

Data File : VR026438.D
Acq On : 3 Apr 2019 19:53
Operator : SY/MD
Sample : VSTDICV005
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VICV89

Quant Time: Apr 04 06:04:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR040319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 04 06:00:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	550354	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	447310	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	180298	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	203594	4.87	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.40%
7) Chloroethane-d5	2.63	69	173507	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.60%
11) 1,1-Dichloroethene-d2	3.61	63	539573	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.80%
20) 2-Butanone-d5	6.58	46	187449	50.28	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.56%
24) Chloroform-d	7.20	84	390506	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	7.90	65	161169	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	7.85	84	734028	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
36) 1,2-Dichloropropane-d6	8.89	67	184679	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.80%
41) Toluene-d8	9.96	98	684730	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.00%
43) trans-1,3-Dichloropropene-	10.23	79	48208	4.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.20%
46) 2-Hexanone-d5	10.59	63	151027	57.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.70%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	71526	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.00%
64) 1,2-Dichlorobenzene-d4	13.52	152	128969	4.72	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	248920	4.413 ug/L	98
3) Chloromethane	2.01	50	281353	4.729 ug/L	100
5) Vinyl chloride	2.17	62	275480	4.712 ug/L	98
6) Bromomethane	2.52	94	158986	4.651 ug/L	99
8) Chloroethane	2.66	64	153740	4.638 ug/L	97
9) Trichlorofluoromethane	2.93	101	161476	1.995 ug/L #	83
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	205815	4.609 ug/L	99
12) 1,1-Dichloroethene	3.63	96	239385	4.905 ug/L	91
13) Acetone	3.69	43	188266	49.970 ug/L	100
14) Carbon disulfide	3.92	76	682861	4.820 ug/L	98
15) Methyl Acetate	4.19	43	48038	4.726 ug/L	97
16) Methylene chloride	4.40	84	200408	4.618 ug/L	93
17) Methyl tert-butyl Ether	4.89	73	242592	4.370 ug/L	98
18) trans-1,2-Dichloroethene	4.89	96	211457	4.592 ug/L	98
19) 1,1-Dichloroethane	5.69	63	411663	4.811 ug/L	98
21) 2-Butanone	6.69	43	256965	53.048 ug/L	97
22) cis-1,2-Dichloroethene	6.67	96	191699	5.005 ug/L	94

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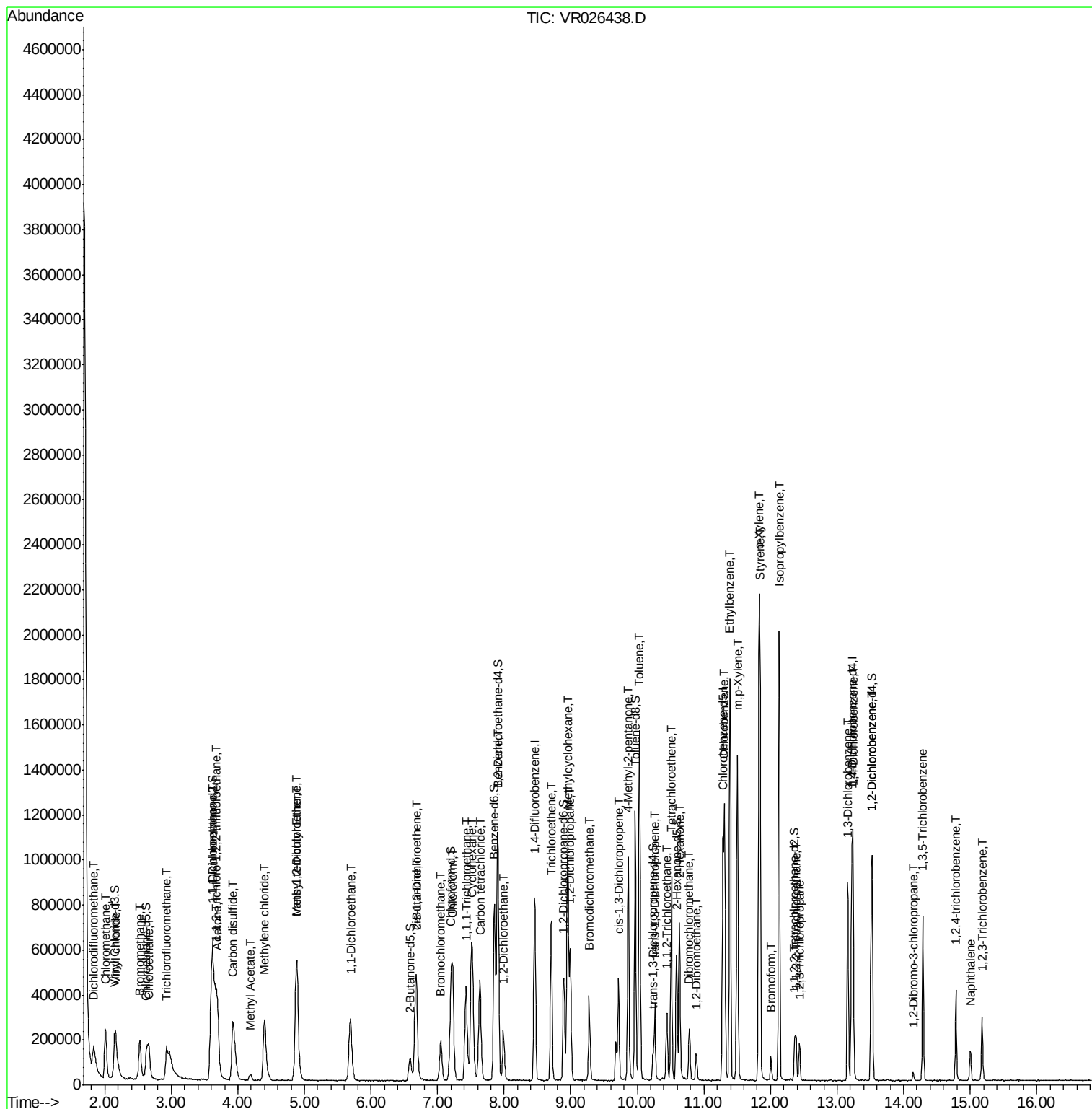
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.04	128	56261	4.714	ug/L	90
25) Chloroform	7.23	83	391807	4.786	ug/L	99
27) 1,2-Dichloroethane	7.99	62	195009	4.776	ug/L	98
29) 1,1,1-Trichloroethane	7.43	97	351171	4.757	ug/L	98
30) Cyclohexane	7.51	56	361503	5.270	ug/L	99
31) Carbon tetrachloride	7.63	117	336611	4.813	ug/L	99
33) Benzene	7.90	78	877794	5.021	ug/L	100
34) Trichloroethene	8.71	95	220879	4.717	ug/L	98
35) Methylcyclohexane	8.95	83	339701	5.087	ug/L	99
37) 1,2-Dichloropropane	8.99	63	184360	4.812	ug/L	99
38) Bromodichloromethane	9.28	83	218410	4.934	ug/L #	97
39) cis-1,3-Dichloropropene	9.72	75	214375	5.155	ug/L	100
40) 4-Methyl-2-pentanone	9.86	43	628648	56.003	ug/L	98
42) Toluene	10.03	91	925541	5.166	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	154488	5.093	ug/L	94
45) 1,1,2-Trichloroethane	10.45	97	72994	4.710	ug/L	99
47) Tetrachloroethene	10.51	164	157352	4.722	ug/L	99
48) 2-Hexanone	10.63	43	423678	56.744	ug/L	98
49) Dibromochloromethane	10.79	129	97830	4.819	ug/L	98
50) 1,2-Dibromoethane	10.88	107	64283	4.823	ug/L	98
51) Chlorobenzene	11.32	112	486784	4.842	ug/L	97
52) Ethylbenzene	11.39	91	1070132	5.185	ug/L	100
53) m,p-Xylene	11.50	106	376196	5.086	ug/L	95
54) o-Xylene	11.83	106	340800	5.244	ug/L	98
55) Styrene	11.84	104	533297	5.198	ug/L	93
56) Isopropylbenzene	12.13	105	1003910	5.442	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	70167	4.663	ug/L	97
59) 1,2,3-Trichloropropane	12.43	75	54979	4.763	ug/L	95
61) Bromoform	12.01	173	36825	4.577	ug/L	95
62) 1,3-Dichlorobenzene	13.16	146	268783	4.651	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	299426	4.615	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	226774	4.731	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.14	75	7771	4.218	ug/L #	70
67) 1,3,5-Trichlorobenzene	14.29	180	171770	4.549	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	93207	4.442	ug/L	95
69) Naphthalene	15.00	128	87996	4.459	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	69957	4.810	ug/L	94

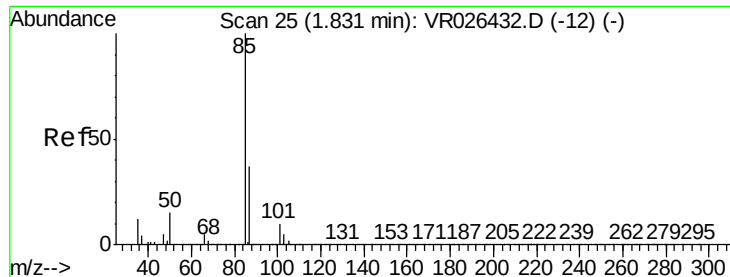
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.413 ug/L

RT: 1.83 min Scan# 25

Delta R.T. -0.00 min

Lab File: VR026438.D

Acq: 3 Apr 2019 19:53

Instrument :

MSVOA_R

ClientSampleId :

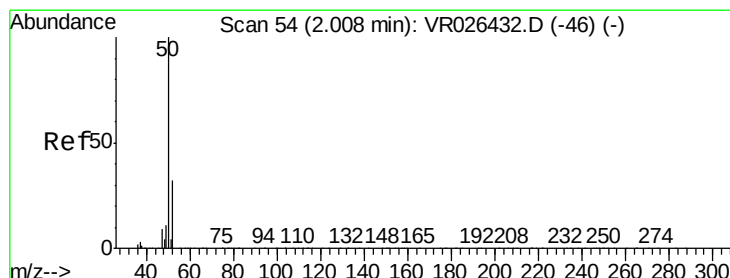
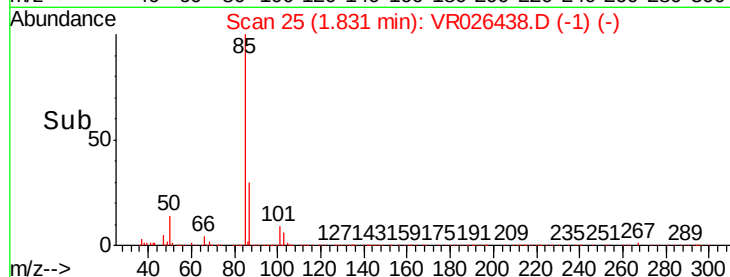
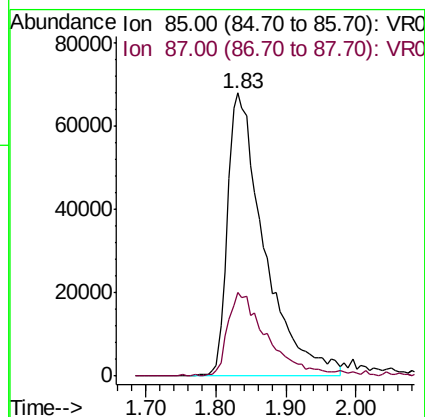
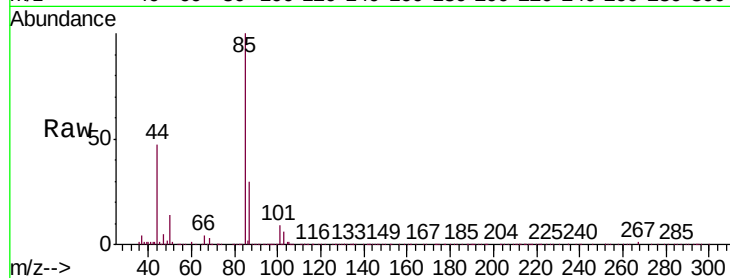
VICV89

Tgt Ion: 85 Resp: 248920

Ion Ratio Lower Upper

85 100

87 30.7 25.5 38.3



#3

Chloromethane

Concen: 4.729 ug/L

RT: 2.01 min Scan# 54

Delta R.T. -0.00 min

Lab File: VR026438.D

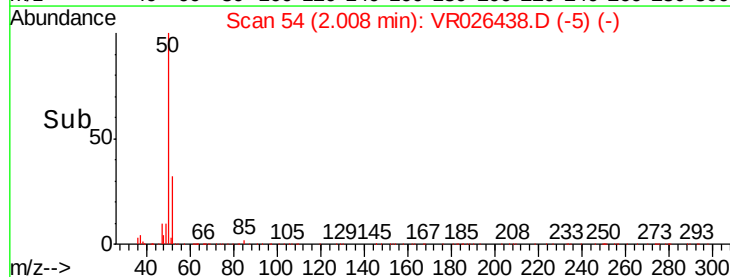
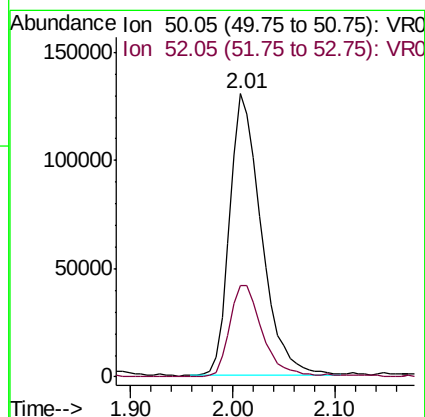
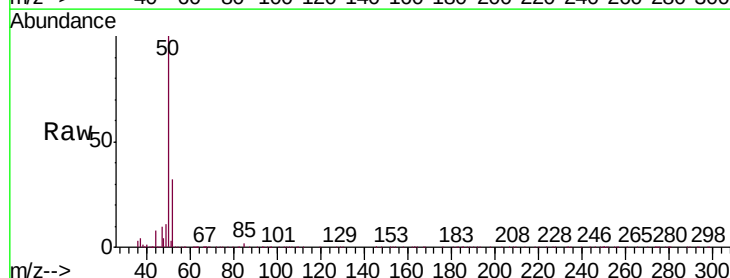
Acq: 3 Apr 2019 19:53

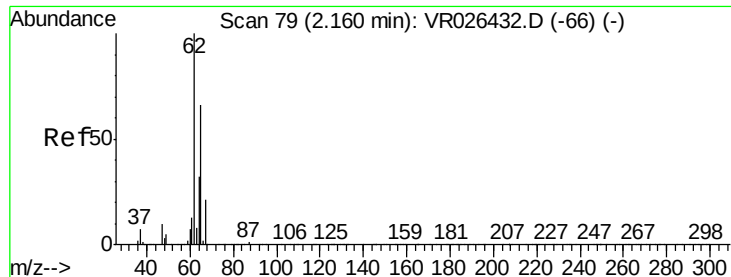
Tgt Ion: 50 Resp: 281353

Ion Ratio Lower Upper

50 100

52 32.4 22.5 41.9





#5

Vinyl chloride

Concen: 4.712 ug/L

RT: 2.17 min Scan# 80

Delta R.T. 0.01 min

Lab File: VR026438.D

Acq: 3 Apr 2019 19:53

Instrument :

MSVOA_R

ClientSampleId :

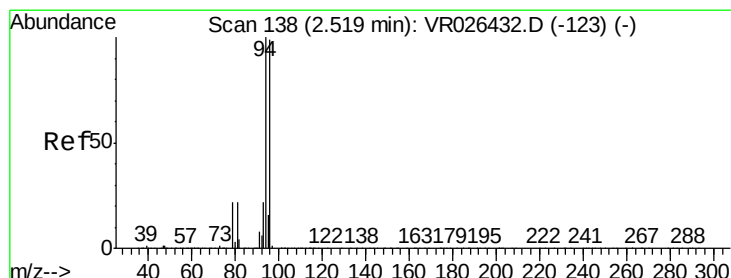
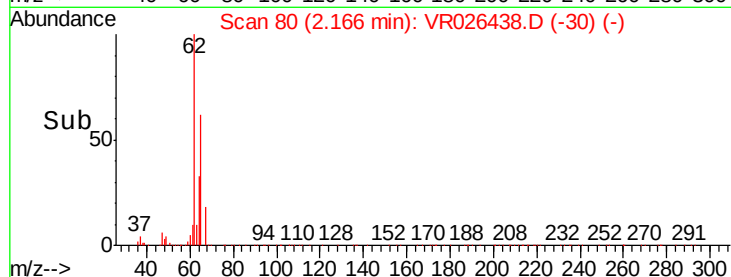
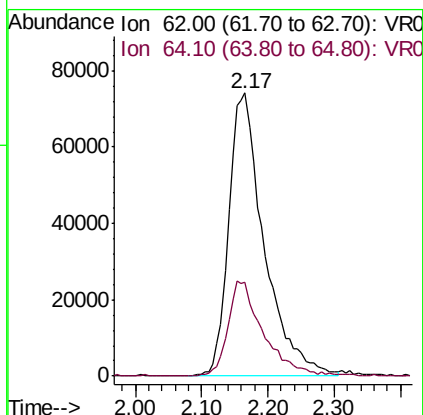
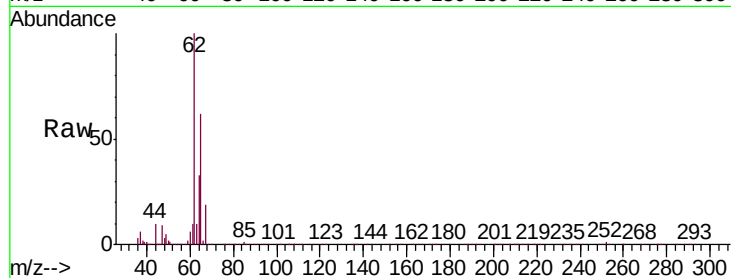
VICV89

Tgt Ion: 62 Resp: 275480

Ion Ratio Lower Upper

62 100

64 33.0 22.3 41.5



#6

Bromomethane

Concen: 4.651 ug/L

RT: 2.52 min Scan# 139

Delta R.T. 0.01 min

Lab File: VR026438.D

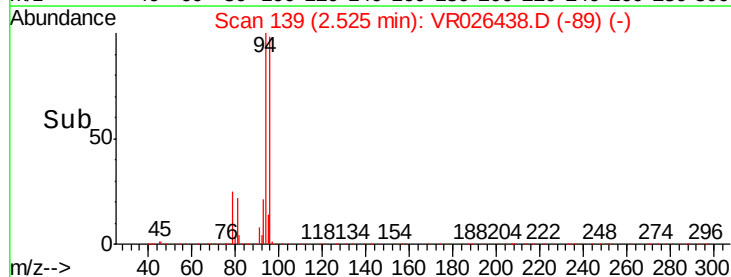
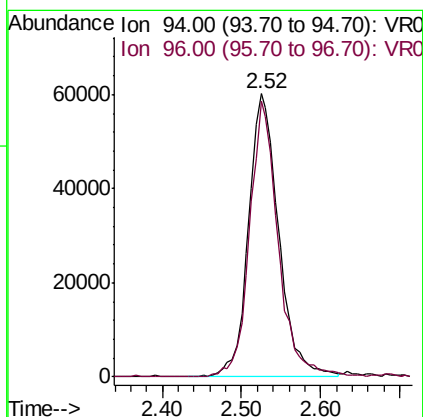
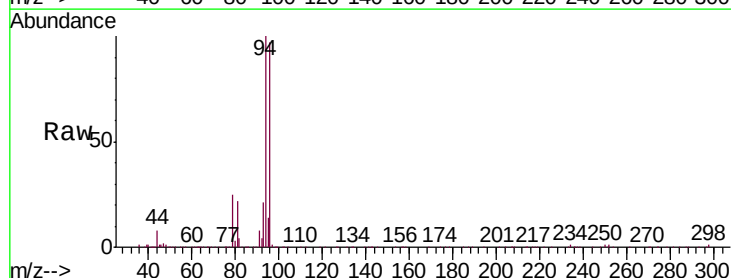
Acq: 3 Apr 2019 19:53

