

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR021119\
 Data File : VR026305.D
 Acq On : 11 Feb 2019 12:43
 Operator : SY/MD
 Sample : VSTD00182
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00182

Quant Time: Feb 14 04:47:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR021119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Feb 14 04:34:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	503497	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	415978	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	147134	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	54002	1.18	ug/L	0.00
7) Chloroethane-d5	2.62	69	42663	1.14	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.61	63	126010	1.14	ug/L	0.00
20) 2-Butanone-d5	6.59	46	27586	9.41	ug/L	0.00
24) Chloroform-d	7.20	84	84337	1.11	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.90	65	30203	1.09	ug/L	0.00
32) Benzene-d6	7.85	84	147245	1.04	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.89	67	39439	1.08	ug/L	0.00
41) Toluene-d8	9.97	98	129490	0.98	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	9736	0.99	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	16765	7.54	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	15251	1.10	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.51	152	26077	1.06	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.82	85	55519	1.197 ug/L	99
3) Chloromethane	2.01	50	59430	1.122 ug/L	89
5) Vinyl chloride	2.16	62	59468	1.114 ug/L	99
6) Bromomethane	2.52	94	38346	1.117 ug/L	96
8) Chloroethane	2.66	64	35362	1.103 ug/L	96
9) Trichlorofluoromethane	2.94	101	46488	0.534 ug/L #	52
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	53301	1.166 ug/L	98
12) 1,1-Dichloroethene	3.62	96	52561	1.093 ug/L #	66
13) Acetone	3.70	43	32882	10.651 ug/L	99
14) Carbon disulfide	3.93	76	164902	1.048 ug/L	97
15) Methyl Acetate	4.19	43	9733	1.149 ug/L	98
16) Methylene chloride	4.40	84	46240	1.135 ug/L	88
17) Methyl tert-butyl Ether	4.89	73	38763	0.915 ug/L	97
18) trans-1,2-Dichloroethene	4.88	96	43500	0.996 ug/L	90
19) 1,1-Dichloroethane	5.70	63	76724	1.024 ug/L	98
21) 2-Butanone	6.69	43	30465	8.717 ug/L	95
22) cis-1,2-Dichloroethene	6.67	96	30776	0.874 ug/L #	99
23) Bromochloromethane	7.04	128	11511	1.048 ug/L	90
25) Chloroform	7.23	83	76647	1.053 ug/L	86
27) 1,2-Dichloroethane	7.99	62	32891	1.044 ug/L	97
29) 1,1,1-Trichloroethane	7.43	97	71946	1.051 ug/L	98
30) Cyclohexane	7.52	56	46523	0.849 ug/L	97
31) Carbon tetrachloride	7.64	117	67230	1.059 ug/L	98
33) Benzene	7.91	78	165114	1.003 ug/L	100
34) Trichloroethene	8.71	95	42109	0.992 ug/L	96
35) Methylcyclohexane	8.95	83	51923	0.880 ug/L	94
37) 1,2-Dichloropropane	8.99	63	37584	1.058 ug/L #	93
38) Bromodichloromethane	9.28	83	41176	1.039 ug/L #	95
39) cis-1,3-Dichloropropene	9.72	75	28668	0.784 ug/L	100
40) 4-Methyl-2-pentanone	9.87	43	69189	8.446 ug/L	94

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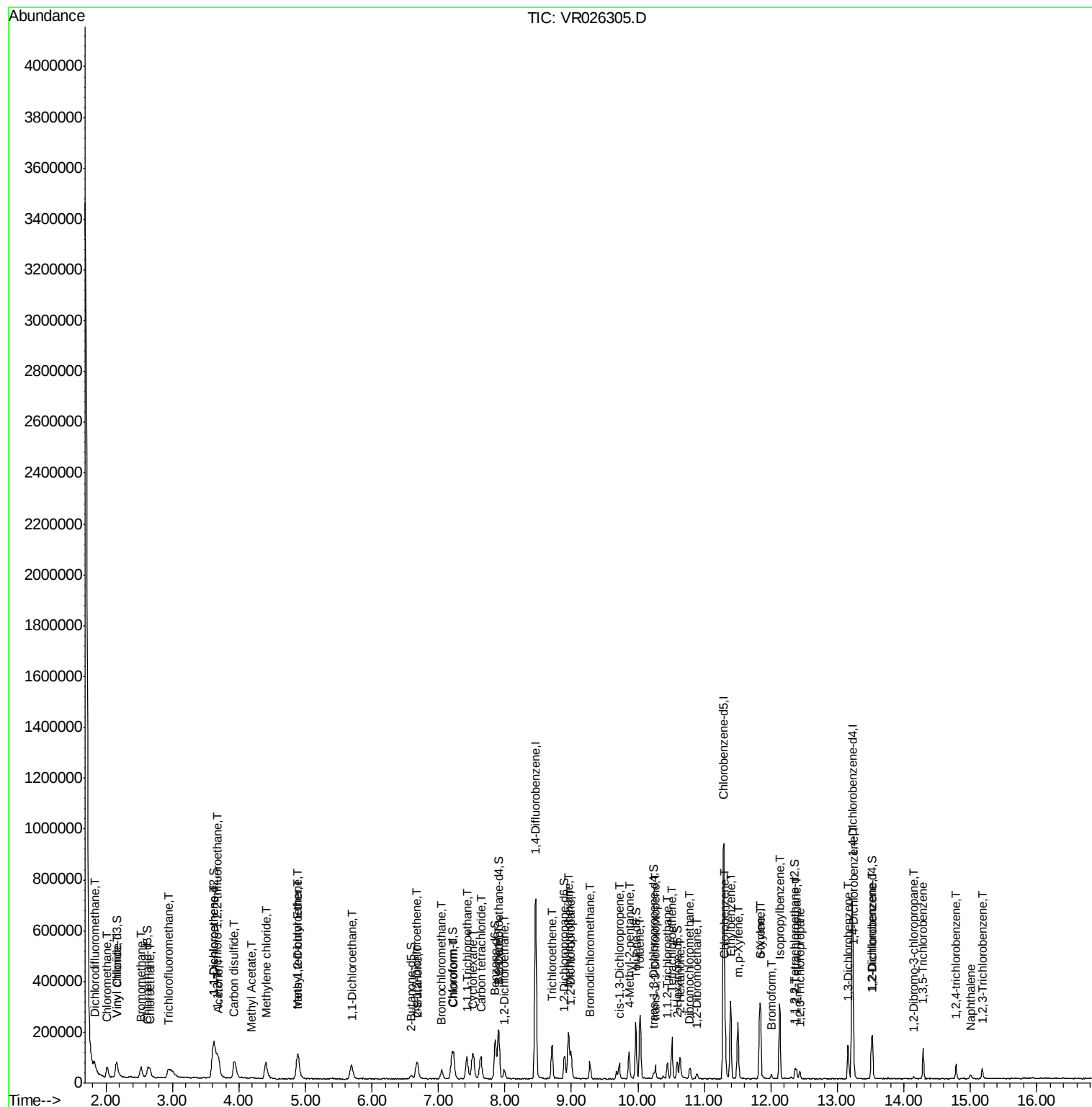
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.03	91	164765	0.974	ug/L	95
44) trans-1,3-Dichloropropene	10.26	75	24645	0.908	ug/L	98
45) 1,1,2-Trichloroethane	10.45	97	15687	1.057	ug/L	96
47) Tetrachloroethene	10.51	164	32026	0.983	ug/L	96
48) 2-Hexanone	10.63	43	48916	8.880	ug/L	93
49) Dibromochloromethane	10.79	129	18898	0.991	ug/L	91
50) 1,2-Dibromoethane	10.89	107	12229	1.036	ug/L	95
51) Chlorobenzene	11.32	112	101674	1.051	ug/L	92
52) Ethylbenzene	11.39	91	176129	0.931	ug/L	98
53) m,p-Xylene	11.50	106	62147	0.899	ug/L	99
54) o-Xylene	11.83	106	48171	0.808	ug/L	98
55) Styrene	11.84	104	83480	0.892	ug/L	99
56) Isopropylbenzene	12.13	105	143965	0.850	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	14460	1.052	ug/L #	84
59) 1,2,3-Trichloropropane	12.43	75	10079	1.017	ug/L	95
61) Bromoform	12.01	173	7635	1.054	ug/L #	96
62) 1,3-Dichlorobenzene	13.16	146	46361	0.965	ug/L	90
63) 1,4-Dichlorobenzene	13.24	146	59175	1.079	ug/L	94
65) 1,2-Dichlorobenzene	13.53	146	42408	1.030	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.14	75	1564	1.183	ug/L #	67
67) 1,3,5-Trichlorobenzene	14.29	180	29815	0.968	ug/L	97
68) 1,2,4-trichlorobenzene	14.79	180	14118	0.849	ug/L	93
69) Naphthalene	15.00	128	10493	0.703	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	10404	0.867	ug/L	92

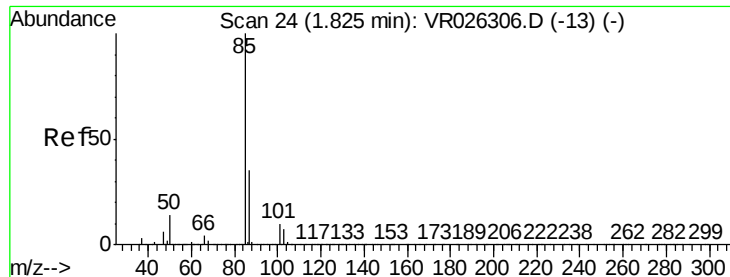
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.197 ug/L

RT: 1.82 min Scan# 24

Delta R.T. -0.00 min

Lab File: VR026305.D

Acq: 11 Feb 2019 12:43

Instrument :

MSVOA_R

ClientSampleId :

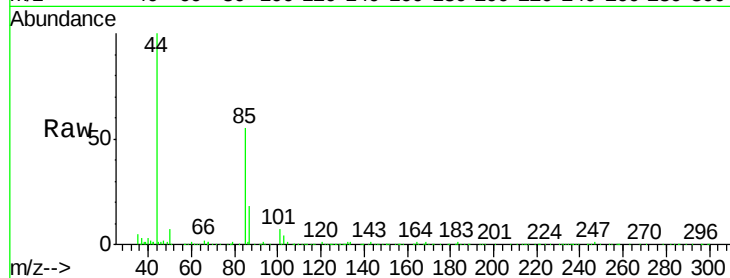
VSTD00182

Tgt Ion: 85 Resp: 55519

Ion Ratio Lower Upper

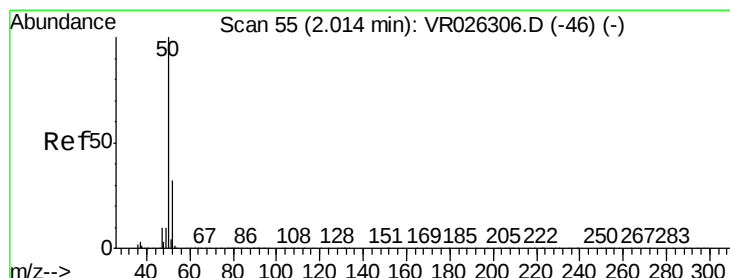
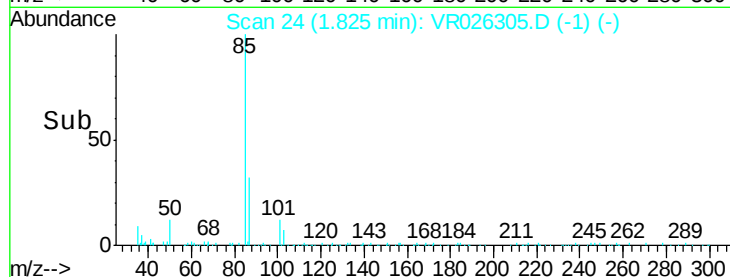
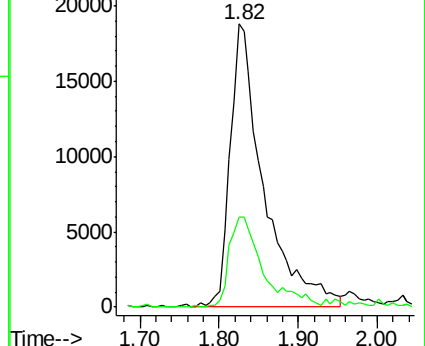
85 100

87 32.1 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 1.122 ug/L

RT: 2.01 min Scan# 54

Delta R.T. -0.01 min

Lab File: VR026305.D

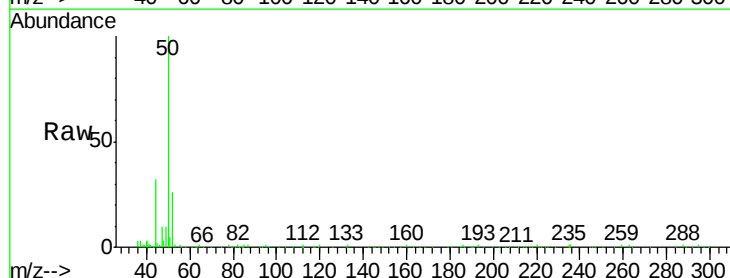
Acq: 11 Feb 2019 12:43

Tgt Ion: 50 Resp: 59430

Ion Ratio Lower Upper

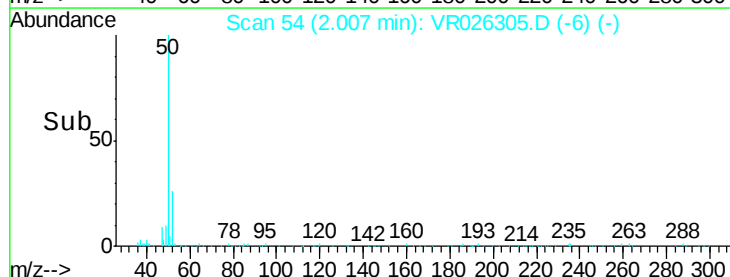
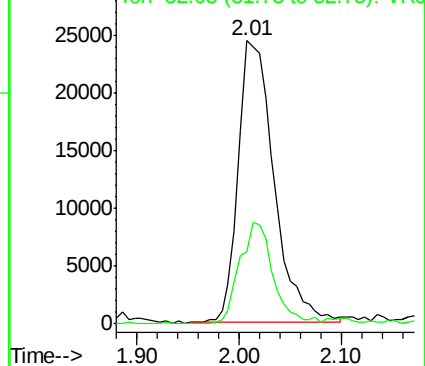
50 100

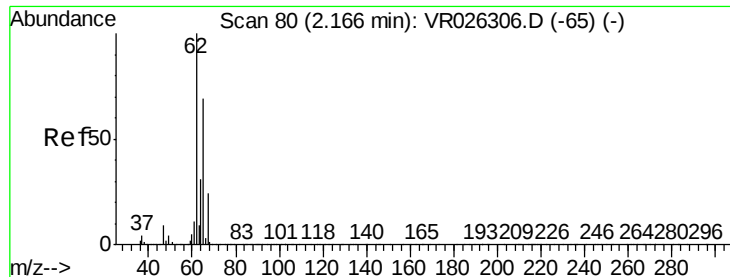
52 25.5 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 1.114 ug/L

RT: 2.16 min Scan# 79

Delta R.T. -0.01 min

Lab File: VR026305.D

Acq: 11 Feb 2019 12:43

Instrument :

MSVOA_R

ClientSampleId :

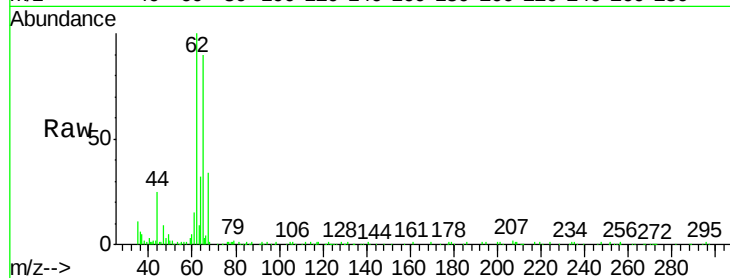
VSTD00182

Tgt Ion: 62 Resp: 59468

Ion Ratio Lower Upper

62 100

64 32.1 22.2 41.2



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0

20000

15000

10000

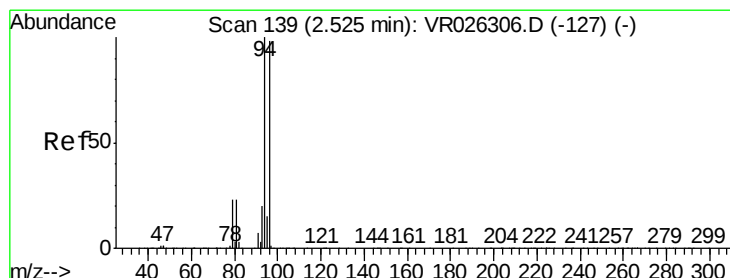
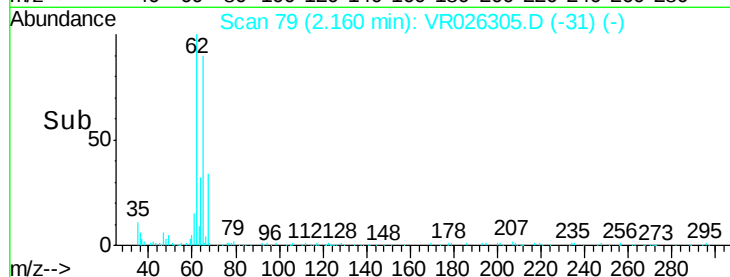
5000

0

Time-->

2.00 2.10 2.20 2.30

2.16



#6

Bromomethane

Concen: 1.117 ug/L

RT: 2.52 min Scan# 139

Delta R.T. -0.00 min

Lab File: VR026305.D

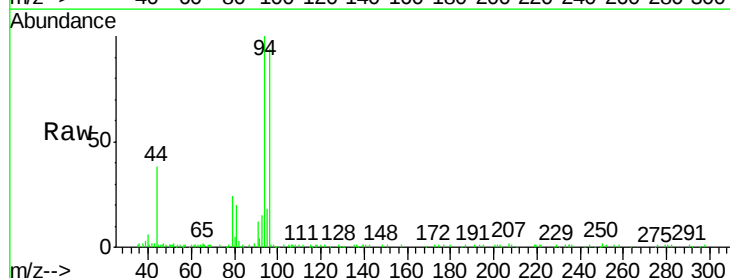
Acq: 11 Feb 2019 12:43

Tgt Ion: 94 Resp: 38346

Ion Ratio Lower Upper

94 100

96 94.4 68.6 127.4



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0

15000

10000

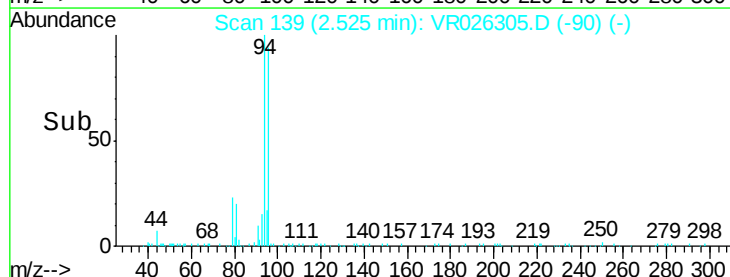
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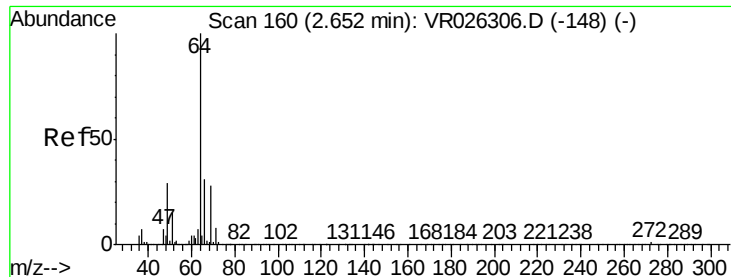
0

Time-->

2.40 2.50 2.60

2.52





#8

Chloroethane

Concen: 1.103 ug/L

RT: 2.66 min Scan# 162

Delta R.T. 0.01 min

Lab File: VR026305.D

Acq: 11 Feb 2019 12:43

Instrument :

