

Data File : VR026260.D
Acq On : 21 Nov 2018 14:34
Operator : SY/MD
Sample : VSTDICV005
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VICV82

Quant Time: Nov 27 07:09:47 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112118WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 27 07:05:29 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	604566	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	502971	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	194140	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	258010	4.82	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.40%
7) Chloroethane-d5	2.63	69	216725	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.00%
11) 1,1-Dichloroethene-d2	3.61	63	615348	4.75	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.00%
20) 2-Butanone-d5	6.59	46	219462	53.75	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.50%
24) Chloroform-d	7.20	84	444544	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
26) 1,2-Dichloroethane-d4	7.90	65	171204	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	7.85	84	894802	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
36) 1,2-Dichloropropane-d6	8.90	67	222163	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.60%
41) Toluene-d8	9.97	98	858773	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.80%
43) trans-1,3-Dichloropropene-	10.24	79	61039	5.10	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.00%
46) 2-Hexanone-d5	10.59	63	157527	57.99	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.98%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	91029	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.20%
64) 1,2-Dichlorobenzene-d4	13.52	152	171066	5.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	216847	5.217 ug/L	92
3) Chloromethane	2.01	50	274427	4.791 ug/L	96
5) Vinyl chloride	2.17	62	273711	4.833 ug/L	98
6) Bromomethane	2.53	94	172886	4.561 ug/L	95
8) Chloroethane	2.66	64	159990	4.509 ug/L	99
9) Trichlorofluoromethane	2.93	101	393551	4.303 ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	234455	4.690 ug/L	98
12) 1,1-Dichloroethene	3.62	96	252930	4.681 ug/L	84
13) Acetone	3.70	43	182448	48.822 ug/L	97
14) Carbon disulfide	3.93	76	643943	4.724 ug/L	99
15) Methyl Acetate	4.19	43	46801	4.628 ug/L	100
16) Methylene chloride	4.41	84	215446	4.370 ug/L	95
17) Methyl tert-butyl Ether	4.89	73	254476	4.753 ug/L	97
18) trans-1,2-Dichloroethene	4.89	96	213834	4.675 ug/L	99
19) 1,1-Dichloroethane	5.69	63	384988	4.620 ug/L	94
21) 2-Butanone	6.69	43	244753	51.332 ug/L	97
22) cis-1,2-Dichloroethene	6.67	96	202797	4.966 ug/L #	99

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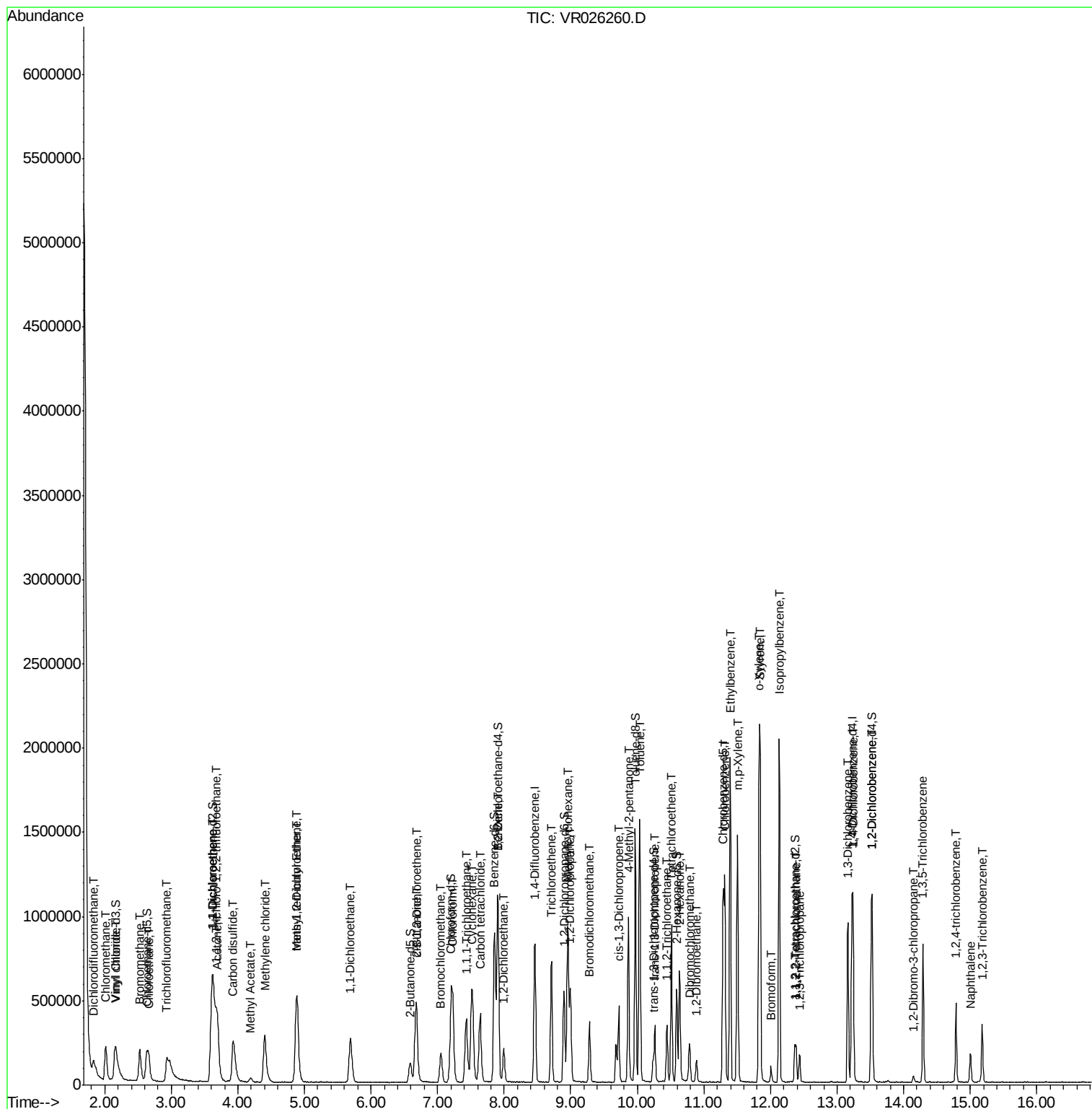
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	58005	4.567	ug/L	91
25) Chloroform	7.23	83	400626	4.355	ug/L	99
27) 1,2-Dichloroethane	7.99	62	177025	4.684	ug/L	98
29) 1,1,1-Trichloroethane	7.43	97	336324	4.831	ug/L	99
30) Cyclohexane	7.52	56	330041	5.519	ug/L	98
31) Carbon tetrachloride	7.63	117	311258	4.988	ug/L	98
33) Benzene	7.91	78	905286	4.968	ug/L	100
34) Trichloroethene	8.71	95	227638	4.806	ug/L	98
35) Methylcyclohexane	8.95	83	338883	5.300	ug/L	99
37) 1,2-Dichloropropane	8.99	63	187612	4.926	ug/L	100
38) Bromodichloromethane	9.28	83	214964	4.779	ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	229668	5.366	ug/L	99
40) 4-Methyl-2-pentanone	9.87	43	602241	55.259	ug/L	99
42) Toluene	10.04	91	988244	4.998	ug/L	98
44) trans-1,3-Dichloropropene	10.26	75	154227	5.320	ug/L	98
45) 1,1,2-Trichloroethane	10.45	97	84239	4.975	ug/L	93
47) Tetrachloroethene	10.51	164	163936	4.802	ug/L	96
48) 2-Hexanone	10.63	43	398938	54.692	ug/L	99
49) Dibromochloromethane	10.79	129	101009	4.960	ug/L	94
50) 1,2-Dibromoethane	10.89	107	70595	4.969	ug/L #	94
51) Chlorobenzene	11.32	112	524286	4.772	ug/L	99
52) Ethylbenzene	11.39	91	1121194	5.129	ug/L	98
53) m,p-Xylene	11.50	106	403776	5.076	ug/L	85
54) o-Xylene	11.83	106	369719	5.129	ug/L	100
55) Styrene	11.84	104	590972	5.147	ug/L	99
56) Isopropylbenzene	12.13	105	1070001	5.343	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	77745	4.799	ug/L #	91
59) 1,2,3-Trichloropropane	12.43	75	56491	4.767	ug/L	94
61) Bromoform	12.01	173	36458	4.783	ug/L	96
62) 1,3-Dichlorobenzene	13.16	146	314535	5.100	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	323416	4.760	ug/L	96
65) 1,2-Dichlorobenzene	13.53	146	254960	5.018	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.14	75	8615	4.545	ug/L #	61
67) 1,3,5-Trichlorobenzene	14.29	180	200957	5.220	ug/L	99
68) 1,2,4-trichlorobenzene	14.79	180	115271	5.393	ug/L	99
69) Naphthalene	15.01	128	115057	5.509	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	85749	5.408	ug/L	99

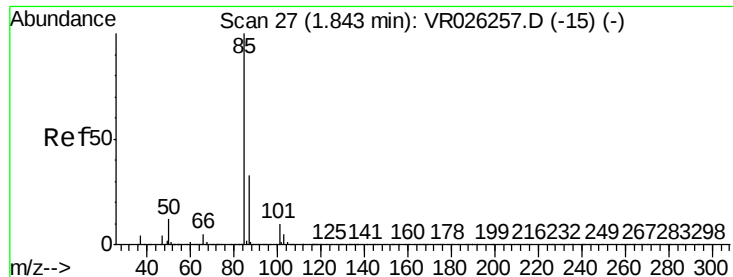
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.217 ug/L

RT: 1.83 min Scan# 25

Delta R.T. -0.01 min

Lab File: VR026260.D

Acq: 21 Nov 2018 14:34

Instrument :

MSVOA_R

ClientSampleId :

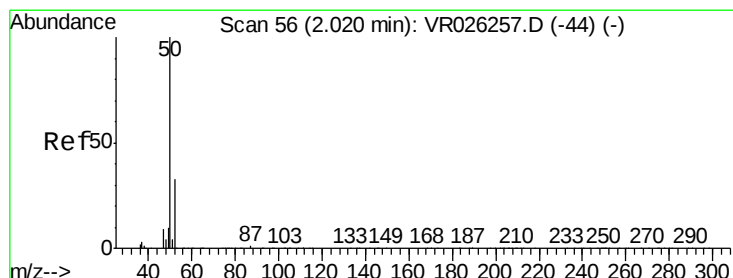
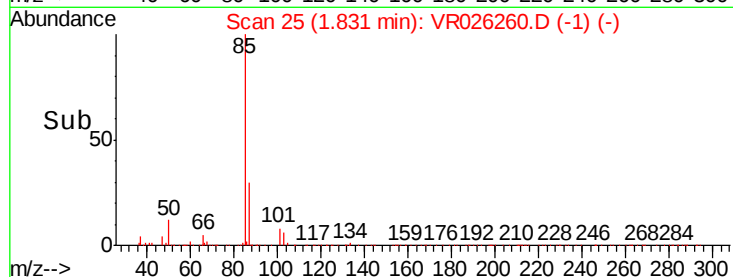
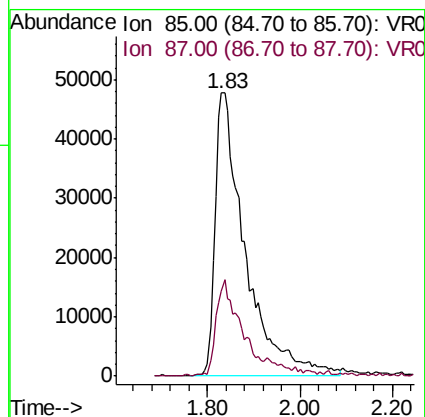
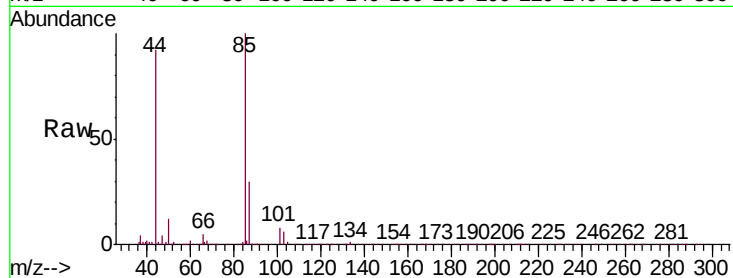
VICV82

Tgt Ion: 85 Resp: 216847

Ion Ratio Lower Upper

85 100

87 27.3 25.6 38.4



#3

Chloromethane

Concen: 4.791 ug/L

RT: 2.01 min Scan# 55

Delta R.T. -0.01 min

Lab File: VR026260.D

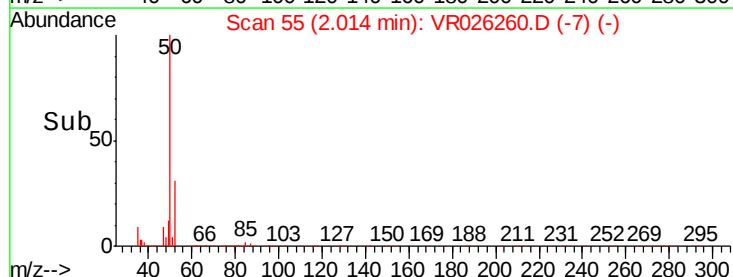
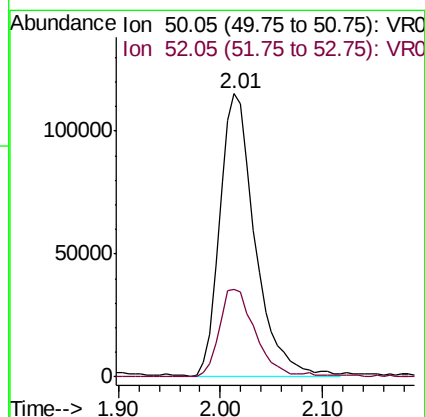
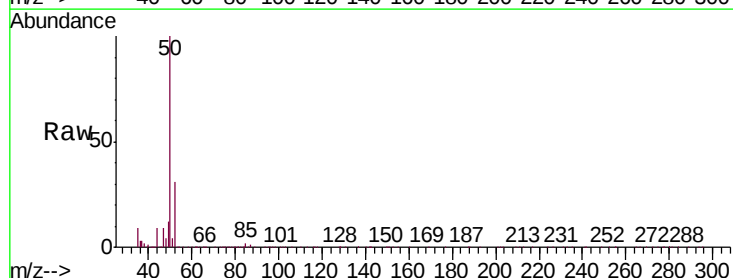
Acq: 21 Nov 2018 14:34

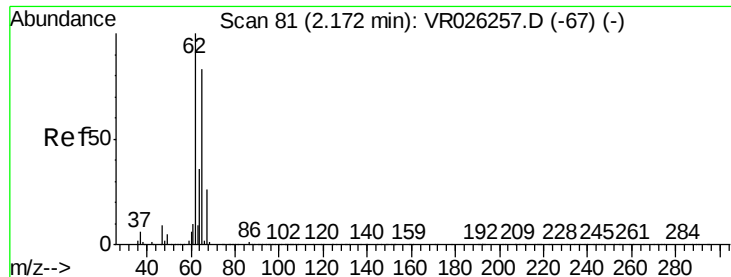
Tgt Ion: 50 Resp: 274427

Ion Ratio Lower Upper

50 100

52 30.9 23.0 42.8





#5

Vinyl chloride

Concen: 4.833 ug/L

RT: 2.17 min Scan# 81

Delta R.T. 0.00 min

Lab File: VR026260.D

Acq: 21 Nov 2018 14:34

Instrument :

MSVOA_R

ClientSampleId :

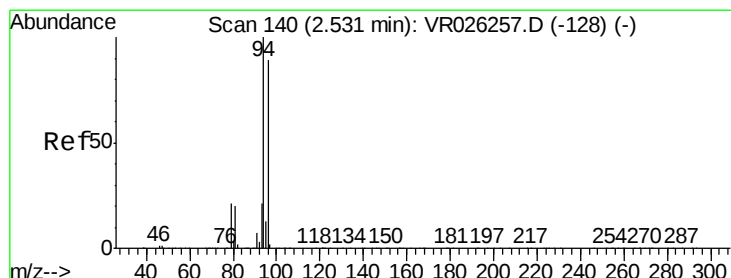
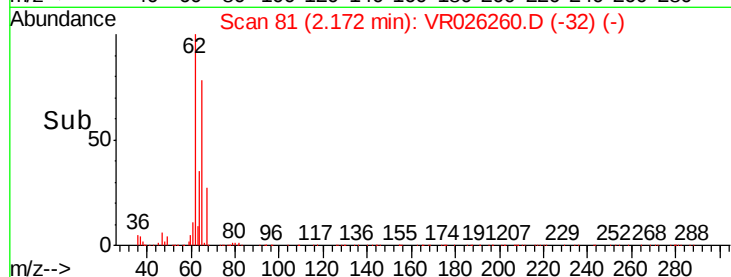
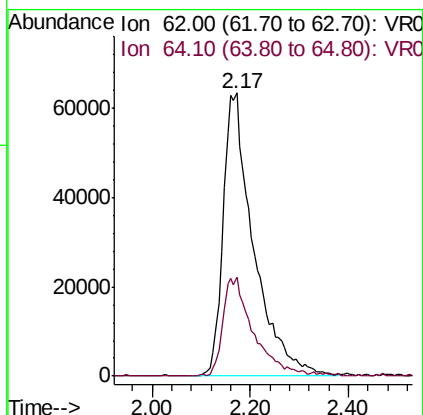
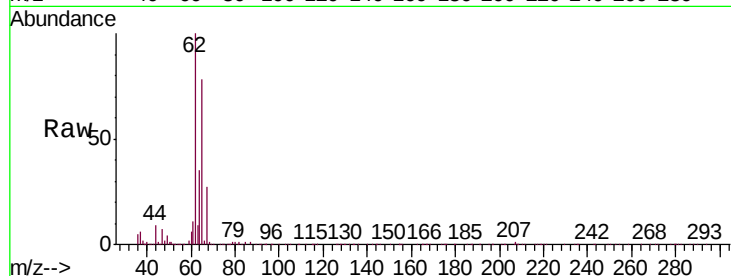
VICV82

Tgt Ion: 62 Resp: 273711

Ion Ratio Lower Upper

62 100

64 35.0 25.1 46.7



#6

Bromomethane

Concen: 4.561 ug/L

RT: 2.53 min Scan# 140

Delta R.T. 0.00 min

Lab File: VR026260.D

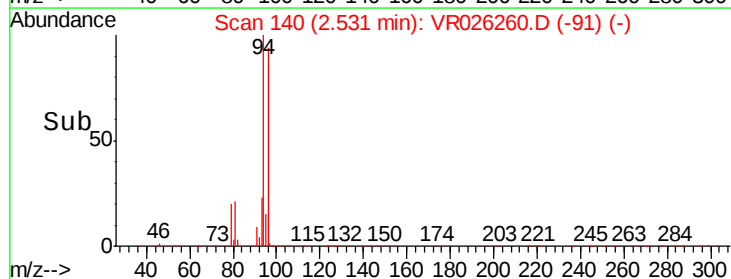
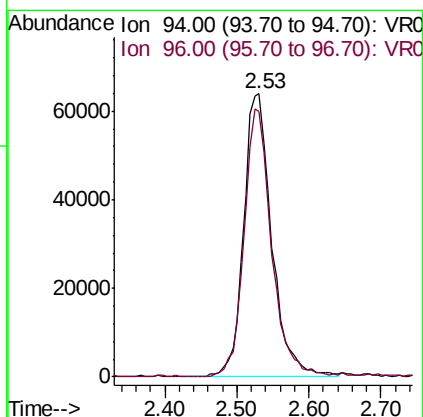
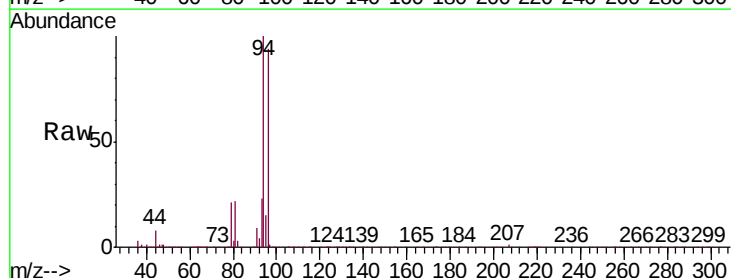
Acq: 21 Nov 2018 14:34