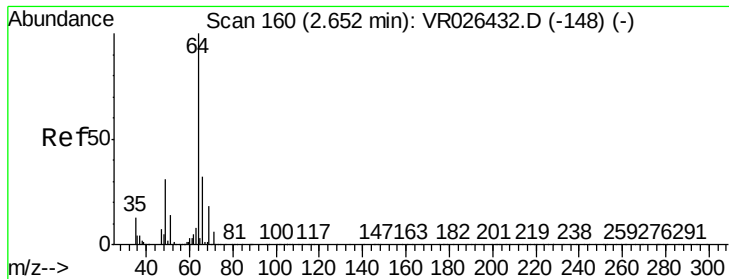
Tgt Ion: 94 Resp: 158986

Ion Ratio Lower Upper

94 100

96 97.3 69.1 128.3





#8

Chloroethane

Concen: 4.638 ug/L

RT: 2.66 min Scan# 161

Delta R.T. 0.01 min

Lab File: VR026438.D

Acq: 3 Apr 2019 19:53

Instrument :

MSVOA_R

ClientSampled :

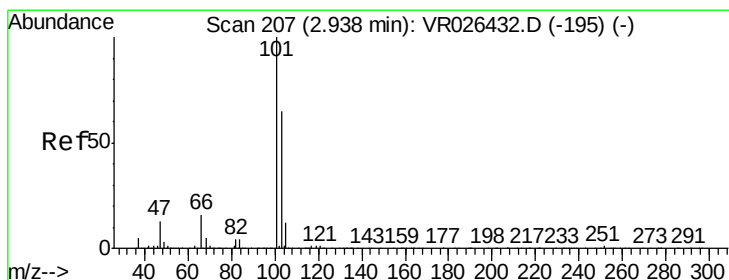
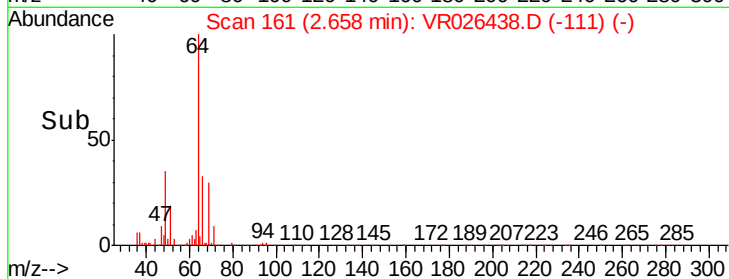
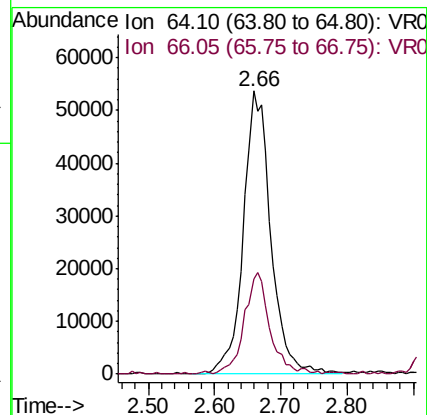
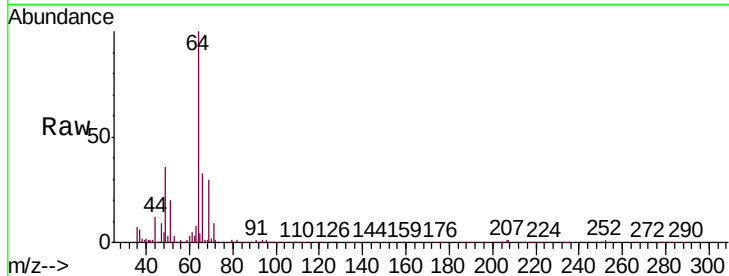
VICV89

Tgt Ion: 64 Resp: 153740

Ion Ratio Lower Upper

64 100

66 33.5 22.4 41.6



#9

Trichlorofluoromethane

Concen: 1.995 ug/L

RT: 2.93 min Scan# 205

Delta R.T. -0.01 min

Lab File: VR026438.D

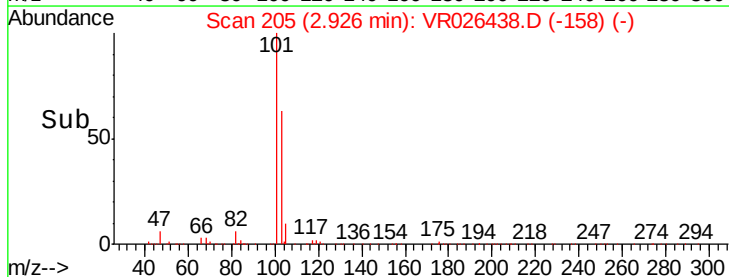
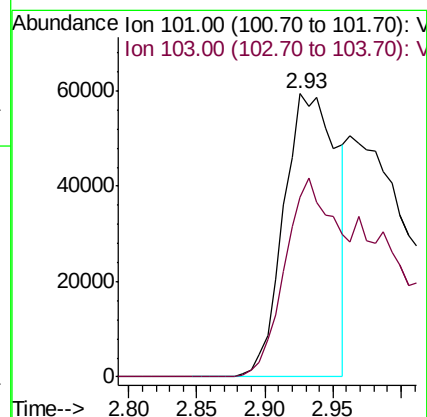
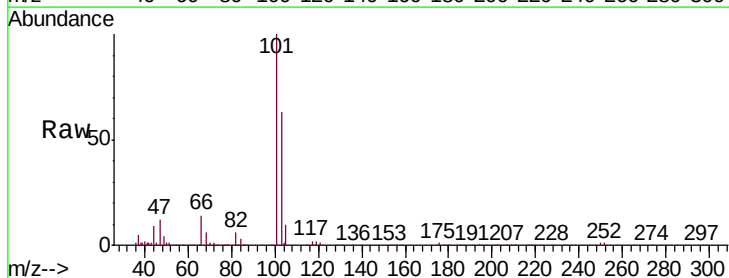
Acq: 3 Apr 2019 19:53

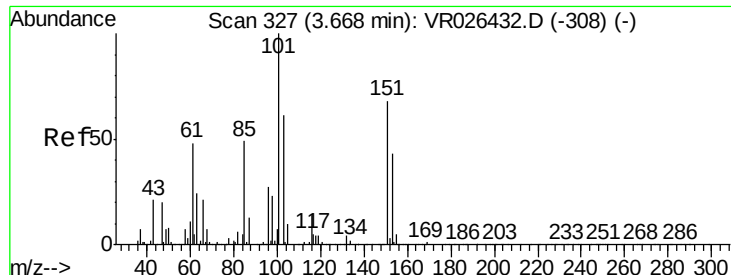
Tgt Ion: 101 Resp: 161476

Ion Ratio Lower Upper

101 100

103 72.7 48.2 72.2#





#10

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

Concen: 4.609 ug/L

RT: 3.68 min Scan# 329

Delta R.T. 0.01 min

Lab File: VR026438.D

Acq: 3 Apr 2019 19:53

Instrument :

MSVOA_R

ClientSampleId :

VICV89

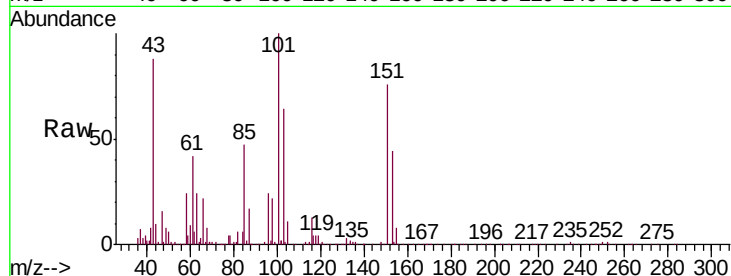
Tgt Ion:101 Resp: 205815

Ion Ratio Lower Upper

101 100

85 48.3 39.2 58.8

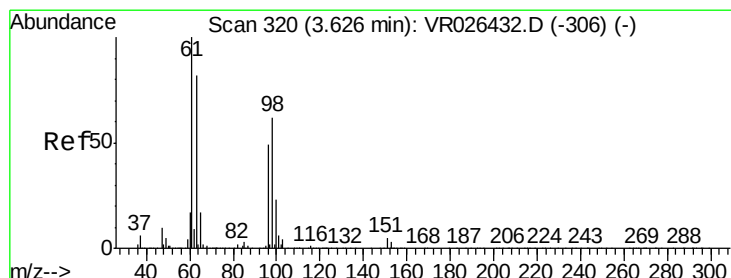
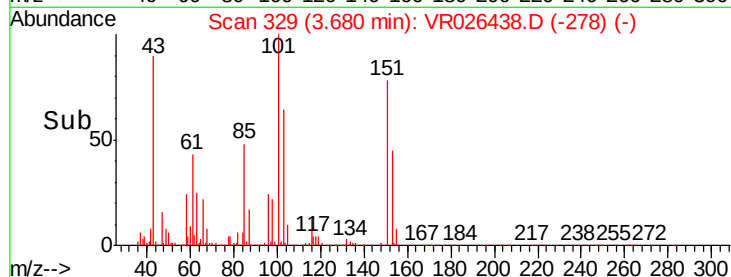
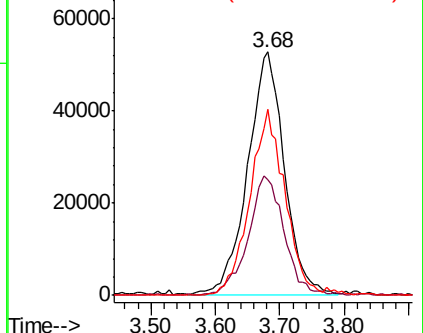
151 73.7 59.7 89.5



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: 4.905 ug/L

RT: 3.63 min Scan# 320

Delta R.T. -0.00 min

Lab File: VR026438.D

Acq: 3 Apr 2019 19:53

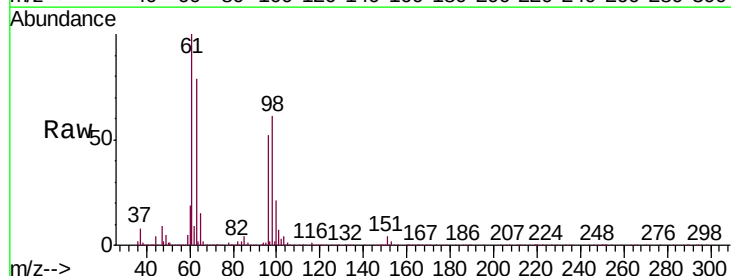
Tgt Ion: 96 Resp: 239385

Ion Ratio Lower Upper

96 100

61 192.5 142.7 264.9

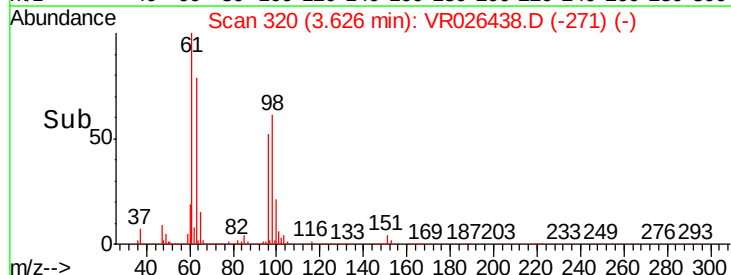
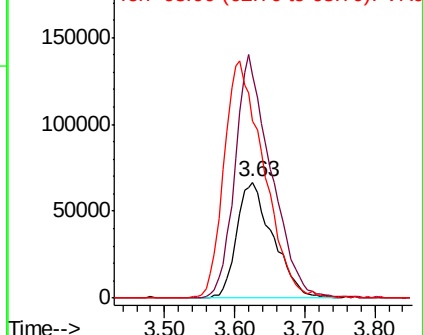
63 153.0 116.9 217.1

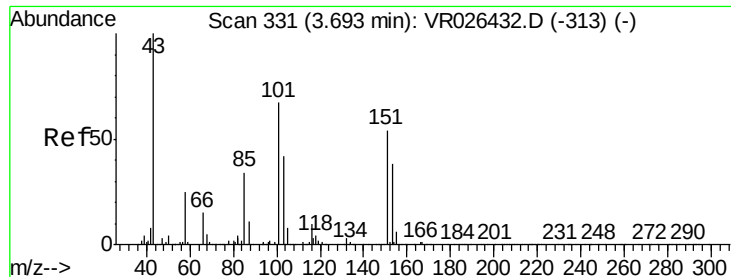


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 49.970 ug/L

RT: 3.69 min Scan# 331

Delta R.T. -0.00 min

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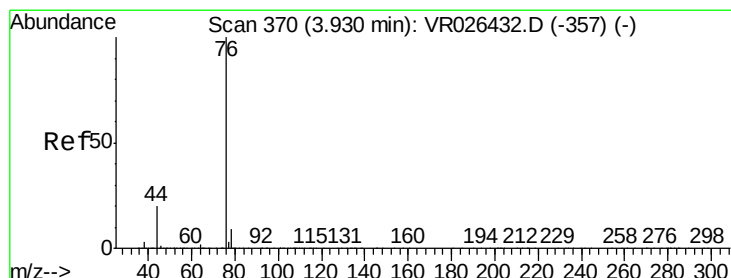
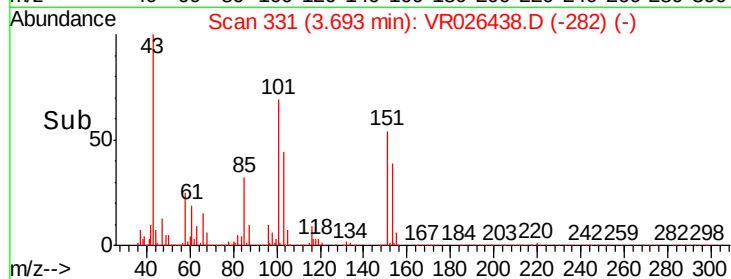
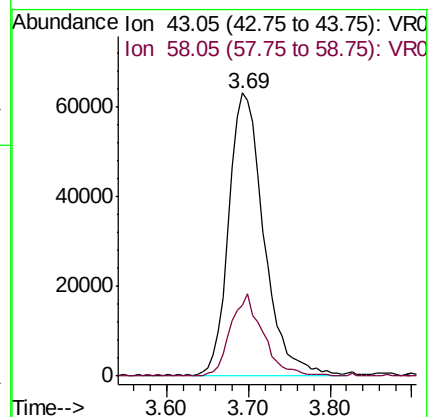
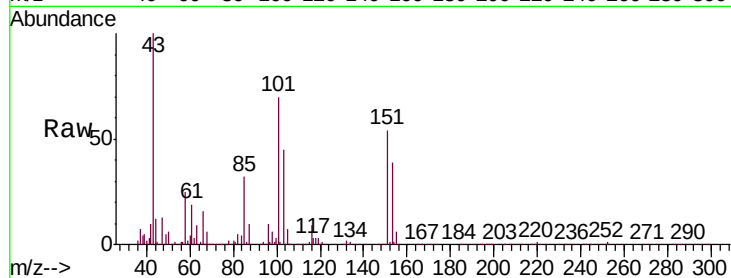
VICV89

Tgt Ion: 43 Resp: 188266

Ion Ratio Lower Upper

43 100

58 26.7 0.0 53.8



#14

Carbon disulfide

Concen: 4.820 ug/L

RT: 3.92 min Scan# 369

Delta R.T. -0.01 min

Lab File: VR026438.D

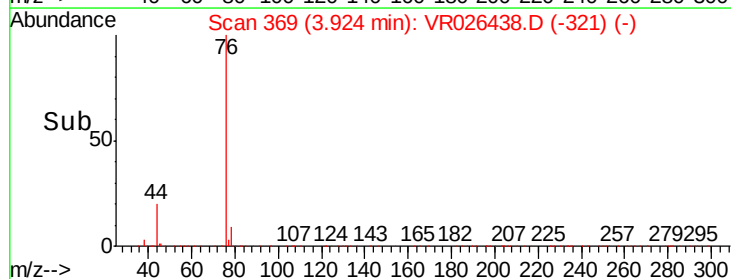
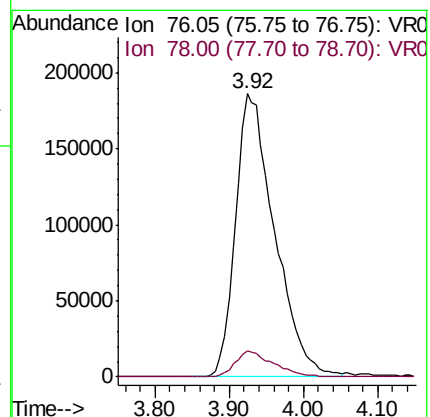
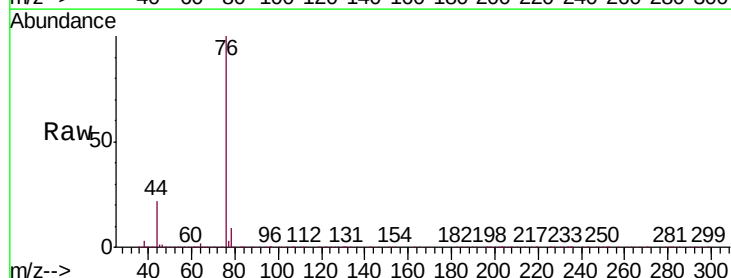
Acq: 3 Apr 2019 19:53

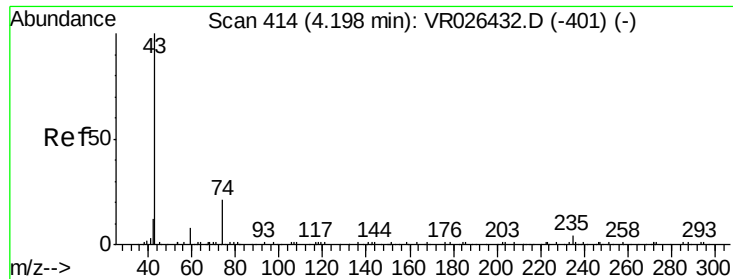
Tgt Ion: 76 Resp: 682861

Ion Ratio Lower Upper

76 100

78 9.0 7.7 11.5

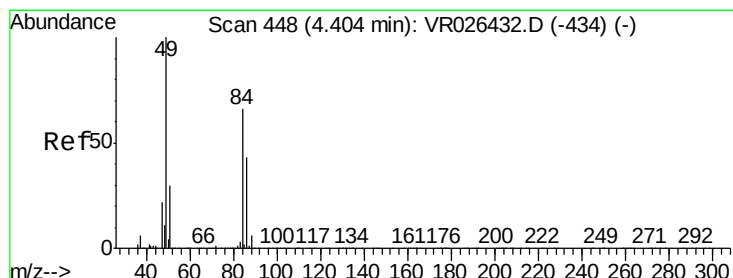
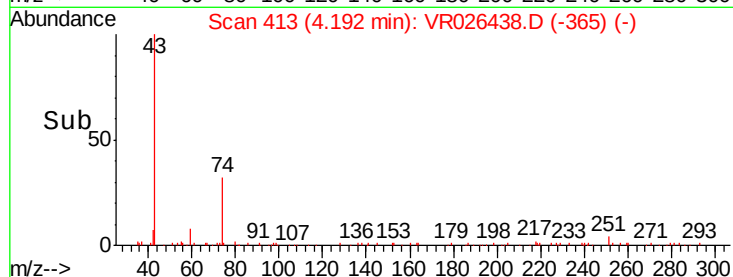
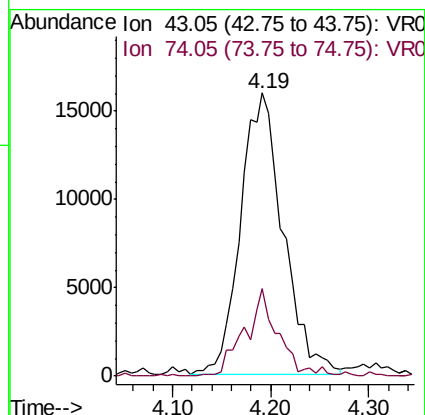
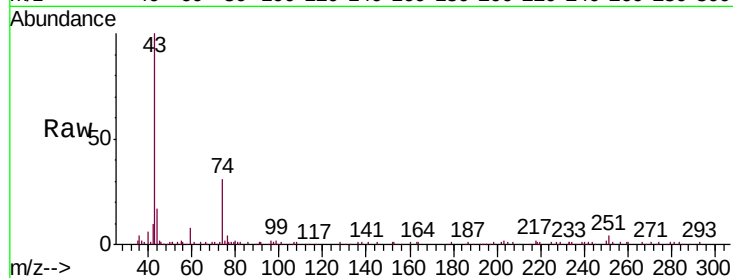




