

Data File : VR026151.D
Acq On : 19 Oct 2018 15:44
Operator : SY/MD
Sample : MDL
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VHBLK01

Quant Time: Oct 20 02:00:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 20 01:53:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	558377	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	476850	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	154603	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	181019	3.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.00%
7) Chloroethane-d5	2.63	69	183850	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.60%
11) 1,1-Dichloroethene-d2	3.61	63	360438	3.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.00%
20) 2-Butanone-d5	6.59	46	226327	56.41	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.82%
24) Chloroform-d	7.20	84	335774	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
26) 1,2-Dichloroethane-d4	7.90	65	144987	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
32) Benzene-d6	7.85	84	650941	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.00%
36) 1,2-Dichloropropane-d6	8.90	67	188438	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.20%
41) Toluene-d8	9.97	98	561263	3.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.60%
43) trans-1,3-Dichloropropene-	10.24	79	38668	3.73	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.60%
46) 2-Hexanone-d5	10.59	63	180849	60.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.72%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	76525	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.60%
64) 1,2-Dichlorobenzene-d4	13.52	152	117789	4.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	7692	0.205 ug/L	97
3) Chloromethane	2.01	50	18195	0.305 ug/L	99
5) Vinyl chloride	2.15	62	17979	0.303 ug/L	99
6) Bromomethane	2.52	94	11370	0.290 ug/L	89
9) Trichlorofluoromethane	2.93	101	10888	0.127 ug/L #	83
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	13782	0.270 ug/L	86
12) 1,1-Dichloroethene	3.63	96	19901	0.367 ug/L #	1
13) Acetone	3.70	43	14179	3.419 ug/L	68
14) Carbon disulfide	3.93	76	31687	0.223 ug/L	97
15) Methyl Acetate	4.19	43	5280	0.487 ug/L	95
16) Methylene chloride	4.41	84	18987	0.386 ug/L	94
17) Methyl tert-butyl Ether	4.88	73	12171	0.247 ug/L #	70
18) trans-1,2-Dichloroethene	4.89	96	10564	0.257 ug/L	95
19) 1,1-Dichloroethane	5.69	63	21785	0.283 ug/L	88
21) 2-Butanone	6.69	43	12093	2.527 ug/L	86
22) cis-1,2-Dichloroethene	6.67	96	10064	0.259 ug/L #	99
23) Bromochloromethane	7.05	128	3500	0.321 ug/L	73

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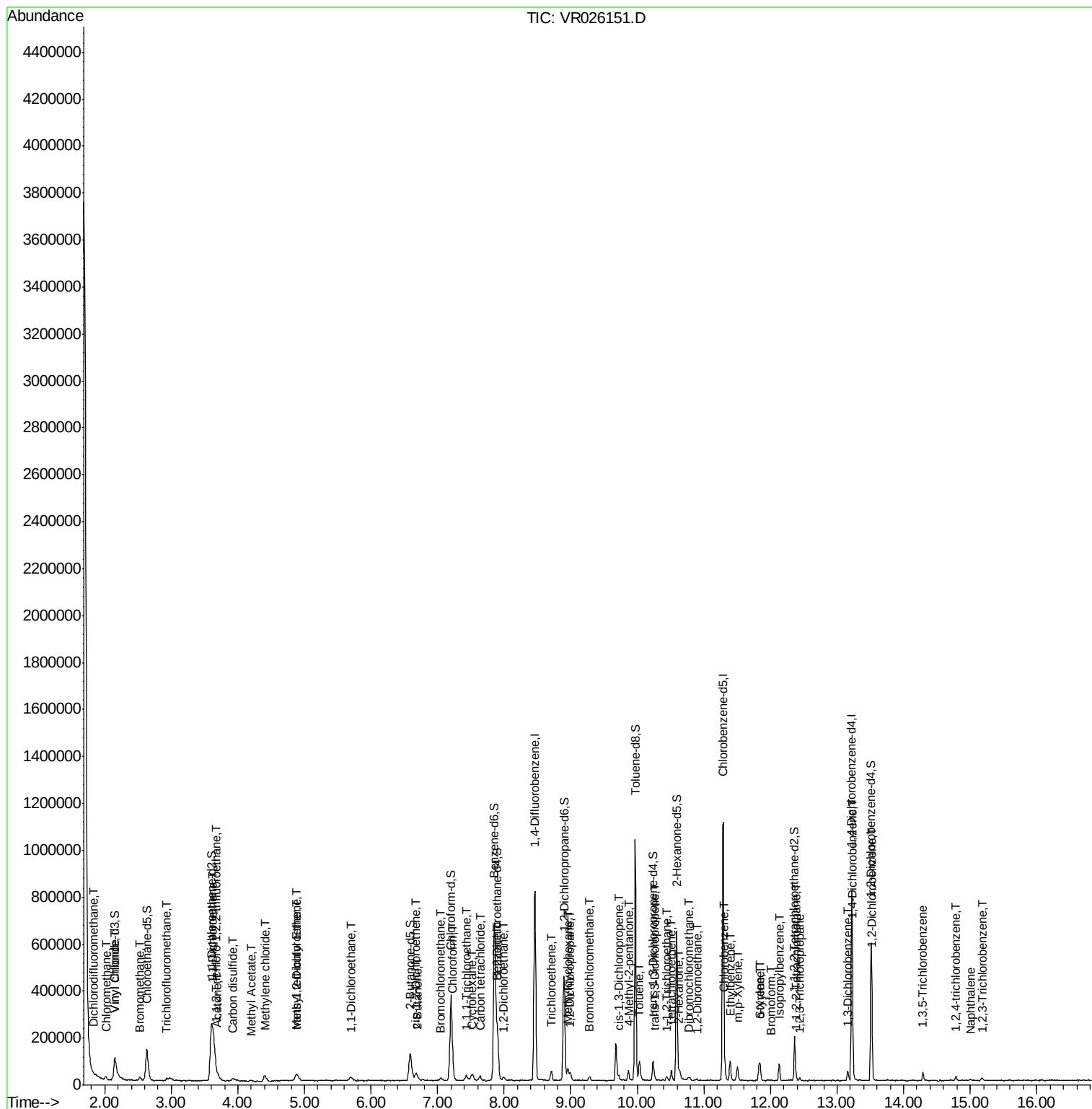
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.23	83	23139	0.308	ug/L	96
27) 1,2-Dichloroethane	7.99	62	11193	0.304	ug/L #	89
29) 1,1,1-Trichloroethane	7.43	97	17235	0.265	ug/L	99
30) Cyclohexane	7.51	56	12309	0.188	ug/L	94
31) Carbon tetrachloride	7.65	117	15616	0.264	ug/L	96
33) Benzene	7.90	78	54559	0.305	ug/L	100
34) Trichloroethene	8.71	95	12889	0.281	ug/L	82
35) Methylcyclohexane	8.96	83	14336	0.210	ug/L	90
37) 1,2-Dichloropropane	8.99	63	10484	0.278	ug/L #	94
38) Bromodichloromethane	9.28	83	10950	0.270	ug/L #	91
39) cis-1,3-Dichloropropene	9.72	75	10390	0.240	ug/L	94
40) 4-Methyl-2-pentanone	9.87	43	26887	2.332	ug/L #	91
42) Toluene	10.03	91	49070	0.260	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	8777	0.291	ug/L #	80
45) 1,1,2-Trichloroethane	10.45	97	4822	0.303	ug/L	86
47) Tetrachloroethene	10.52	164	7862	0.240	ug/L	90
48) 2-Hexanone	10.63	43	20368	2.705	ug/L #	97
49) Dibromochloromethane	10.78	129	4472	0.250	ug/L	90
50) 1,2-Dibromoethane	10.89	107	3667	0.267	ug/L	99
51) Chlorobenzene	11.32	112	28890	0.276	ug/L	96
52) Ethylbenzene	11.39	91	48842	0.225	ug/L	93
53) m,p-Xylene	11.50	106	17492	0.221	ug/L	77
54) o-Xylene	11.83	106	13960	0.192	ug/L	86
55) Styrene	11.84	104	19707	0.177	ug/L	99
56) Isopropylbenzene	12.13	105	37897	0.188	ug/L	96
58) 1,1,2,2-Tetrachloroethane	12.39	83	4314	0.267	ug/L #	81
59) 1,2,3-Trichloropropane	12.44	75	3679	0.310	ug/L	100
61) Bromoform	12.00	173	1534	0.285	ug/L #	90
62) 1,3-Dichlorobenzene	13.16	146	13038	0.254	ug/L	89
63) 1,4-Dichlorobenzene	13.24	146	15321	0.288	ug/L	86
65) 1,2-Dichlorobenzene	13.53	146	13527	0.328	ug/L	97
67) 1,3,5-Trichlorobenzene	14.29	180	8179	0.261	ug/L	97
68) 1,2,4-trichlorobenzene	14.79	180	4601	0.252	ug/L #	88
69) Naphthalene	15.00	128	3173	0.179	ug/L #	84
70) 1,2,3-Trichlorobenzene	15.18	180	2934	0.231	ug/L #	83

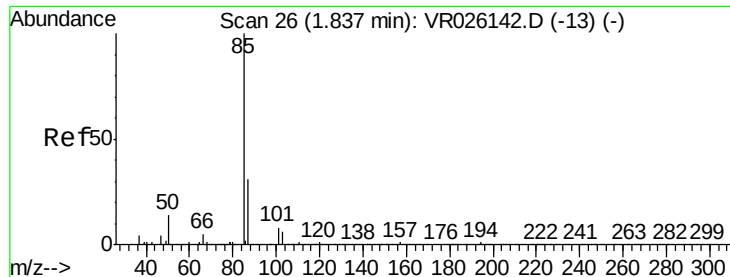
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.205 ug/L

RT: 1.83 min Scan# 24

Delta R.T. -0.01 min

Lab File: VR026151.D

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Instrument :

MSVOA_R

ClientSampleId :

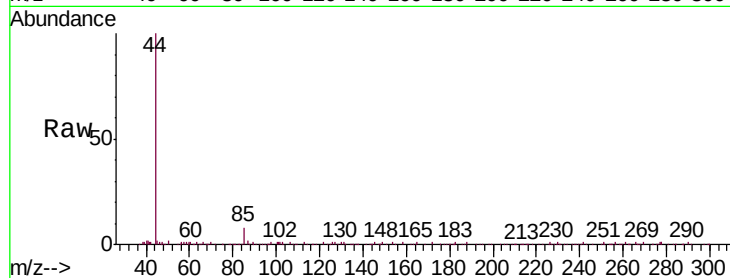
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Tgt Ion: 85 Resp: 7692

Ion Ratio Lower Upper

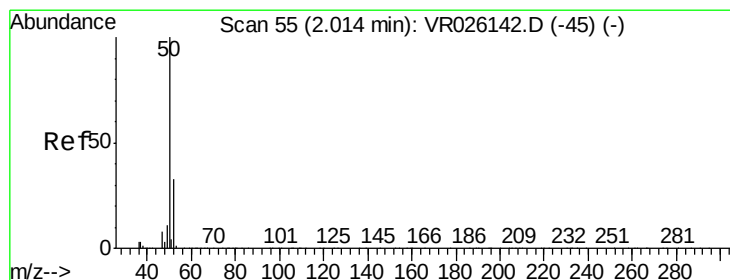
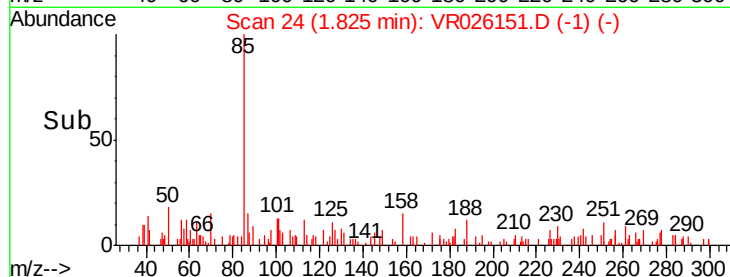
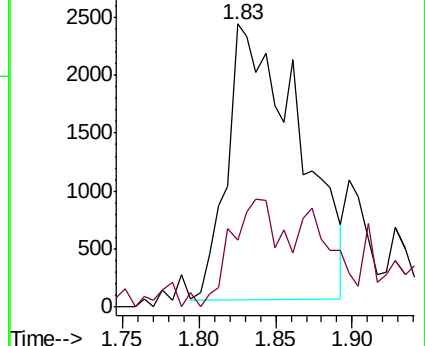
85 100

87 27.8 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: 0.305 ug/L

RT: 2.01 min Scan# 55

Delta R.T. 0.00 min

Lab File: VR026151.D

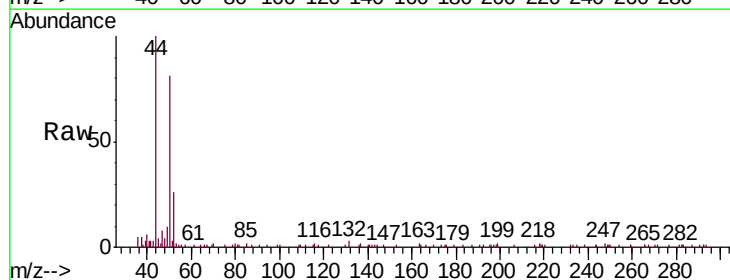
Acq: 19 Oct 2018 15:44

Tgt Ion: 50 Resp: 18195

Ion Ratio Lower Upper

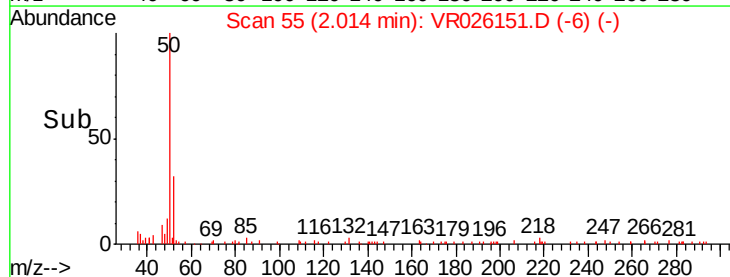
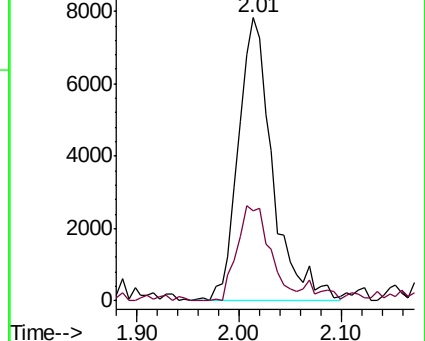
50 100

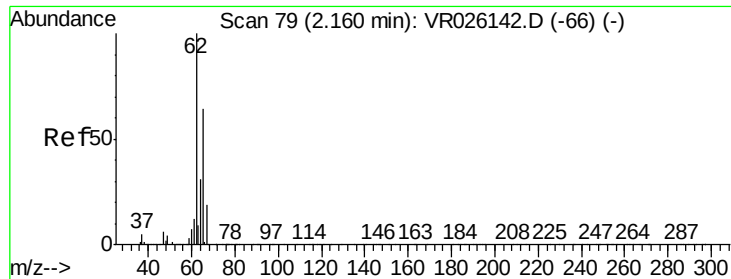
52 31.7 22.0 40.8



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 0.303 ug/L

RT: 2.15 min Scan# 78

Delta R.T. -0.01 min

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Instrument :

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ClientSampleId :

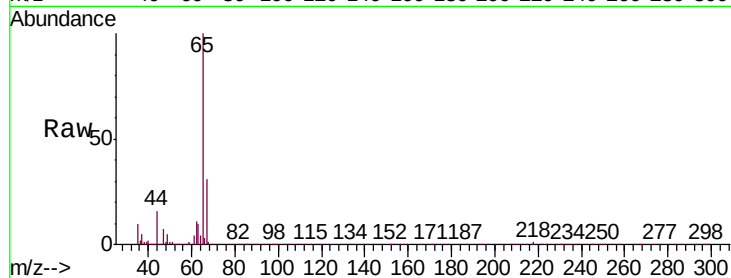
VHBLK01

Tgt Ion: 62 Resp: 17979

Ion Ratio Lower Upper

62 100

64 34.9 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0

6000

5000

4000

3000

2000

1000

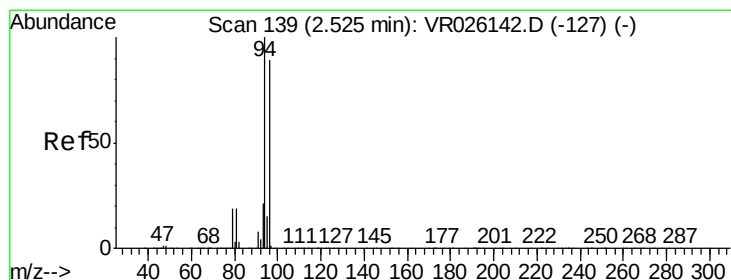
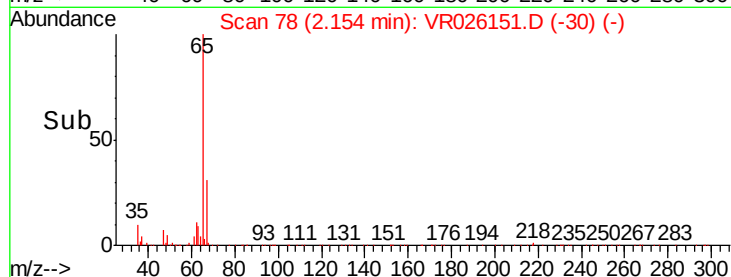
0

2.10

2.20

2.30

Time-->



#6

Bromomethane

Concen: 0.290 ug/L

RT: 2.52 min Scan# 139

Delta R.T. 0.00 min

Lab File: VR026151.D

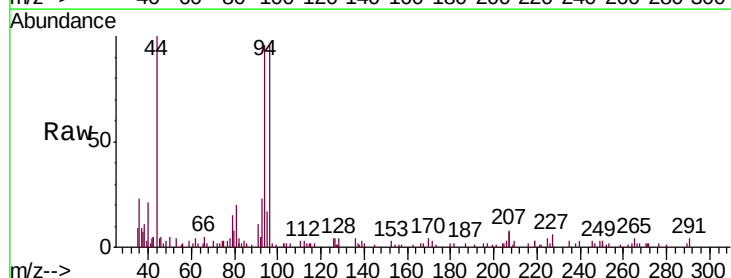
Acq: 19 Oct 2018 15:44

Tgt Ion: 94 Resp: 11370

Ion Ratio Lower Upper

94 100

96 99.9 62.5 116.1



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0

5000

4000

3000

2000

1000

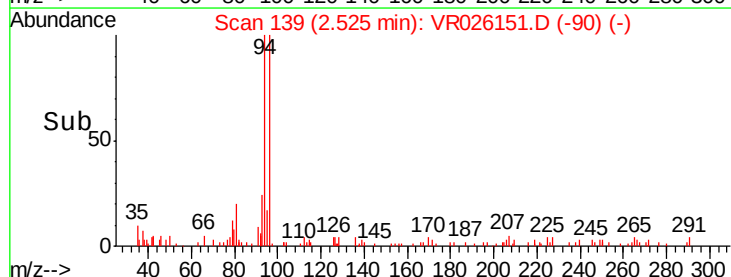
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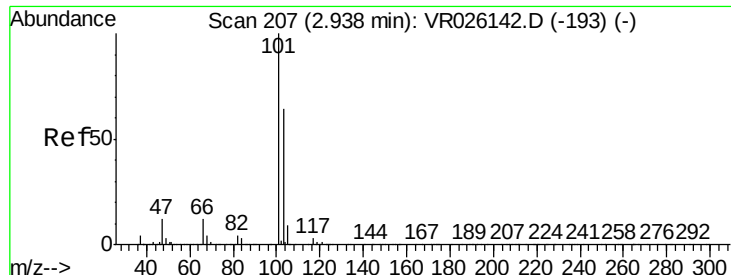
2.40

