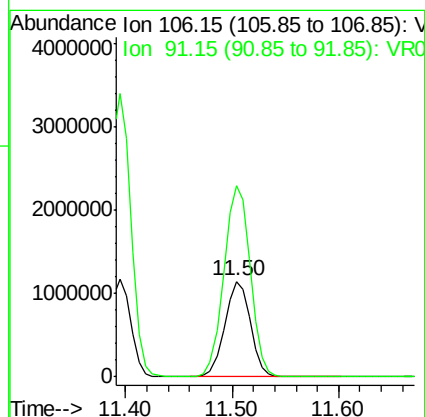
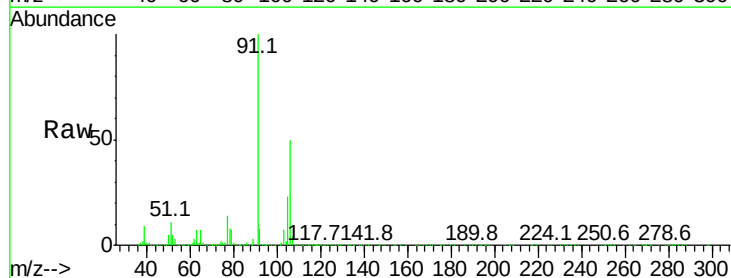
Acq: 21 Nov 2018 13:50

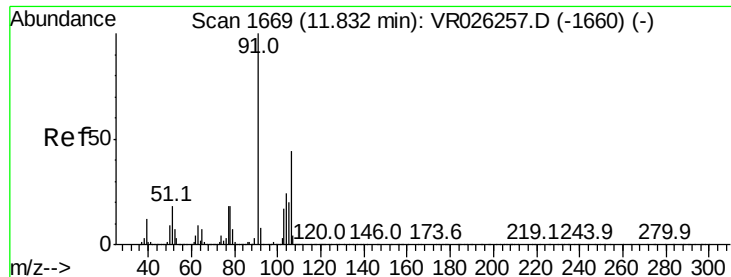
Tgt Ion: 106 Resp: 1921668

Ion Ratio Lower Upper

106 100

91 200.6 141.2 262.2

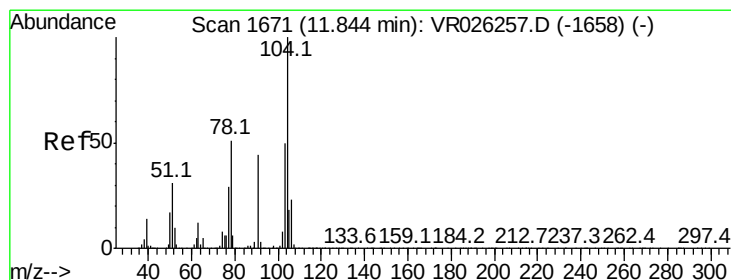
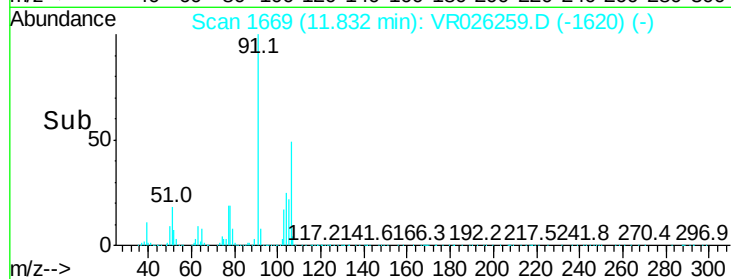
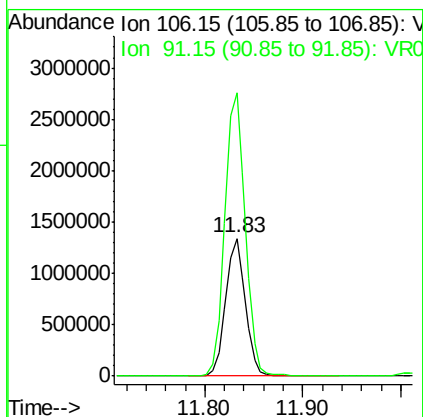
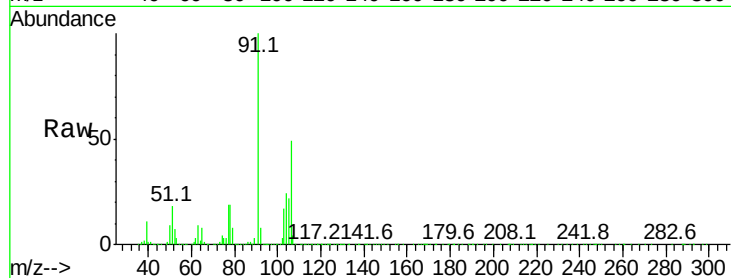




#54
o-Xylene
Concen: 23.146 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. -0.00 min
Lab File: VR026259.D
Acq: 21 Nov 2018 13:50

