

Data File : VR025778.D
Acq On : 20 Sep 2018 15:40
Operator : SY/MD
Sample : VSTDICV005
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VICV16

Quant Time: Sep 21 07:32:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092018WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 20 16:09:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	577831	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	446152	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	156911	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	124687	5.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.00%
7) Chloroethane-d5	2.62	69	106800	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.60%
11) 1,1-Dichloroethene-d2	3.63	63	316924	4.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.00%
20) 2-Butanone-d5	6.58	46	258316	58.31	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.62%
24) Chloroform-d	7.20	84	348987	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
26) 1,2-Dichloroethane-d4	7.90	65	153500	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
32) Benzene-d6	7.85	84	601977	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.00%
36) 1,2-Dichloropropane-d6	8.90	67	182706	5.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.00%
41) Toluene-d8	9.97	98	497301	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.60%
43) trans-1,3-Dichloropropene-	10.23	79	58793	4.81	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.20%
46) 2-Hexanone-d5	10.59	63	205004	53.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.02%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	80332	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.20%
64) 1,2-Dichlorobenzene-d4	13.52	152	110044	5.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	294935	4.489 ug/L	98
3) Chloromethane	2.01	50	299508	4.632 ug/L	90
5) Vinyl chloride	2.17	62	278771	4.523 ug/L	96
6) Bromomethane	2.52	94	155691	4.777 ug/L	96
8) Chloroethane	2.65	64	159826	4.709 ug/L	97
9) Trichlorofluoromethane	2.93	101	129166	1.813 ug/L #	34
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	178929	4.149 ug/L	100
12) 1,1-Dichloroethene	3.63	96	212497	4.558 ug/L	92
13) Acetone	3.70	43	162134	68.887 ug/L	95
14) Carbon disulfide	3.93	76	681152	4.431 ug/L	100
15) Methyl Acetate	4.19	43	54957	5.367 ug/L	92
16) Methylene chloride	4.40	84	183024	4.626 ug/L	97
17) Methyl tert-butyl Ether	4.89	73	421383	4.653 ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	264573	4.594 ug/L	97
19) 1,1-Dichloroethane	5.69	63	543246	4.660 ug/L	99
21) 2-Butanone	6.69	43	346672	54.408 ug/L	98
22) cis-1,2-Dichloroethene	6.67	96	267443	4.662 ug/L	100

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Response via : Initial Calibration