#15
Methyl Acetate
Concen: 4.726 ug/L
RT: 4.19 min Scan# 413
Delta R.T. -0.01 min
Lab File: VR026438.D
Acq: 3 Apr 2019 19:53

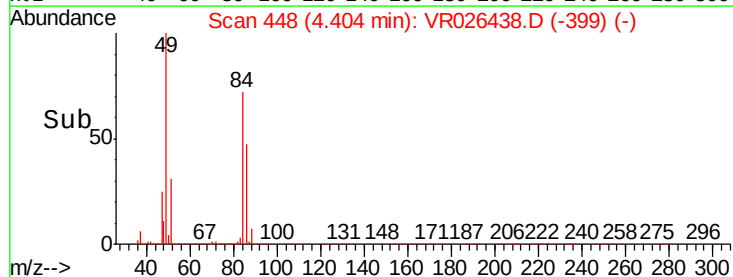
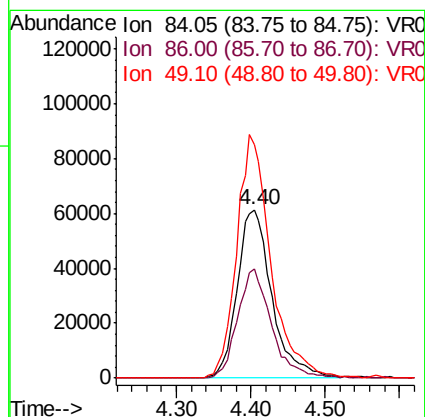
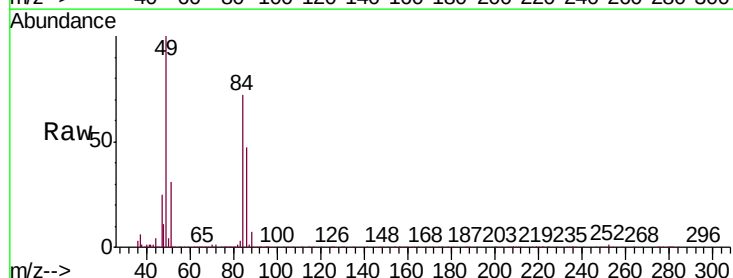
Instrument :
MSVOA_R
ClientSampleId :
VICV89

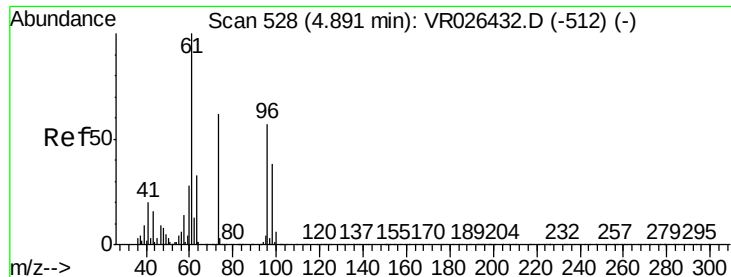
Tgt Ion: 43 Resp: 48038
Ion Ratio Lower Upper
43 100
74 23.5 17.5 26.3



#16
Methylene chloride
Concen: 4.618 ug/L
RT: 4.40 min Scan# 448
Delta R.T. -0.00 min
Lab File: VR026438.D
Acq: 3 Apr 2019 19:53

Tgt Ion: 84 Resp: 200408
Ion Ratio Lower Upper
84 100
86 65.0 45.6 84.6
49 139.1 106.5 197.9





#17

Methyl tert-butyl Ether

Concen: 4.370 ug/L

RT: 4.89 min Scan# 528

Delta R.T. -0.00 min

Lab File: VR026438.D

Acq: 3 Apr 2019 19:53

Instrument :

MSVOA_R

ClientSampled :

VICV89

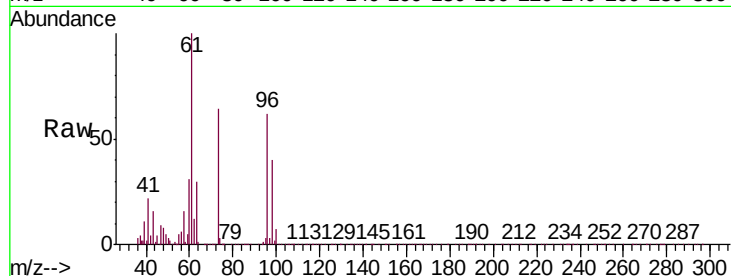
Tgt Ion: 73 Resp: 242592

Ion Ratio Lower Upper

73 100

43 26.4 19.8 29.8

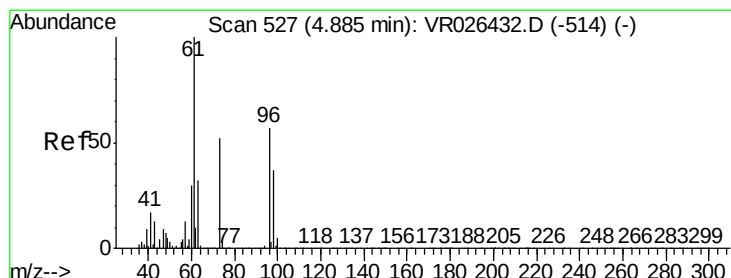
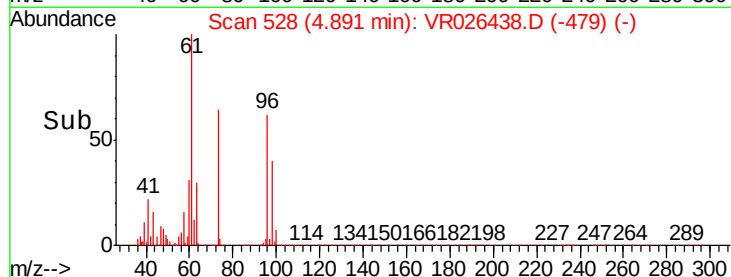
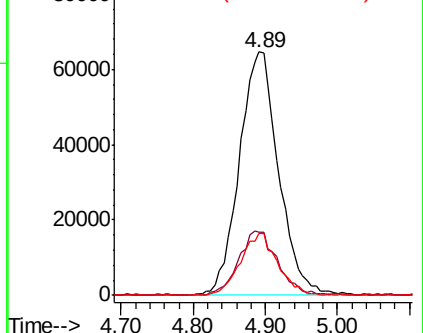
57 24.3 18.9 28.3



Abundance Ion 73.10 (72.80 to 73.80): VR0

Ion 43.05 (42.75 to 43.75): VR0

Ion 57.10 (56.80 to 57.80): VR0



#18

trans-1,2-Dichloroethene

Concen: 4.592 ug/L

RT: 4.89 min Scan# 527

Delta R.T. -0.00 min

Lab File: VR026438.D

Acq: 3 Apr 2019 19:53

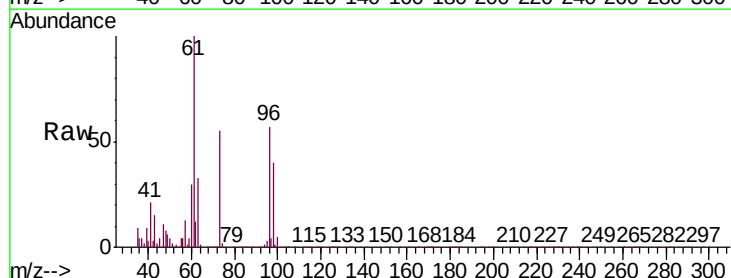
Tgt Ion: 96 Resp: 211457

Ion Ratio Lower Upper

96 100

61 174.8 122.9 228.3

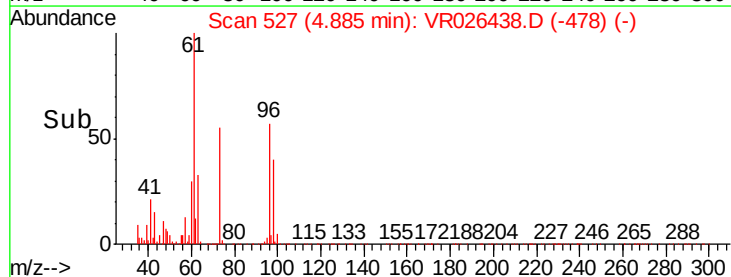
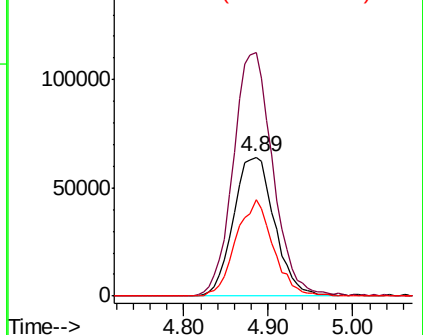
98 69.1 45.2 84.0

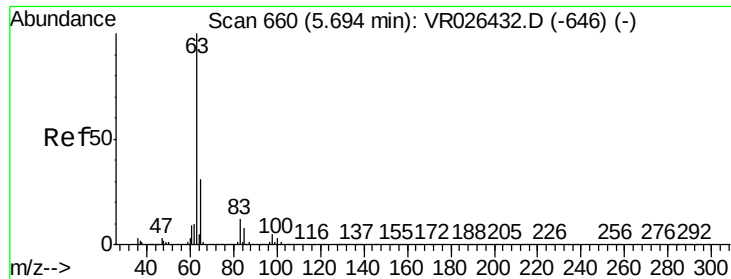


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 97.95 (97.65 to 98.65): VR0

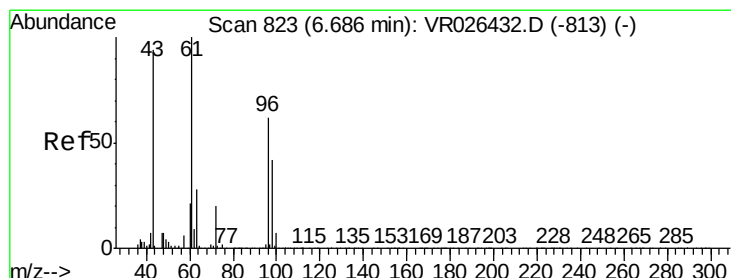
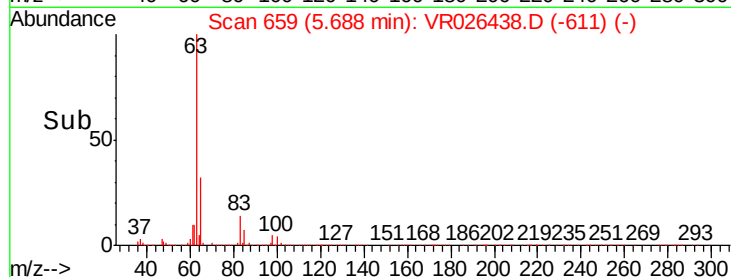
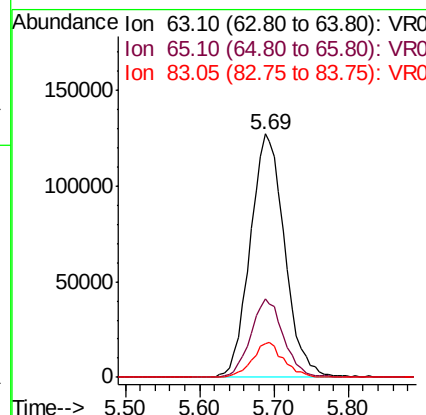
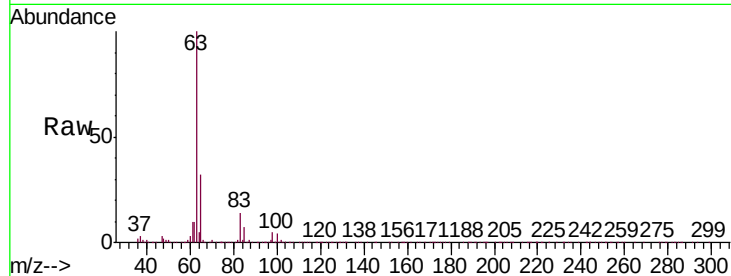




#19
 1,1-Dichloroethane
 Concen: 4.811 ug/L
 RT: 5.69 min Scan# 659
 Delta R.T. -0.01 min
 Lab File: VR026438.D
 Acq: 3 Apr 2019 19:53

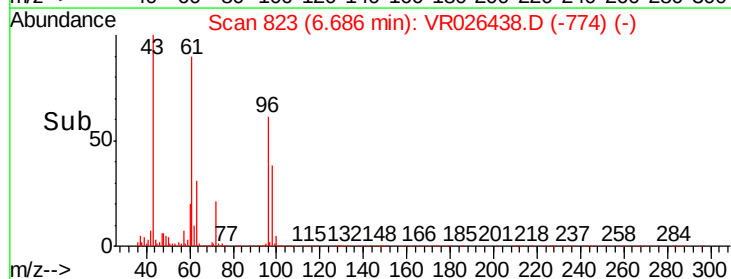
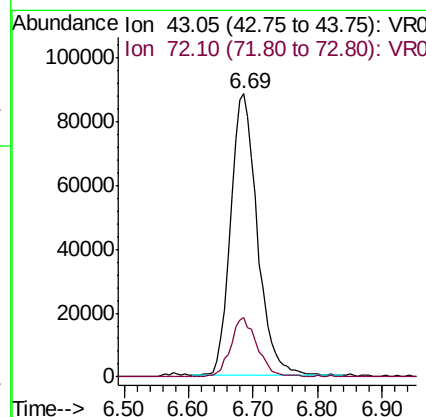
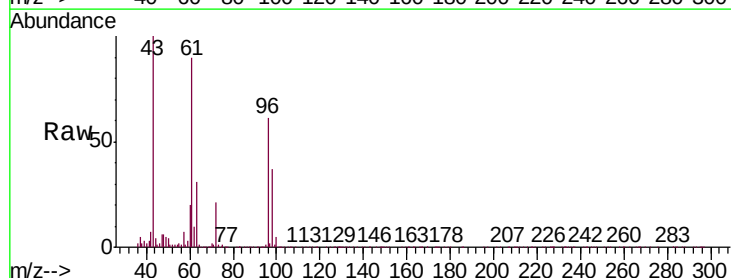
Instrument :
 MSVOA_R
 ClientSampleId :
 VICV89

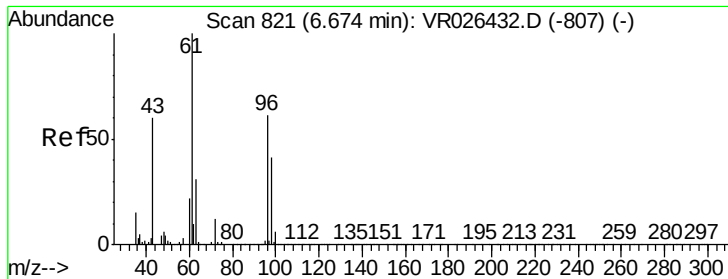
Tgt Ion: 63 Resp: 411663
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.0 40.8
 83 14.0 8.2 15.2



#21
 2-Butanone
 Concen: 53.048 ug/L
 RT: 6.69 min Scan# 823
 Delta R.T. -0.00 min
 Lab File: VR026438.D
 Acq: 3 Apr 2019 19:53

Tgt Ion: 43 Resp: 256965
 Ion Ratio Lower Upper
 43 100
 72 20.9 11.1 33.3



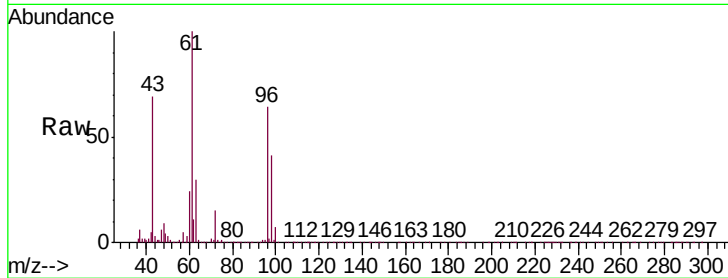


#22

cis-1,2-Dichloroethene
Concen: 5.005 ug/L
RT: 6.67 min Scan# 821
Delta R.T. -0.00 min
Lab File: VR026438.D
Acq: 3 Apr 2019 19:53

Instrument :
MSVOA_R
ClientSampled :
VICV89

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.7	115.0	213.6
68	0.0	0.0	0.0

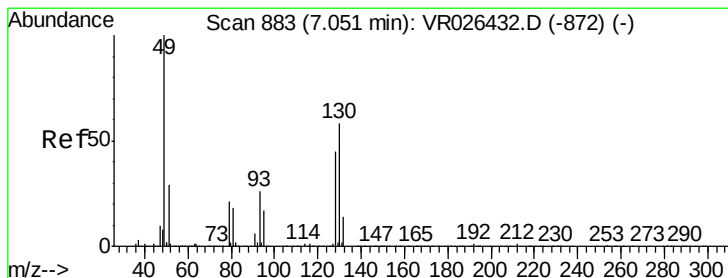
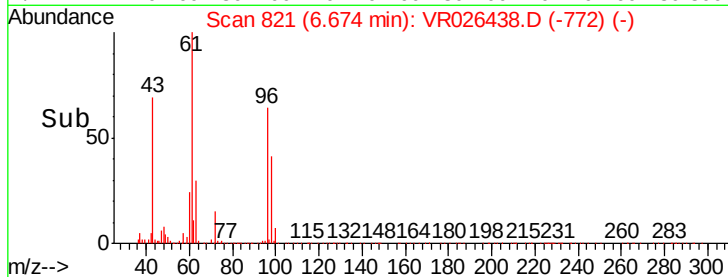
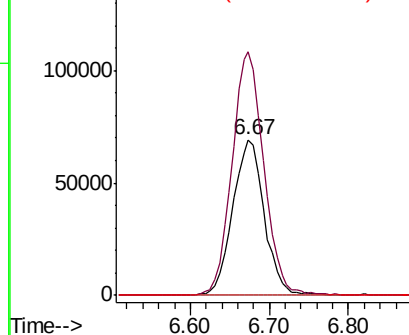


Abundance

Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

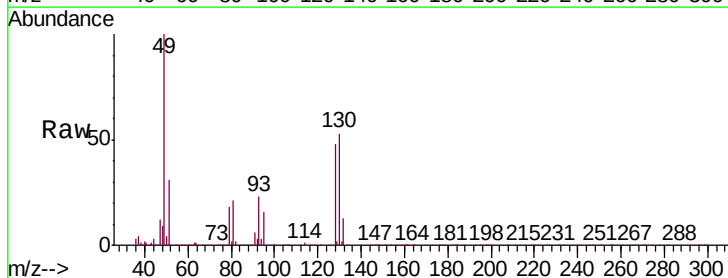
Ion 68.15 (67.85 to 68.85): VR0



#23

Bromochloromethane
Concen: 4.714 ug/L
RT: 7.04 min Scan# 882
Delta R.T. -0.01 min
Lab File: VR026438.D
Acq: 3 Apr 2019 19:53

Tgt Ion	Ratio	Lower	Upper
128	100		
49	210.2	158.3	293.9
130	112.0	90.0	167.2
51	64.8	51.8	77.8



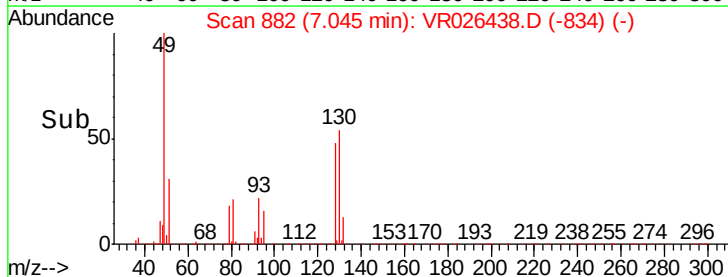
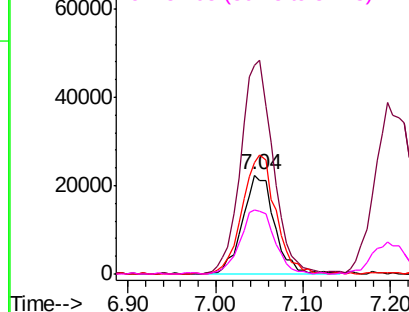
Abundance