2.50

2.60

Time-->





#9

Trichlorofluoromethane

Concen: 0.127 ug/L

RT: 2.93 min Scan# 206

Delta R.T. -0.01 min

Lab File: VR026151.D

Acq: 19 Oct 2018 15:44

Instrument :

MSVOA_R

ClientSampleId :

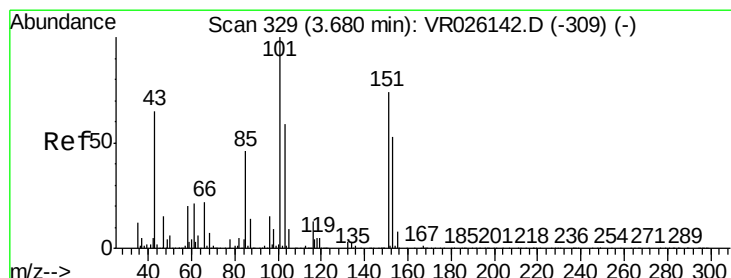
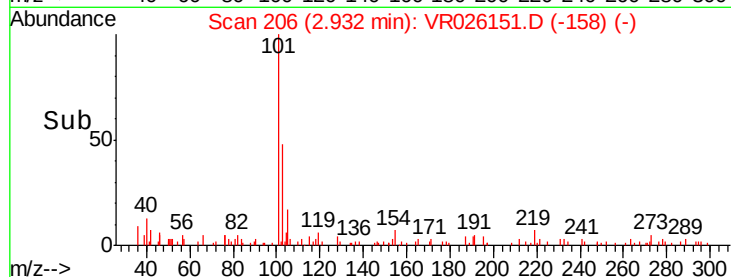
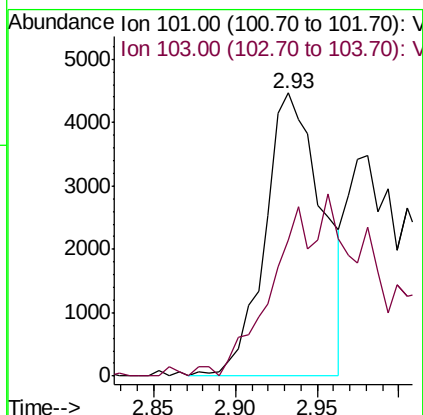
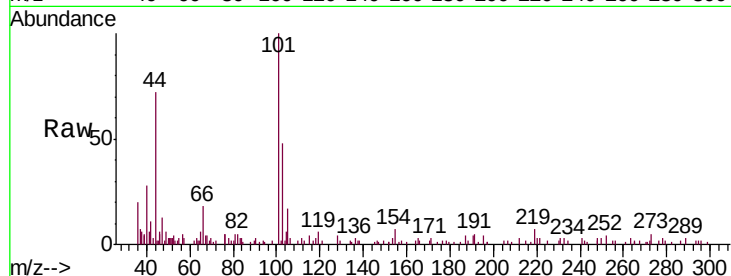
VHBLK01

Tgt Ion:101 Resp: 10888

Ion Ratio Lower Upper

101 100

103 41.8 26.0 39.0#



#10

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

Concen: 0.270 ug/L

RT: 3.68 min Scan# 329

Delta R.T. 0.00 min

Lab File: VR026151.D

Acq: 19 Oct 2018 15:44

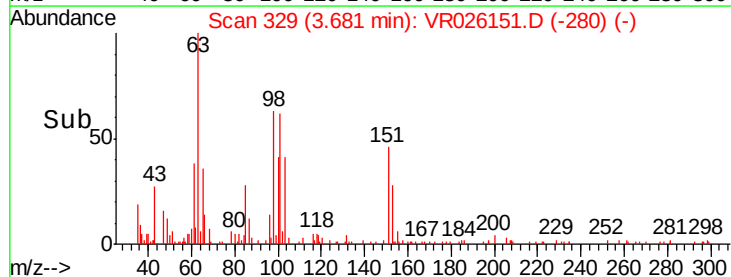
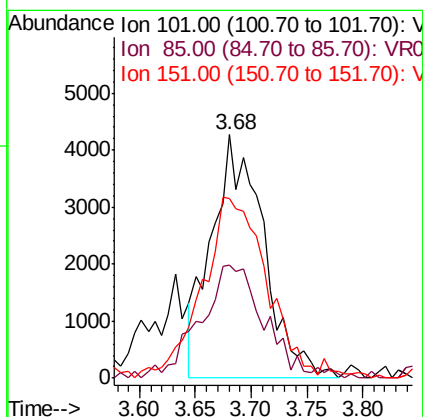
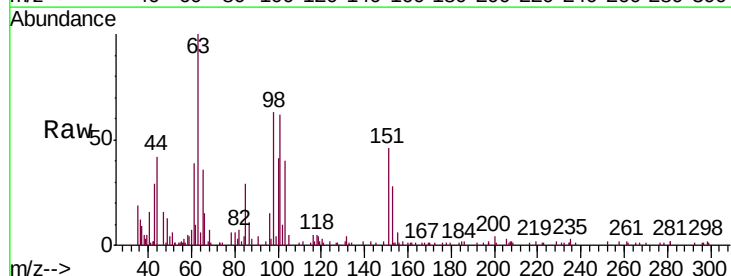
Tgt Ion:101 Resp: 13782

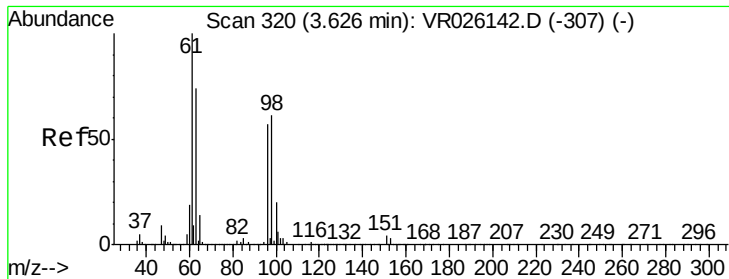
Ion Ratio Lower Upper

101 100

85 55.6 37.8 56.8

151 91.6 63.2 94.8

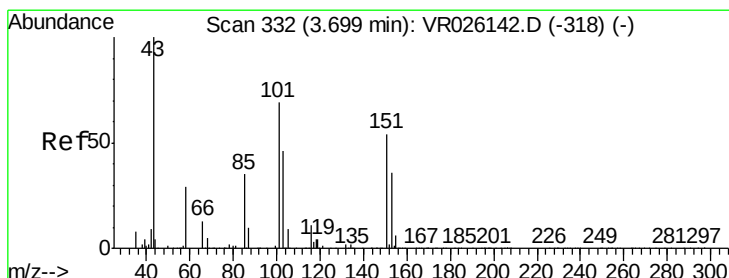
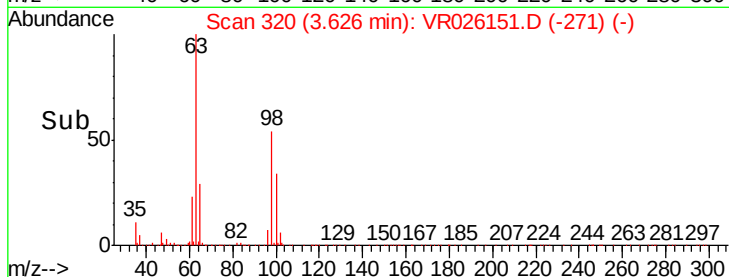
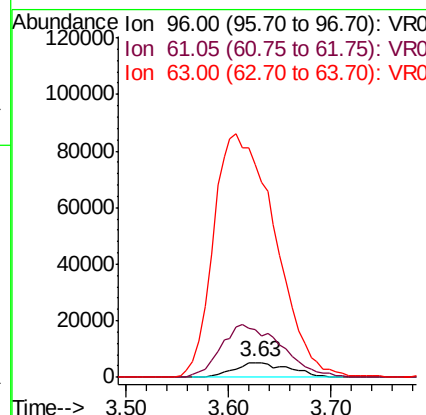
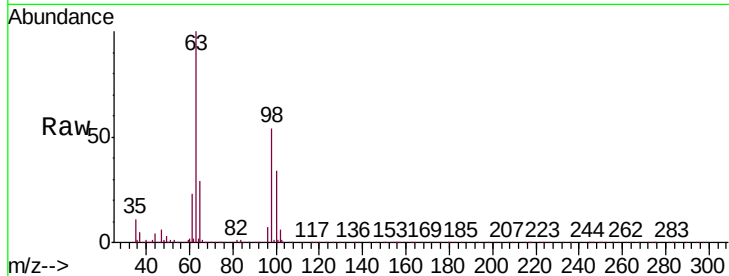




#12
 1,1-Dichloroethene
 Concen: 0.367 ug/L
 RT: 3.63 min Scan# 320
 Delta R.T. 0.00 min
 Lab File: VR026151.D
 Acq: 19 Oct 2018 15:44

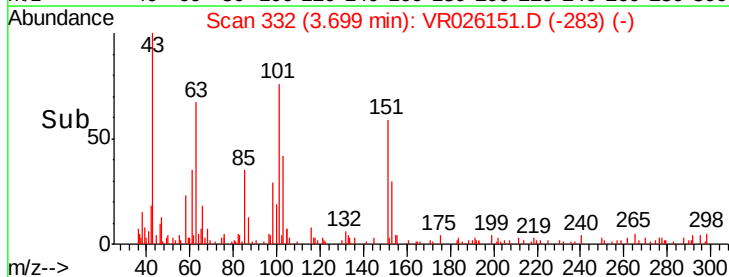
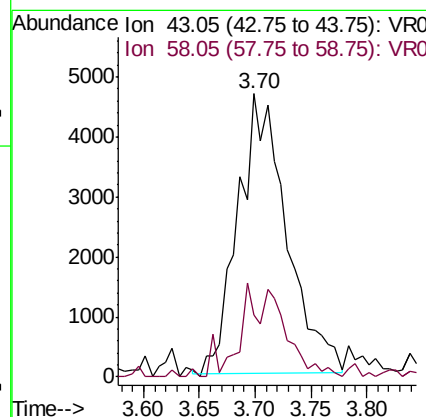
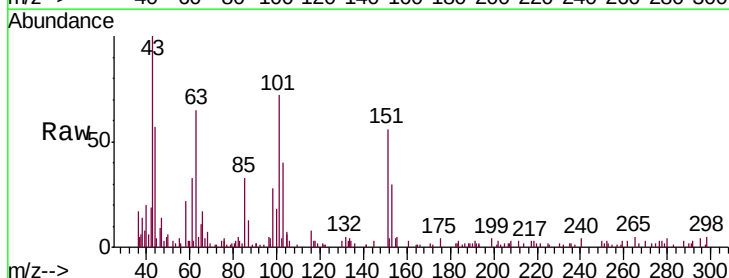
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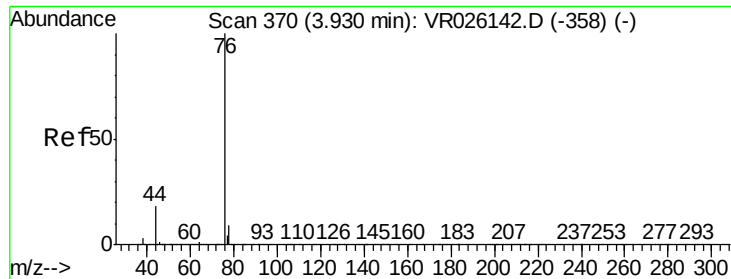
Tgt Ion: 96 Resp: 19901
 Ion Ratio Lower Upper
 96 100
 61 324.4 126.7 235.3#
 63 1426.5 125.0 232.2#



#13
 Acetone
 Concen: 3.419 ug/L
 RT: 3.70 min Scan# 332
 Delta R.T. 0.00 min
 Lab File: VR026151.D
 Acq: 19 Oct 2018 15:44

Tgt Ion: 43 Resp: 14179
 Ion Ratio Lower Upper
 43 100
 58 11.0 0.0 55.4

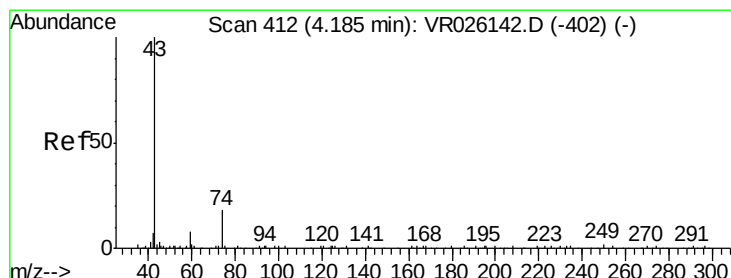
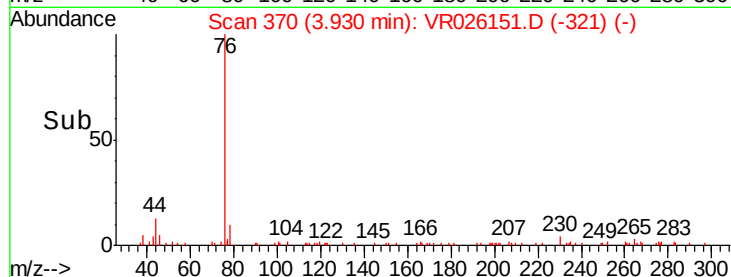
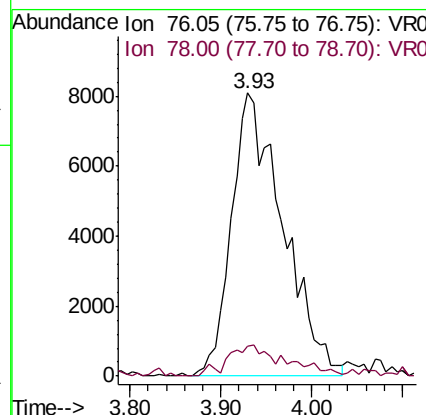
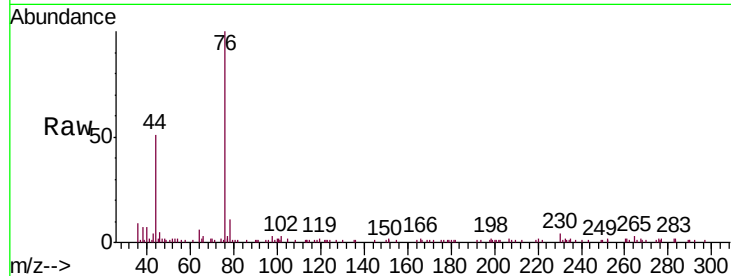




#14
Carbon disulfide
Concen: 0.223 ug/L
RT: 3.93 min Scan# 370
Delta R.T. 0.00 min
Lab File: VR026151.D
Acq: 19 Oct 2018 15:44

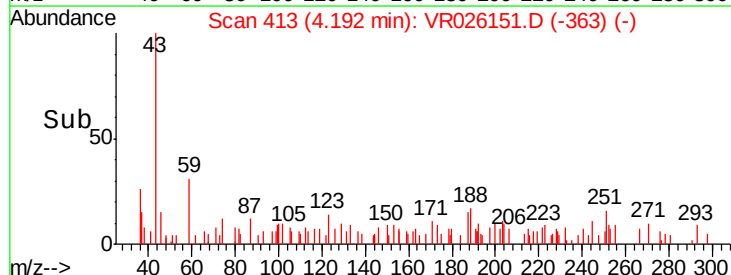
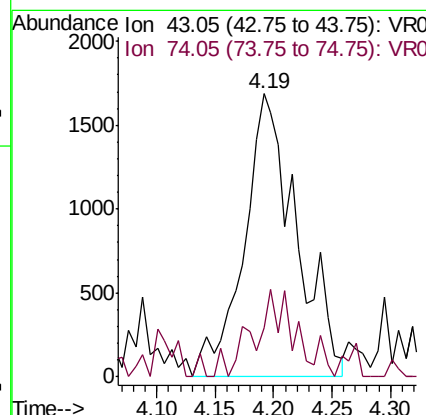
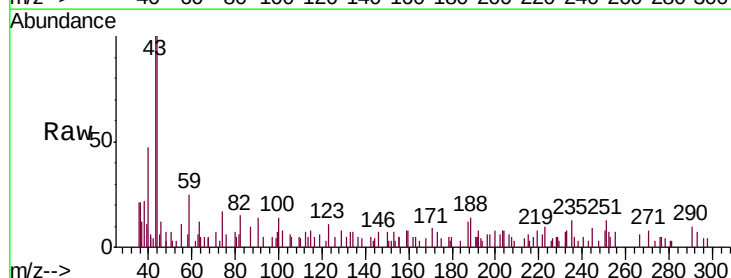
Instrument :
MSVOA_R
ClientSampleId :
VHBLK01

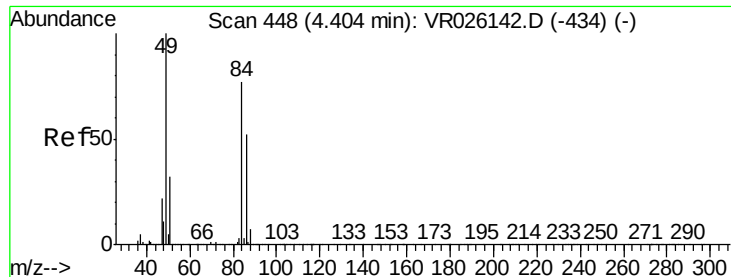
Tgt Ion: 76 Resp: 31687
Ion Ratio Lower Upper
76 100
78 10.7 7.6 11.4



#15
Methyl Acetate
Concen: 0.487 ug/L
RT: 4.19 min Scan# 413
Delta R.T. 0.01 min
Lab File: VR026151.D
Acq: 19 Oct 2018 15:44

Tgt Ion: 43 Resp: 5280
Ion Ratio Lower Upper
43 100
74 22.4 19.8 29.8

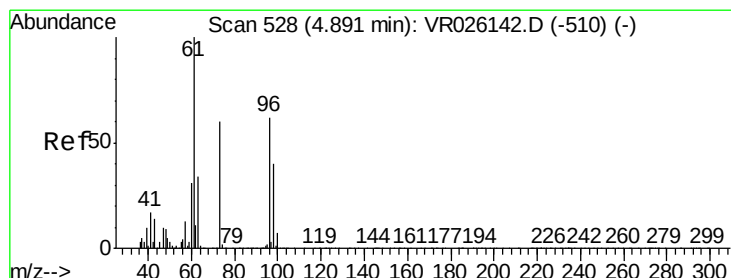
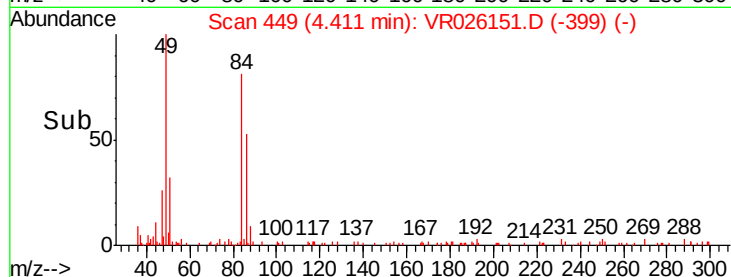
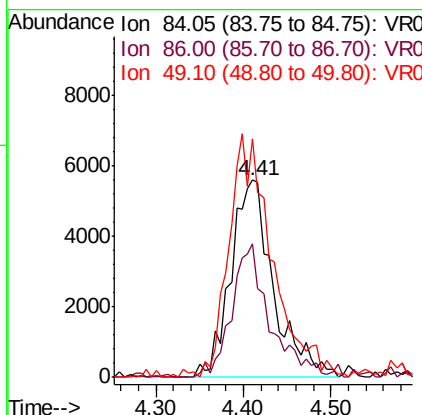
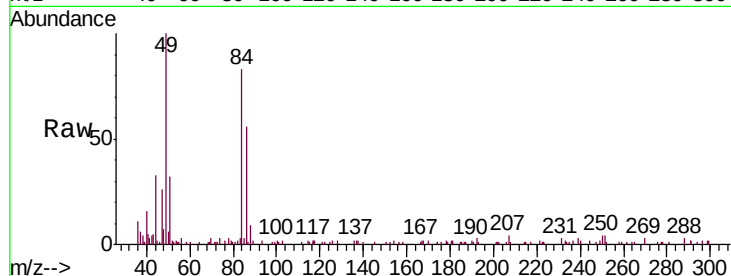