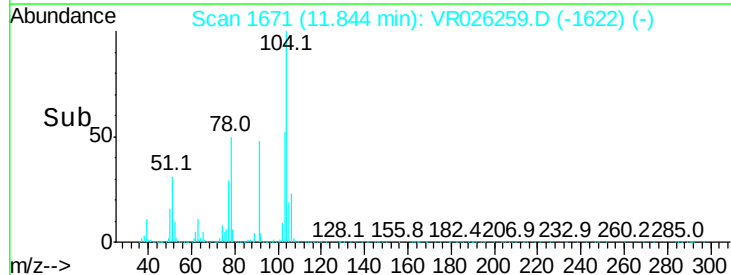
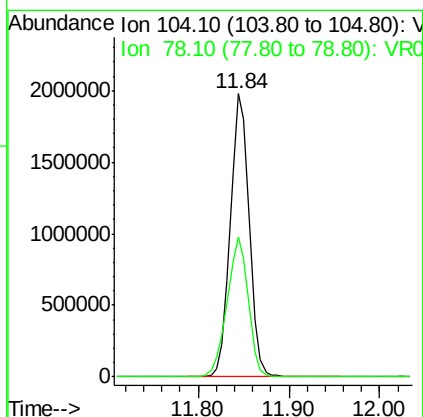
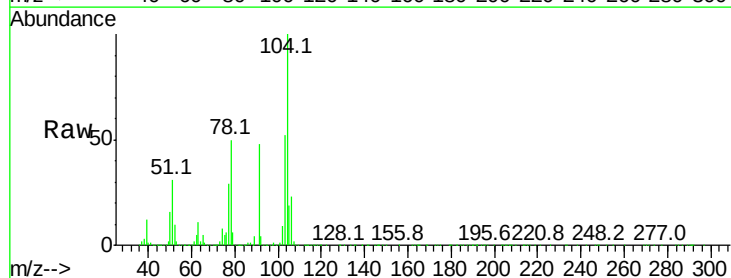
Instrument :
MSVOA_R
ClientSampleId :
VSTD02081

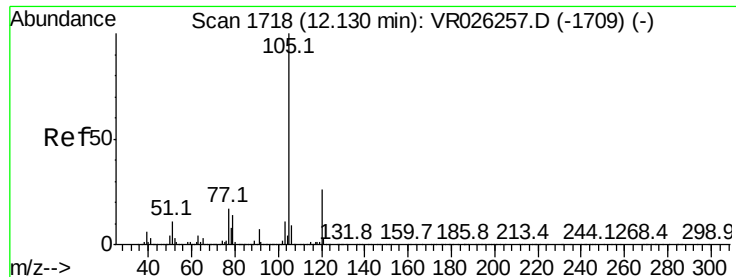
Tgt Ion:106 Resp: 1869976
Ion Ratio Lower Upper
106 100
91 205.0 159.6 296.4



#55
Styrene
Concen: 23.128 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: 21.792 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

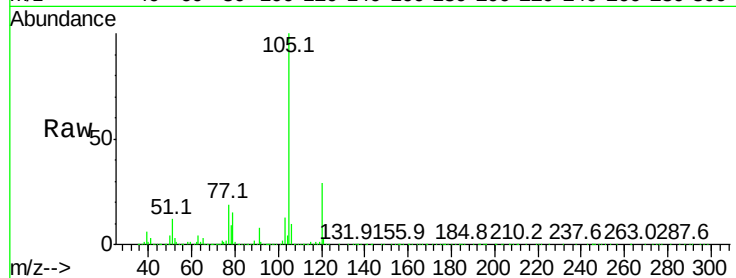
Tgt Ion:105 Resp: 4822694

Ion Ratio Lower Upper

105 100

120 28.2 20.3 30.5

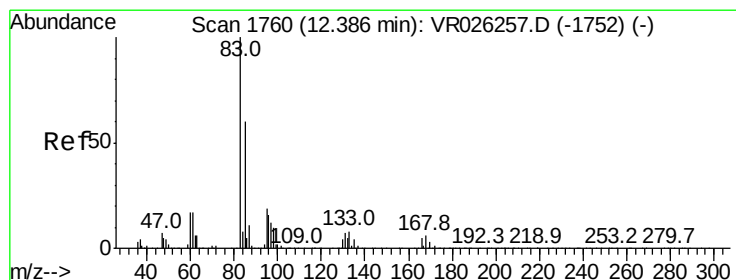
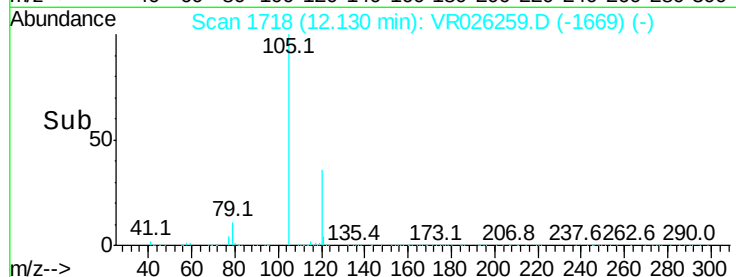
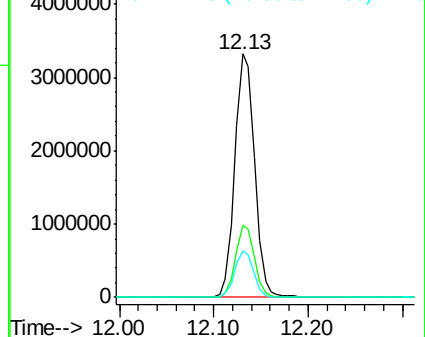
77 18.3 13.8 20.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 19.158 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. -0.00 min

