

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101818\
 Data File : VR026140.D
 Acq On : 18 Oct 2018 18:26
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00595

Quant Time: Oct 19 04:43:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 19 04:39:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	563680	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	507396	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	202730	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	173970	3.53	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.60%
7) Chloroethane-d5	2.63	69	179695	4.24	ug/L	0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.80%
11) 1,1-Dichloroethene-d2	3.63	63	486803	4.02	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.40%
20) 2-Butanone-d5	6.59	46	240265	59.32	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.64%
24) Chloroform-d	7.20	84	365106	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
26) 1,2-Dichloroethane-d4	7.89	65	159935	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	7.85	84	663001	4.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.40%
36) 1,2-Dichloropropane-d6	8.90	67	189097	4.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.80%
41) Toluene-d8	9.97	98	618542	4.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.40%
43) trans-1,3-Dichloropropene-	10.24	79	43742	3.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.20%
46) 2-Hexanone-d5	10.59	63	208649	65.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	130.88%#
57) 1,1,2,2-Tetrachloroethane-	12.36	84	91476	5.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.80%
64) 1,2-Dichlorobenzene-d4	13.51	152	137954	4.31	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	156524	4.134 ug/L	98
3) Chloromethane	2.01	50	296639	4.934 ug/L	99
5) Vinyl chloride	2.17	62	265477	4.432 ug/L	97
6) Bromomethane	2.52	94	168289	4.254 ug/L	90
8) Chloroethane	2.66	64	176138	4.746 ug/L	98
9) Trichlorofluoromethane	2.93	101	135562	1.568 ug/L #	31
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	256873	4.983 ug/L	98
12) 1,1-Dichloroethene	3.63	96	109189	1.992 ug/L	95
13) Acetone	3.70	43	226534	54.106 ug/L	99
14) Carbon disulfide	3.94	76	634094	4.425 ug/L	97
15) Methyl Acetate	4.19	43	58773	5.374 ug/L	99
16) Methylene chloride	4.40	84	233985	4.707 ug/L	96
17) Methyl tert-butyl Ether	4.89	73	240578	4.834 ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	196834	4.748 ug/L	95
19) 1,1-Dichloroethane	5.69	63	367935	4.728 ug/L	99
21) 2-Butanone	6.69	43	270651	56.034 ug/L	96
22) cis-1,2-Dichloroethene	6.67	96	198105	5.052 ug/L	97

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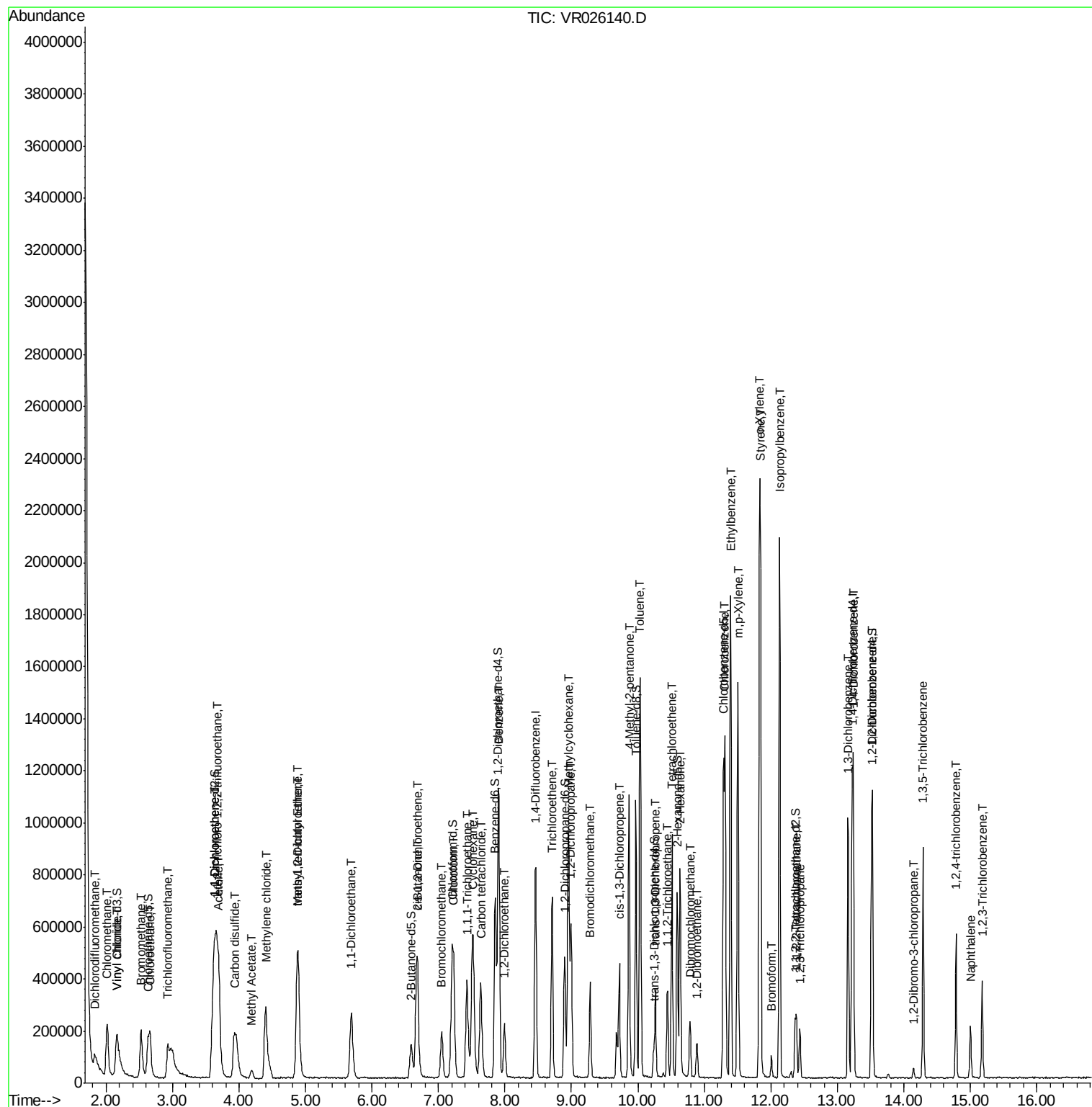
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	53115	4.829	ug/L	92
25) Chloroform	7.23	83	376091	4.952	ug/L	99
27) 1,2-Dichloroethane	7.99	62	188403	5.067	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	315756	4.554	ug/L	98
30) Cyclohexane	7.51	56	334714	4.809	ug/L	99
31) Carbon tetrachloride	7.63	117	276128	4.380	ug/L	97
33) Benzene	7.91	78	910191	4.781	ug/L	100
34) Trichloroethene	8.71	95	220871	4.533	ug/L	99
35) Methylcyclohexane	8.95	83	347495	4.790	ug/L	98
37) 1,2-Dichloropropane	8.99	63	198395	4.939	ug/L	99
38) Bromodichloromethane	9.28	83	212637	4.922	ug/L #	98
39) cis-1,3-Dichloropropene	9.72	75	214363	4.663	ug/L	98
40) 4-Methyl-2-pentanone	9.86	43	690487	56.288	ug/L	100
42) Toluene	10.04	91	977962	4.867	ug/L	98
44) trans-1,3-Dichloropropene	10.26	75	148050	4.609	ug/L	98
45) 1,1,2-Trichloroethane	10.45	97	85047	5.020	ug/L	96
47) Tetrachloroethene	10.51	164	149148	4.286	ug/L	93
48) 2-Hexanone	10.63	43	466491	58.224	ug/L	99
49) Dibromochloromethane	10.79	129	94531	4.958	ug/L	94
50) 1,2-Dibromoethane	10.89	107	73081	4.993	ug/L	88
51) Chlorobenzene	11.32	112	534247	4.803	ug/L	100
52) Ethylbenzene	11.39	91	1149097	4.973	ug/L	99
53) m,p-Xylene	11.50	106	413934	4.917	ug/L	94
54) o-Xylene	11.83	106	390329	5.057	ug/L	99
55) Styrene	11.84	104	628603	5.291	ug/L	99
56) Isopropylbenzene	12.13	105	1089023	5.080	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	90145	5.235	ug/L	96
59) 1,2,3-Trichloropropane	12.43	75	65850	5.208	ug/L	97
61) Bromoform	12.01	173	29249	4.151	ug/L	97
62) 1,3-Dichlorobenzene	13.16	146	314582	4.671	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	328182	4.705	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	259630	4.803	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.14	75	9230	4.191	ug/L	95
67) 1,3,5-Trichlorobenzene	14.29	180	188454	4.592	ug/L	98
68) 1,2,4-trichlorobenzene	14.78	180	116291	4.855	ug/L	98
69) Naphthalene	15.00	128	122341	5.260	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	85746	5.154	ug/L	99

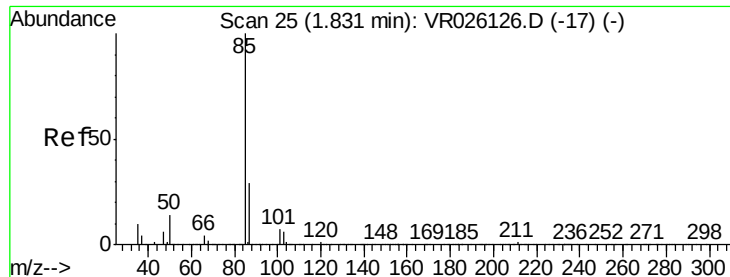
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.134 ug/L

RT: 1.84 min Scan# 26

Delta R.T. 0.01 min

Lab File: VR026140.D

Acq: 18 Oct 2018 18:26

Instrument :

MSVOA_R

ClientSampleId :

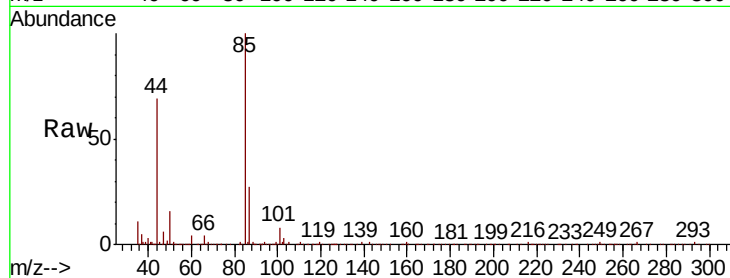
VSTD00595

Tgt Ion: 85 Resp: 156524

Ion Ratio Lower Upper

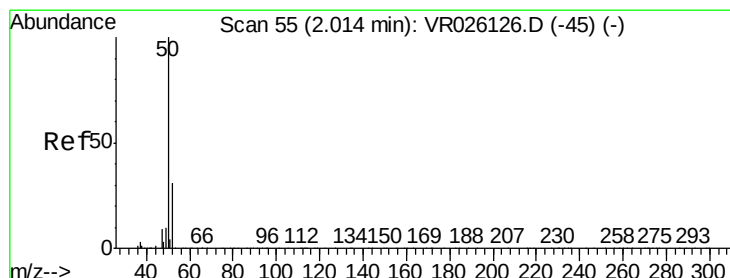
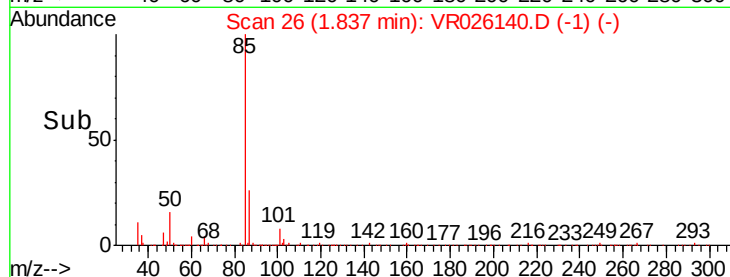
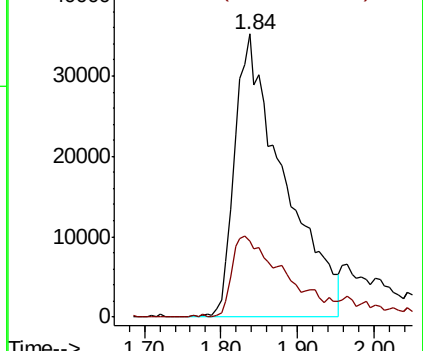
85 100

87 30.4 23.4 35.2



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 4.934 ug/L

RT: 2.01 min Scan# 55

Delta R.T. -0.00 min

Lab File: VR026140.D

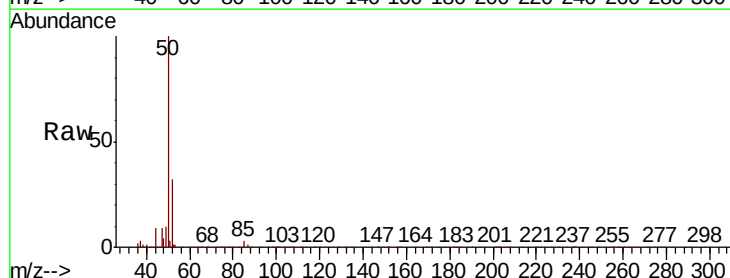
Acq: 18 Oct 2018 18:26

Tgt Ion: 50 Resp: 296639

Ion Ratio Lower Upper

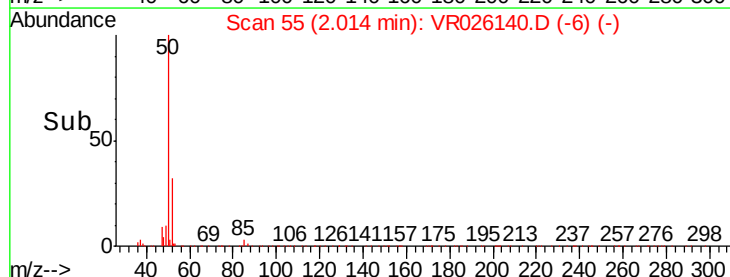
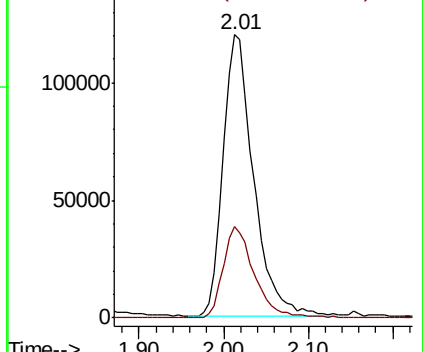
50 100

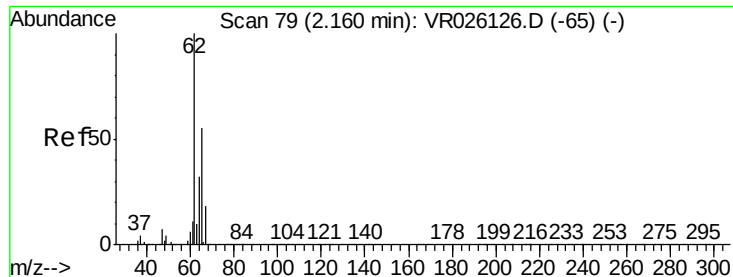
52 32.2 22.0 40.8



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 4.432 ug/L

RT: 2.17 min Scan# 80

Delta R.T. 0.01 min

Lab File: VR026140.D

Acq: 18 Oct 2018 18:26

Instrument :

MSVOA_R

ClientSampleId :

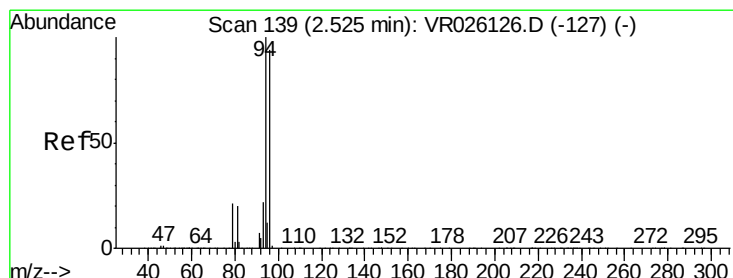
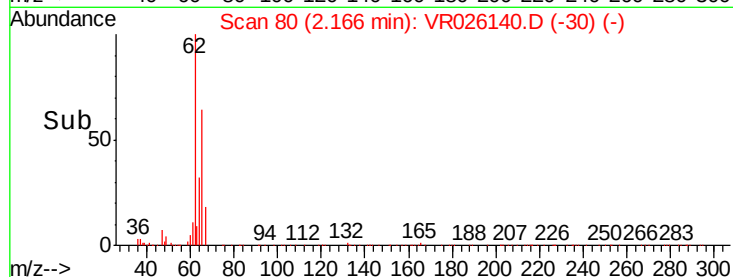
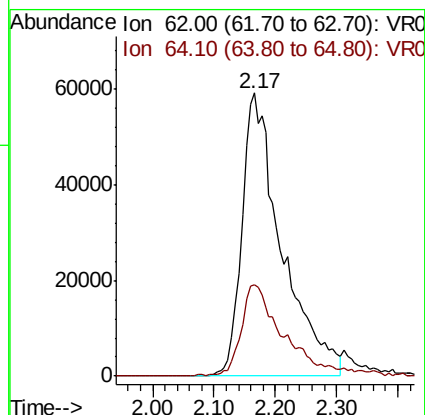
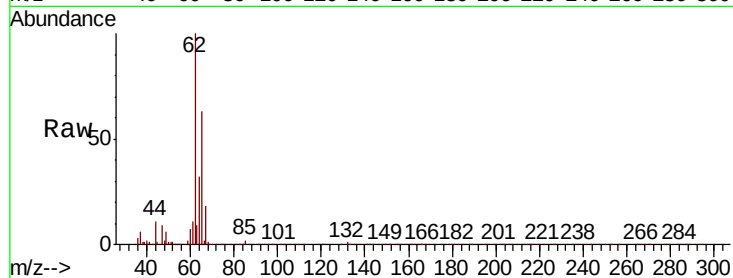
VSTD00595

Tgt Ion: 62 Resp: 265477

Ion Ratio Lower Upper

62 100

64 32.4 23.9 44.3



#6

Bromomethane

Concen: 4.254 ug/L

RT: 2.52 min Scan# 139

Delta R.T. -0.00 min

Lab File: VR026140.D

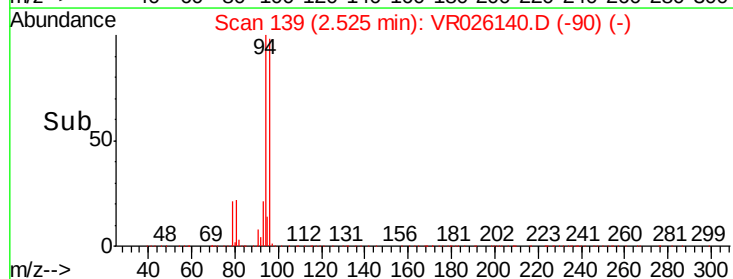
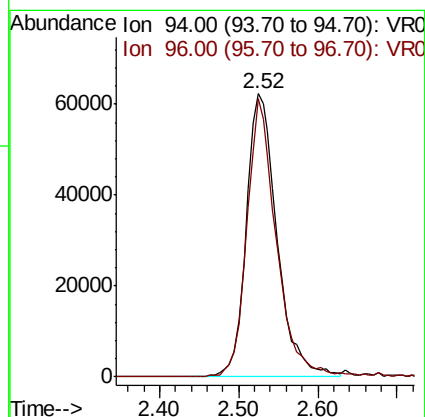
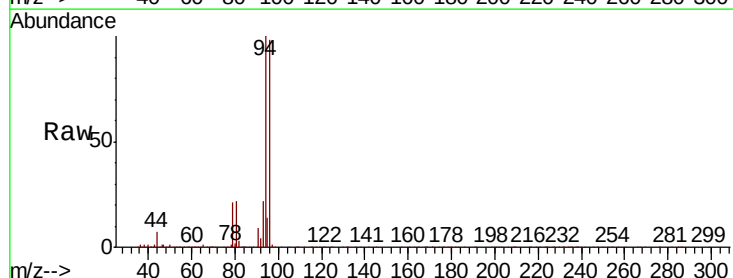
Acq: 18 Oct 2018 18:26