#16
Methylene chloride
Concen: 0.386 ug/L
RT: 4.41 min Scan# 449
Delta R.T. 0.01 min
Lab File: VR026151.D
Acq: 19 Oct 2018 15:44

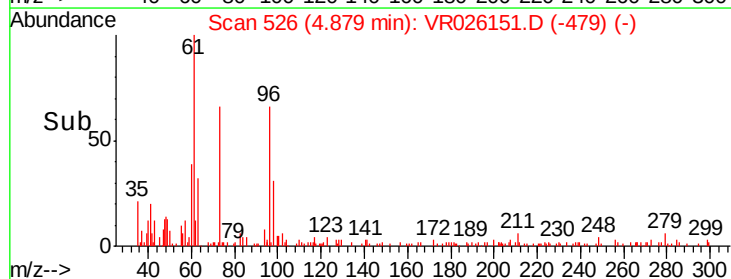
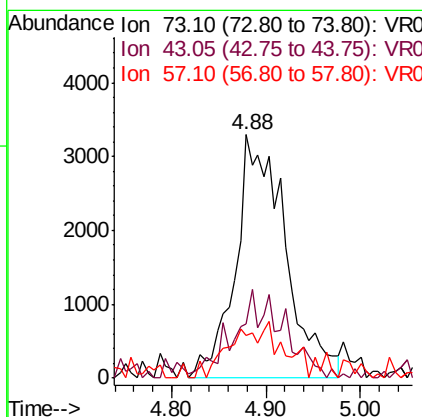
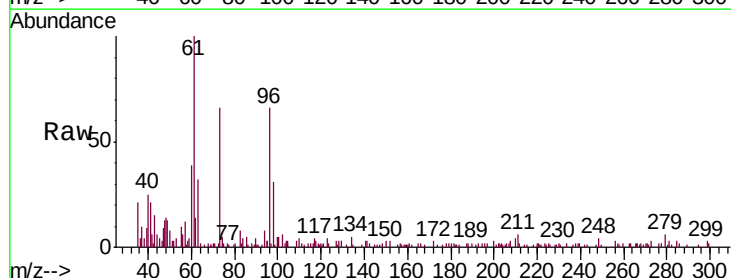
Instrument :
MSVOA_R
ClientSampleId :
VHBLK01

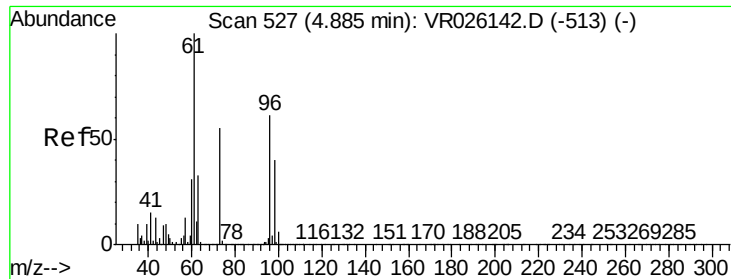
Tgt Ion: 84 Resp: 18987
Ion Ratio Lower Upper
84 100
86 67.6 43.0 79.8
49 121.2 89.1 165.5



#17
Methyl tert-butyl Ether
Concen: 0.247 ug/L
RT: 4.88 min Scan# 526
Delta R.T. -0.01 min
Lab File: VR026151.D
Acq: 19 Oct 2018 15:44

Tgt Ion: 73 Resp: 12171
Ion Ratio Lower Upper
73 100
43 6.0 20.1 30.1#
57 13.1 19.0 28.4#

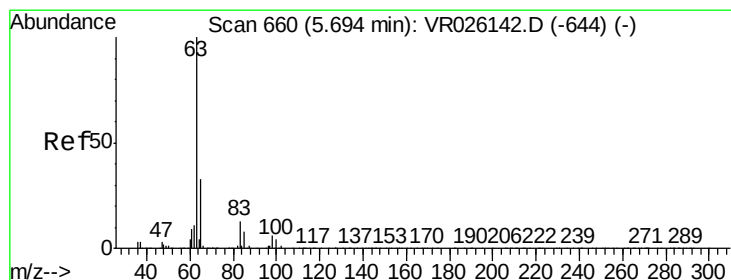
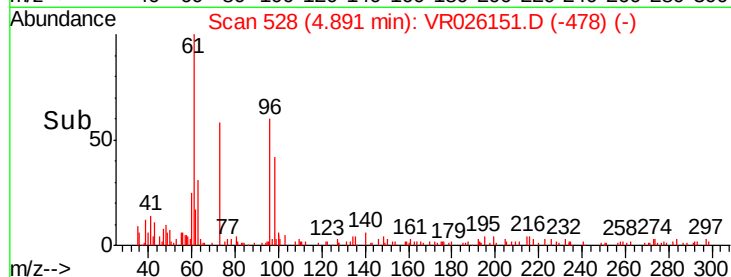
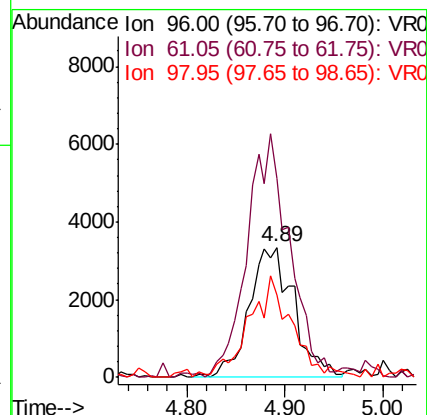
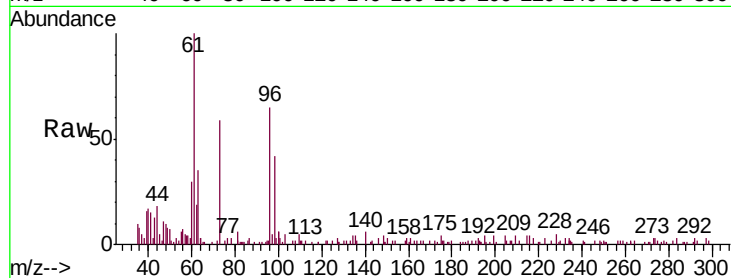




#18
trans-1,2-Dichloroethene
Concen: 0.257 ug/L
RT: 4.89 min Scan# 528
Delta R.T. 0.01 min
Lab File: VR026151.D
Acq: 19 Oct 2018 15:44

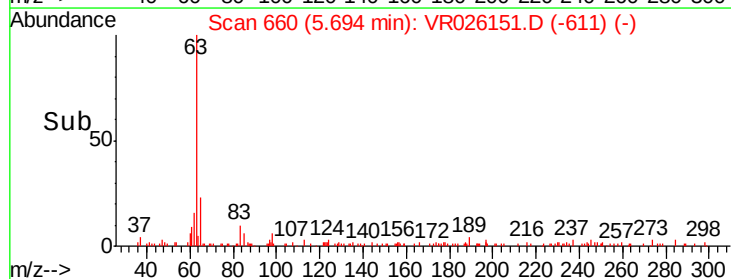
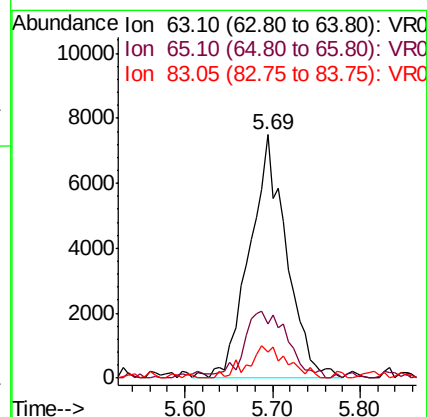
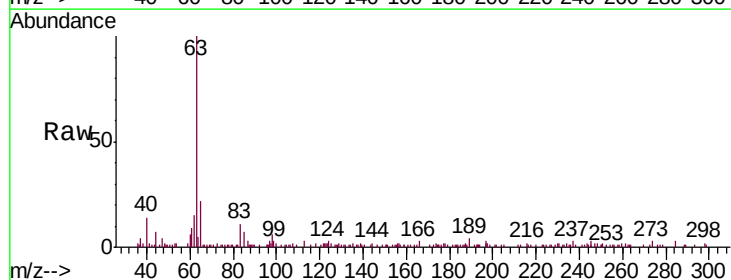
Instrument :
MSVOA_R
ClientSampleId :
VHBLK01

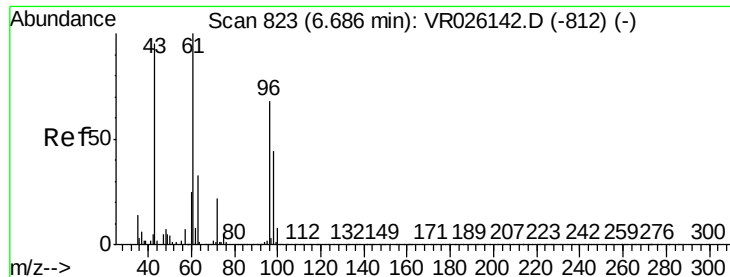
Tgt Ion: 96 Resp: 10564
Ion Ratio Lower Upper
96 100
61 153.6 111.4 206.8
98 63.8 41.4 77.0



#19
1,1-Dichloroethane
Concen: 0.283 ug/L
RT: 5.69 min Scan# 660
Delta R.T. 0.00 min
Lab File: VR026151.D
Acq: 19 Oct 2018 15:44

Tgt Ion: 63 Resp: 21785
Ion Ratio Lower Upper
63 100
65 22.3 21.2 39.4
83 10.9 9.2 17.2





#21

2-Butanone

Concen: 2.527 ug/L

RT: 6.69 min Scan# 824

Delta R.T. 0.01 min

Lab File: VR026151.D

Acq: 19 Oct 2018 15:44

Instrument :

MSVOA_R

ClientSampleId :

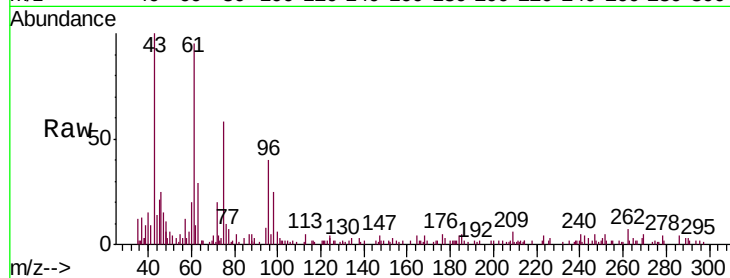
VHBLK01

Tgt Ion: 43 Resp: 12093

Ion Ratio Lower Upper

43 100

72 17.3 12.3 36.8



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 72.10 (71.80 to 72.80): VR0

6.69

5000

4000

3000

2000

1000

0

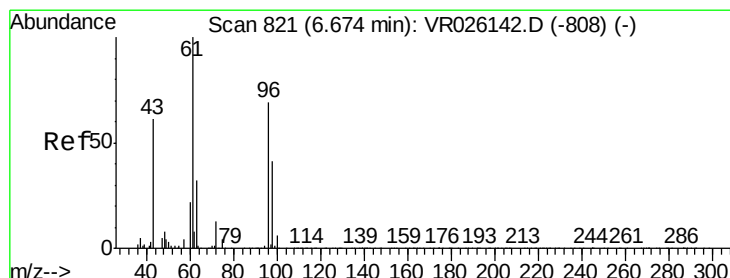
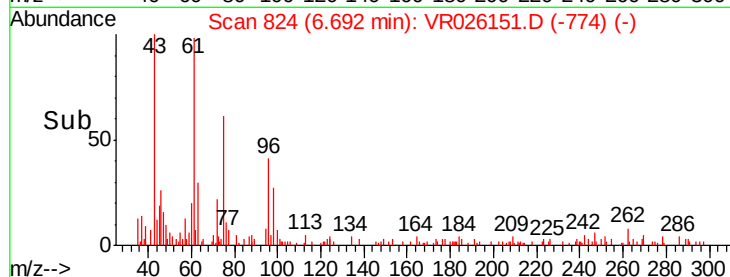
6.60

6.65

6.70

6.75

Time-->



#22

cis-1,2-Dichloroethene

Concen: 0.259 ug/L

RT: 6.67 min Scan# 821

Delta R.T. 0.00 min

Lab File: VR026151.D

Acq: 19 Oct 2018 15:44

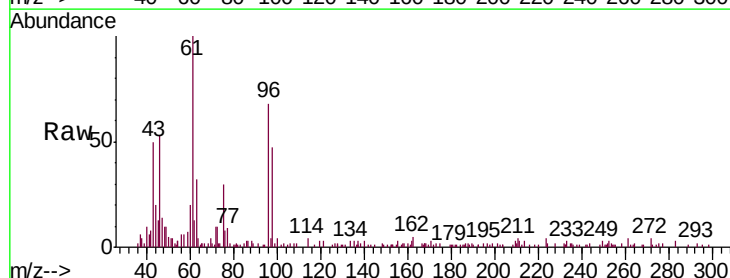
Tgt Ion: 96 Resp: 10064

Ion Ratio Lower Upper

96 100

61 146.1 101.8 189.0

68 3.0 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

8000

6000

4000

2000

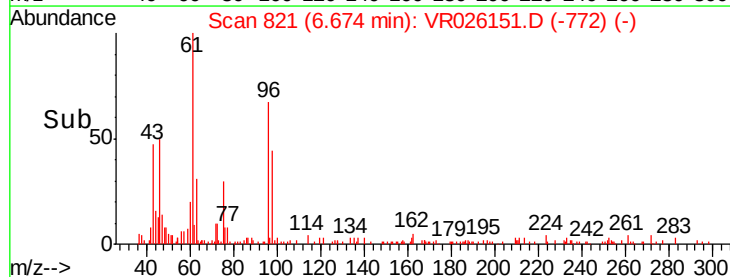
0

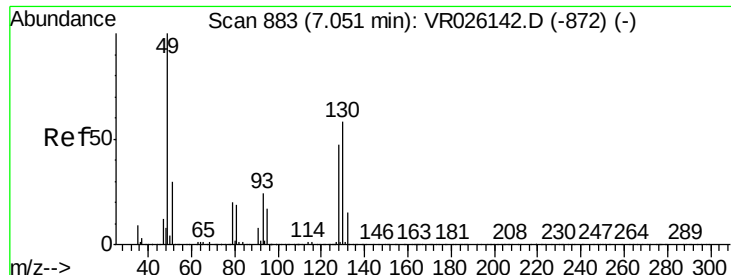
6.60

6.67

6.70

Time-->





#23

Bromochloromethane

Concen: 0.321 ug/L

RT: 7.05 min Scan# 883

Delta R.T. 0.00 min

Lab File: VR026151.D

Acq: 19 Oct 2018 15:44

Instrument :

MSVOA_R

ClientSampleId :

VHBLK01

Tgt Ion:128 Resp: 3500

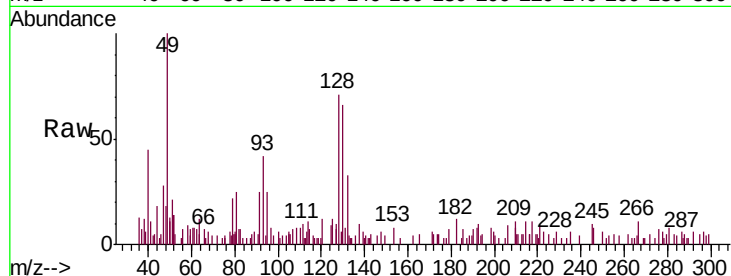
Ion Ratio Lower Upper

128 100

49 160.1 146.2 271.4

130 93.4 92.5 171.7

51 69.8 55.6 83.4

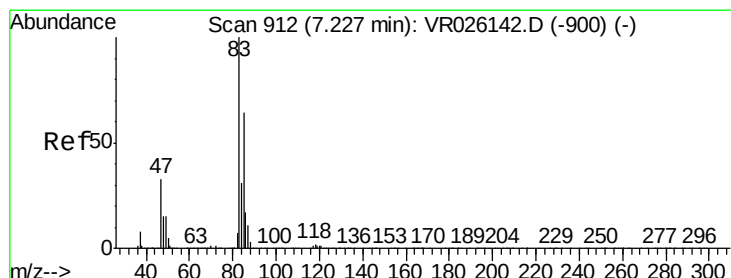
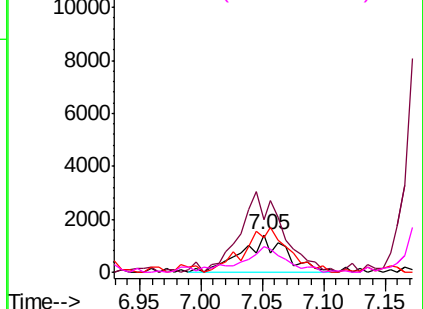
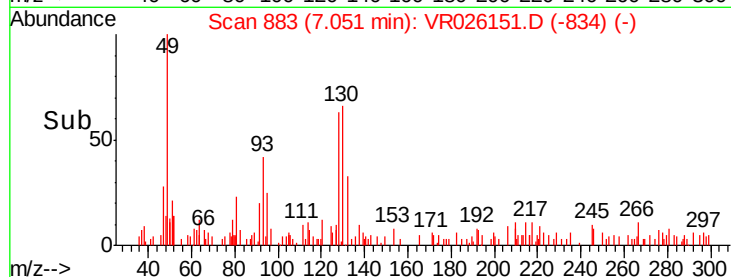


Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VR0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VR0



#25

Chloroform

Concen: 0.308 ug/L

RT: 7.23 min Scan# 912

Delta R.T. 0.00 min

Lab File: VR026151.D

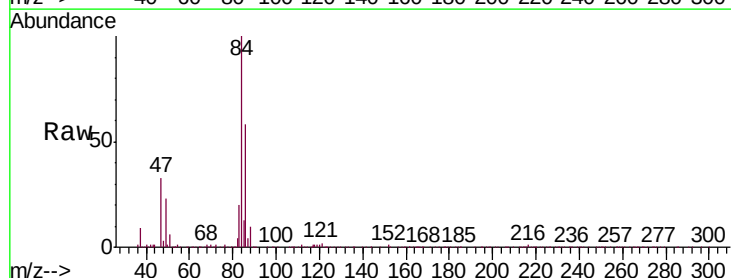
Acq: 19 Oct 2018 15:44

Tgt Ion: 83 Resp: 23139

Ion Ratio Lower Upper

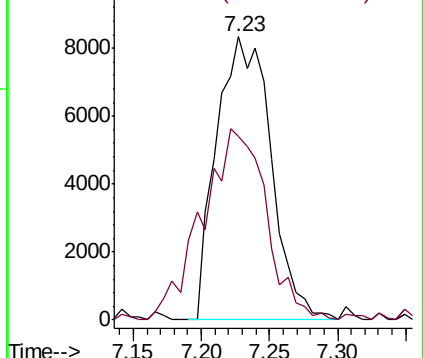
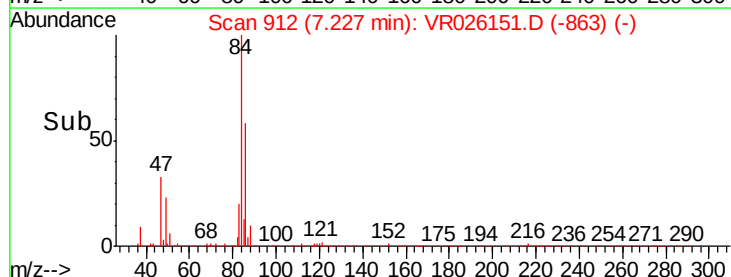
83 100