Lab File: VR026259.D

Acq: 21 Nov 2018 13:50

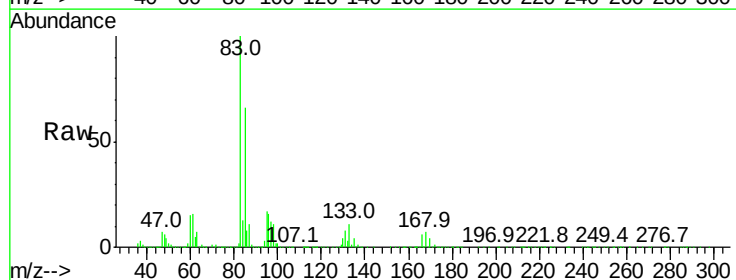
Tgt Ion: 83 Resp: 332108

Ion Ratio Lower Upper

83 100

85 66.1 42.3 78.5

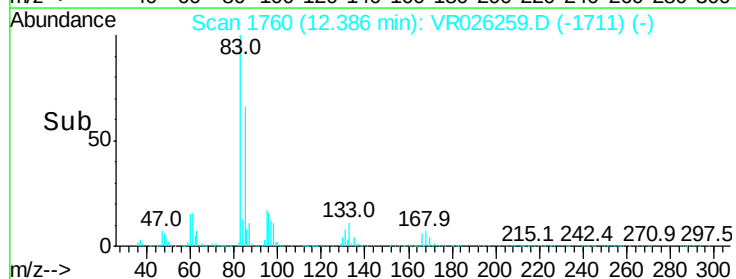
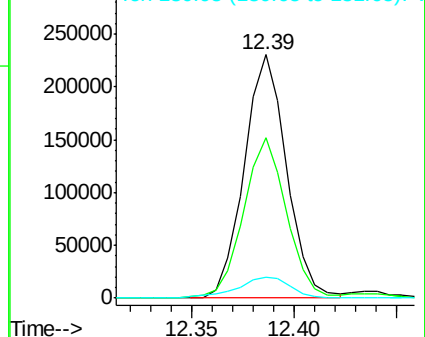
131 8.4 5.4 8.2#

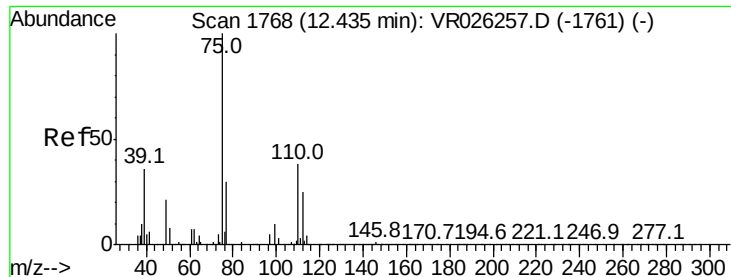


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 18.680 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 :