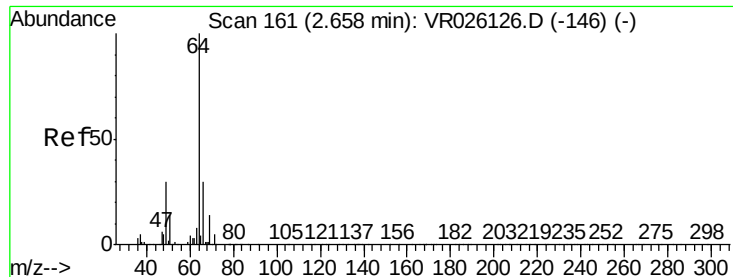
Tgt Ion: 94 Resp: 168289

Ion Ratio Lower Upper

94 100

96 98.3 62.5 116.1





#8

Chloroethane

Concen: 4.746 ug/L

RT: 2.66 min Scan# 161

Delta R.T. -0.00 min

Lab File: VR026140.D

Acq: 18 Oct 2018 18:26

Instrument :

MSVOA_R

ClientSampleId :

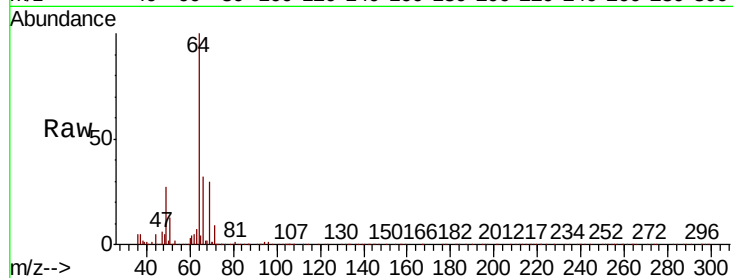
VSTD00595

Tgt Ion: 64 Resp: 176138

Ion Ratio Lower Upper

64 100

66 32.5 22.0 40.8



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0

2.66

60000

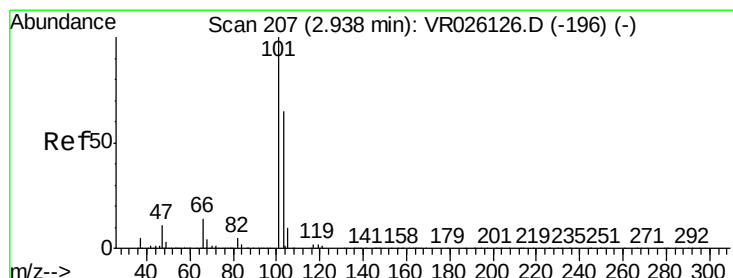
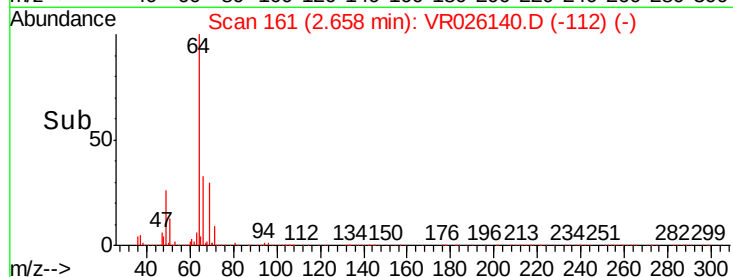
40000

20000

0

Time-->

2.50 2.60 2.70 2.80



#9

Trichlorofluoromethane

Concen: 1.568 ug/L

RT: 2.93 min Scan# 206

Delta R.T. -0.01 min

Lab File: VR026140.D

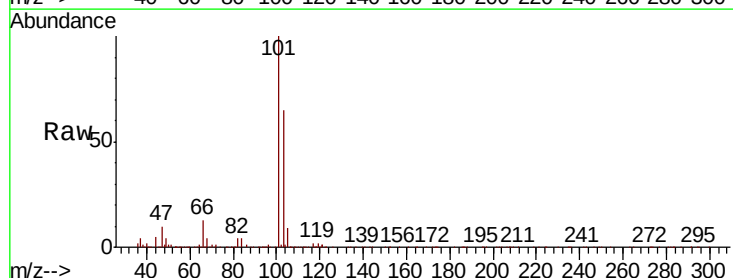
Acq: 18 Oct 2018 18:26

Tgt Ion: 101 Resp: 135562

Ion Ratio Lower Upper

101 100

103 71.0 26.0 39.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

2.93

60000

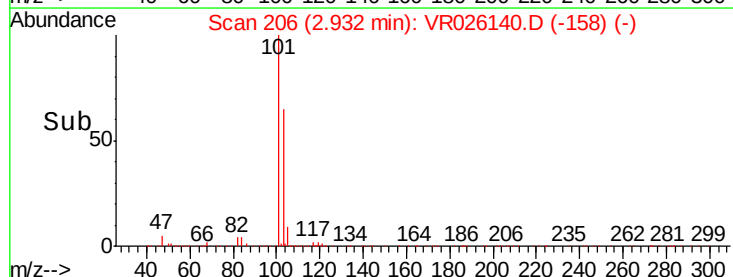
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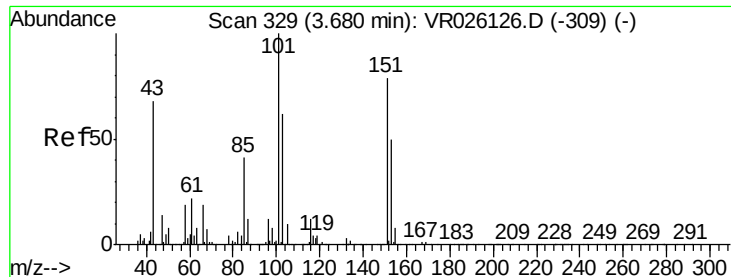
20000

0

Time-->

2.85 2.90 2.95





#10

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

Concen: 4.983 ug/L

RT: 3.68 min Scan# 329

Delta R.T. -0.00 min

Lab File: VR026140.D

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Instrument :

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ClientSampleId :

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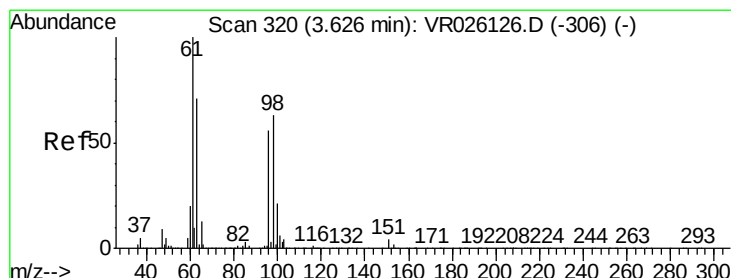
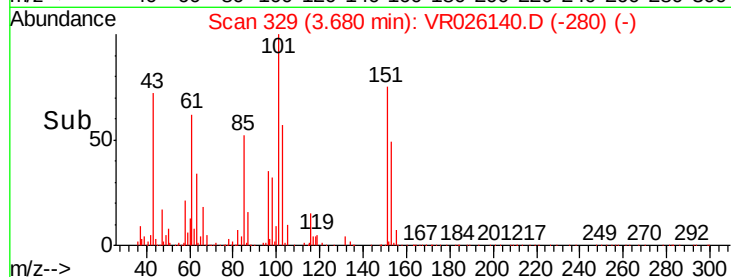
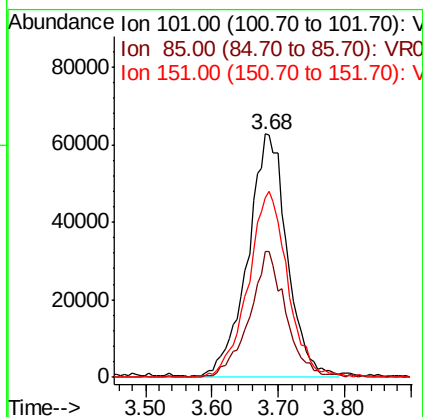
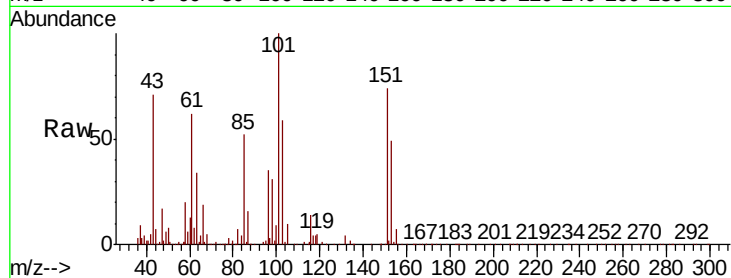
Tgt Ion:101 Resp: 256873

Ion Ratio Lower Upper

101 100

85 48.1 37.8 56.8

151 77.3 63.2 94.8



#12

1,1-Dichloroethene

Concen: 1.992 ug/L

RT: 3.63 min Scan# 320

Delta R.T. -0.00 min

Lab File: VR026140.D

Acq: 18 Oct 2018 18:26

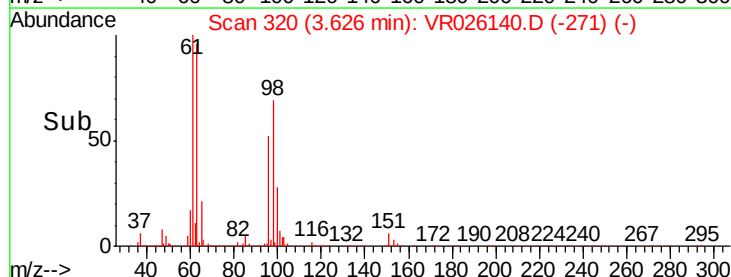
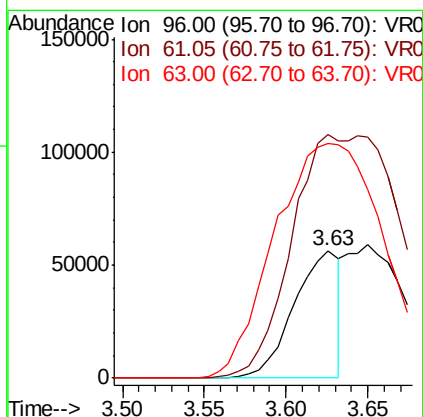
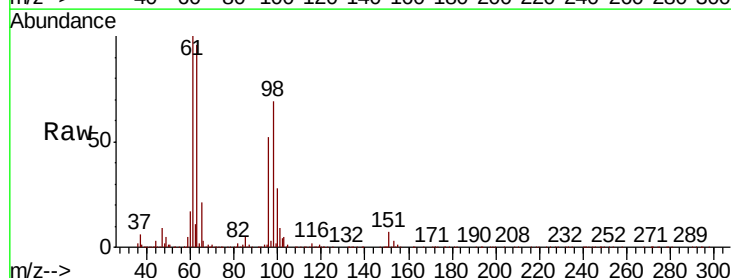
Tgt Ion: 96 Resp: 109189

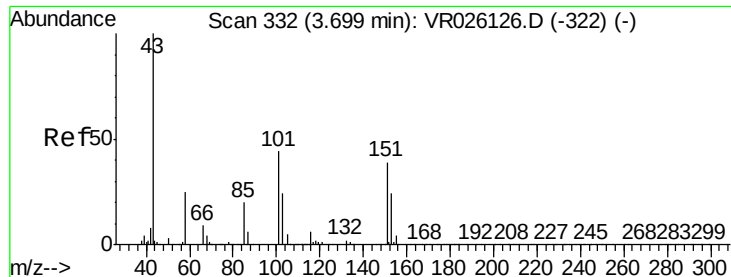
Ion Ratio Lower Upper

96 100

61 190.8 126.7 235.3

63 183.9 125.0 232.2





#13

Acetone

Concen: 54.106 ug/L

RT: 3.70 min Scan# 332

Delta R.T. -0.00 min

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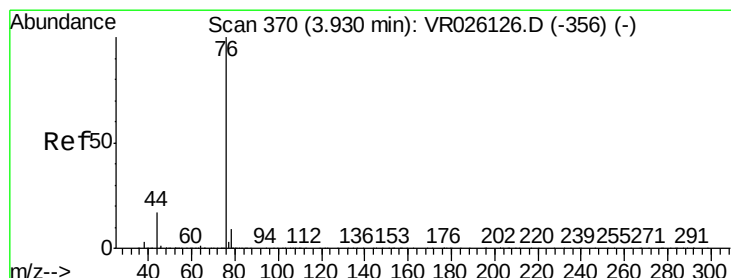
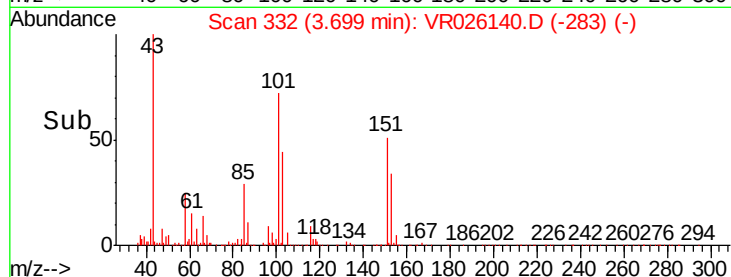
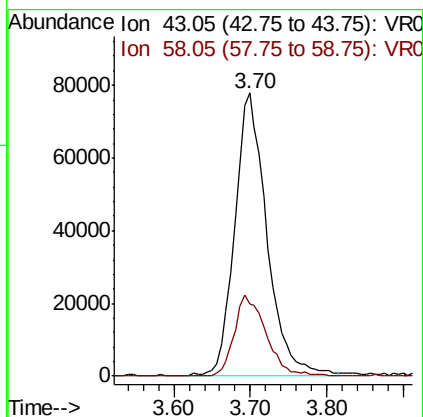
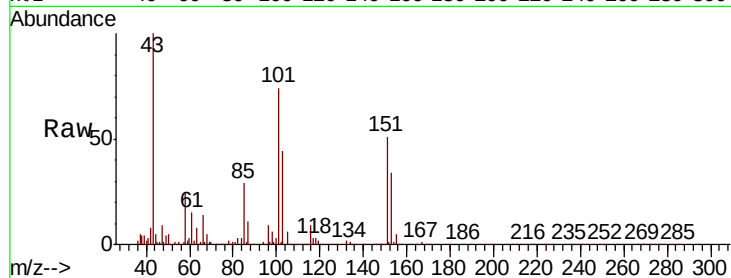
VSTD00595

Tgt Ion: 43 Resp: 226534

Ion Ratio Lower Upper

43 100

58 28.5 0.0 55.4



#14

Carbon disulfide

Concen: 4.425 ug/L

RT: 3.94 min Scan# 371

Delta R.T. 0.01 min

Lab File: VR026140.D

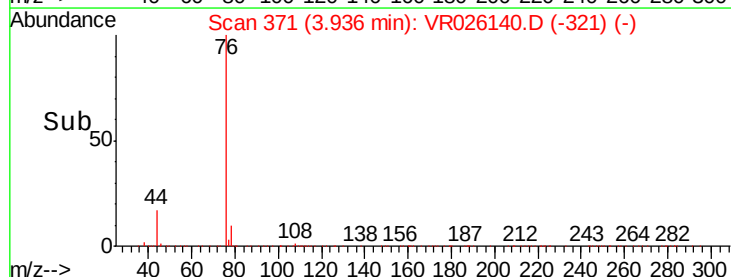
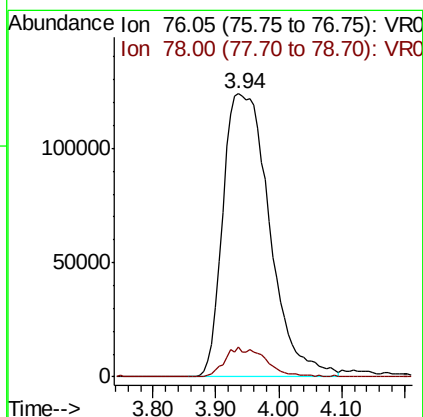
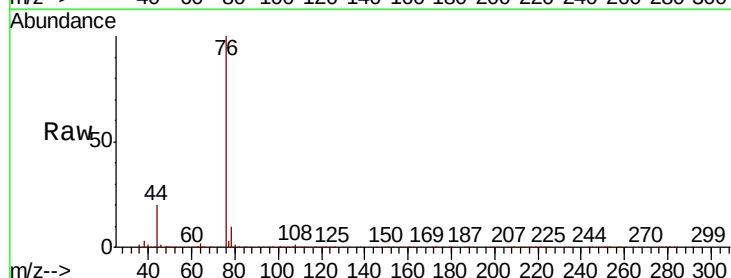
Acq: 18 Oct 2018 18:26

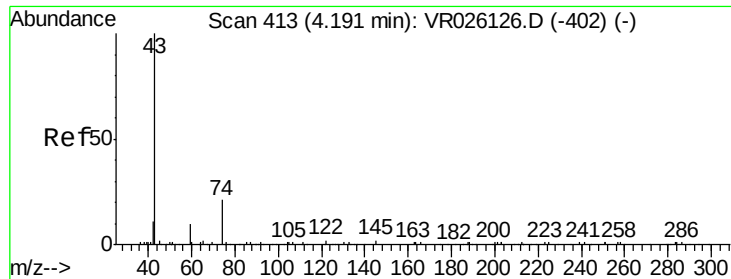
Tgt Ion: 76 Resp: 634094

Ion Ratio Lower Upper

76 100

78 10.4 7.6 11.4

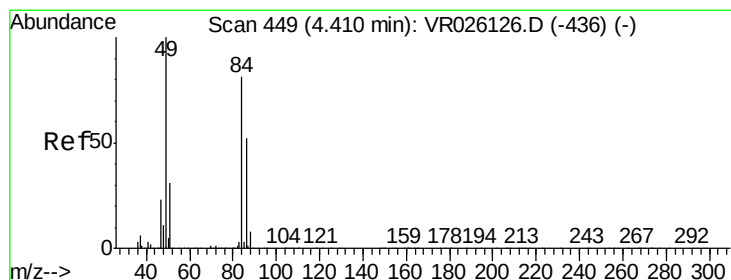
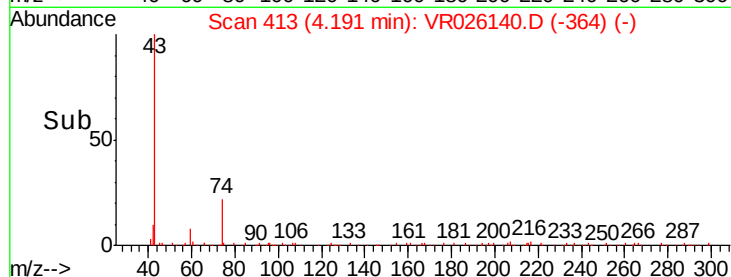
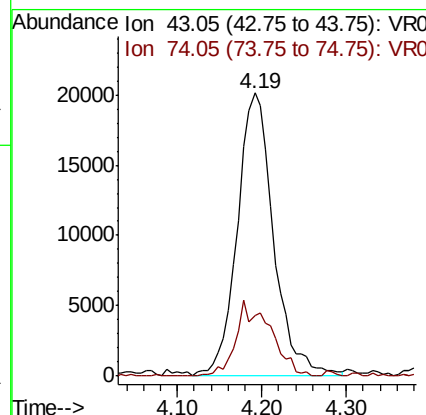
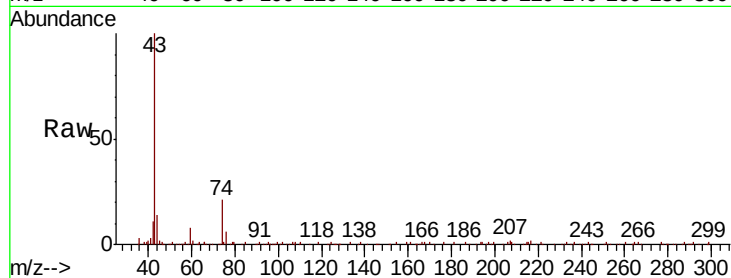




#15
Methyl Acetate
Concen: 5.374 ug/L
RT: 4.19 min Scan# 413
Delta R.T. -0.00 min
Lab File: VR026140.D
Acq: 18 Oct 2018 18:26