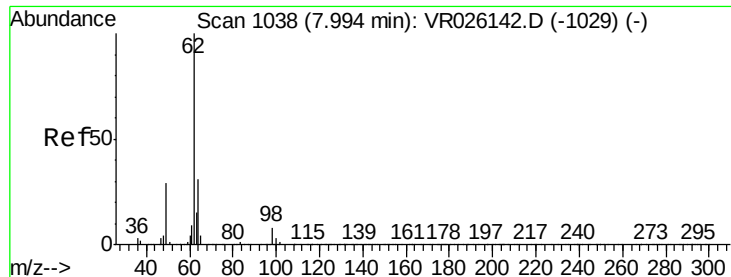
85 64.8 43.5 80.7



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0

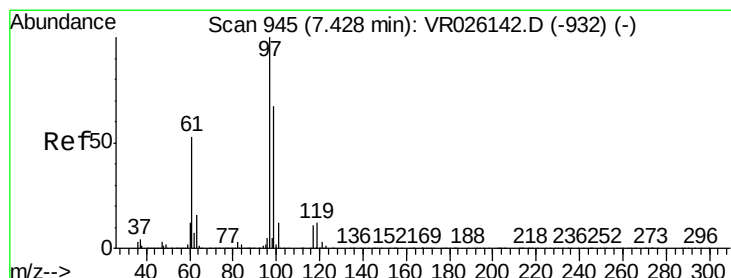
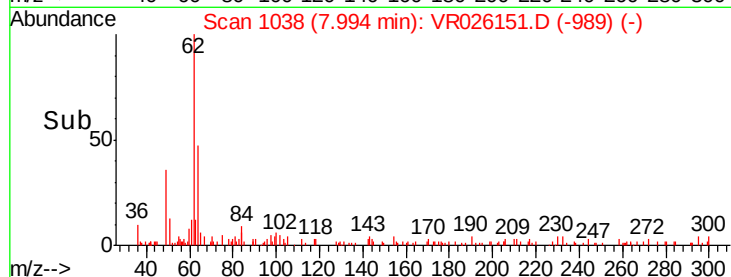
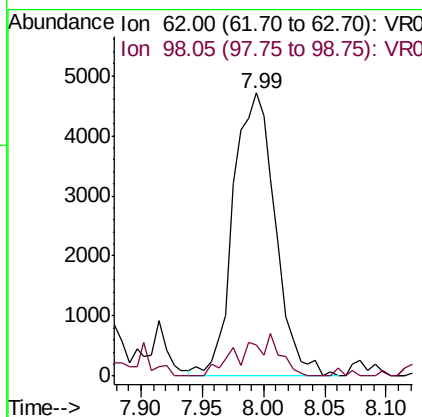
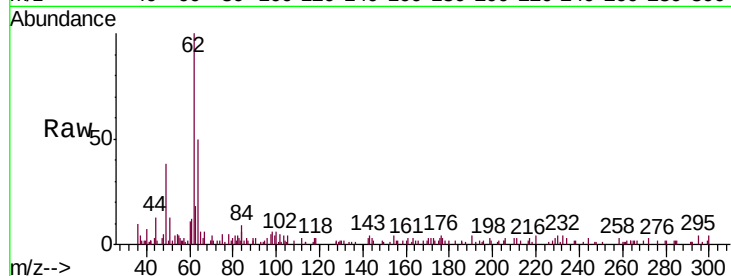




#27
 1,2-Dichloroethane
 Concen: 0.304 ug/L
 RT: 7.99 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: VR026151.D
 Acq: 19 Oct 2018 15:44

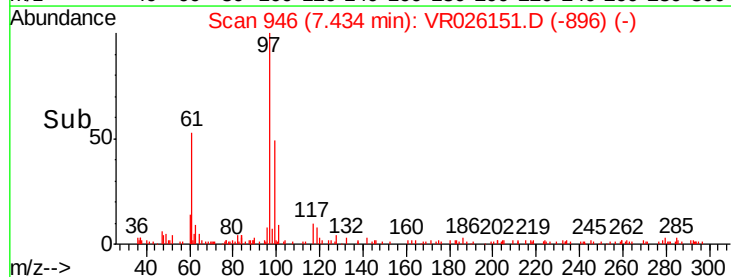
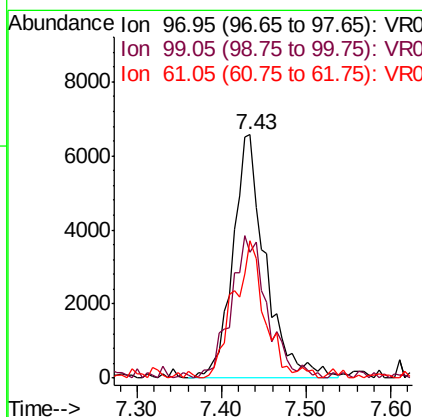
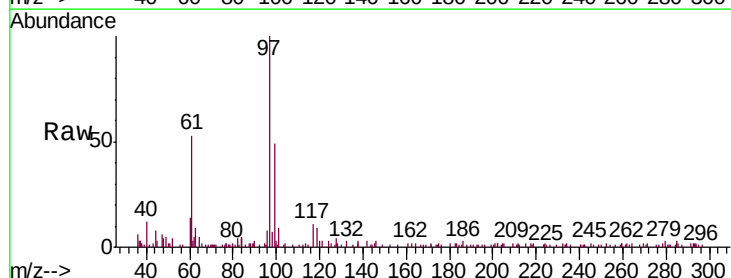
Instrument :
 MSVOA_R
 ClientSampled :
 VHBLK01

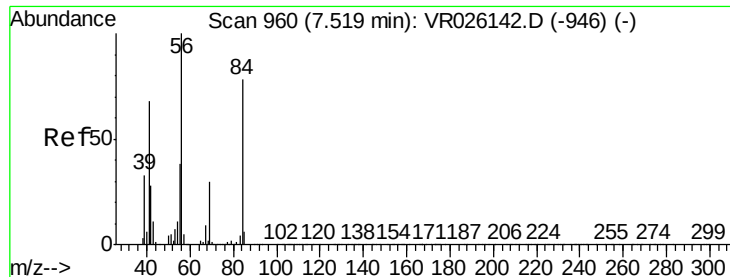
Tgt Ion: 62 Resp: 11193
 Ion Ratio Lower Upper
 62 100
 98 10.9 5.6 8.4#



#29
 1,1,1-Trichloroethane
 Concen: 0.265 ug/L
 RT: 7.43 min Scan# 946
 Delta R.T. 0.01 min
 Lab File: VR026151.D
 Acq: 19 Oct 2018 15:44

Tgt Ion: 97 Resp: 17235
 Ion Ratio Lower Upper
 97 100
 99 63.2 51.1 76.7
 61 52.6 42.1 63.1

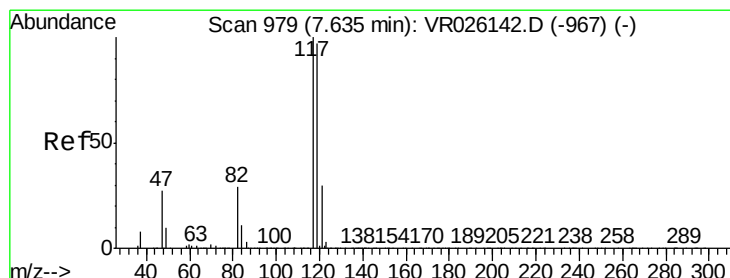
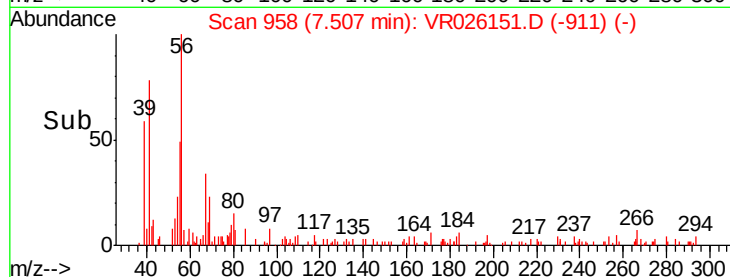
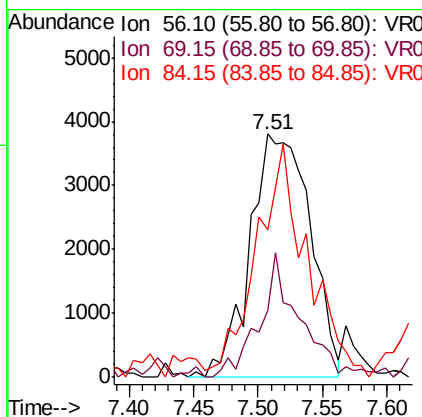
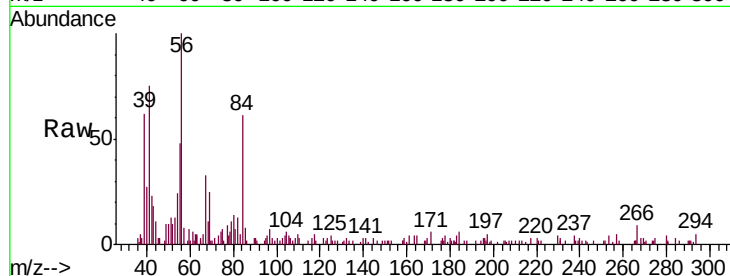




#30
Cyclohexane
Concen: 0.188 ug/L
RT: 7.51 min Scan# 958
Delta R.T. -0.01 min
Lab File: VR026151.D
Acq: 19 Oct 2018 15:44

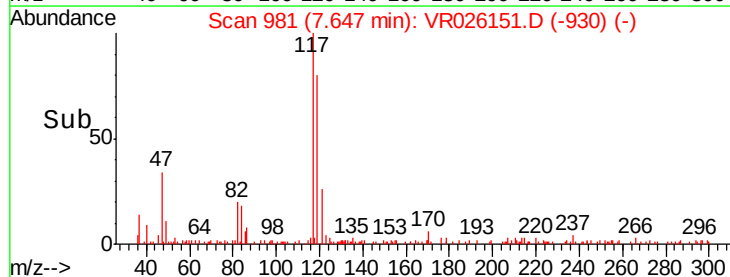
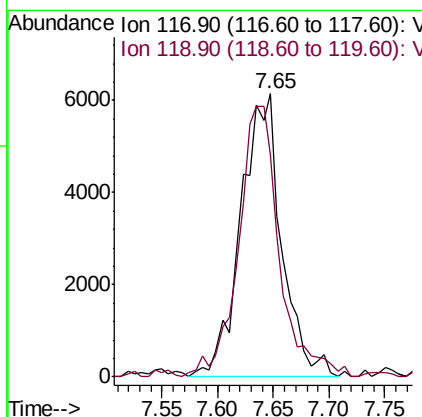
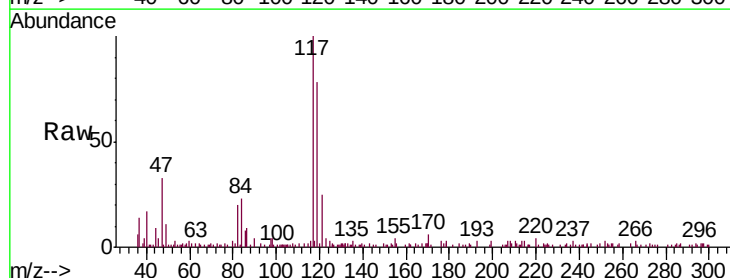
Instrument :
MSVOA_R
ClientSampleId :
VHBLK01

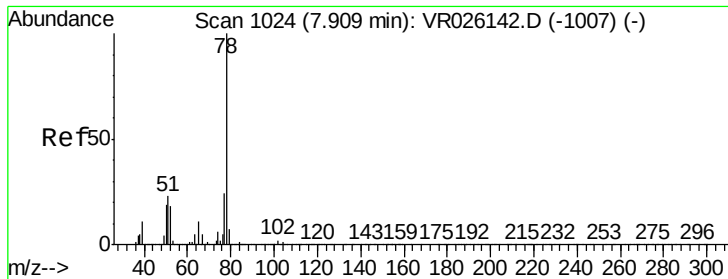
Tgt Ion:	56	Resp:	12309
Ion	Ratio	Lower	Upper
56	100		
69	35.0	23.8	35.8
84	81.4	62.2	93.4



#31
Carbon tetrachloride
Concen: 0.264 ug/L
RT: 7.65 min Scan# 981
Delta R.T. 0.01 min
Lab File: VR026151.D
Acq: 19 Oct 2018 15:44

Tgt Ion:	117	Resp:	15616
Ion	Ratio	Lower	Upper
117	100		
119	96.2	74.2	111.2





#33

Benzene

Concen: 0.305 ug/L

RT: 7.90 min Scan# 1023

Delta R.T. -0.01 min

Lab File: VR026151.D

Acq: 19 Oct 2018 15:44

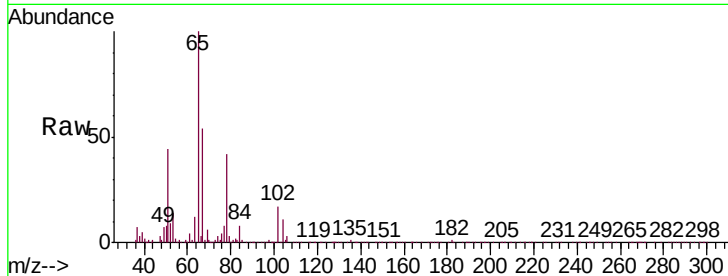
Instrument :

MSVOA_R

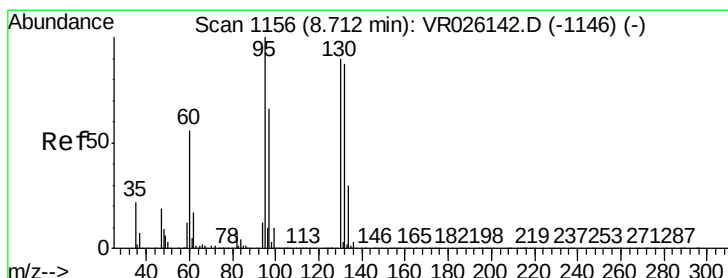
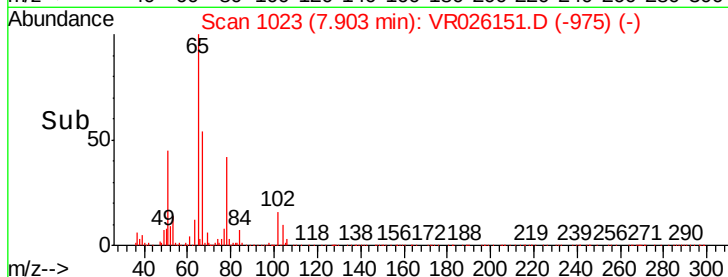
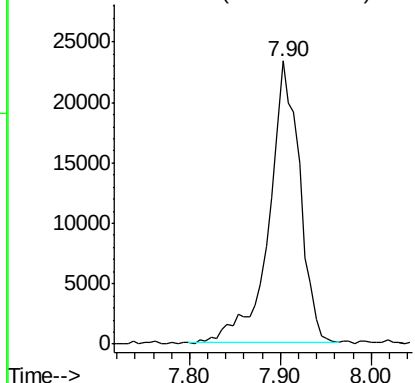
ClientSampleId :

VHBLK01

Tgt Ion: 78 Resp: 54559



Abundance Ion 78.10 (77.80 to 78.80): VR0



#34

Trichloroethene

Concen: 0.281 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VR026151.D

Acq: 19 Oct 2018 15:44

Tgt Ion: 95 Resp: 12889

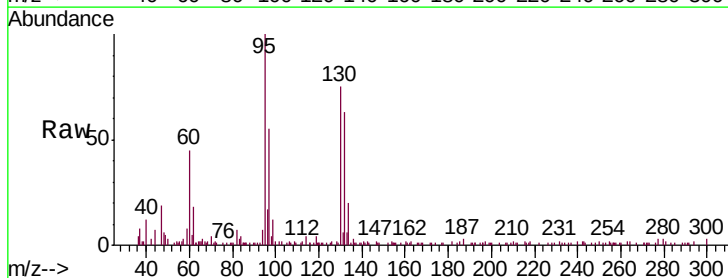
Ion Ratio Lower Upper

95 100

97 55.3 45.7 84.9

132 63.1 58.3 108.3

130 74.7 64.0 119.0

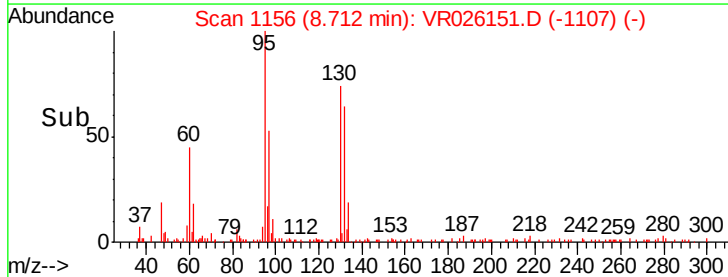
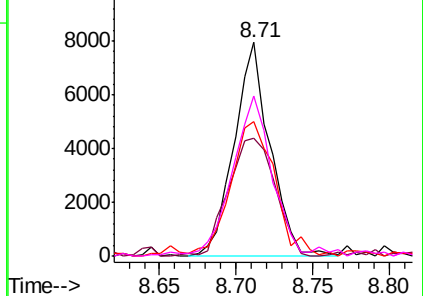


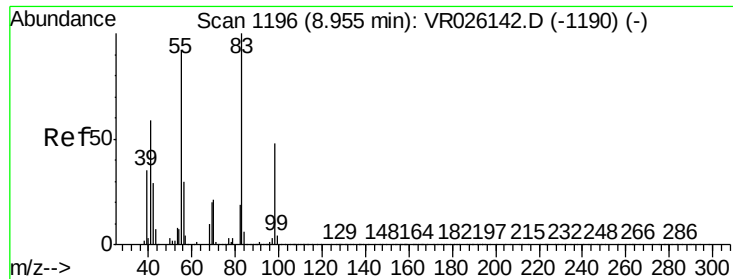
Abundance Ion 95.00 (94.70 to 95.70): VR0