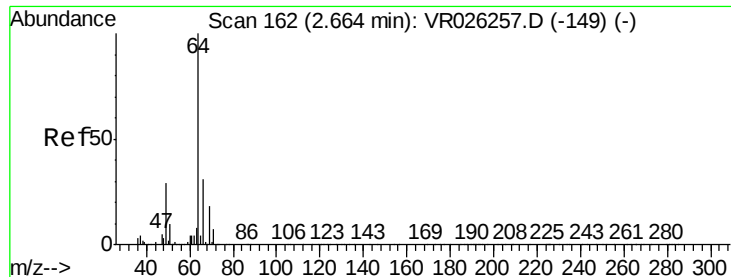
Tgt Ion: 94 Resp: 172886

Ion Ratio Lower Upper

94 100

96 93.7 62.4 115.8





#8

Chloroethane

Concen: 4.509 ug/L

RT: 2.66 min Scan# 162

Delta R.T. 0.00 min

Lab File: VR026260.D

Acq: 21 Nov 2018 14:34

Instrument :

MSVOA_R

ClientSampleId :

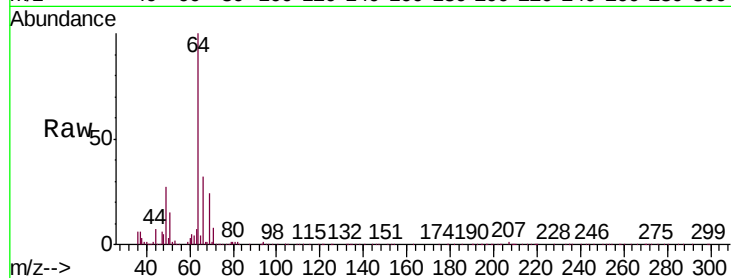
VICV82

Tgt Ion: 64 Resp: 159990

Ion Ratio Lower Upper

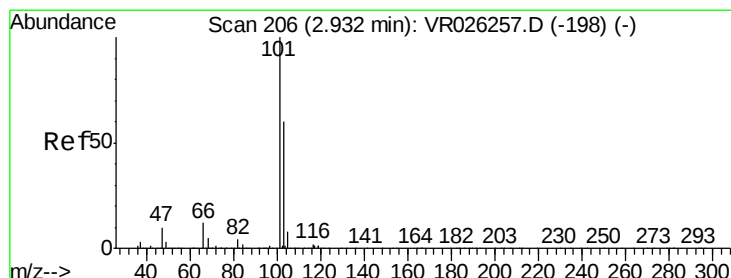
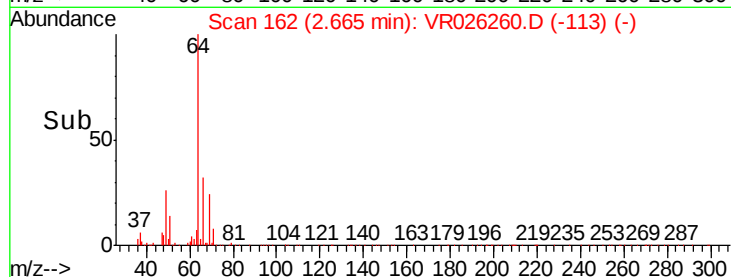
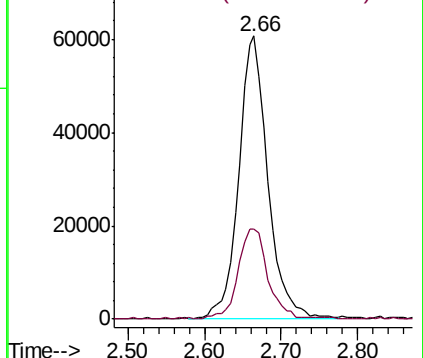
64 100

66 31.8 21.9 40.7



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0



#9

Trichlorofluoromethane

Concen: 4.303 ug/L

RT: 2.93 min Scan# 206

Delta R.T. 0.00 min

Lab File: VR026260.D

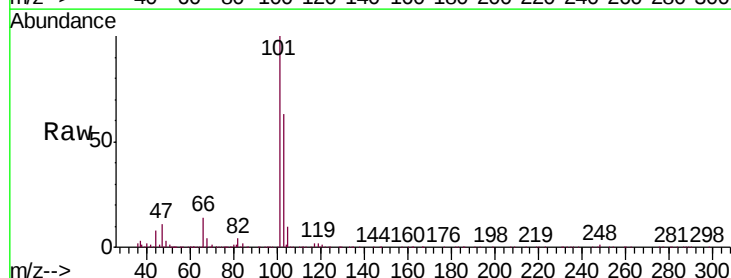
Acq: 21 Nov 2018 14:34

Tgt Ion: 101 Resp: 393551

Ion Ratio Lower Upper

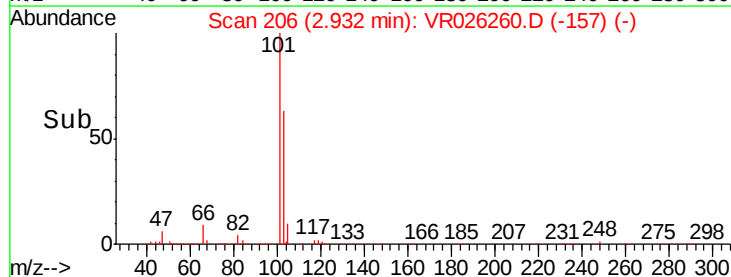
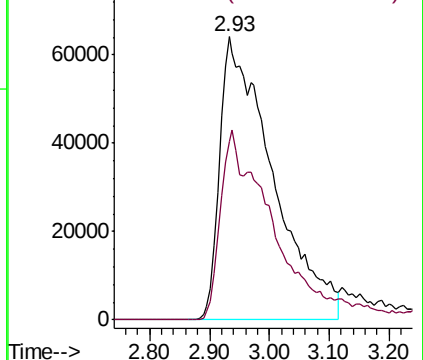
101 100

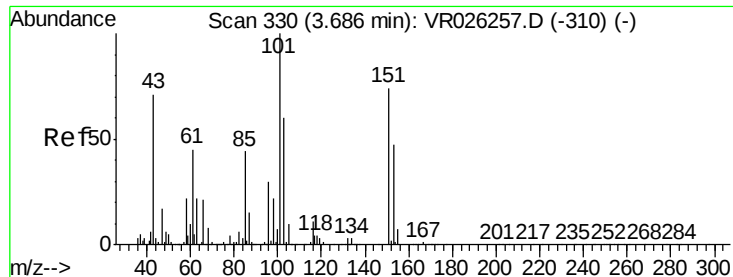
103 26.7 18.3 27.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 4.690 ug/L

RT: 3.68 min Scan# 329

Delta R.T. -0.01 min

Lab File: VR026260.D

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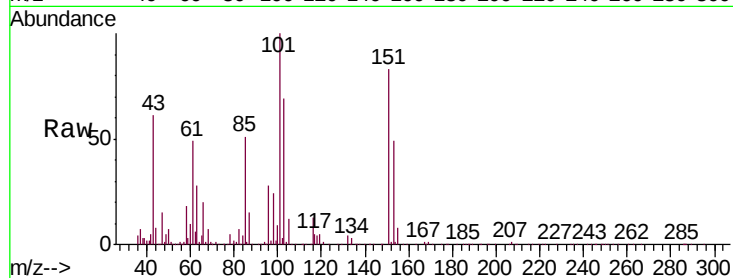
Tgt Ion: 101 Resp: 234455

Ion Ratio Lower Upper

101 100

85 47.2 37.0 55.6

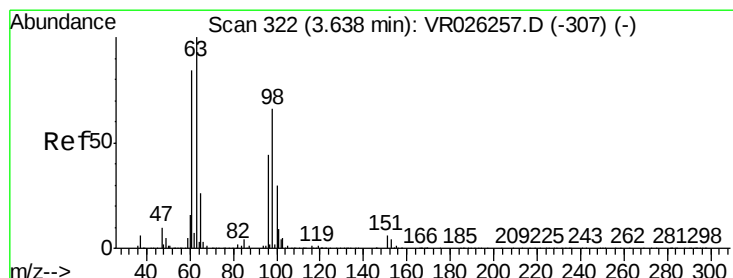
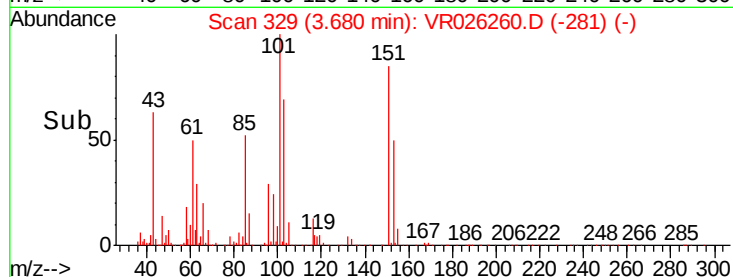
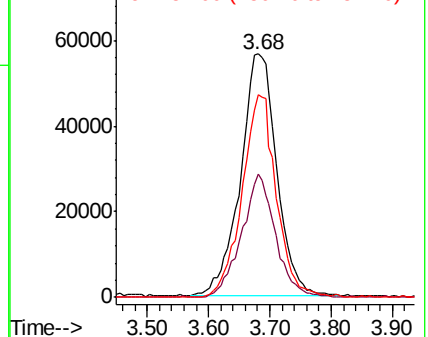
151 78.5 61.1 91.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.681 ug/L

RT: 3.62 min Scan# 319

Delta R.T. -0.02 min

Lab File: VR026260.D

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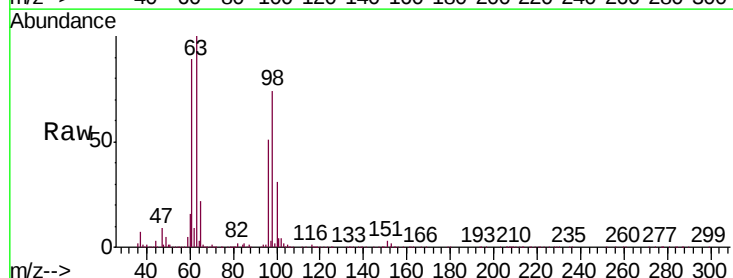
Tgt Ion: 96 Resp: 252930

Ion Ratio Lower Upper

96 100

61 175.4 135.5 251.7

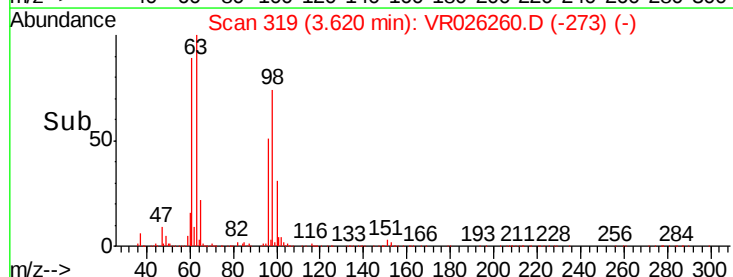
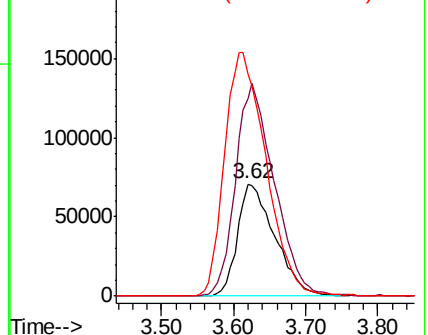
63 197.1 160.5 298.1

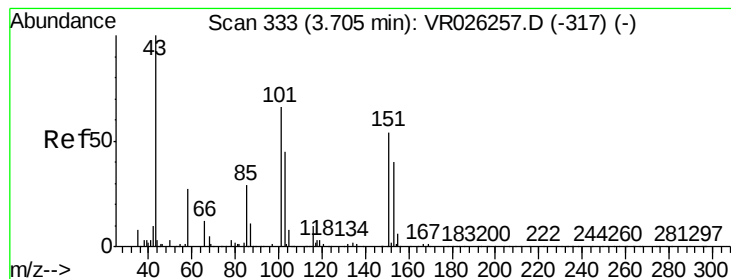


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 48.822 ug/L

RT: 3.70 min Scan# 332

Delta R.T. -0.01 min

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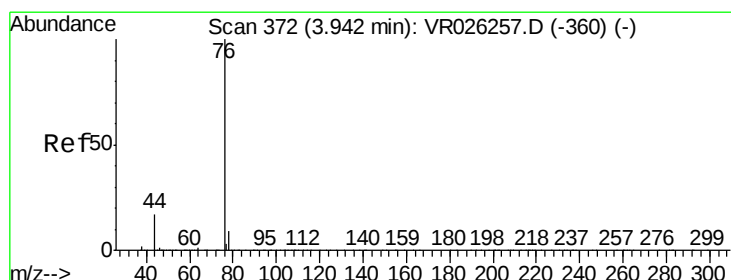
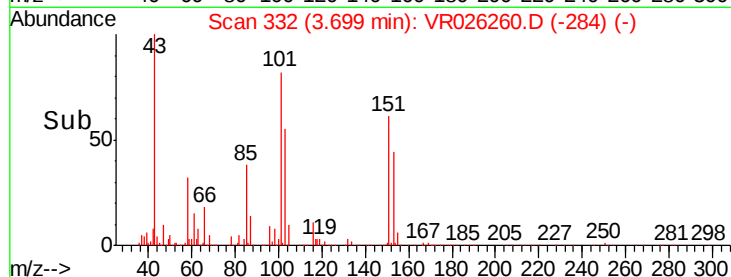
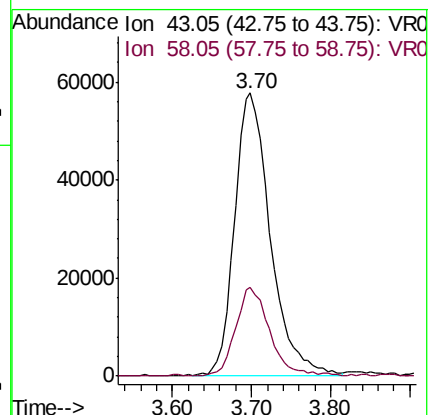
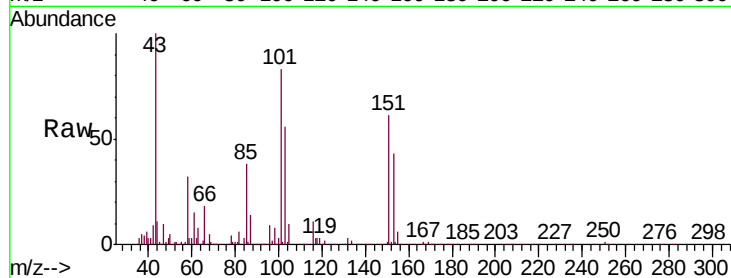
VICV82

Tgt Ion: 43 Resp: 182448

Ion Ratio Lower Upper

43 100

58 30.0 0.0 57.0



#14

Carbon disulfide

Concen: 4.724 ug/L

RT: 3.93 min Scan# 370

Delta R.T. -0.01 min

Lab File: VR026260.D

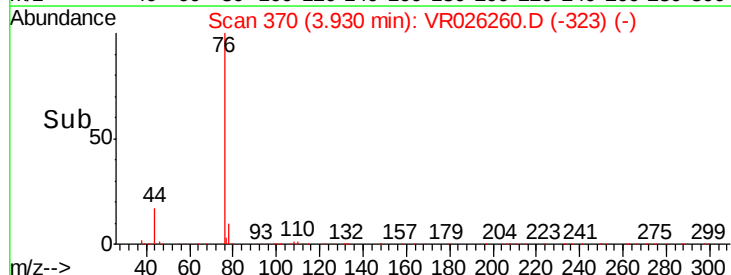
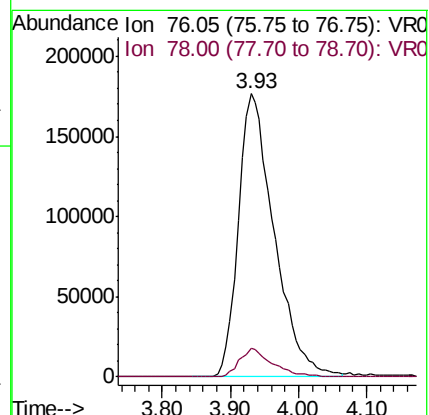
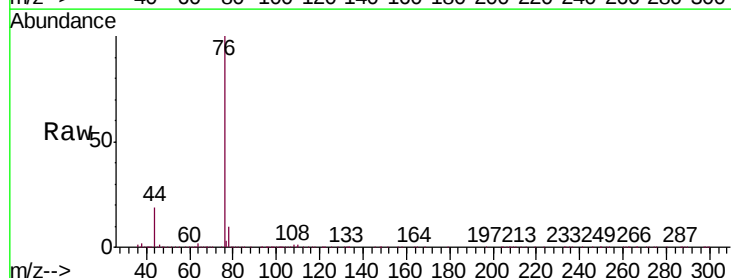
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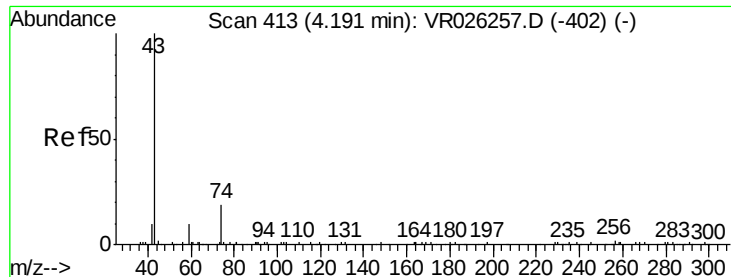
Tgt Ion: 76 Resp: 643943

Ion Ratio Lower Upper

76 100

78 10.1 7.7 11.5





#15

Methyl Acetate

Concen: 4.628 ug/L

RT: 4.19 min Scan# 413

Delta R.T. 0.00 min

Lab File: VR026260.D

Acq: 21 Nov 2018 14:34

Instrument :

MSVOA_R

ClientSampleId :

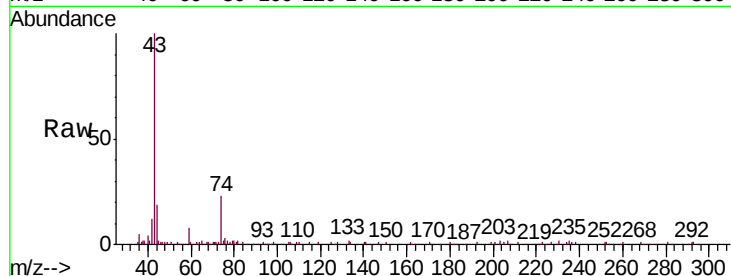
VICV82

Tgt Ion: 43 Resp: 46801

Ion Ratio Lower Upper

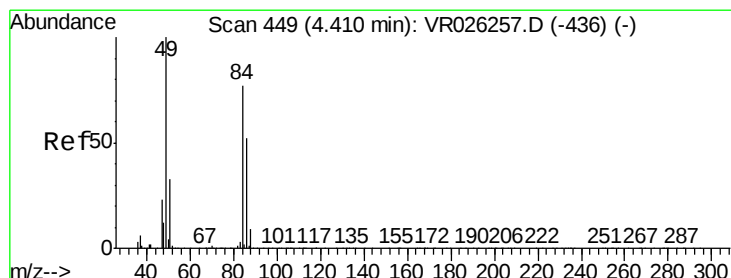
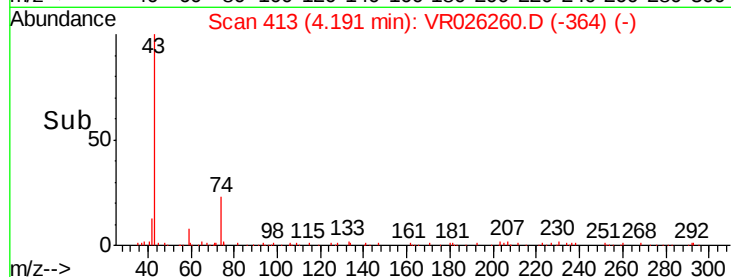
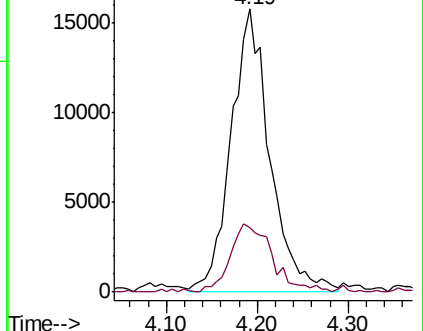
43 100