MSVOA_R

ClientSampleId :

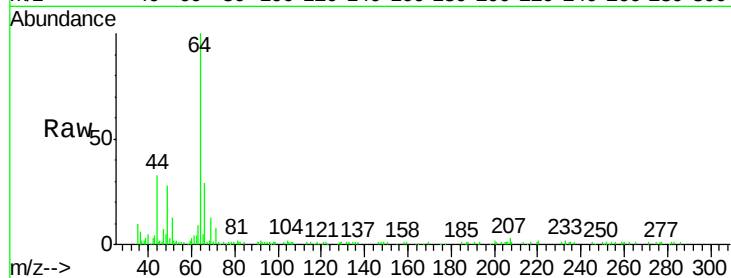
VSTD00182

Tgt Ion: 64 Resp: 35362

Ion Ratio Lower Upper

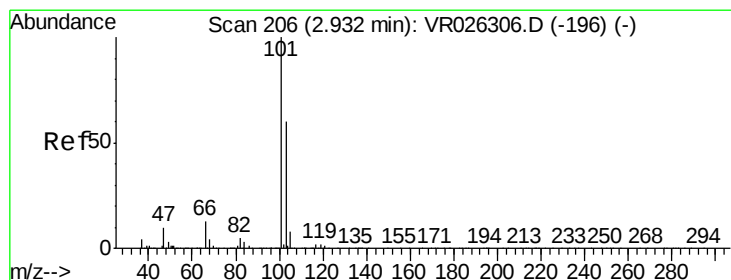
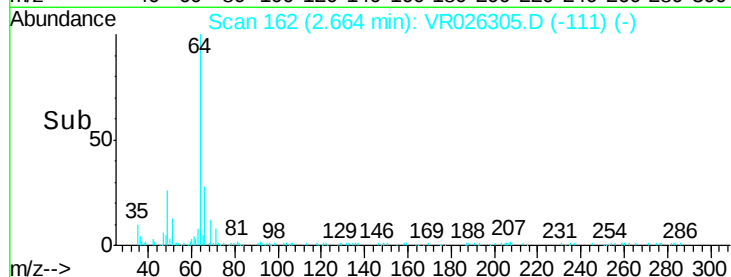
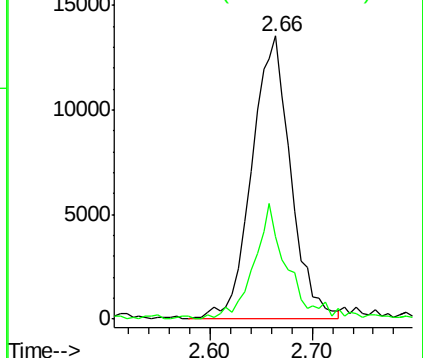
64 100

66 29.1 22.0 40.8



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0



#9

Trichlorofluoromethane

Concen: 0.534 ug/L

RT: 2.94 min Scan# 207

Delta R.T. 0.01 min

Lab File: VR026305.D

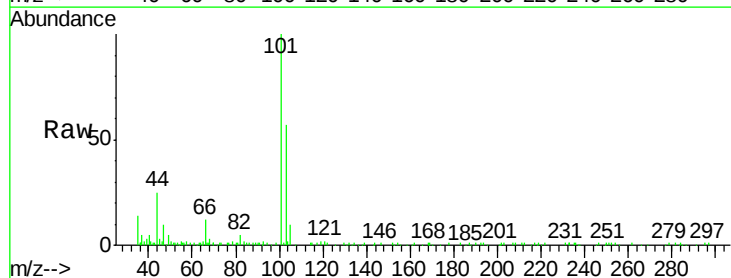
Acq: 11 Feb 2019 12:43

Tgt Ion: 101 Resp: 46488

Ion Ratio Lower Upper

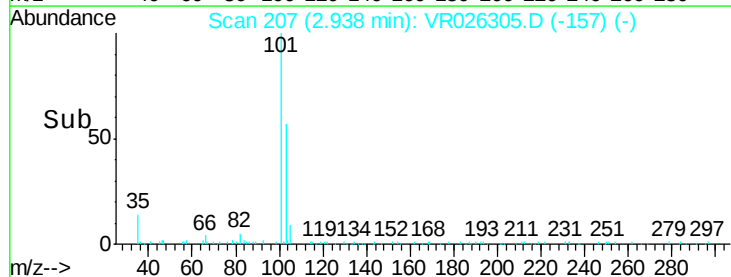
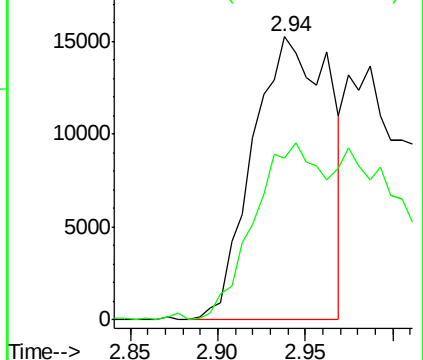
101 100

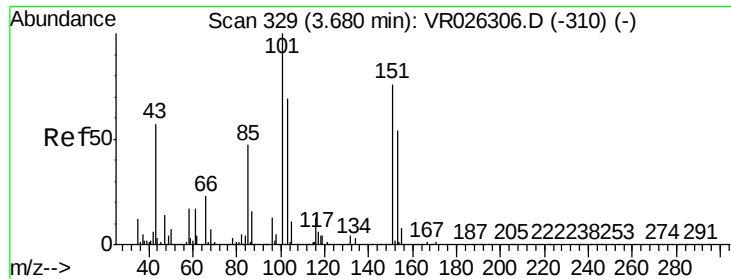
103 55.4 23.5 35.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 1.166 ug/L

RT: 3.67 min Scan# 328

Delta R.T. -0.01 min

Lab File: VR026305.D

Acq: 11 Feb 2019 12:43

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VSTD00182

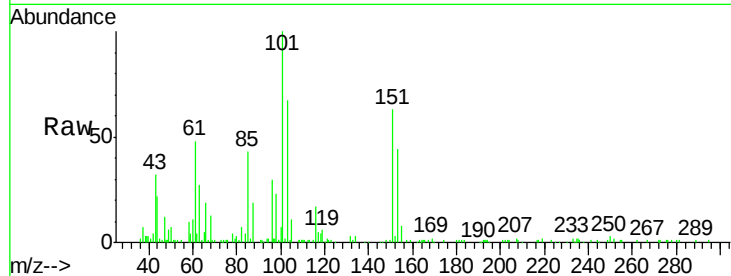
Tgt Ion: 101 Resp: 53301

Ion Ratio Lower Upper

101 100

85 48.1 39.0 58.6

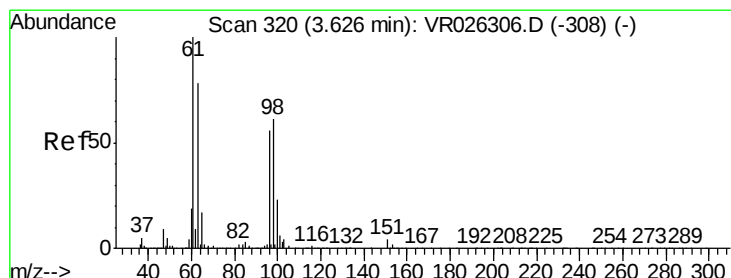
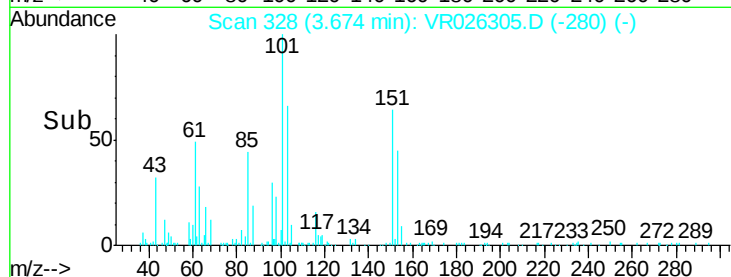
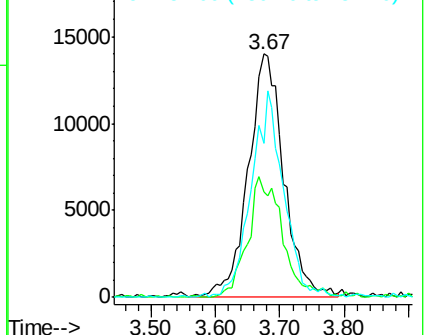
151 76.6 63.1 94.7



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: 1.093 ug/L

RT: 3.62 min Scan# 319

Delta R.T. -0.01 min

Lab File: VR026305.D

Acq: 11 Feb 2019 12:43

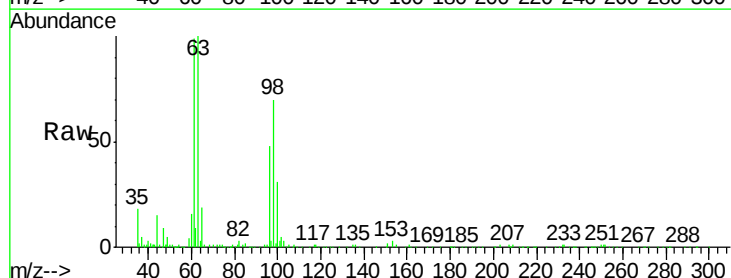
Tgt Ion: 96 Resp: 52561

Ion Ratio Lower Upper

96 100

61 206.6 126.0 234.0

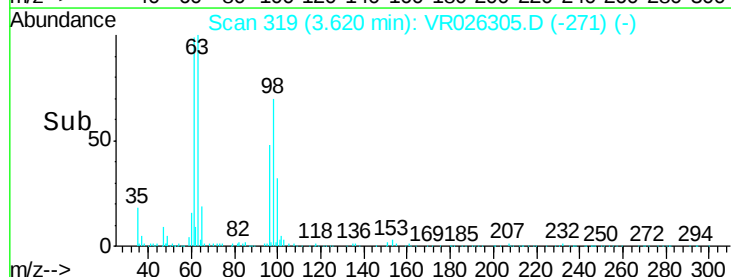
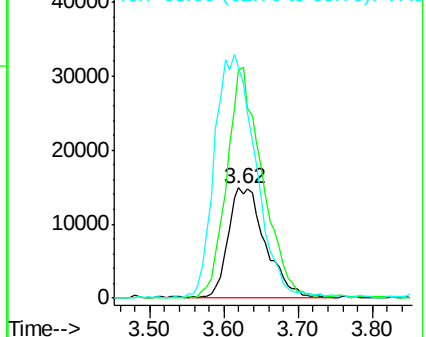
63 208.8 99.7 185.1#

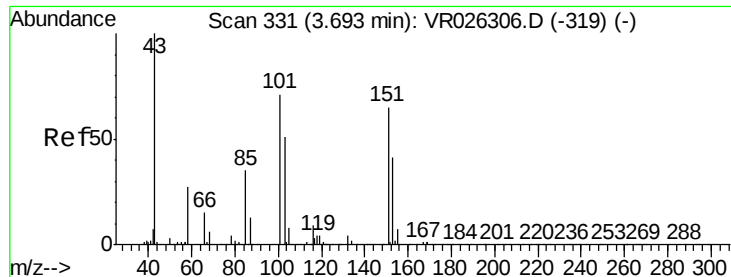


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 10.651 ug/L

RT: 3.70 min Scan# 332

Delta R.T. 0.01 min

Lab File: VR026305.D

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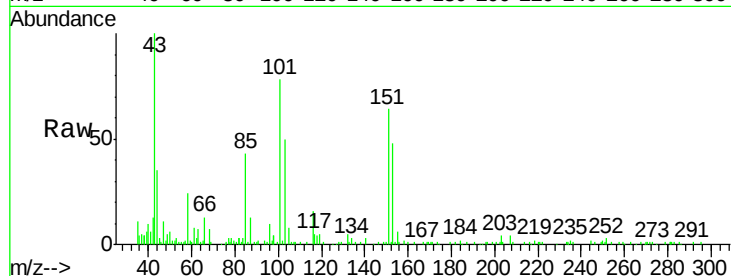
VSTD00182

Tgt Ion: 43 Resp: 32882

Ion Ratio Lower Upper

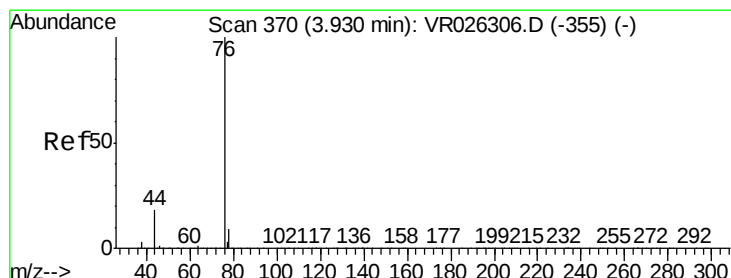
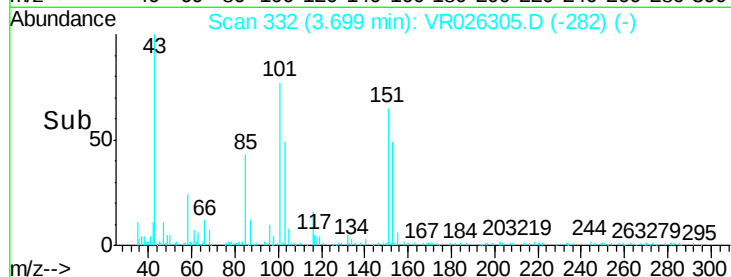
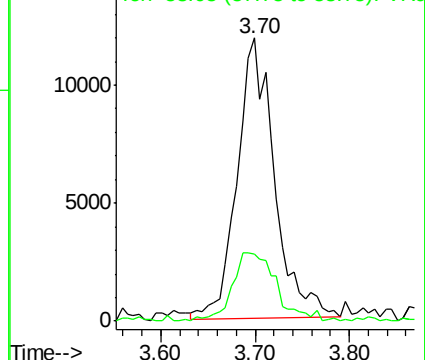
43 100

58 28.8 0.0 56.6



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#14

Carbon disulfide

Concen: 1.048 ug/L

RT: 3.93 min Scan# 370

Delta R.T. -0.00 min

Lab File: VR026305.D

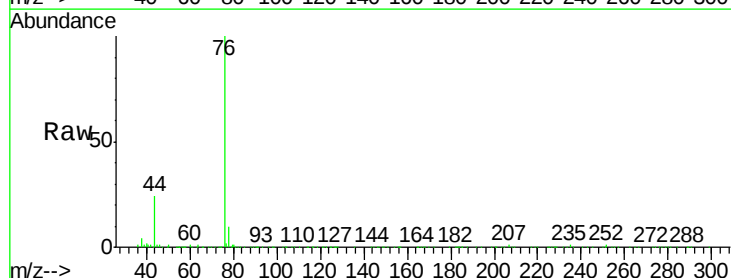
Acq: 11 Feb 2019 12:43

Tgt Ion: 76 Resp: 164902

Ion Ratio Lower Upper

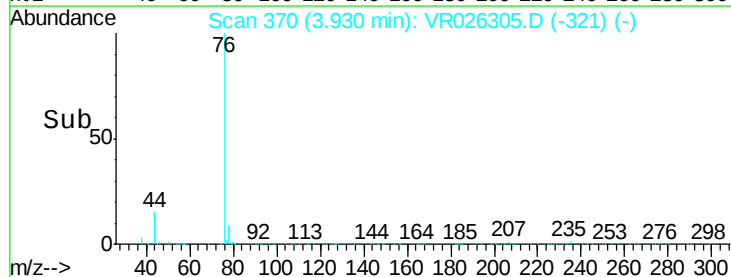
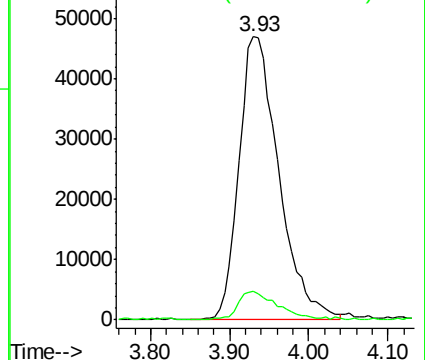
76 100

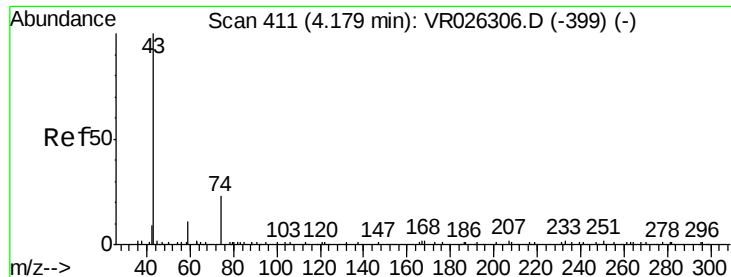
78 10.2 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

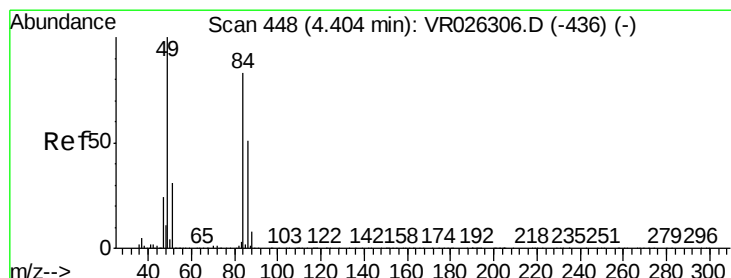
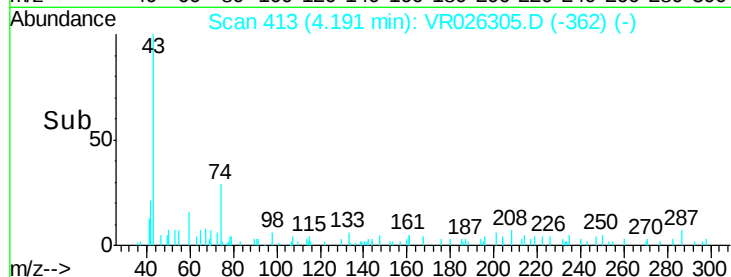
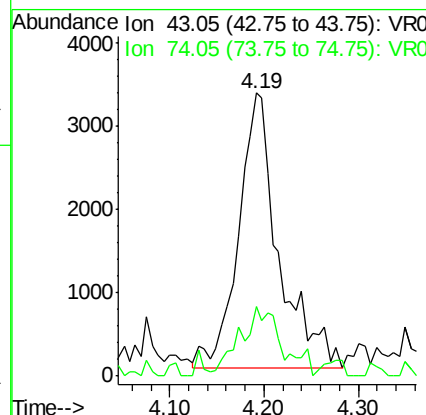
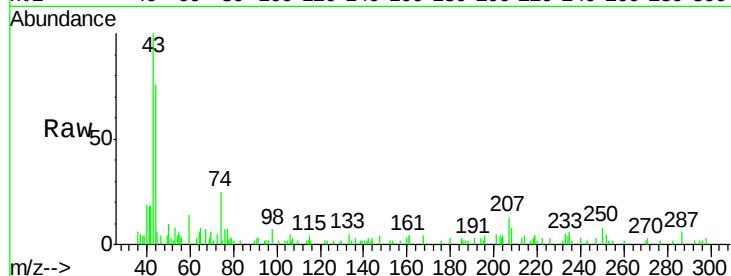




#15
Methyl Acetate
Concen: 1.149 ug/L
RT: 4.19 min Scan# 413
Delta R.T. 0.01 min
Lab File: VR026305.D
Acq: 11 Feb 2019 12:43