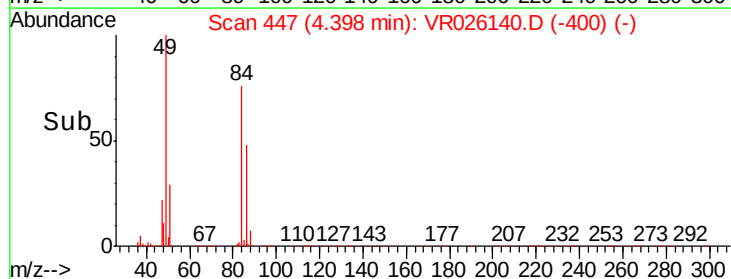
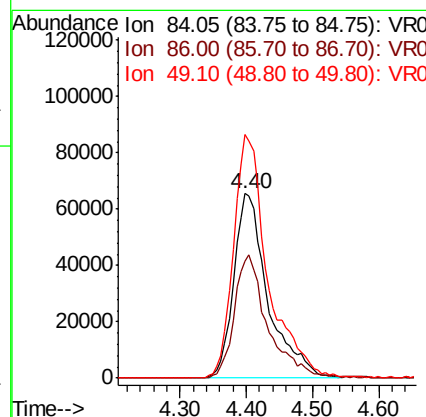
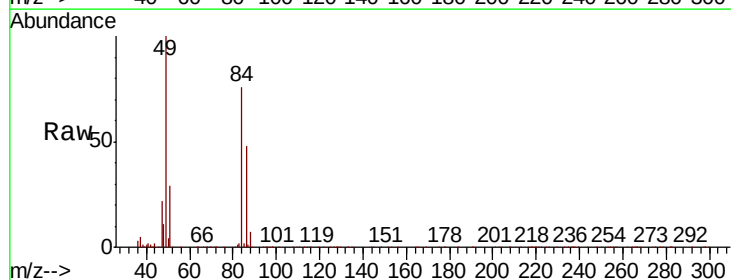
Instrument :
MSVOA_R
ClientSampleId :
VSTD00595

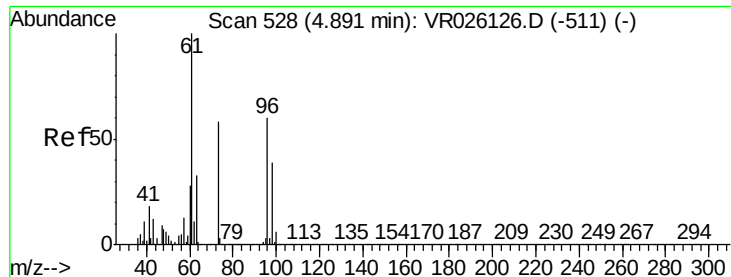
Tgt Ion: 43 Resp: 58773
Ion Ratio Lower Upper
43 100
74 25.5 19.8 29.8



#16
Methylene chloride
Concen: 4.707 ug/L
RT: 4.40 min Scan# 447
Delta R.T. -0.01 min
Lab File: VR026140.D
Acq: 18 Oct 2018 18:26

Tgt Ion: 84 Resp: 233985
Ion Ratio Lower Upper
84 100
86 63.1 43.0 79.8
49 132.1 89.1 165.5

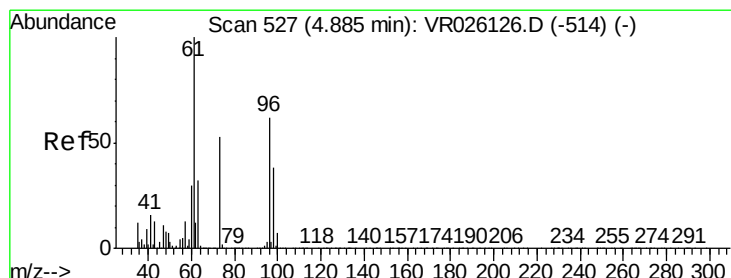
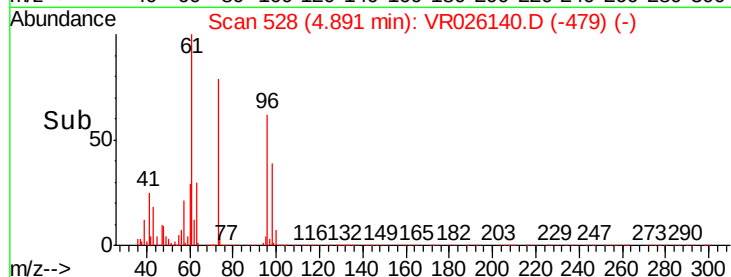
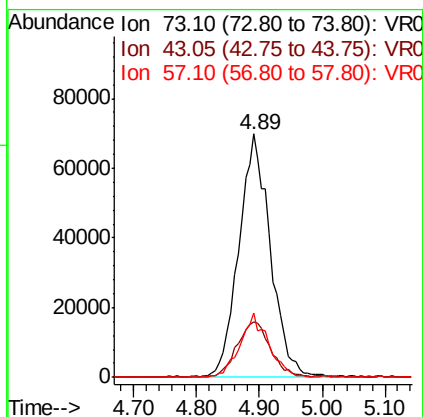
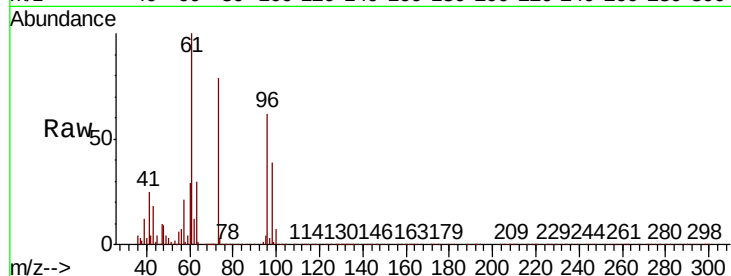




#17
Methyl tert-butyl Ether
Concen: 4.834 ug/L
RT: 4.89 min Scan# 528
Delta R.T. -0.00 min
Lab File: VR026140.D
Acq: 18 Oct 2018 18:26

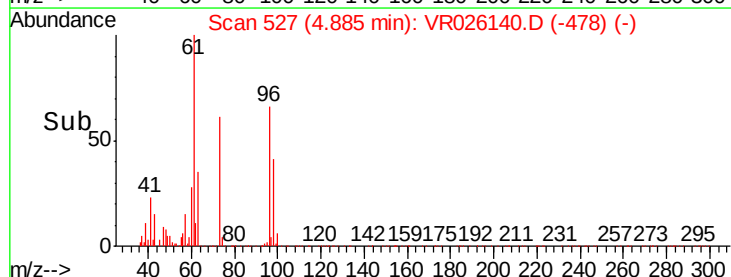
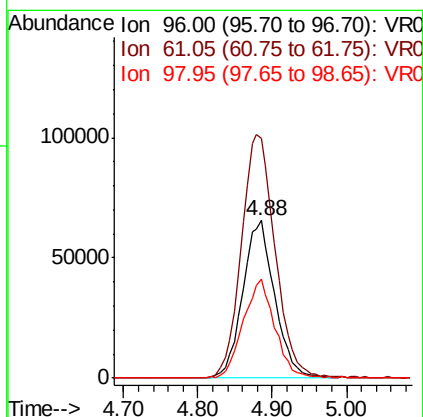
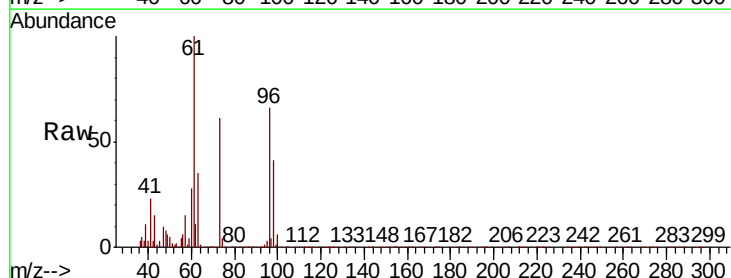
Instrument :
MSVOA_R
ClientSampleId :
VSTD00595

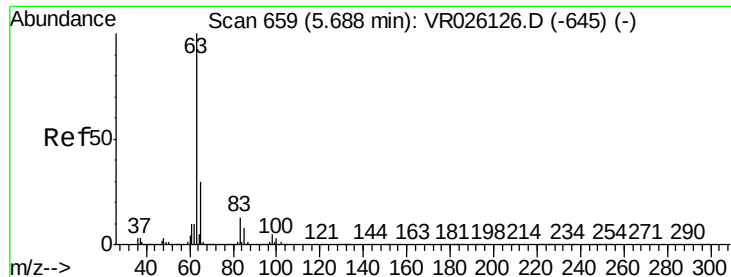
Tgt Ion	Ratio	Lower	Upper
73	100		
43	24.4	20.1	30.1
57	24.0	19.0	28.4



#18
trans-1,2-Dichloroethene
Concen: 4.748 ug/L
RT: 4.88 min Scan# 527
Delta R.T. -0.00 min
Lab File: VR026140.D
Acq: 18 Oct 2018 18:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.3	111.4	206.8
98	62.4	41.4	77.0

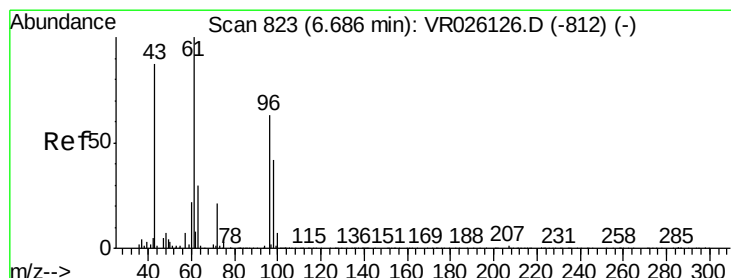
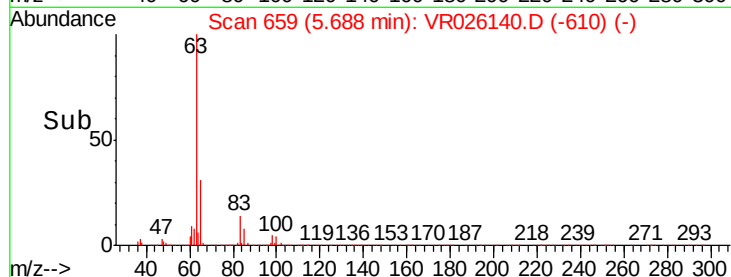
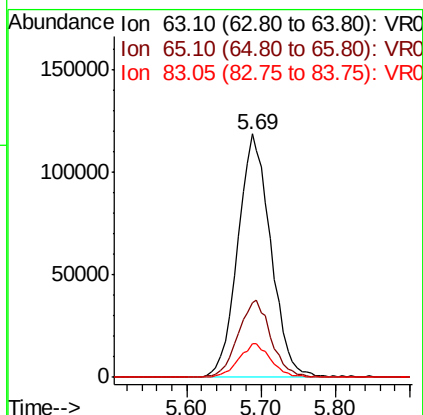
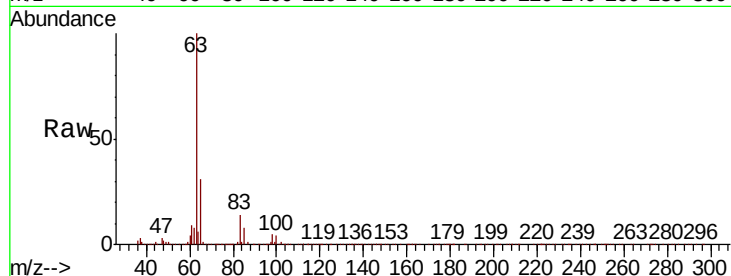




#19
 1,1-Dichloroethane
 Concen: 4.728 ug/L
 RT: 5.69 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VR026140.D
 Acq: 18 Oct 2018 18:26

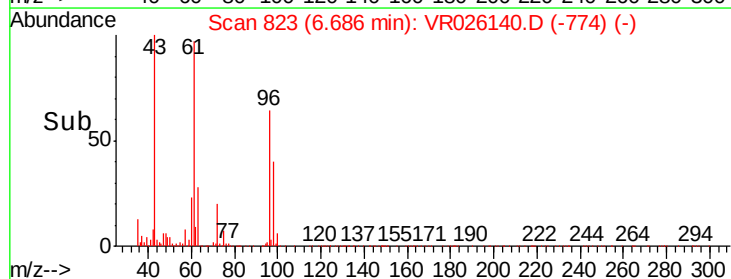
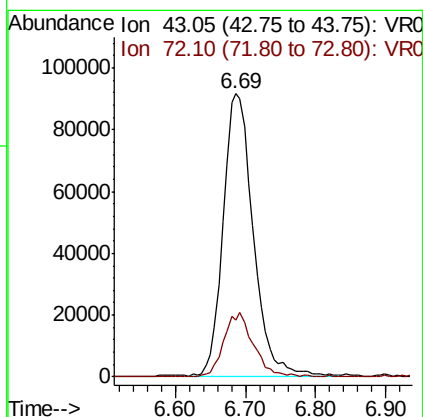
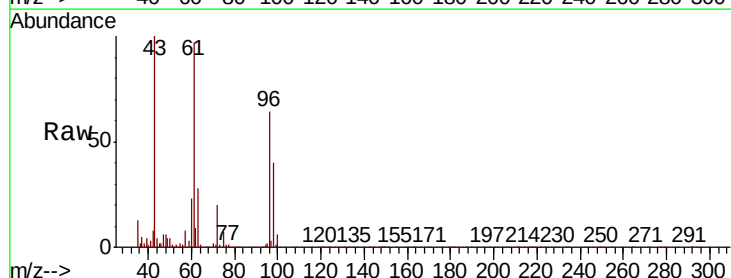
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00595

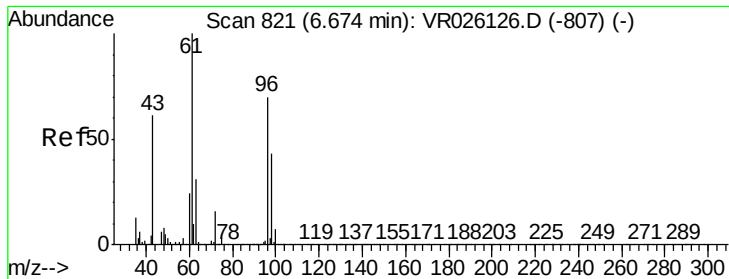
Tgt Ion:	63	Resp:	367935
Ion	Ratio	Lower	Upper
63	100		
65	30.6	21.2	39.4
83	13.6	9.2	17.2



#21
 2-Butanone
 Concen: 56.034 ug/L
 RT: 6.69 min Scan# 823
 Delta R.T. -0.00 min
 Lab File: VR026140.D
 Acq: 18 Oct 2018 18:26

Tgt Ion:	43	Resp:	270651
Ion	Ratio	Lower	Upper
43	100		
72	22.6	12.3	36.8



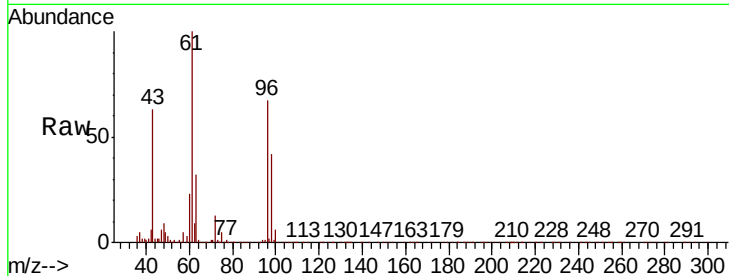


#22

cis-1,2-Dichloroethene
 Concen: 5.052 ug/L
 RT: 6.67 min Scan# 821
 Delta R.T. -0.00 min
 Lab File: VR026140.D
 Acq: 18 Oct 2018 18:26

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00595

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.7	101.8	189.0
68	0.1	0.1	0.3

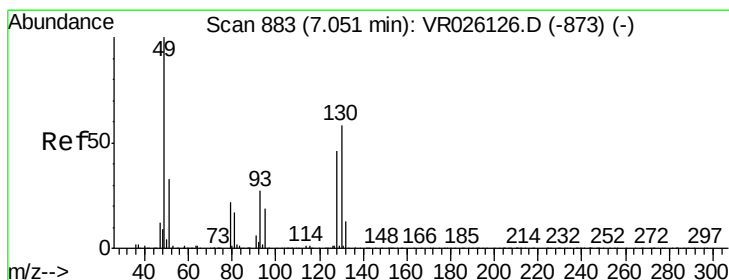
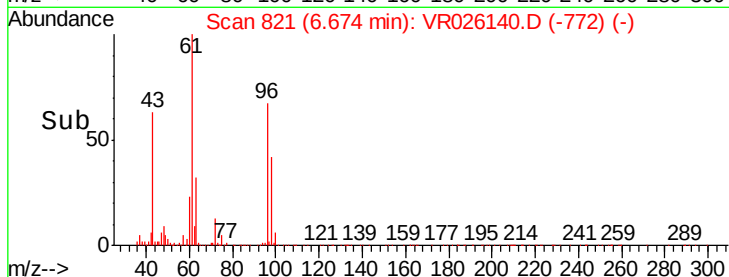
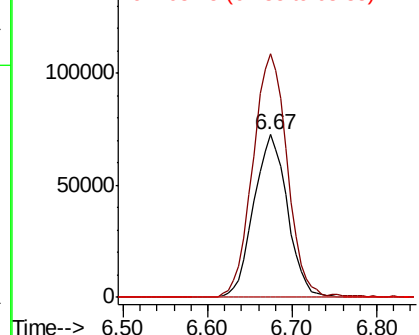


Abundance

Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

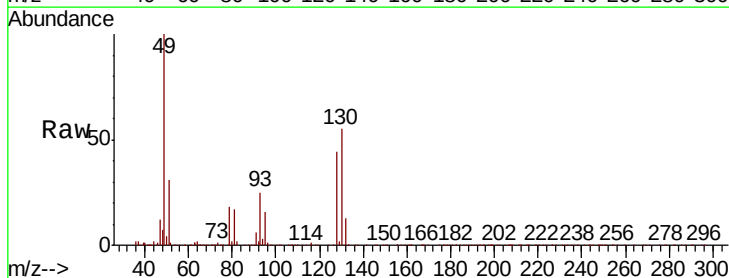
Ion 68.15 (67.85 to 68.85): VR0



#23

Bromochloromethane
 Concen: 4.829 ug/L
 RT: 7.05 min Scan# 883
 Delta R.T. -0.00 min
 Lab File: VR026140.D
 Acq: 18 Oct 2018 18:26

Tgt Ion	Ratio	Lower	Upper
128	100		
49	226.1	146.2	271.4
130	124.5	92.5	171.7
51	70.0	55.6	83.4



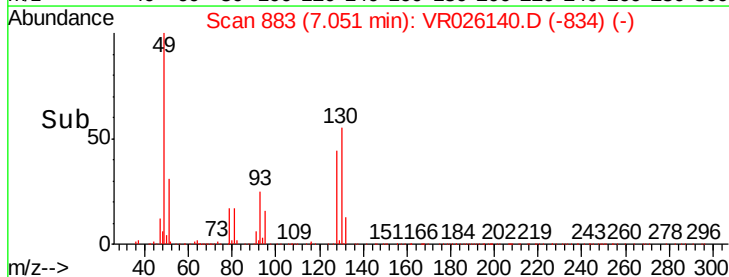
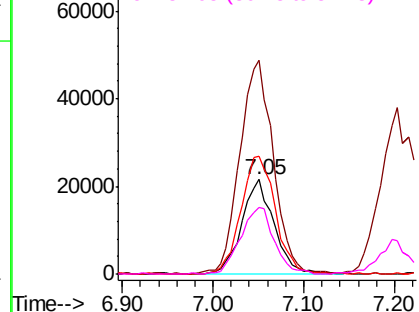
Abundance