74 26.1 21.0 31.4



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0



#16

Methylene chloride

Concen: 4.370 ug/L

RT: 4.41 min Scan# 449

Delta R.T. 0.00 min

Lab File: VR026260.D

Acq: 21 Nov 2018 14:34

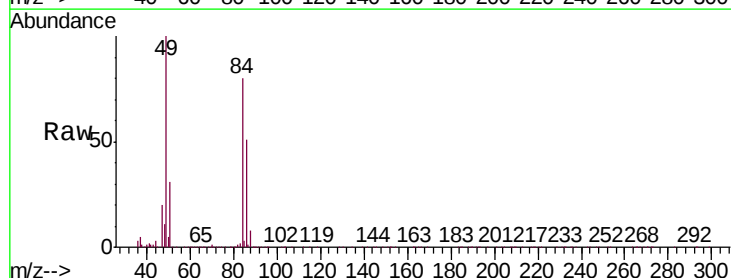
Tgt Ion: 84 Resp: 215446

Ion Ratio Lower Upper

84 100

86 63.1 46.8 87.0

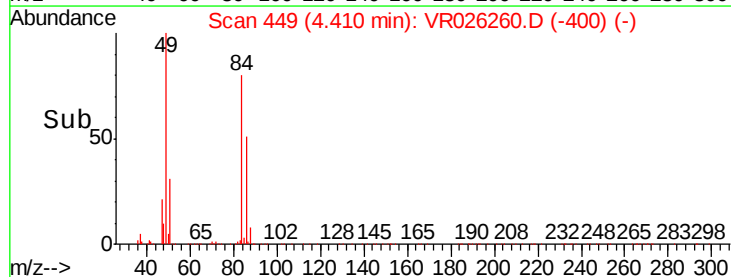
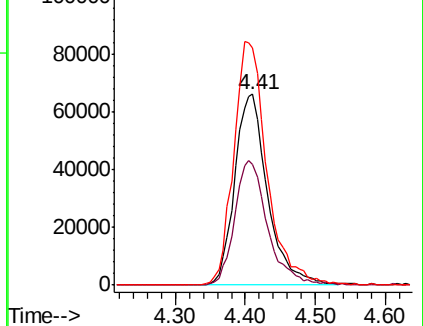
49 124.6 90.8 168.6

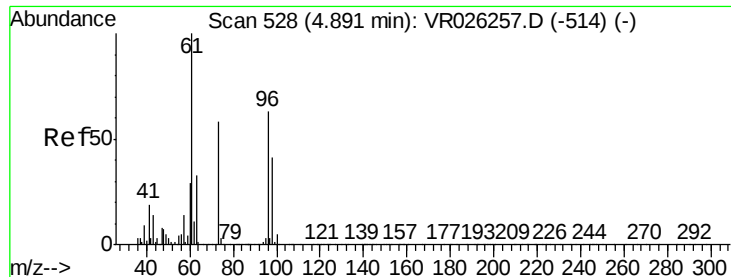


Abundance Ion 84.05 (83.75 to 84.75): VR0

Ion 86.00 (85.70 to 86.70): VR0

Ion 49.10 (48.80 to 49.80): VR0

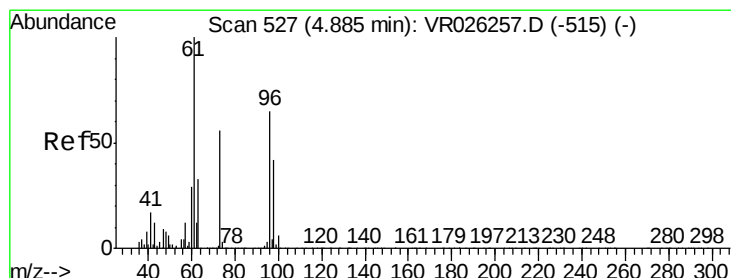
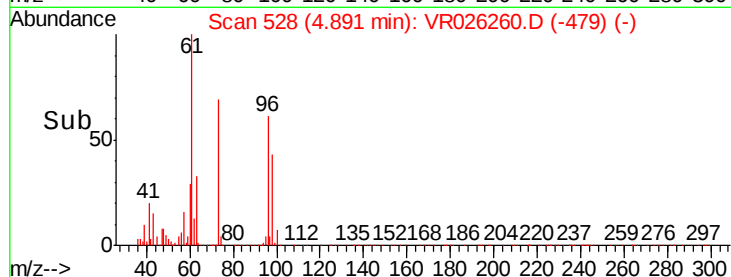
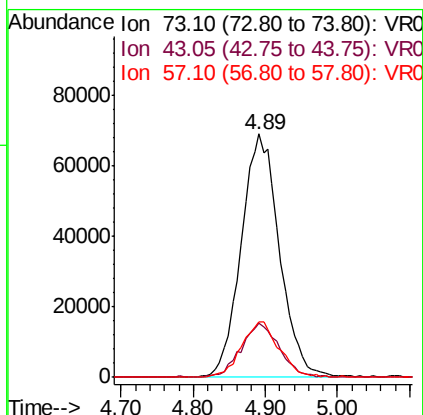
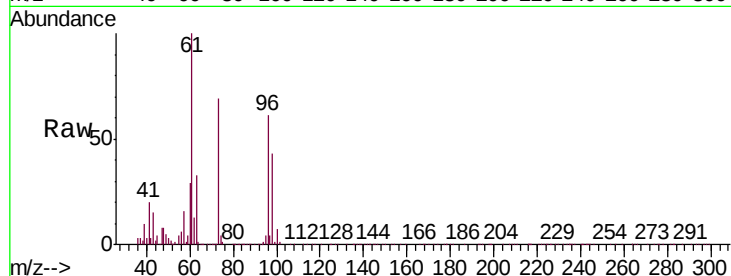




#17
Methyl tert-butyl Ether
Concen: 4.753 ug/L
RT: 4.89 min Scan# 528
Delta R.T. 0.00 min
Lab File: VR026260.D
Acq: 21 Nov 2018 14:34

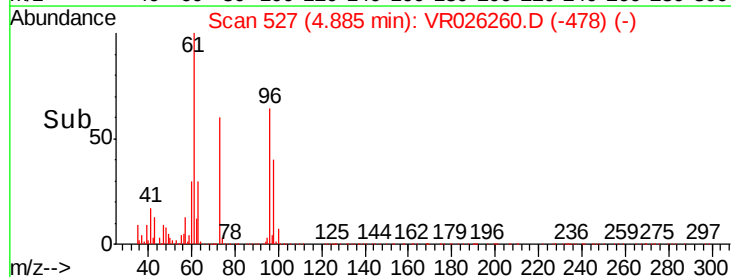
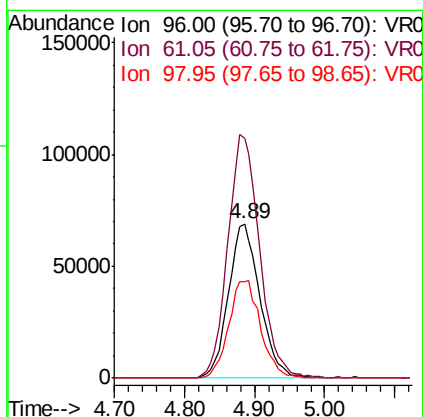
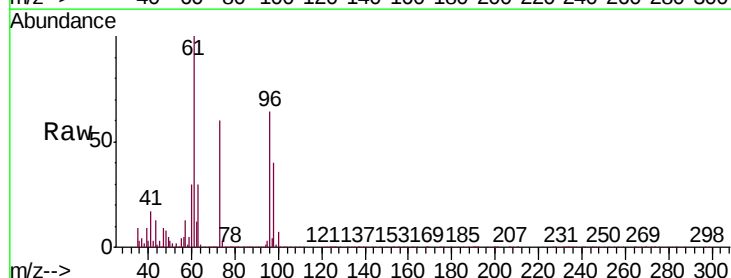
Instrument :
MSVOA_R
ClientSampleId :
VICV82

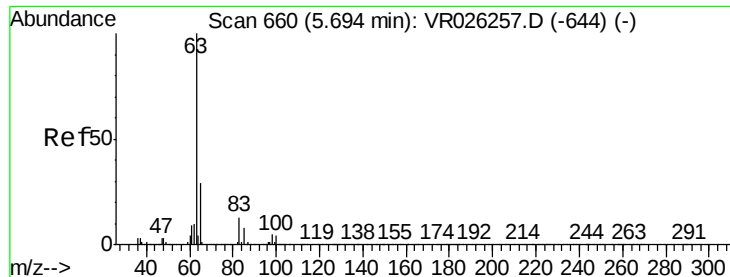
Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.8	19.0	28.6
57	22.6	18.6	28.0



#18
trans-1,2-Dichloroethene
Concen: 4.675 ug/L
RT: 4.89 min Scan# 527
Delta R.T. 0.00 min
Lab File: VR026260.D
Acq: 21 Nov 2018 14:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.3	108.4	201.4
98	62.7	45.2	84.0

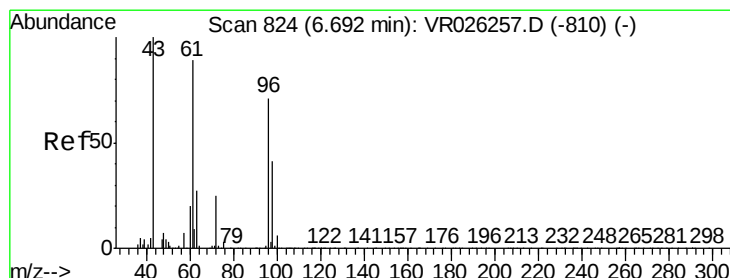
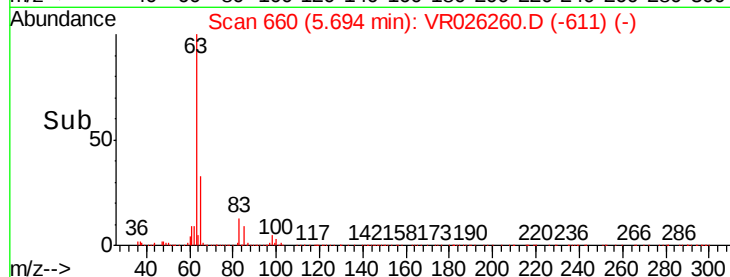
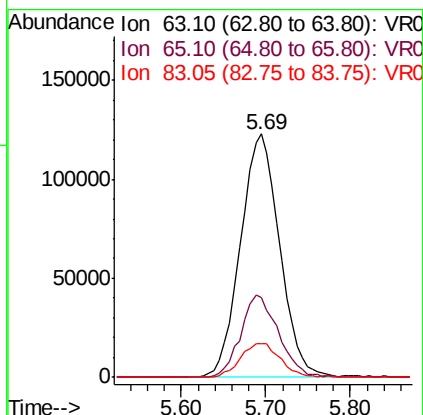
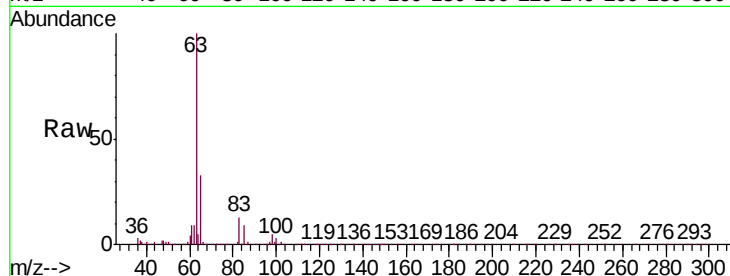




#19
 1,1-Dichloroethane
 Concen: 4.620 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VR026260.D
 Acq: 21 Nov 2018 14:34

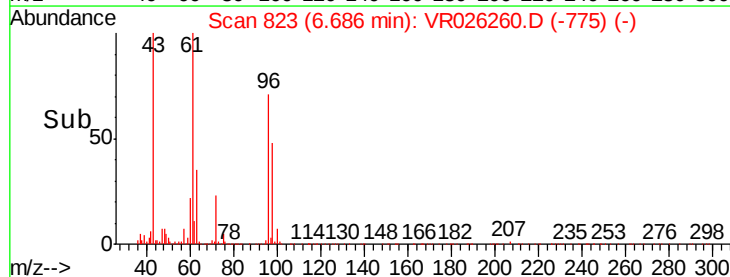
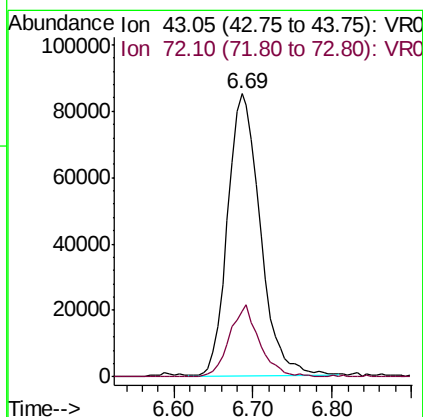
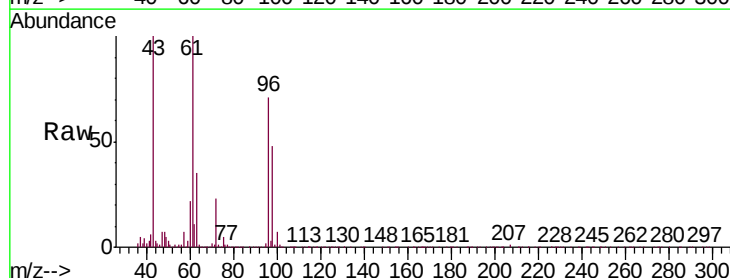
Instrument :
 MSVOA_R
 ClientSampleId :
 VICV82

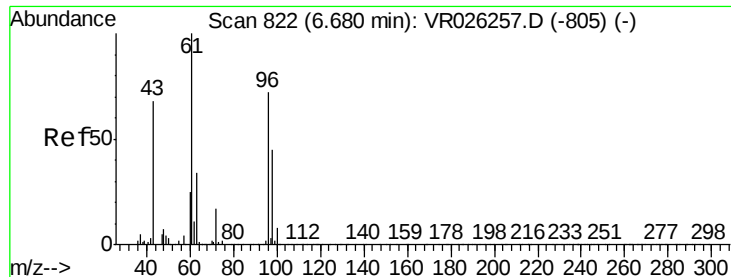
Tgt Ion: 63 Resp: 384988
 Ion Ratio Lower Upper
 63 100
 65 32.6 20.0 37.2
 83 13.8 8.9 16.5



#21
 2-Butanone
 Concen: 51.332 ug/L
 RT: 6.69 min Scan# 823
 Delta R.T. -0.01 min
 Lab File: VR026260.D
 Acq: 21 Nov 2018 14:34

Tgt Ion: 43 Resp: 244753
 Ion Ratio Lower Upper
 43 100
 72 23.2 12.3 36.8



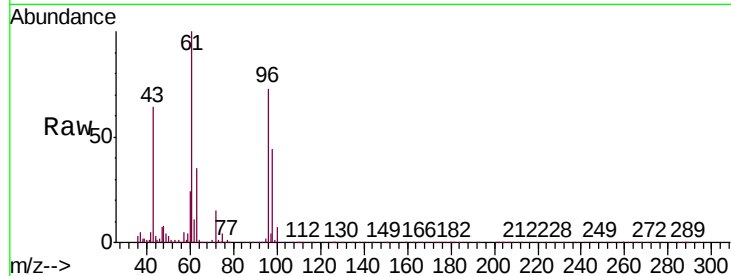


#22

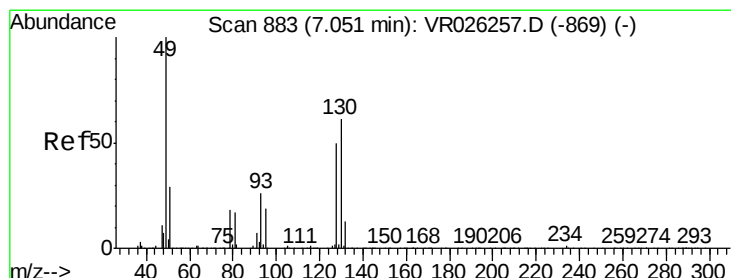
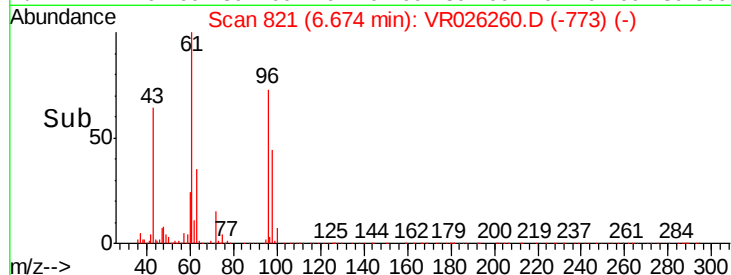
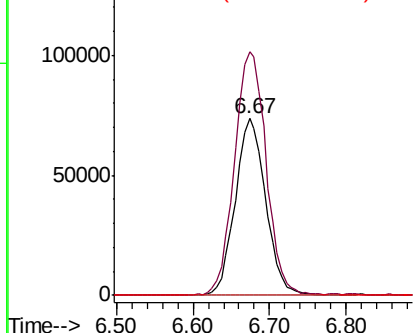
cis-1,2-Dichloroethene
Concen: 4.966 ug/L
RT: 6.67 min Scan# 821
Delta R.T. -0.01 min
Lab File: VR026260.D
Acq: 21 Nov 2018 14:34

Instrument :
MSVOA_R
ClientSampleId :
VICV82

Tgt Ion: 96 Resp: 202797
Ion Ratio Lower Upper
96 100
61 137.7 97.6 181.4
68 0.1 0.0 0.0#



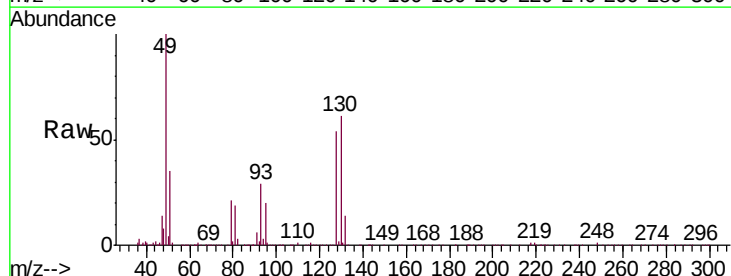
Abundance Ion 96.00 (95.70 to 96.70): VR0
Ion 61.05 (60.75 to 61.75): VR0
Ion 68.15 (67.85 to 68.85): VR0