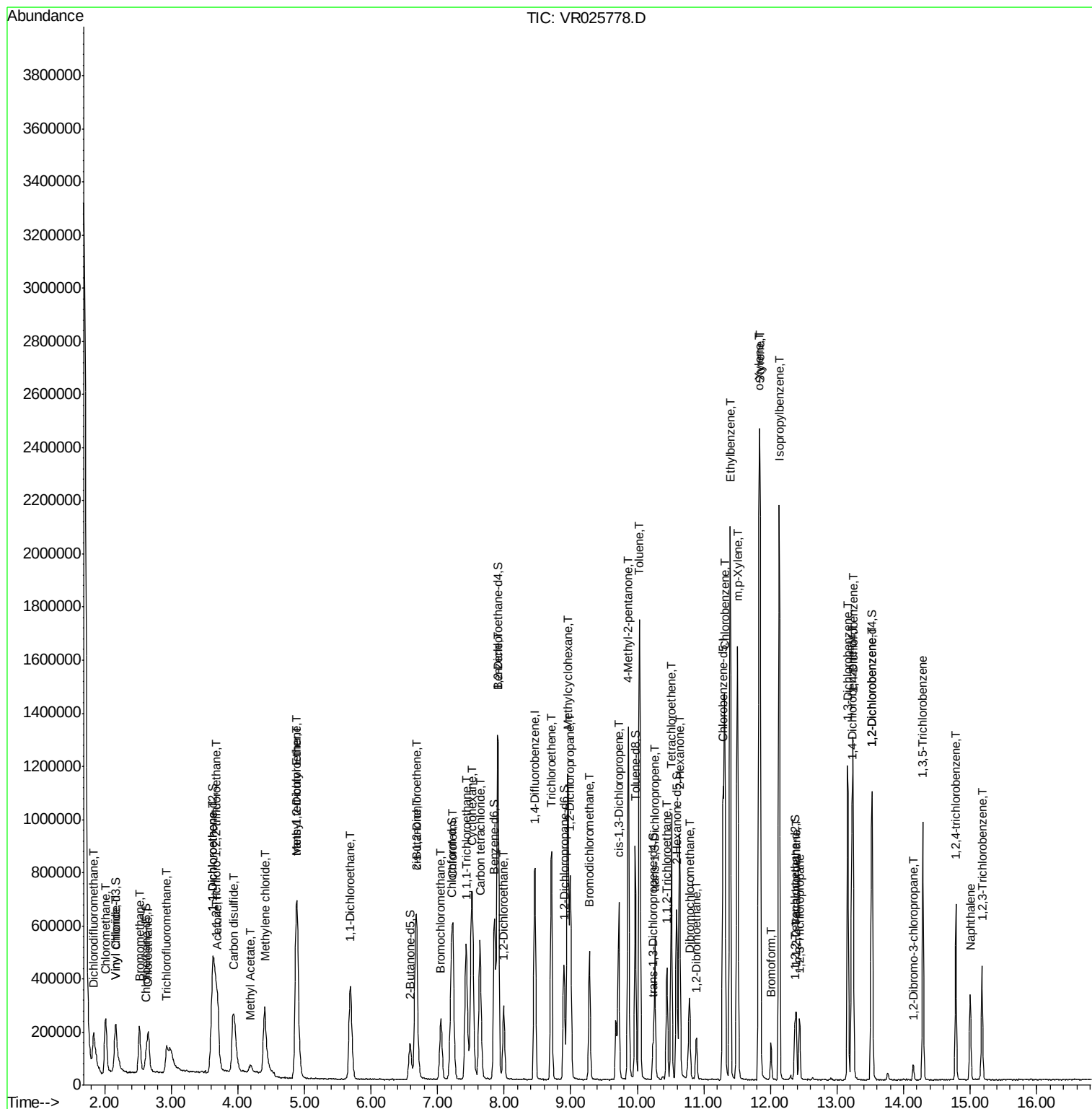
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	71971	4.612	ug/L	97
25) Chloroform	7.23	83	501477	4.653	ug/L	99
27) 1,2-Dichloroethane	7.99	62	257985	4.774	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	471337	4.815	ug/L	100
30) Cyclohexane	7.51	56	475865	4.381	ug/L	99
31) Carbon tetrachloride	7.64	117	399812	4.725	ug/L	98
33) Benzene	7.91	78	1122488	4.986	ug/L	100
34) Trichloroethene	8.71	95	298214	4.791	ug/L	99
35) Methylcyclohexane	8.95	83	440391	4.310	ug/L	98
37) 1,2-Dichloropropane	8.99	63	249394	5.083	ug/L	99
38) Bromodichloromethane	9.28	83	305420	5.000	ug/L	100
39) cis-1,3-Dichloropropene	9.72	75	341258	5.031	ug/L	100
40) 4-Methyl-2-pentanone	9.86	43	874633	50.426	ug/L	99
42) Toluene	10.04	91	1136489	4.977	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	246902	4.949	ug/L	99
45) 1,1,2-Trichloroethane	10.45	97	106883	5.017	ug/L	94
47) Tetrachloroethene	10.51	164	169428	4.594	ug/L	96
48) 2-Hexanone	10.63	43	569415	49.320	ug/L	98
49) Dibromochloromethane	10.79	129	132694	4.989	ug/L	96
50) 1,2-Dibromoethane	10.89	107	94480	4.867	ug/L #	94
51) Chlorobenzene	11.32	112	591194	4.736	ug/L	97
52) Ethylbenzene	11.39	91	1294560	4.845	ug/L	98
53) m,p-Xylene	11.50	106	457496	4.634	ug/L	99
54) o-Xylene	11.83	106	427268	4.691	ug/L	93
55) Styrene	11.84	104	657395	4.661	ug/L	98
56) Isopropylbenzene	12.13	105	1167019	4.623	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.39	83	104531	4.707	ug/L	99
59) 1,2,3-Trichloropropane	12.43	75	84695	4.780	ug/L	98
61) Bromoform	12.01	173	49900	5.108	ug/L	96
62) 1,3-Dichlorobenzene	13.16	146	359186	4.908	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	338469	4.913	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	275633	5.055	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.14	75	15056	4.756	ug/L	96
67) 1,3,5-Trichlorobenzene	14.29	180	204418	4.909	ug/L	99
68) 1,2,4-trichlorobenzene	14.78	180	136461	5.003	ug/L	98
69) Naphthalene	15.00	128	209938	5.144	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	94573	4.843	ug/L	99