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

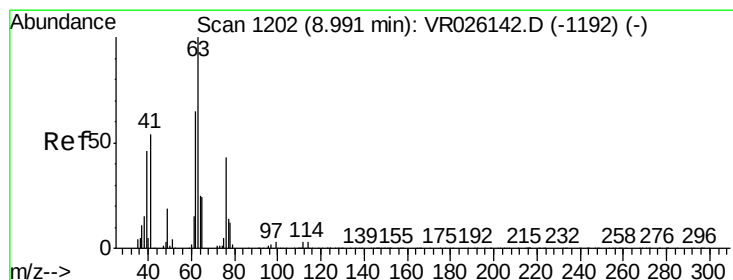
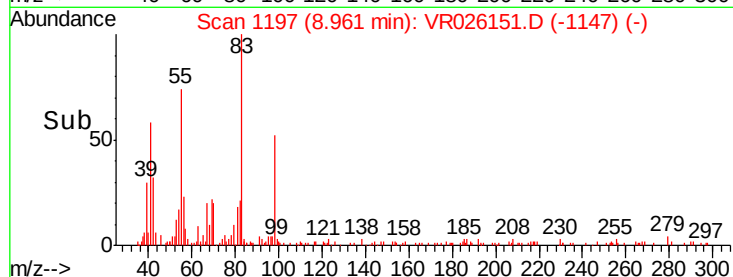
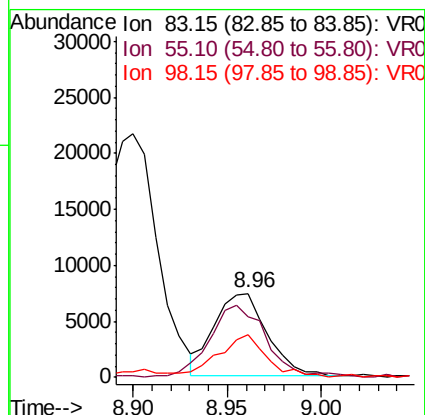
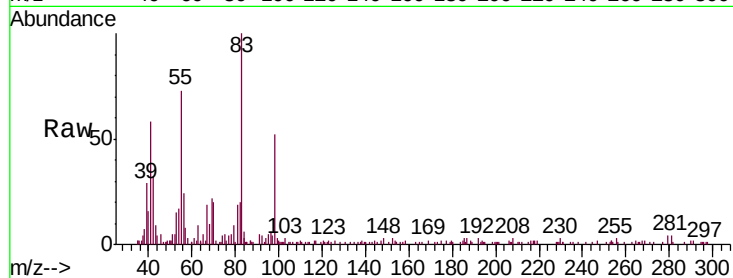




#35
Methylcyclohexane
Concen: 0.210 ug/L
RT: 8.96 min Scan# 1197
Delta R.T. 0.01 min
Lab File: VR026151.D
Acq: 19 Oct 2018 15:44

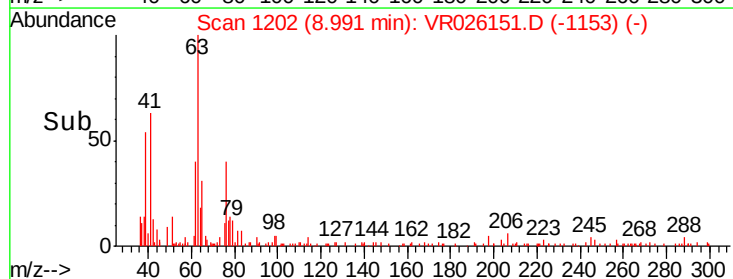
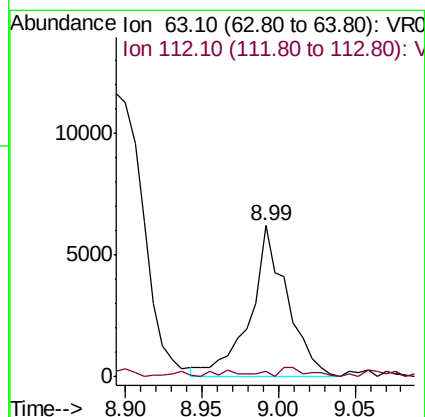
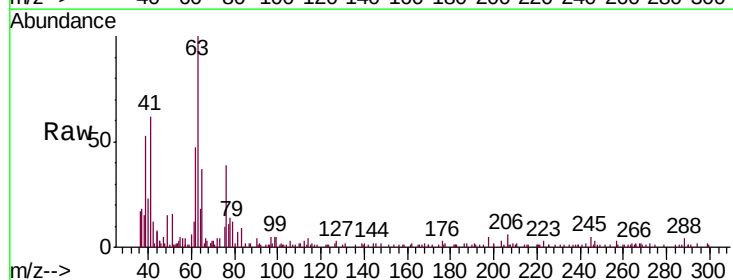
Instrument :
MSVOA_R
ClientSampleId :
VHBLK01

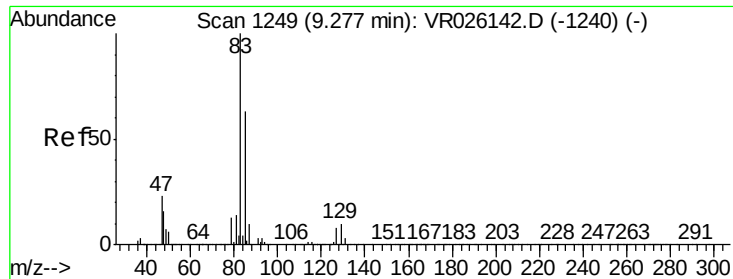
Tgt Ion: 83 Resp: 14336
Ion Ratio Lower Upper
83 100
55 94.7 66.8 100.2
98 48.4 35.2 52.8



#37
1,2-Dichloropropane
Concen: 0.278 ug/L
RT: 8.99 min Scan# 1202
Delta R.T. 0.00 min
Lab File: VR026151.D
Acq: 19 Oct 2018 15:44

Tgt Ion: 63 Resp: 10484
Ion Ratio Lower Upper
63 100
112 5.3 2.7 4.1#





#38

Bromodichloromethane

Concen: 0.270 ug/L

RT: 9.28 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VR026151.D

Acq: 19 Oct 2018 15:44

Instrument :

MSVOA_R

ClientSampleId :

VHBLK01

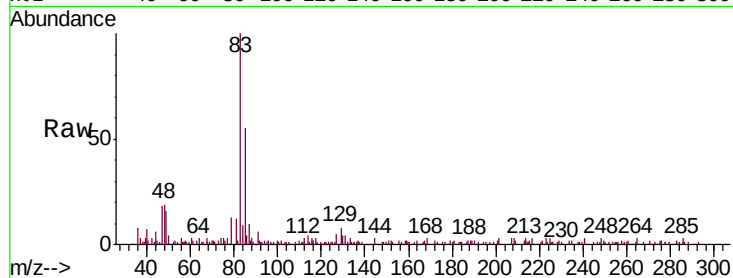
Tgt Ion: 83 Resp: 10950

Ion Ratio Lower Upper

83 100

85 55.4 43.5 80.7

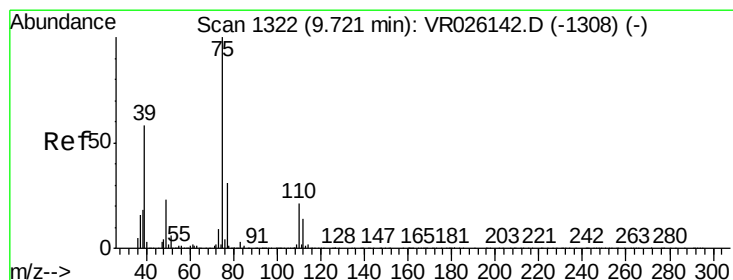
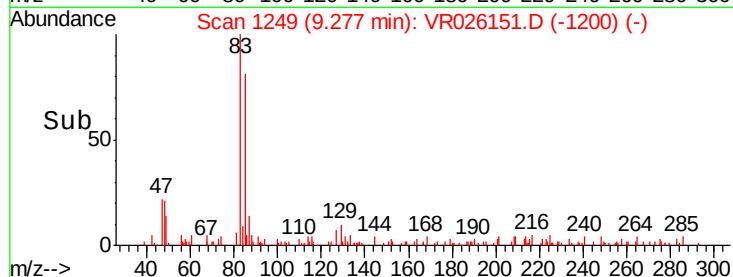
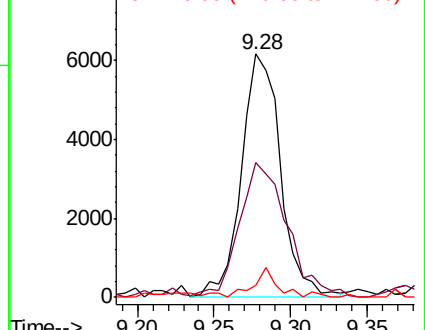
127 4.9 7.0 10.6#



Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 126.90 (126.60 to 127.60): V



#39

cis-1,3-Dichloropropene

Concen: 0.240 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VR026151.D

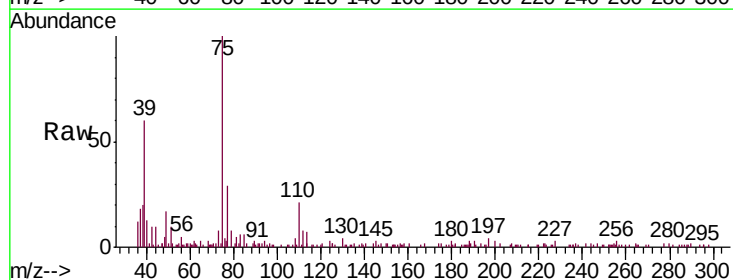
Acq: 19 Oct 2018 15:44

Tgt Ion: 75 Resp: 10390

Ion Ratio Lower Upper

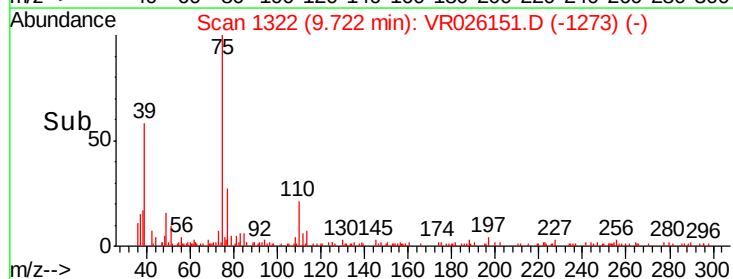
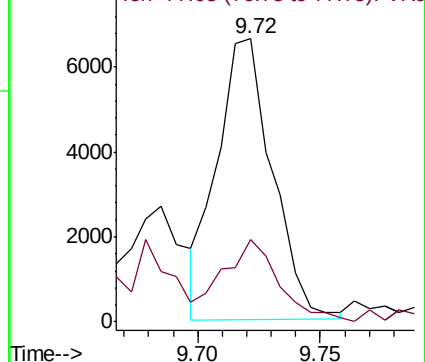
75 100

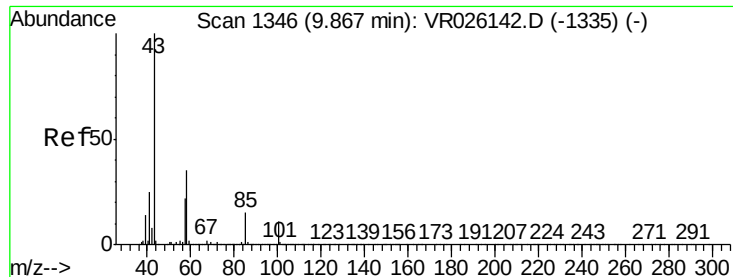
77 29.0 22.7 42.1



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

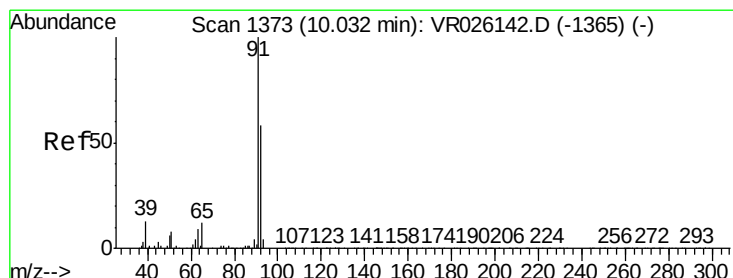
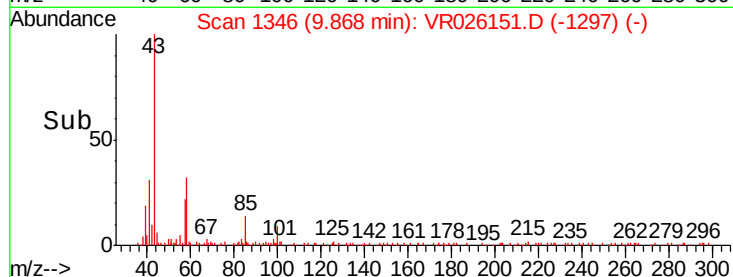
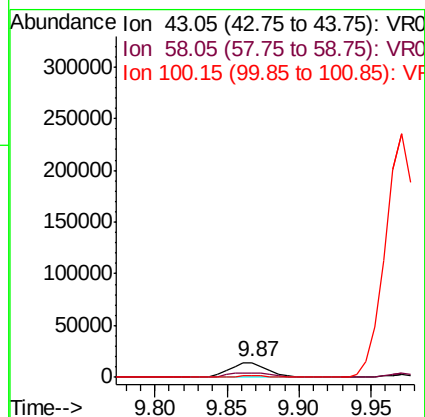
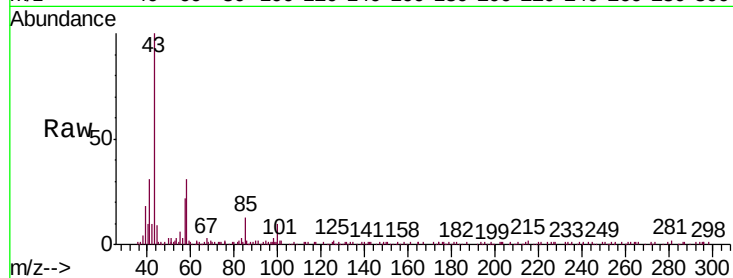




#40
4-Methyl-2-pentanone
Concen: 2.332 ug/L
RT: 9.87 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VR026151.D
Acq: 19 Oct 2018 15:44

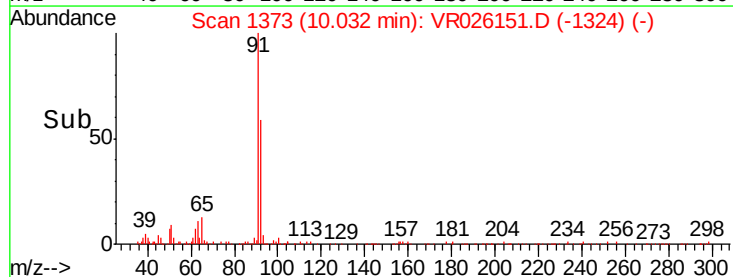
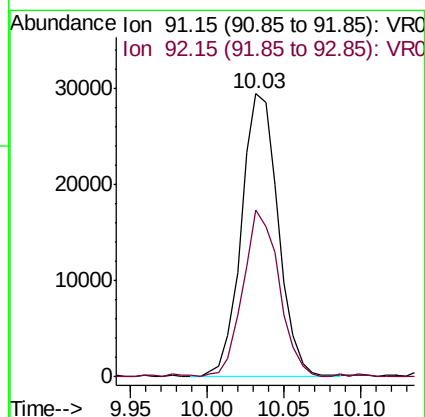
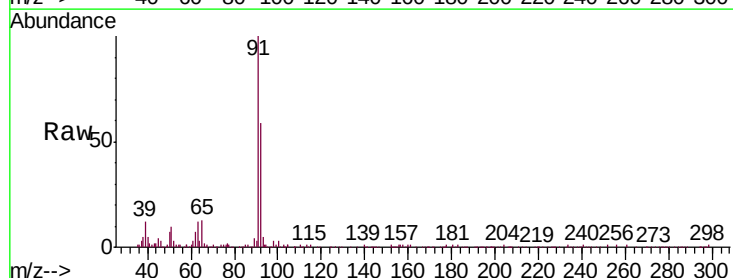
Instrument :
MSVOA_R
ClientSampleId :
VHBLK01

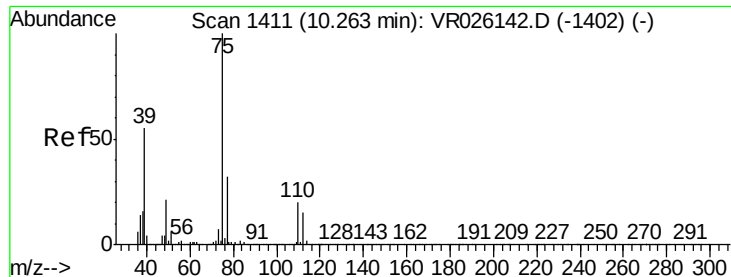
Tgt Ion: 43 Resp: 26887
Ion Ratio Lower Upper
43 100
58 34.0 28.1 42.1
100 0.0 9.3 13.9#



#42
Toluene
Concen: 0.260 ug/L
RT: 10.03 min Scan# 1373
Delta R.T. 0.00 min
Lab File: VR026151.D
Acq: 19 Oct 2018 15:44

Tgt Ion: 91 Resp: 49070
Ion Ratio Lower Upper
91 100
92 58.7 40.8 75.8





#44

trans-1,3-Dichloropropene

Concen: 0.291 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR026151.D

Acq: 19 Oct 2018 15:44

Instrument :

MSVOA_R

ClientSampleId :

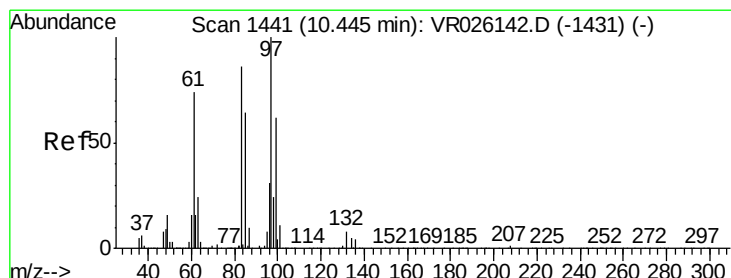
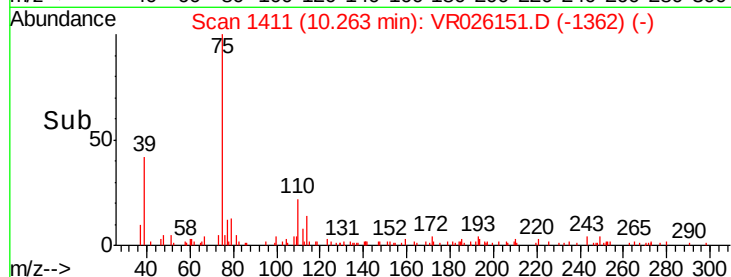
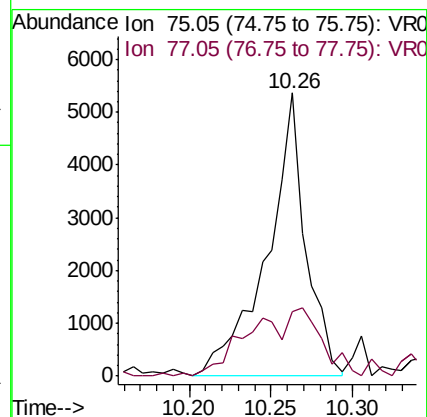
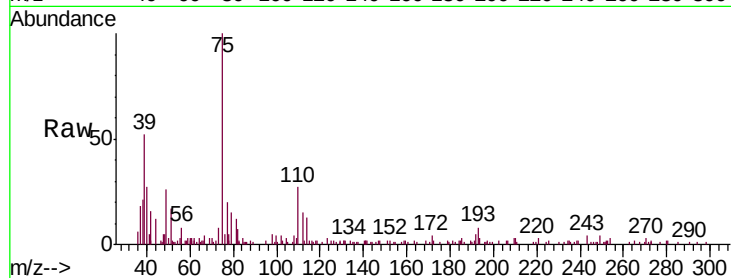
VHBLK01