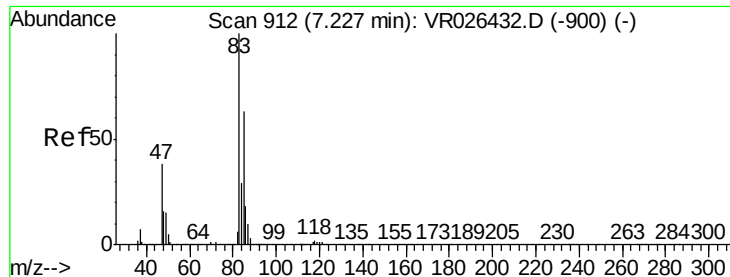
Ion 127.90 (127.60 to 128.60): V

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: 4.786 ug/L

RT: 7.23 min Scan# 912

Delta R.T. -0.00 min

Lab File: VR026438.D

Acq: 3 Apr 2019 19:53

Instrument :

MSVOA_R

ClientSampleId :

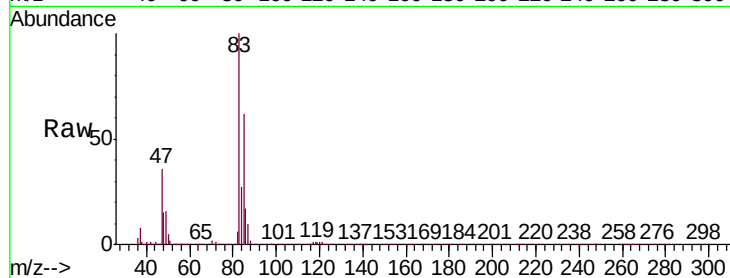
VICV89

Tgt Ion: 83 Resp: 391807

Ion Ratio Lower Upper

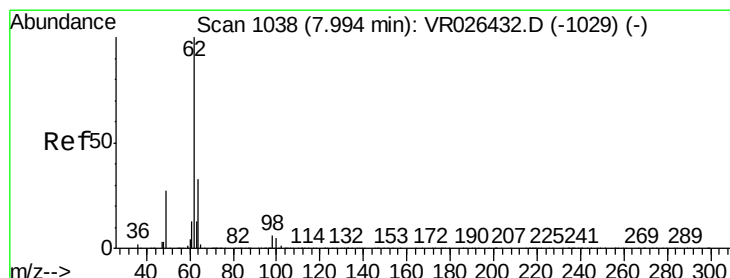
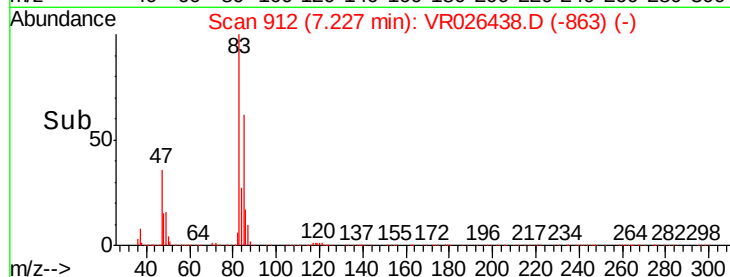
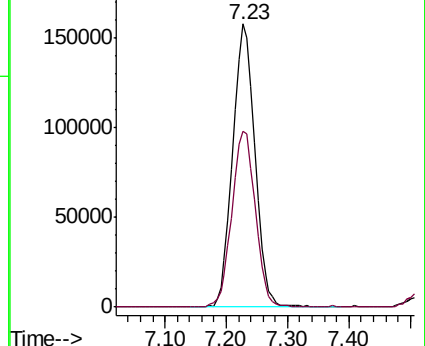
83 100

85 62.3 44.2 82.0



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0



#27

1,2-Dichloroethane

Concen: 4.776 ug/L

RT: 7.99 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VR026438.D

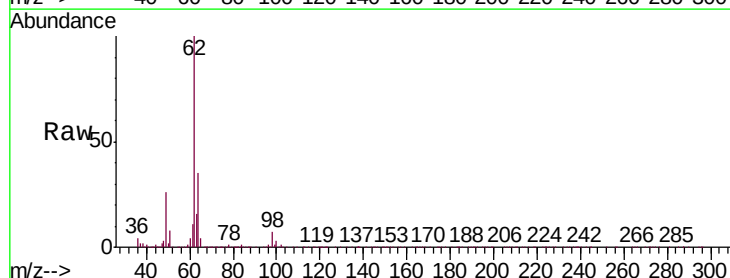
Acq: 3 Apr 2019 19:53

Tgt Ion: 62 Resp: 195009

Ion Ratio Lower Upper

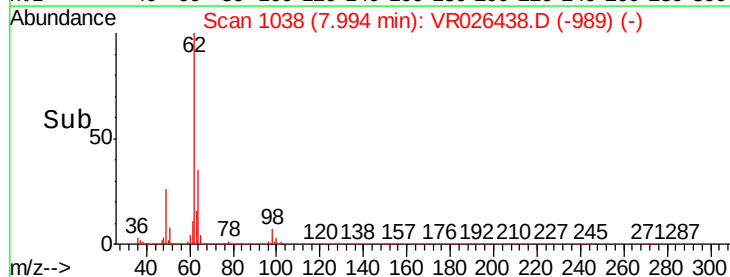
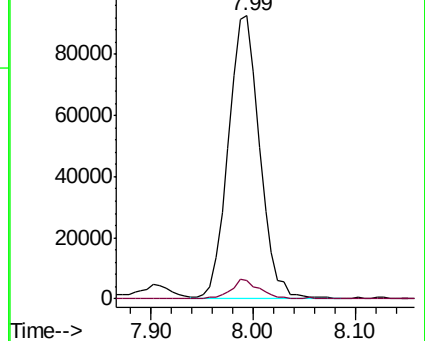
62 100

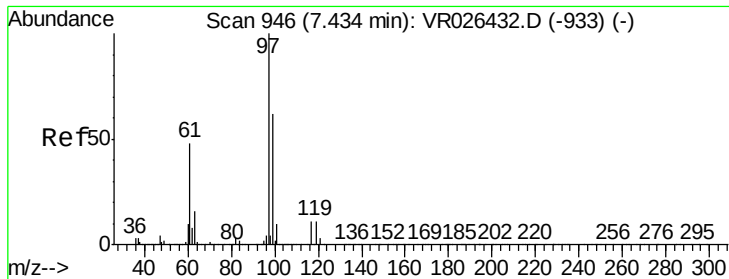
98 6.6 4.8 7.2



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0

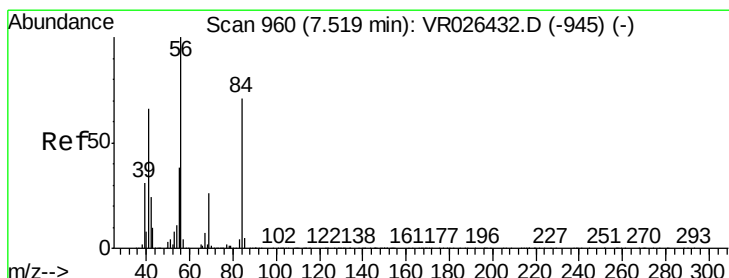
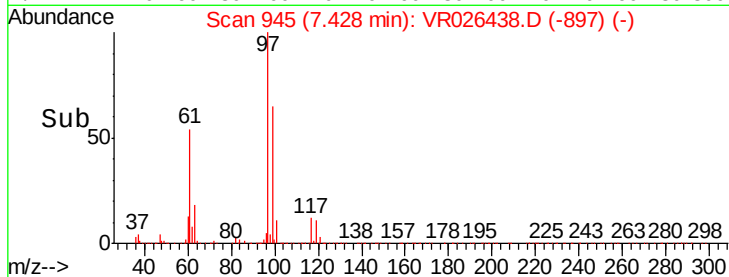
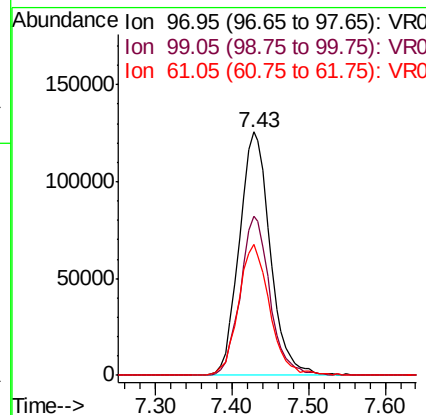
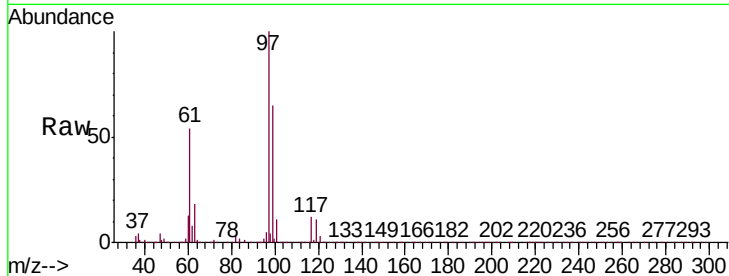




#29
 1,1,1-Trichloroethane
 Concen: 4.757 ug/L
 RT: 7.43 min Scan# 945
 Delta R.T. -0.01 min
 Lab File: VR026438.D
 Acq: 3 Apr 2019 19:53

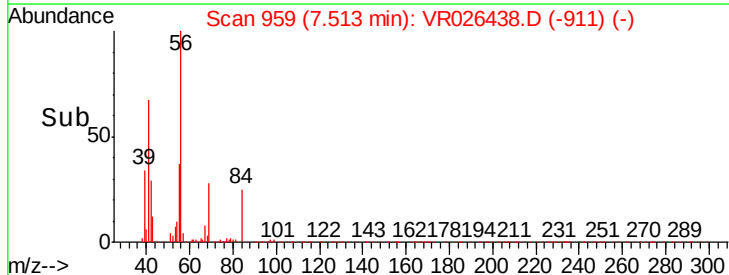
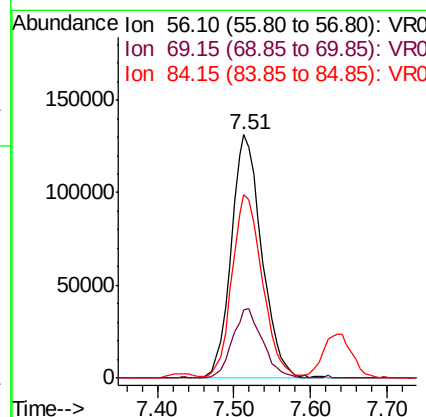
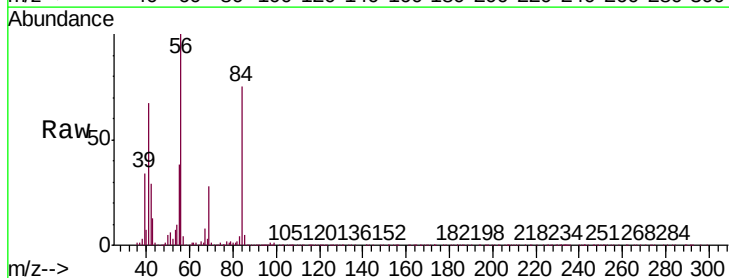
Instrument :
 MSVOA_R
 ClientSampleId :
 VICV89

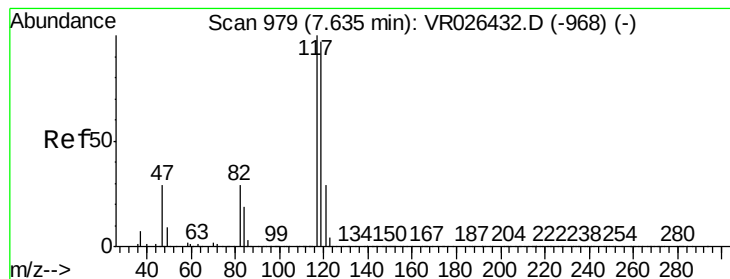
Tgt Ion: 97 Resp: 351171
 Ion Ratio Lower Upper
 97 100
 99 62.7 49.6 74.4
 61 54.0 41.8 62.6



#30
 Cyclohexane
 Concen: 5.270 ug/L
 RT: 7.51 min Scan# 959
 Delta R.T. -0.01 min
 Lab File: VR026438.D
 Acq: 3 Apr 2019 19:53

Tgt Ion: 56 Resp: 361503
 Ion Ratio Lower Upper
 56 100
 69 28.1 22.6 33.8
 84 75.3 59.6 89.4





#31

Carbon tetrachloride

Concen: 4.813 ug/L

RT: 7.63 min Scan# 979

Delta R.T. -0.00 min

Lab File: VR026438.D

Acq: 3 Apr 2019 19:53

Instrument :

MSVOA_R

ClientSampleId :

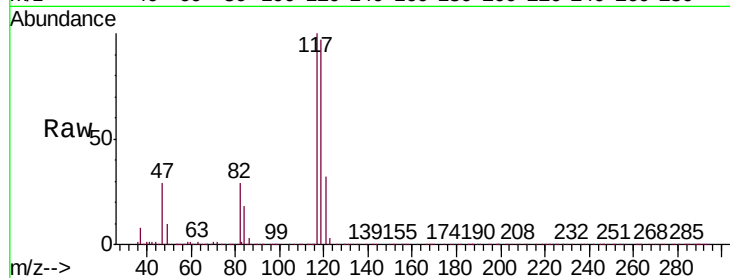
VICV89

Tgt Ion: 117 Resp: 336611

Ion Ratio Lower Upper

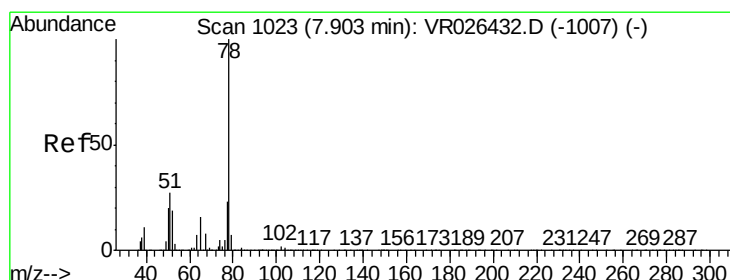
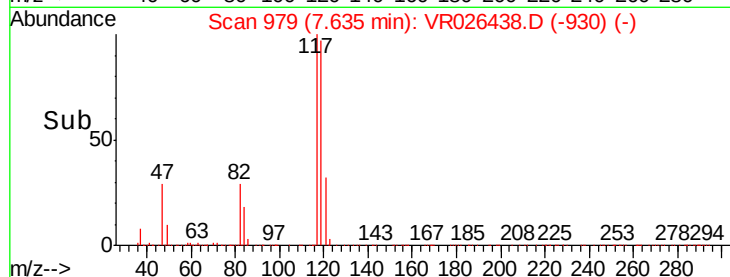
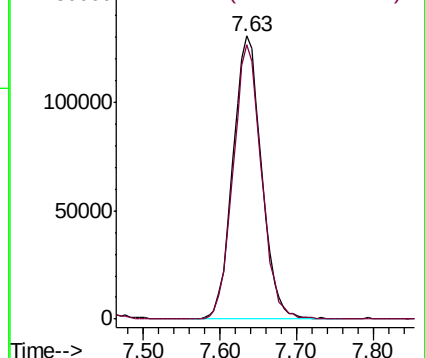
117 100

119 96.1 75.9 113.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.021 ug/L

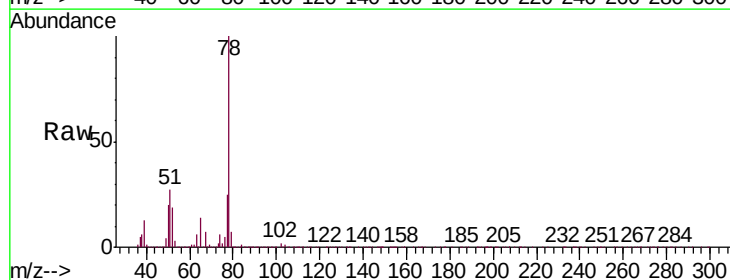
RT: 7.90 min Scan# 1023

Delta R.T. -0.00 min

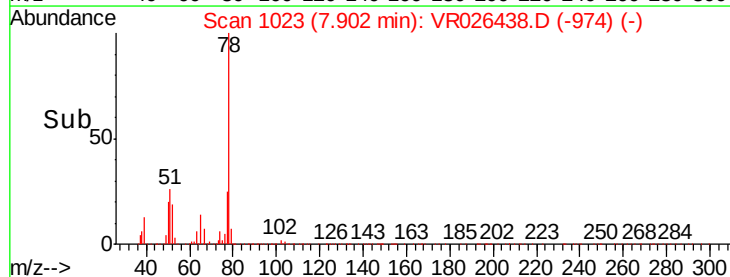
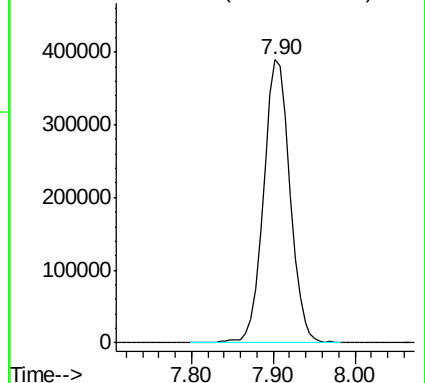
Lab File: VR026438.D

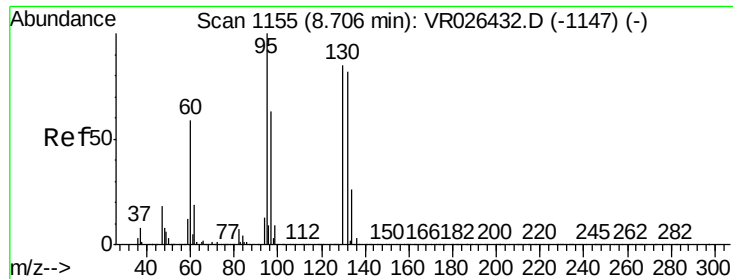
Acq: 3 Apr 2019 19:53

Tgt Ion: 78 Resp: 877794



Abundance Ion 78.10 (77.80 to 78.80): VR0

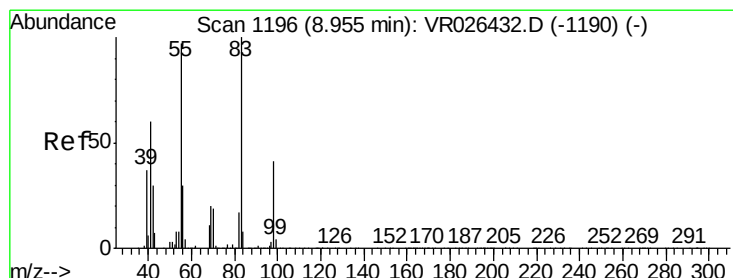
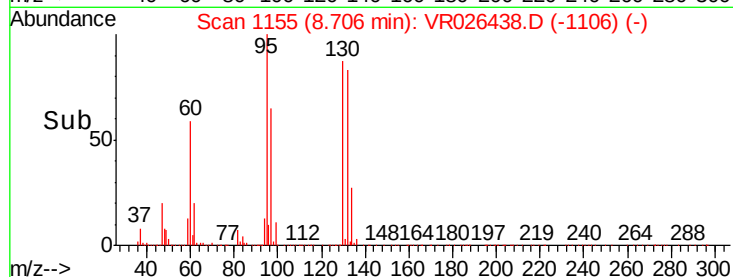
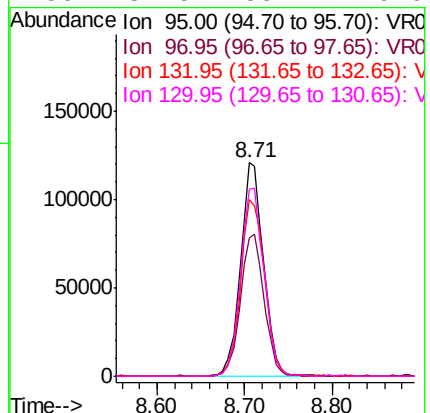
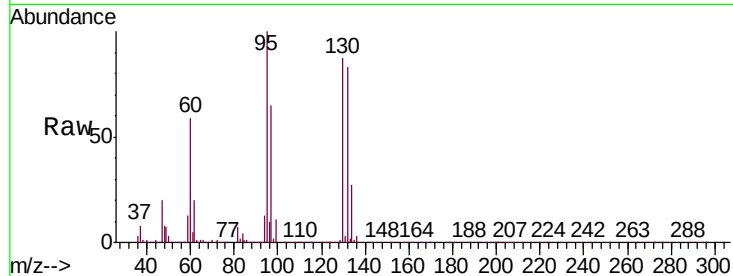