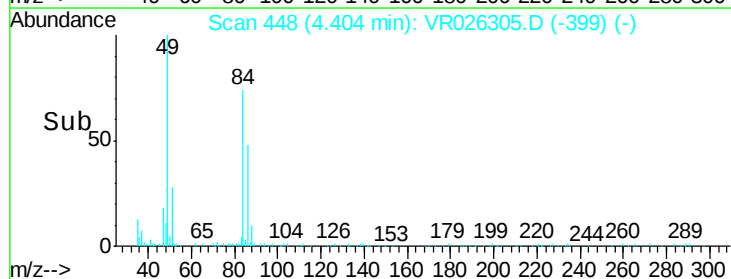
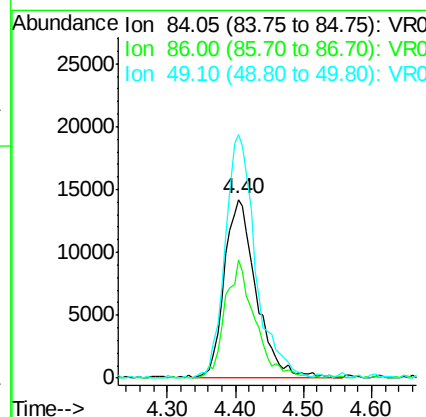
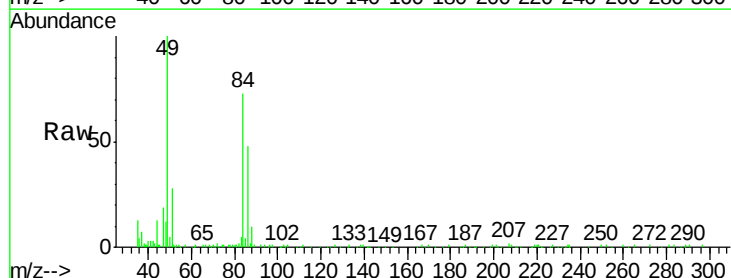
Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

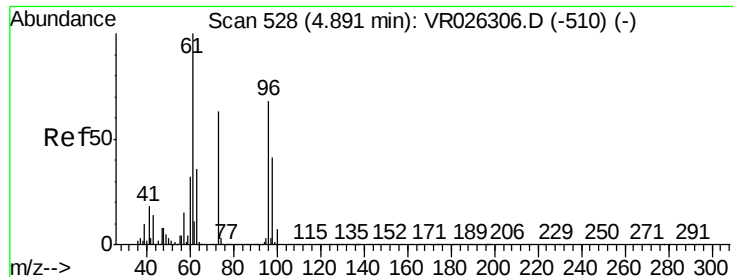
Tgt Ion: 43 Resp: 9733
Ion Ratio Lower Upper
43 100
74 22.1 18.4 27.6



#16
Methylene chloride
Concen: 1.135 ug/L
RT: 4.40 min Scan# 448
Delta R.T. -0.00 min
Lab File: VR026305.D
Acq: 11 Feb 2019 12:43

Tgt Ion: 84 Resp: 46240
Ion Ratio Lower Upper
84 100
86 66.1 42.6 79.2
49 136.4 84.2 156.4



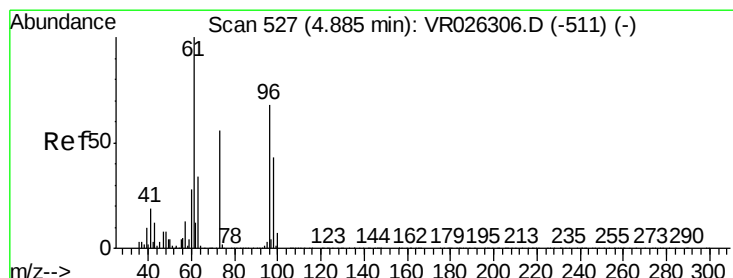
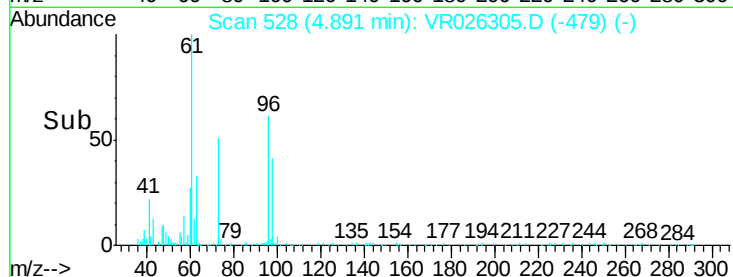
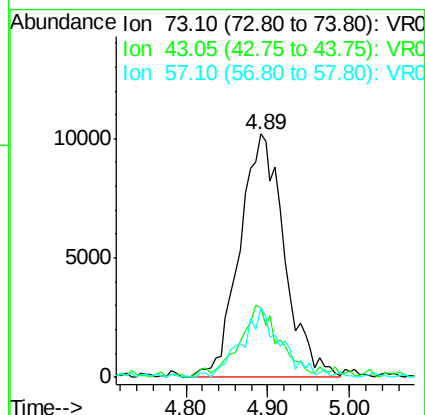
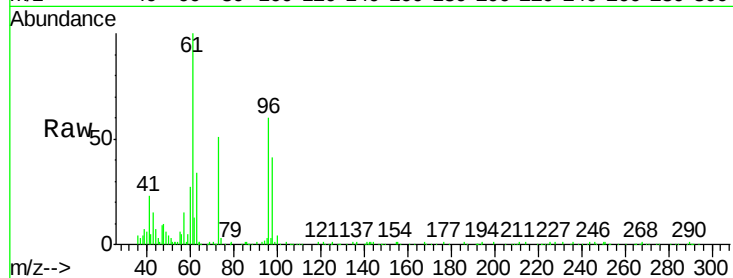


#17

Methyl tert-butyl Ether
Concen: 0.915 ug/L
RT: 4.89 min Scan# 528
Delta R.T. -0.00 min
Lab File: VR026305.D
Acq: 11 Feb 2019 12:43

Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

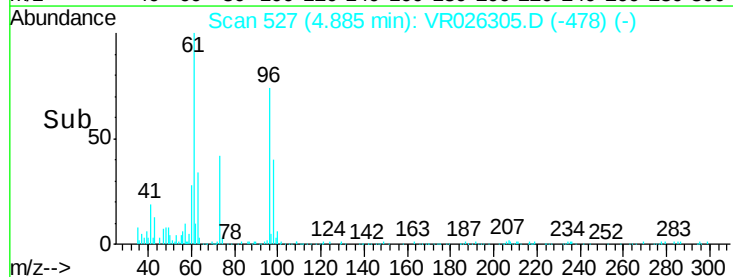
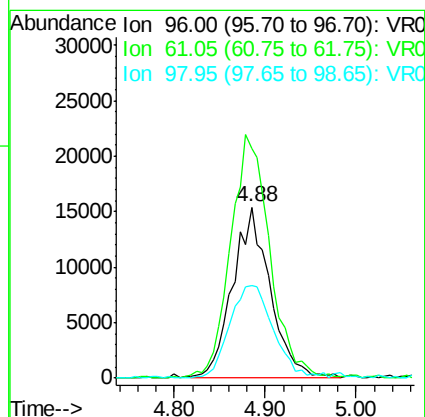
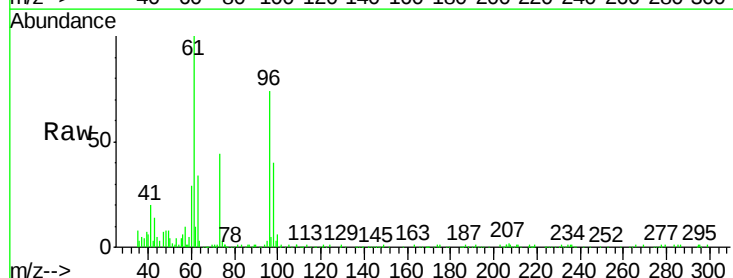
Tgt Ion:	73	Resp:	38763
Ion	Ratio	Lower	Upper
73	100		
43	22.9	17.5	26.3
57	25.0	18.6	28.0

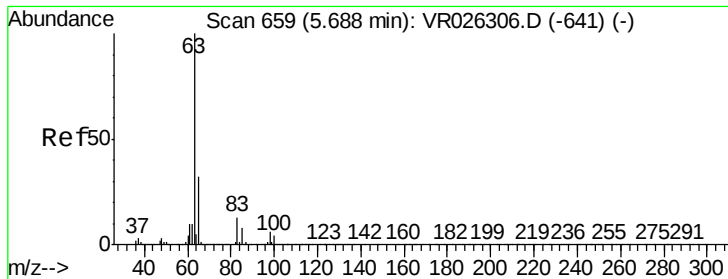


#18

trans-1,2-Dichloroethene
Concen: 0.996 ug/L
RT: 4.88 min Scan# 527
Delta R.T. -0.00 min
Lab File: VR026305.D
Acq: 11 Feb 2019 12:43

Tgt Ion:	96	Resp:	43500
Ion	Ratio	Lower	Upper
96	100		
61	134.7	102.5	190.3
98	54.1	43.9	81.5

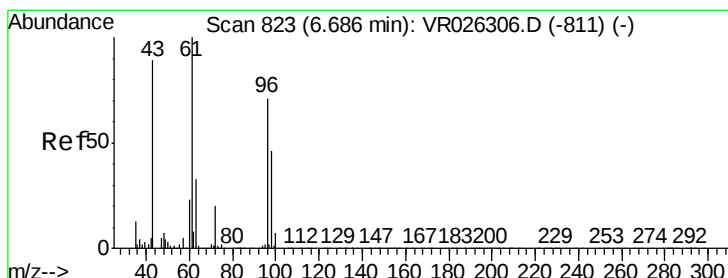
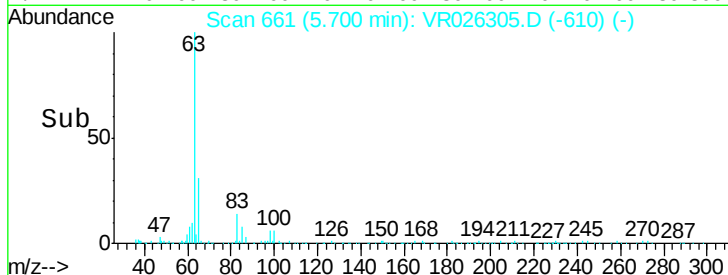
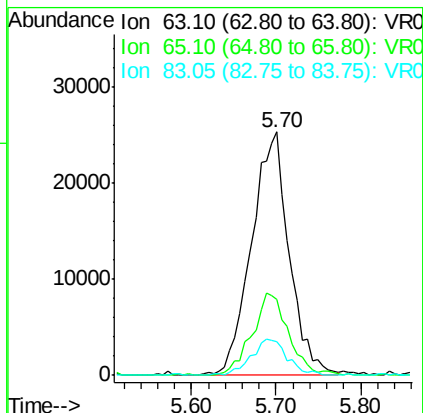
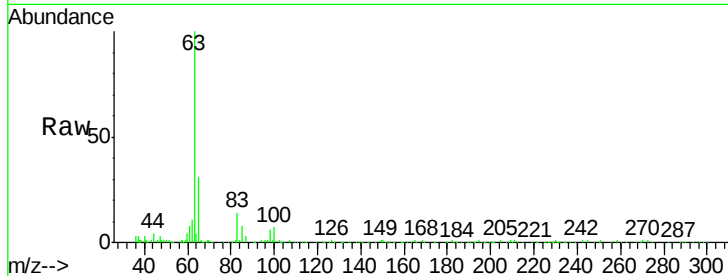




#19
 1,1-Dichloroethane
 Concen: 1.024 ug/L
 RT: 5.70 min Scan# 661
 Delta R.T. 0.01 min
 Lab File: VR026305.D
 Acq: 11 Feb 2019 12:43

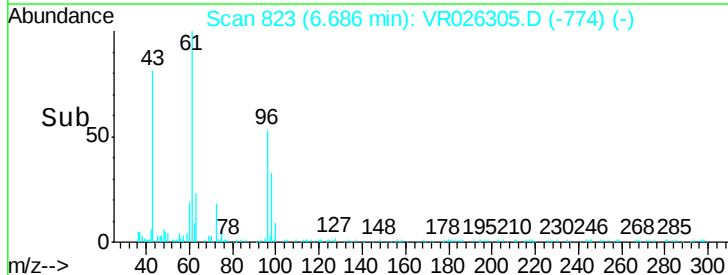
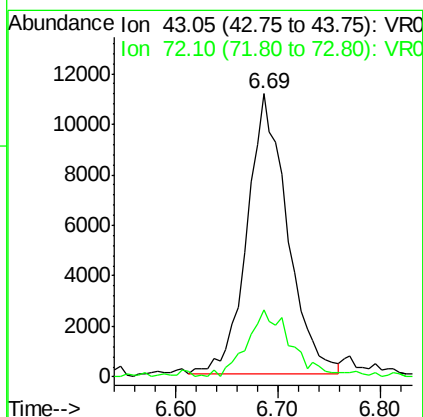
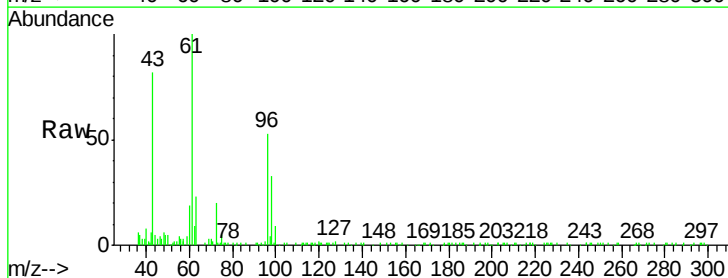
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00182

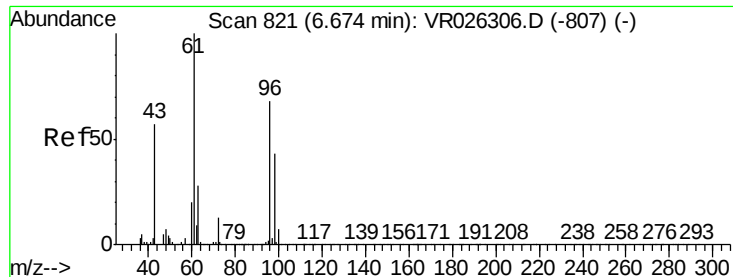
Tgt Ion: 63 Resp: 76724
 Ion Ratio Lower Upper
 63 100
 65 31.2 22.3 41.3
 83 13.9 8.9 16.5



#21
 2-Butanone
 Concen: 8.717 ug/L
 RT: 6.69 min Scan# 823
 Delta R.T. -0.00 min
 Lab File: VR026305.D
 Acq: 11 Feb 2019 12:43

Tgt Ion: 43 Resp: 30465
 Ion Ratio Lower Upper
 43 100
 72 25.7 11.7 35.1



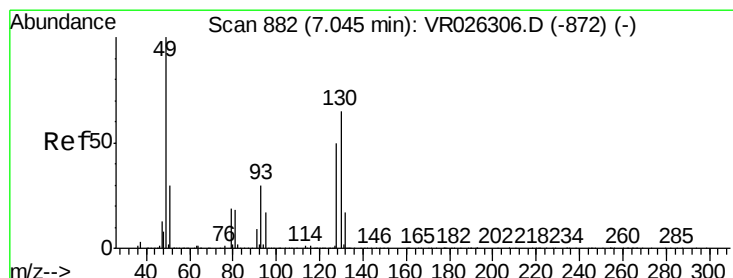
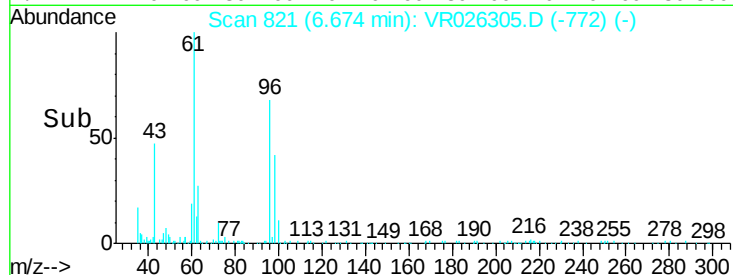
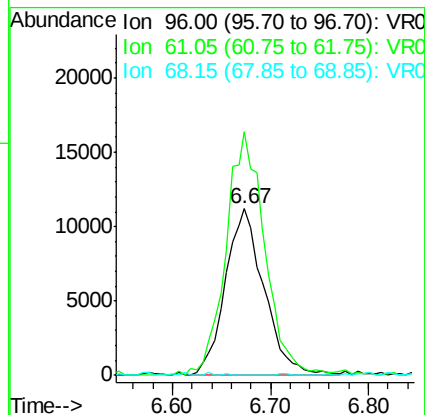
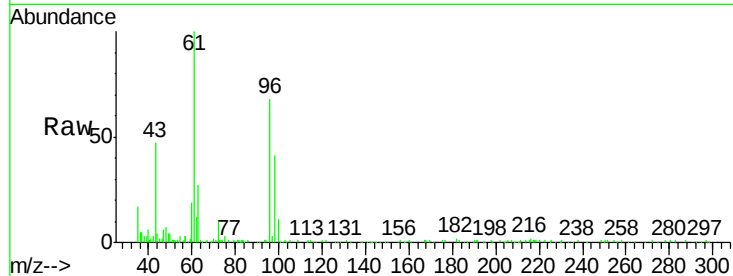


#22

cis-1,2-Dichloroethene
Concen: 0.874 ug/L
RT: 6.67 min Scan# 821
Delta R.T. -0.00 min
Lab File: VR026305.D
Acq: 11 Feb 2019 12:43

Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

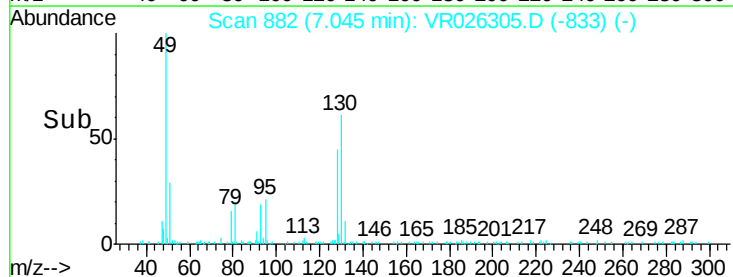
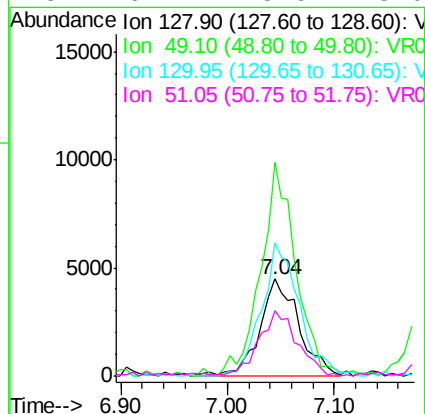
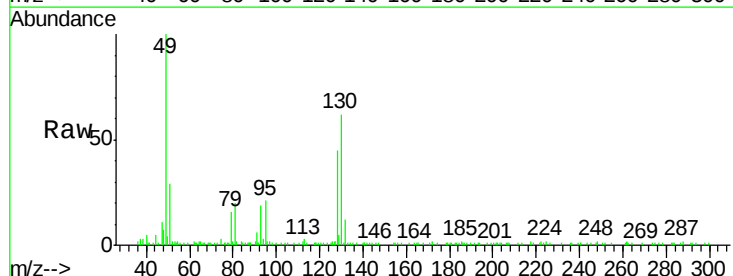
Tgt Ion: 96 Resp: 30776
Ion Ratio Lower Upper
96 100
61 146.4 103.3 191.9
68 0.0 0.1 0.3#

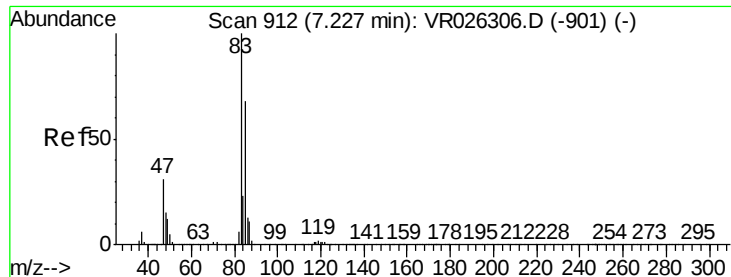


#23

Bromochloromethane
Concen: 1.048 ug/L
RT: 7.04 min Scan# 882
Delta R.T. -0.00 min
Lab File: VR026305.D
Acq: 11 Feb 2019 12:43

Tgt Ion: 128 Resp: 11511
Ion Ratio Lower Upper
128 100
49 220.2 140.6 261.2
130 137.1 91.1 169.1
51 67.1 48.6 73.0