Tgt Ion: 75 Resp: 8777

Ion Ratio Lower Upper

75 100

77 22.8 24.1 44.7#



#45

1,1,2-Trichloroethane

Concen: 0.303 ug/L

RT: 10.45 min Scan# 1442

Delta R.T. 0.01 min

Lab File: VR026151.D

Acq: 19 Oct 2018 15:44

Tgt Ion: 97 Resp: 4822

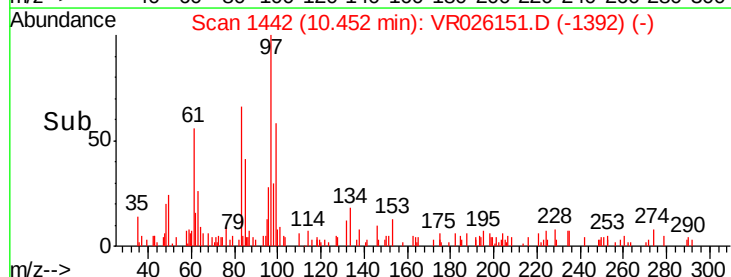
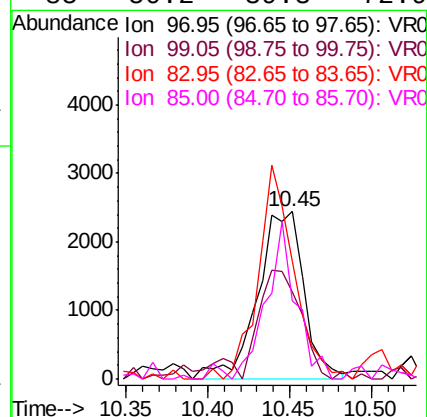
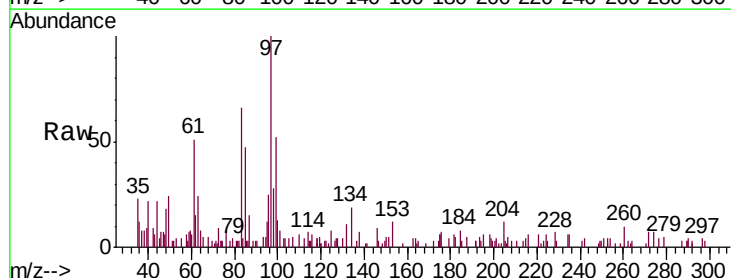
Ion Ratio Lower Upper

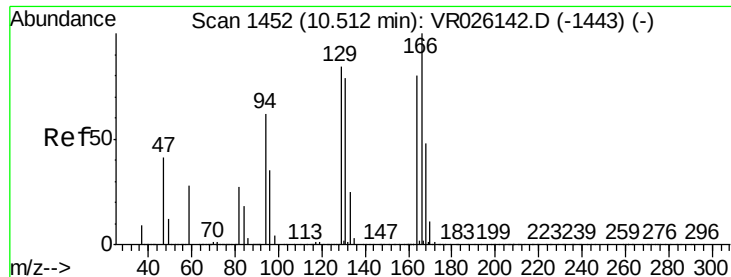
97 100

99 52.3 42.8 79.4

83 70.5 61.9 114.9

85 50.2 39.3 72.9





#47

Tetrachloroethene

Concen: 0.240 ug/L

RT: 10.52 min Scan# 1453

Delta R.T. 0.01 min

Lab File: VR026151.D

Acq: 19 Oct 2018 15:44

Instrument :

MSVOA_R

ClientSampleId :

VHBLK01

Tgt Ion:164 Resp: 7862

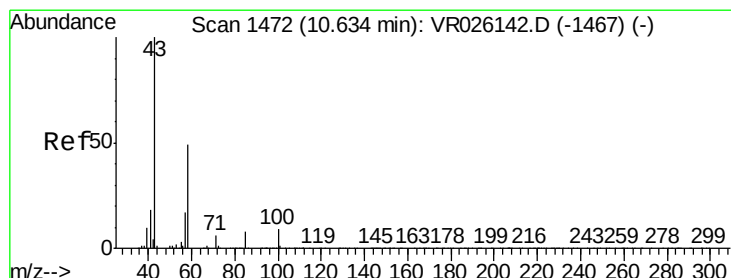
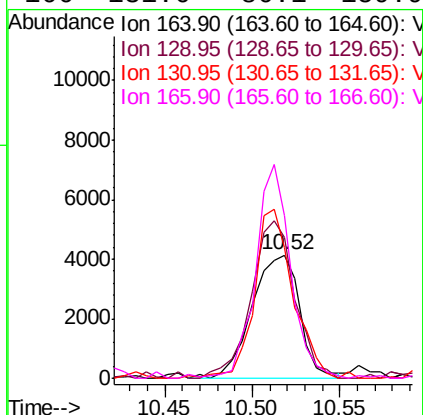
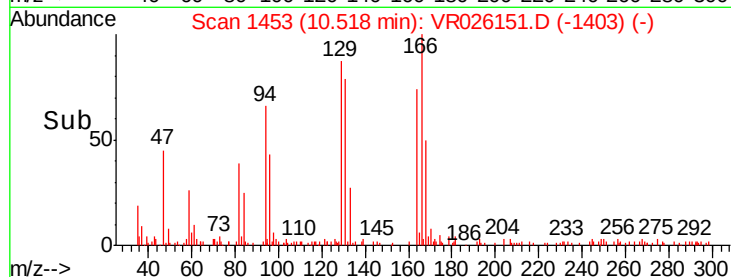
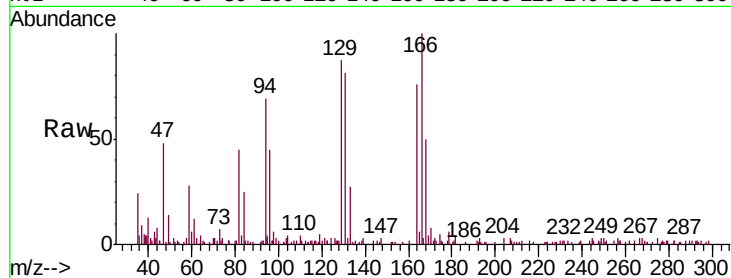
Ion Ratio Lower Upper

164 100

129 114.3 70.3 130.5

131 106.3 67.3 125.1

166 131.6 86.1 159.9



#48

2-Hexanone

Concen: 2.705 ug/L

RT: 10.63 min Scan# 1471

Delta R.T. -0.01 min

Lab File: VR026151.D

Acq: 19 Oct 2018 15:44

Tgt Ion: 43 Resp: 20368

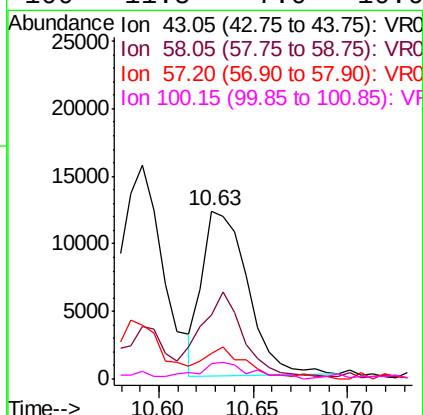
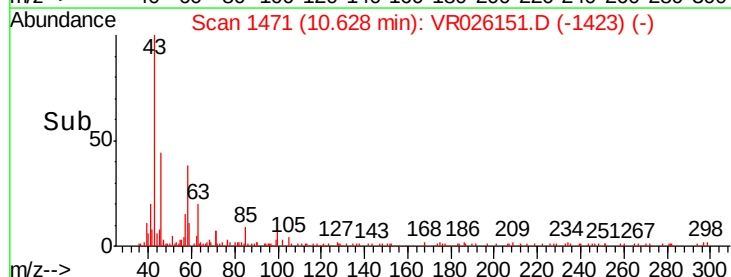
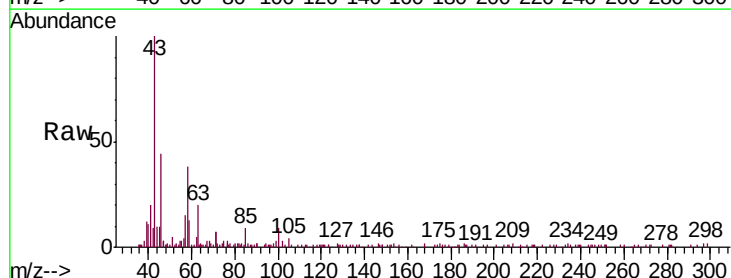
Ion Ratio Lower Upper

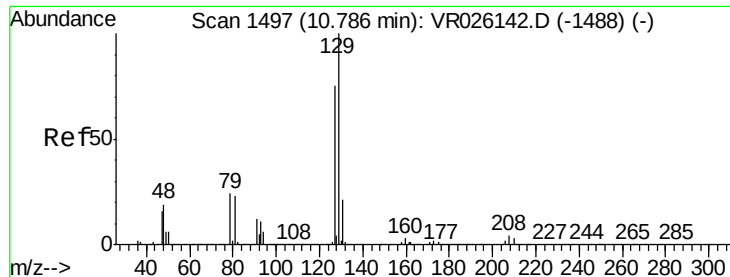
43 100

58 48.6 39.6 59.4

57 15.0 14.0 21.0

100 11.5 7.0 10.6#





#49

Dibromochloromethane

Concen: 0.250 ug/L

RT: 10.78 min Scan# 1496

Delta R.T. -0.01 min

Lab File: VR026151.D

Acq: 19 Oct 2018 15:44

Instrument :

MSVOA_R

ClientSampleId :

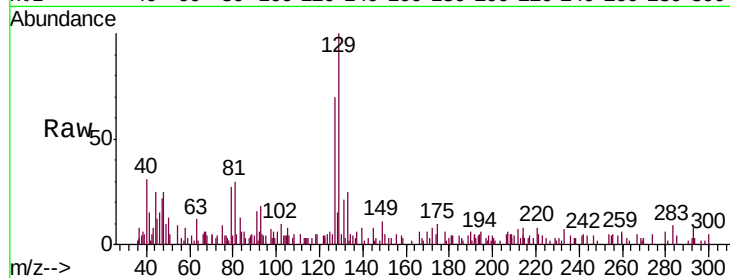
VHBLK01

Tgt Ion:129 Resp: 4472

Ion Ratio Lower Upper

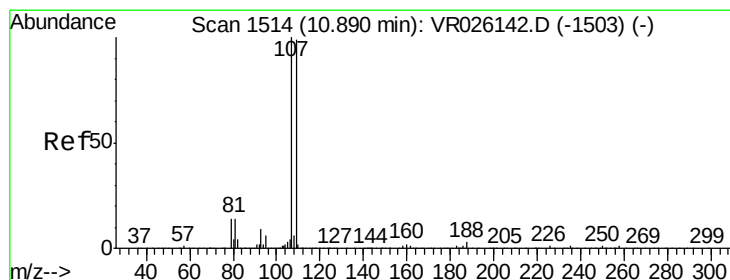
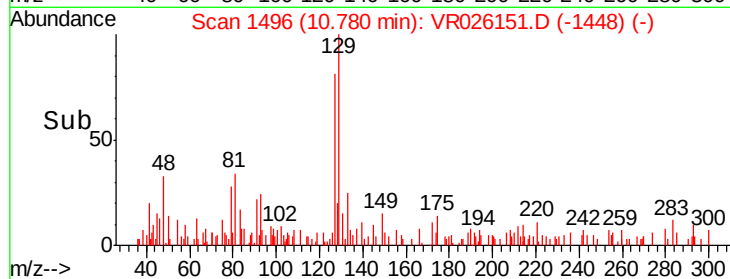
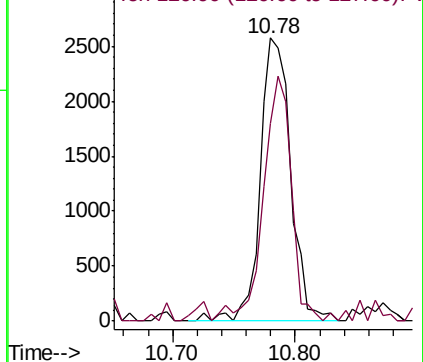
129 100

127 69.6 55.0 102.2



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#50

1,2-Dibromoethane

Concen: 0.267 ug/L

RT: 10.89 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VR026151.D

Acq: 19 Oct 2018 15:44

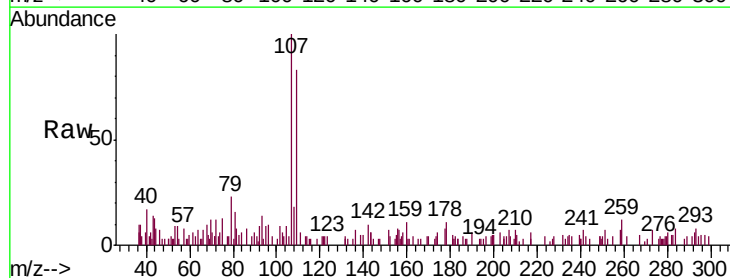
Tgt Ion:107 Resp: 3667

Ion Ratio Lower Upper

107 100

109 82.6 58.7 109.1

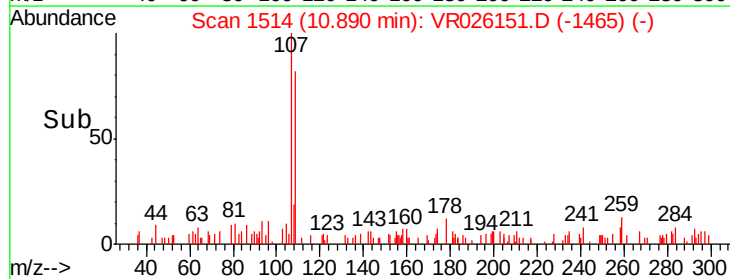
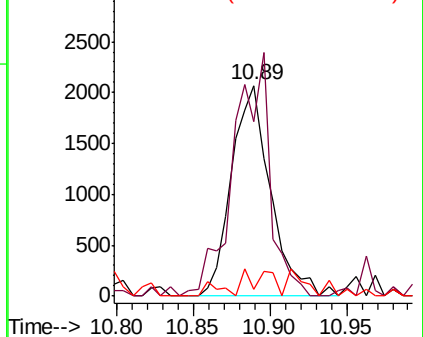
188 3.5 2.9 4.3

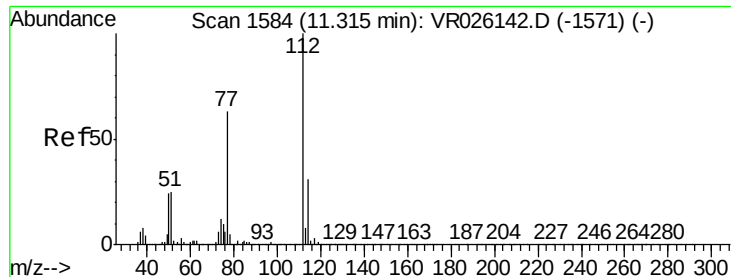


Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V





#51

Chlorobenzene

Concen: 0.276 ug/L

RT: 11.32 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VR026151.D

Acq: 19 Oct 2018 15:44

Instrument :

MSVOA_R

ClientSampleId :

VHBLK01

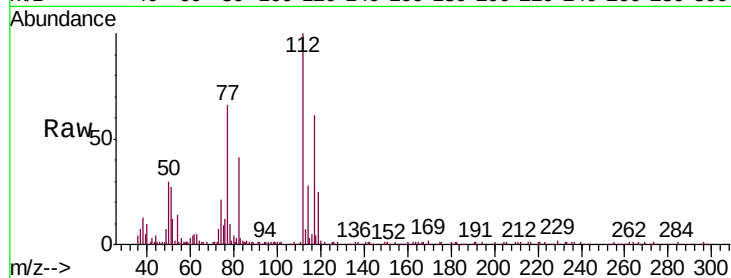
Tgt Ion: 112 Resp: 28890

Ion Ratio Lower Upper

112 100

114 28.4 22.8 42.4

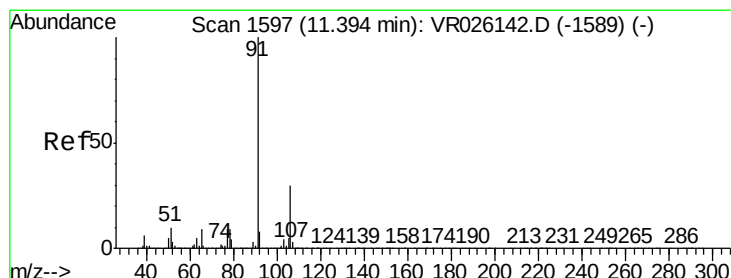
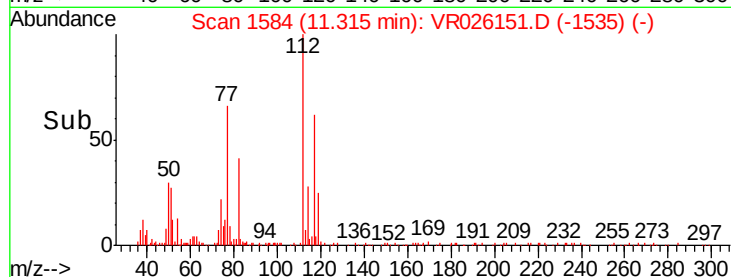
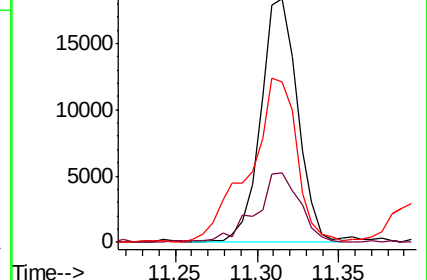
77 66.1 51.5 77.3



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V



#52

Ethylbenzene

Concen: 0.225 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR026151.D

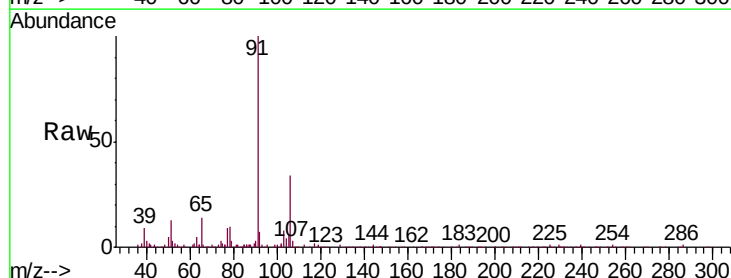
Acq: 19 Oct 2018 15:44

Tgt Ion: 91 Resp: 48842

Ion Ratio Lower Upper

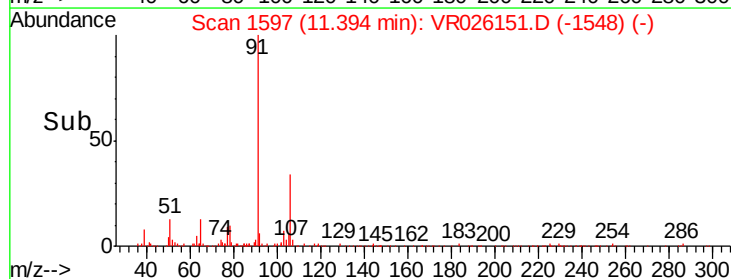
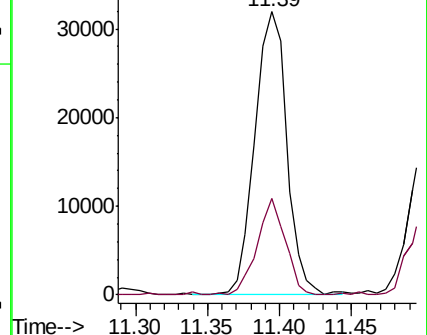
91 100