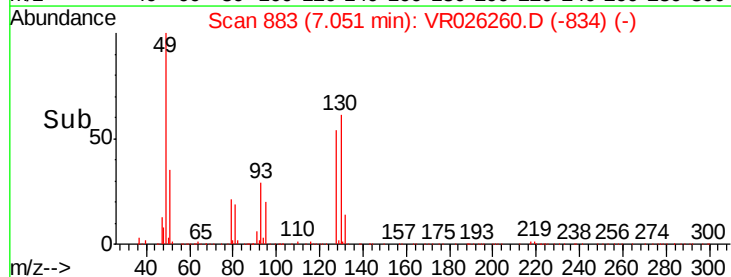
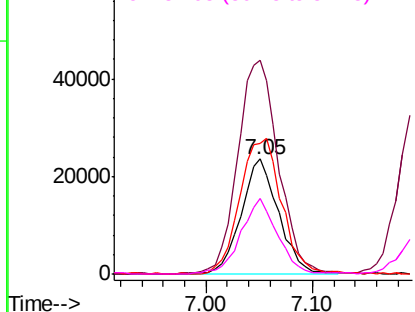
#23

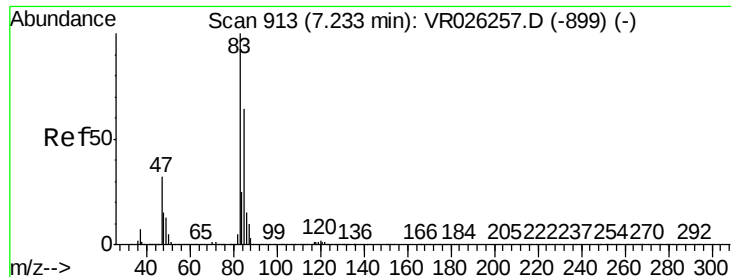
Bromochloromethane
Concen: 4.567 ug/L
RT: 7.05 min Scan# 883
Delta R.T. 0.00 min
Lab File: VR026260.D
Acq: 21 Nov 2018 14:34

Tgt Ion: 128 Resp: 58005
Ion Ratio Lower Upper
128 100
49 185.8 140.3 260.6
130 113.1 85.2 158.2
51 65.5 46.4 69.6



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: 4.355 ug/L

RT: 7.23 min Scan# 912

Delta R.T. -0.01 min

Lab File: VR026260.D

Acq: 21 Nov 2018 14:34

Instrument :

MSVOA_R

ClientSampleId :

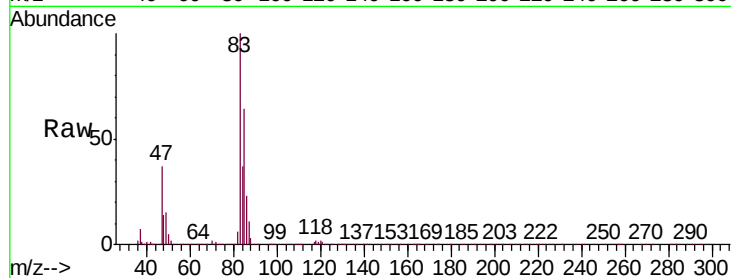
VICV82

Tgt Ion: 83 Resp: 400626

Ion Ratio Lower Upper

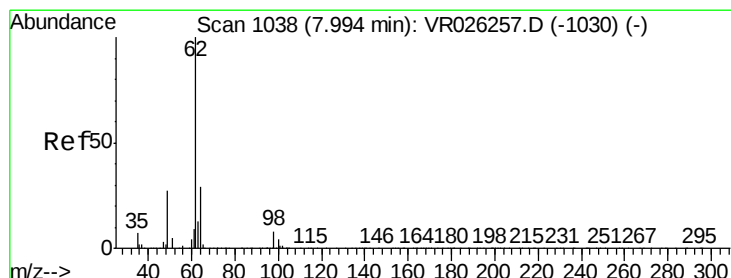
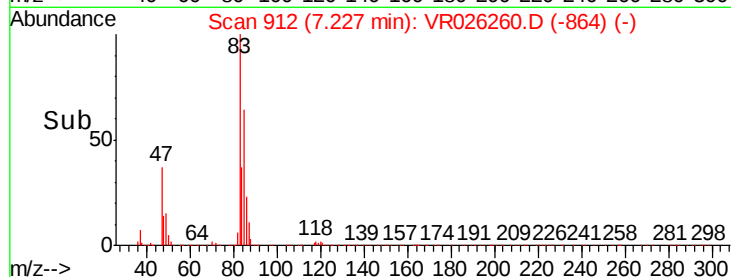
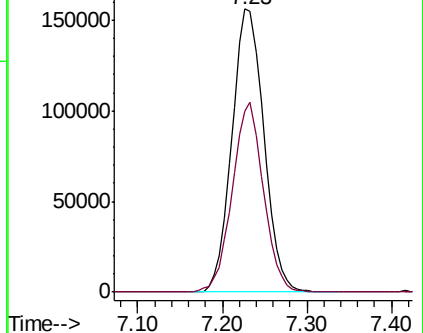
83 100

85 64.1 45.1 83.9



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0



#27

1,2-Dichloroethane

Concen: 4.684 ug/L

RT: 7.99 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VR026260.D

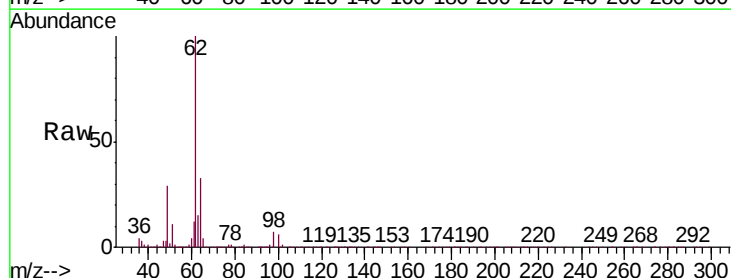
Acq: 21 Nov 2018 14:34

Tgt Ion: 62 Resp: 177025

Ion Ratio Lower Upper

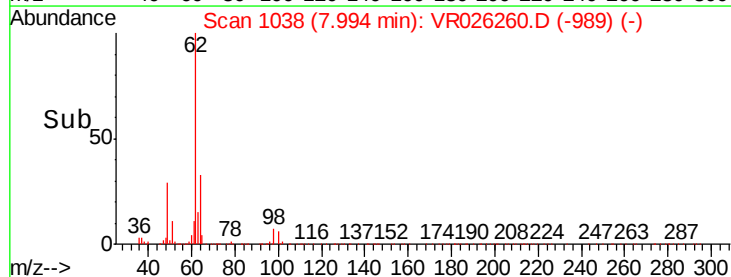
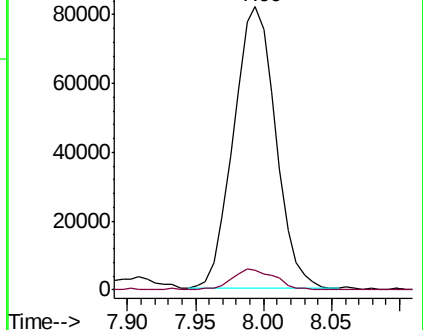
62 100

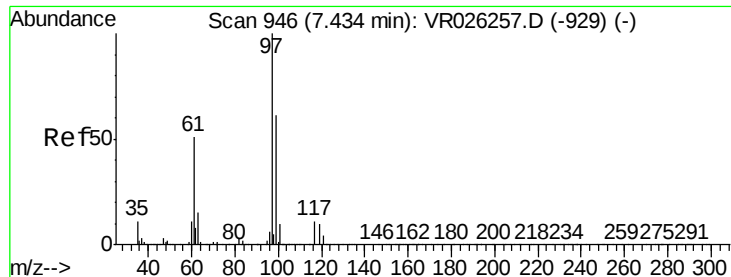
98 6.9 6.0 9.0



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0

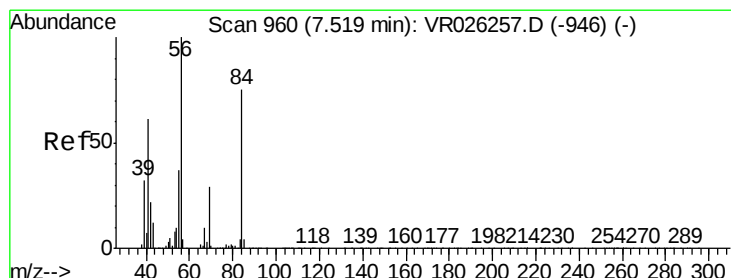
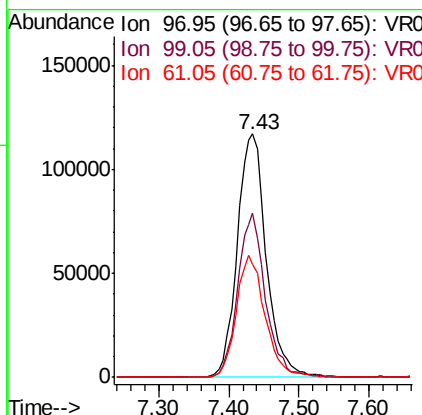
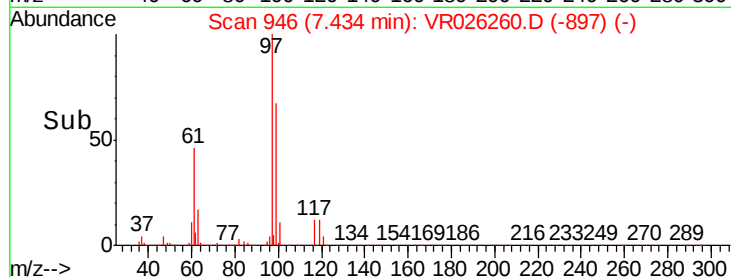
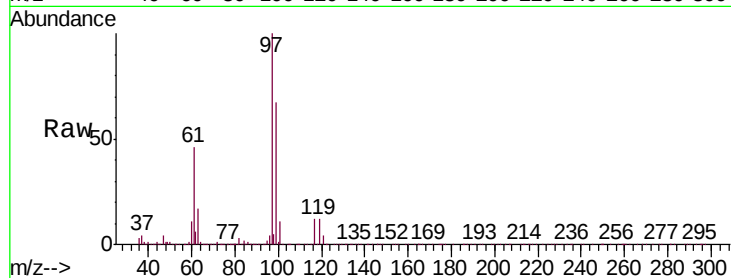




#29
1,1,1-Trichloroethane
Concen: 4.831 ug/L
RT: 7.43 min Scan# 946
Delta R.T. 0.00 min
Lab File: VR026260.D
Acq: 21 Nov 2018 14:34

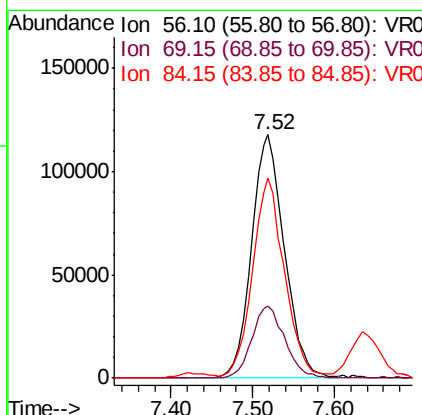
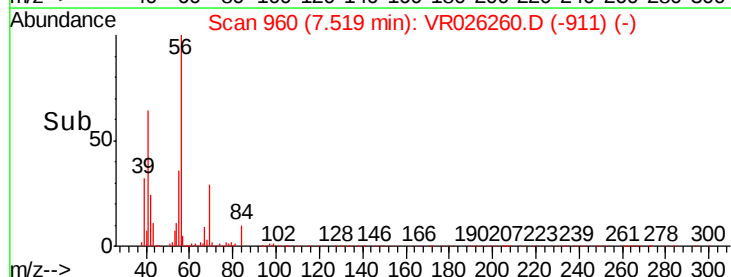
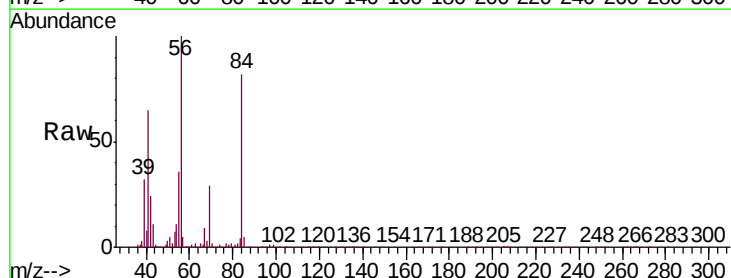
Instrument :
MSVOA_R
ClientSampled :
VICV82

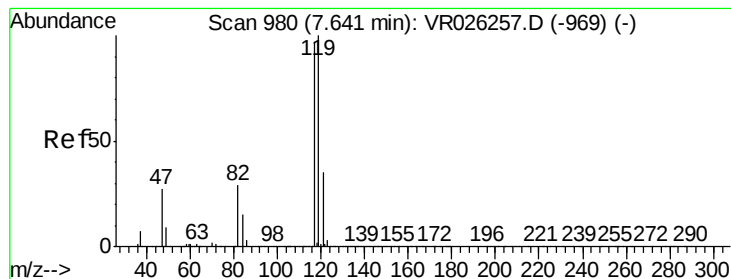
Tgt Ion: 97 Resp: 336324
Ion Ratio Lower Upper
97 100
99 64.3 50.7 76.1
61 49.9 40.2 60.4



#30
Cyclohexane
Concen: 5.519 ug/L
RT: 7.52 min Scan# 960
Delta R.T. 0.00 min
Lab File: VR026260.D
Acq: 21 Nov 2018 14:34

Tgt Ion: 56 Resp: 330041
Ion Ratio Lower Upper
56 100
69 29.8 23.8 35.8
84 80.2 62.4 93.6





#31

Carbon tetrachloride

Concen: 4.988 ug/L

RT: 7.63 min Scan# 979

Delta R.T. -0.01 min

Lab File: VR026260.D

Acq: 21 Nov 2018 14:34

Instrument :

MSVOA_R

ClientSampleId :

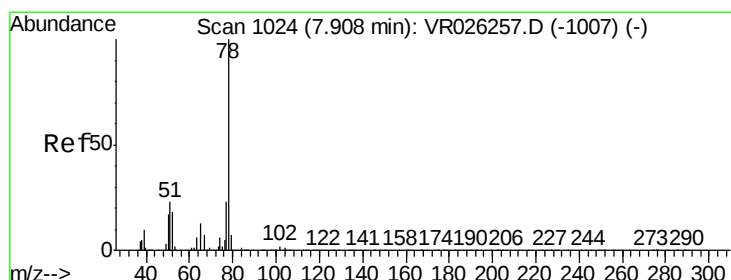
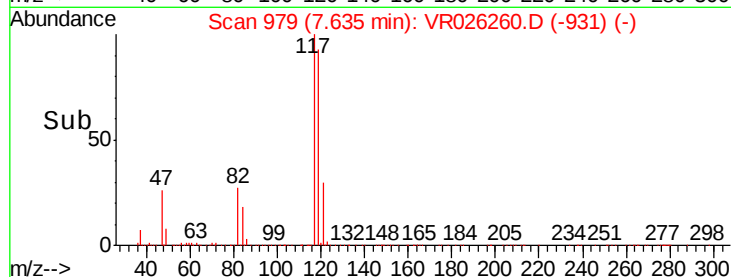
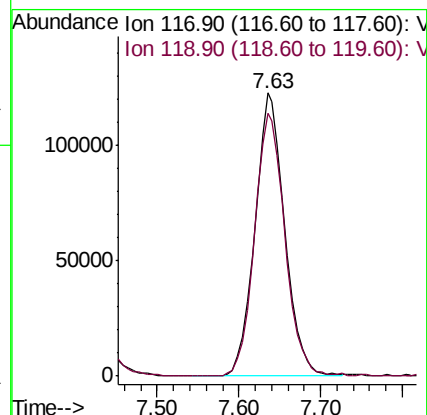
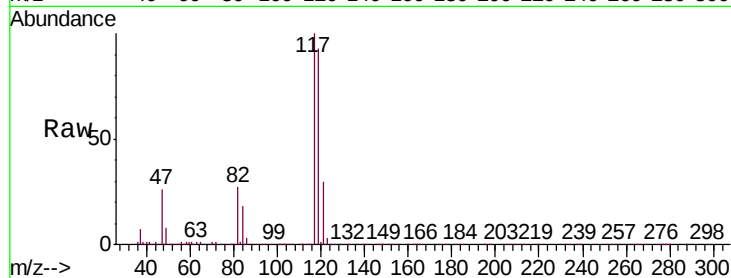
VICV82

Tgt Ion:117 Resp: 311258

Ion Ratio Lower Upper

117 100

119 94.7 77.0 115.4



#33

Benzene

Concen: 4.968 ug/L

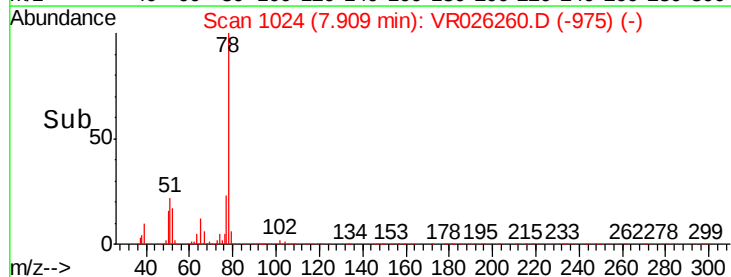
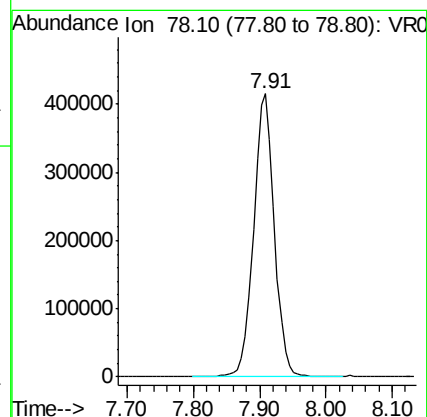
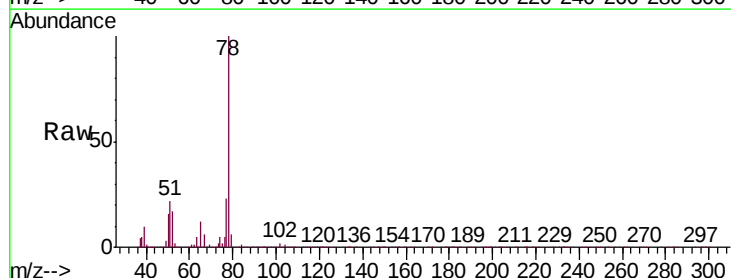
RT: 7.91 min Scan# 1024

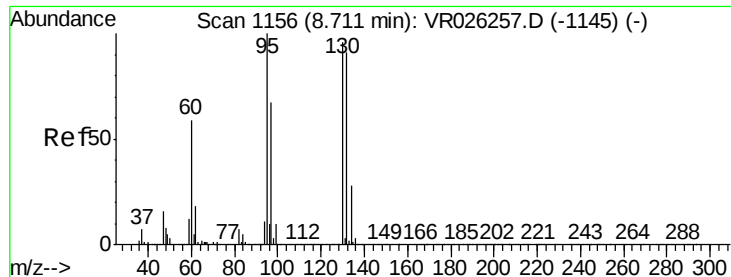
Delta R.T. 0.00 min

Lab File: VR026260.D

Acq: 21 Nov 2018 14:34

Tgt Ion: 78 Resp: 905286





#34

Trichloroethene

Concen: 4.806 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VR026260.D

Acq: 21 Nov 2018 14:34

Instrument :

MSVOA_R

ClientSampleId :