#25

Chloroform

Concen: 1.053 ug/L

RT: 7.23 min Scan# 912

Delta R.T. -0.00 min

Lab File: VR026305.D

Acq: 11 Feb 2019 12:43

Instrument :

MSVOA_R

ClientSampleId :

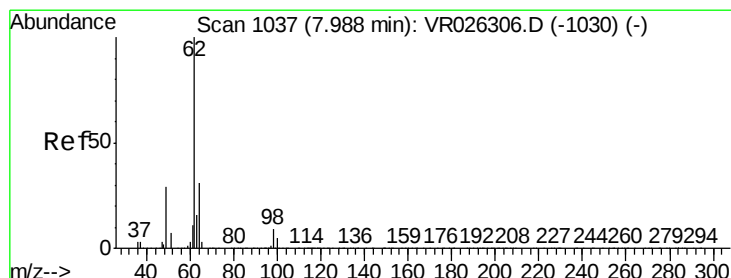
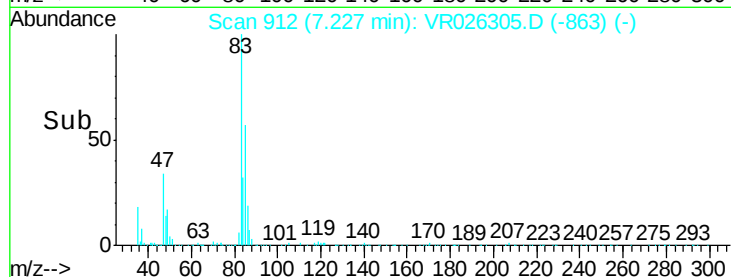
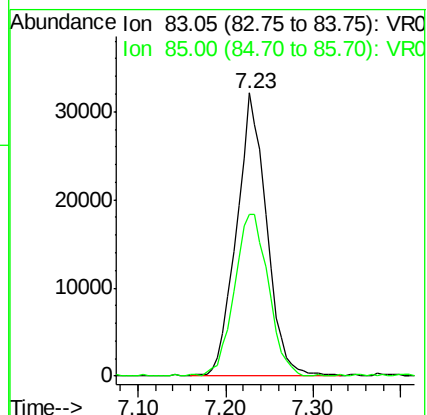
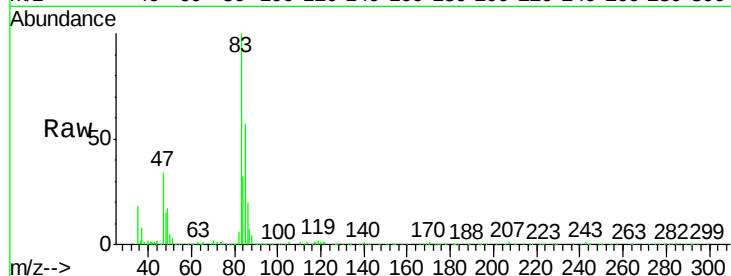
VSTD00182

Tgt Ion: 83 Resp: 76647

Ion Ratio Lower Upper

83 100

85 57.0 47.6 88.4



#27

1,2-Dichloroethane

Concen: 1.044 ug/L

RT: 7.99 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VR026305.D

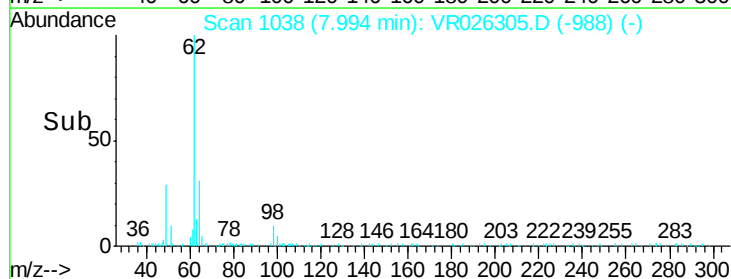
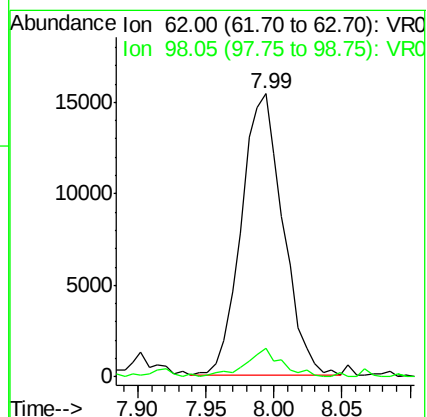
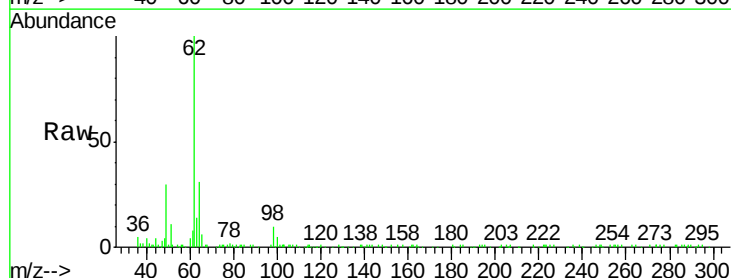
Acq: 11 Feb 2019 12:43

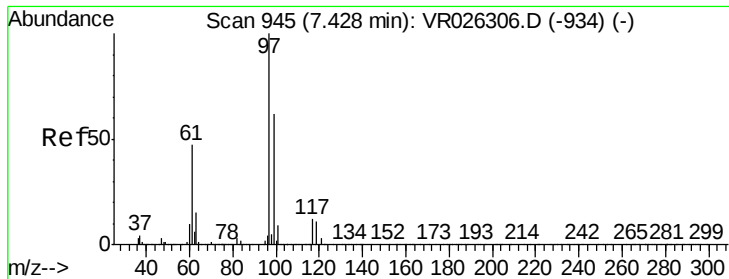
Tgt Ion: 62 Resp: 32891

Ion Ratio Lower Upper

62 100

98 10.0 7.0 10.6





#29

1,1,1-Trichloroethane

Concen: 1.051 ug/L

RT: 7.43 min Scan# 945

Delta R.T. -0.00 min

Lab File: VR026305.D

Acq: 11 Feb 2019 12:43

Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

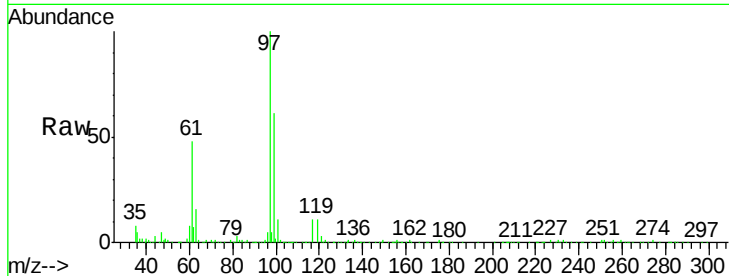
Tgt Ion: 97 Resp: 71946

Ion Ratio Lower Upper

97 100

99 63.7 52.1 78.1

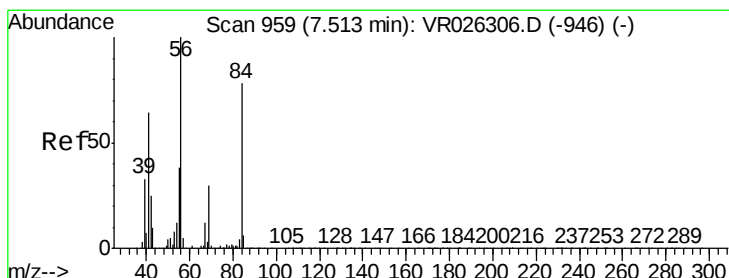
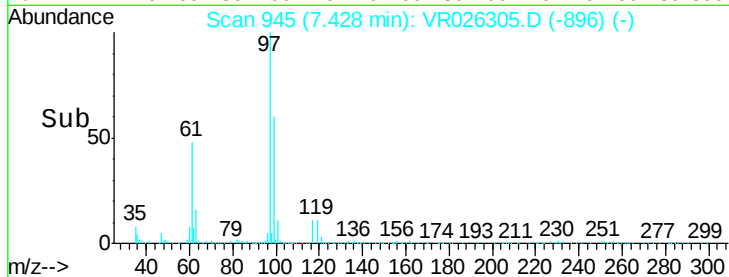
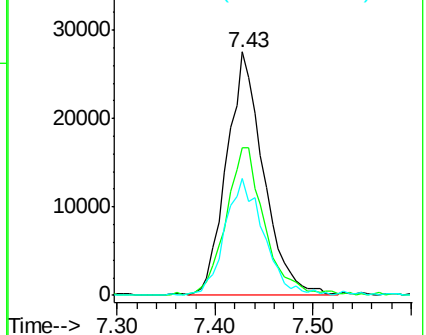
61 50.6 39.1 58.7



Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 61.05 (60.75 to 61.75): VR0



#30

Cyclohexane

Concen: 0.849 ug/L

RT: 7.52 min Scan# 960

Delta R.T. 0.01 min

Lab File: VR026305.D

Acq: 11 Feb 2019 12:43

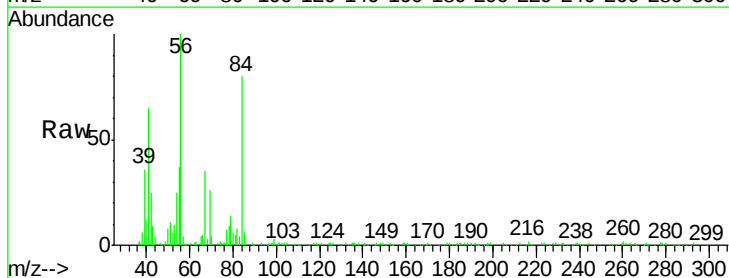
Tgt Ion: 56 Resp: 46523

Ion Ratio Lower Upper

56 100

69 32.3 23.4 35.2

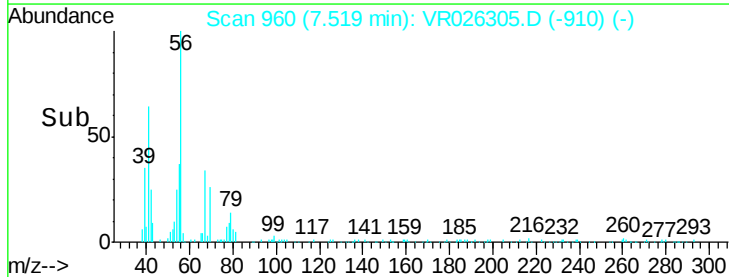
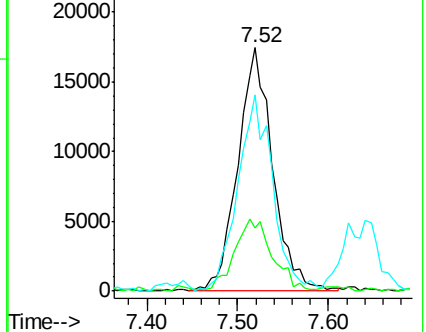
84 81.1 63.8 95.6

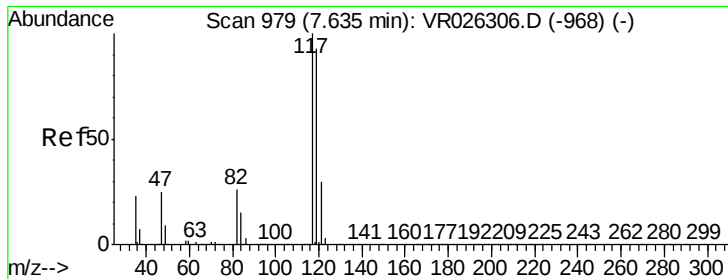


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0



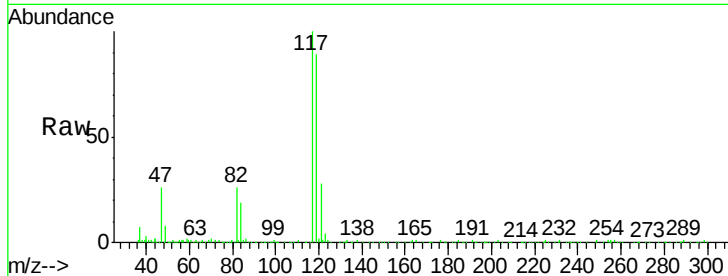


#31

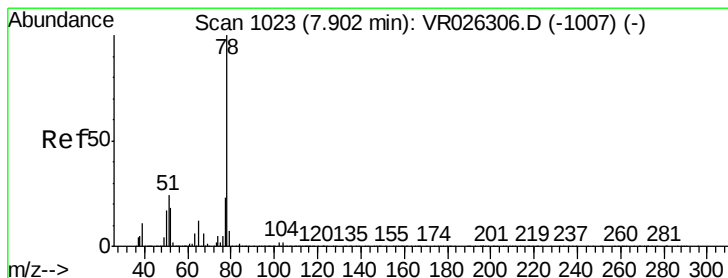
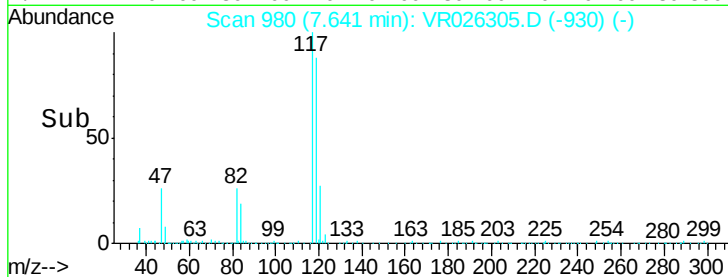
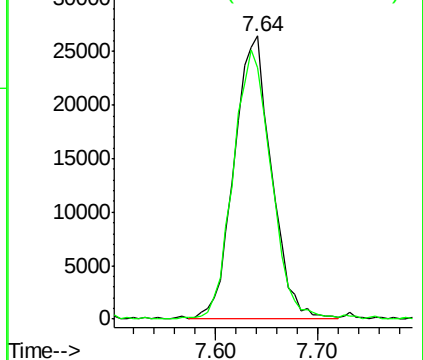
Carbon tetrachloride
Concen: 1.059 ug/L
RT: 7.64 min Scan# 980
Delta R.T. 0.01 min
Lab File: VR026305.D
Acq: 11 Feb 2019 12:43

Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

Tgt Ion:117 Resp: 67230
Ion Ratio Lower Upper
117 100
119 96.8 75.5 113.3



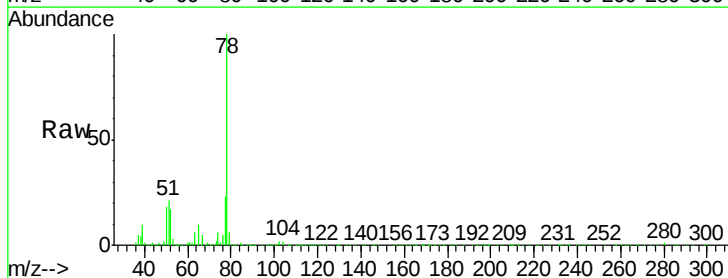
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V



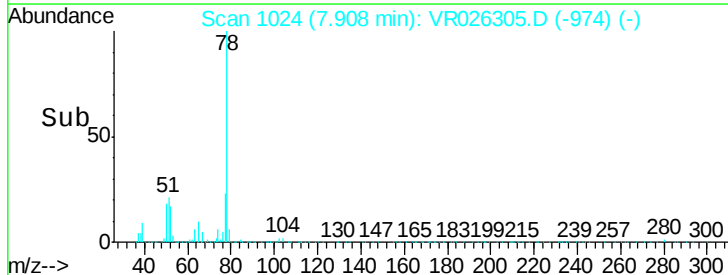
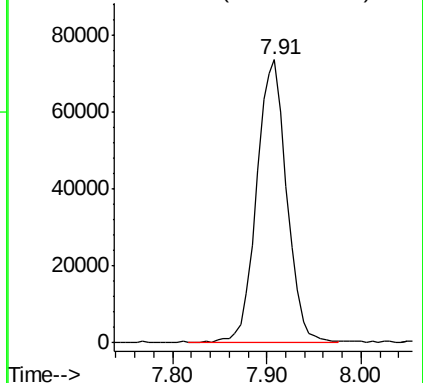
#33

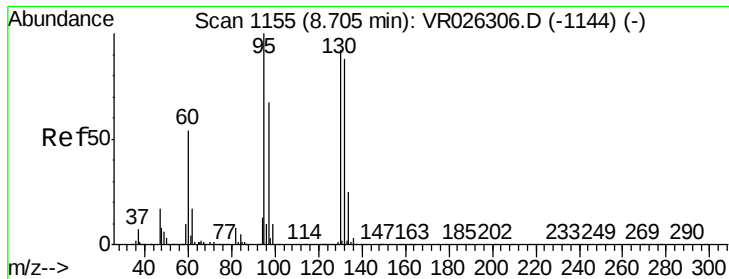
Benzene
Concen: 1.003 ug/L
RT: 7.91 min Scan# 1024
Delta R.T. 0.01 min
Lab File: VR026305.D
Acq: 11 Feb 2019 12:43

Tgt Ion: 78 Resp: 165114



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 0.992 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.01 min

Lab File: VR026305.D

Acq: 11 Feb 2019 12:43

Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

Tgt Ion: 95 Resp: 42109

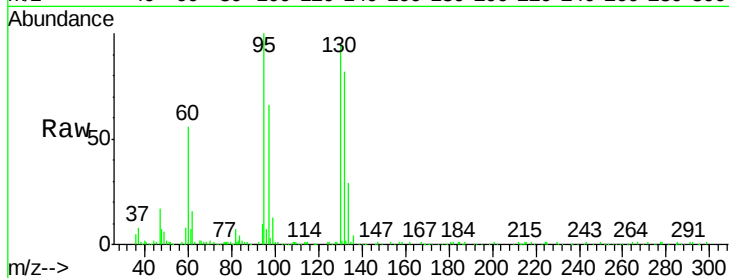
Ion Ratio Lower Upper

95 100

97 66.3 46.6 86.6

132 81.8 61.9 114.9

130 94.5 64.3 119.5

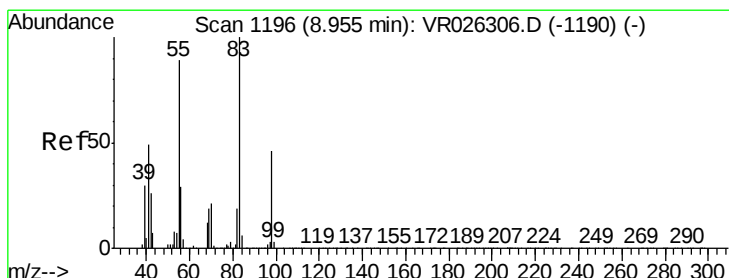
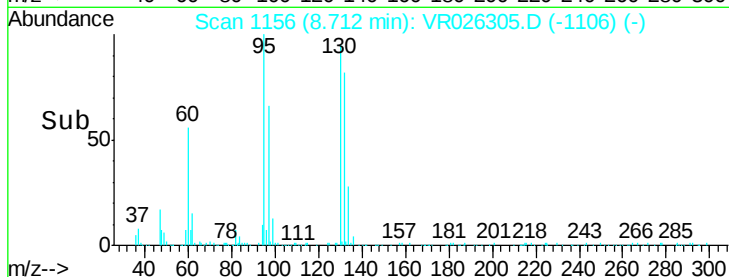
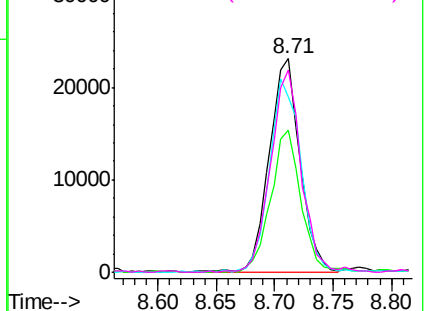


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 0.880 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. -0.00 min