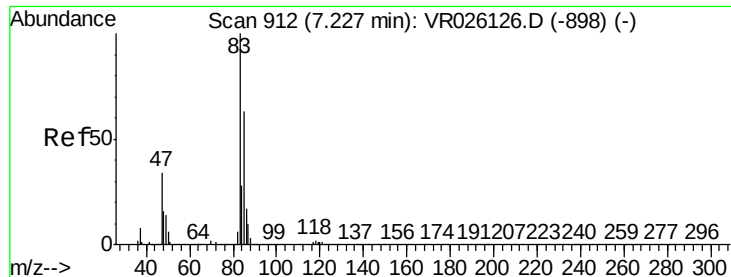
Ion 127.90 (127.60 to 128.60): VR0

Ion 49.10 (48.80 to 49.80): VR0

Ion 129.95 (129.65 to 130.65): VR0

Ion 51.05 (50.75 to 51.75): VR0





#25

Chloroform

Concen: 4.952 ug/L

RT: 7.23 min Scan# 912

Delta R.T. -0.00 min

Lab File: VR026140.D

Acq: 18 Oct 2018 18:26

Instrument :

MSVOA_R

ClientSampleId :

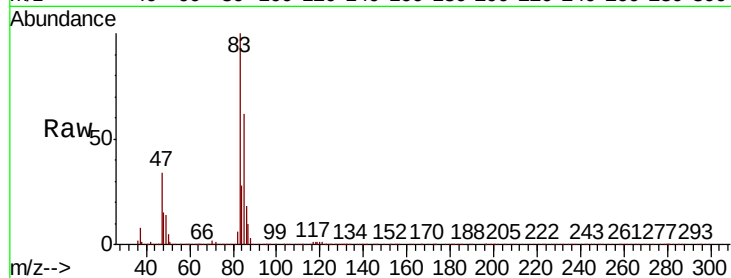
VSTD00595

Tgt Ion: 83 Resp: 376091

Ion Ratio Lower Upper

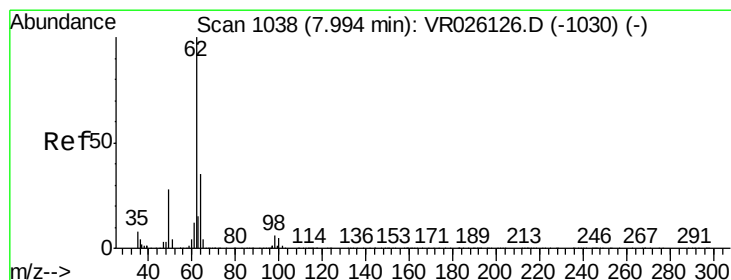
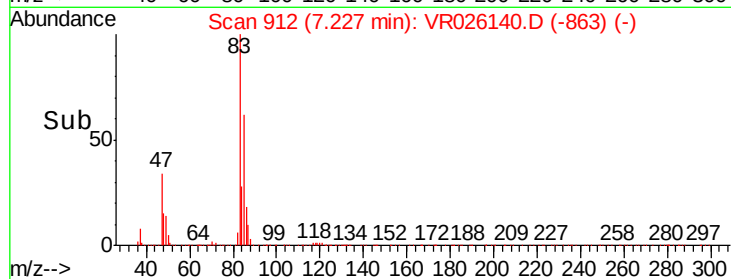
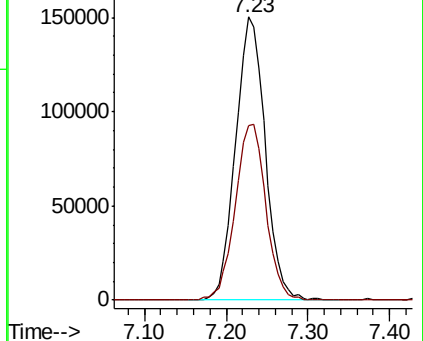
83 100

85 61.7 43.5 80.7



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0



#27

1,2-Dichloroethane

Concen: 5.067 ug/L

RT: 7.99 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VR026140.D

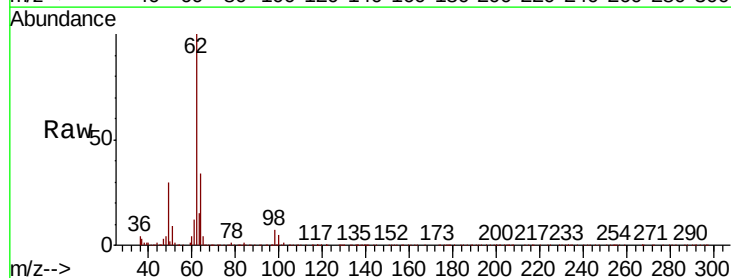
Acq: 18 Oct 2018 18:26

Tgt Ion: 62 Resp: 188403

Ion Ratio Lower Upper

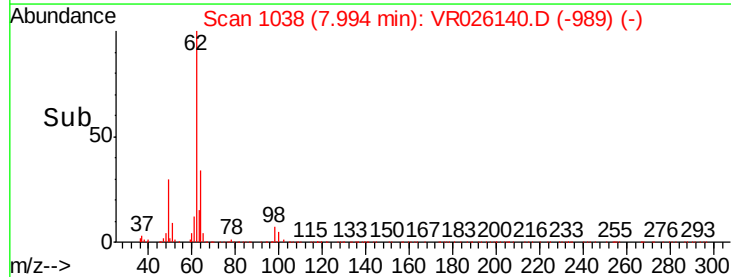
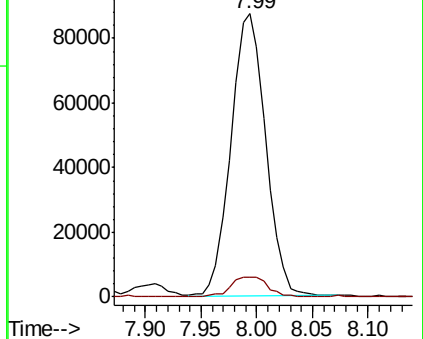
62 100

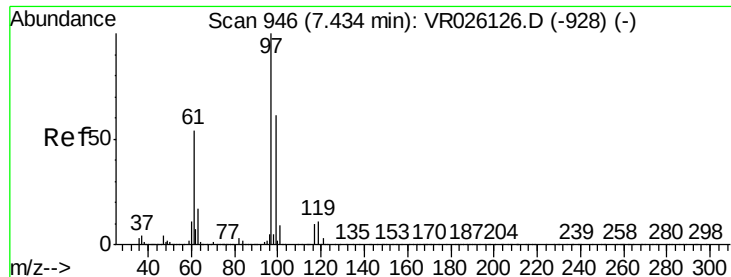
98 7.2 5.6 8.4



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0

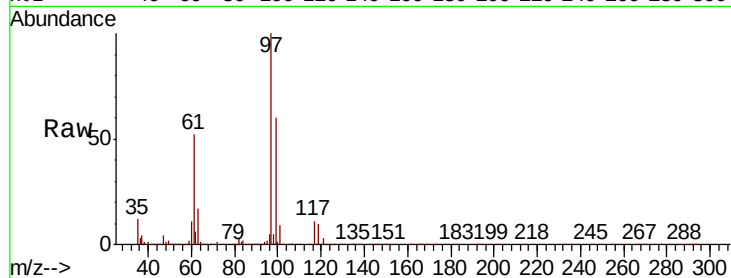




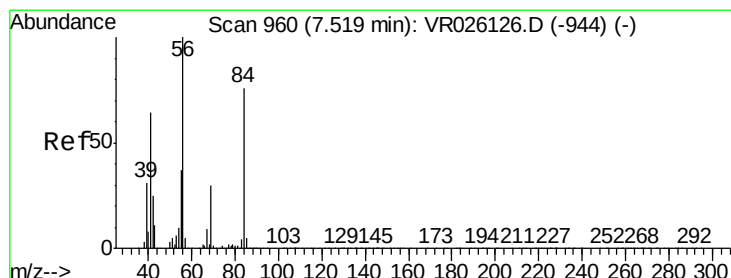
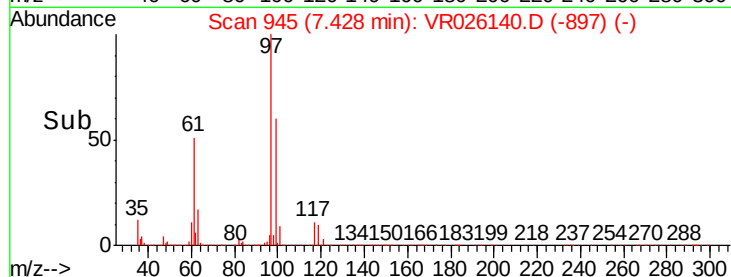
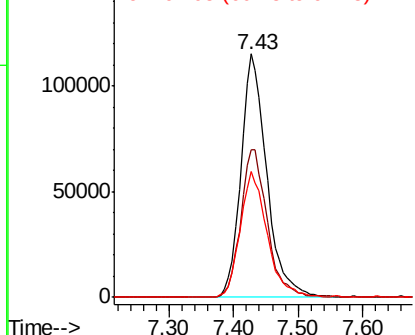
#29
 1,1,1-Trichloroethane
 Concen: 4.554 ug/L
 RT: 7.43 min Scan# 945
 Delta R.T. -0.01 min
 Lab File: VR026140.D
 Acq: 18 Oct 2018 18:26

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00595

Tgt Ion:	97	Resp:	315756
Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.1	76.7
61	54.2	42.1	63.1

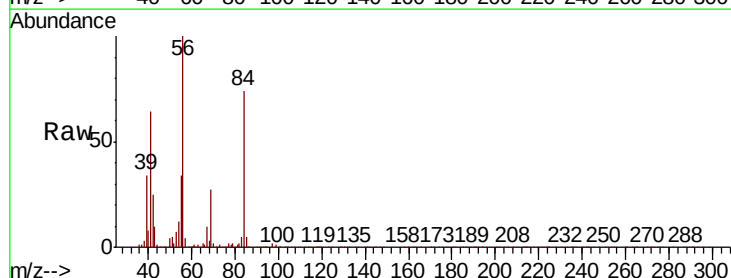


Abundance Ion 96.95 (96.65 to 97.65): VR0
 Ion 99.05 (98.75 to 99.75): VR0
 Ion 61.05 (60.75 to 61.75): VR0

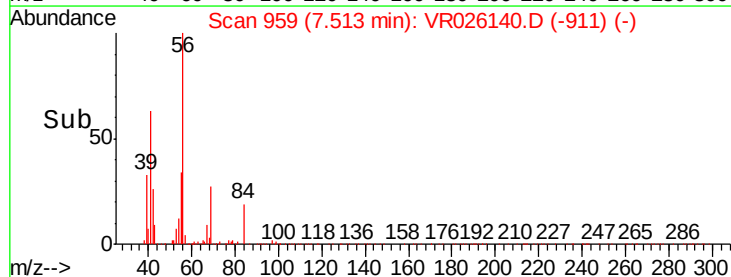
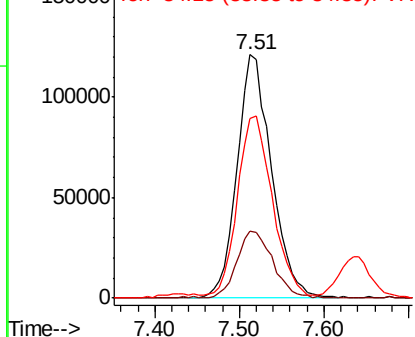


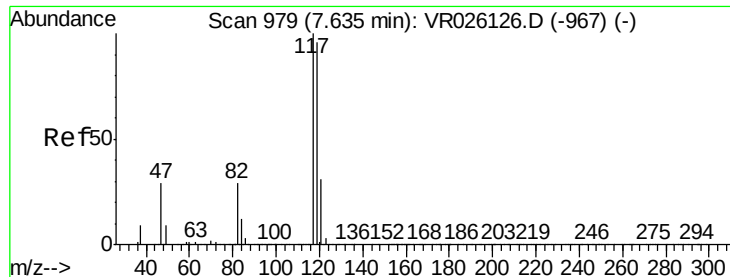
#30
 Cyclohexane
 Concen: 4.809 ug/L
 RT: 7.51 min Scan# 959
 Delta R.T. -0.01 min
 Lab File: VR026140.D
 Acq: 18 Oct 2018 18:26

Tgt Ion:	56	Resp:	334714
Ion	Ratio	Lower	Upper
56	100		
69	28.6	23.8	35.8
84	76.9	62.2	93.4



Abundance Ion 56.10 (55.80 to 56.80): VR0
 Ion 69.15 (68.85 to 69.85): VR0
 Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 4.380 ug/L

RT: 7.63 min Scan# 979

Delta R.T. -0.00 min

Lab File: VR026140.D

Acq: 18 Oct 2018 18:26

Instrument :

MSVOA_R

ClientSampleId :

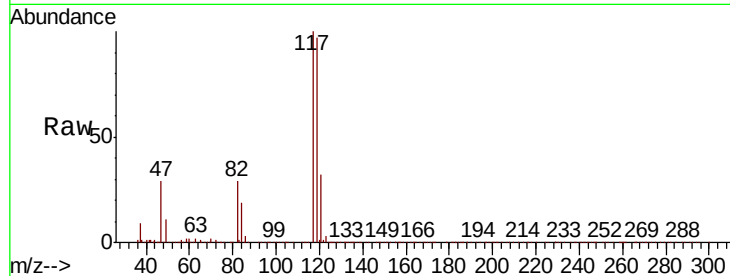
VSTD00595

Tgt Ion:117 Resp: 276128

Ion Ratio Lower Upper

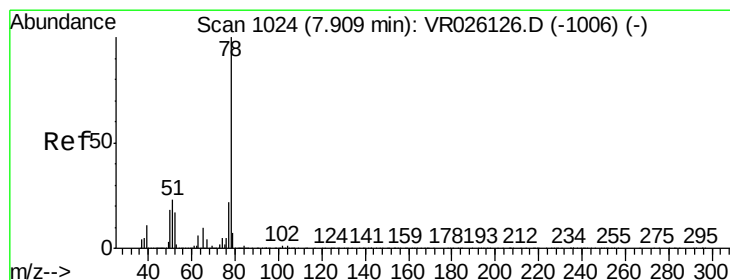
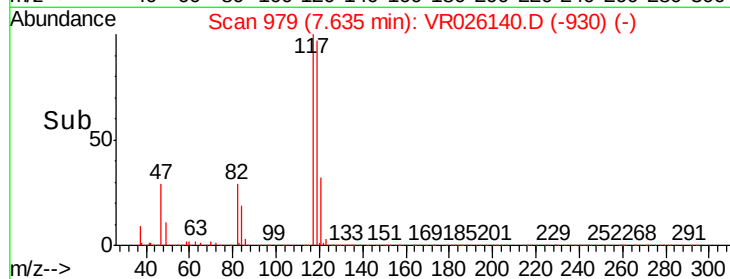
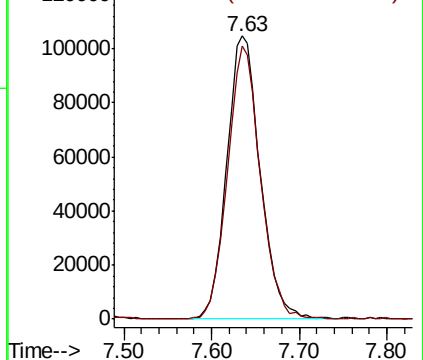
117 100

119 95.3 74.2 111.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.781 ug/L

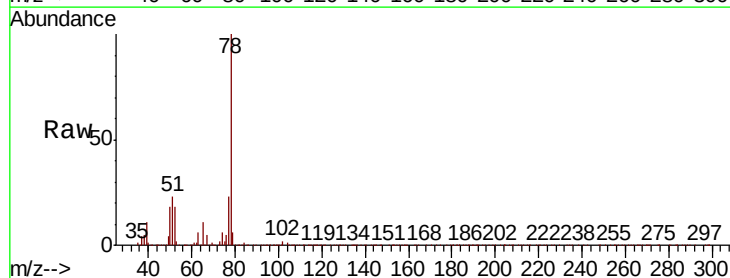
RT: 7.91 min Scan# 1024

Delta R.T. -0.00 min

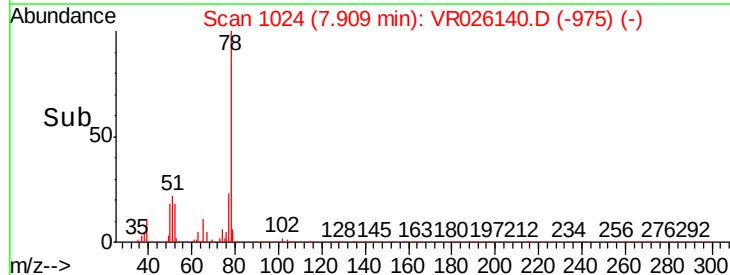
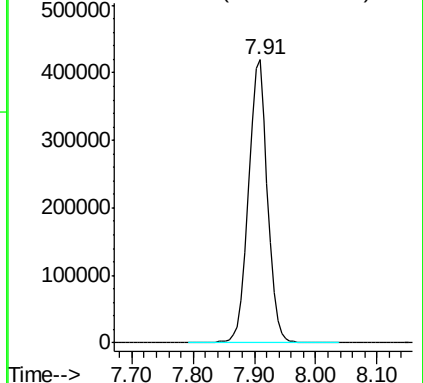
Lab File: VR026140.D

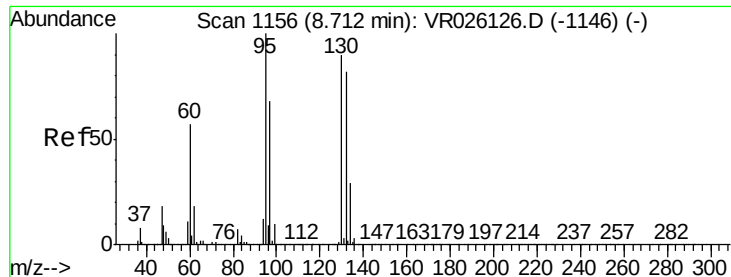
Acq: 18 Oct 2018 18:26

Tgt Ion: 78 Resp: 910191



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 4.533 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VR026140.D

Acq: 18 Oct 2018 18:26

Instrument :

MSVOA_R

ClientSampleId :

VSTD00595

Tgt Ion: 95 Resp: 220871

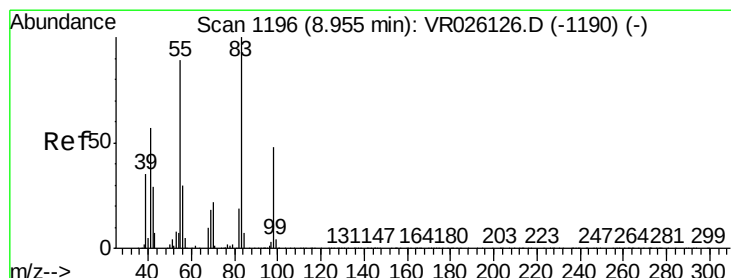
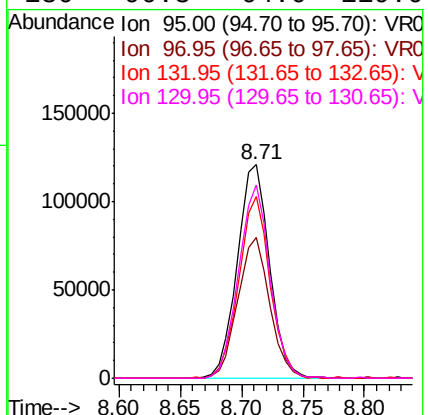
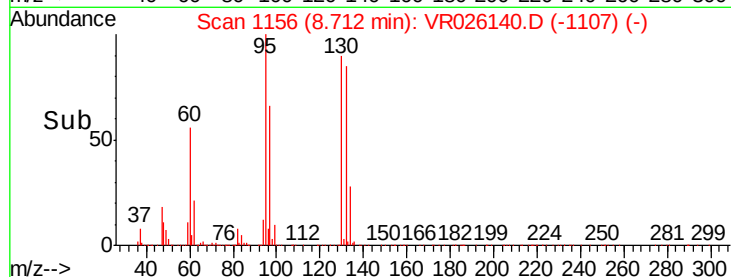
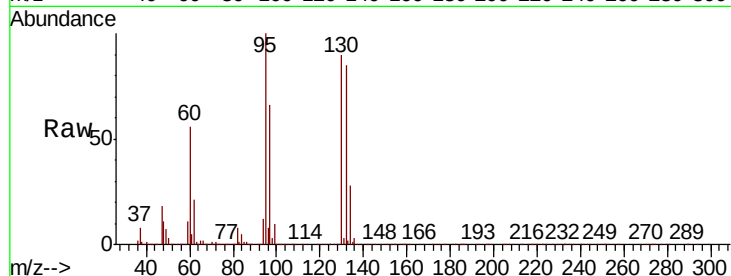
Ion Ratio Lower Upper