#34
 Trichloroethene
 Concen: 4.717 ug/L
 RT: 8.71 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: VR026438.D
 Acq: 3 Apr 2019 19:53

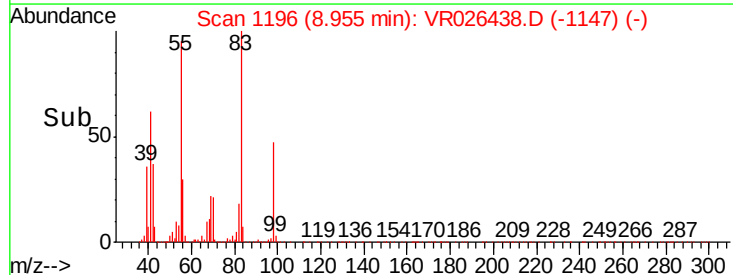
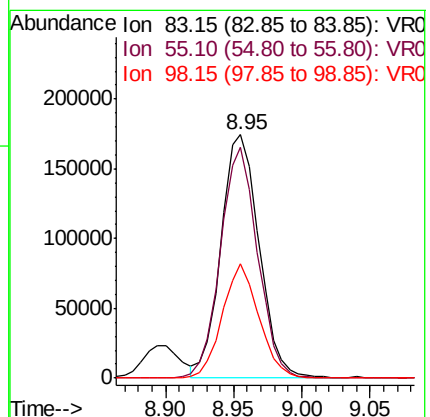
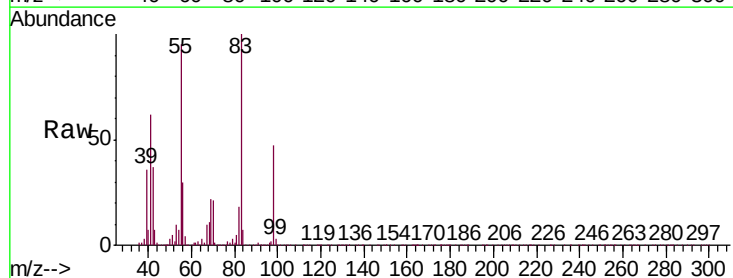
Instrument :
 MSVOA_R
 ClientSampleId :
 VICV89

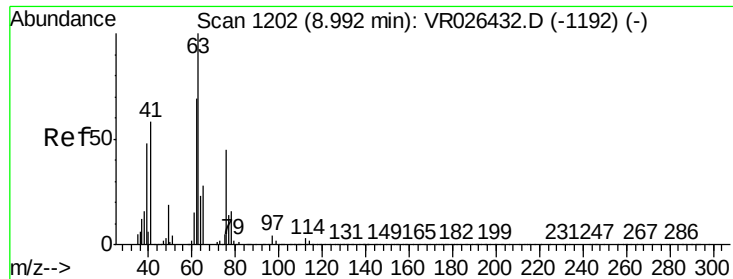
Tgt Ion: 95 Resp: 220879
 Ion Ratio Lower Upper
 95 100
 97 64.8 43.8 81.3
 132 82.7 57.2 106.2
 130 87.5 59.7 110.9



#35
 Methylcyclohexane
 Concen: 5.087 ug/L
 RT: 8.95 min Scan# 1196
 Delta R.T. -0.00 min
 Lab File: VR026438.D
 Acq: 3 Apr 2019 19:53

Tgt Ion: 83 Resp: 339701
 Ion Ratio Lower Upper
 83 100
 55 92.7 73.8 110.6
 98 45.0 34.6 51.8

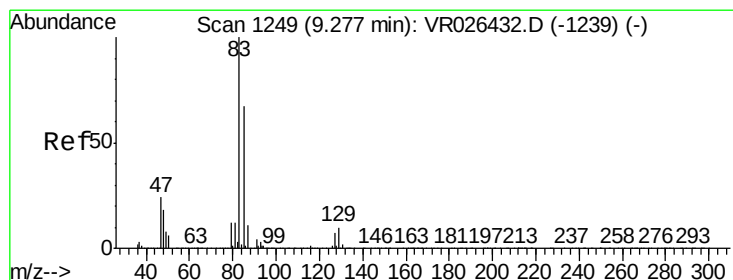
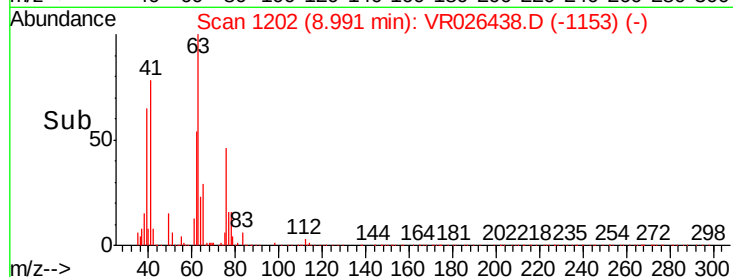
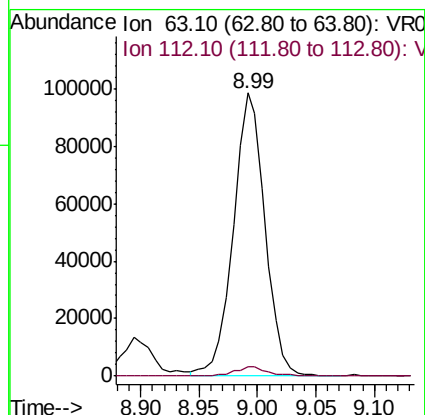
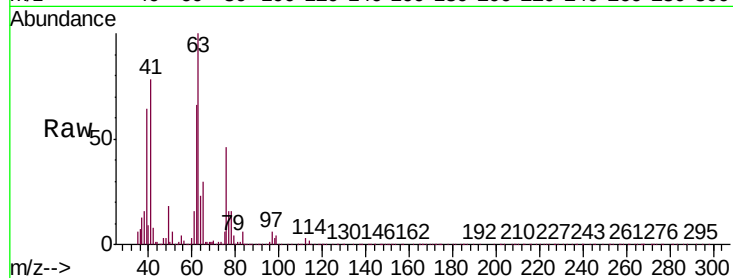




#37
 1,2-Dichloropropane
 Concen: 4.812 ug/L
 RT: 8.99 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VR026438.D
 Acq: 3 Apr 2019 19:53

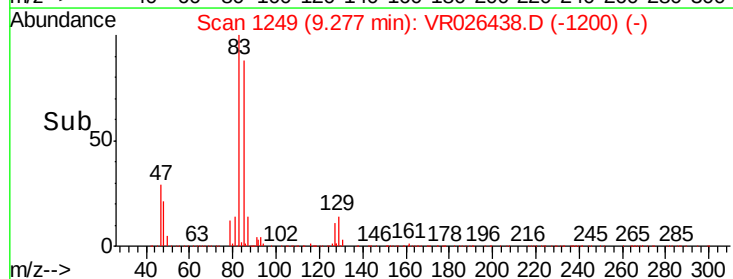
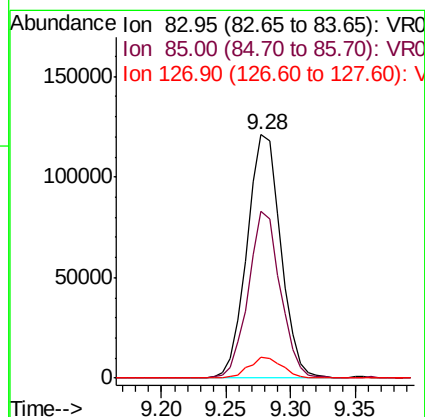
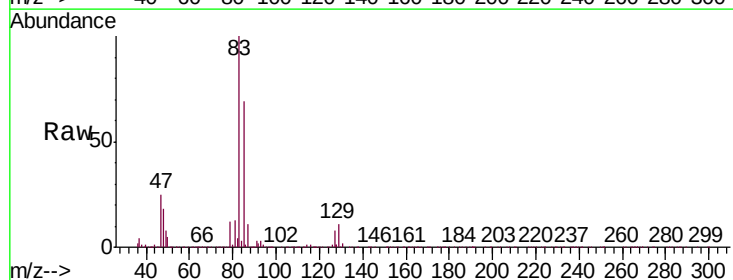
Instrument :
 MSVOA_R
 ClientSampled :
 VICV89

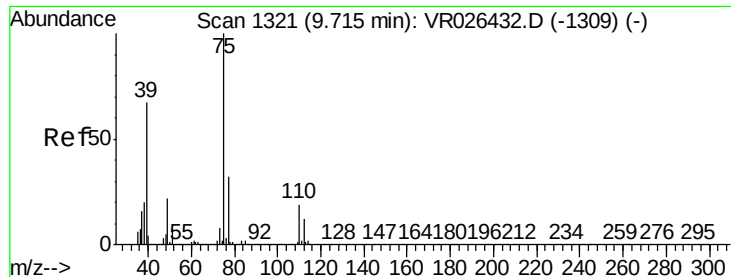
Tgt Ion: 63 Resp: 184360
 Ion Ratio Lower Upper
 63 100
 112 3.7 2.8 4.2



#38
 Bromodichloromethane
 Concen: 4.934 ug/L
 RT: 9.28 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VR026438.D
 Acq: 3 Apr 2019 19:53

Tgt Ion: 83 Resp: 218410
 Ion Ratio Lower Upper
 83 100
 85 68.6 46.6 86.6
 127 8.5 5.6 8.4#



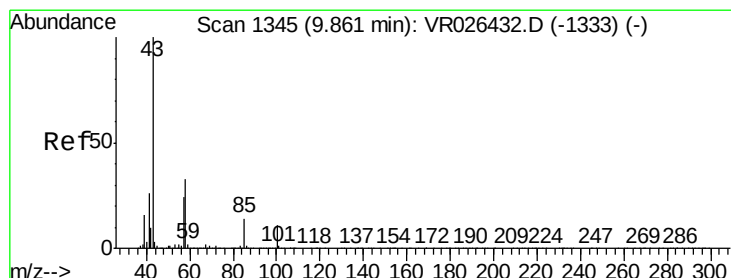
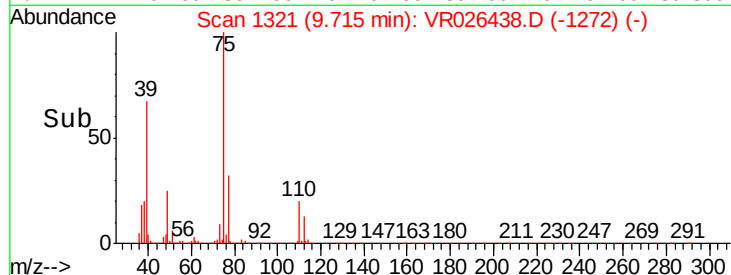
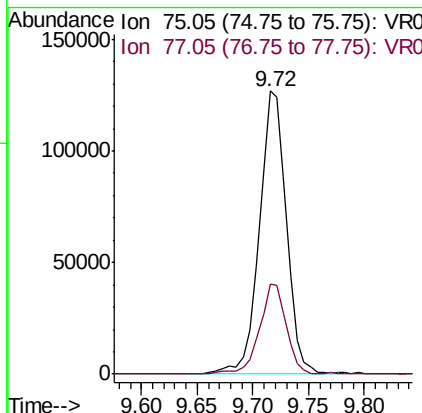
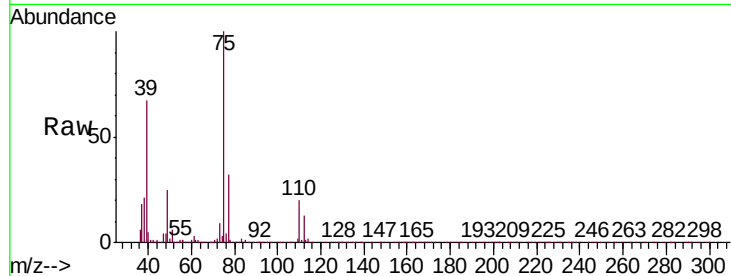


#39

cis-1,3-Dichloropropene
 Concen: 5.155 ug/L
 RT: 9.72 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VR026438.D
 Acq: 3 Apr 2019 19:53

Instrument :
 MSVOA_R
 ClientSampleId :
 VICV89

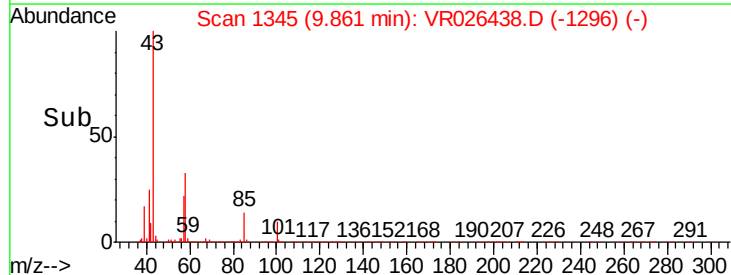
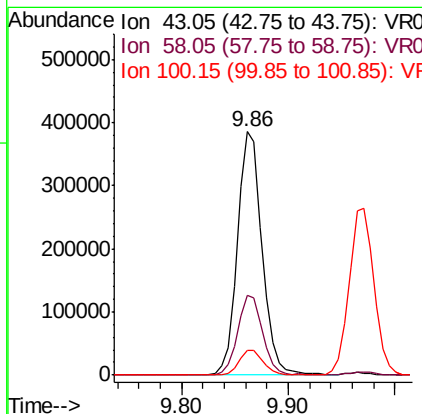
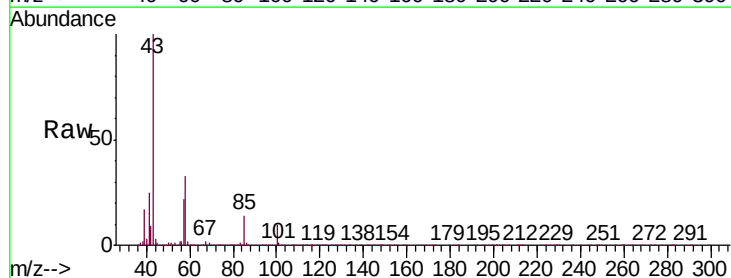
Tgt Ion: 75 Resp: 214375
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.3 41.5

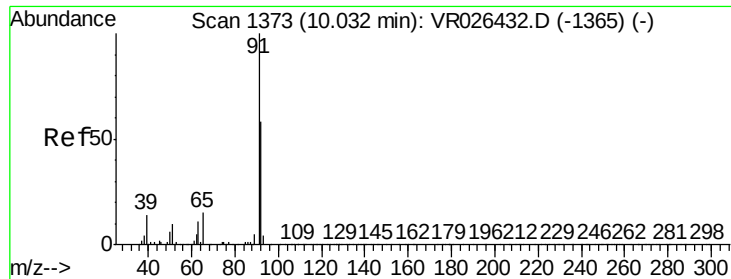


#40

4-Methyl-2-pentanone
 Concen: 56.003 ug/L
 RT: 9.86 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VR026438.D
 Acq: 3 Apr 2019 19:53

Tgt Ion: 43 Resp: 628648
 Ion Ratio Lower Upper
 43 100
 58 32.9 27.0 40.4
 100 10.1 8.9 13.3





#42

Toluene

Concen: 5.166 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. -0.00 min

Lab File: VR026438.D

Acq: 3 Apr 2019 19:53

Instrument :

MSVOA_R

ClientSampleId :

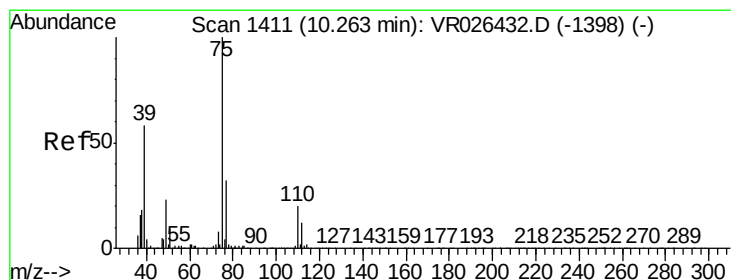
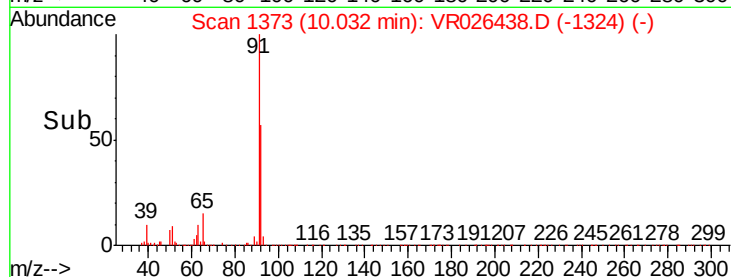
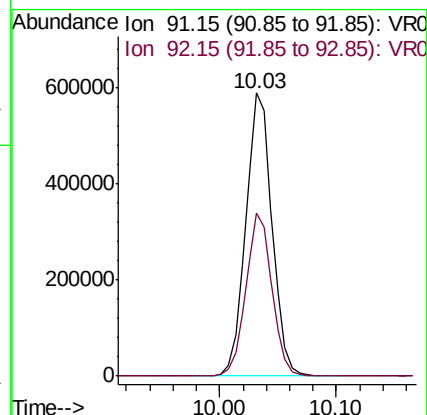
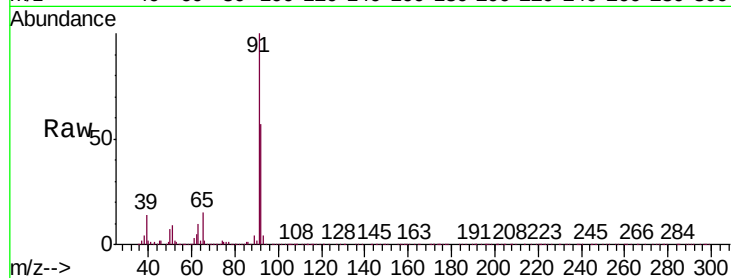
VICV89

Tgt Ion: 91 Resp: 925541

Ion Ratio Lower Upper

91 100

92 57.4 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 5.093 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR026438.D

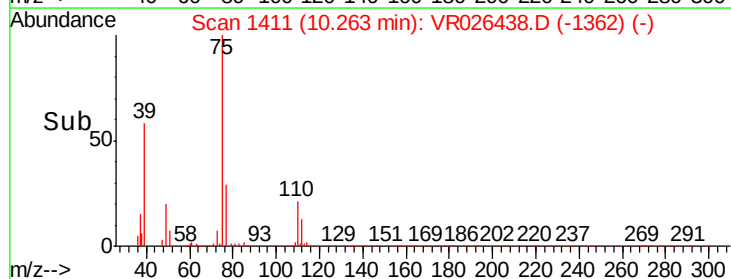
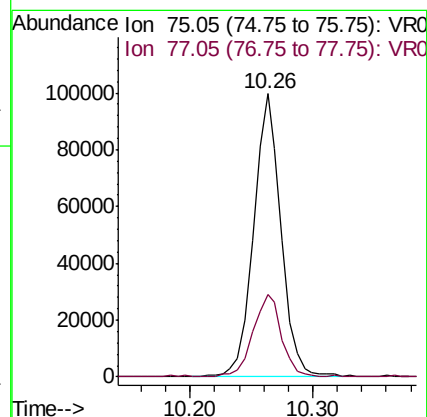
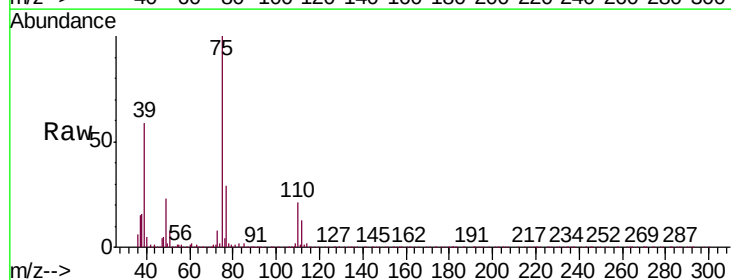
Acq: 3 Apr 2019 19:53