VICV82

Tgt Ion: 95 Resp: 227638

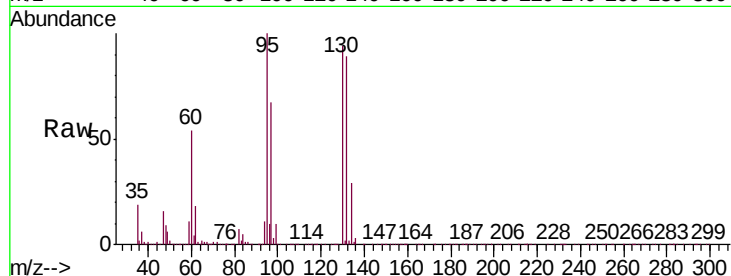
Ion Ratio Lower Upper

95 100

97 67.3 46.8 87.0

132 89.1 63.9 118.7

130 94.4 67.4 125.2

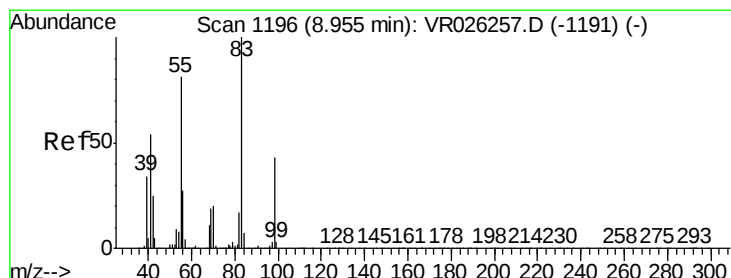
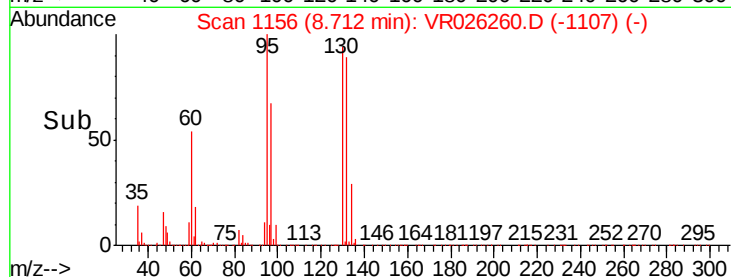
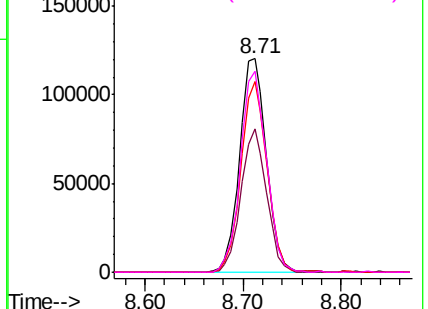


Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.300 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. 0.00 min

Lab File: VR026260.D

Acq: 21 Nov 2018 14:34

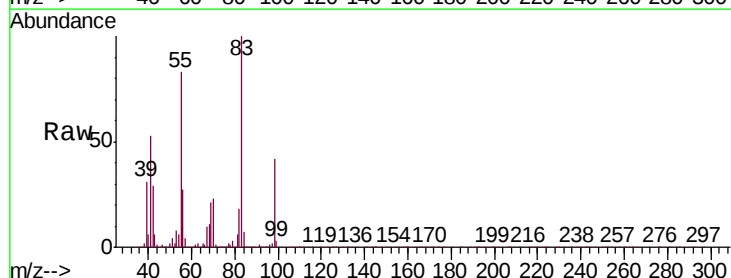
Tgt Ion: 83 Resp: 338883

Ion Ratio Lower Upper

83 100

55 84.0 66.8 100.2

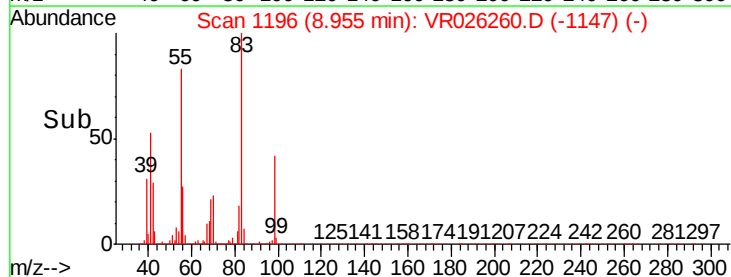
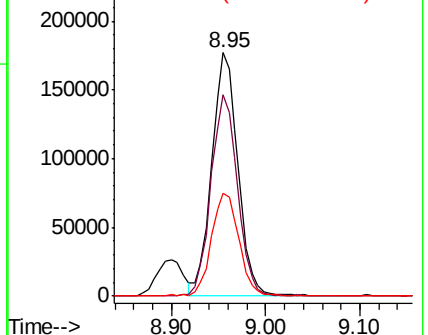
98 43.9 34.8 52.2

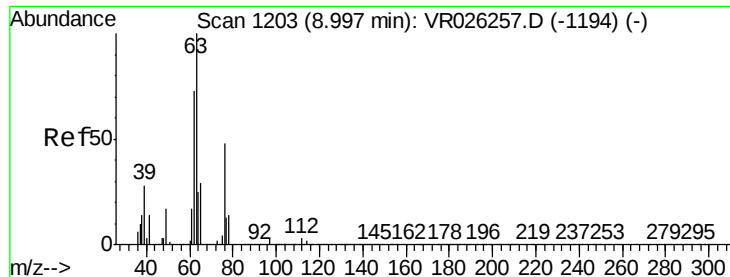


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 4.926 ug/L

RT: 8.99 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VR026260.D

Acq: 21 Nov 2018 14:34

Instrument :

MSVOA_R

ClientSampled :

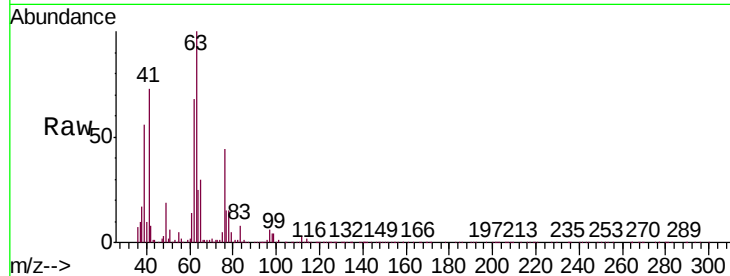
VICV82

Tgt Ion: 63 Resp: 187612

Ion Ratio Lower Upper

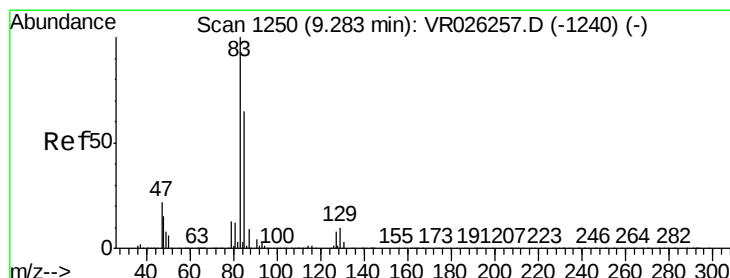
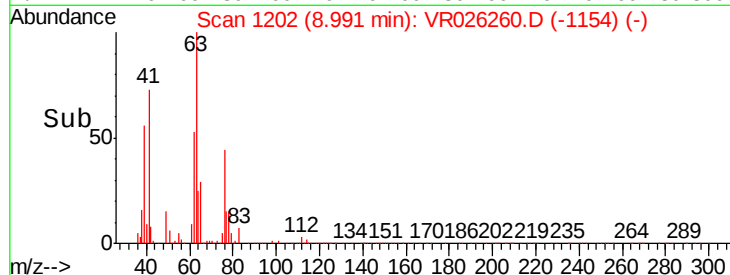
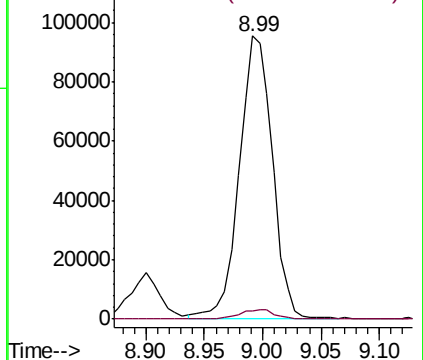
63 100

112 3.7 3.0 4.6



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 112.10 (111.80 to 112.80): V



#38

Bromodichloromethane

Concen: 4.779 ug/L

RT: 9.28 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VR026260.D

Acq: 21 Nov 2018 14:34

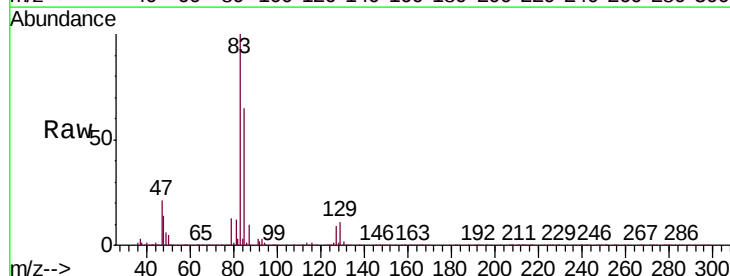
Tgt Ion: 83 Resp: 214964

Ion Ratio Lower Upper

83 100

85 65.1 45.5 84.5

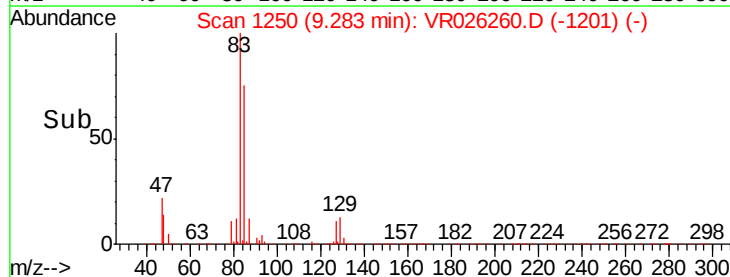
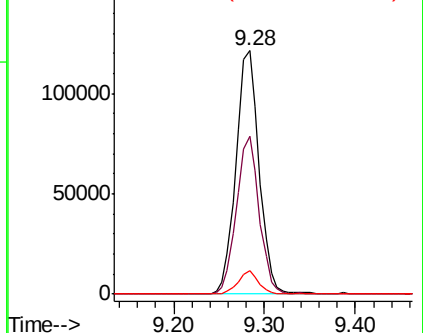
127 9.5 6.3 9.5

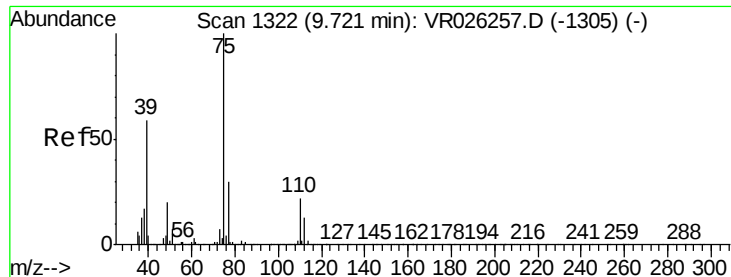


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 126.90 (126.60 to 127.60): V

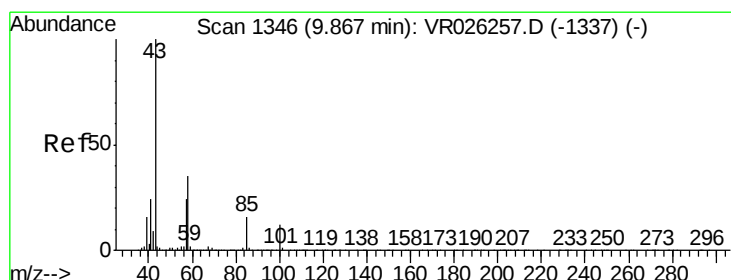
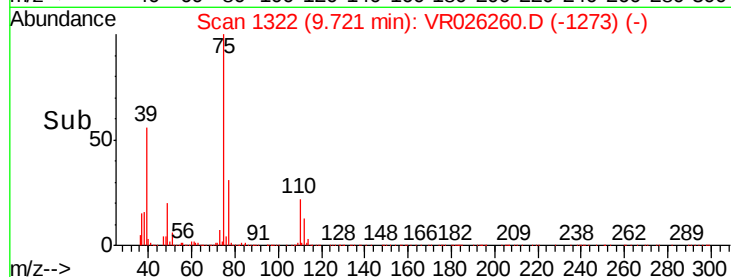
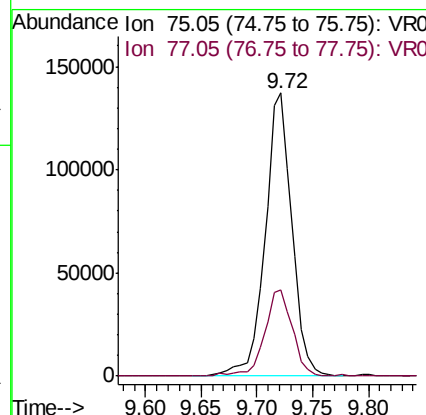
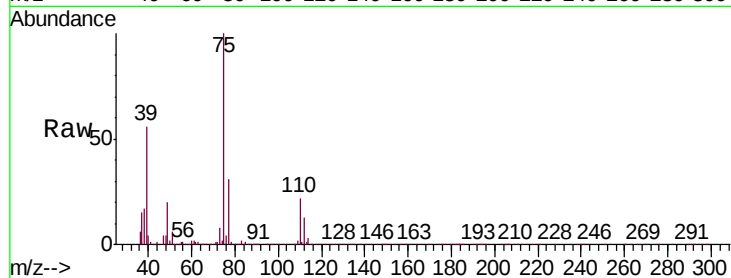




#39
 cis-1,3-Dichloropropene
 Concen: 5.366 ug/L
 RT: 9.72 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VR026260.D
 Acq: 21 Nov 2018 14:34

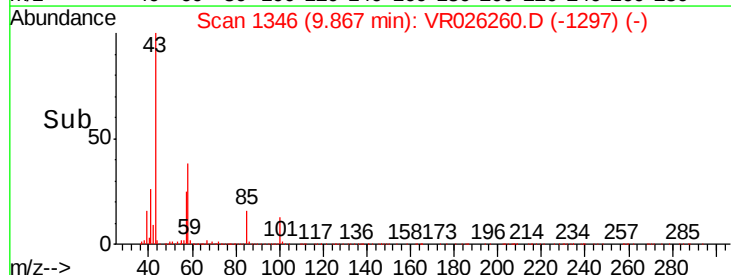
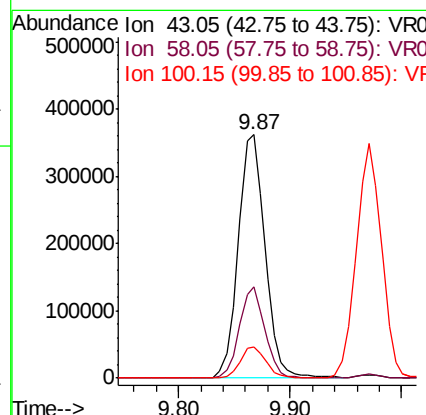
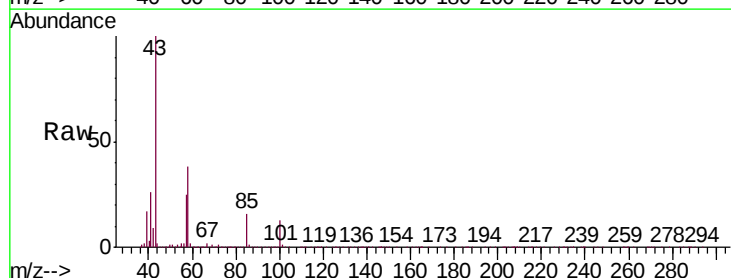
Instrument :
 MSVOA_R
 ClientSampleId :
 VICV82

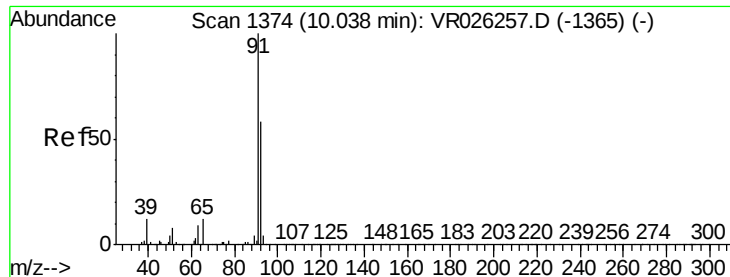
Tgt Ion: 75 Resp: 229668
 Ion Ratio Lower Upper
 75 100
 77 30.6 20.9 38.7



#40
 4-Methyl-2-pentanone
 Concen: 55.259 ug/L
 RT: 9.87 min Scan# 1346
 Delta R.T. 0.00 min
 Lab File: VR026260.D
 Acq: 21 Nov 2018 14:34

Tgt Ion: 43 Resp: 602241
 Ion Ratio Lower Upper
 43 100
 58 35.3 28.6 42.8
 100 12.3 10.0 15.0





#42

Toluene

Concen: 4.998 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.00 min

Lab File: VR026260.D

Acq: 21 Nov 2018 14:34

Instrument :

MSVOA_R

ClientSampleId :

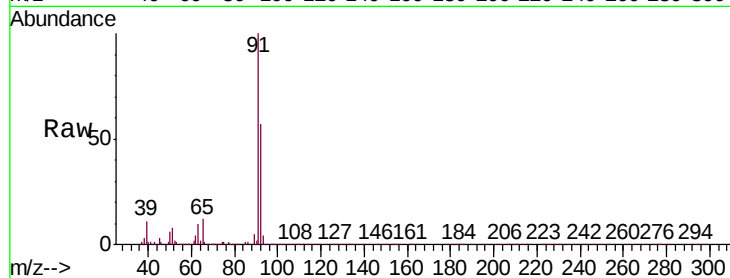
VICV82

Tgt Ion: 91 Resp: 988244

Ion Ratio Lower Upper

91 100

92 56.6 40.5 75.1



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 92.15 (91.85 to 92.85): VR0

10.04

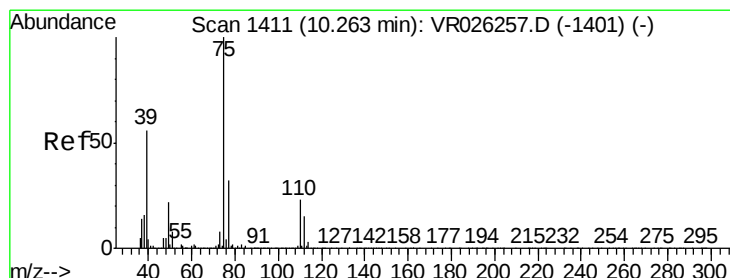
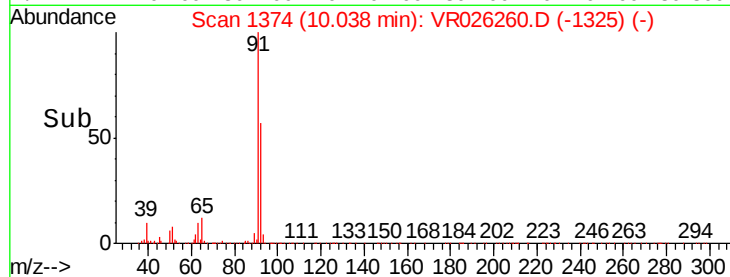
600000

400000

200000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.320 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR026260.D

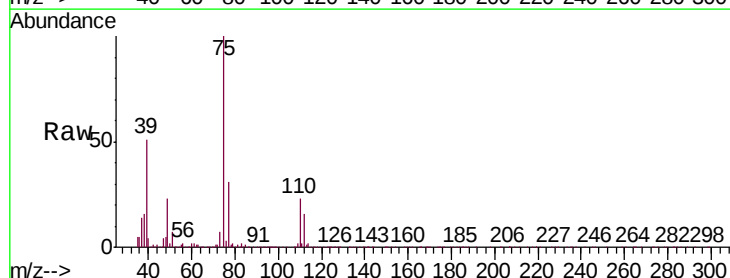
Acq: 21 Nov 2018 14:34

Tgt Ion: 75 Resp: 154227

Ion Ratio Lower Upper

75 100

77 30.8 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

10.26

100000

80000

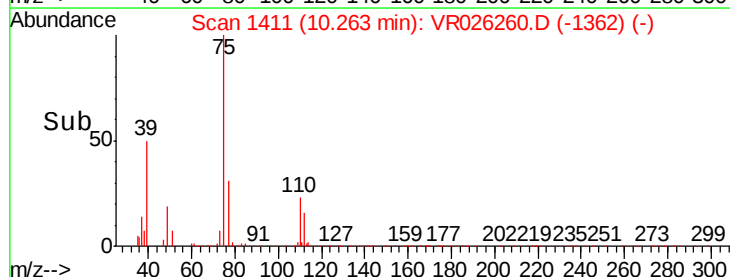
60000

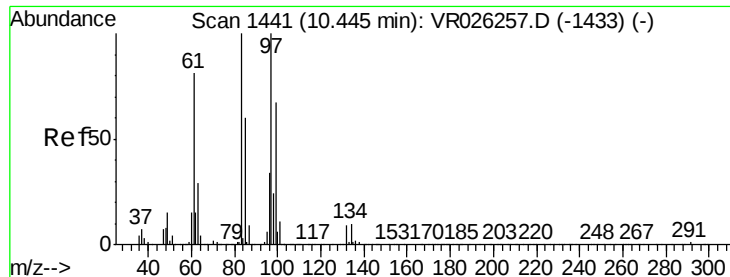
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.975 ug/L