95 100

97 66.1 45.7 84.9

132 85.0 58.3 108.3

130 90.3 64.0 119.0



#35

Methylcyclohexane

Concen: 4.790 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. -0.00 min

Lab File: VR026140.D

Acq: 18 Oct 2018 18:26

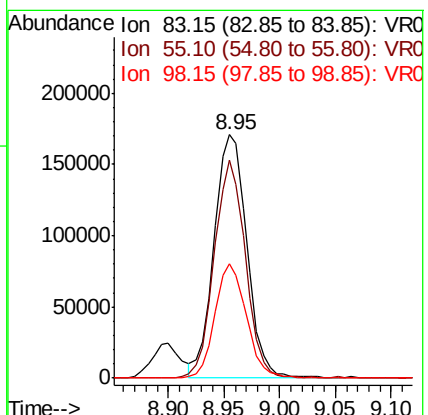
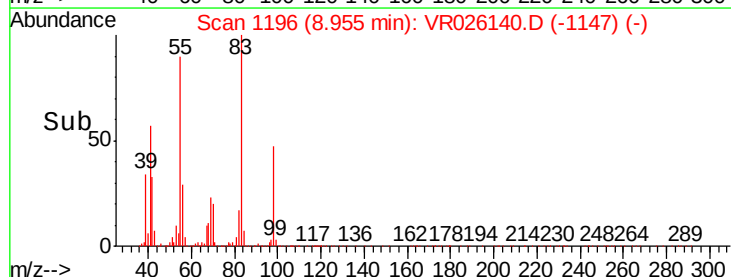
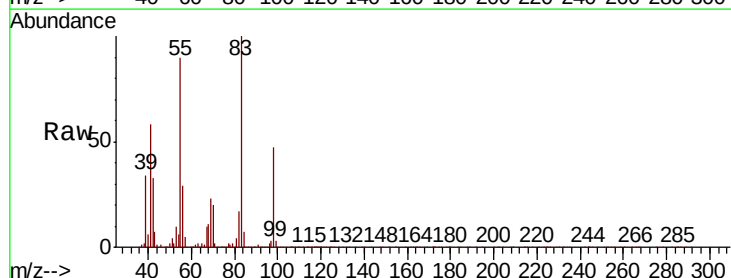
Tgt Ion: 83 Resp: 347495

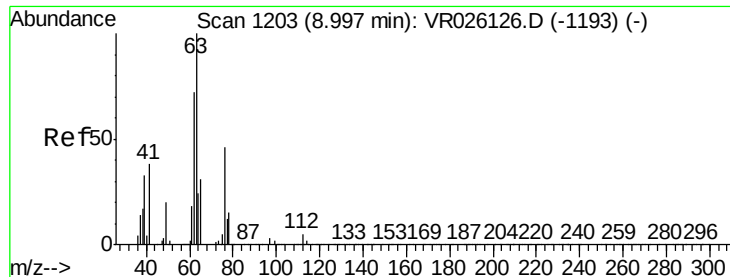
Ion Ratio Lower Upper

83 100

55 85.0 66.8 100.2

98 45.1 35.2 52.8

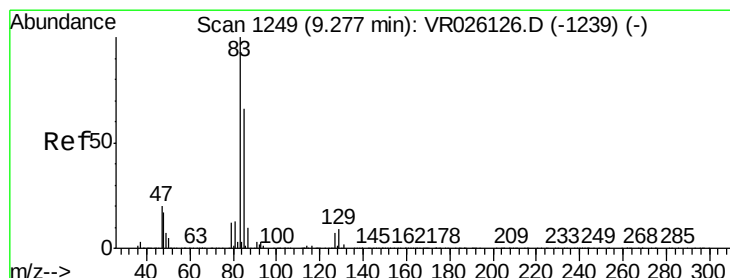
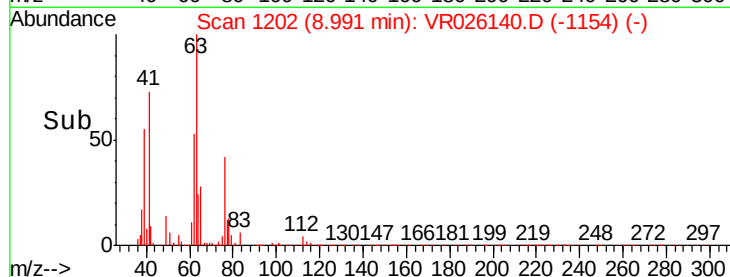
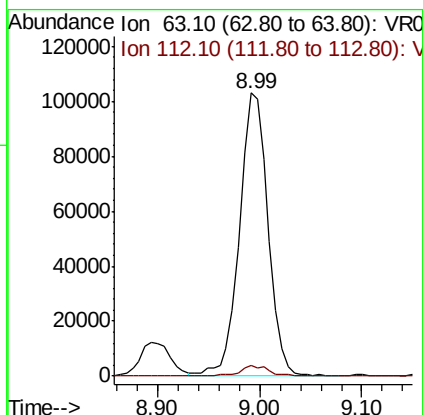
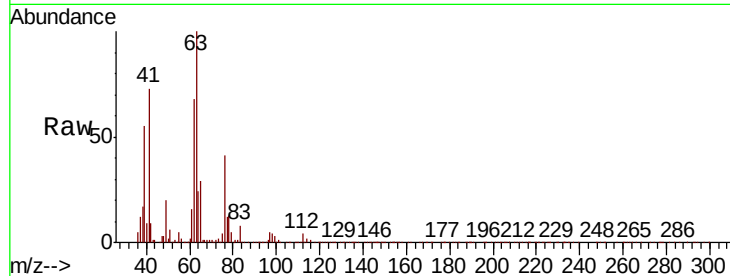




#37
 1,2-Dichloropropane
 Concen: 4.939 ug/L
 RT: 8.99 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: VR026140.D
 Acq: 18 Oct 2018 18:26

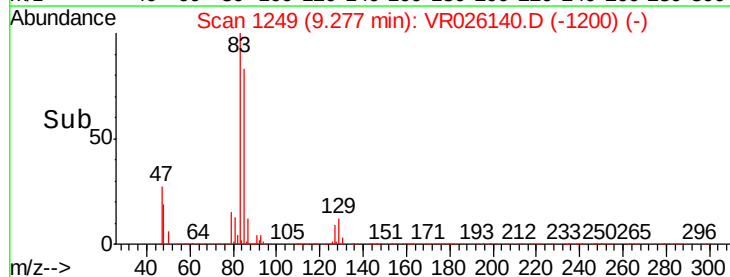
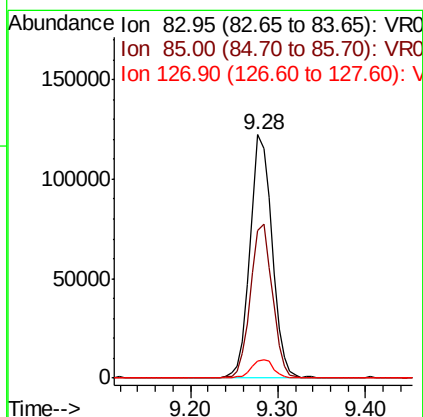
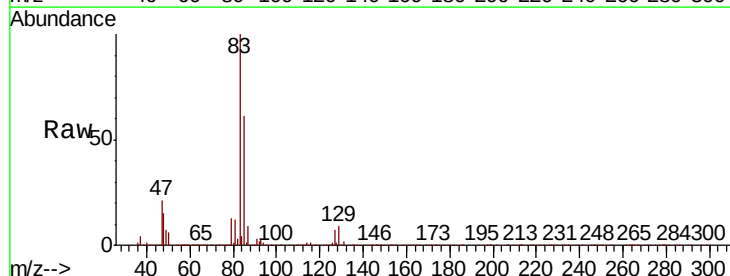
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00595

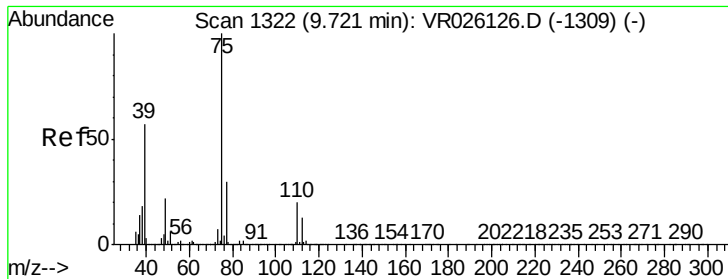
Tgt Ion: 63 Resp: 198395
 Ion Ratio Lower Upper
 63 100
 112 3.8 2.7 4.1



#38
 Bromodichloromethane
 Concen: 4.922 ug/L
 RT: 9.28 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VR026140.D
 Acq: 18 Oct 2018 18:26

Tgt Ion: 83 Resp: 212637
 Ion Ratio Lower Upper
 83 100
 85 60.8 43.5 80.7
 127 6.9 7.0 10.6#

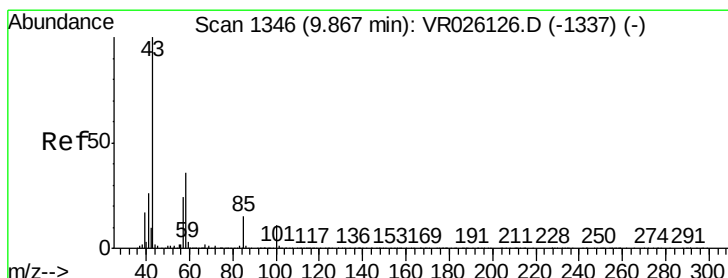
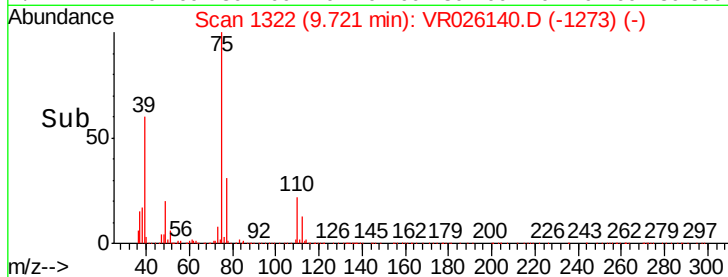
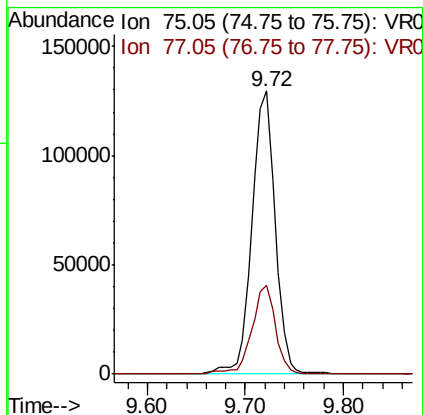
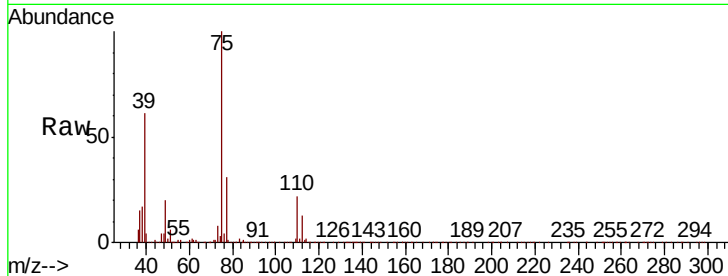




#39
 cis-1,3-Dichloropropene
 Concen: 4.663 ug/L
 RT: 9.72 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VR026140.D
 Acq: 18 Oct 2018 18:26

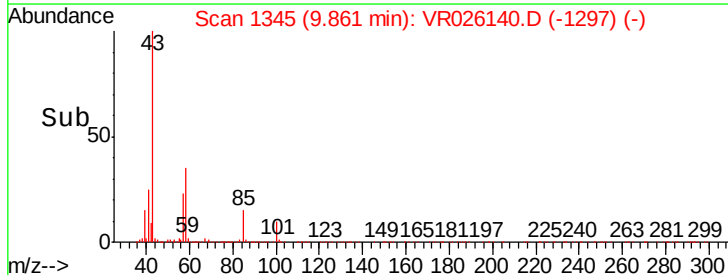
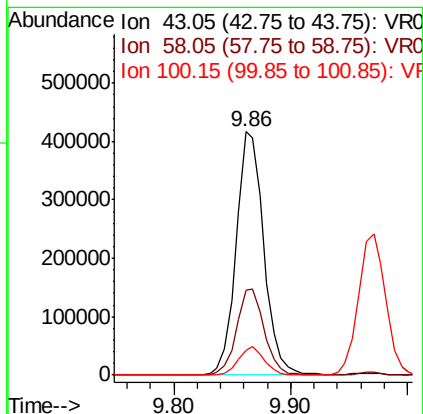
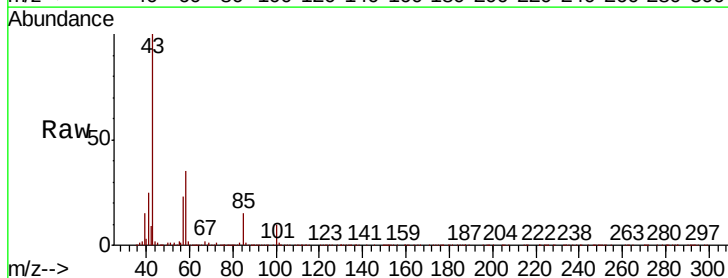
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00595

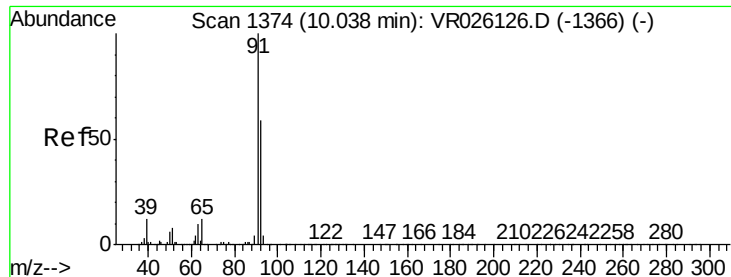
Tgt Ion: 75 Resp: 214363
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 56.288 ug/L
 RT: 9.86 min Scan# 1345
 Delta R.T. -0.01 min
 Lab File: VR026140.D
 Acq: 18 Oct 2018 18:26

Tgt Ion: 43 Resp: 690487
 Ion Ratio Lower Upper
 43 100
 58 35.2 28.1 42.1
 100 11.1 9.3 13.9





#42

Toluene

Concen: 4.867 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. -0.00 min

Lab File: VR026140.D

Acq: 18 Oct 2018 18:26

Instrument :

MSVOA_R

ClientSampleId :

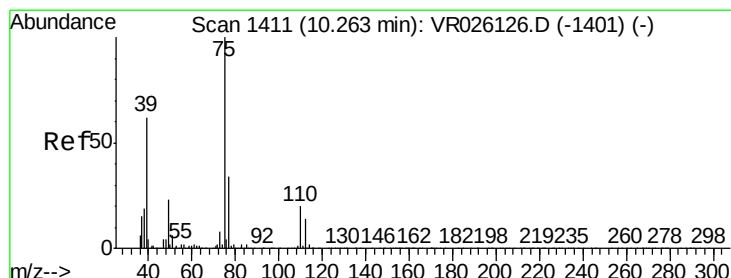
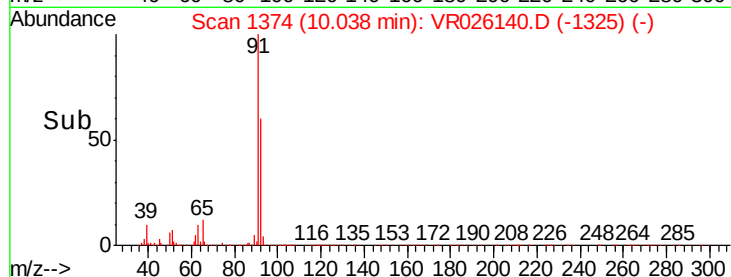
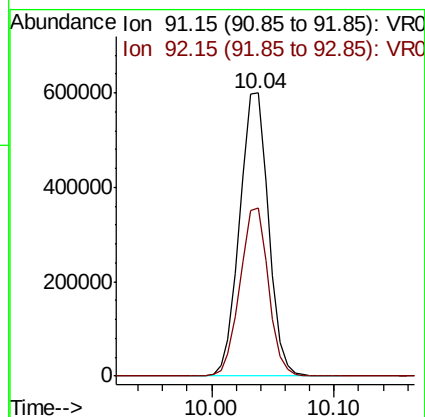
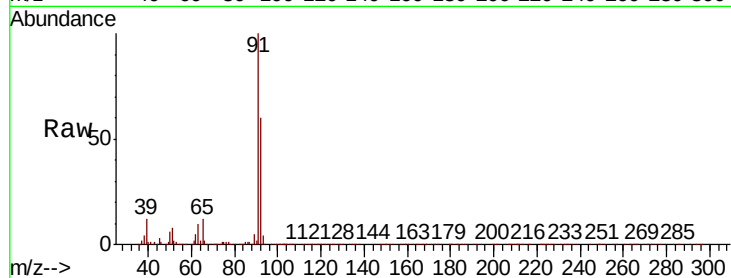
VSTD00595

Tgt Ion: 91 Resp: 977962

Ion Ratio Lower Upper

91 100

92 59.6 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 4.609 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR026140.D

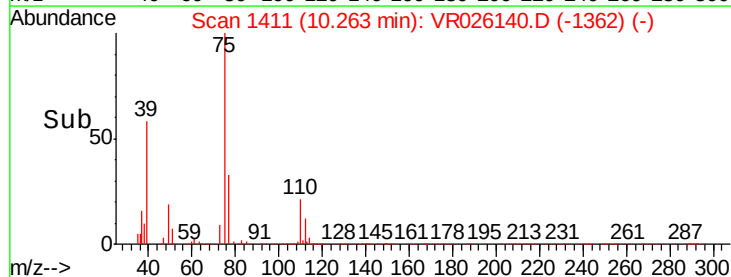
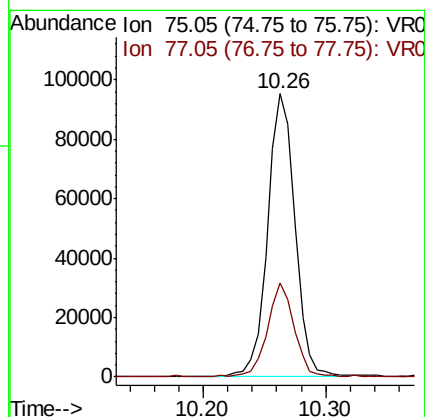
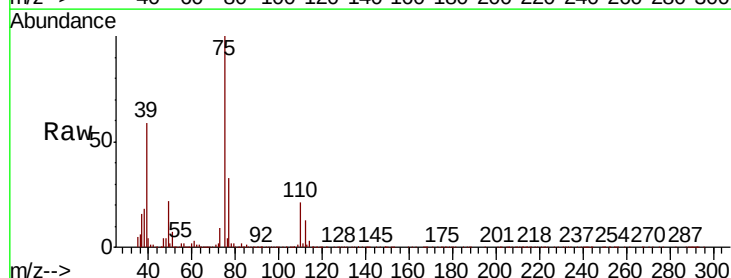
Acq: 18 Oct 2018 18:26