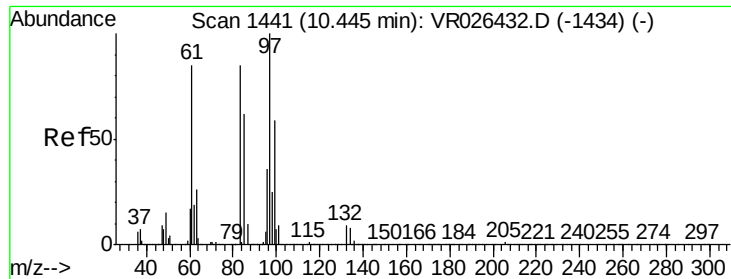
Tgt Ion: 75 Resp: 154488

Ion Ratio Lower Upper

75 100

77 29.1 22.7 42.1

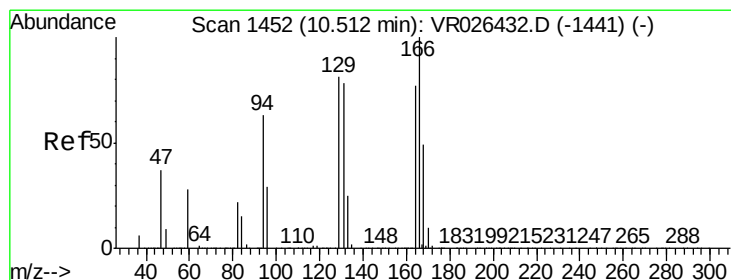
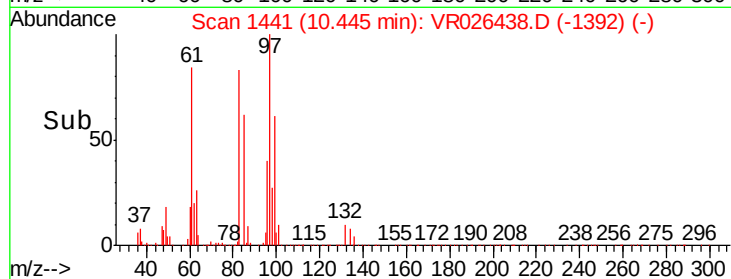
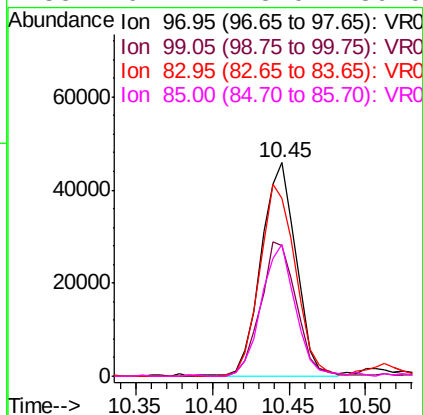
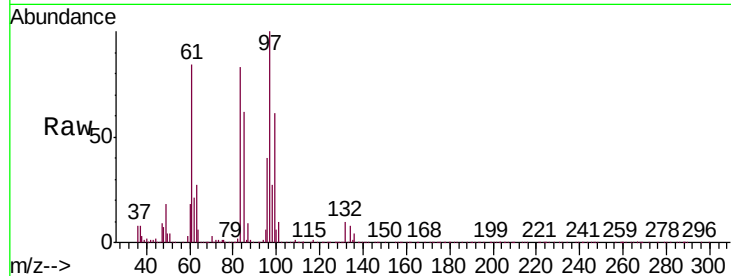




#45
1,1,2-Trichloroethane
Concen: 4.710 ug/L
RT: 10.45 min Scan# 1441
Delta R.T. -0.00 min
Lab File: VR026438.D
Acq: 3 Apr 2019 19:53

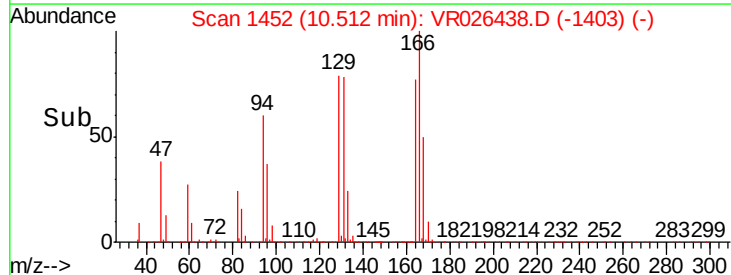
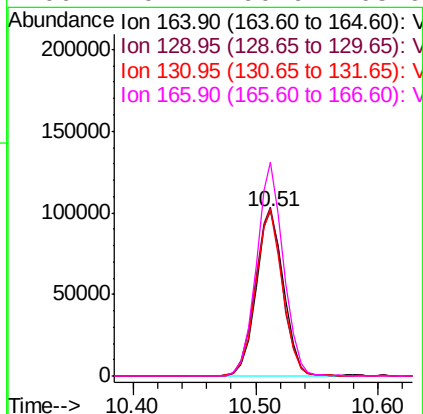
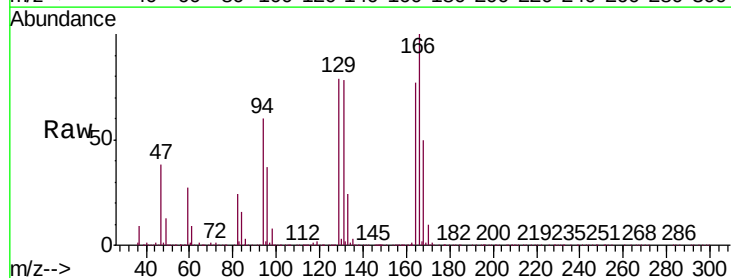
Instrument :
MSVOA_R
ClientSampleId :
VICV89

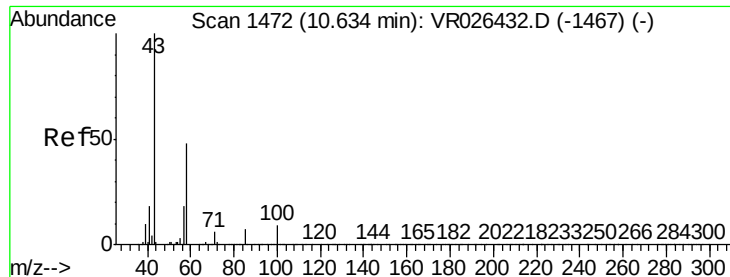
Tgt Ion:	97	Resp:	72994
Ion	Ratio	Lower	Upper
97	100		
99	60.9	41.7	77.5
83	83.1	59.5	110.5
85	61.7	43.0	80.0



#47
Tetrachloroethene
Concen: 4.722 ug/L
RT: 10.51 min Scan# 1452
Delta R.T. -0.00 min
Lab File: VR026438.D
Acq: 3 Apr 2019 19:53

Tgt Ion:	164	Resp:	157352
Ion	Ratio	Lower	Upper
164	100		
129	103.0	74.1	137.5
131	101.3	71.3	132.5
166	129.7	90.9	168.9

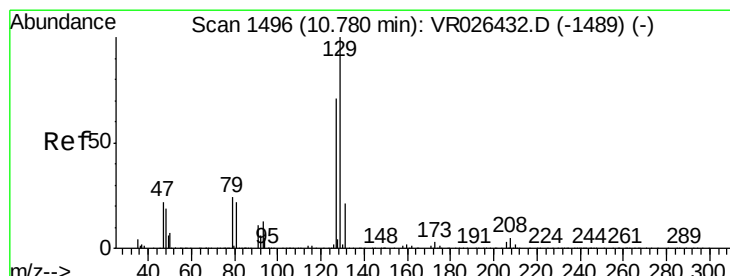
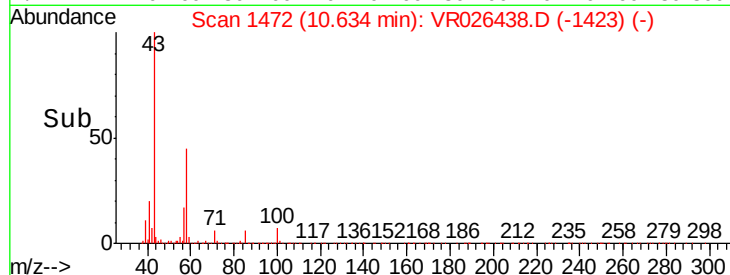
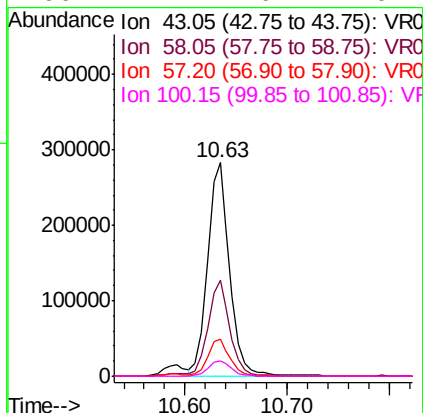
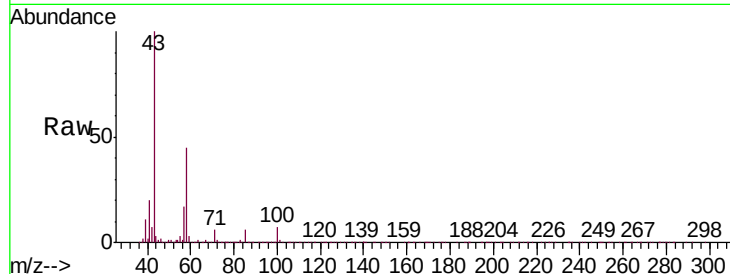




#48
2-Hexanone
Concen: 56.744 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR026438.D
Acq: 3 Apr 2019 19:53

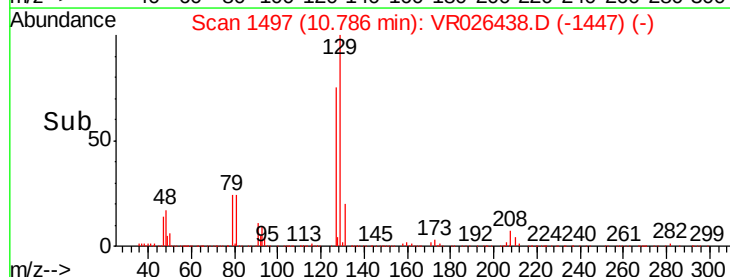
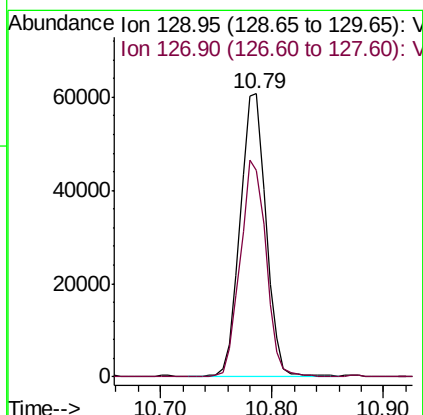
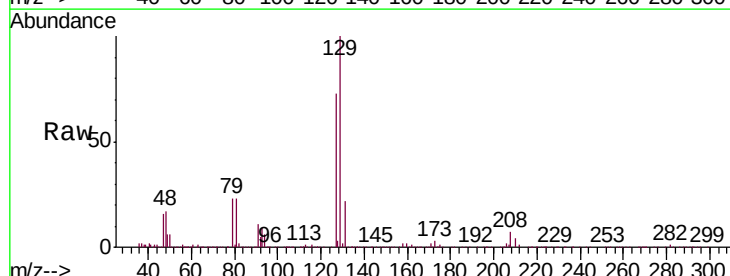
Instrument :
MSVOA_R
ClientSampleId :
VICV89

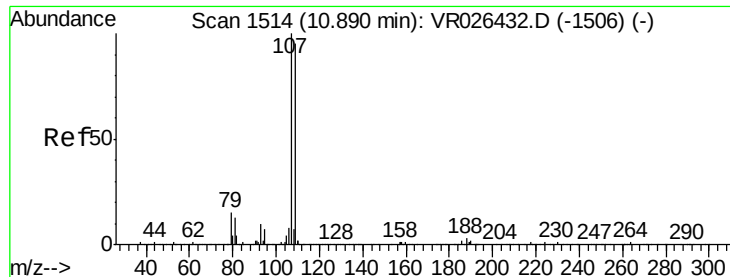
Tgt Ion:	43	Resp:	423678
Ion	Ratio	Lower	Upper
43	100		
58	46.0	38.2	57.2
57	17.2	13.8	20.6
100	7.7	6.2	9.2



#49
Dibromochloromethane
Concen: 4.819 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.01 min
Lab File: VR026438.D
Acq: 3 Apr 2019 19:53

Tgt Ion:	129	Resp:	97830
Ion	Ratio	Lower	Upper
129	100		
127	73.2	50.2	93.2





#50

1,2-Dibromoethane

Concen: 4.823 ug/L

RT: 10.88 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VR026438.D

Acq: 3 Apr 2019 19:53

Instrument :

MSVOA_R

ClientSampled :

VICV89

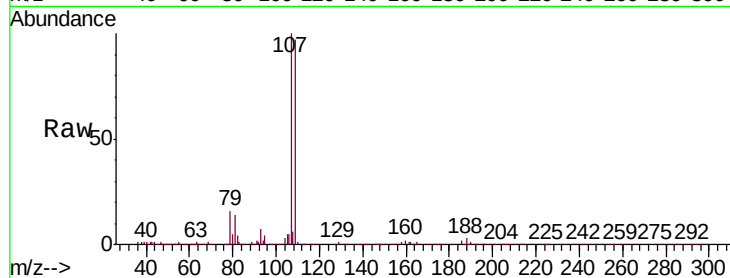
Tgt Ion:107 Resp: 64283

Ion Ratio Lower Upper

107 100

109 97.0 66.8 124.2

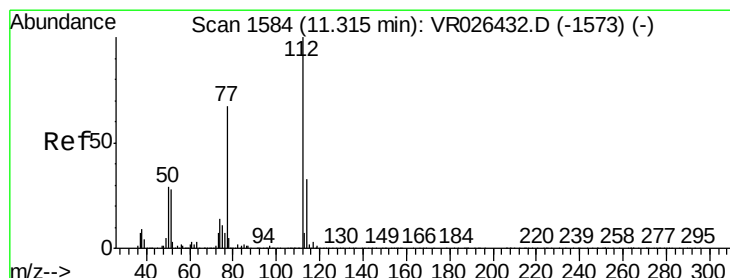
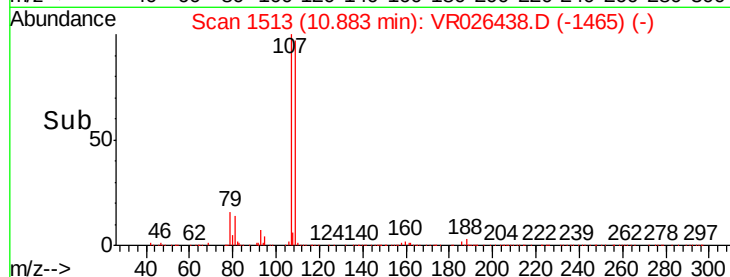
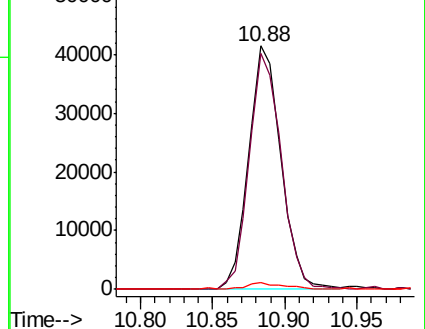
188 2.9 2.8 4.2



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: 4.842 ug/L

RT: 11.32 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VR026438.D

Acq: 3 Apr 2019 19:53

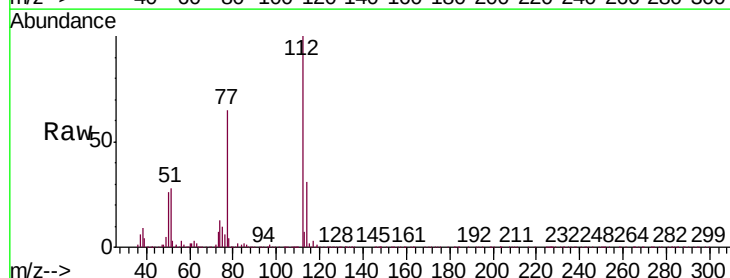
Tgt Ion:112 Resp: 486784

Ion Ratio Lower Upper

112 100

114 31.4 23.1 42.9

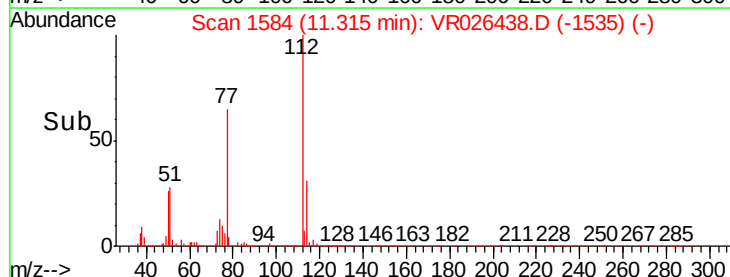
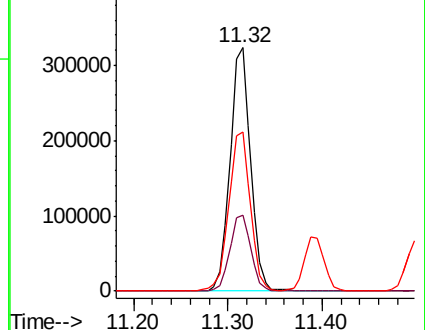
77 65.4 53.8 80.8

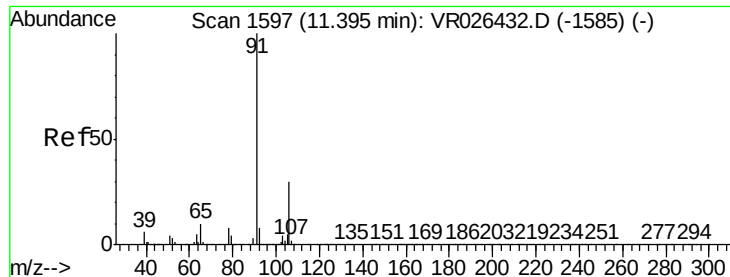


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VR0





#52

Ethylbenzene

Concen: 5.185 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR026438.D

Acq: 3 Apr 2019 19:53

Instrument :

MSVOA_R

ClientSampleId :

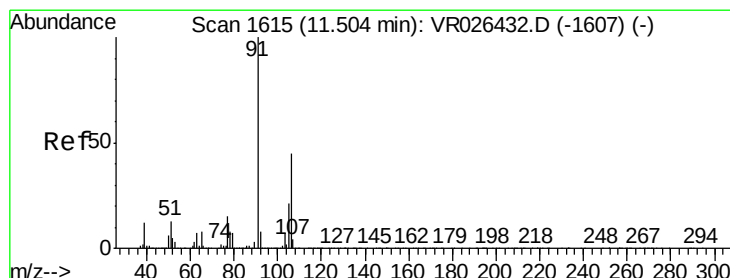
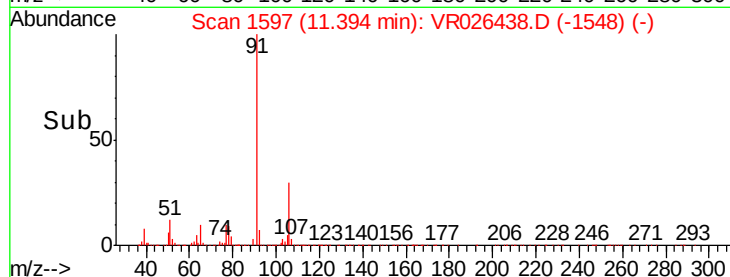
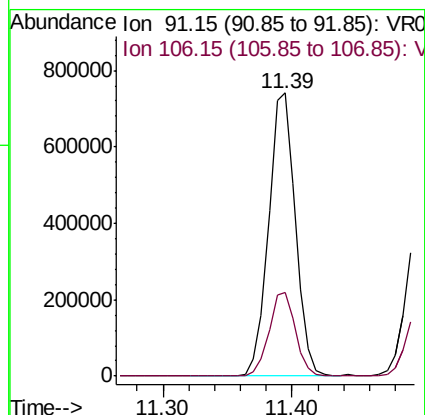
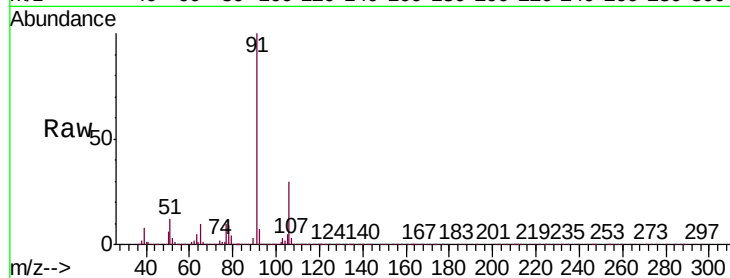
VICV89