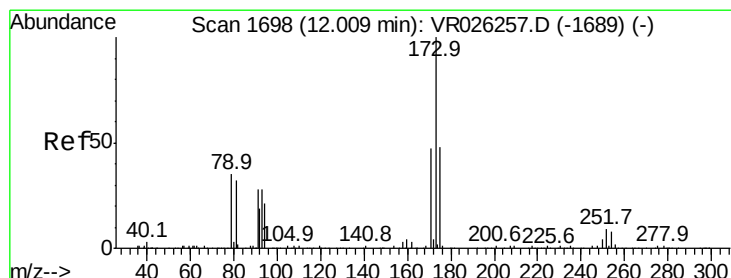
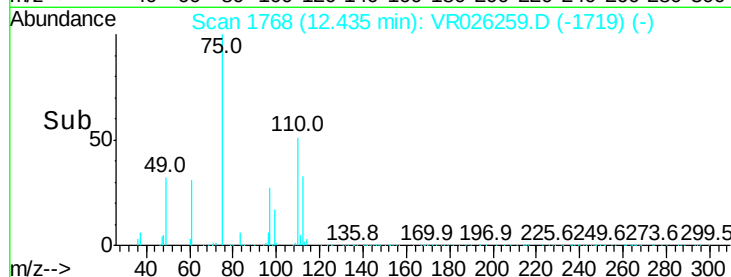
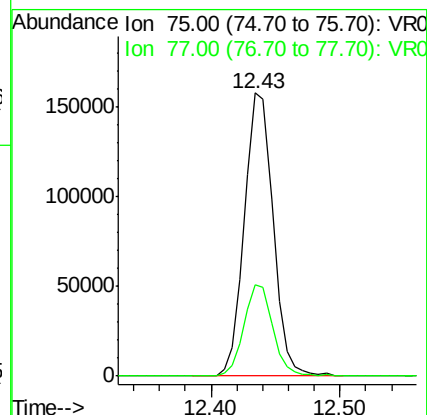
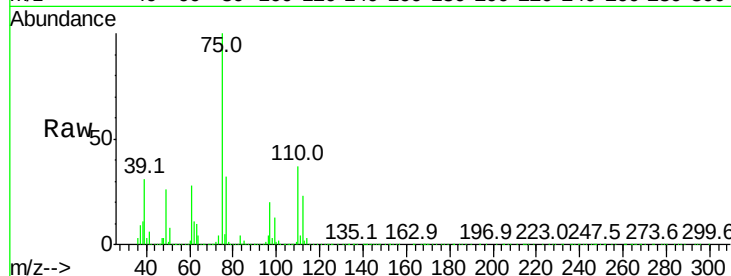
VSTD02081

Tgt Ion: 75 Resp: 242761

Ion Ratio Lower Upper

75 100

77 32.3 25.1 37.7



#61

Bromoform

Concen: 21.162 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VR026259.D

Acq: 21 Nov 2018 13:50

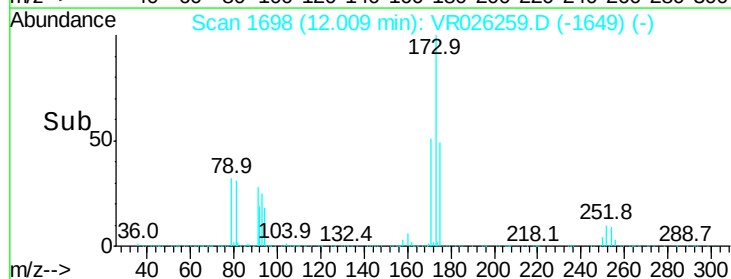
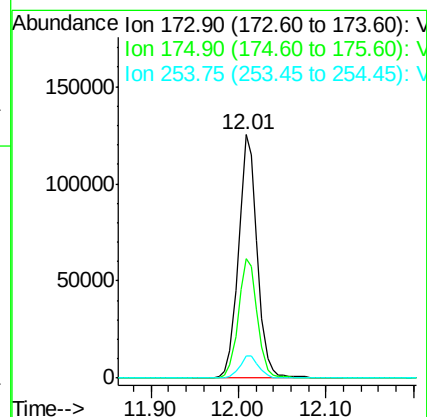
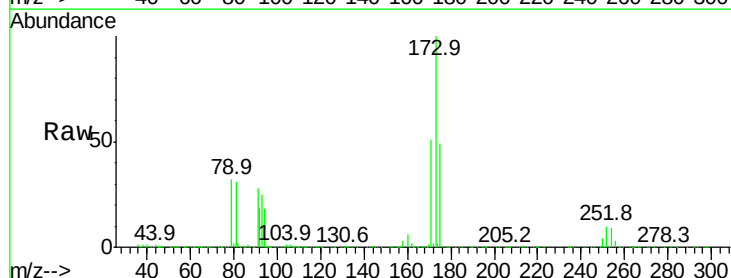
Tgt Ion: 173 Resp: 187765

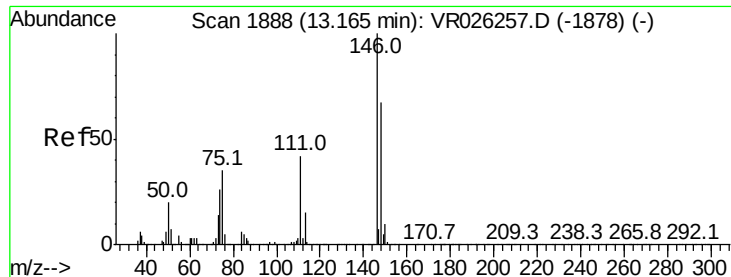
Ion Ratio Lower Upper

173 100

175 49.7 37.8 56.6

254 9.5 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 20.975 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