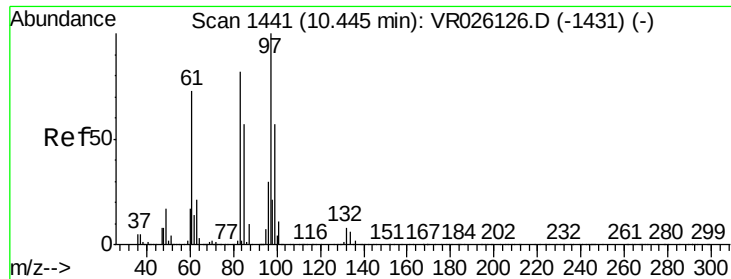
Tgt Ion: 75 Resp: 148050

Ion Ratio Lower Upper

75 100

77 33.4 24.1 44.7

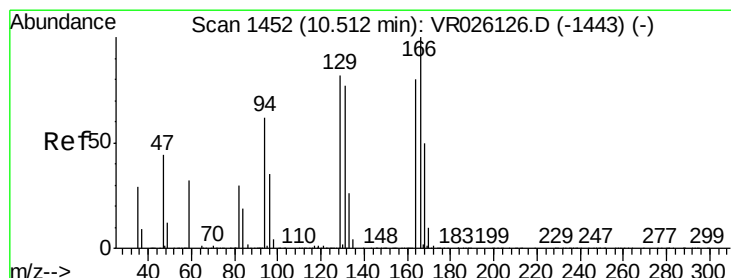
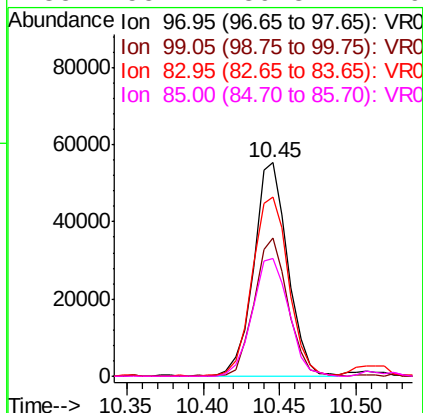
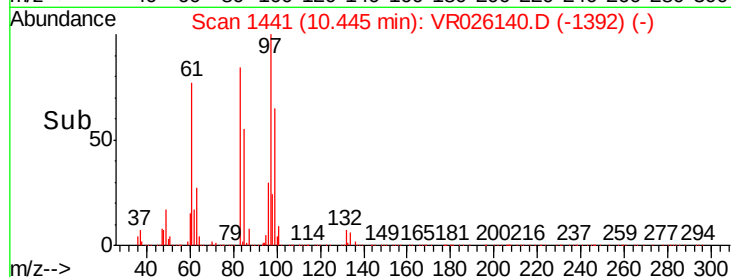
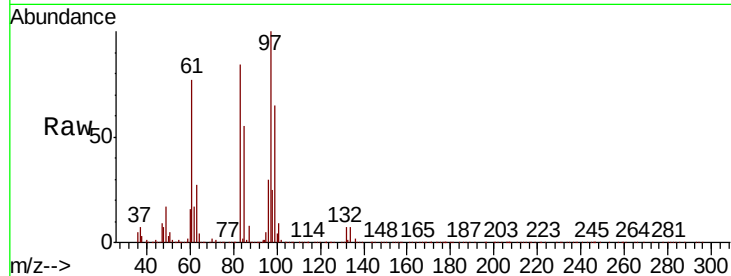




#45
 1,1,2-Trichloroethane
 Concen: 5.020 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VR026140.D
 Acq: 18 Oct 2018 18:26

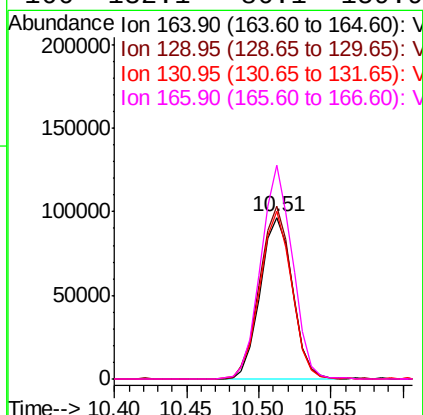
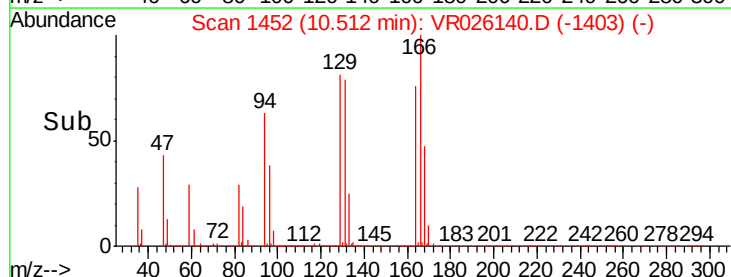
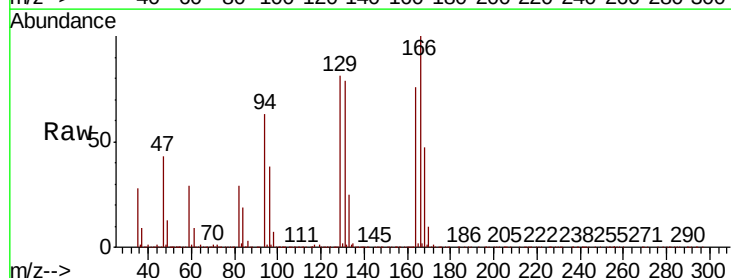
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00595

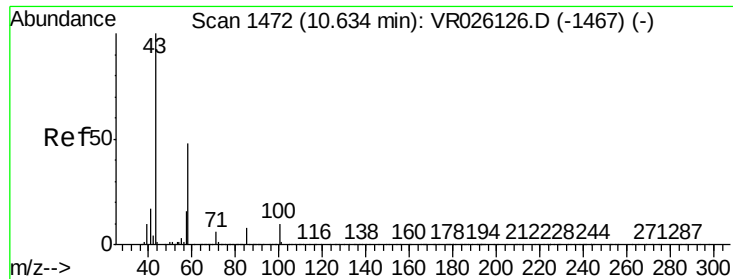
Tgt Ion:	97	Resp:	85047
Ion	Ratio	Lower	Upper
97	100		
99	65.0	42.8	79.4
83	84.2	61.9	114.9
85	55.4	39.3	72.9



#47
 Tetrachloroethene
 Concen: 4.286 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: VR026140.D
 Acq: 18 Oct 2018 18:26

Tgt Ion:	164	Resp:	149148
Ion	Ratio	Lower	Upper
164	100		
129	106.9	70.3	130.5
131	103.8	67.3	125.1
166	132.1	86.1	159.9

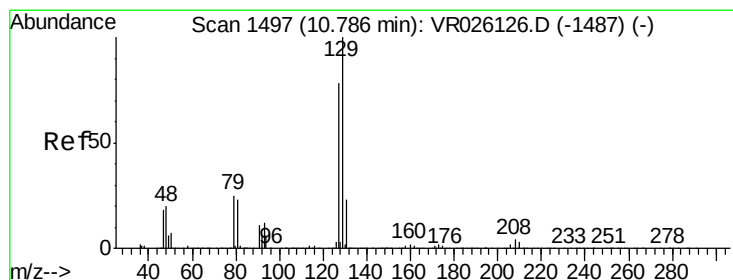
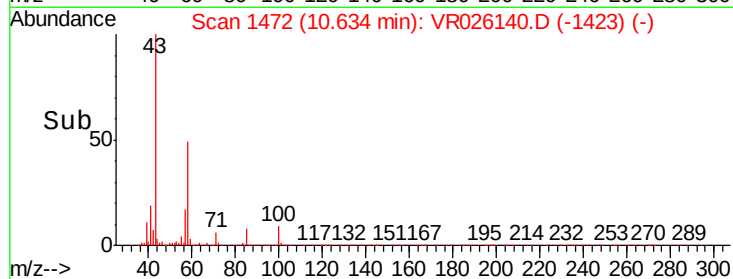
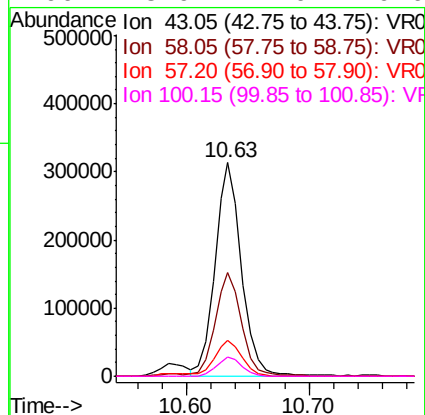
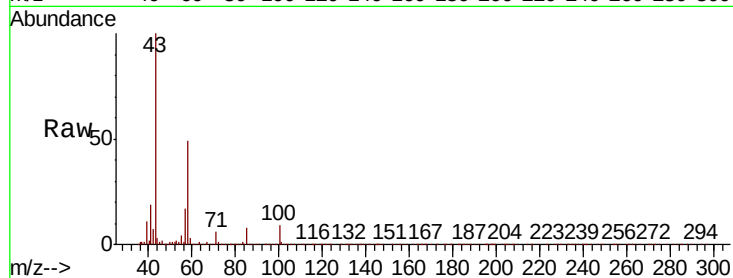




#48
2-Hexanone
Concen: 58.224 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR026140.D
Acq: 18 Oct 2018 18:26

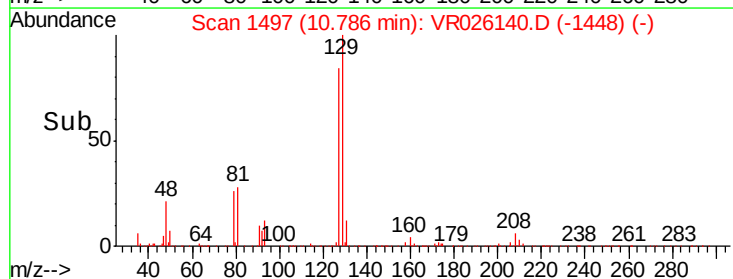
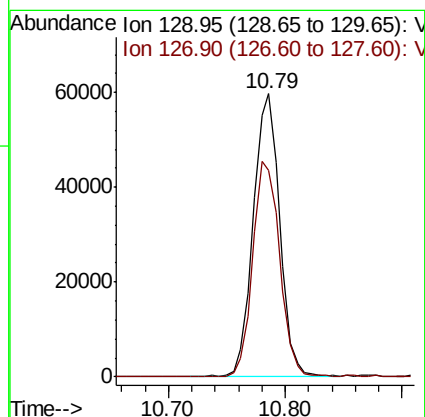
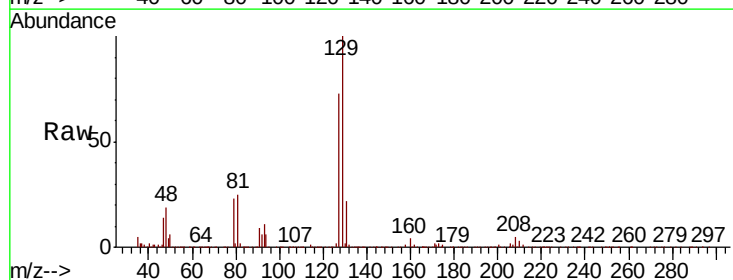
Instrument :
MSVOA_R
ClientSampleId :
VSTD00595

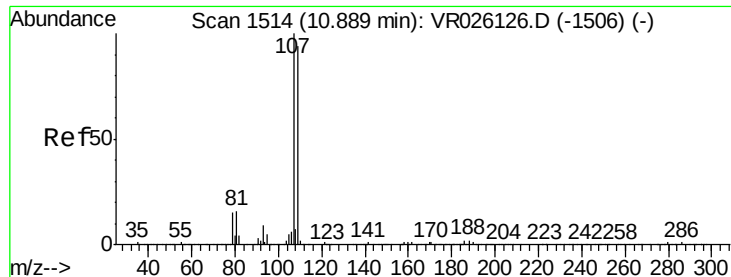
Tgt Ion:	43	Resp:	466491
Ion	Ratio	Lower	Upper
43	100		
58	50.2	39.6	59.4
57	17.4	14.0	21.0
100	8.9	7.0	10.6



#49
Dibromochloromethane
Concen: 4.958 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VR026140.D
Acq: 18 Oct 2018 18:26

Tgt Ion:	129	Resp:	94531
Ion	Ratio	Lower	Upper
129	100		
127	72.9	55.0	102.2

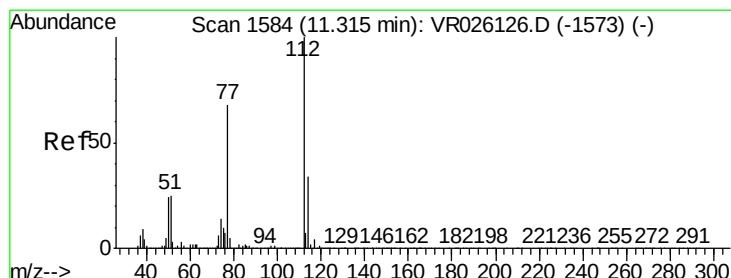
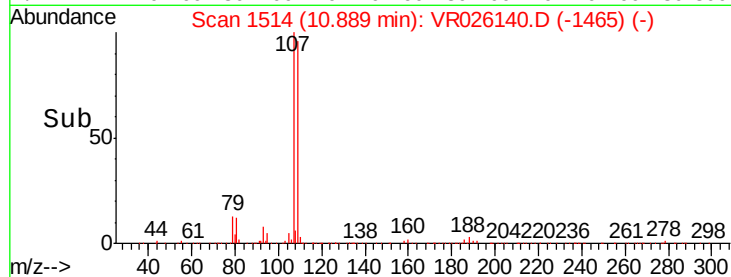
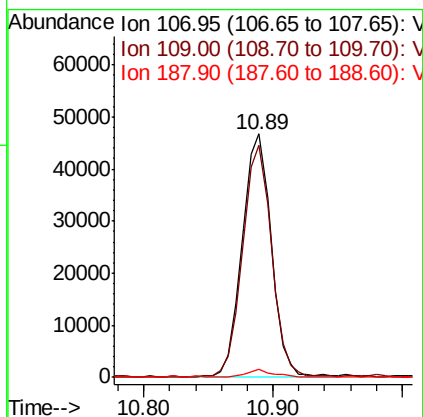
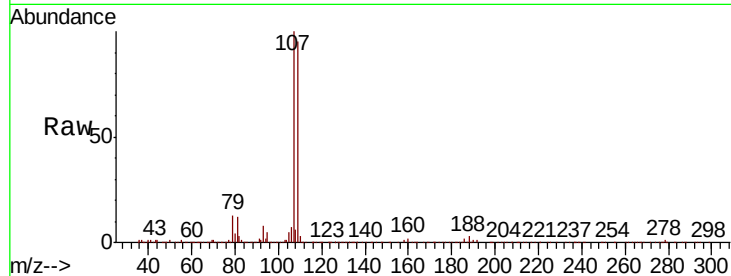




#50
1,2-Dibromoethane
Concen: 4.993 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VR026140.D
Acq: 18 Oct 2018 18:26

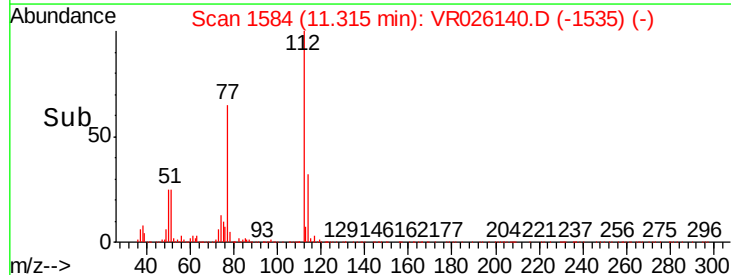
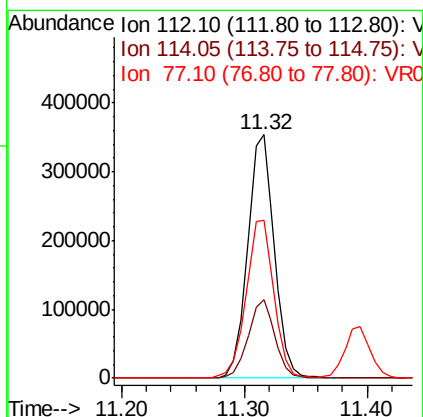
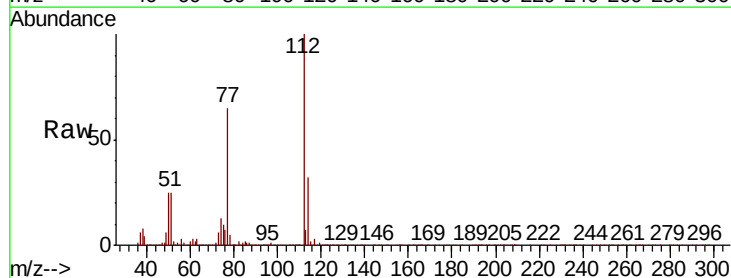
Instrument :
MSVOA_R
ClientSampleId :
VSTD00595

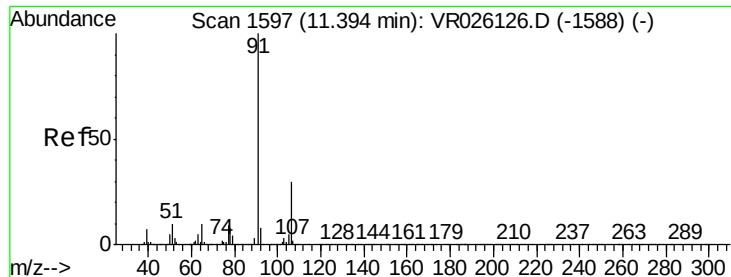
Tgt Ion:107 Resp: 73081
Ion Ratio Lower Upper
107 100
109 95.3 58.7 109.1
188 3.2 2.9 4.3



#51
Chlorobenzene
Concen: 4.803 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VR026140.D
Acq: 18 Oct 2018 18:26

Tgt Ion:112 Resp: 534247
Ion Ratio Lower Upper
112 100
114 32.4 22.8 42.4
77 64.7 51.5 77.3





#52

Ethylbenzene

Concen: 4.973 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR026140.D

Acq: 18 Oct 2018 18:26

Instrument :

MSVOA_R

ClientSampleId :

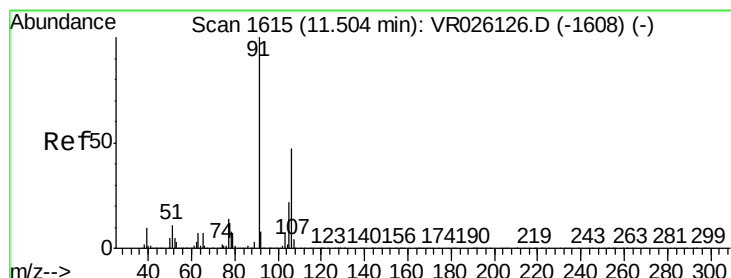
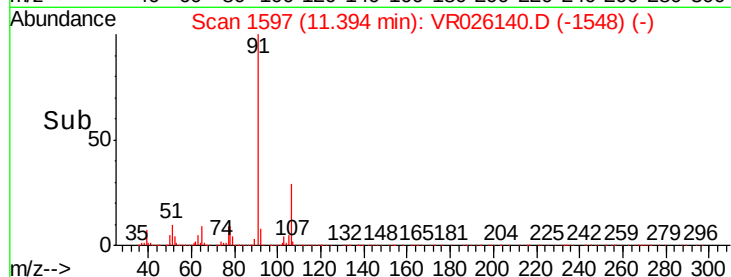
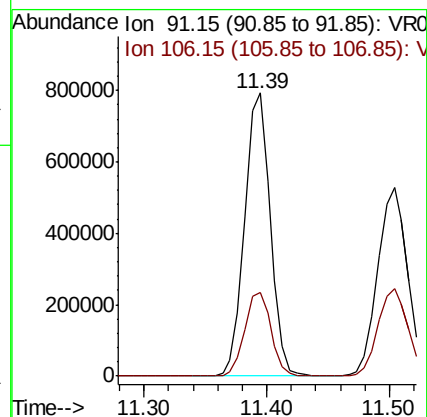
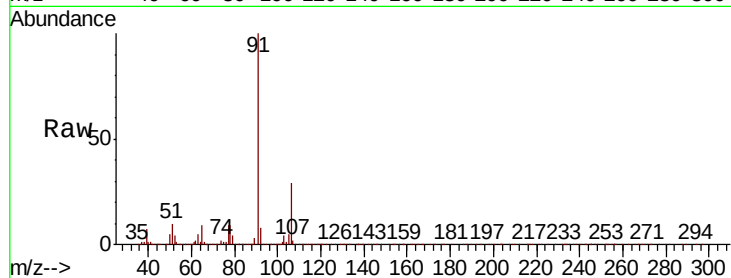
VSTD00595