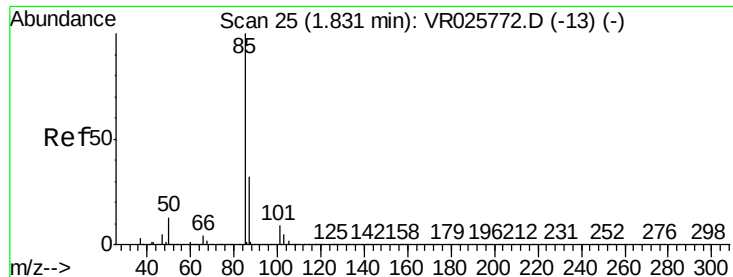
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.489 ug/L

RT: 1.83 min Scan# 25

Delta R.T. -0.00 min

Lab File: VR025778.D

Acq: 20 Sep 2018 15:40

Instrument :

MSVOA_R

ClientSampleId :

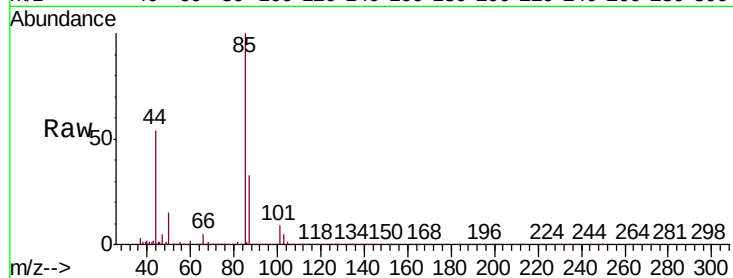
VICV16

Tgt Ion: 85 Resp: 294935

Ion Ratio Lower Upper

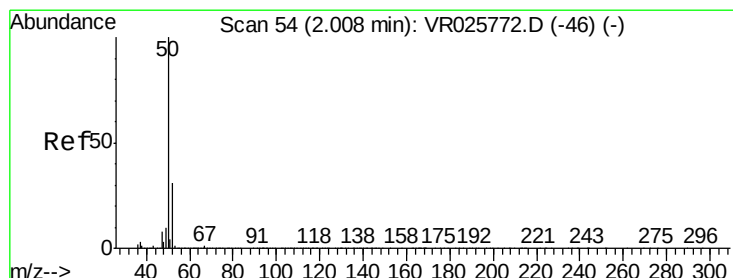
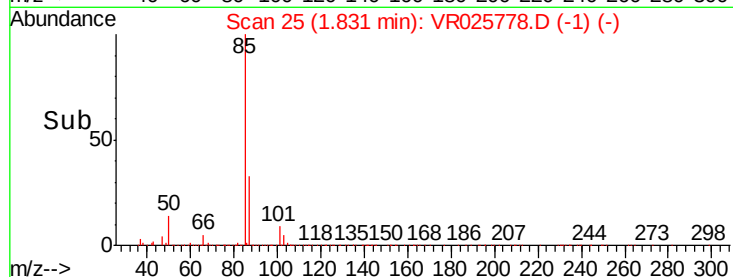
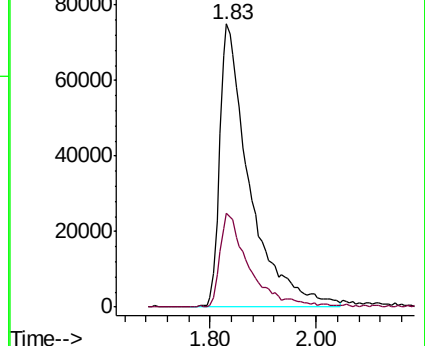
85 100