RT: 10.45 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VR026260.D

Acq: 21 Nov 2018 14:34

Instrument :

MSVOA_R

ClientSampleId :

VICV82

Tgt Ion: 97 Resp: 84239

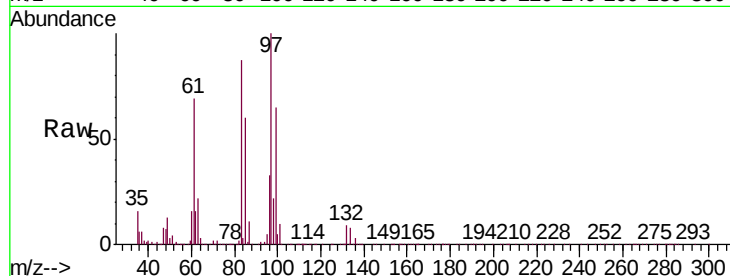
Ion Ratio Lower Upper

97 100

99 64.7 46.8 86.8

83 86.8 70.1 130.3

85 59.8 42.1 78.1

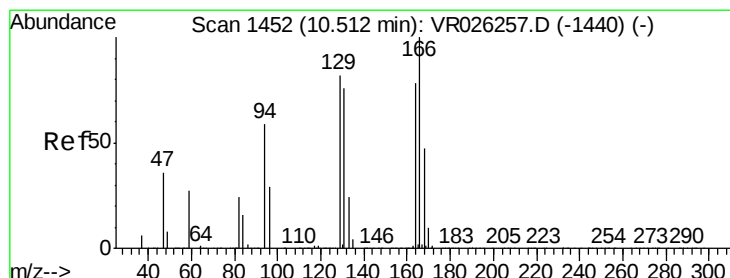
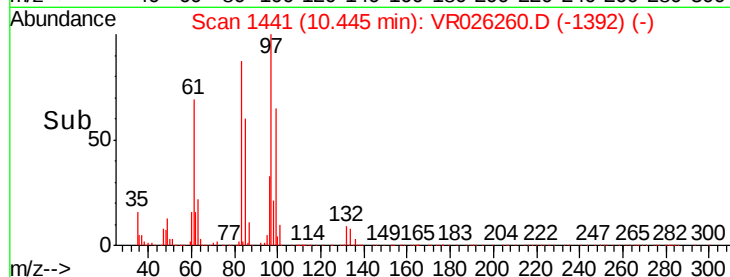
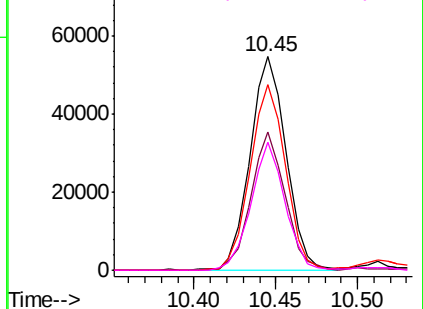


Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0



#47

Tetrachloroethene

Concen: 4.802 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VR026260.D

Acq: 21 Nov 2018 14:34

Tgt Ion: 164 Resp: 163936

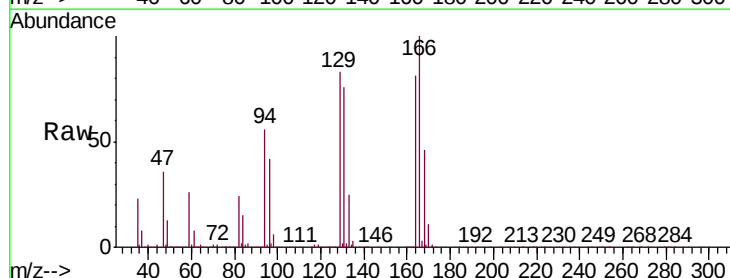
Ion Ratio Lower Upper

164 100

129 102.3 73.4 136.4

131 94.4 68.9 127.9

166 123.9 90.2 167.4

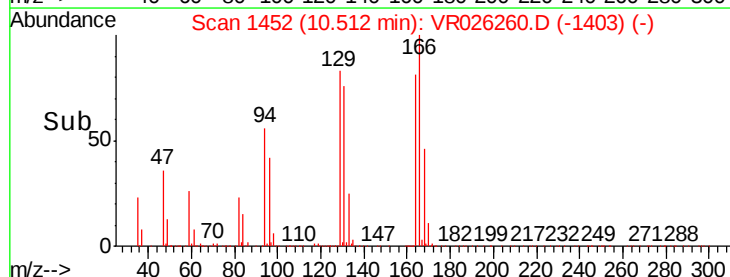
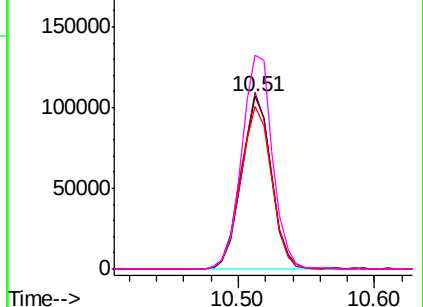


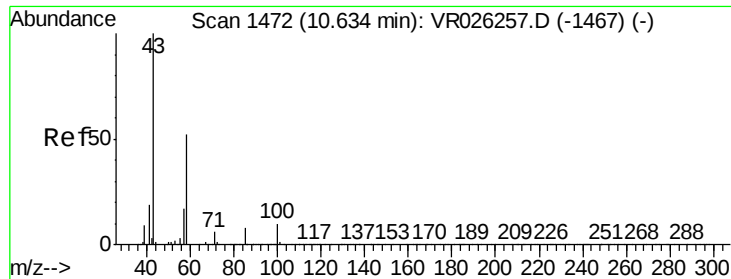
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

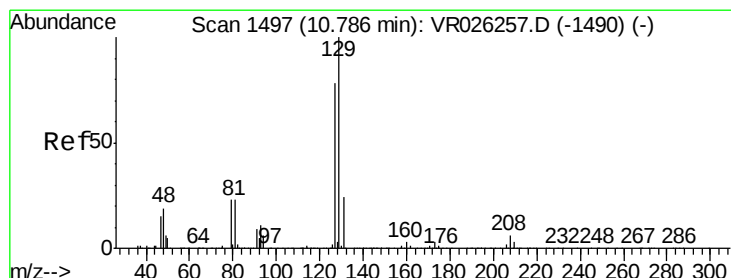
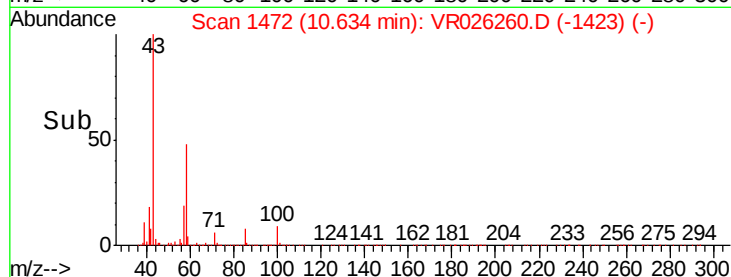
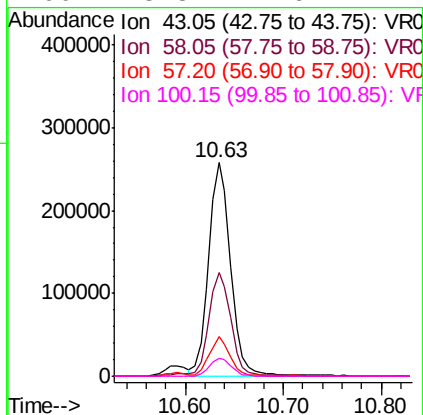
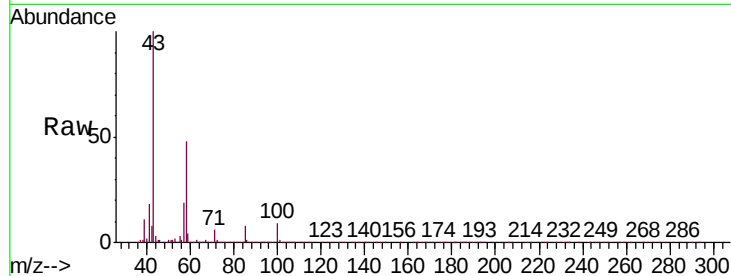




#48
2-Hexanone
Concen: 54.692 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR026260.D
Acq: 21 Nov 2018 14:34

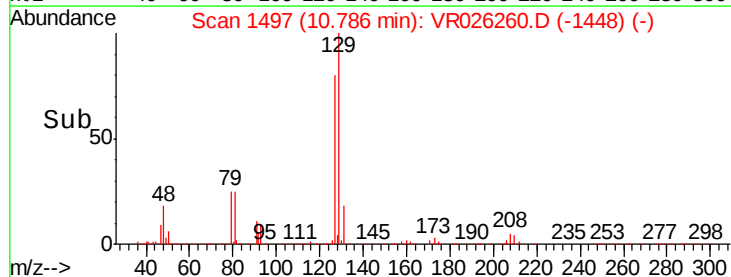
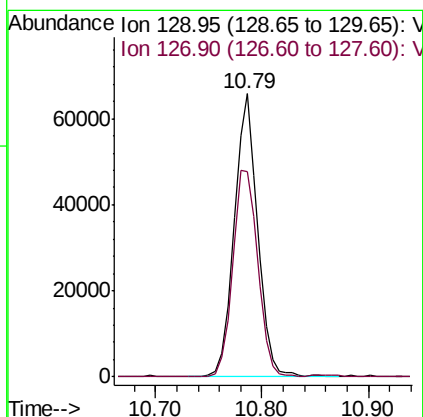
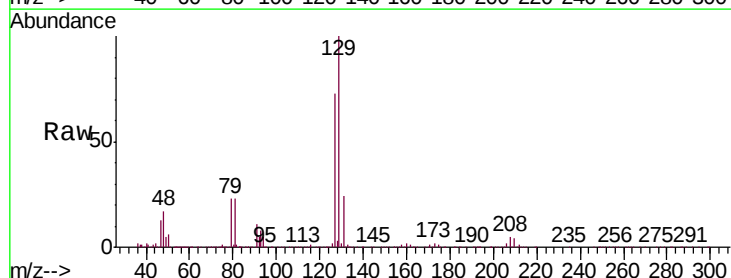
Instrument :
MSVOA_R
ClientSampleId :
VICV82

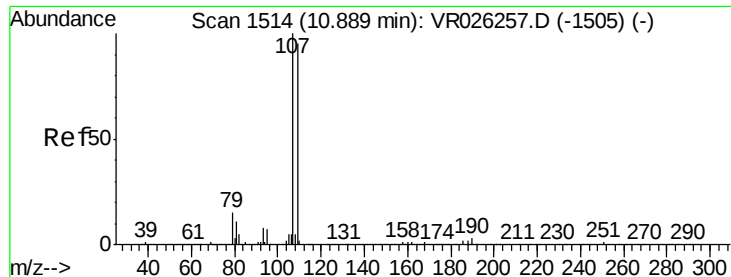
Tgt Ion:	43	Resp:	398938
Ion	Ratio	Lower	Upper
43	100		
58	50.0	40.4	60.6
57	17.5	14.2	21.2
100	8.8	7.6	11.4



#49
Dibromochloromethane
Concen: 4.960 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VR026260.D
Acq: 21 Nov 2018 14:34

Tgt Ion:	129	Resp:	101009
Ion	Ratio	Lower	Upper
129	100		
127	72.7	54.6	101.4

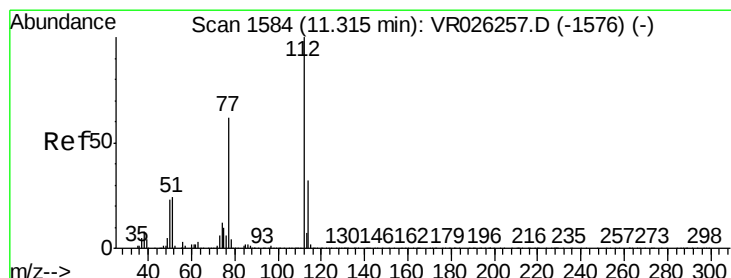
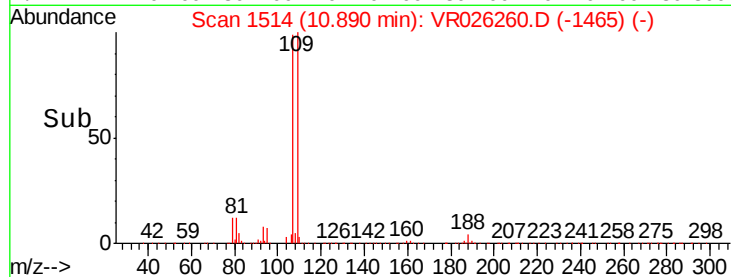
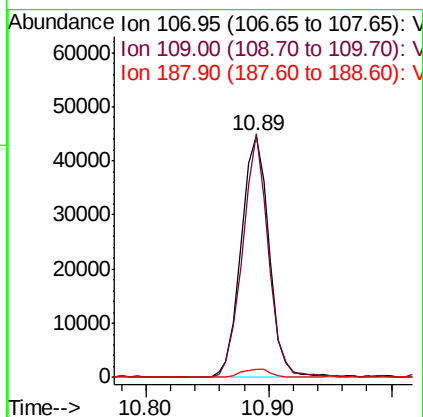
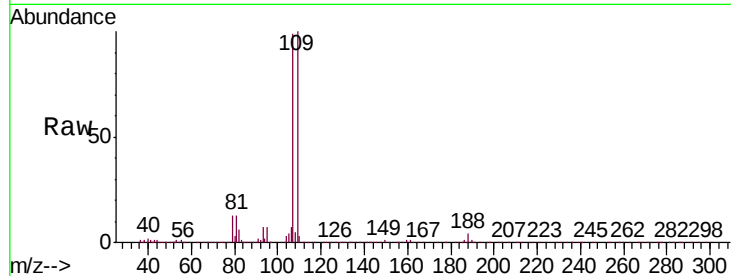




#50
1,2-Dibromoethane
Concen: 4.969 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VR026260.D
Acq: 21 Nov 2018 14:34

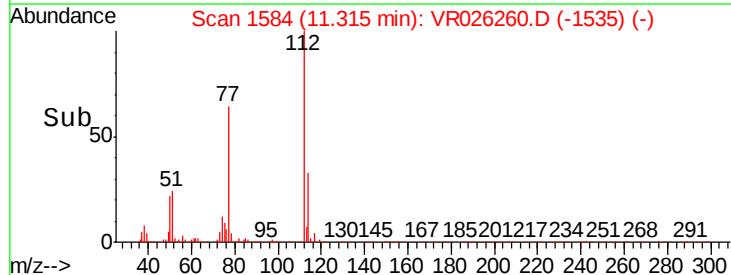
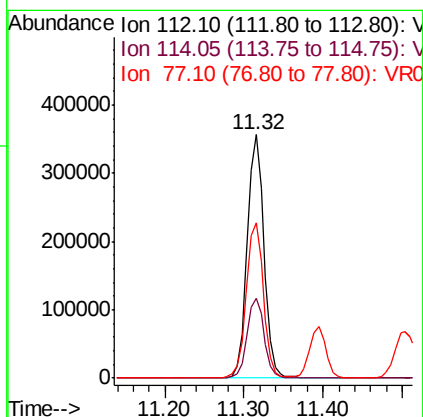
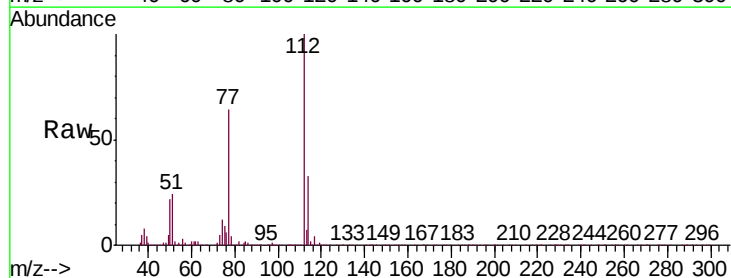
Instrument :
MSVOA_R
ClientSampleId :
VICV82

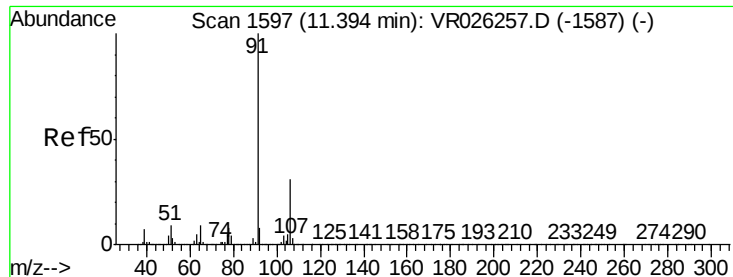
Tgt Ion:107 Resp: 70595
Ion Ratio Lower Upper
107 100
109 100.8 66.6 123.6
188 3.6 2.0 3.0#



#51
Chlorobenzene
Concen: 4.772 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VR026260.D
Acq: 21 Nov 2018 14:34

Tgt Ion:112 Resp: 524286
Ion Ratio Lower Upper
112 100
114 32.5 22.7 42.3
77 63.8 49.8 74.8





#52

Ethylbenzene

Concen: 5.129 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR026260.D

Acq: 21 Nov 2018 14:34

Instrument :

MSVOA_R

ClientSampleId :

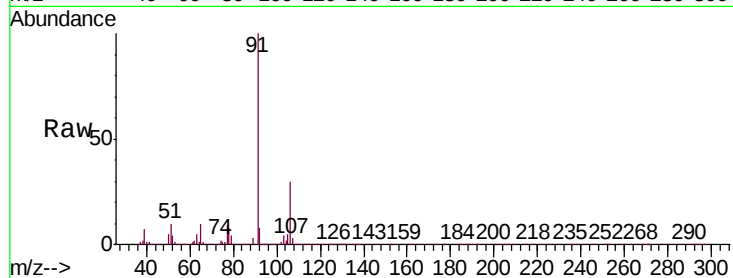
VICV82

Tgt Ion: 91 Resp: 1121194

Ion Ratio Lower Upper

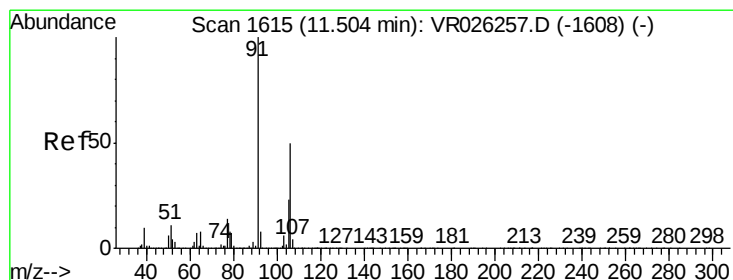
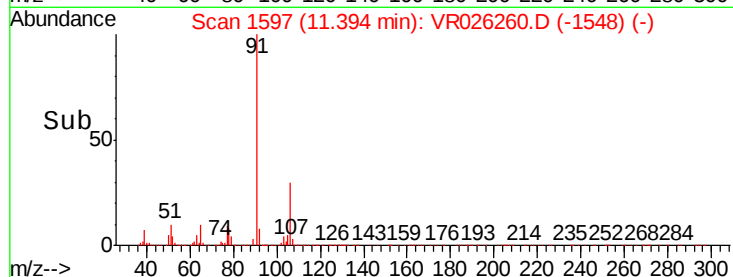
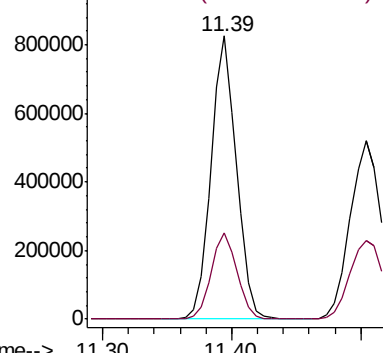
91 100