Tgt Ion: 91 Resp: 1149097

Ion Ratio Lower Upper

91 100

106 29.5 21.2 39.4



#53

m,p-Xylene

Concen: 4.917 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR026140.D

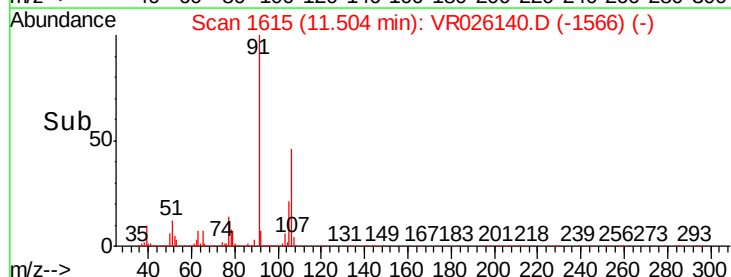
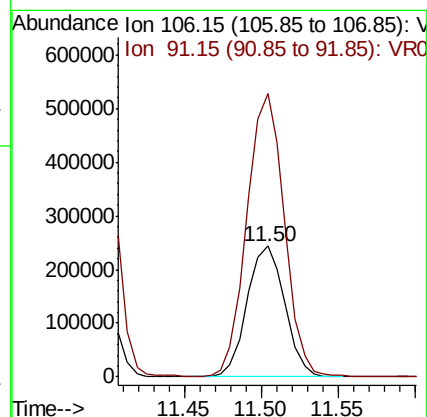
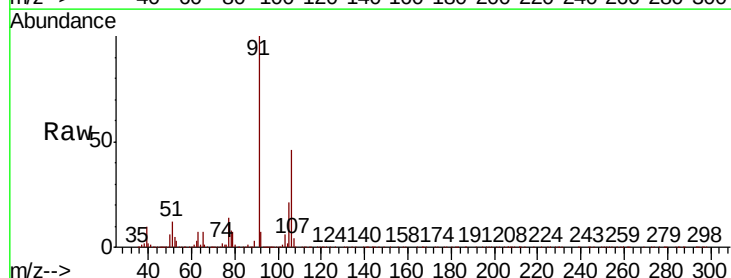
Acq: 18 Oct 2018 18:26

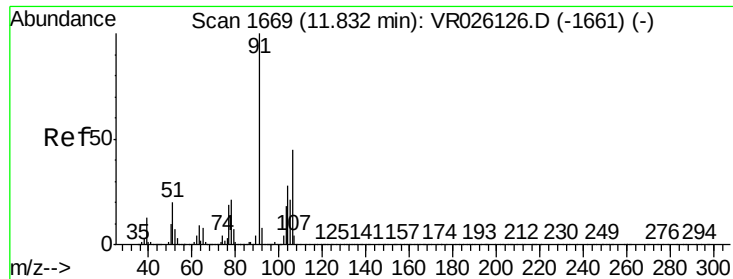
Tgt Ion: 106 Resp: 413934

Ion Ratio Lower Upper

106 100

91 216.2 145.3 269.8

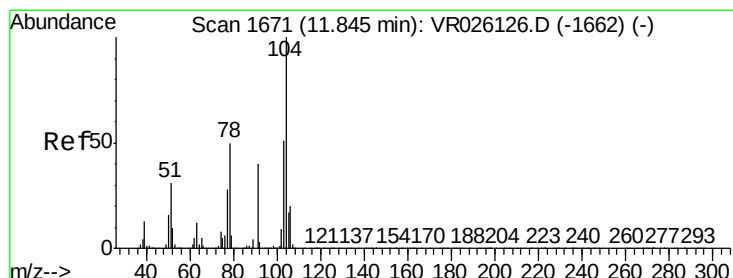
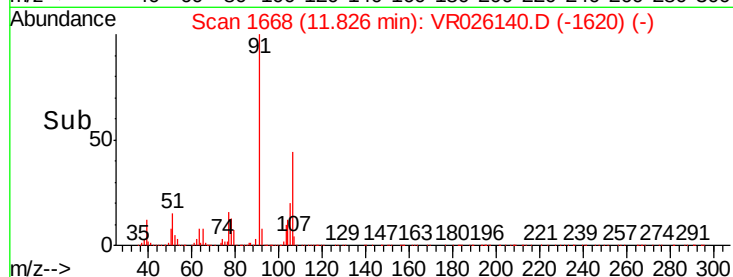
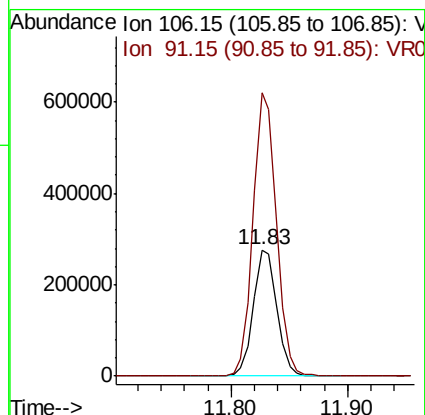
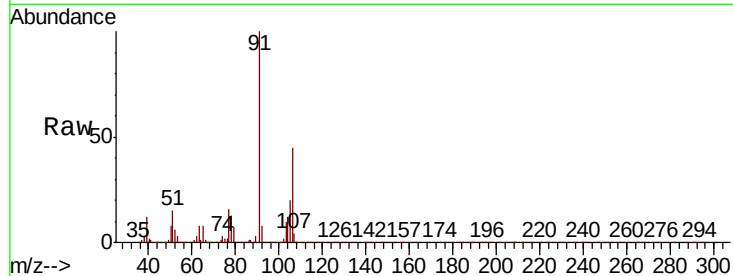




#54
o-Xylene
Concen: 5.057 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. -0.01 min
Lab File: VR026140.D
Acq: 18 Oct 2018 18:26

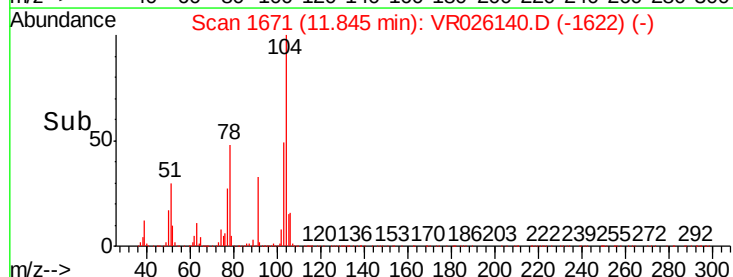
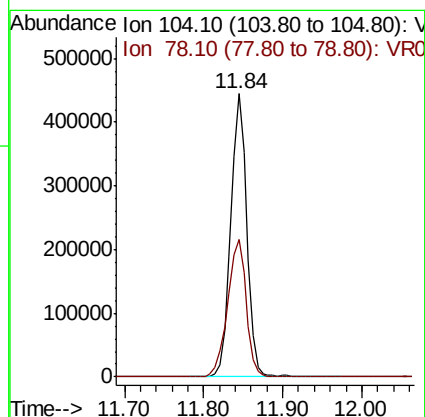
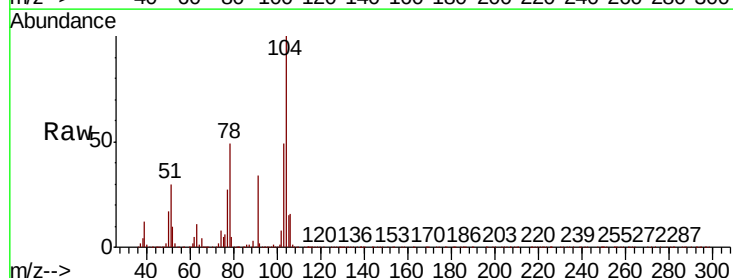
Instrument :
MSVOA_R
ClientSampleId :
VSTD00595

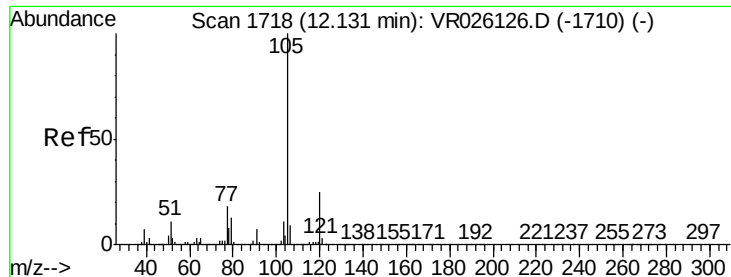
Tgt Ion:106 Resp: 390329
Ion Ratio Lower Upper
106 100
91 224.3 155.8 289.3



#55
Styrene
Concen: 5.291 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR026140.D
Acq: 18 Oct 2018 18:26

Tgt Ion:104 Resp: 628603
Ion Ratio Lower Upper
104 100
78 48.6 34.7 64.5





#56

Isopropylbenzene

Concen: 5.080 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR026140.D

Acq: 18 Oct 2018 18:26

Instrument :

MSVOA_R

ClientSampled :

VSTD00595

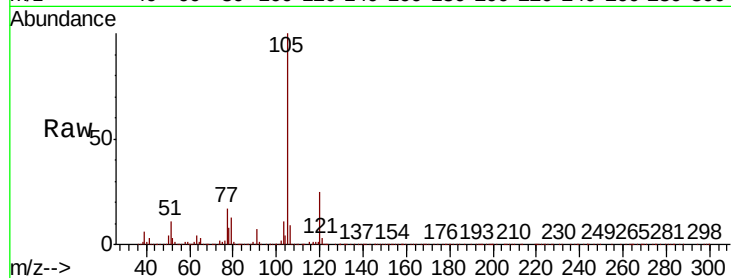
Tgt Ion: 105 Resp: 1089023

Ion Ratio Lower Upper

105 100

120 25.4 21.0 31.4

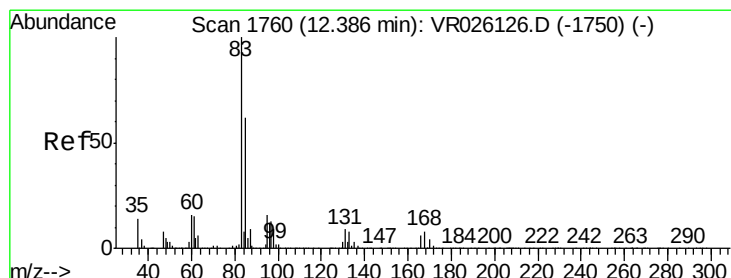
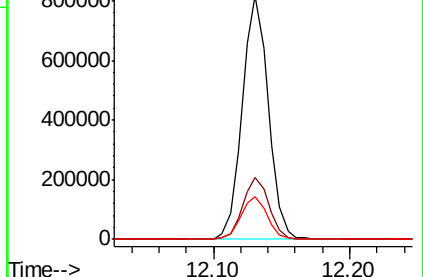
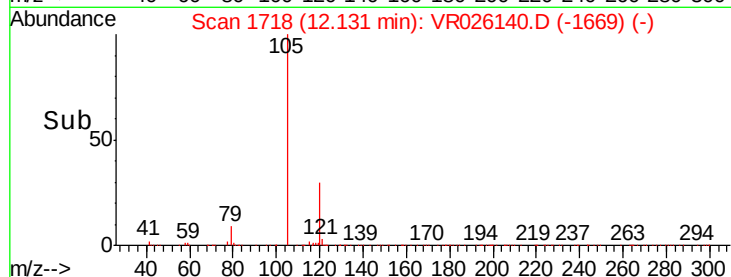
77 17.6 14.6 21.8



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): VR0



#58

1,1,2,2-Tetrachloroethane

Concen: 5.235 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. -0.00 min

Lab File: VR026140.D

Acq: 18 Oct 2018 18:26

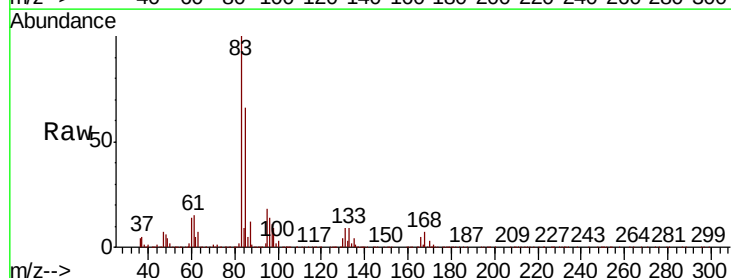
Tgt Ion: 83 Resp: 90145

Ion Ratio Lower Upper

83 100

85 66.3 44.0 81.8

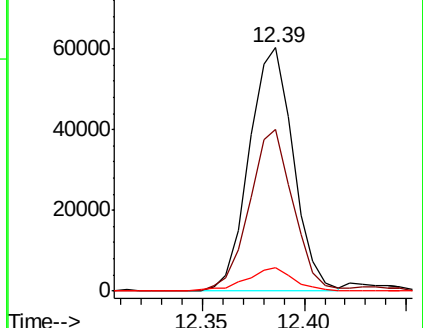
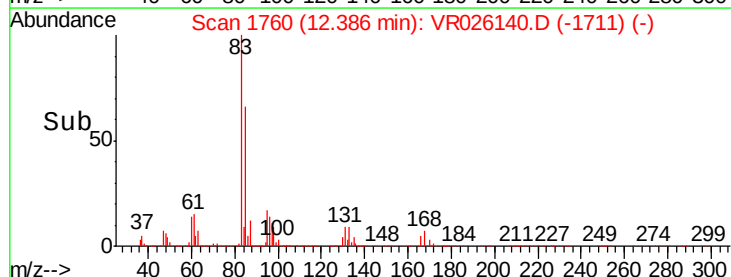
131 9.5 8.0 12.0

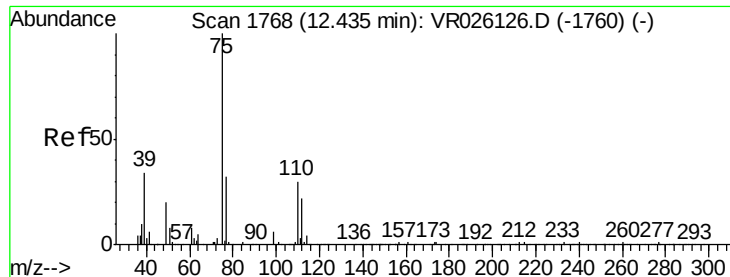


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.208 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VR026140.D

Acq: 18 Oct 2018 18:26

Instrument :

MSVOA_R

ClientSampled :

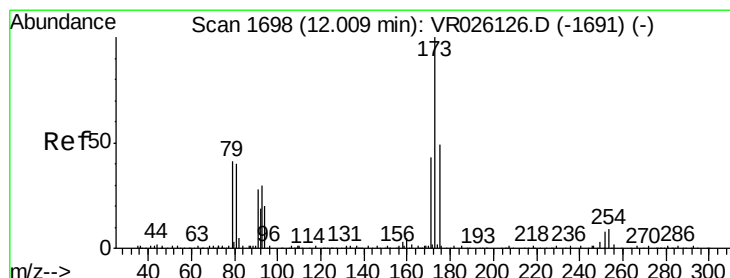
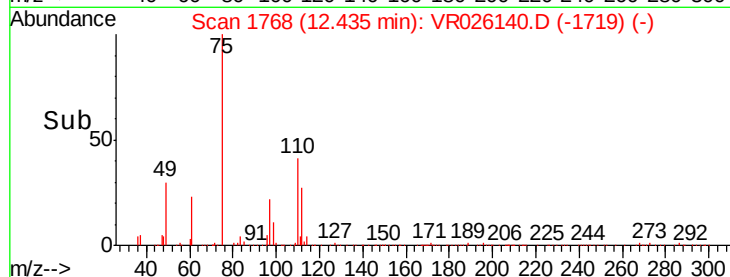
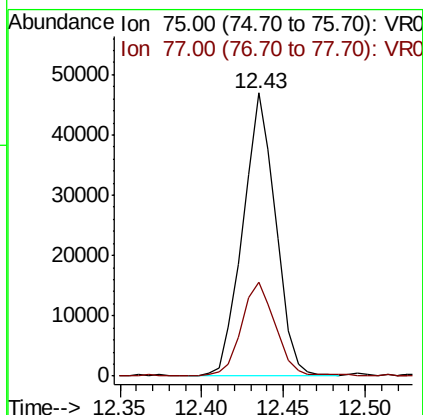
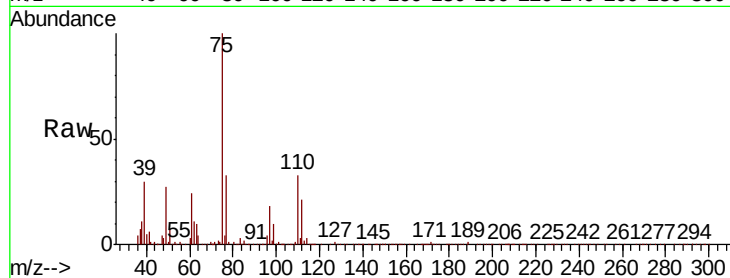
VSTD00595

Tgt Ion: 75 Resp: 65850

Ion Ratio Lower Upper

75 100

77 34.4 26.2 39.2



#61

Bromoform

Concen: 4.151 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VR026140.D

Acq: 18 Oct 2018 18:26

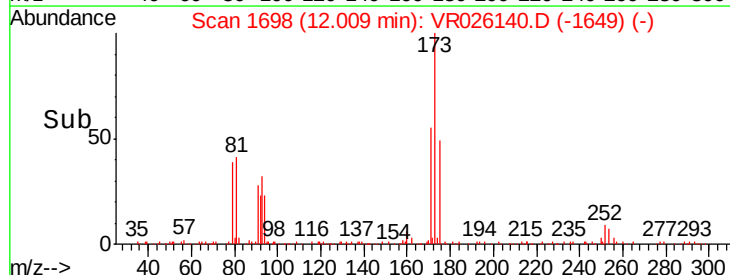
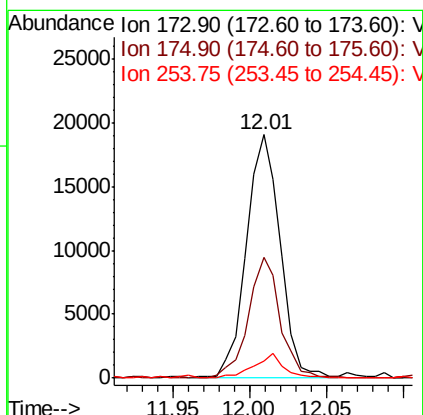
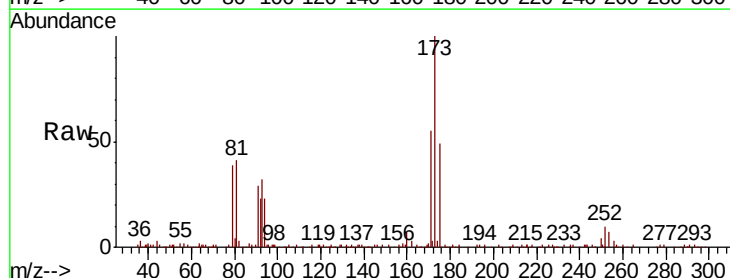
Tgt Ion: 173 Resp: 29249

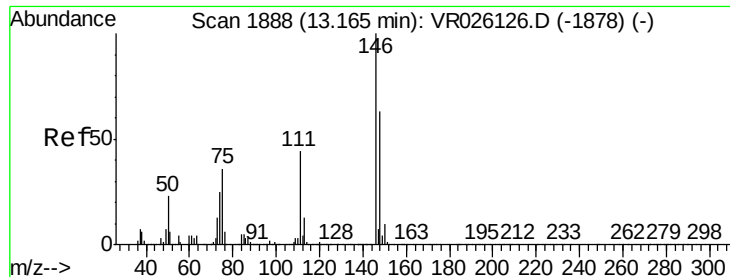
Ion Ratio Lower Upper

173 100

175 47.0 39.0 58.4

254 9.0 8.1 12.1





#62

1,3-Dichlorobenzene

Concen: 4.671 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. -0.01 min

Lab File: VR026140.D

Acq: 18 Oct 2018 18:26

Instrument :