Lab File: VR026305.D

Acq: 11 Feb 2019 12:43

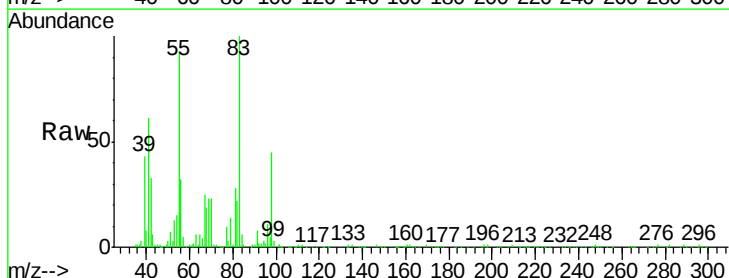
Tgt Ion: 83 Resp: 51923

Ion Ratio Lower Upper

83 100

55 93.4 68.8 103.2

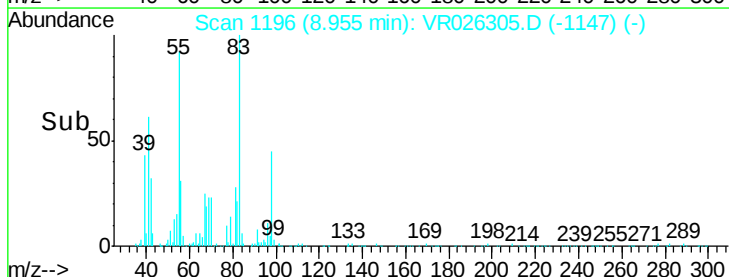
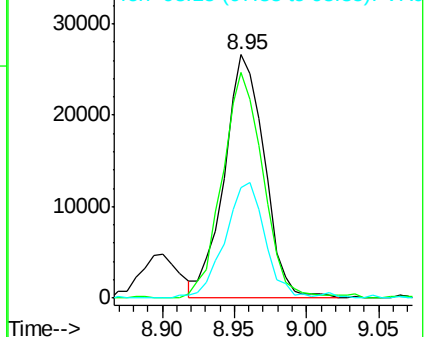
98 47.3 36.3 54.5

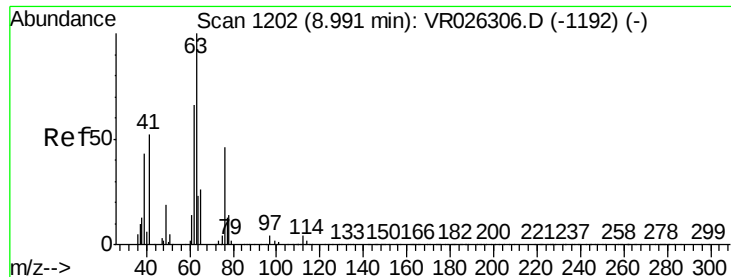


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

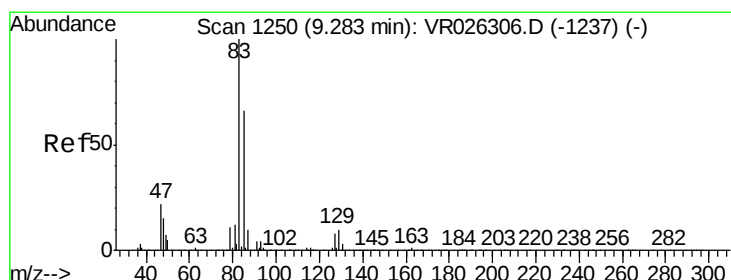
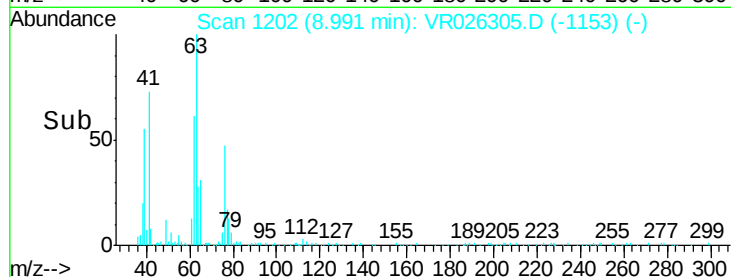
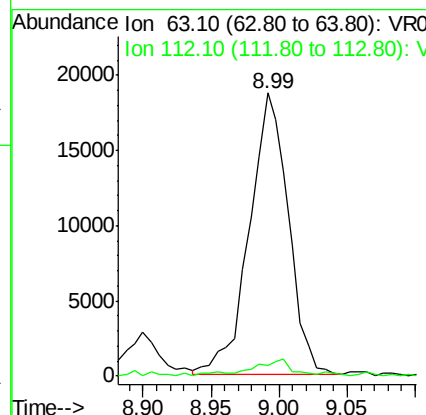
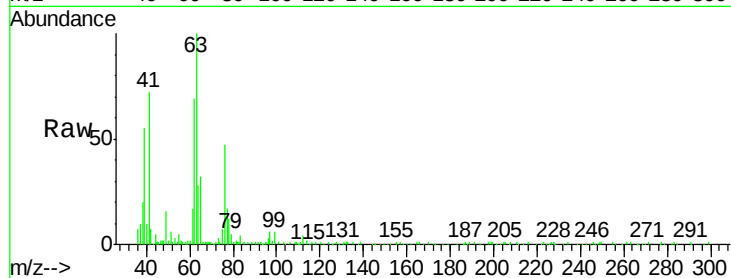




#37
 1,2-Dichloropropane
 Concen: 1.058 ug/L
 RT: 8.99 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VR026305.D
 Acq: 11 Feb 2019 12:43

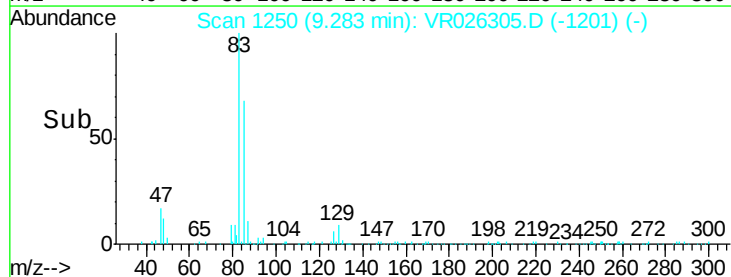
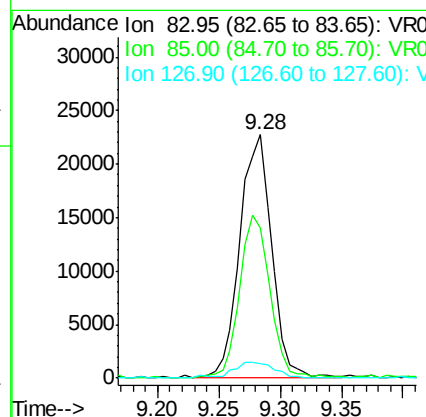
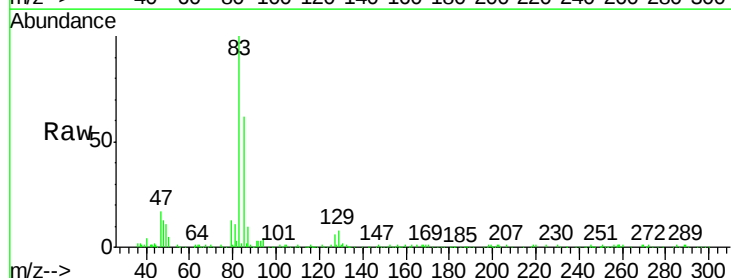
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00182

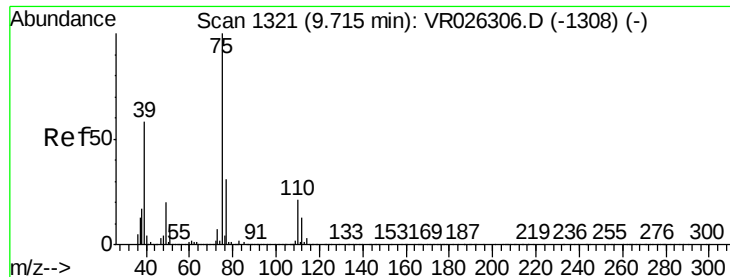
Tgt Ion: 63 Resp: 37584
 Ion Ratio Lower Upper
 63 100
 112 6.3 3.3 4.9#



#38
 Bromodichloromethane
 Concen: 1.039 ug/L
 RT: 9.28 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VR026305.D
 Acq: 11 Feb 2019 12:43

Tgt Ion: 83 Resp: 41176
 Ion Ratio Lower Upper
 83 100
 85 61.7 46.3 85.9
 127 6.1 6.2 9.4#

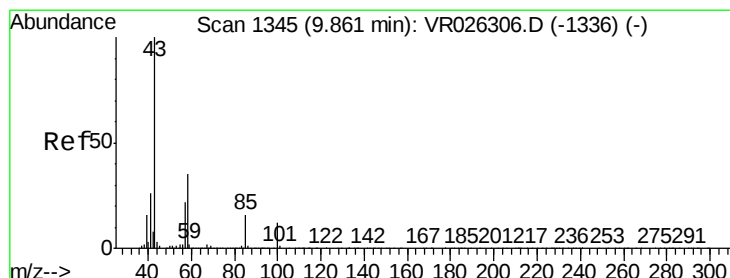
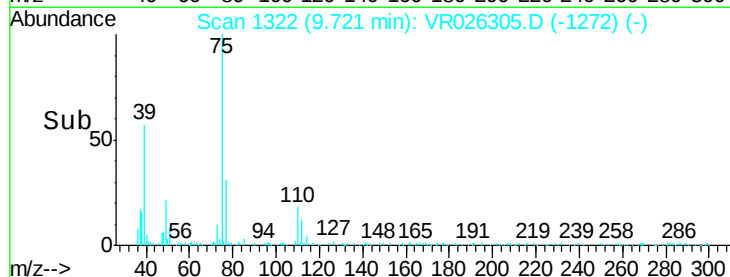
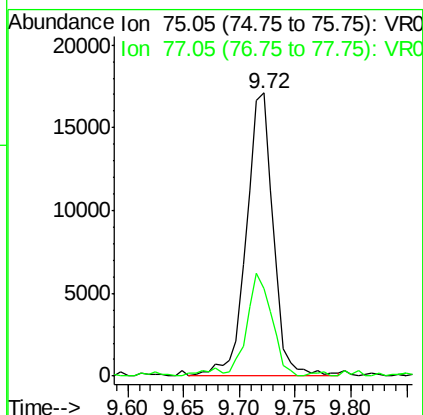
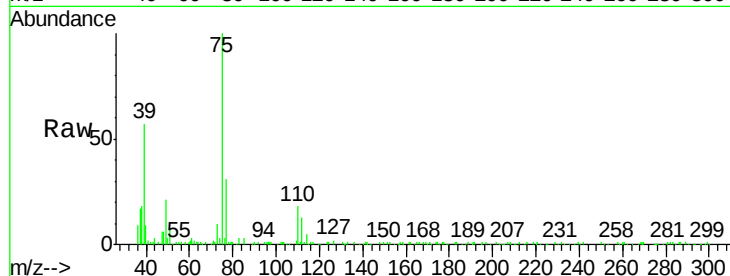




#39
 cis-1,3-Dichloropropene
 Concen: 0.784 ug/L
 RT: 9.72 min Scan# 1322
 Delta R.T. 0.01 min
 Lab File: VR026305.D
 Acq: 11 Feb 2019 12:43

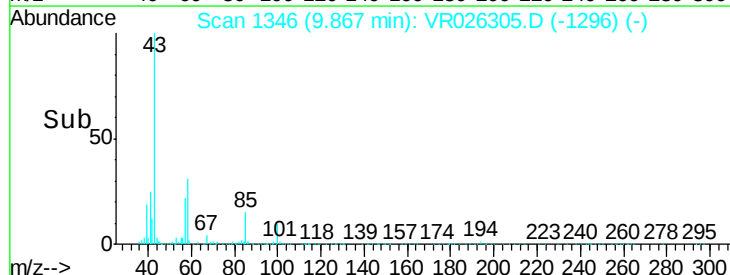
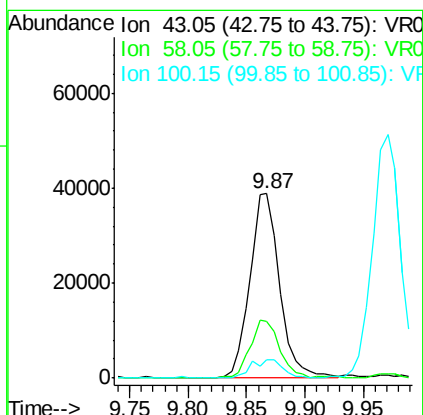
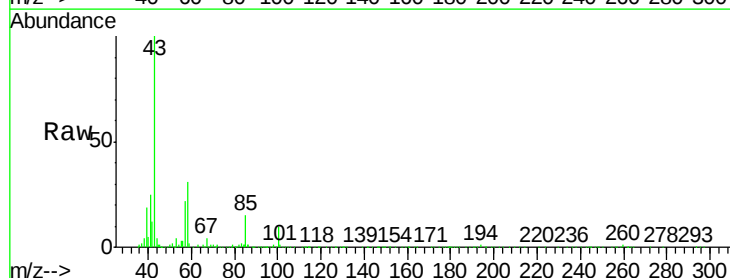
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00182

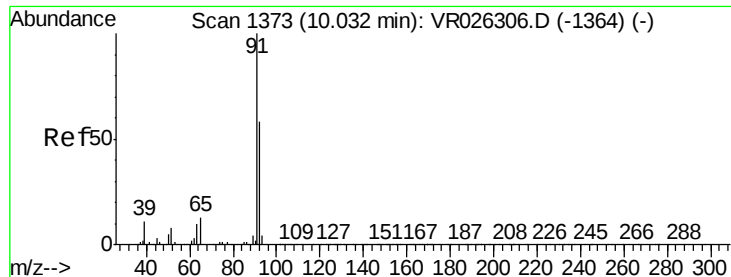
Tgt Ion: 75 Resp: 28668
 Ion Ratio Lower Upper
 75 100
 77 31.1 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 8.446 ug/L
 RT: 9.87 min Scan# 1346
 Delta R.T. 0.01 min
 Lab File: VR026305.D
 Acq: 11 Feb 2019 12:43

Tgt Ion: 43 Resp: 69189
 Ion Ratio Lower Upper
 43 100
 58 31.9 28.7 43.1
 100 10.5 9.8 14.6





#42

Toluene

Concen: 0.974 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. -0.00 min

Lab File: VR026305.D

Acq: 11 Feb 2019 12:43

Instrument :

MSVOA_R

ClientSampleId :

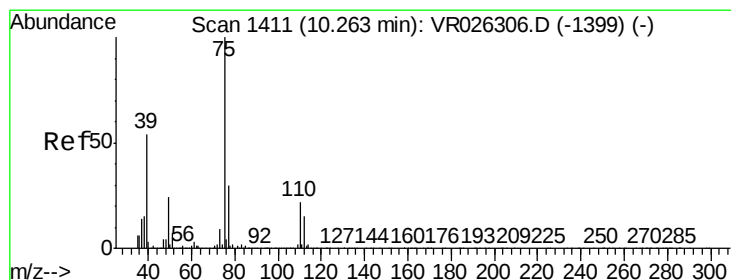
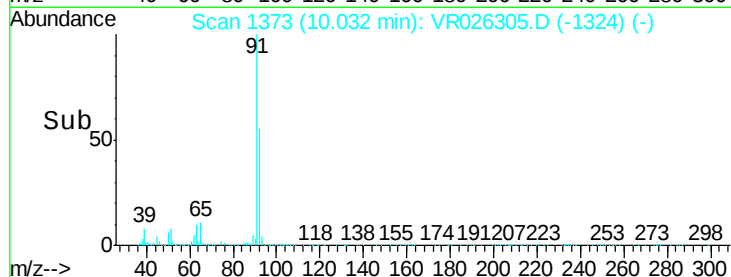
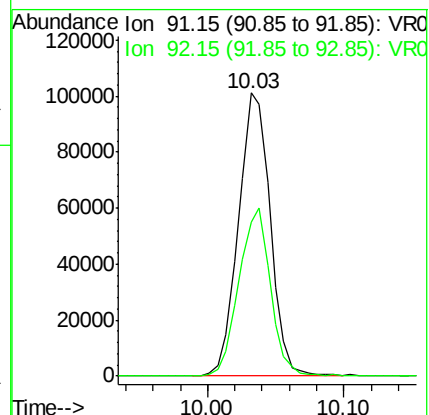
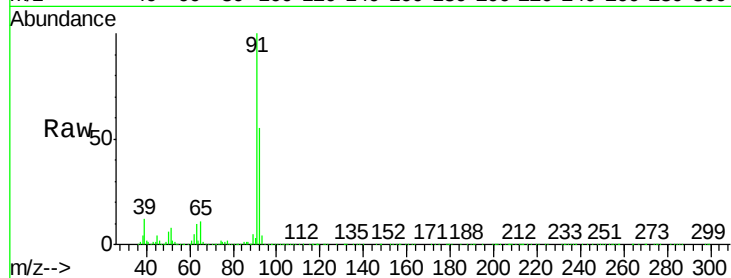
VSTD00182

Tgt Ion: 91 Resp: 164765

Ion Ratio Lower Upper

91 100

92 54.7 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 0.908 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR026305.D

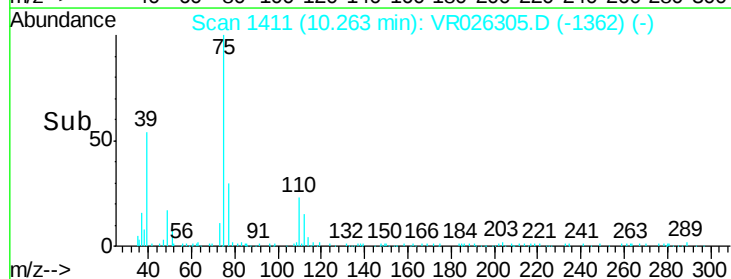
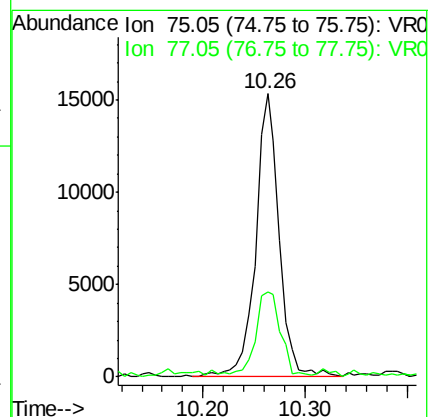
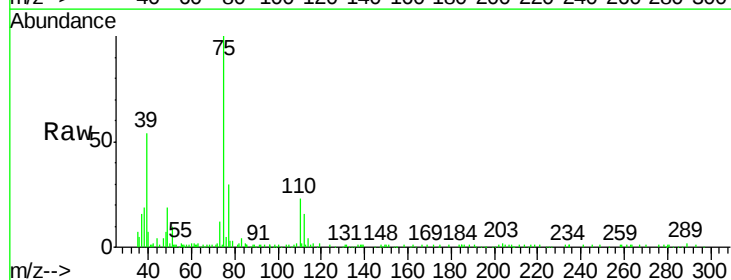
Acq: 11 Feb 2019 12:43