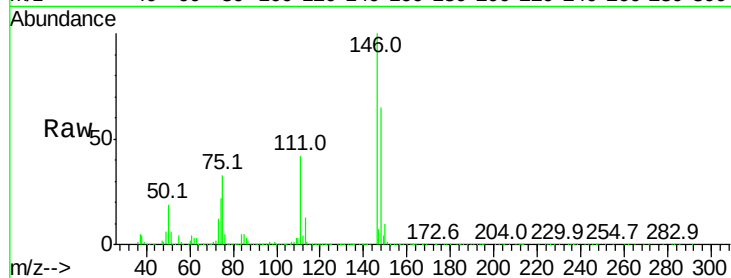
Tgt Ion:146 Resp: 1545085

Ion Ratio Lower Upper

146 100

111 42.5 29.4 54.6

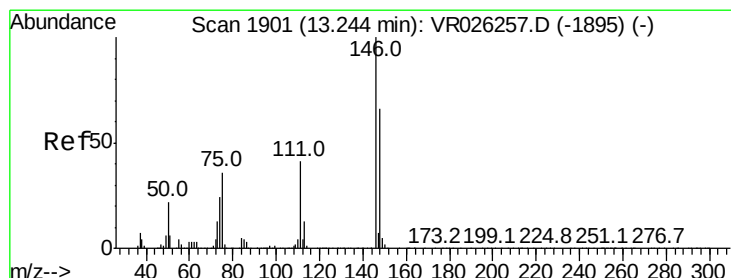
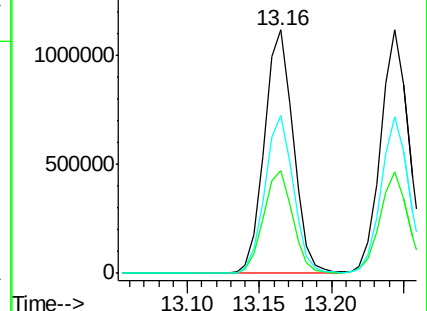
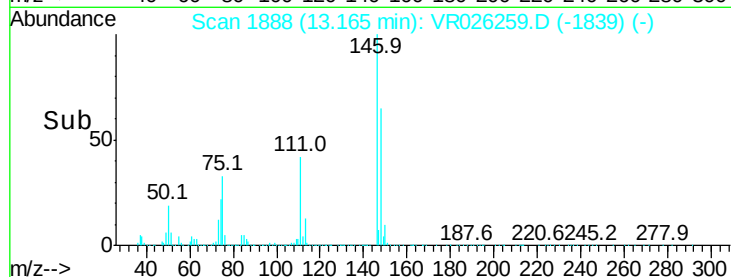
148 64.7 46.5 86.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 19.057 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VR026259.D

Acq: 21 Nov 2018 13:50

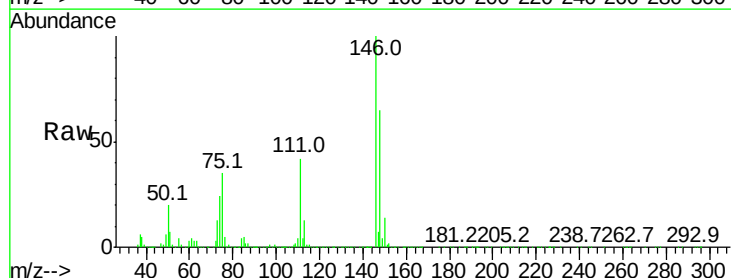
Tgt Ion:146 Resp: 1514454

Ion Ratio Lower Upper

146 100

111 41.5 28.9 53.7

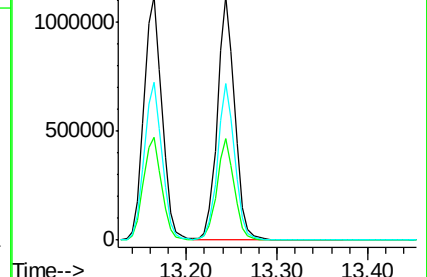
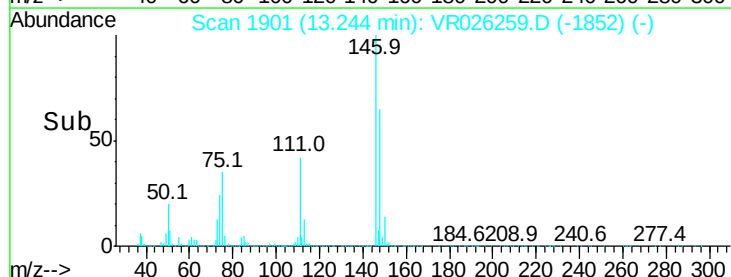
148 64.5 46.3 85.9

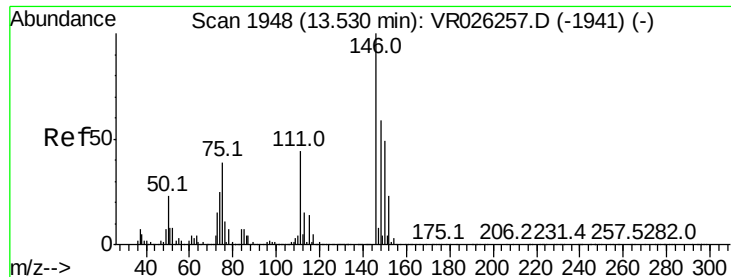


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 19.911 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