87 32.0 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 4.632 ug/L

RT: 2.01 min Scan# 55

Delta R.T. 0.01 min

Lab File: VR025778.D

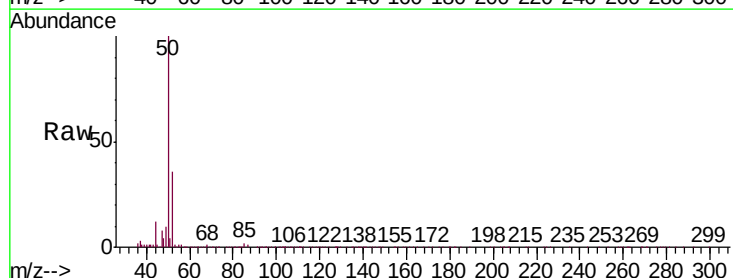
Acq: 20 Sep 2018 15:40

Tgt Ion: 50 Resp: 299508

Ion Ratio Lower Upper

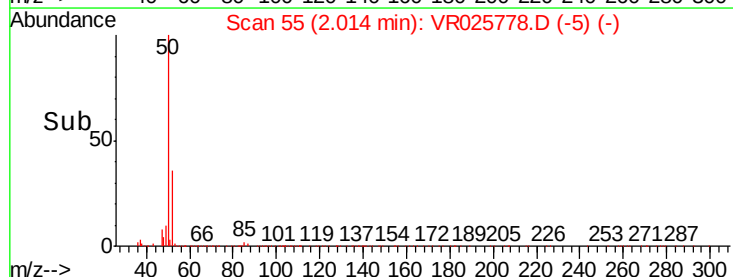
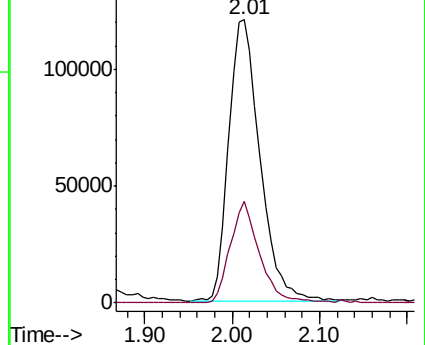
50 100

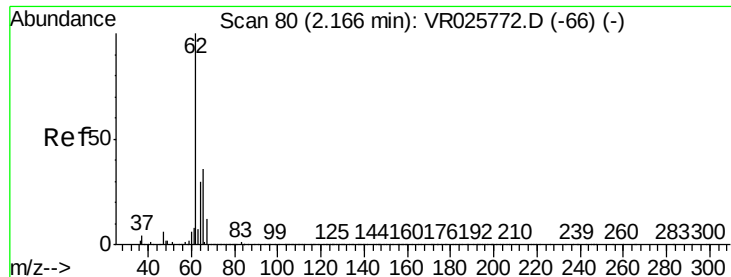
52 35.8 21.3 39.6



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 4.523 ug/L

RT: 2.17 min Scan# 80

Delta R.T. -0.00 min

Lab File: VR025778.D

Acq: 20 Sep 2018 15:40

Instrument :

MSVOA_R

ClientSampleId :