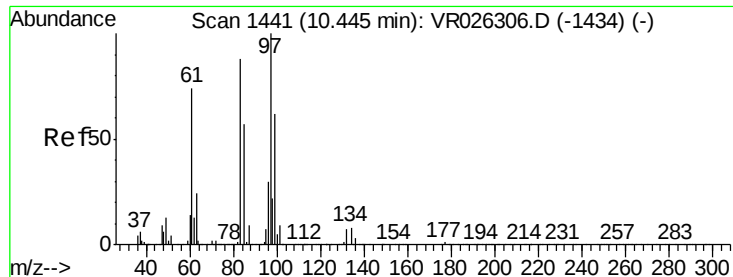
Tgt Ion: 75 Resp: 24645

Ion Ratio Lower Upper

75 100

77 29.9 21.6 40.2

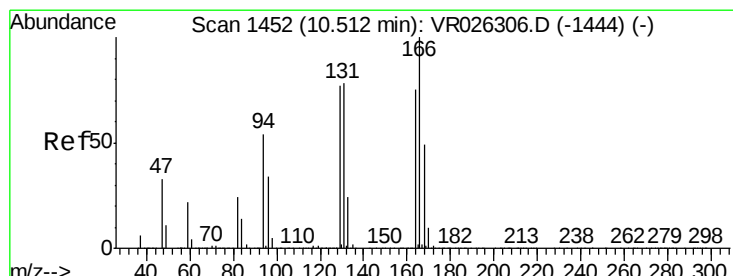
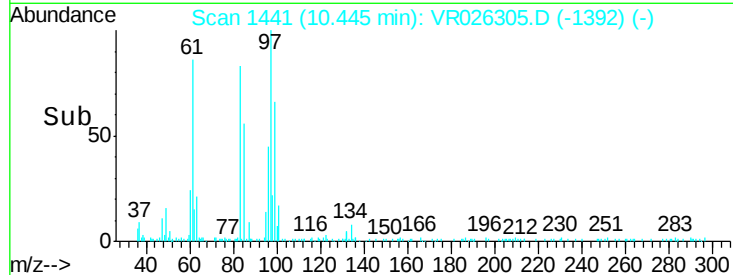
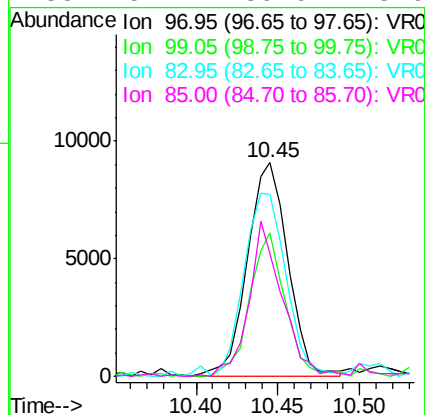
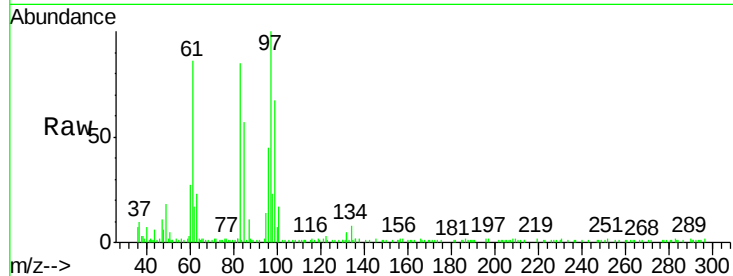




#45
 1,1,2-Trichloroethane
 Concen: 1.057 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VR026305.D
 Acq: 11 Feb 2019 12:43

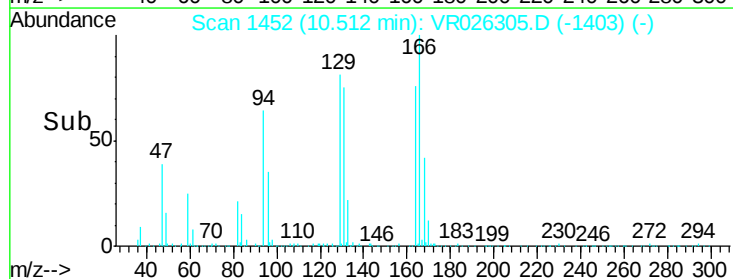
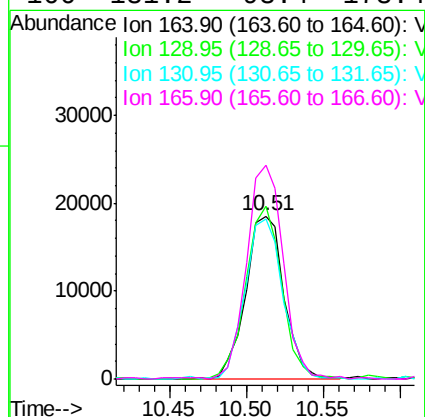
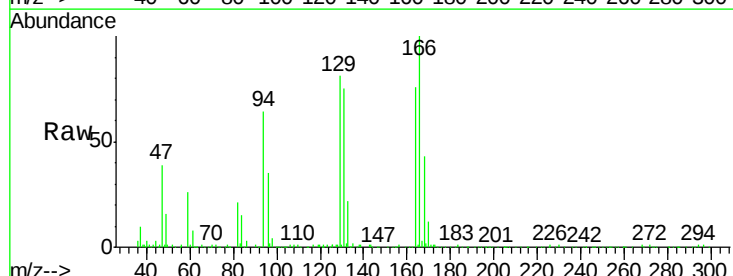
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00182

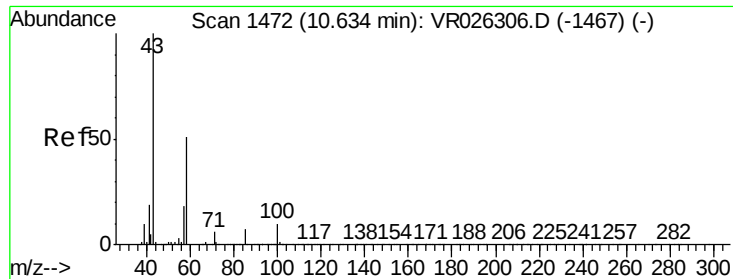
Tgt Ion:	97	Resp:	15687
Ion	Ratio	Lower	Upper
97	100		
99	66.9	43.0	80.0
83	85.2	61.5	114.3
85	57.4	39.6	73.6



#47
 Tetrachloroethene
 Concen: 0.983 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: VR026305.D
 Acq: 11 Feb 2019 12:43

Tgt Ion:	164	Resp:	32026
Ion	Ratio	Lower	Upper
164	100		
129	106.3	71.5	132.9
131	98.5	72.8	135.2
166	131.2	93.4	173.4

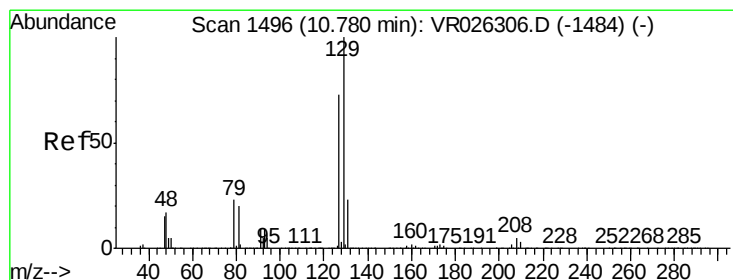
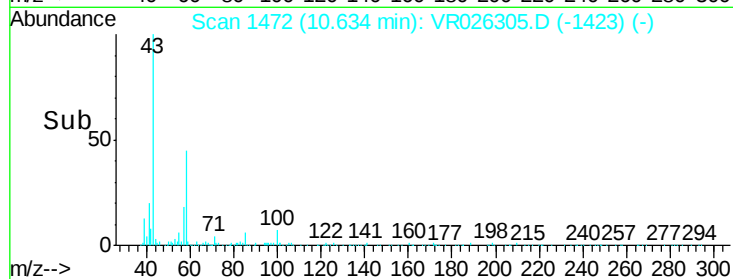
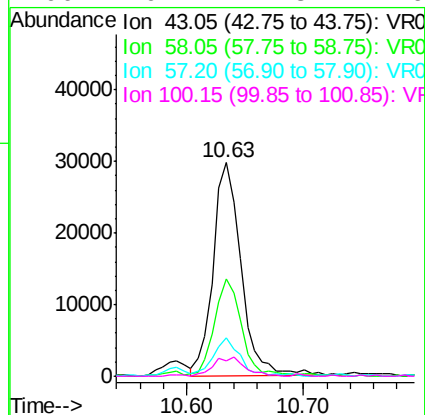
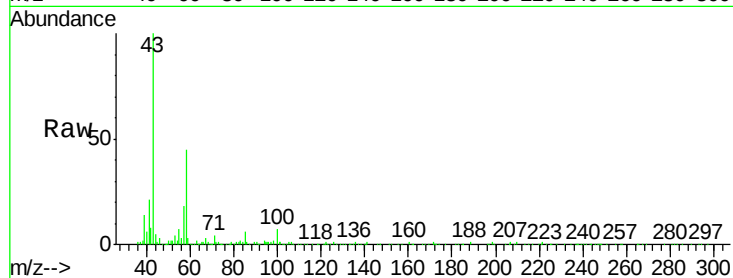




#48
2-Hexanone
Concen: 8.880 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR026305.D
Acq: 11 Feb 2019 12:43

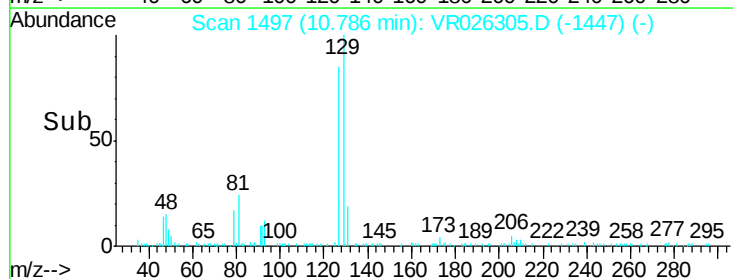
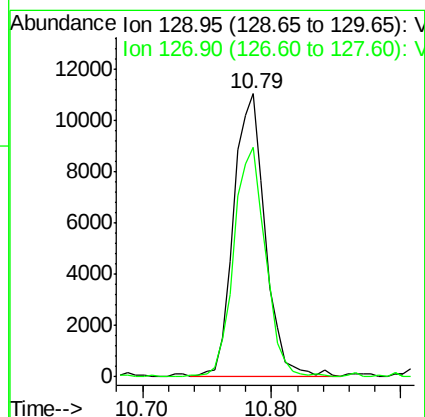
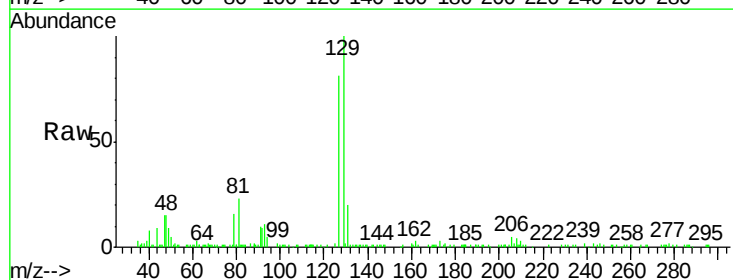
Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

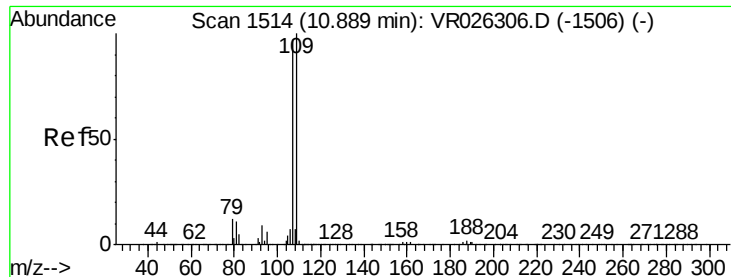
Tgt Ion:	43	Resp:	48916
Ion	Ratio	Lower	Upper
43	100		
58	44.5	41.2	61.8
57	17.3	13.8	20.8
100	10.1	7.8	11.6



#49
Dibromochloromethane
Concen: 0.991 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.01 min
Lab File: VR026305.D
Acq: 11 Feb 2019 12:43

Tgt Ion:	129	Resp:	18898
Ion	Ratio	Lower	Upper
129	100		
127	81.1	51.4	95.5

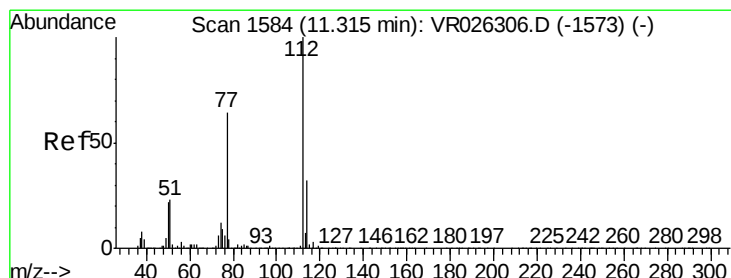
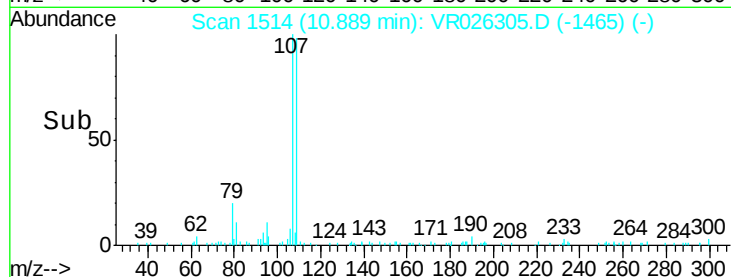
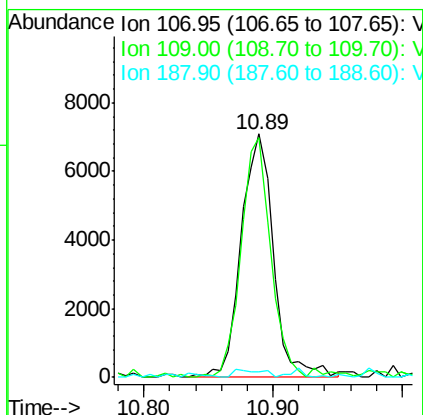
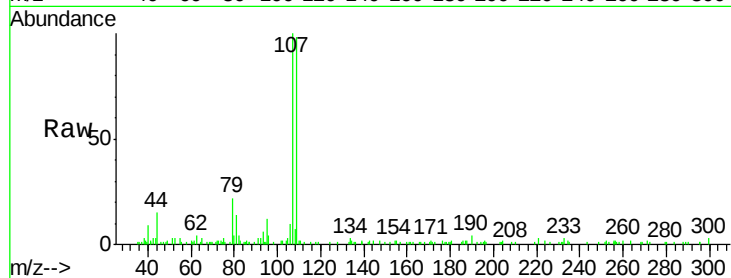




#50
1,2-Dibromoethane
Concen: 1.036 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VR026305.D
Acq: 11 Feb 2019 12:43

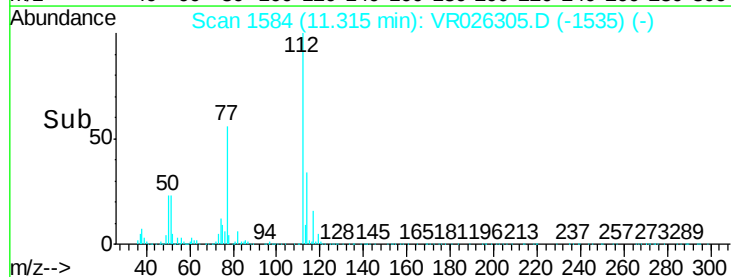
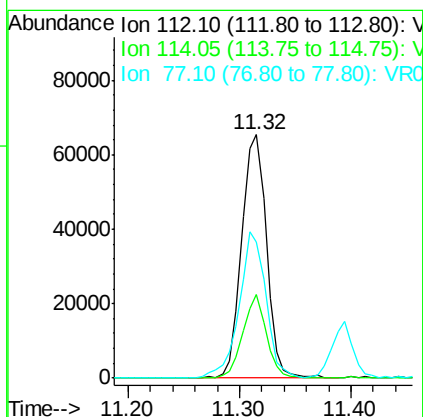
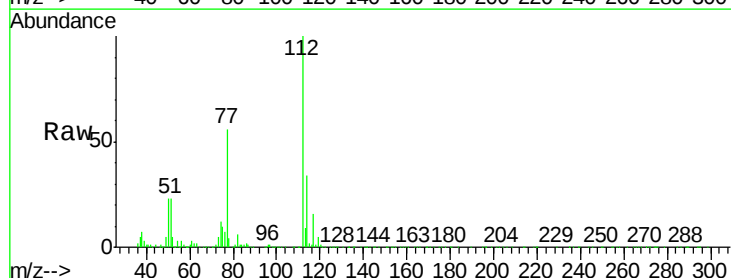
Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

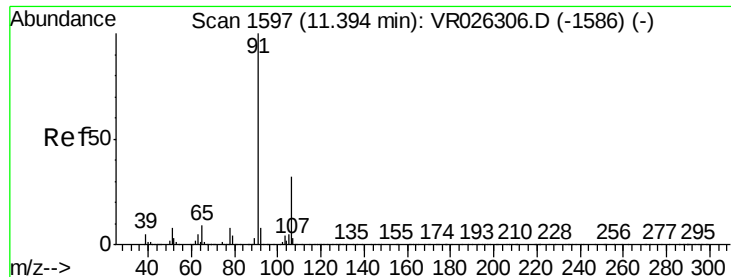
Tgt Ion:107 Resp: 12229
Ion Ratio Lower Upper
107 100
109 98.3 72.7 135.1
188 2.3 1.9 2.9



#51
Chlorobenzene
Concen: 1.051 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VR026305.D
Acq: 11 Feb 2019 12:43

Tgt Ion:112 Resp: 101674
Ion Ratio Lower Upper
112 100
114 34.4 22.5 41.9
77 55.9 51.3 76.9





#52

Ethylbenzene

Concen: 0.931 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR026305.D

Acq: 11 Feb 2019 12:43

Instrument :

MSVOA_R

ClientSampleId :

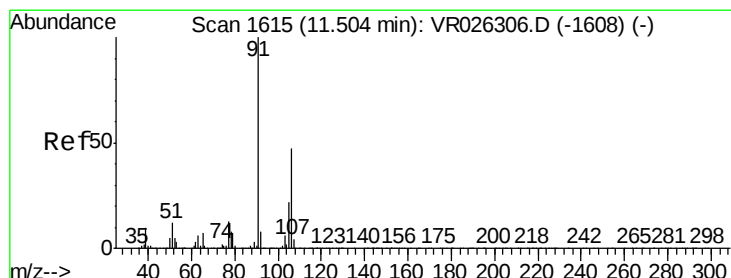
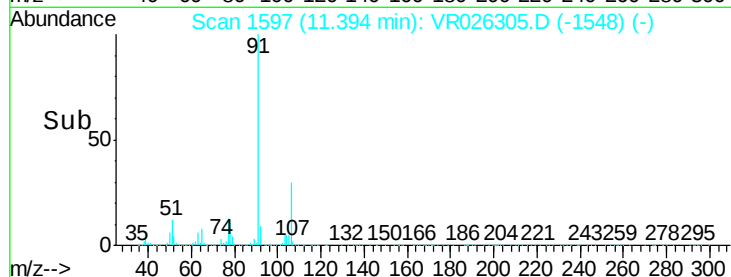
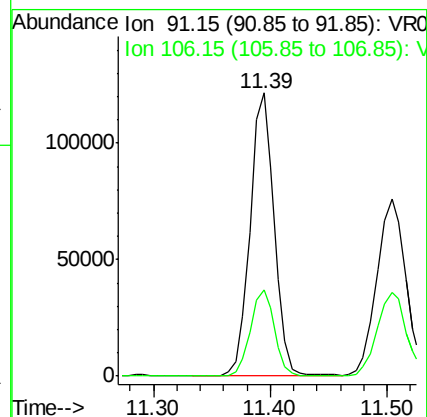
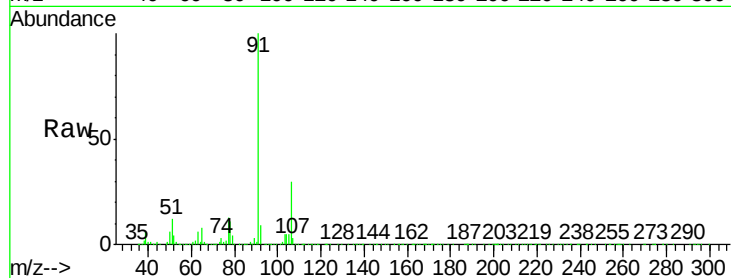
VSTD00182