ClientSampleId :

VSTD02081

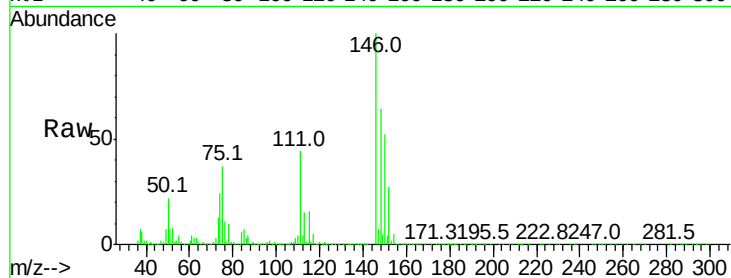
Tgt Ion:146 Resp: 1204531

Ion Ratio Lower Upper

146 100

111 44.1 35.5 53.3

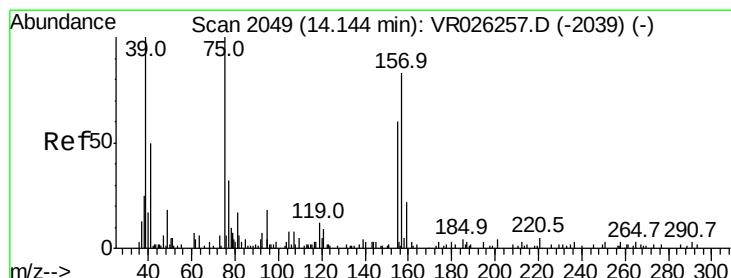
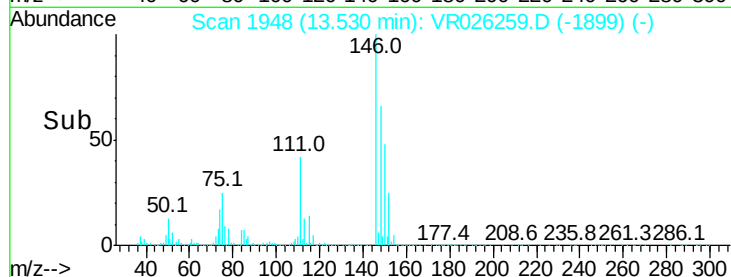
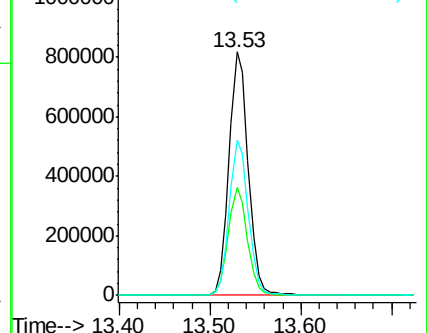
148 63.9 47.6 71.4



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: 16.745 ug/L

RT: 14.14 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VR026259.D

Acq: 21 Nov 2018 13:50

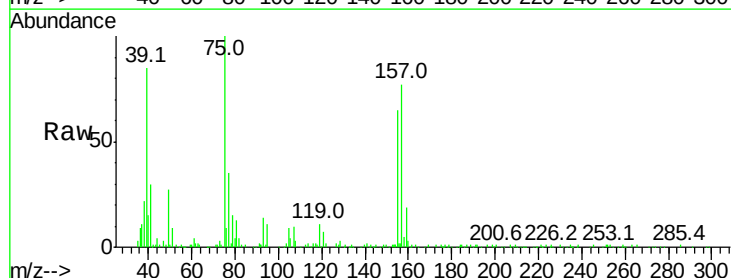
Tgt Ion: 75 Resp: 33866

Ion Ratio Lower Upper

75 100

155 65.2 47.9 71.9

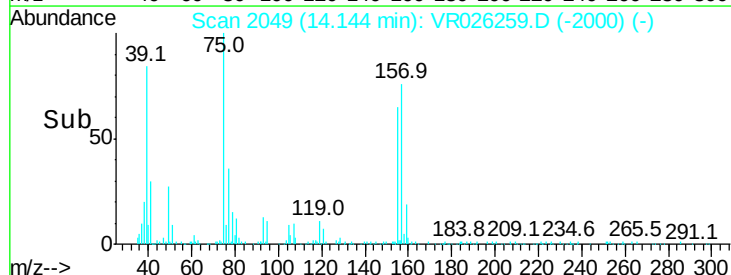
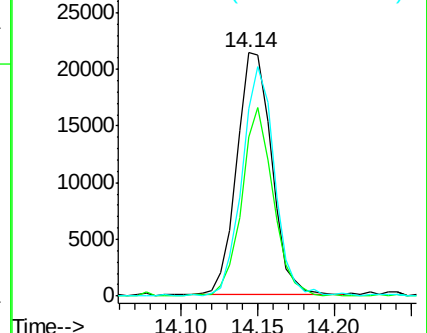
157 76.7 66.5 99.7