Tgt Ion: 91 Resp: 1070132

Ion Ratio Lower Upper

91 100

106 29.5 20.7 38.5



#53

m,p-Xylene

Concen: 5.086 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR026438.D

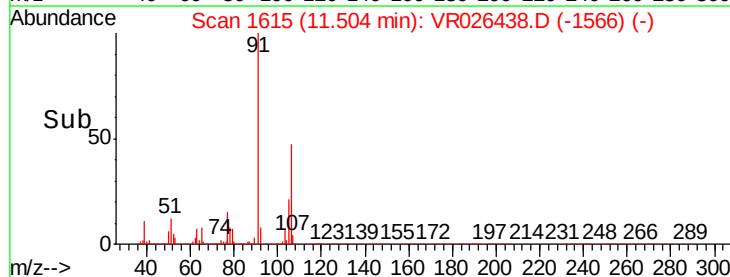
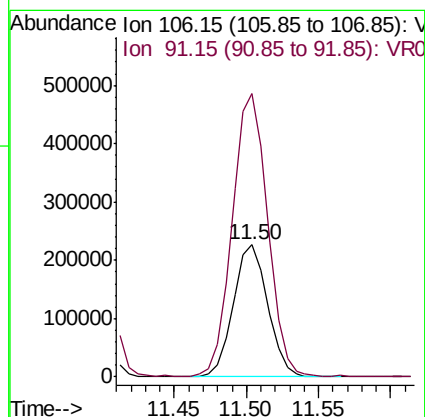
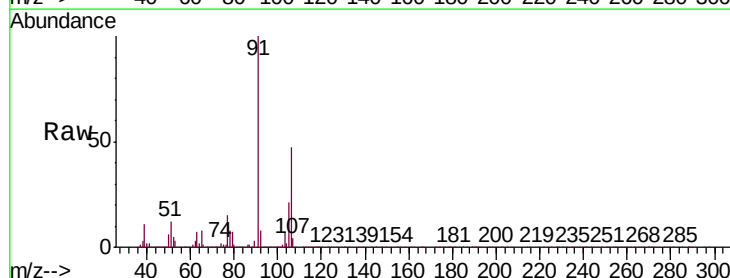
Acq: 3 Apr 2019 19:53

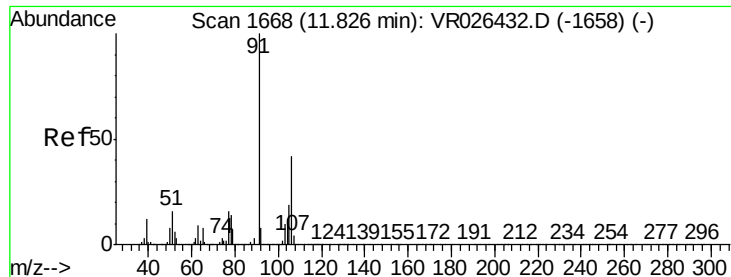
Tgt Ion: 106 Resp: 376196

Ion Ratio Lower Upper

106 100

91 214.6 155.6 289.0

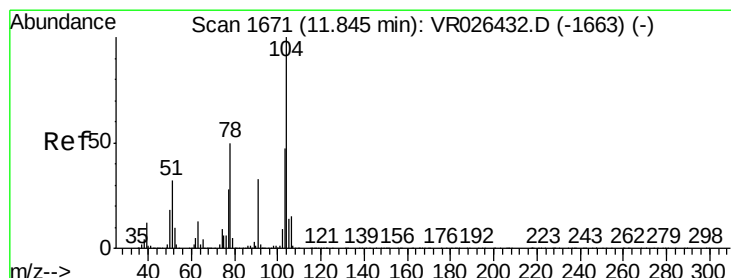
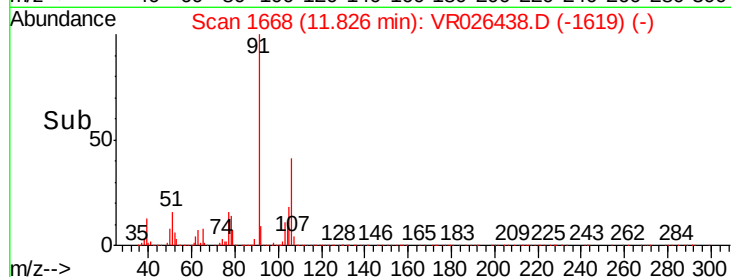
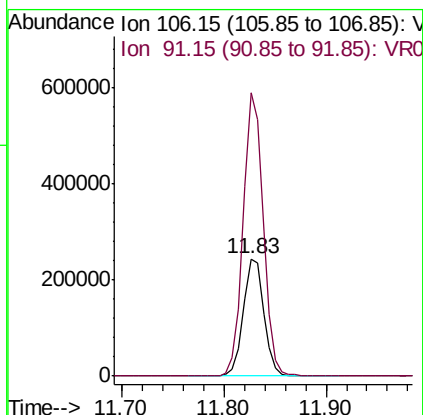
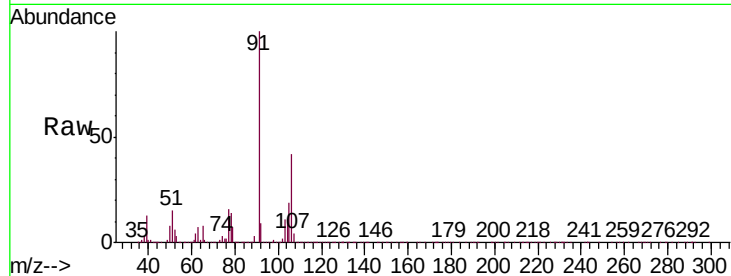




#54
o-Xylene
Concen: 5.244 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. -0.00 min
Lab File: VR026438.D
Acq: 3 Apr 2019 19:53

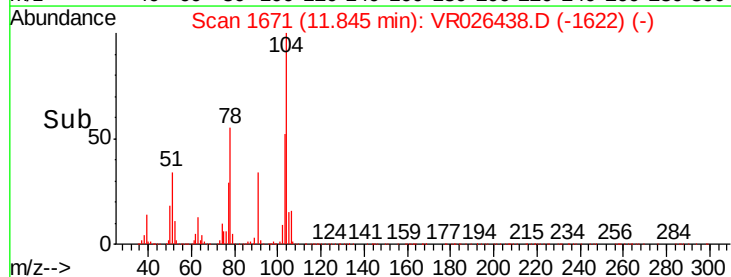
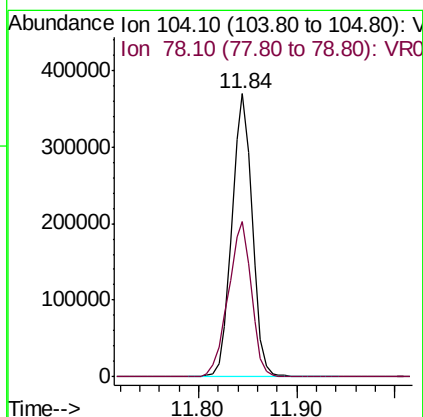
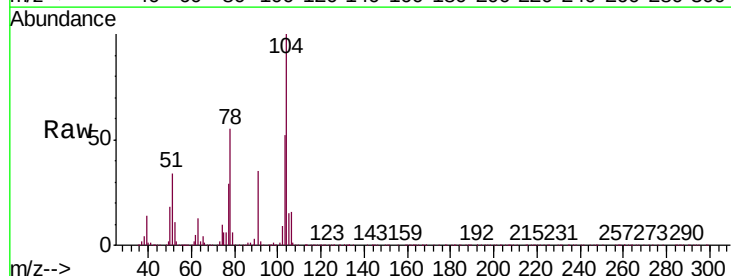
Instrument :
MSVOA_R
ClientSampled :
VICV89

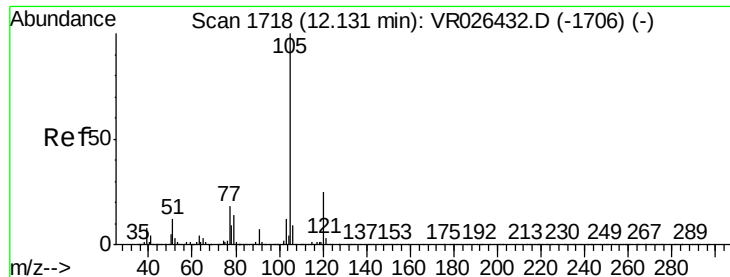
Tgt Ion:106 Resp: 340800
Ion Ratio Lower Upper
106 100
91 240.9 166.2 308.6



#55
Styrene
Concen: 5.198 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR026438.D
Acq: 3 Apr 2019 19:53

Tgt Ion:104 Resp: 533297
Ion Ratio Lower Upper
104 100
78 54.8 35.2 65.4





#56

Isopropylbenzene

Concen: 5.442 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR026438.D

Acq: 3 Apr 2019 19:53

Instrument :

MSVOA_R

ClientSampleId :

VICV89

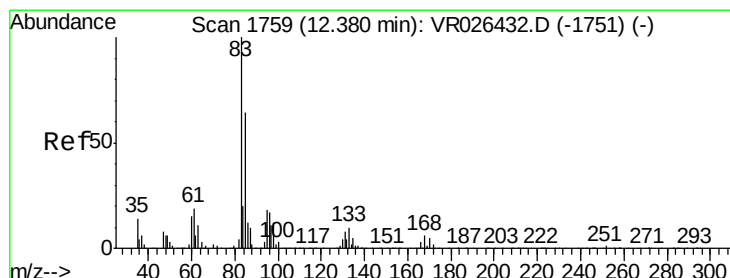
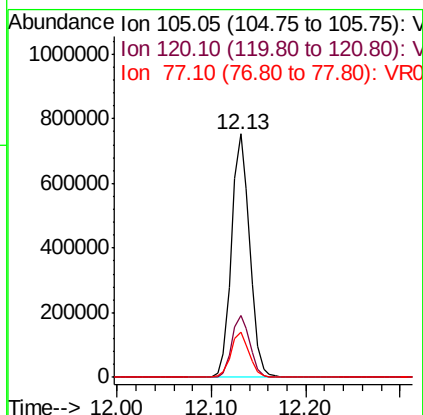
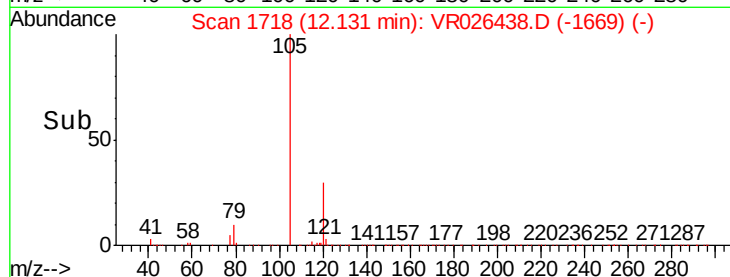
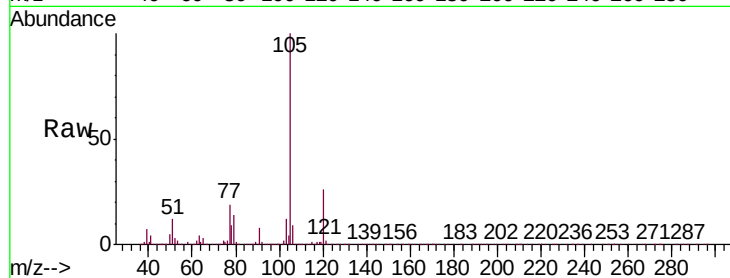
Tgt Ion: 105 Resp: 1003910

Ion Ratio Lower Upper

105 100

120 25.5 20.2 30.2

77 18.6 14.7 22.1



#58

1,1,2,2-Tetrachloroethane

Concen: 4.663 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.01 min

Lab File: VR026438.D

Acq: 3 Apr 2019 19:53

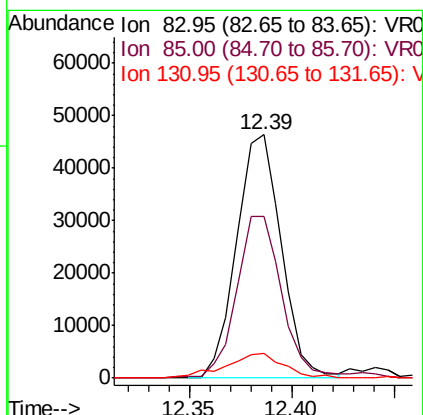
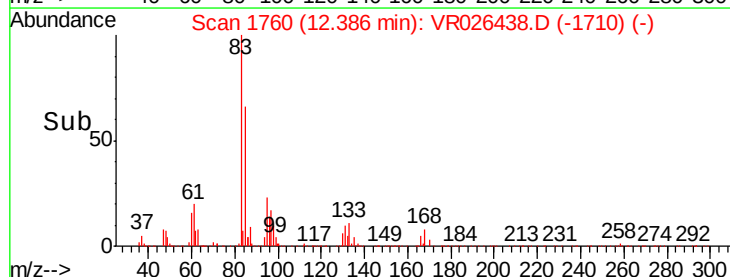
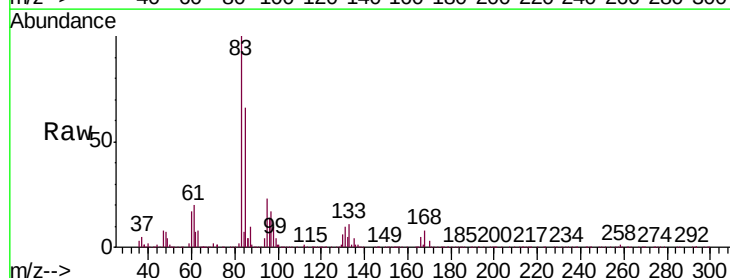
Tgt Ion: 83 Resp: 70167

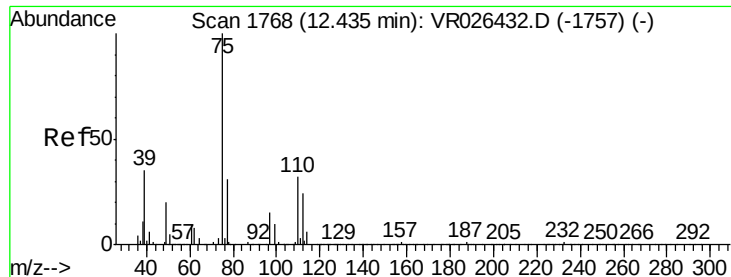
Ion Ratio Lower Upper

83 100

85 66.3 45.1 83.7

131 9.9 6.9 10.3





#59

1,2,3-Trichloropropane

Concen: 4.763 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VR026438.D

Acq: 3 Apr 2019 19:53

Instrument :

MSVOA_R

ClientSampled :

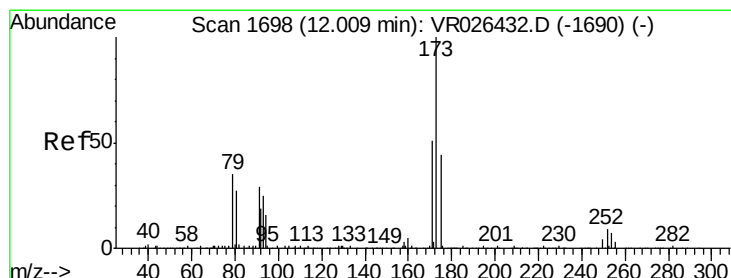
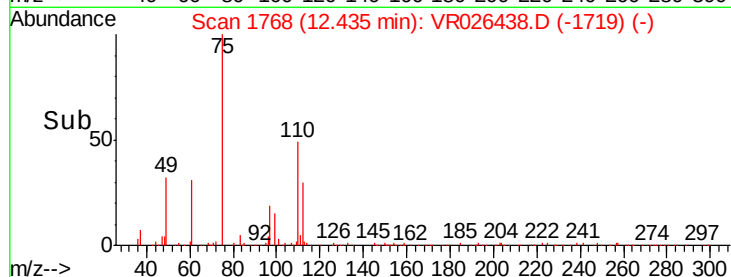
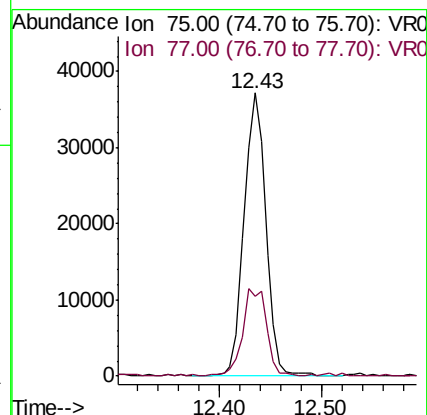
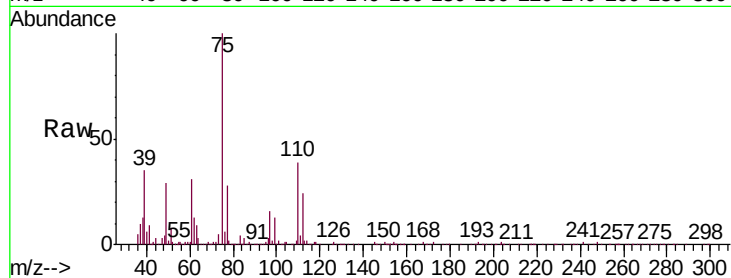
VICV89

Tgt Ion: 75 Resp: 54979

Ion Ratio Lower Upper

75 100

77 33.9 25.0 37.4



#61

Bromoform

Concen: 4.577 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VR026438.D

Acq: 3 Apr 2019 19:53

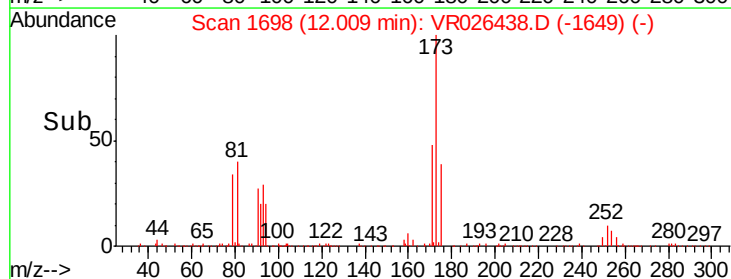
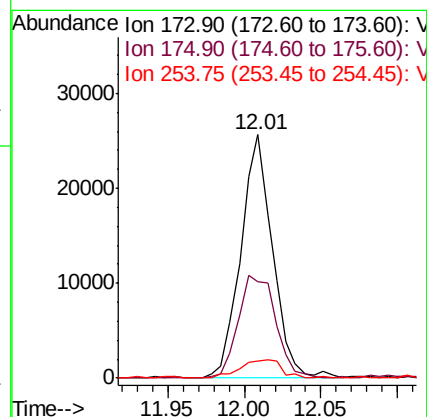
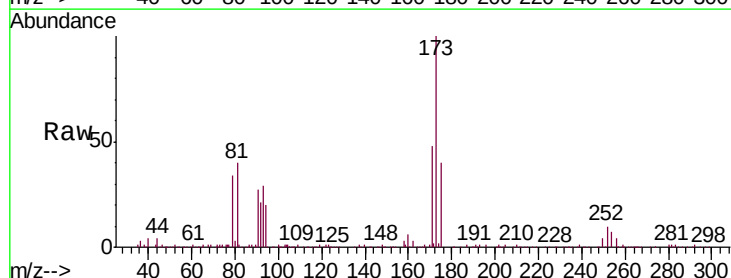
Tgt Ion: 173 Resp: 36825

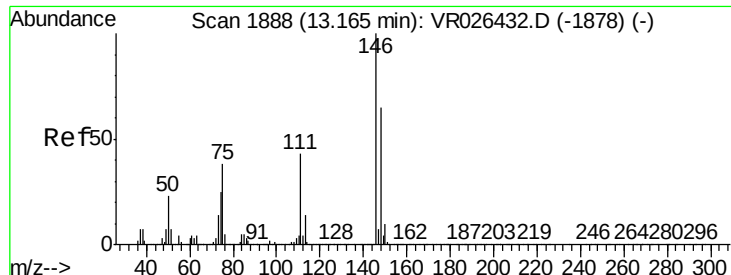
Ion Ratio Lower Upper

173 100

175 49.9 36.6 54.8

254 9.9 8.0 12.0





#62

1,3-Dichlorobenzene

Concen: 4.651 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. -0.01 min

Lab File: VR026438.D

Acq: 3 Apr 2019 19:53

Instrument :