MSVOA_R

ClientSampleId :

VSTD00595

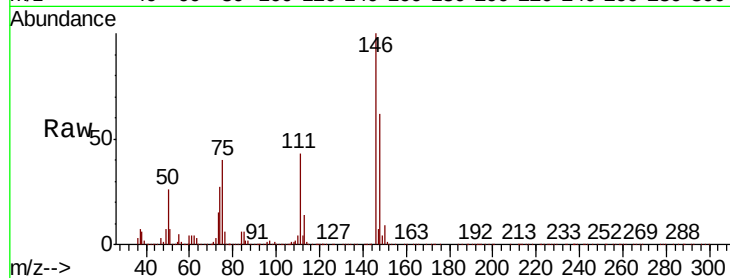
Tgt Ion:146 Resp: 314582

Ion Ratio Lower Upper

146 100

111 43.3 32.1 59.7

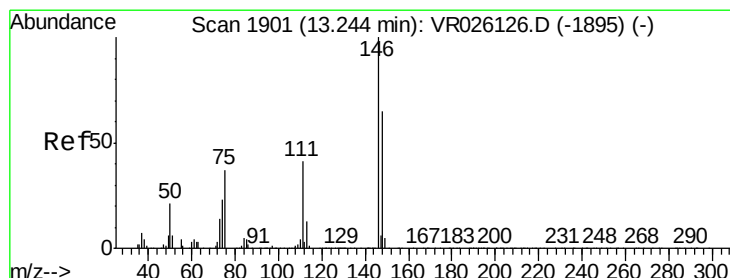
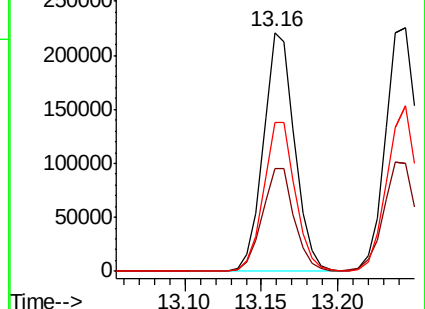
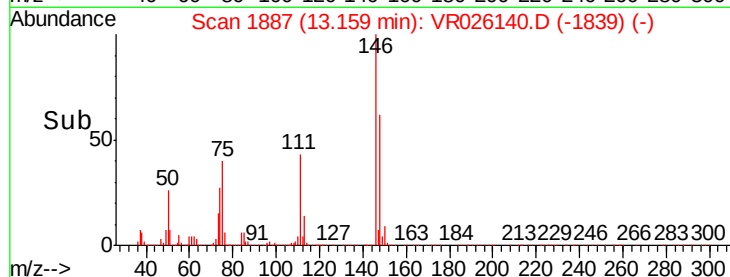
148 62.3 43.8 81.3



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: 4.705 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VR026140.D

Acq: 18 Oct 2018 18:26

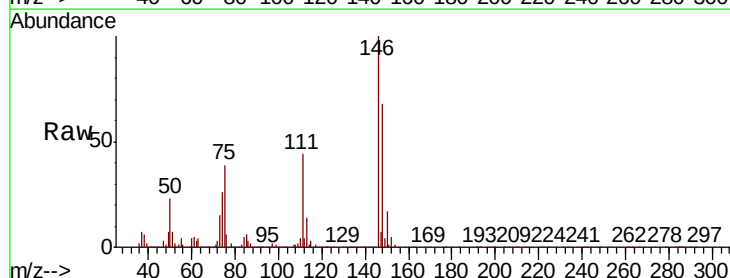
Tgt Ion:146 Resp: 328182

Ion Ratio Lower Upper

146 100

111 44.2 32.6 60.6

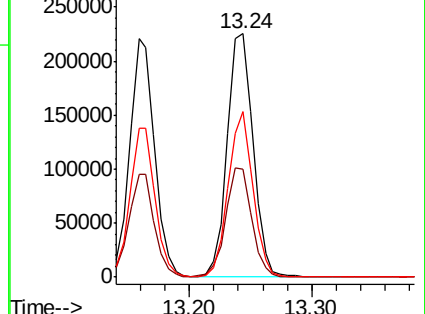
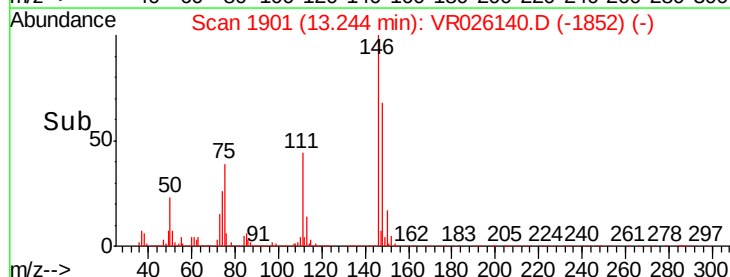
148 67.8 46.7 86.7

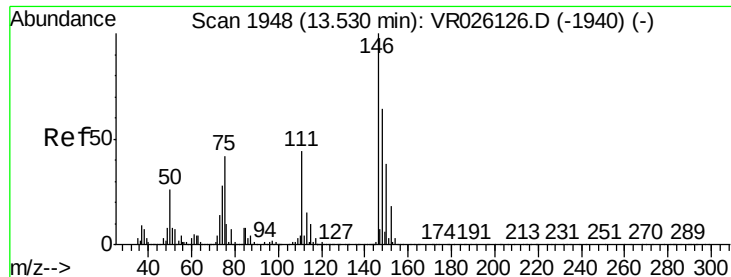


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

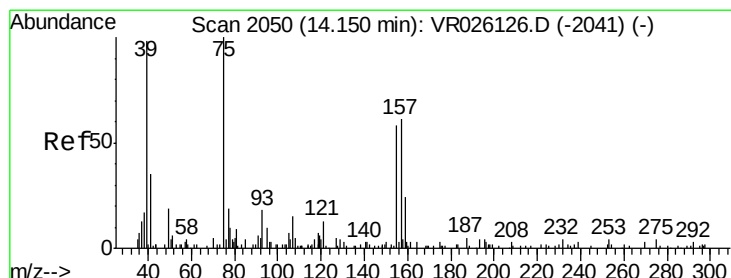
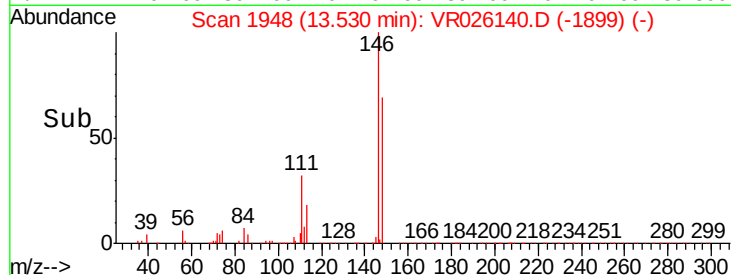
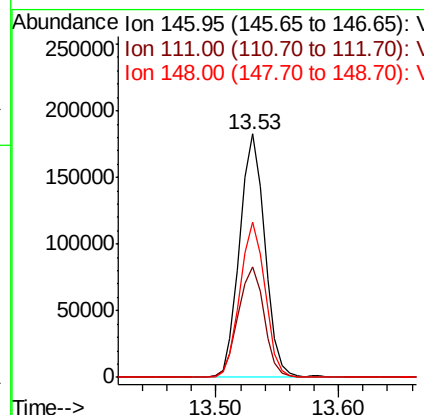
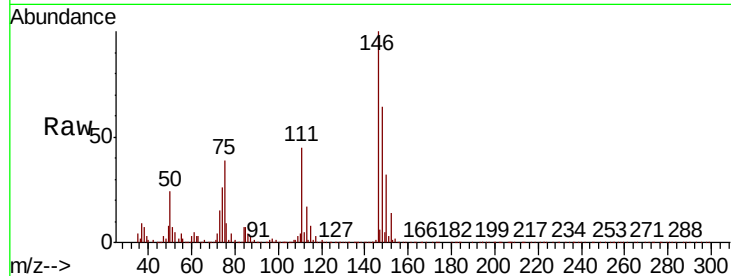




#65
 1,2-Dichlorobenzene
 Concen: 4.803 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. -0.00 min
 Lab File: VR026140.D
 Acq: 18 Oct 2018 18:26

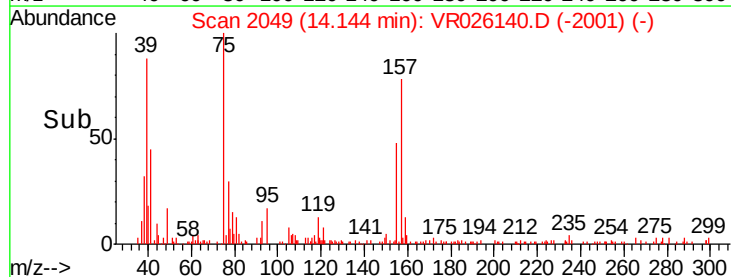
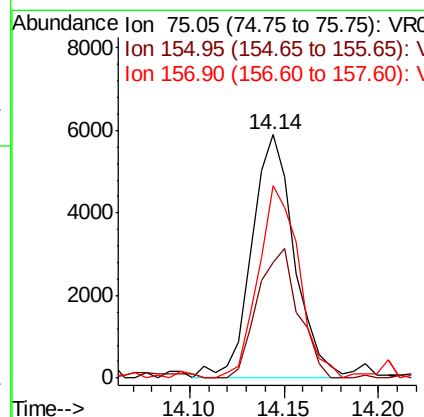
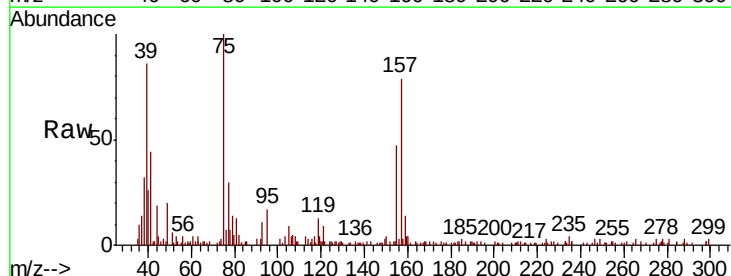
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00595

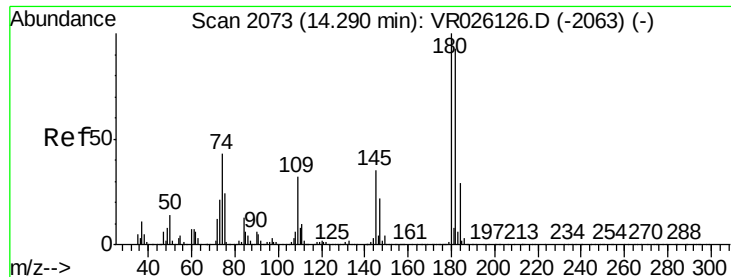
Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.5	35.2	52.8
148	63.9	51.2	76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.191 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.01 min
 Lab File: VR026140.D
 Acq: 18 Oct 2018 18:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	47.4	40.9	61.3
157	79.0	67.3	100.9

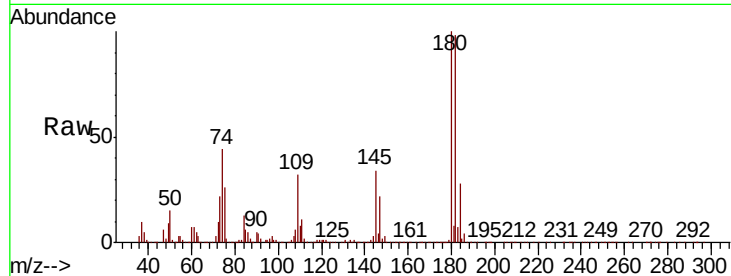




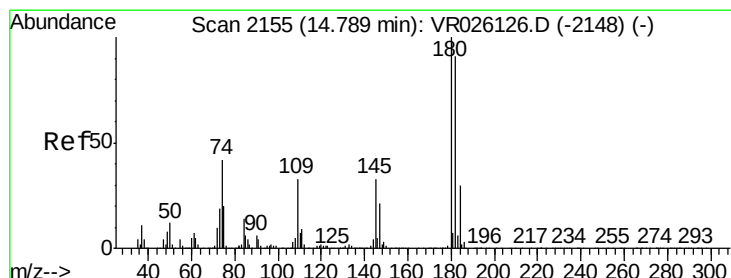
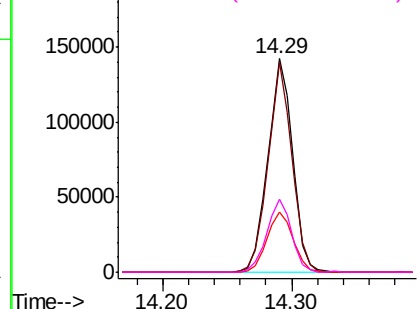
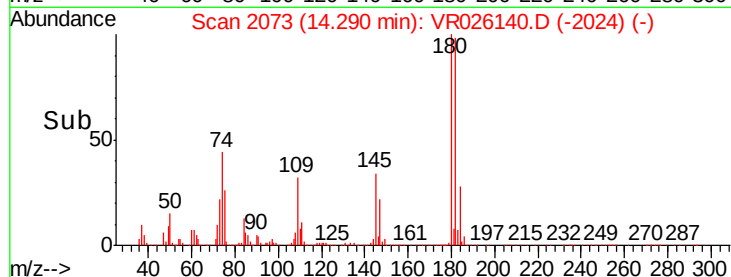
#67
 1,3,5-Trichlorobenzene
 Concen: 4.592 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR026140.D
 Acq: 18 Oct 2018 18:26

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00595

Tgt Ion:	180	Resp:	188454
Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.5	116.3
184	30.1	25.0	37.4
145	34.2	27.6	41.4

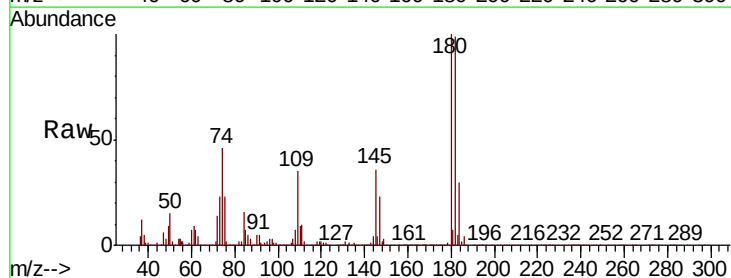


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

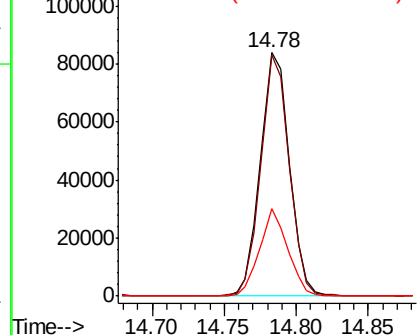
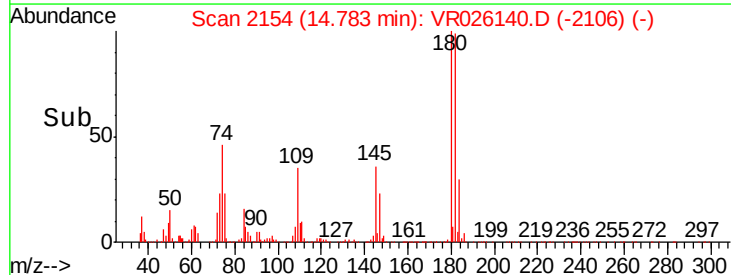


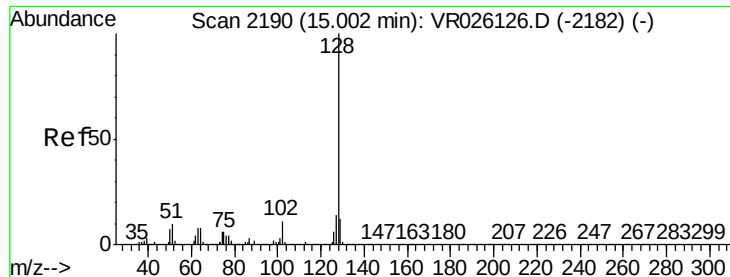
#68
 1,2,4-trichlorobenzene
 Concen: 4.855 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.01 min
 Lab File: VR026140.D
 Acq: 18 Oct 2018 18:26

Tgt Ion:	180	Resp:	116291
Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.1	114.1
145	34.9	28.2	42.4



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: 5.260 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR026140.D

Acq: 18 Oct 2018 18:26

Instrument :

MSVOA_R

ClientSampleId :

VSTD00595

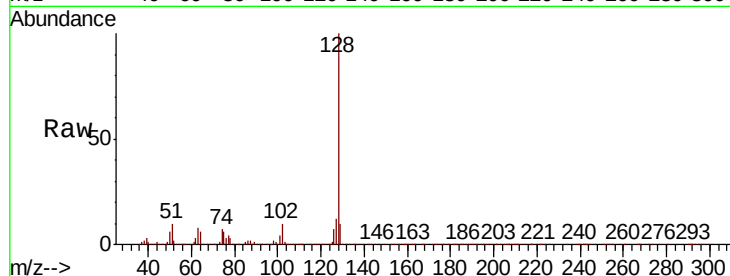
Tgt Ion:128 Resp: 122341

Ion Ratio Lower Upper

128 100

127 13.2 11.0 16.6

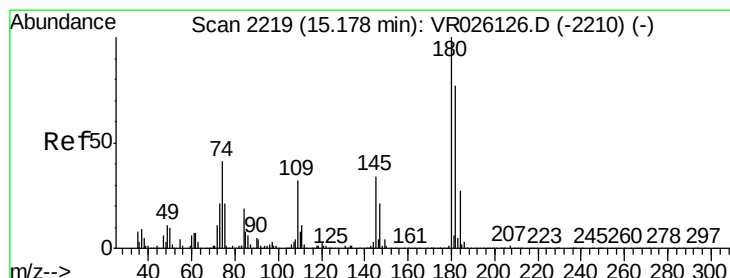
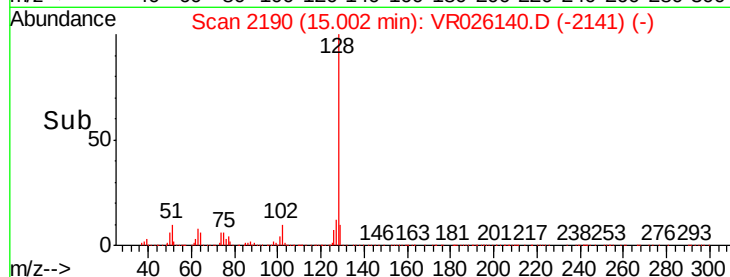
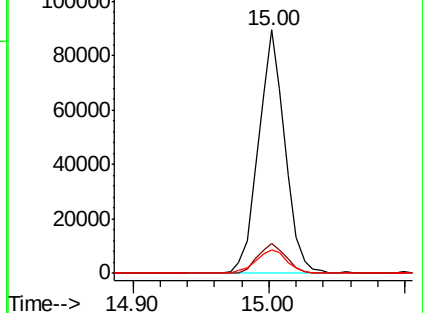
129 11.4 9.1 13.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.154 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VR026140.D

Acq: 18 Oct 2018 18:26

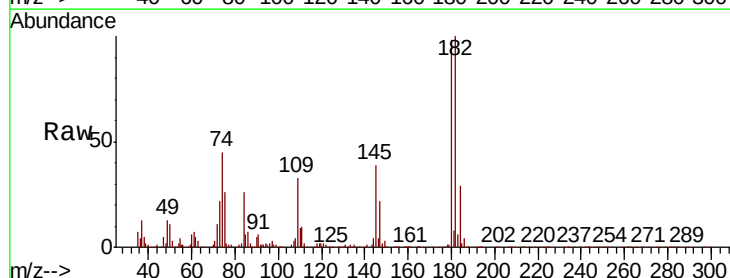
Tgt Ion:180 Resp: 85746

Ion Ratio Lower Upper

180 100

182 94.8 75.7 113.5

145 38.7 28.8 43.2



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