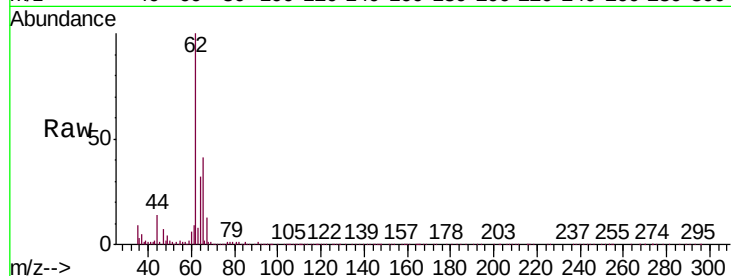
VICV16

Tgt Ion: 62 Resp: 278771

Ion Ratio Lower Upper

62 100

64 32.2 20.9 38.9



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0

2.17

80000

60000

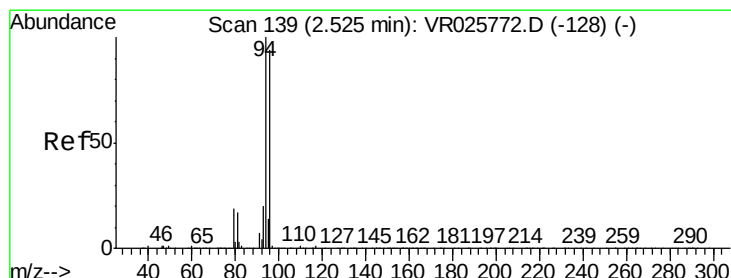
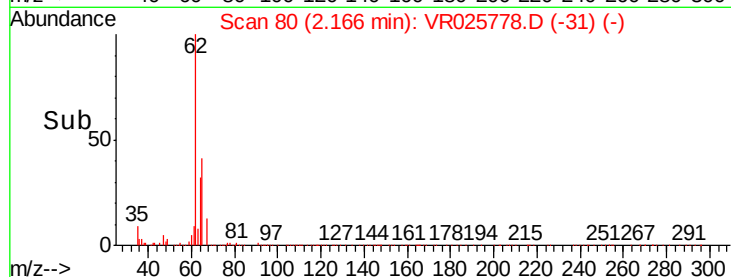
40000