106 30.4 22.0 41.0



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 106.15 (105.85 to 106.85): V



#53

m,p-Xylene

Concen: 5.076 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR026260.D

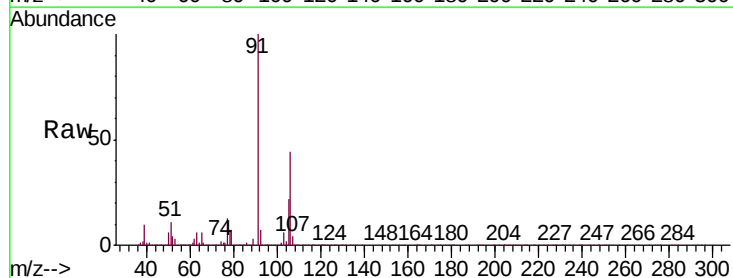
Acq: 21 Nov 2018 14:34

Tgt Ion: 106 Resp: 403776

Ion Ratio Lower Upper

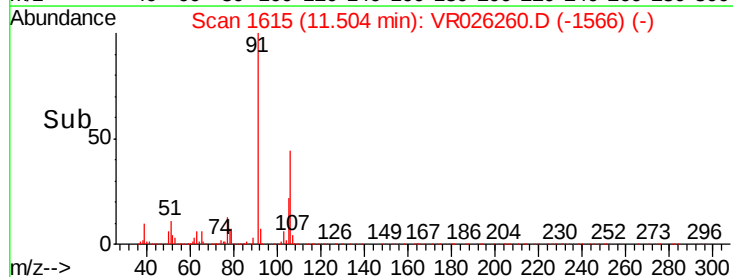
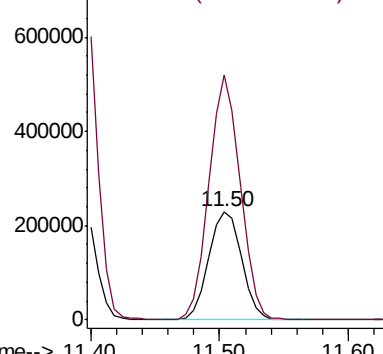
106 100

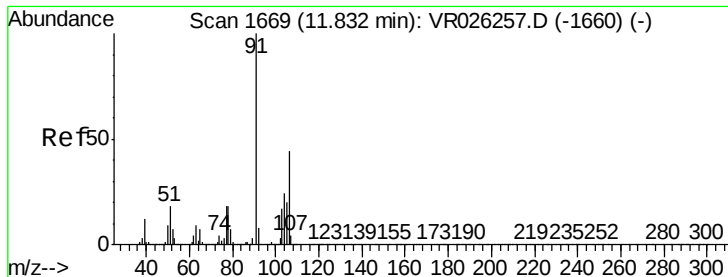
91 225.0 141.2 262.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0





#54

o-Xylene

Concen: 5.129 ug/L

RT: 11.83 min Scan# 1668

Delta R.T. -0.01 min

Lab File: VR026260.D

Acq: 21 Nov 2018 14:34

Instrument :

MSVOA_R

ClientSampleId :

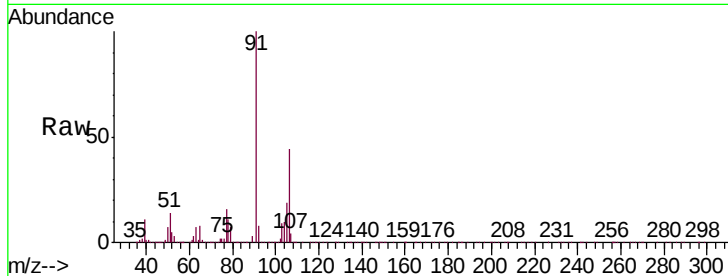
VICV82

Tgt Ion:106 Resp: 369719

Ion Ratio Lower Upper

106 100

91 227.3 159.6 296.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0

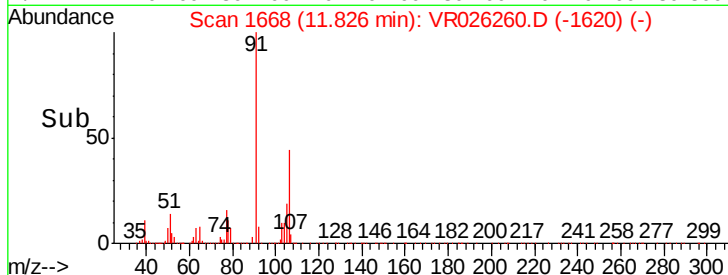
600000

400000

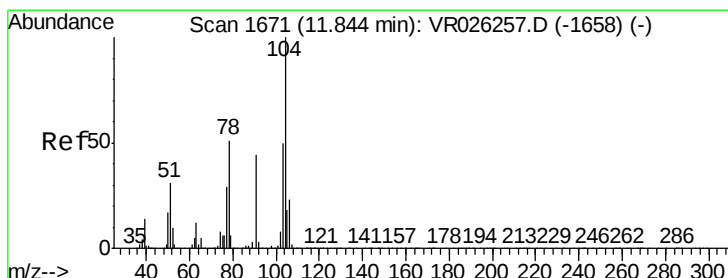
200000

0

11.75 11.80 11.85 11.90



Time-->



#55

Styrene

Concen: 5.147 ug/L

RT: 11.84 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VR026260.D

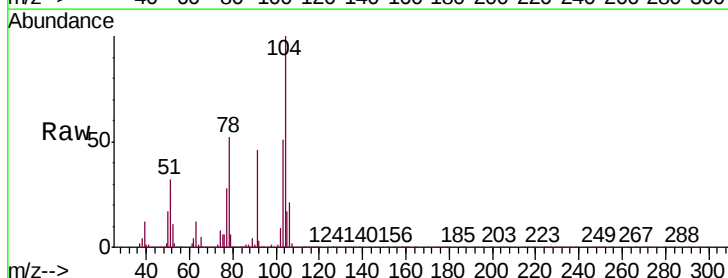
Acq: 21 Nov 2018 14:34

Tgt Ion:104 Resp: 590972

Ion Ratio Lower Upper

104 100

78 51.5 35.4 65.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VR0

400000

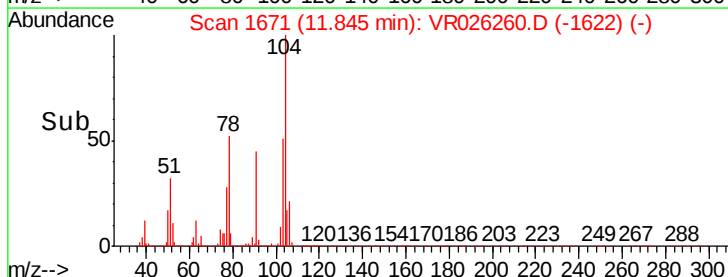
300000

200000

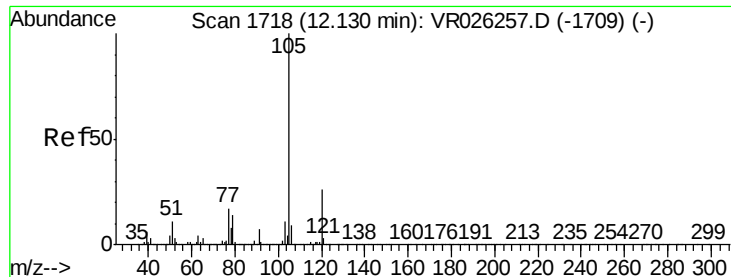
100000

0

11.80 11.90 12.00



Time-->



#56

Isopropylbenzene

Concen: 5.343 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026260.D

Acq: 21 Nov 2018 14:34

Instrument :

MSVOA_R

ClientSampled :

VICV82

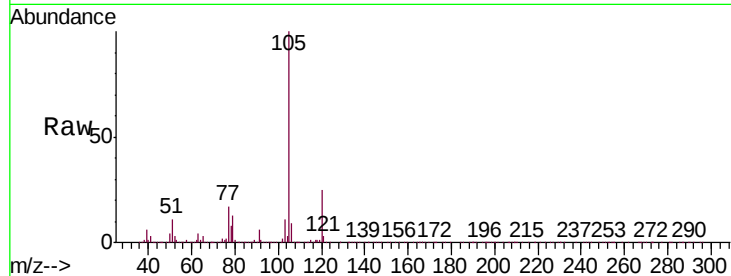
Tgt Ion:105 Resp: 1070001

Ion Ratio Lower Upper

105 100

120 25.8 20.3 30.5

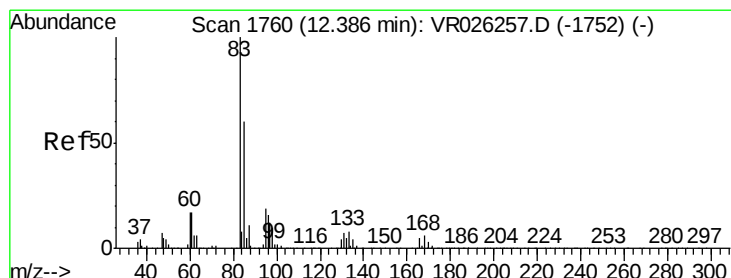
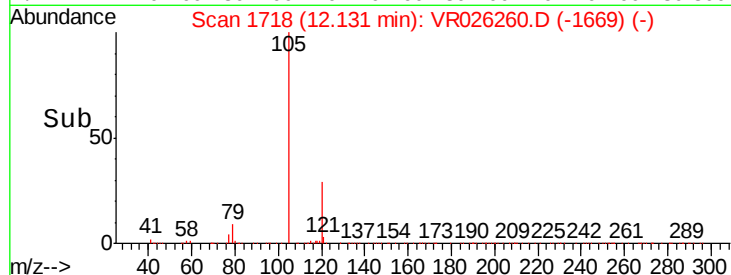
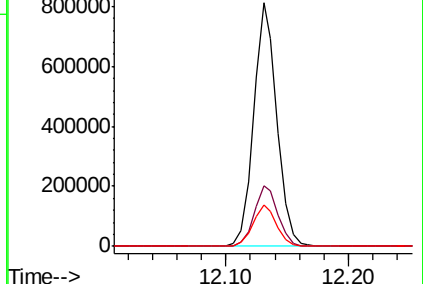
77 17.2 13.8 20.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VR0



#58

1,1,2,2-Tetrachloroethane

Concen: 4.799 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VR026260.D

Acq: 21 Nov 2018 14:34

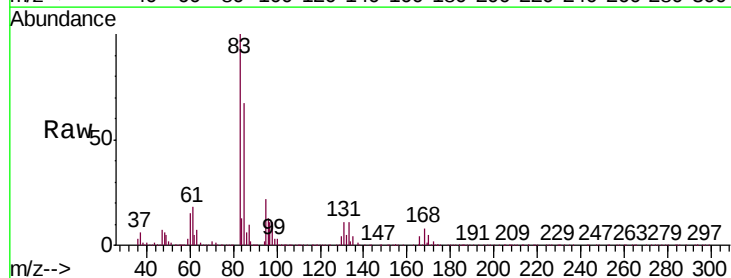
Tgt Ion: 83 Resp: 77745

Ion Ratio Lower Upper

83 100

85 67.1 42.3 78.5

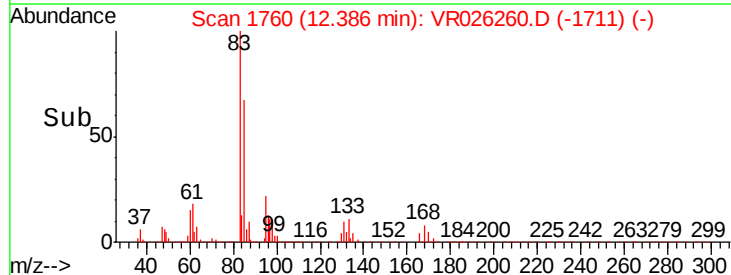
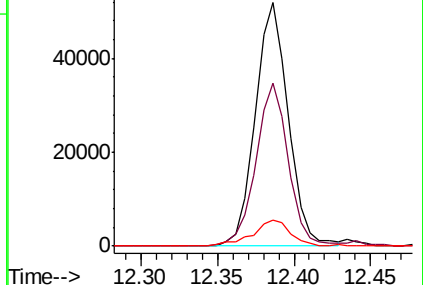
131 10.6 5.4 8.2#

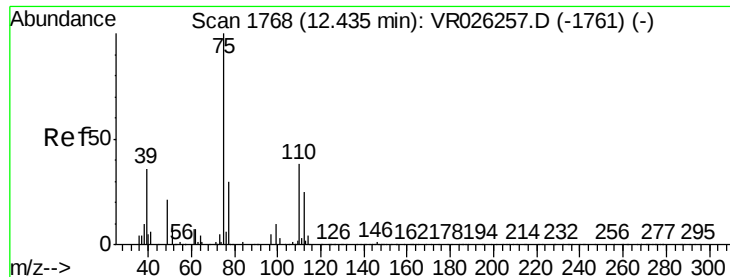


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.767 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VR026260.D

Acq: 21 Nov 2018 14:34

Instrument :

MSVOA_R

ClientSampleId :

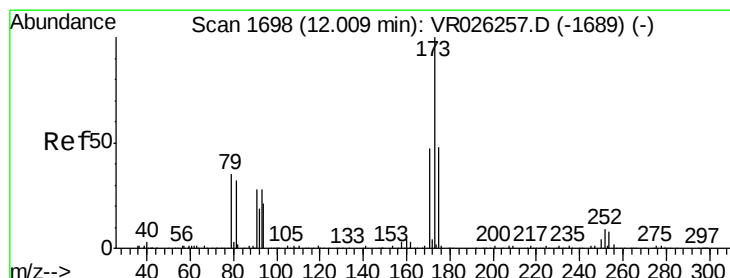
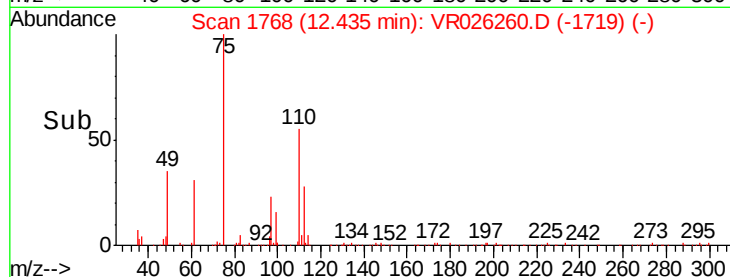
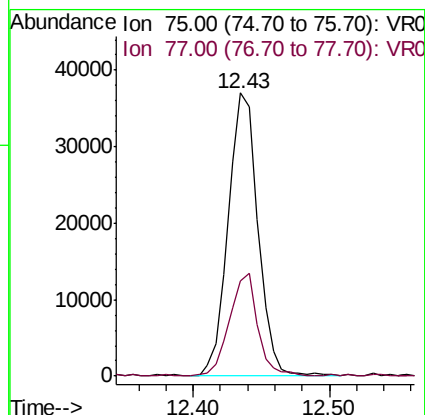
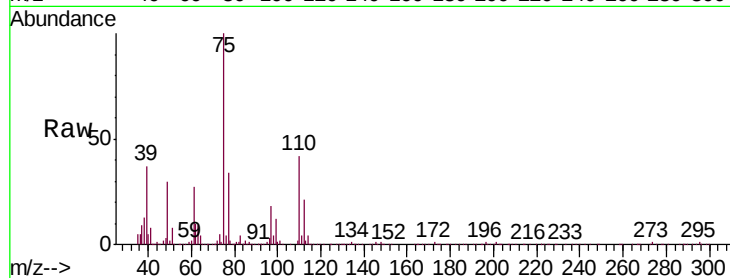
VICV82

Tgt Ion: 75 Resp: 56491

Ion Ratio Lower Upper

75 100

77 34.5 25.1 37.7



#61

Bromoform

Concen: 4.783 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR026260.D

Acq: 21 Nov 2018 14:34

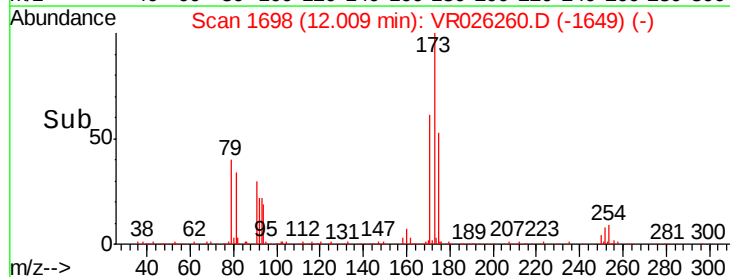
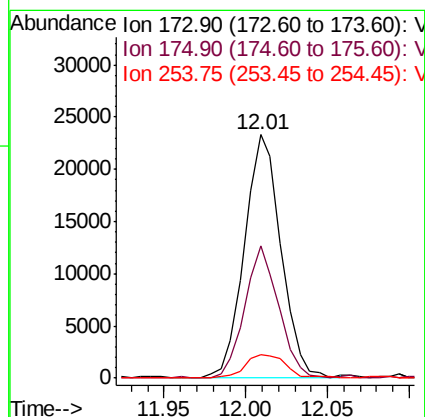
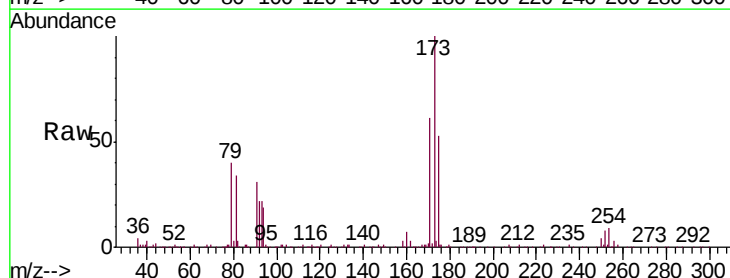
Tgt Ion: 173 Resp: 36458