MSVOA_R

ClientSampleId :

VICV89

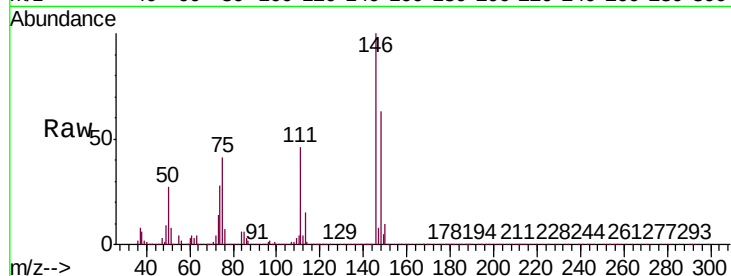
Tgt Ion:146 Resp: 268783

Ion Ratio Lower Upper

146 100

111 46.0 30.4 56.5

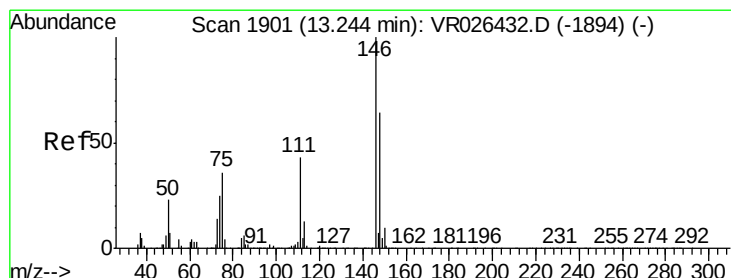
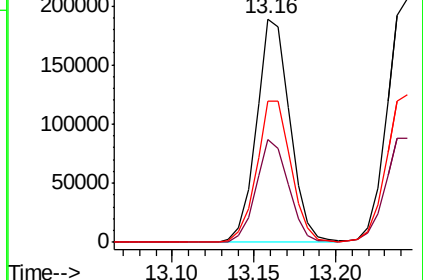
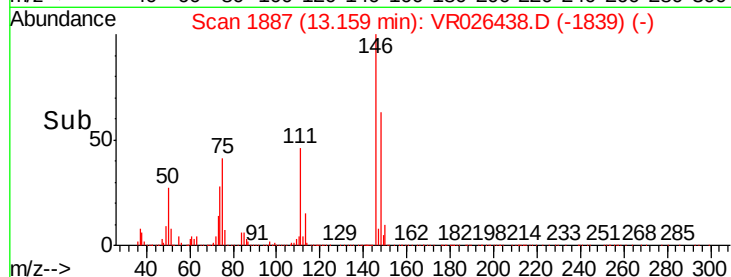
148 63.0 45.4 84.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.615 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VR026438.D

Acq: 3 Apr 2019 19:53

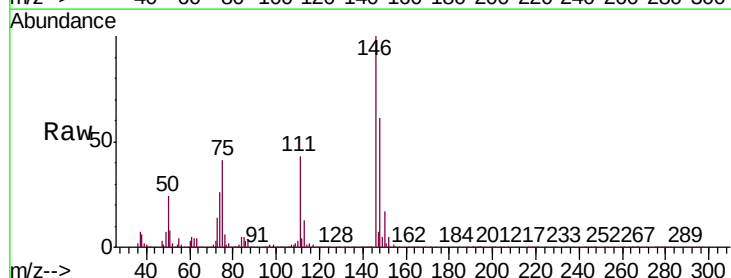
Tgt Ion:146 Resp: 299426

Ion Ratio Lower Upper

146 100

111 42.6 30.5 56.7

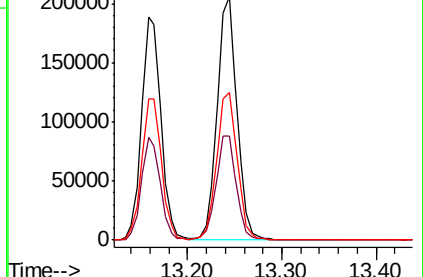
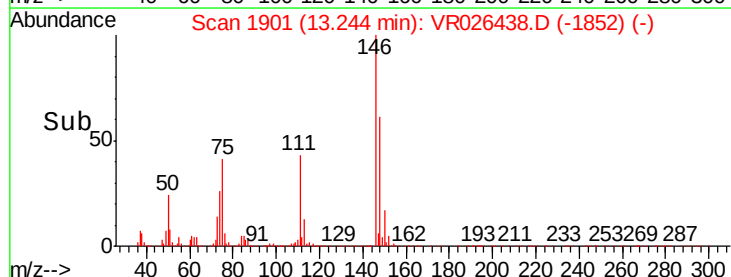
148 60.9 45.0 83.6

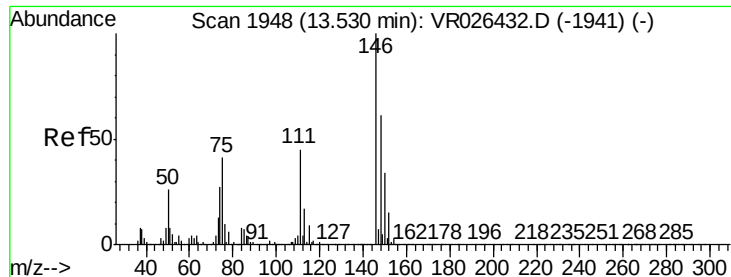


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

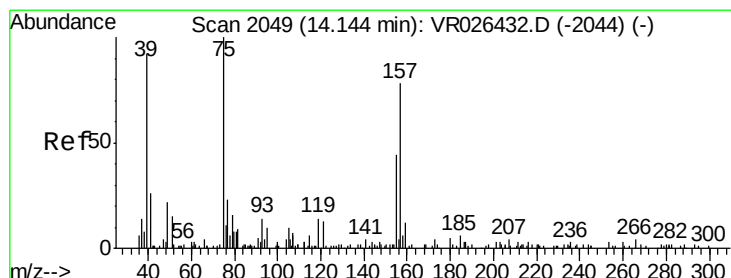
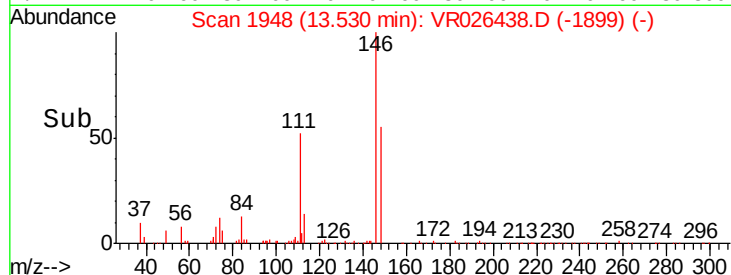
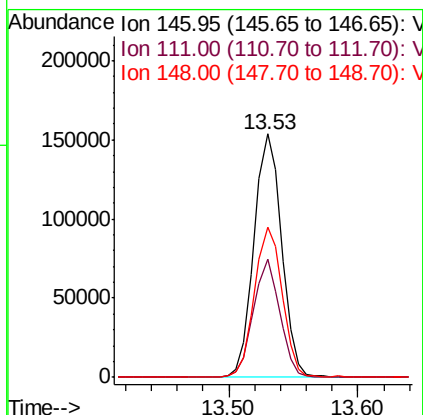
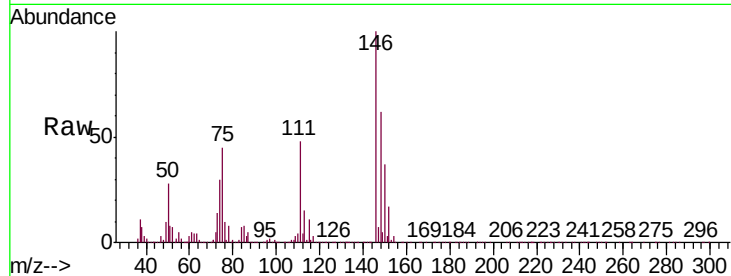




#65
 1,2-Dichlorobenzene
 Concen: 4.731 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. -0.00 min
 Lab File: VR026438.D
 Acq: 3 Apr 2019 19:53

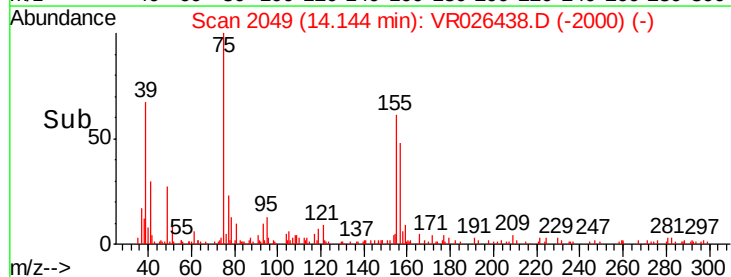
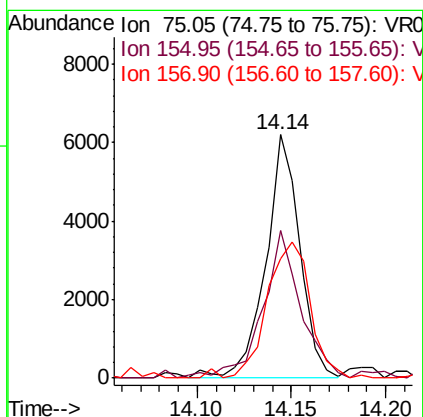
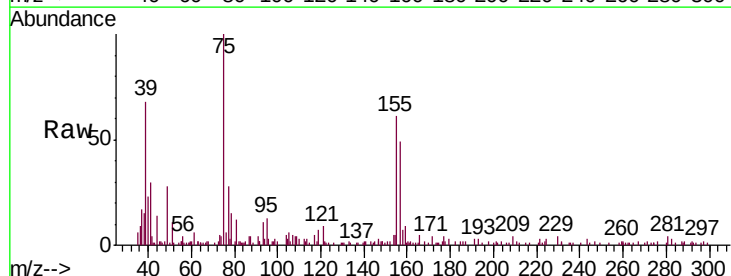
Instrument :
 MSVOA_R
 ClientSampled :
 VICV89

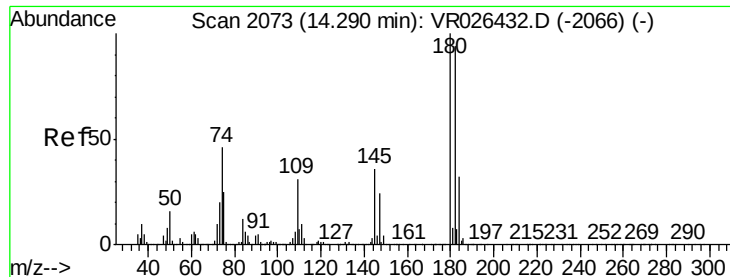
Tgt Ion: 146 Resp: 226774
 Ion Ratio Lower Upper
 146 100
 111 48.3 35.8 53.6
 148 61.8 48.9 73.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.218 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VR026438.D
 Acq: 3 Apr 2019 19:53

Tgt Ion: 75 Resp: 7771
 Ion Ratio Lower Upper
 75 100
 155 60.8 36.1 54.1#
 157 49.0 62.4 93.6#

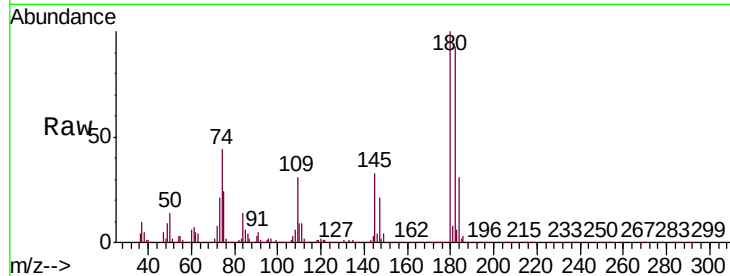




#67
 1,3,5-Trichlorobenzene
 Concen: 4.549 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR026438.D
 Acq: 3 Apr 2019 19:53

Instrument :
 MSVOA_R
 ClientSampleId :
 VICV89

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.5	75.8	113.6
184	30.4	25.0	37.4
145	32.8	28.0	42.0



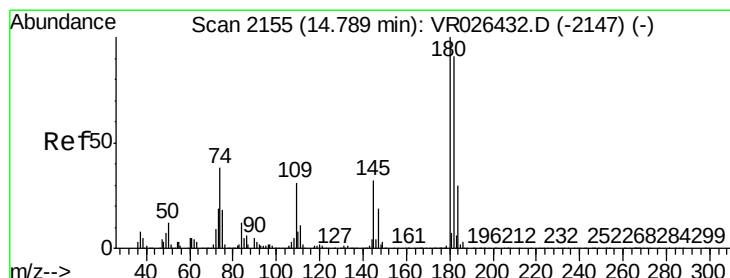
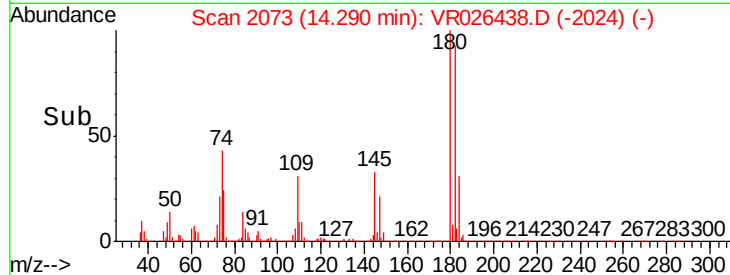
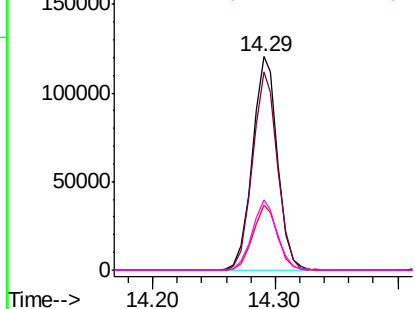
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

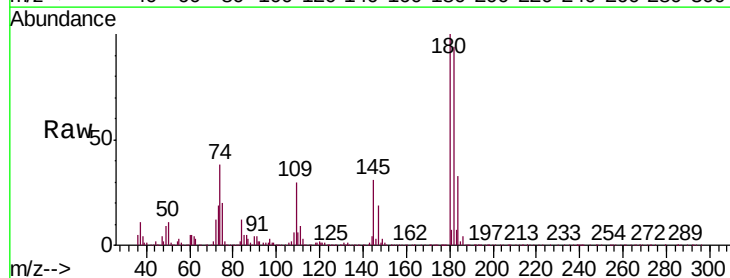
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.442 ug/L
 RT: 14.79 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VR026438.D
 Acq: 3 Apr 2019 19:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	73.0	109.6
145	31.7	26.7	40.1

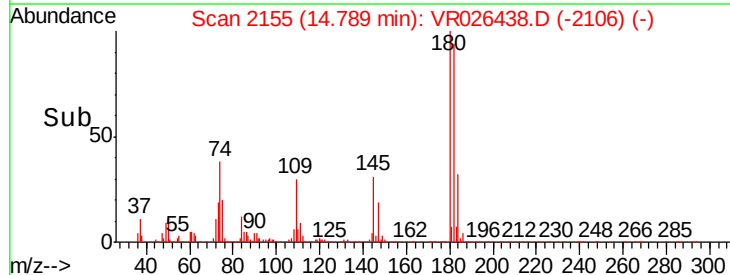
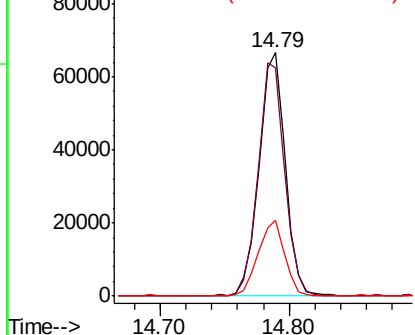


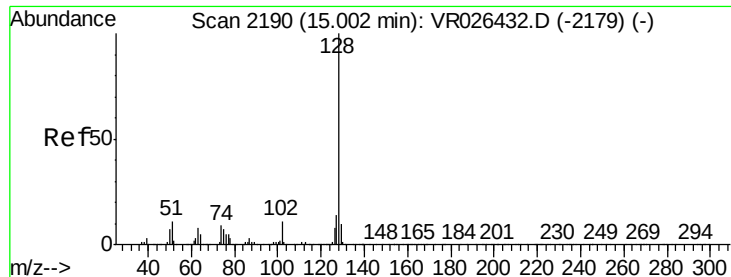
Abundance

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: 4.459 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR026438.D

Acq: 3 Apr 2019 19:53

Instrument :

MSVOA_R

ClientSampled :

VICV89

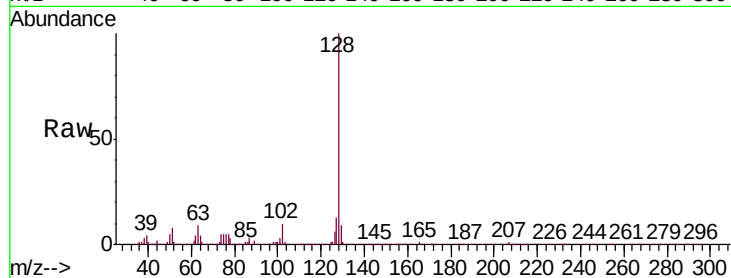
Tgt Ion:128 Resp: 87996

Ion Ratio Lower Upper

128 100

127 13.9 11.4 17.0

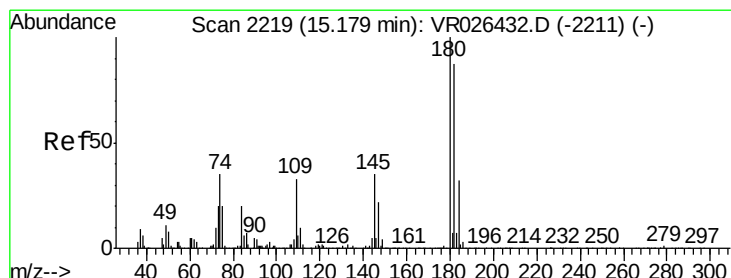
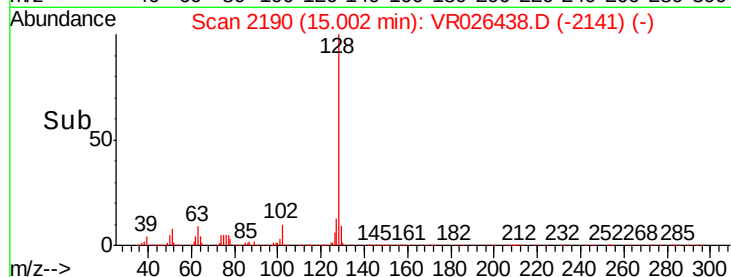
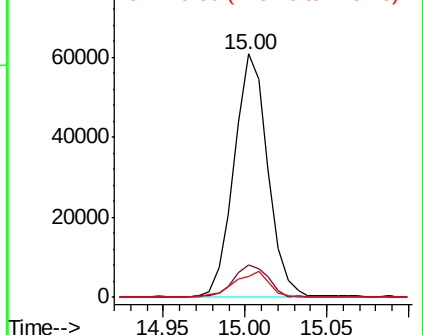
129 11.1 9.0 13.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.810 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VR026438.D

Acq: 3 Apr 2019 19:53

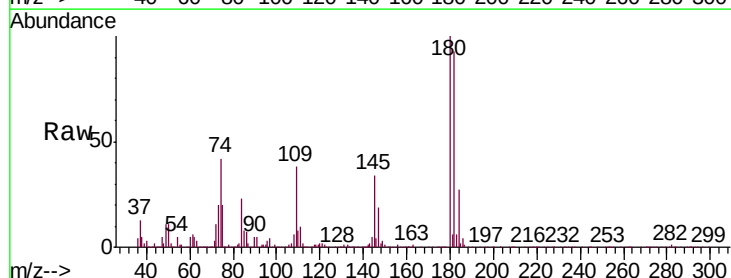
Tgt Ion:180 Resp: 69957

Ion Ratio Lower Upper

180 100

182 99.4 73.1 109.7

145 35.0 28.6 42.8



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