Tgt Ion: 91 Resp: 176129

Ion Ratio Lower Upper

91 100

106 30.4 22.3 41.3



#53

m,p-Xylene

Concen: 0.899 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR026305.D

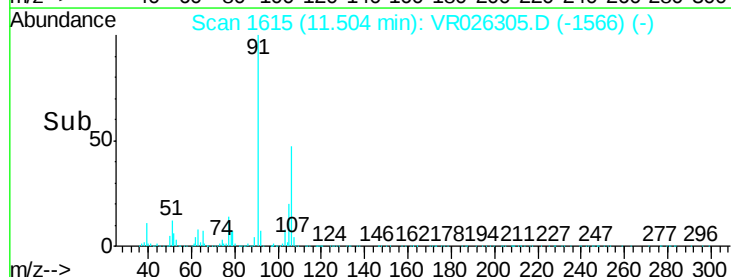
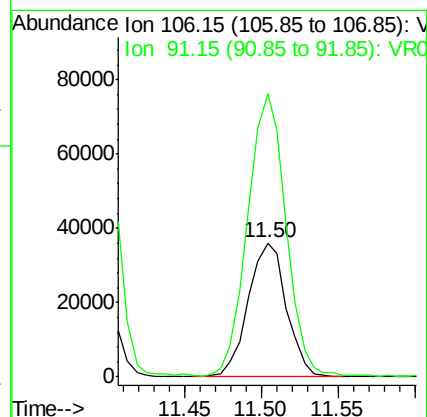
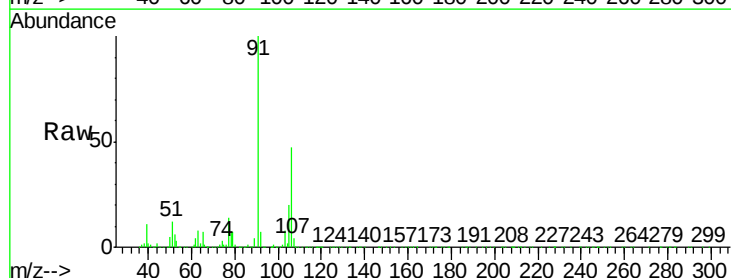
Acq: 11 Feb 2019 12:43

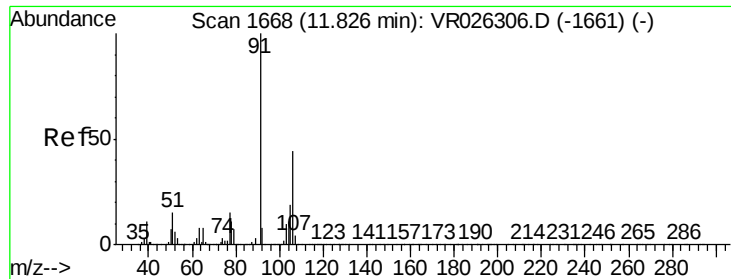
Tgt Ion: 106 Resp: 62147

Ion Ratio Lower Upper

106 100

91 210.8 148.2 275.2





#54

o-Xylene

Concen: 0.808 ug/L

RT: 11.83 min Scan# 1669

Delta R.T. 0.01 min

Lab File: VR026305.D

Acq: 11 Feb 2019 12:43

Instrument :

MSVOA_R

ClientSampleId :

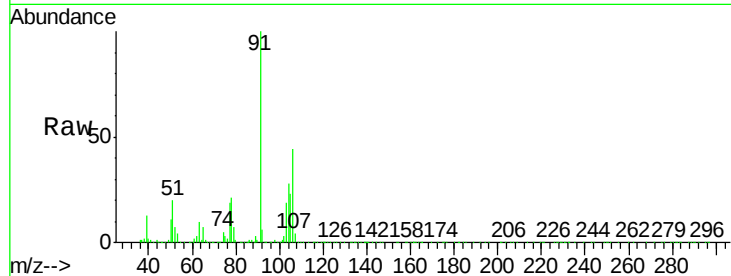
VSTD00182

Tgt Ion:106 Resp: 48171

Ion Ratio Lower Upper

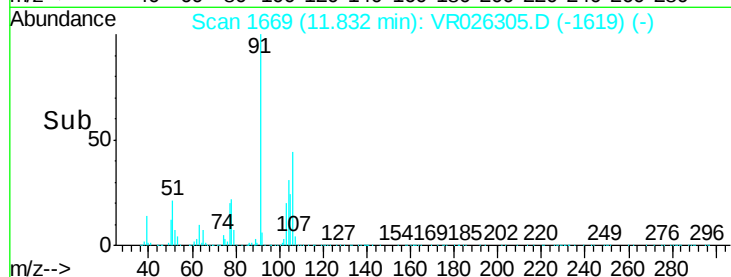
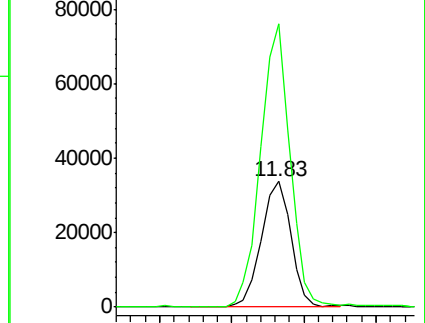
106 100

91 225.1 159.8 296.8

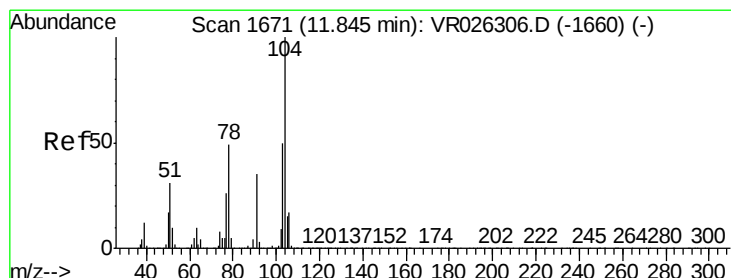


Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0



Time-->



#55

Styrene

Concen: 0.892 ug/L

RT: 11.84 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VR026305.D

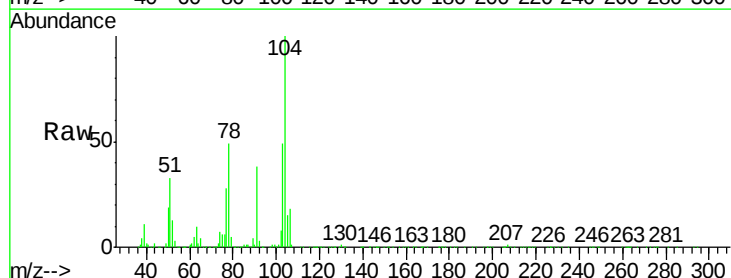
Acq: 11 Feb 2019 12:43

Tgt Ion:104 Resp: 83480

Ion Ratio Lower Upper

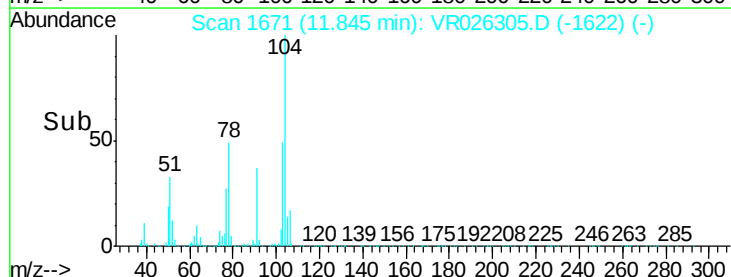
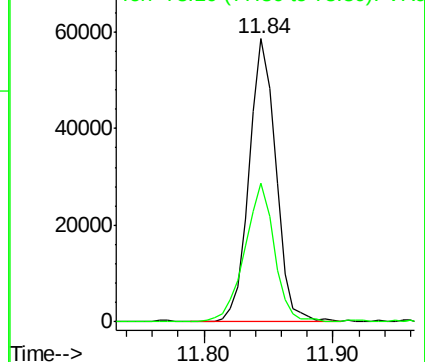
104 100

78 48.9 34.5 64.1

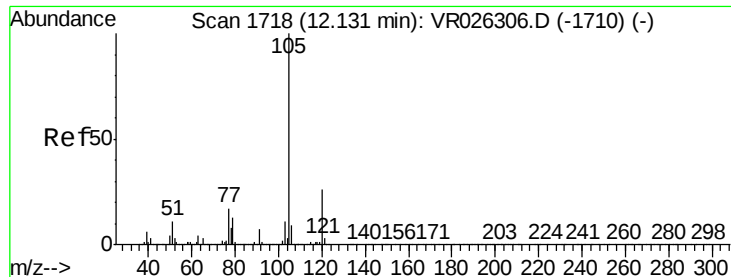


Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VR0



Time-->



#56

Isopropylbenzene

Concen: 0.850 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR026305.D

Acq: 11 Feb 2019 12:43

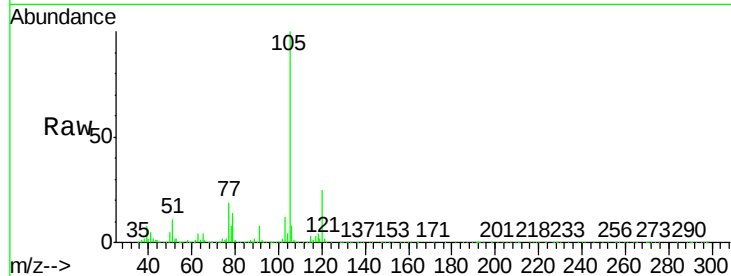
Instrument :

MSVOA_R

ClientSampled :

VSTD00182

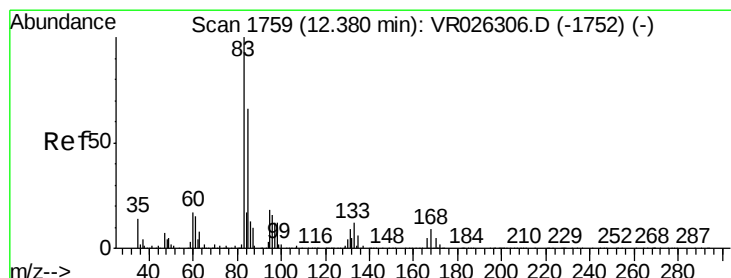
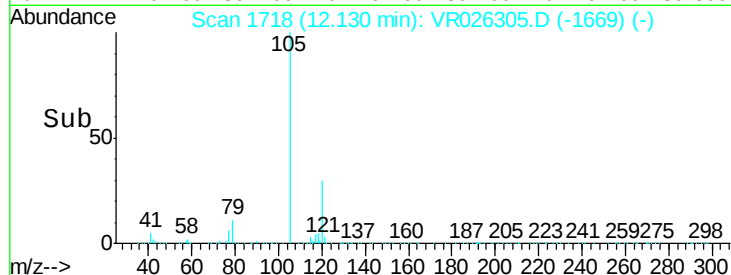
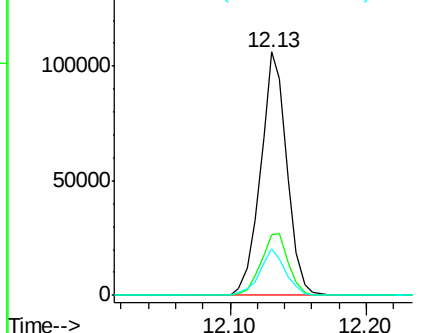
Tgt Ion:	105	Resp:	143965
Ion Ratio	Lower	Upper	
105	100		
120	26.6	21.1	31.7
77	18.8	13.9	20.9



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: 1.052 ug/L

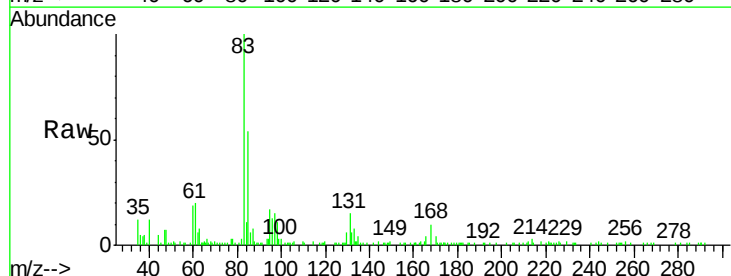
RT: 12.39 min Scan# 1760

Delta R.T. 0.01 min

Lab File: VR026305.D

Acq: 11 Feb 2019 12:43

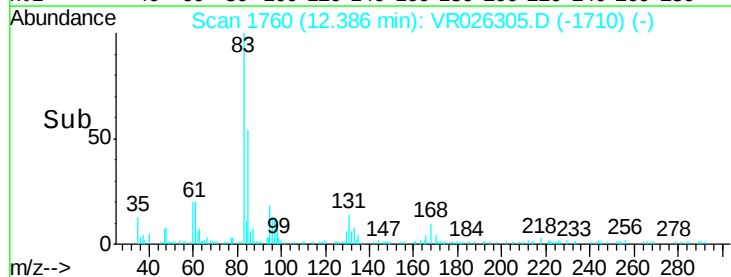
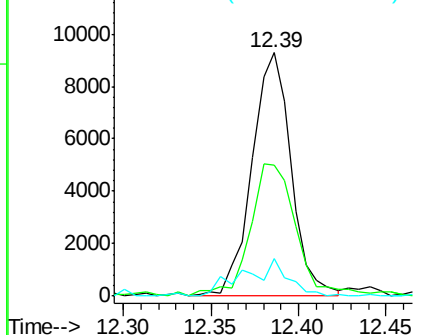
Tgt Ion:	83	Resp:	14460
Ion Ratio	Lower	Upper	
83	100		
85	53.8	46.2	85.8
131	15.4	7.3	10.9#

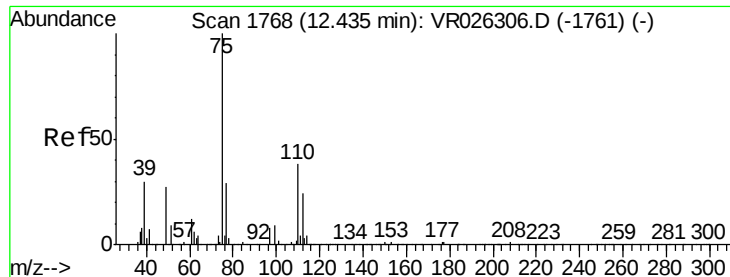


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 1.017 ug/L

RT: 12.43 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VR026305.D

Acq: 11 Feb 2019 12:43

Instrument :

MSVOA_R

ClientSampleId :

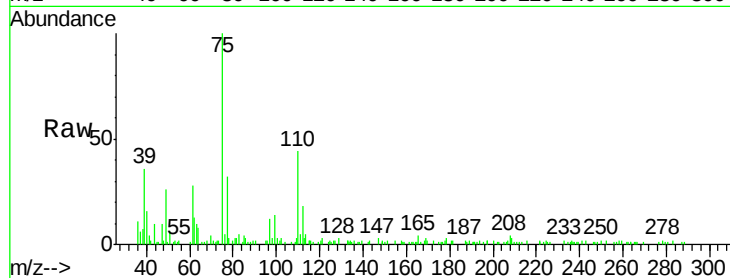
VSTD00182

Tgt Ion: 75 Resp: 10079

Ion Ratio Lower Upper

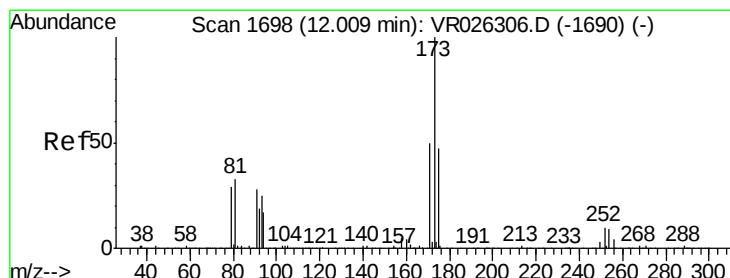
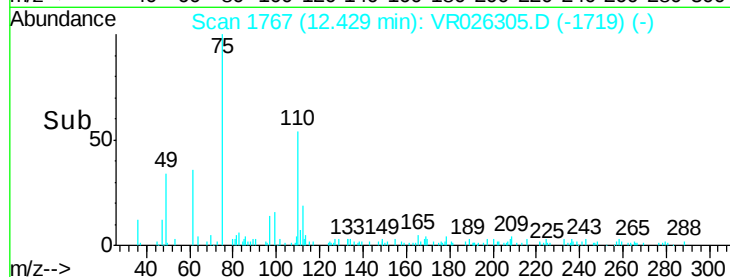
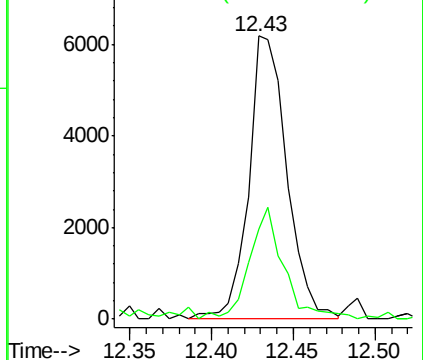
75 100

77 34.9 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VR0

Ion 77.00 (76.70 to 77.70): VR0



#61

Bromoform

Concen: 1.054 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VR026305.D

Acq: 11 Feb 2019 12:43

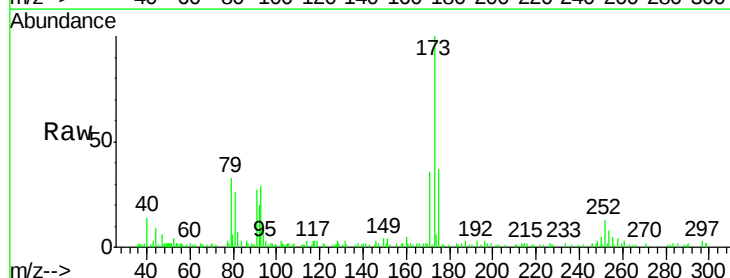
Tgt Ion: 173 Resp: 7635

Ion Ratio Lower Upper

173 100

175 44.2 37.1 55.7

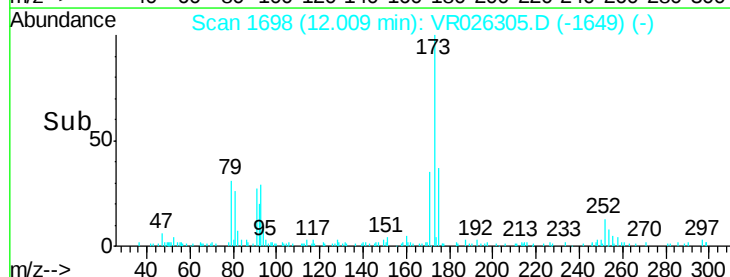
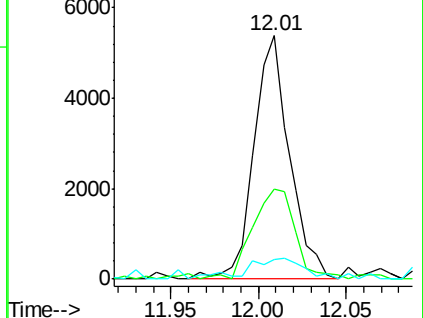
254 13.6 8.0 12.0#