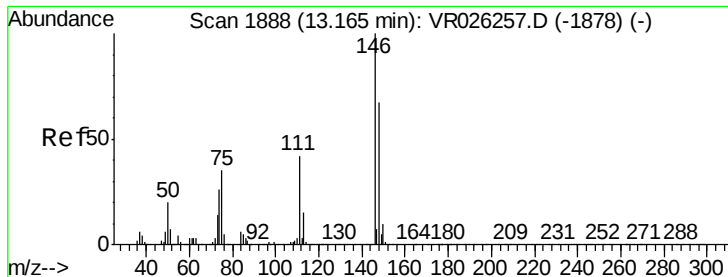
Ion Ratio Lower Upper

173 100

175 49.6 37.8 56.6

254 11.1 7.6 11.4

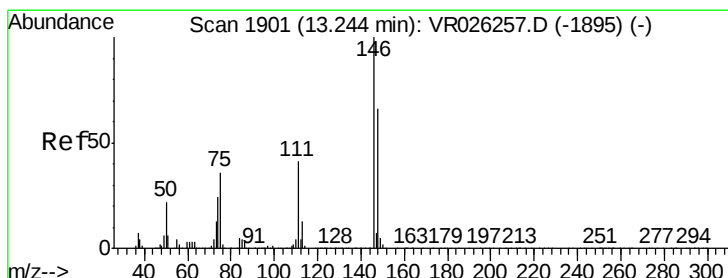
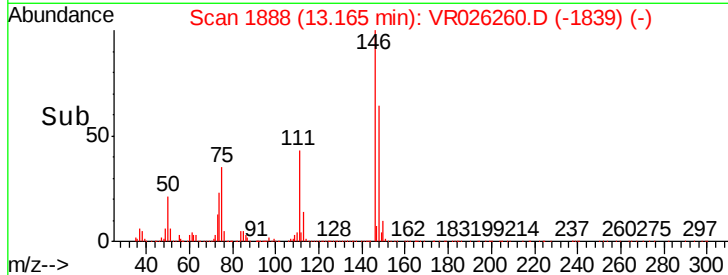
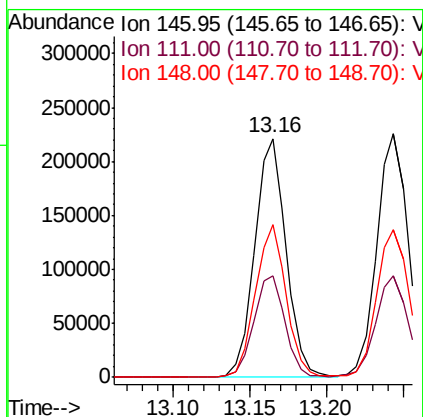
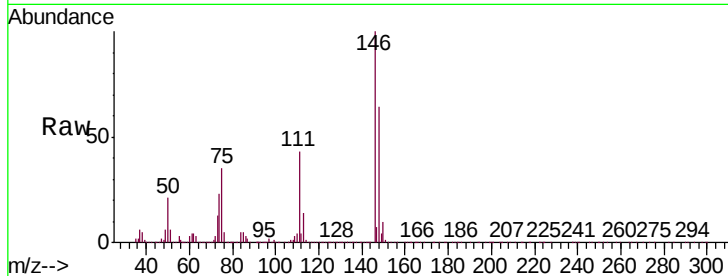




#62
 1,3-Dichlorobenzene
 Concen: 5.100 ug/L
 RT: 13.16 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VR026260.D
 Acq: 21 Nov 2018 14:34

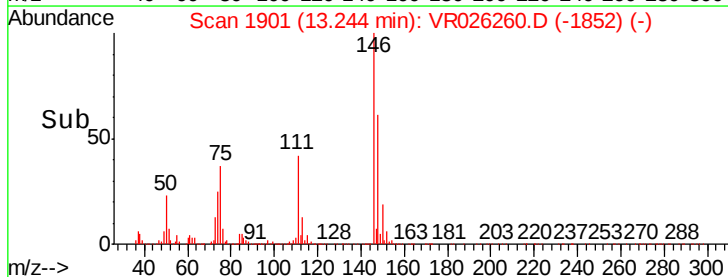
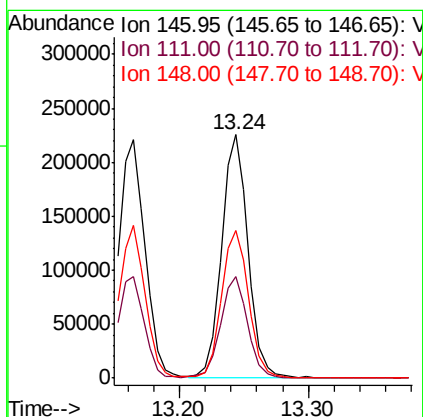
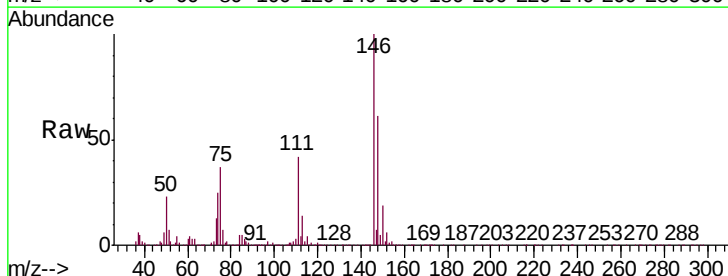
Instrument :
 MSVOA_R
 ClientSampled :
 VICV82

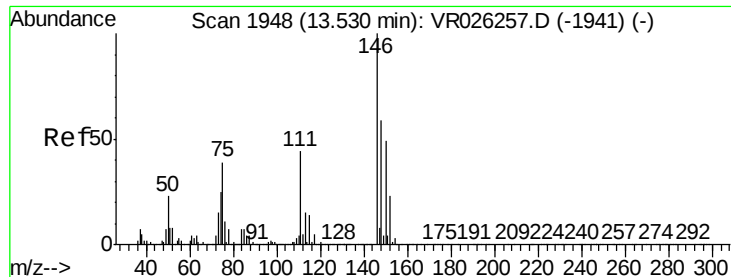
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	29.4	54.6
148	64.2	46.5	86.5



#63
 1,4-Dichlorobenzene
 Concen: 4.760 ug/L
 RT: 13.24 min Scan# 1901
 Delta R.T. 0.00 min
 Lab File: VR026260.D
 Acq: 21 Nov 2018 14:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	28.9	53.7
148	60.7	46.3	85.9

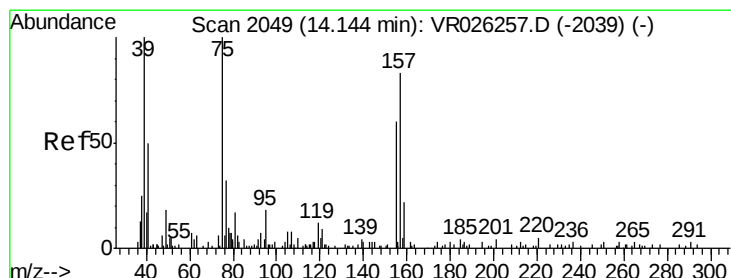
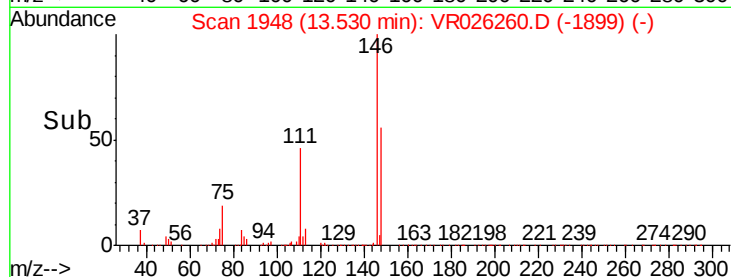
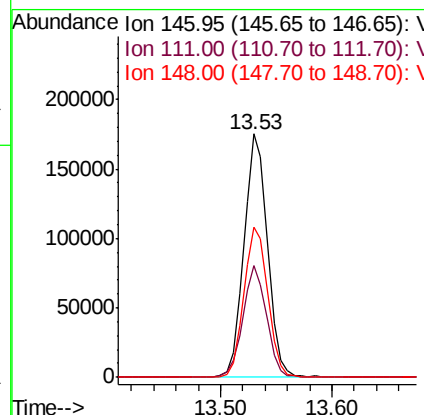
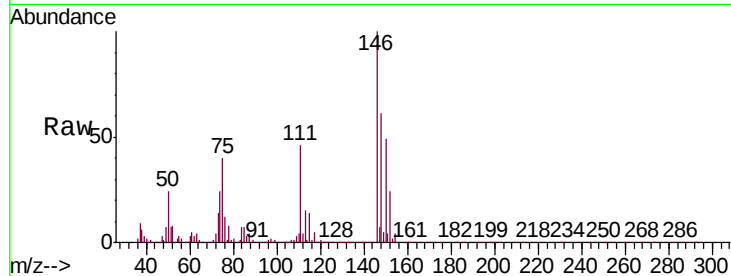




#65
 1,2-Dichlorobenzene
 Concen: 5.018 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. 0.00 min
 Lab File: VR026260.D
 Acq: 21 Nov 2018 14:34

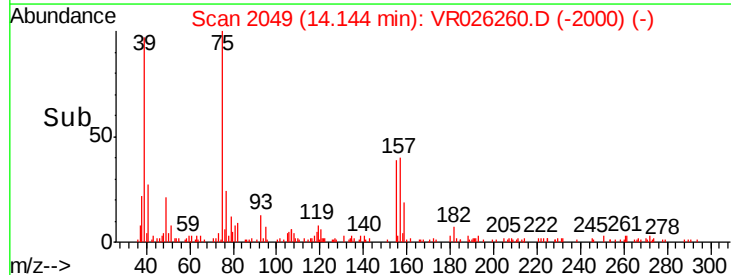
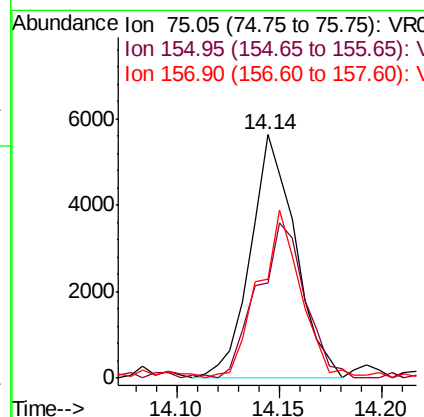
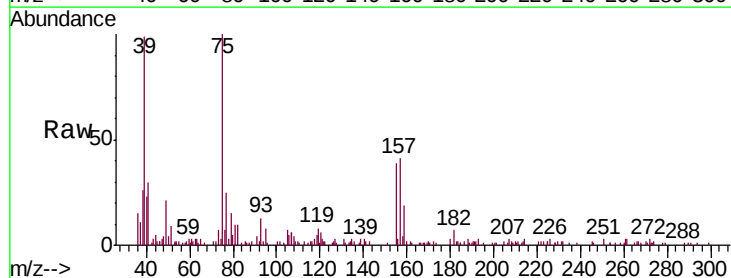
Instrument :
 MSVOA_R
 ClientSampleId :
 VICV82

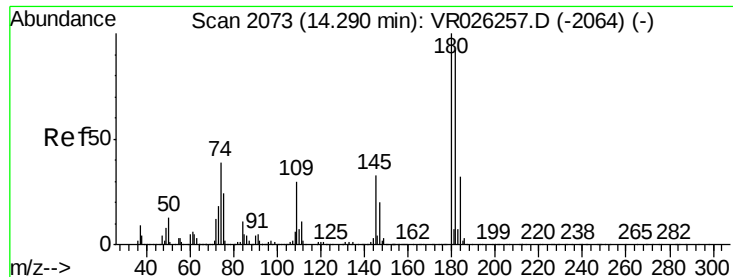
Tgt Ion:146 Resp: 254960
 Ion Ratio Lower Upper
 146 100
 111 46.0 35.5 53.3
 148 61.5 47.6 71.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.545 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VR026260.D
 Acq: 21 Nov 2018 14:34

Tgt Ion: 75 Resp: 8615
 Ion Ratio Lower Upper
 75 100
 155 39.3 47.9 71.9#
 157 40.7 66.5 99.7#

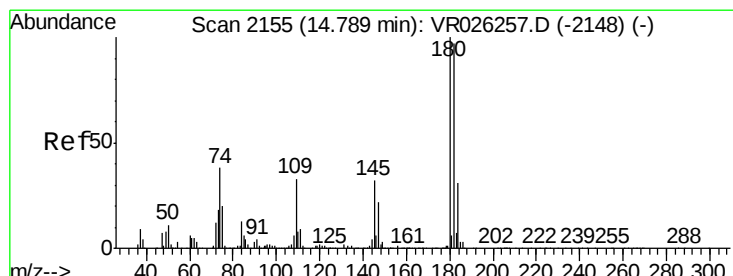
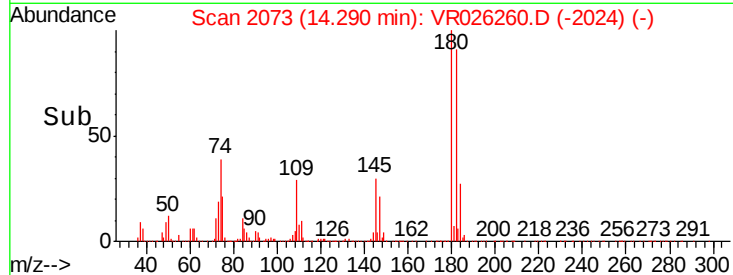
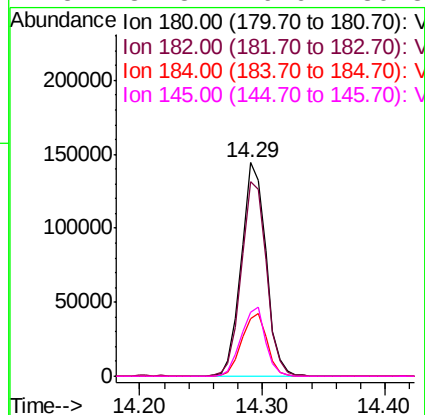
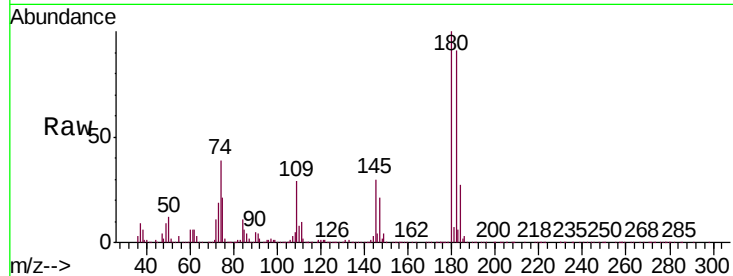




#67
 1,3,5-Trichlorobenzene
 Concen: 5.220 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR026260.D
 Acq: 21 Nov 2018 14:34

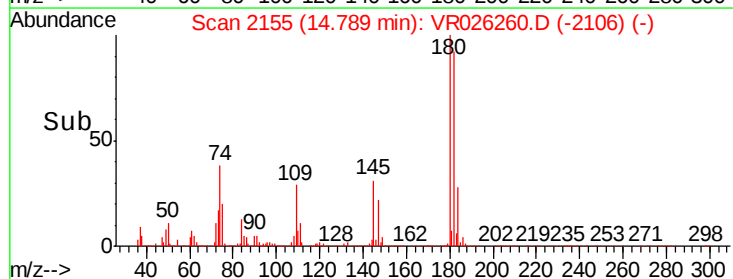
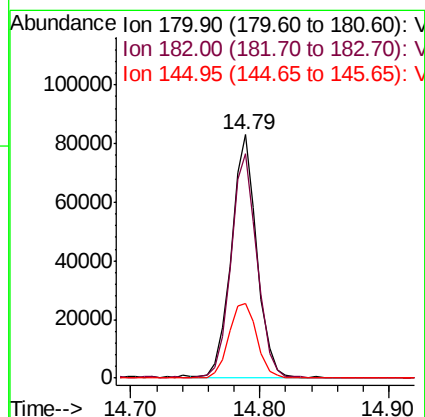
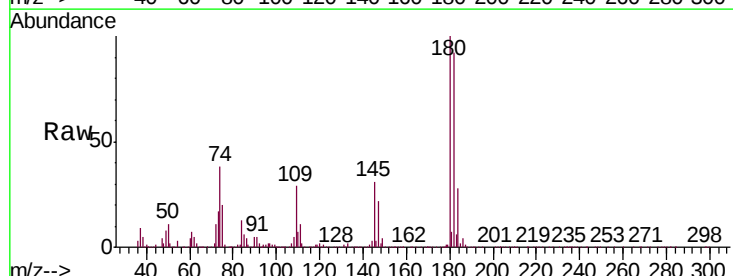
Instrument :
 MSVOA_R
 ClientSampleId :
 VICV82

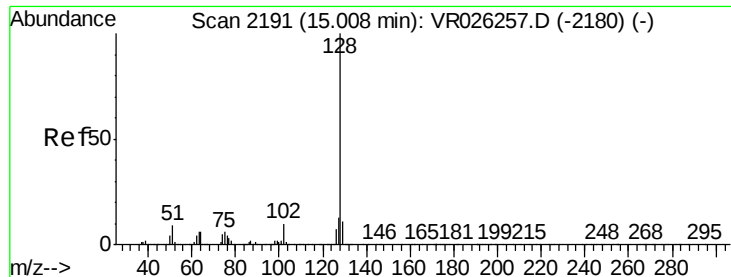
Tgt Ion:	180	Resp:	200957
Ion Ratio	Lower	Upper	
180	100		
182	92.3	74.0	111.0
184	30.0	25.4	38.0
145	31.8	26.6	39.8



#68
 1,2,4-trichlorobenzene
 Concen: 5.393 ug/L
 RT: 14.79 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VR026260.D
 Acq: 21 Nov 2018 14:34

Tgt Ion:	180	Resp:	115271
Ion Ratio	Lower	Upper	
180	100		
182	93.9	74.9	112.3
145	33.3	26.0	39.0

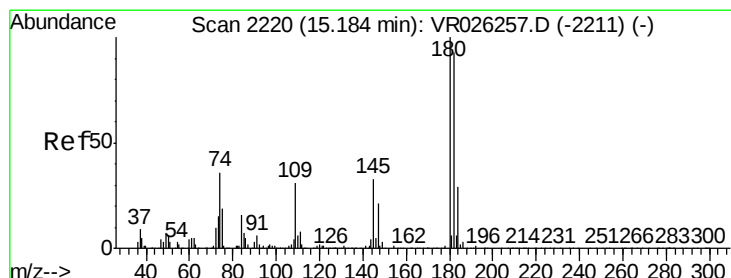
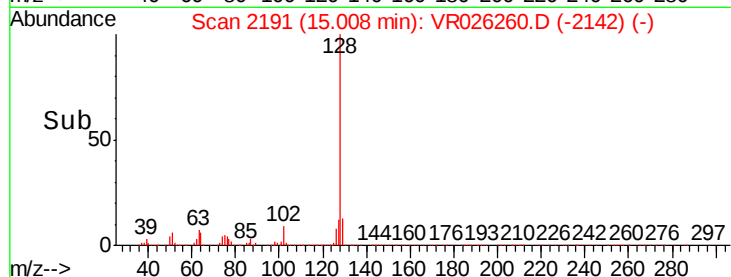
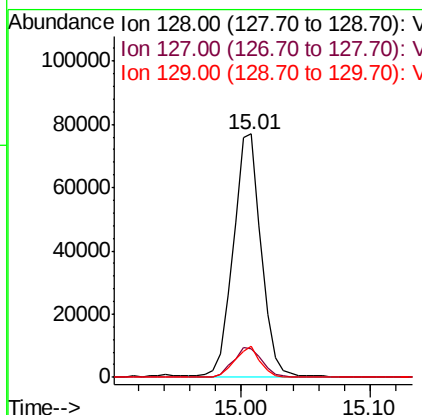
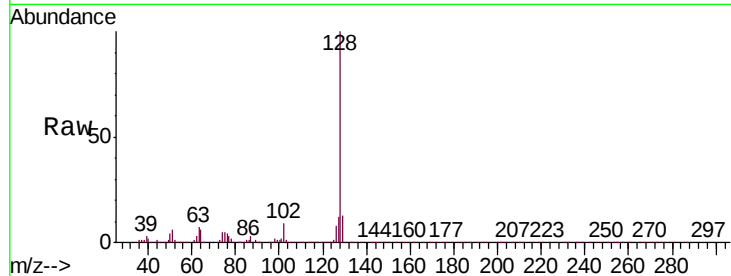




#69
Naphthalene
Concen: 5.509 ug/L
RT: 15.01 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VR026260.D
Acq: 21 Nov 2018 14:34

Instrument :
MSVOA_R
ClientSampled :
VICV82

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.8	9.2	13.8



#70
1,2,3-Trichlorobenzene
Concen: 5.408 ug/L
RT: 15.18 min Scan# 2220
Delta R.T. 0.00 min
Lab File: VR026260.D
Acq: 21 Nov 2018 14:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	73.9	110.9
145	35.6	28.2	42.2