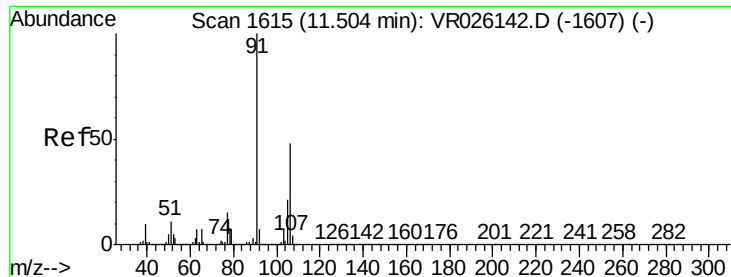
106 34.2 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): V

Ion 106.15 (105.85 to 106.85): V

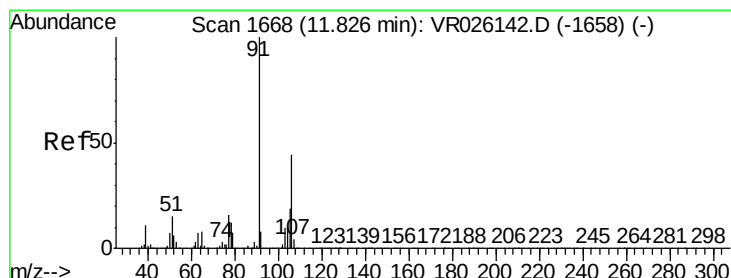
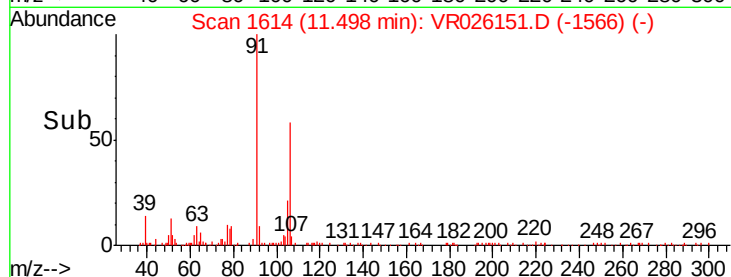
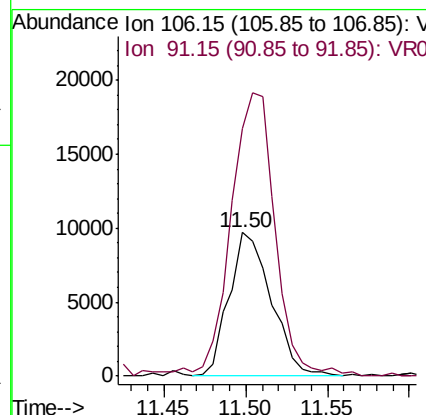
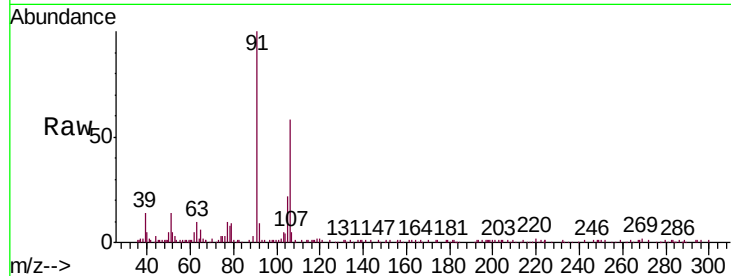




#53
m,p-Xylene
Concen: 0.221 ug/L
RT: 11.50 min Scan# 1614
Delta R.T. -0.01 min
Lab File: VR026151.D
Acq: 19 Oct 2018 15:44

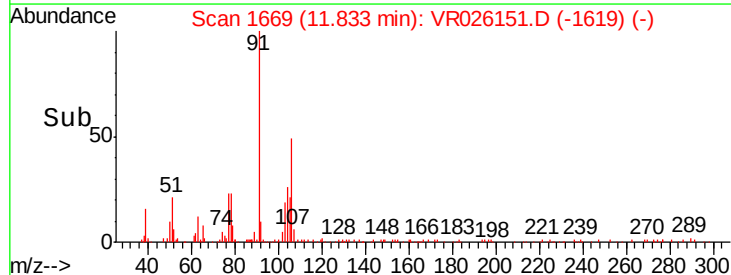
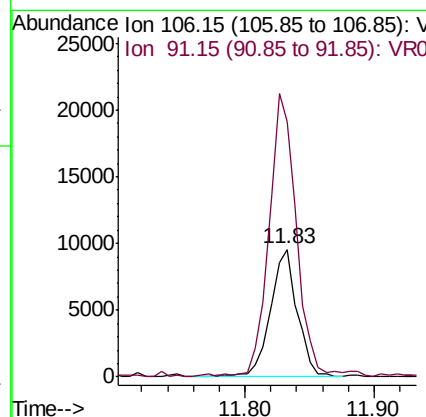
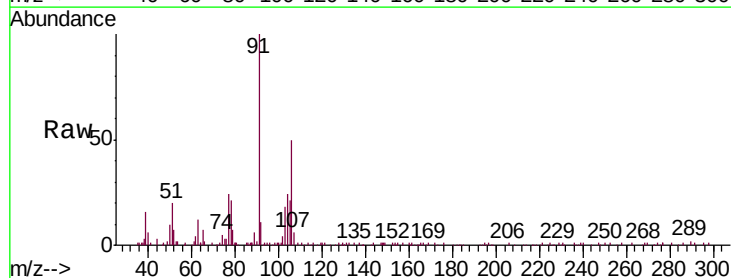
Instrument :
MSVOA_R
ClientSampleId :
VHBLK01

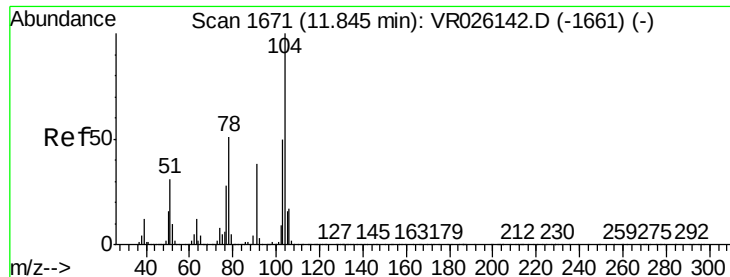
Tgt Ion:106 Resp: 17492
Ion Ratio Lower Upper
106 100
91 172.6 145.3 269.8



#54
o-Xylene
Concen: 0.192 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.01 min
Lab File: VR026151.D
Acq: 19 Oct 2018 15:44

Tgt Ion:106 Resp: 13960
Ion Ratio Lower Upper
106 100
91 200.4 155.8 289.3





#55

Styrene

Concen: 0.177 ug/L

RT: 11.84 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VR026151.D

Acq: 19 Oct 2018 15:44

Instrument :

MSVOA_R

ClientSampleId :

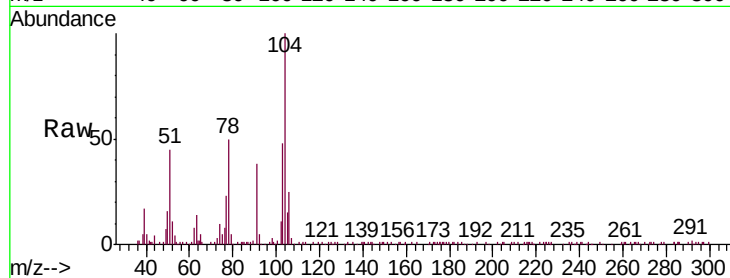
VHBLK01

Tgt Ion:104 Resp: 19707

Ion Ratio Lower Upper

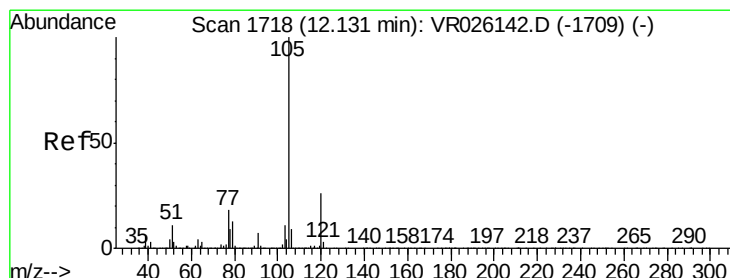
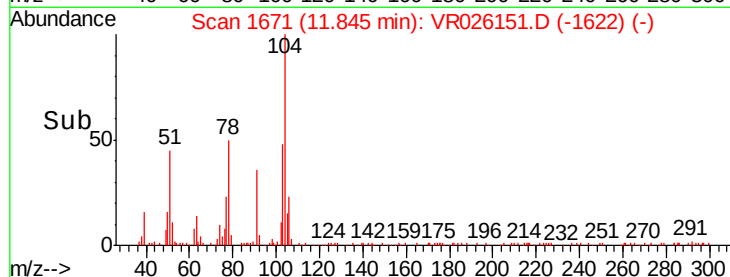
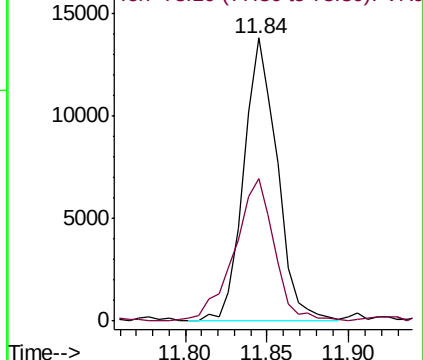
104 100

78 50.3 34.7 64.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VR0



#56

Isopropylbenzene

Concen: 0.188 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026151.D

Acq: 19 Oct 2018 15:44

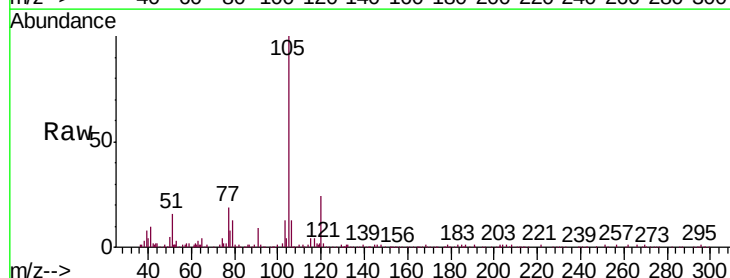
Tgt Ion:105 Resp: 37897

Ion Ratio Lower Upper

105 100

120 23.3 21.0 31.4

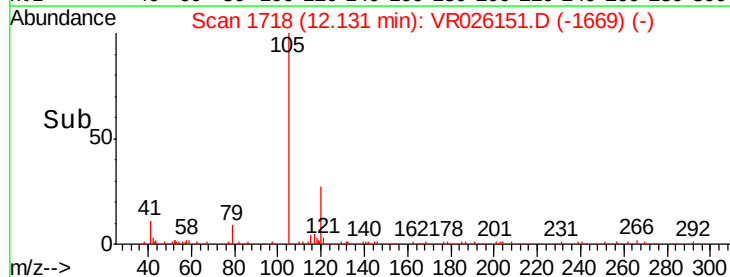
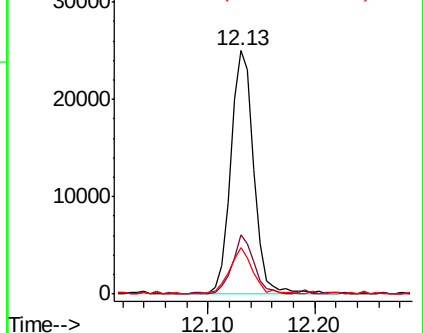
77 19.3 14.6 21.8

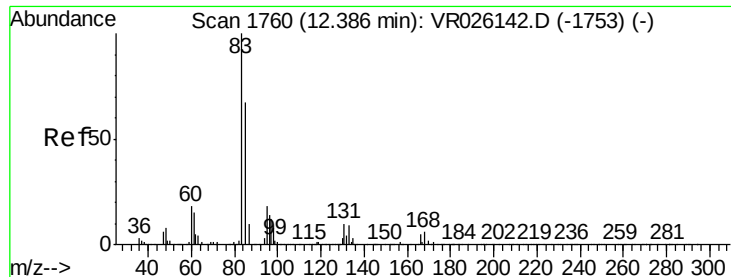


Abundance Ion 105.05 (104.75 to 105.75): V

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: 0.267 ug/L

RT: 12.39 min Scan# 1761

Delta R.T. 0.01 min

Lab File: VR026151.D

Acq: 19 Oct 2018 15:44

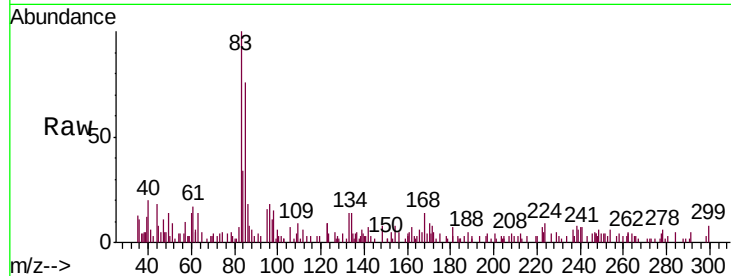
Instrument :

MSVOA_R

ClientSampleId :

VHBLK01

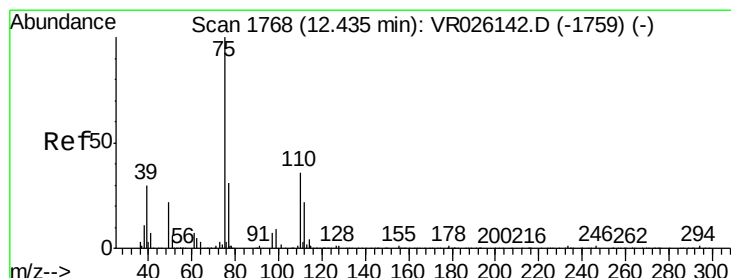
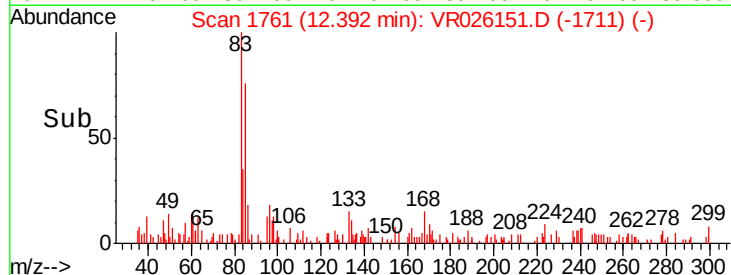
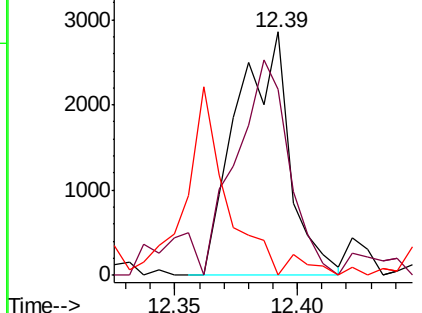
Tgt Ion:	83	Resp:	4314
Ion	Ratio	Lower	Upper
83	100		
85	76.3	44.0	81.8
131	0.0	8.0	12.0#



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): VR0



#59

1,2,3-Trichloropropane

Concen: 0.310 ug/L

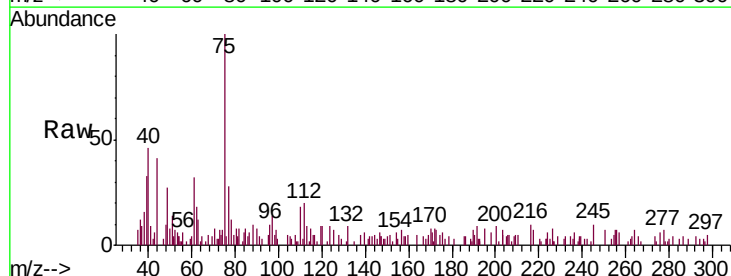
RT: 12.44 min Scan# 1769

Delta R.T. 0.01 min

Lab File: VR026151.D

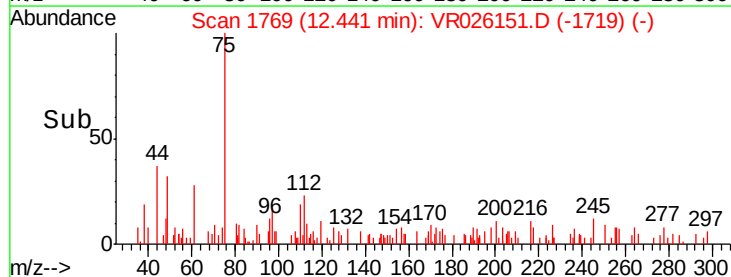
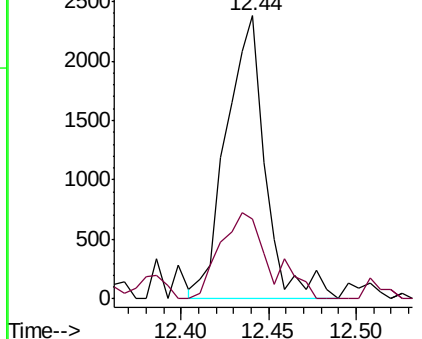
Acq: 19 Oct 2018 15:44

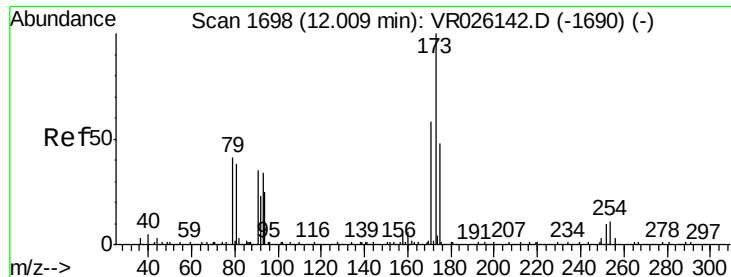
Tgt Ion:	75	Resp:	3679
Ion	Ratio	Lower	Upper
75	100		
77	32.5	26.2	39.2



Abundance Ion 75.00 (74.70 to 75.70): VR0

Ion 77.00 (76.70 to 77.70): VR0





#61

Bromoform

Concen: 0.285 ug/L

RT: 12.00 min Scan# 1697

Delta R.T. -0.01 min

Lab File: VR026151.D

Acq: 19 Oct 2018 15:44

Instrument :

MSVOA_R

ClientSampled :