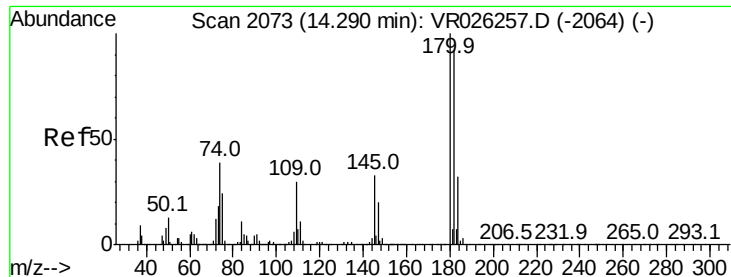


Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

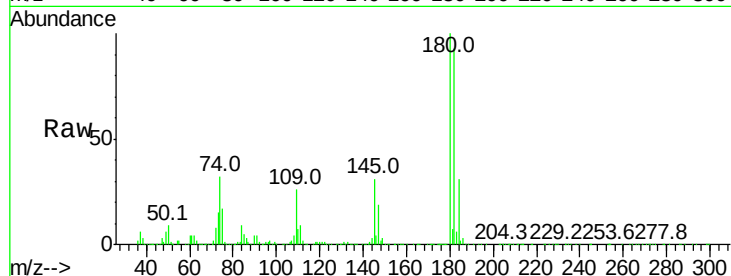




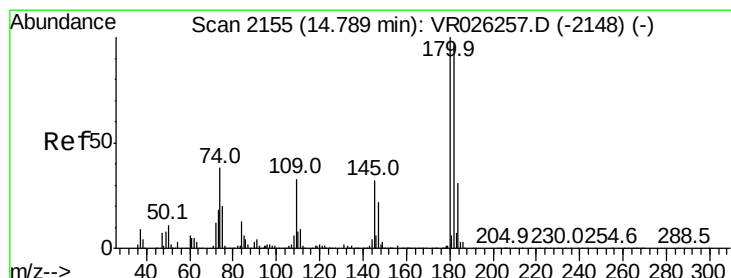
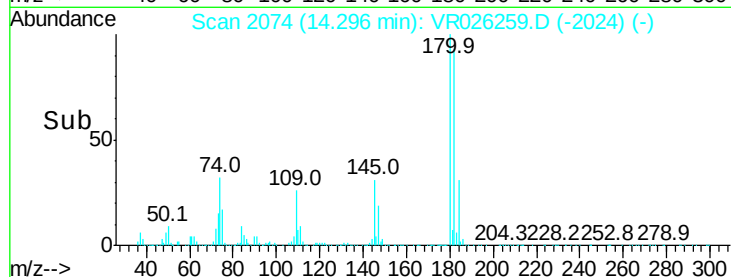
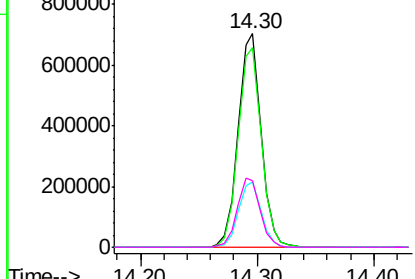
#67
 1,3,5-Trichlorobenzene
 Concen: 20.279 ug/L
 RT: 14.30 min Scan# 2074
 Delta R.T. 0.01 min
 Lab File: VR026259.D
 Acq: 21 Nov 2018 13:50

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

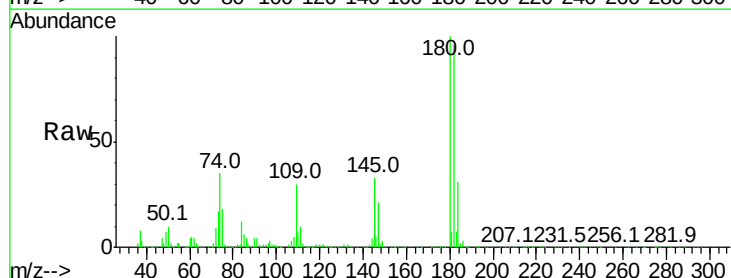


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

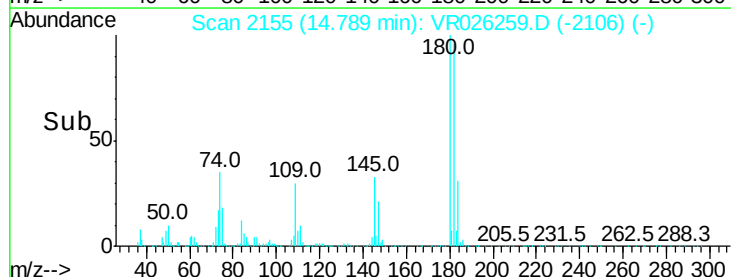
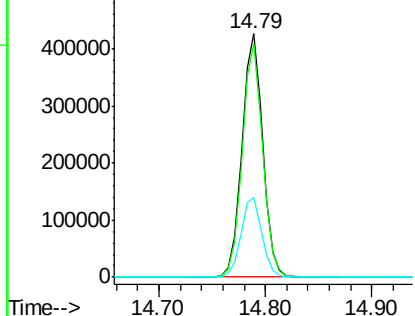