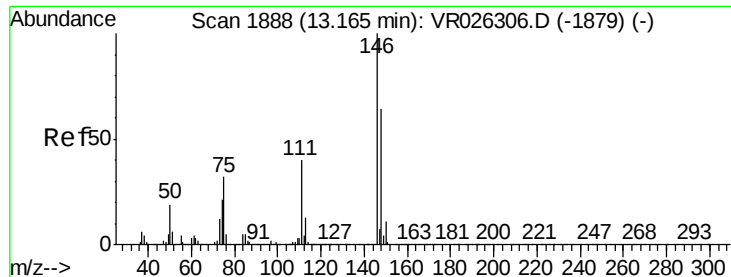


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V





#62

1,3-Dichlorobenzene

Concen: 0.965 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. -0.00 min

Lab File: VR026305.D

Acq: 11 Feb 2019 12:43

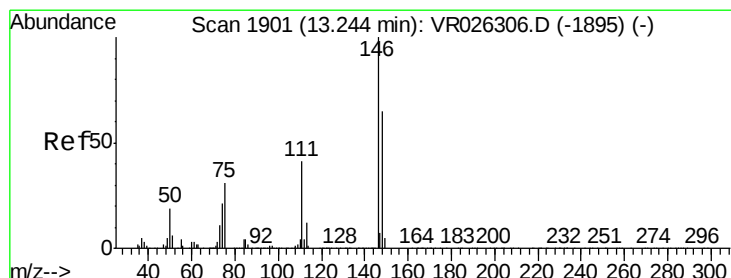
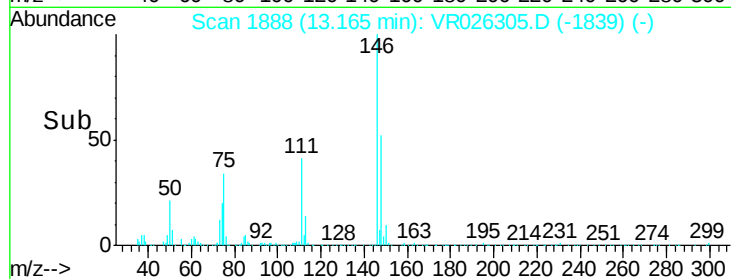
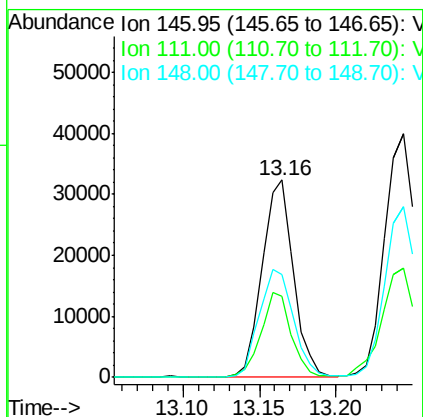
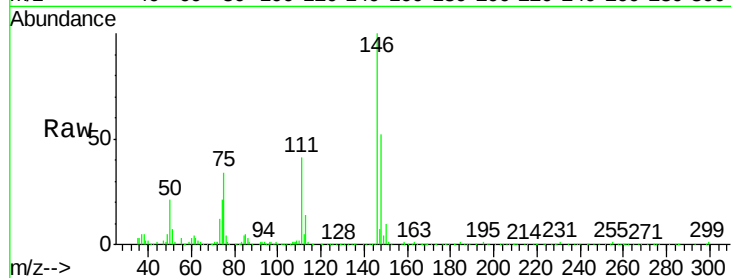
Instrument :

MSVOA_R

ClientSampled :

VSTD00182

Tgt Ion:	146	Resp:	46361
Ion	Ratio	Lower	Upper
146	100		
111	41.4	28.1	52.3
148	52.3	44.7	83.1



#63

1,4-Dichlorobenzene

Concen: 1.079 ug/L

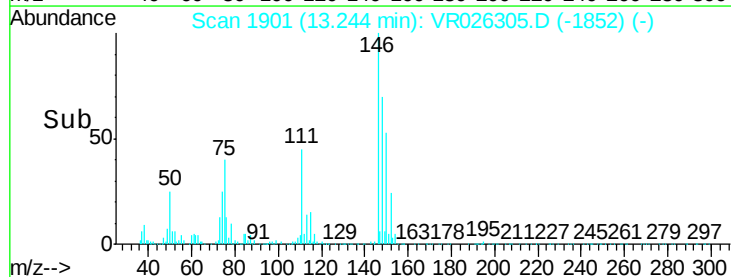
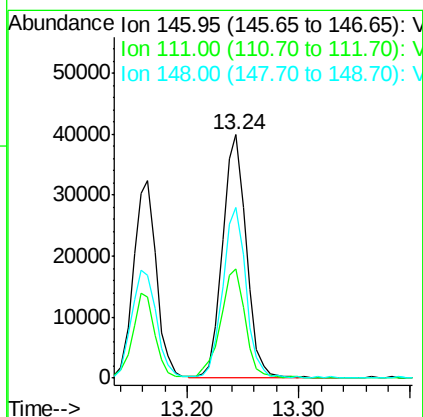
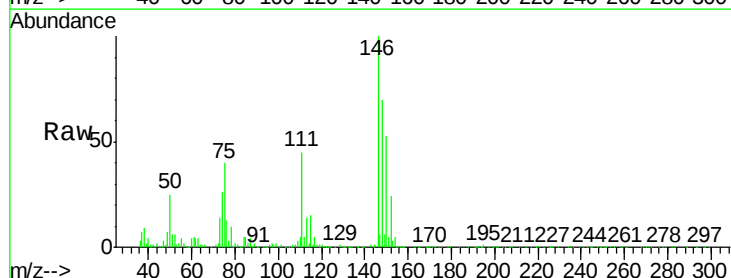
RT: 13.24 min Scan# 1901

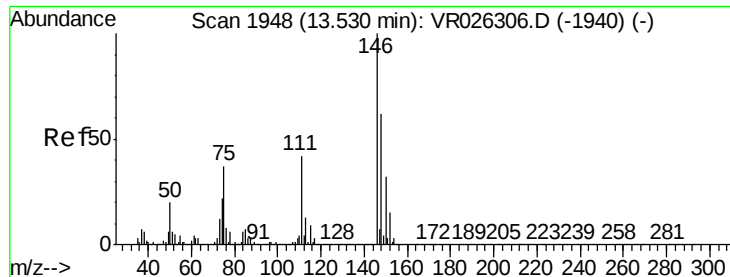
Delta R.T. -0.00 min

Lab File: VR026305.D

Acq: 11 Feb 2019 12:43

Tgt Ion:	146	Resp:	59175
Ion	Ratio	Lower	Upper
146	100		
111	44.8	29.1	54.1
148	69.9	45.6	84.8

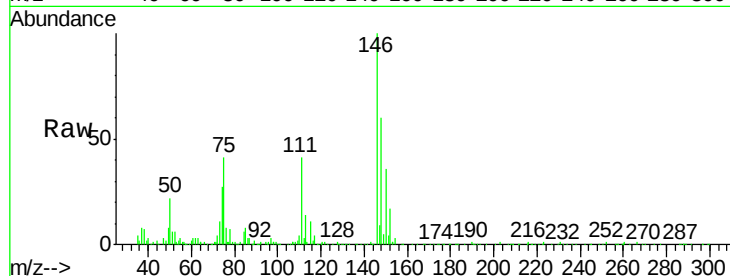




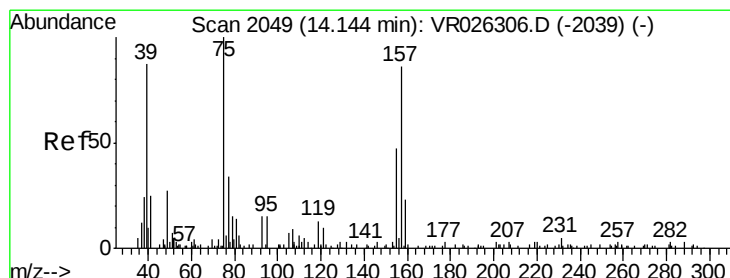
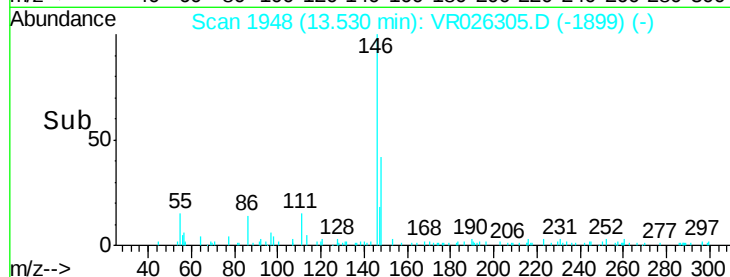
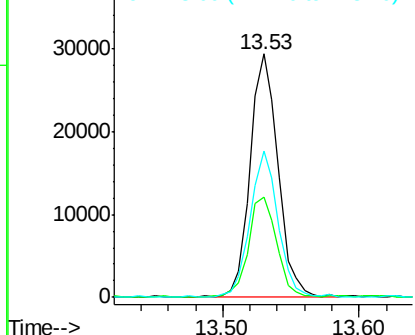
#65
1,2-Dichlorobenzene
Concen: 1.030 ug/L
RT: 13.53 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VR026305.D
Acq: 11 Feb 2019 12:43

Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	33.6	50.4
148	60.3	49.4	74.0

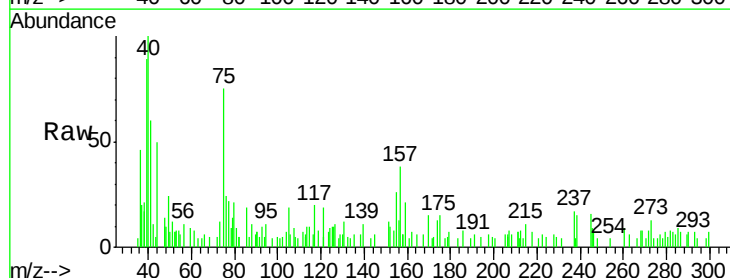


Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

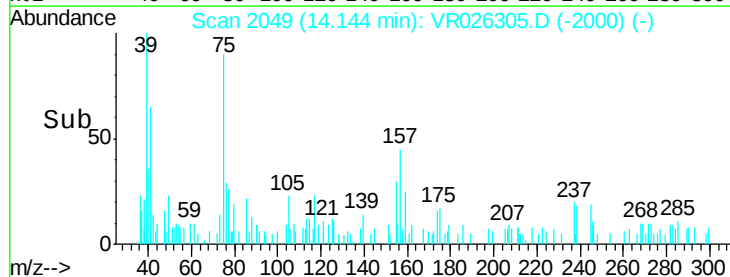
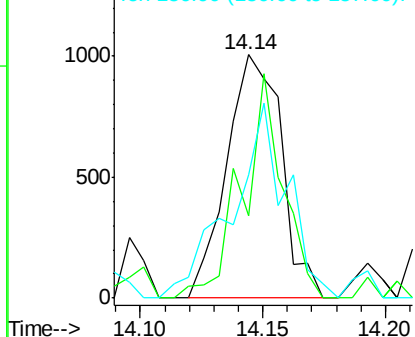


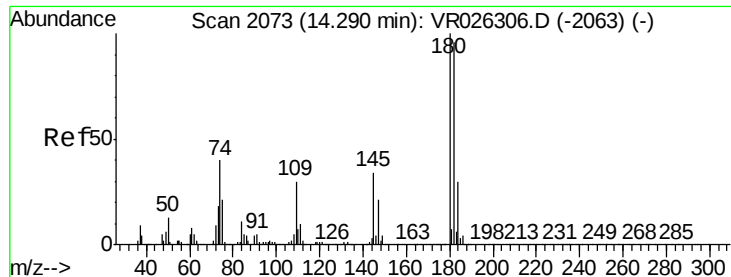
#66
1,2-Dibromo-3-chloropropane
Concen: 1.183 ug/L
RT: 14.14 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VR026305.D
Acq: 11 Feb 2019 12:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	34.0	38.0	57.0#
157	50.5	70.4	105.6#



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

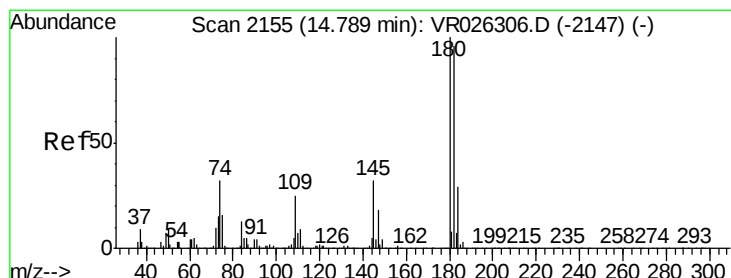
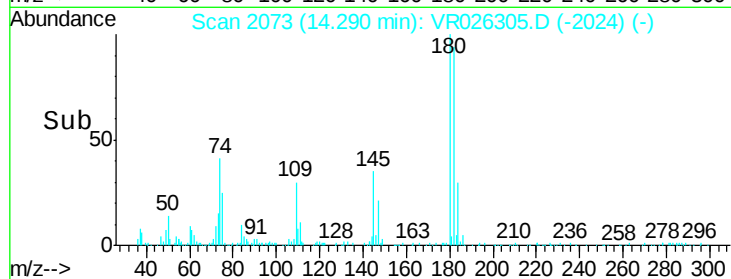
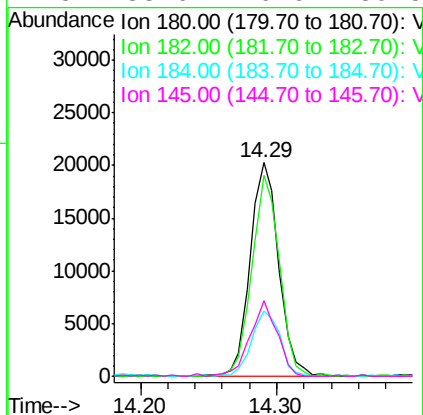
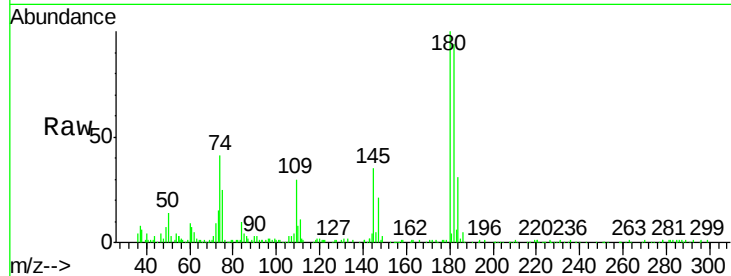




#67
 1,3,5-Trichlorobenzene
 Concen: 0.968 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR026305.D
 Acq: 11 Feb 2019 12:43

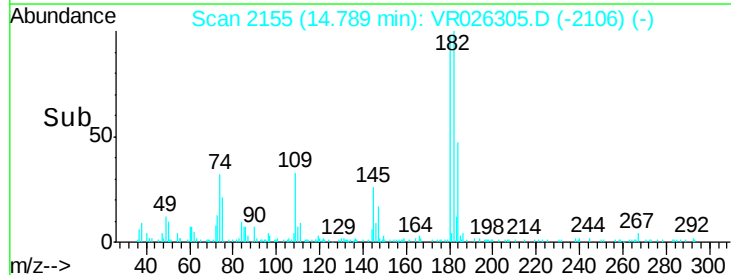
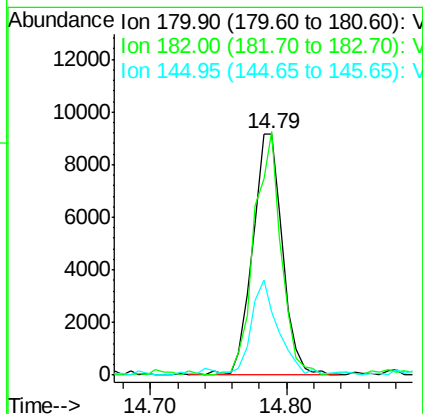
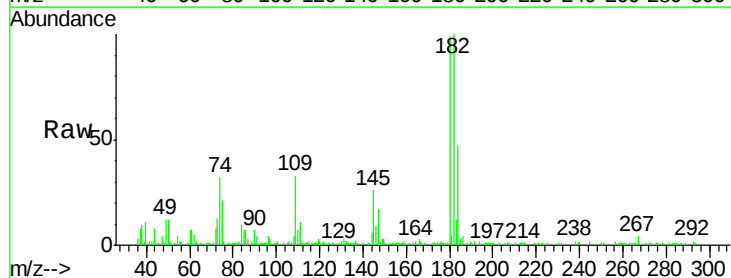
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00182

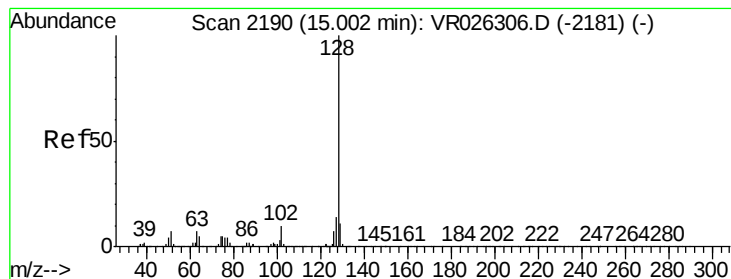
Tgt Ion:	180	Resp:	29815
Ion	Ratio	Lower	Upper
180	100		
182	91.0	76.0	114.0
184	30.4	23.3	34.9
145	33.6	26.6	39.8



#68
 1,2,4-trichlorobenzene
 Concen: 0.849 ug/L
 RT: 14.79 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VR026305.D
 Acq: 11 Feb 2019 12:43

Tgt Ion:	180	Resp:	14118
Ion	Ratio	Lower	Upper
180	100		
182	91.5	78.7	118.1
145	35.7	25.9	38.9





#69

Naphthalene

Concen: 0.703 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR026305.D

Acq: 11 Feb 2019 12:43

Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

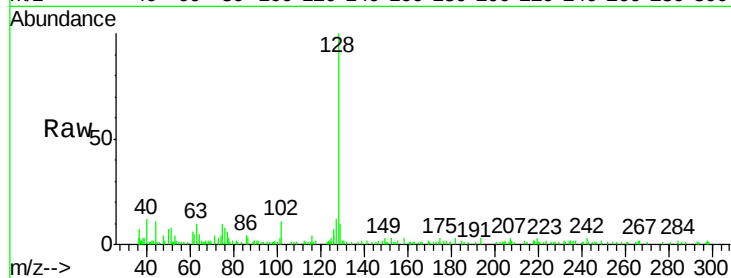
Tgt Ion:128 Resp: 10493

Ion Ratio Lower Upper

128 100

127 15.0 11.7 17.5

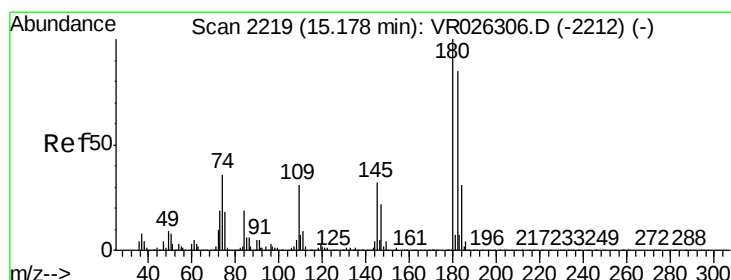
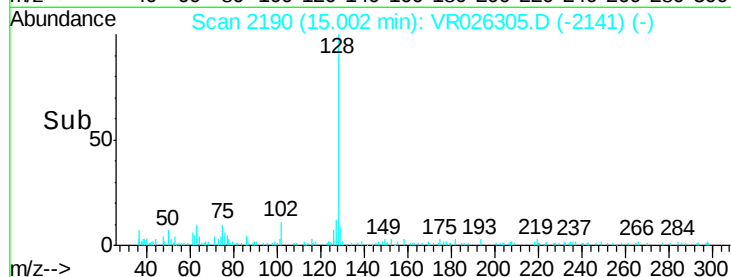
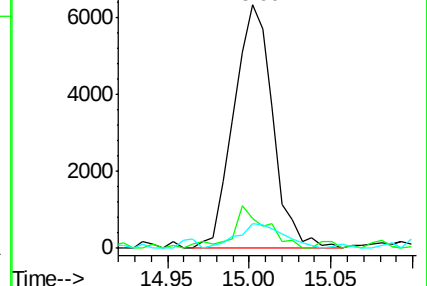
129 12.1 9.6 14.4



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: 0.867 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VR026305.D

Acq: 11 Feb 2019 12:43

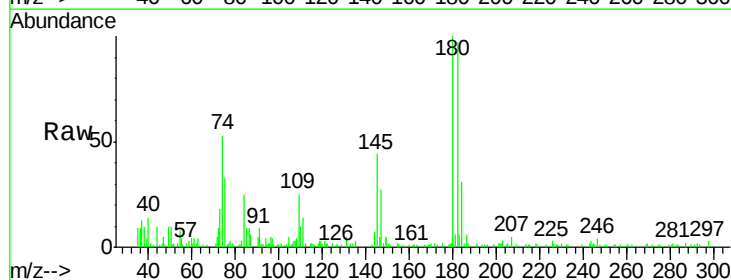
Tgt Ion:180 Resp: 10404

Ion Ratio Lower Upper

180 100

182 101.3 74.6 112.0

145 39.8 28.3 42.5



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