VHBLK01

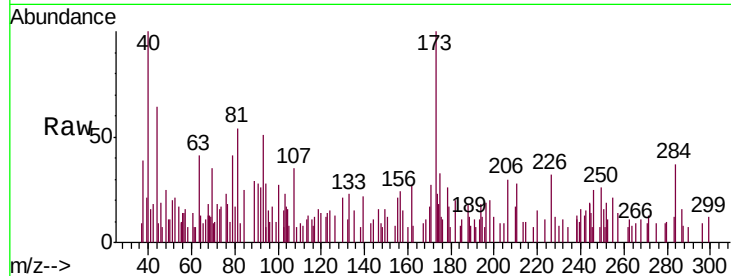
Tgt Ion:173 Resp: 1534

Ion Ratio Lower Upper

173 100

175 54.0 39.0 58.4

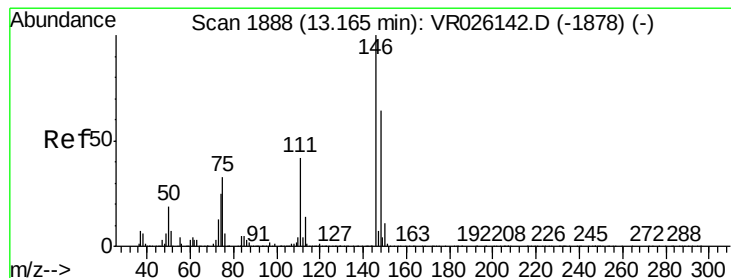
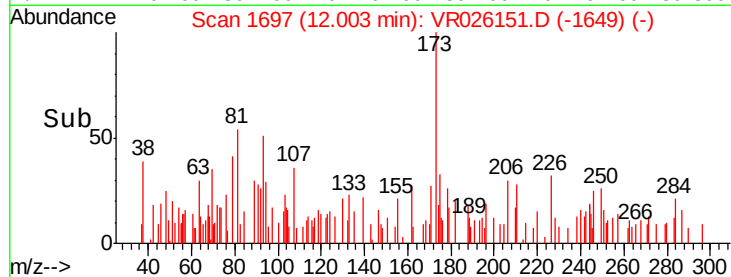
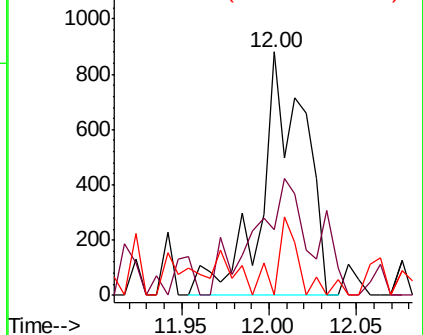
254 17.0 8.1 12.1#



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: 0.254 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. -0.01 min

Lab File: VR026151.D

Acq: 19 Oct 2018 15:44

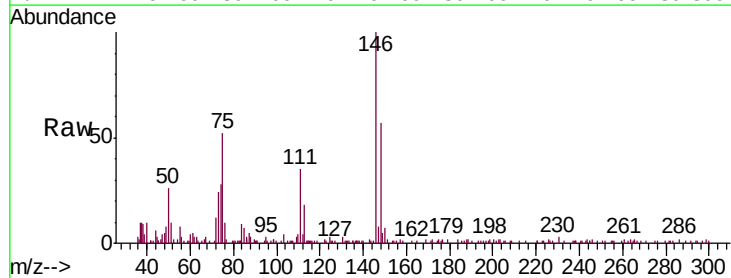
Tgt Ion:146 Resp: 13038

Ion Ratio Lower Upper

146 100

111 34.9 32.1 59.7

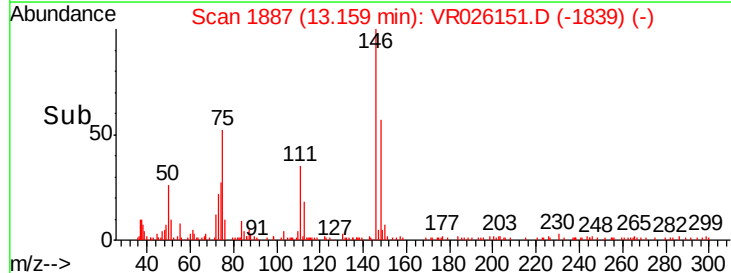
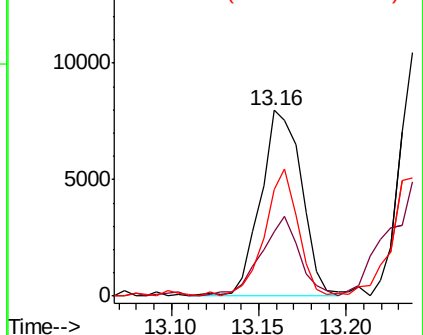
148 57.2 43.8 81.3

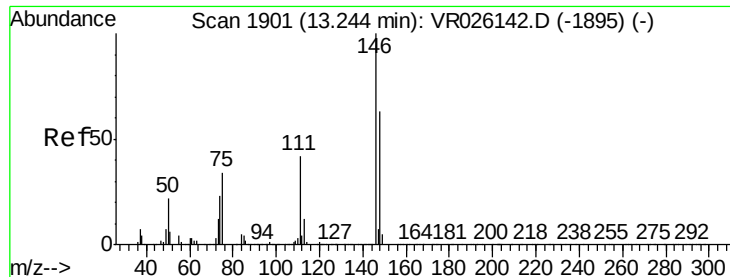


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

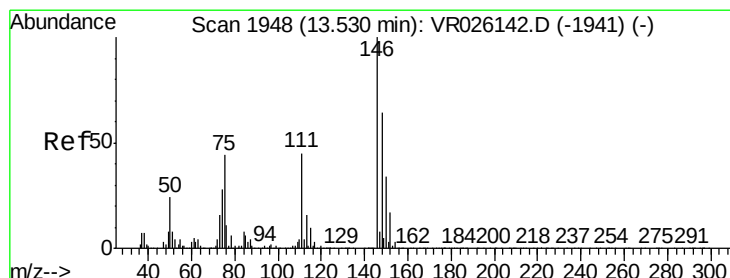
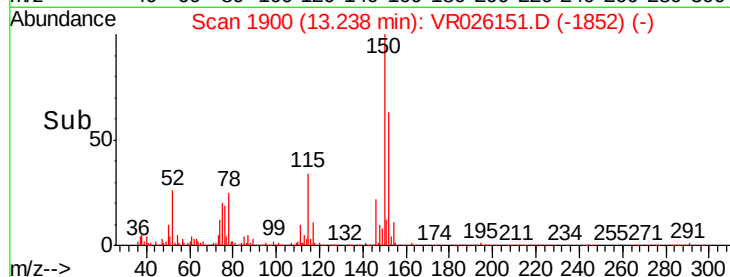
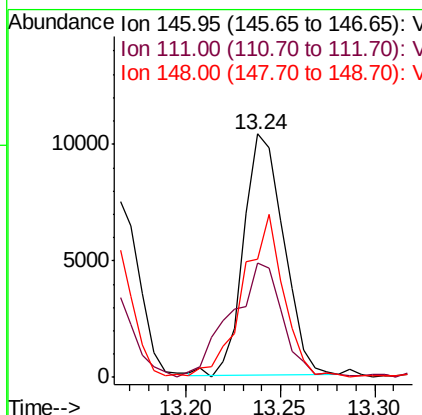
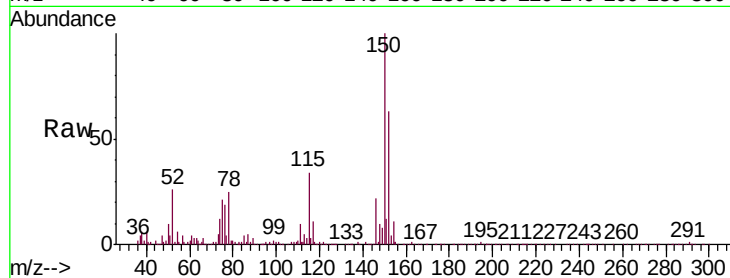




#63
 1,4-Dichlorobenzene
 Concen: 0.288 ug/L
 RT: 13.24 min Scan# 1900
 Delta R.T. -0.01 min
 Lab File: VR026151.D
 Acq: 19 Oct 2018 15:44

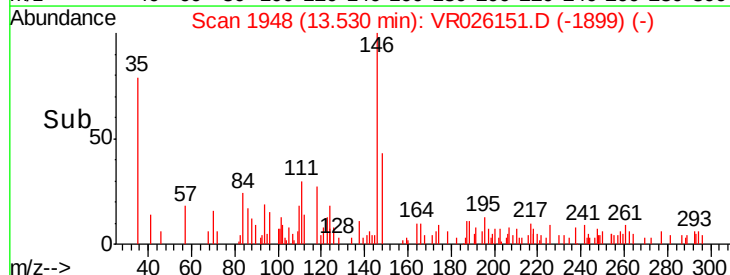
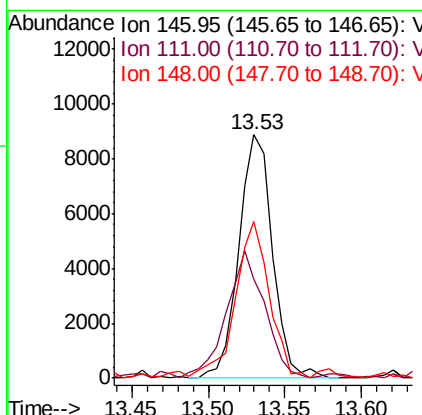
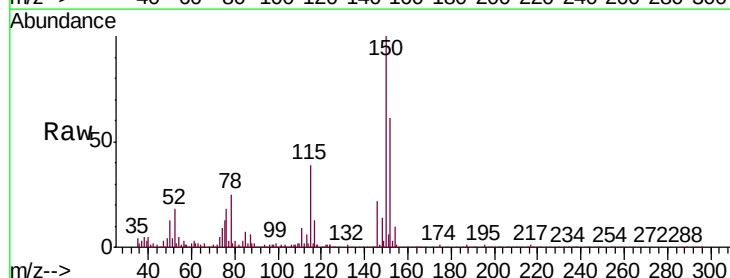
Instrument :
 MSVOA_R
 ClientSampleId :
 VHBLK01

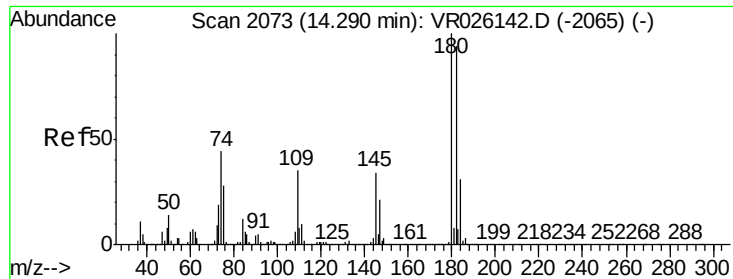
Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.2	32.6	60.6
148	48.3	46.7	86.7



#65
 1,2-Dichlorobenzene
 Concen: 0.328 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. 0.00 min
 Lab File: VR026151.D
 Acq: 19 Oct 2018 15:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	35.2	52.8
148	64.4	51.2	76.8

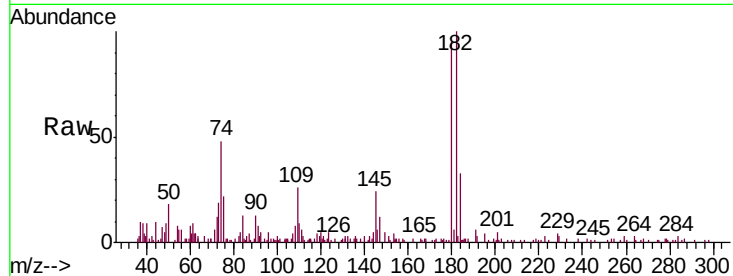




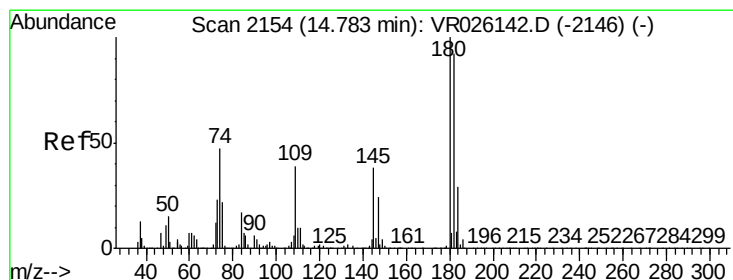
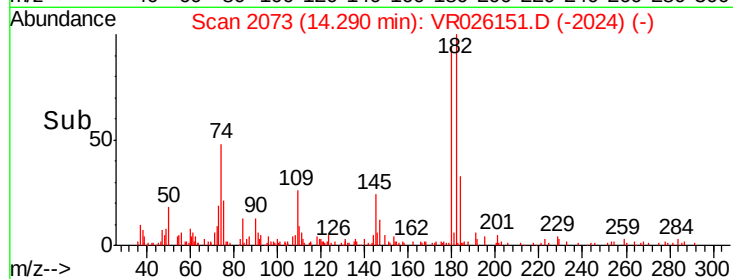
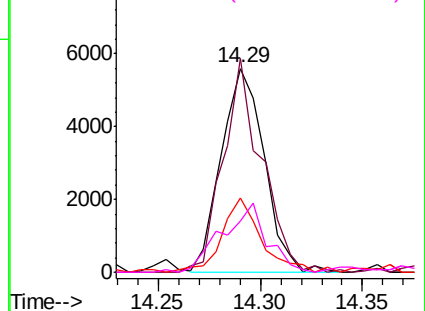
#67
 1,3,5-Trichlorobenzene
 Concen: 0.261 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR026151.D
 Acq: 19 Oct 2018 15:44

Instrument :
 MSVOA_R
 ClientSampleId :
 VHBLK01

Tgt Ion:	180	Resp:	8179
Ion	Ratio	Lower	Upper
180	100		
182	93.4	77.5	116.3
184	32.7	25.0	37.4
145	35.4	27.6	41.4

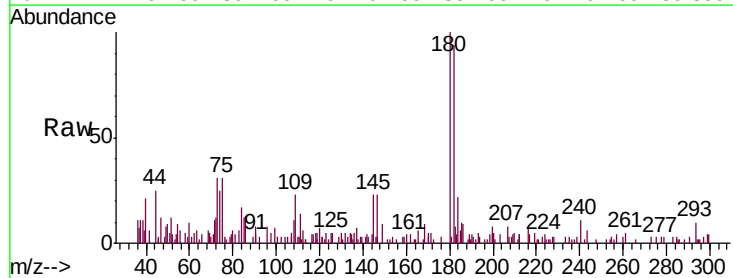


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

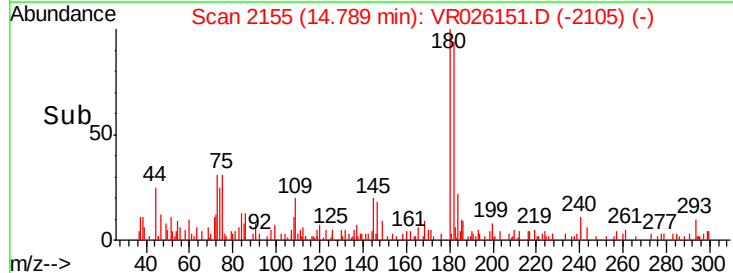
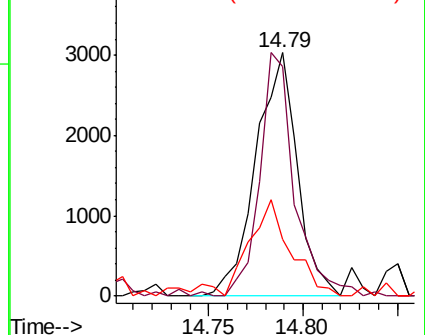


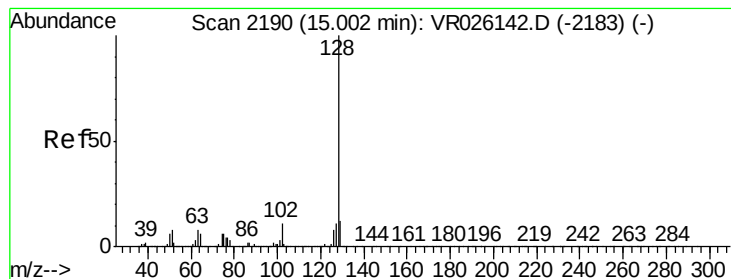
#68
 1,2,4-trichlorobenzene
 Concen: 0.252 ug/L
 RT: 14.79 min Scan# 2155
 Delta R.T. 0.01 min
 Lab File: VR026151.D
 Acq: 19 Oct 2018 15:44

Tgt Ion:	180	Resp:	4601
Ion	Ratio	Lower	Upper
180	100		
182	84.4	76.1	114.1
145	43.2	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: 0.179 ug/L

RT: 15.00 min Scan# 2189

Delta R.T. -0.01 min

Lab File: VR026151.D

Acq: 19 Oct 2018 15:44

Instrument :

MSVOA_R

ClientSampleId :

VHBLK01

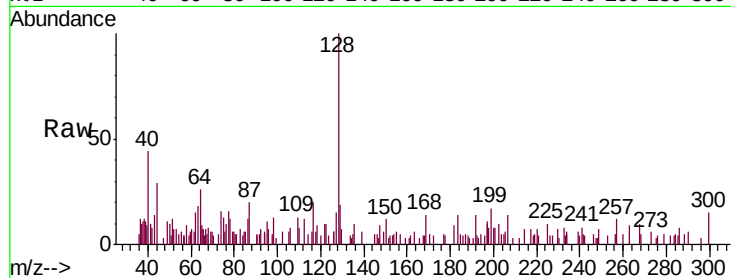
Tgt Ion:128 Resp: 3173

Ion Ratio Lower Upper

128 100

127 12.4 11.0 16.6

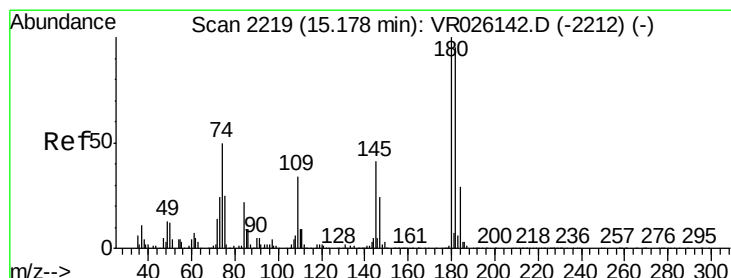
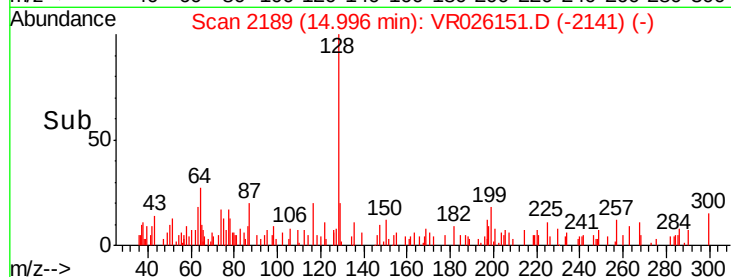
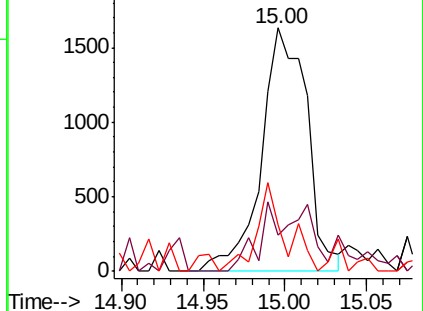
129 23.1 9.1 13.7#



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: 0.231 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR026151.D

Acq: 19 Oct 2018 15:44

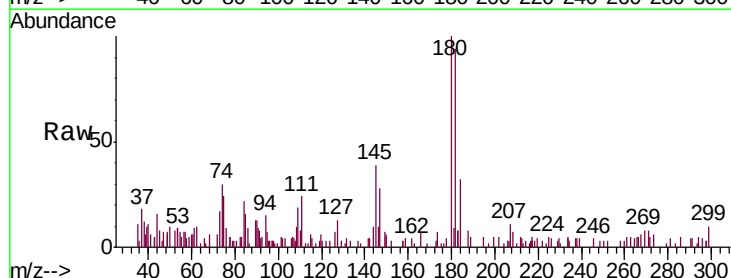
Tgt Ion:180 Resp: 2934

Ion Ratio Lower Upper

180 100

182 108.8 75.7 113.5

145 49.3 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