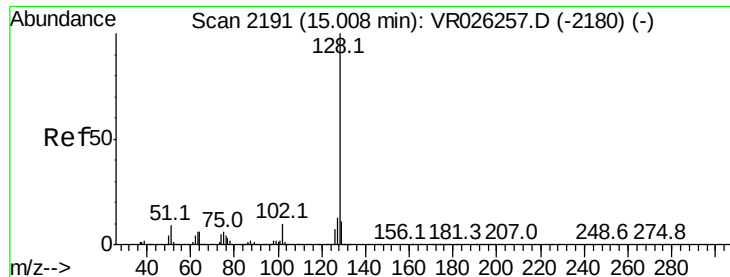
#68
 1,2,4-trichlorobenzene
 Concen: 21.574 ug/L
 RT: 14.79 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VR026259.D
 Acq: 21 Nov 2018 13:50

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



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 24.883 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

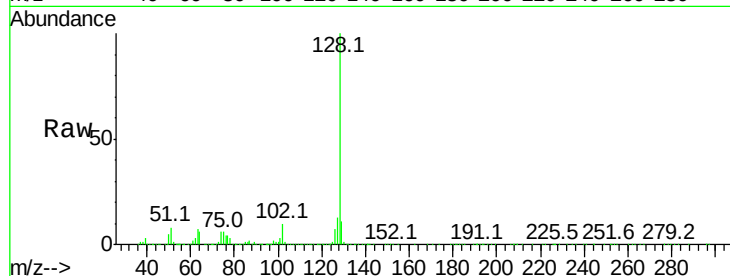
Tgt Ion:128 Resp: 653730

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

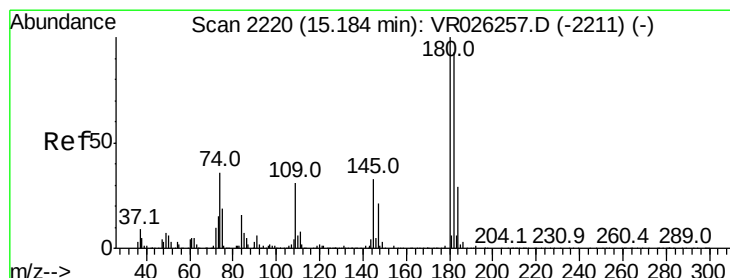
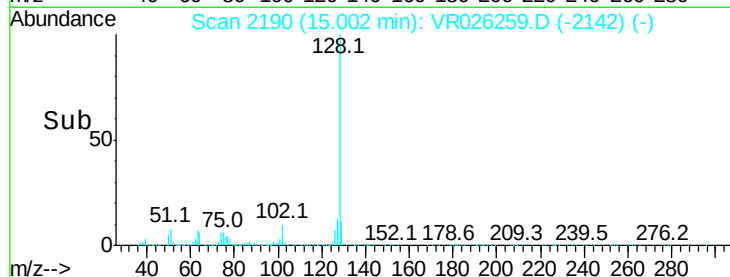
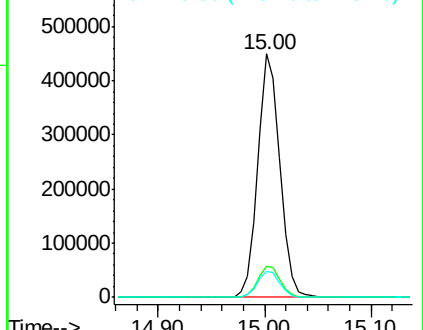
129 11.0 9.2 13.8



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: 20.344 ug/L

RT: 15.18 min Scan# 2220

Delta R.T. -0.00 min

Lab File: VR026259.D

Acq: 21 Nov 2018 13:50

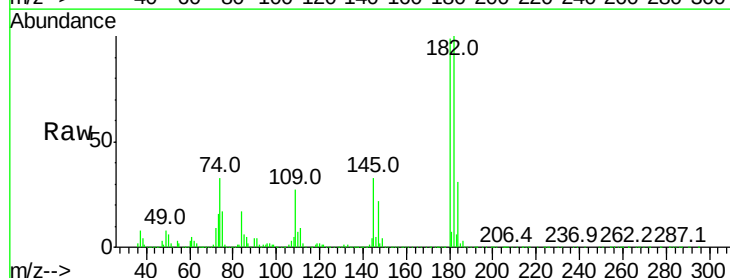
Tgt Ion:180 Resp: 392525

Ion Ratio Lower Upper

180 100

182 95.9 73.9 110.9

145 34.7 28.2 42.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