20000

0

Time-->

2.00 2.10 2.20 2.30 2.40



#6

Bromomethane

Concen: 4.777 ug/L

RT: 2.52 min Scan# 138

Delta R.T. -0.01 min

Lab File: VR025778.D

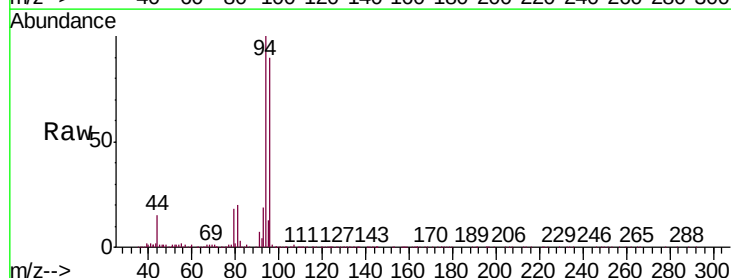
Acq: 20 Sep 2018 15:40

Tgt Ion: 94 Resp: 155691

Ion Ratio Lower Upper

94 100

96 90.3 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0

2.52

60000

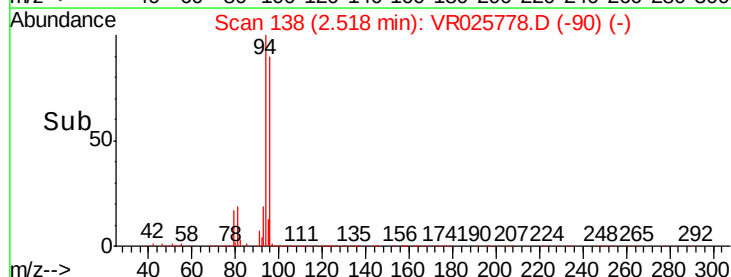
40000

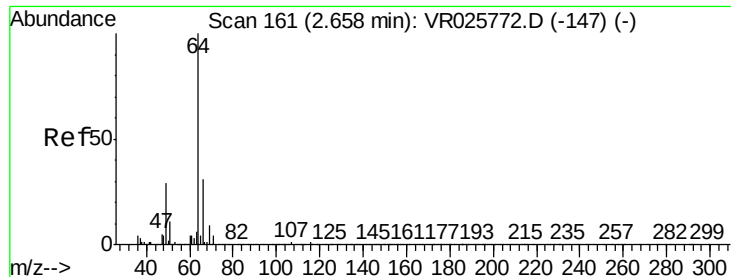
20000

0

Time-->

2.40 2.50 2.60 2.70

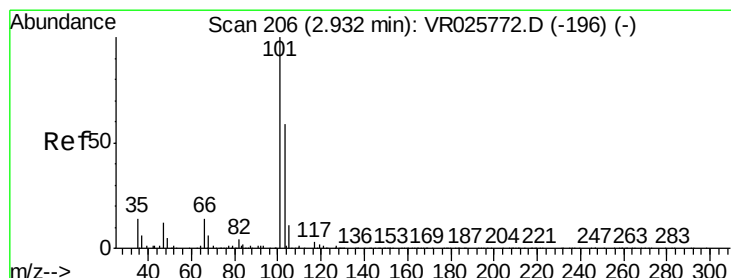
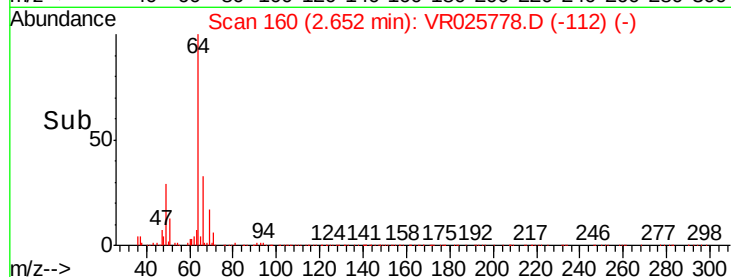
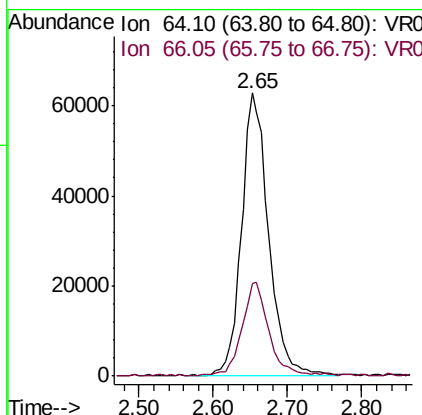
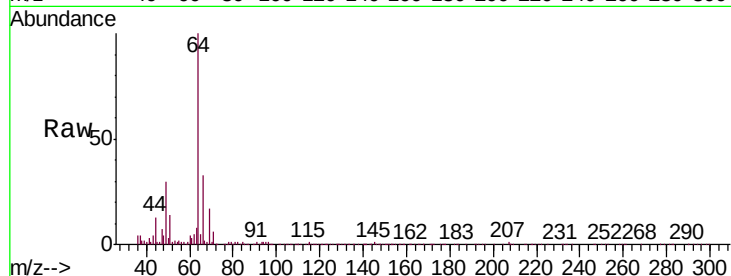




#8
Chloroethane
Concen: 4.709 ug/L
RT: 2.65 min Scan# 160
Delta R.T. -0.01 min
Lab File: VR025778.D
Acq: 20 Sep 2018 15:40

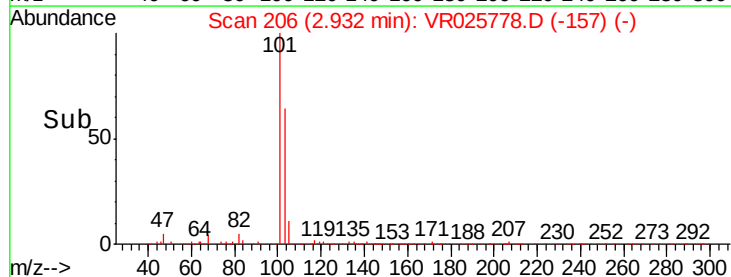
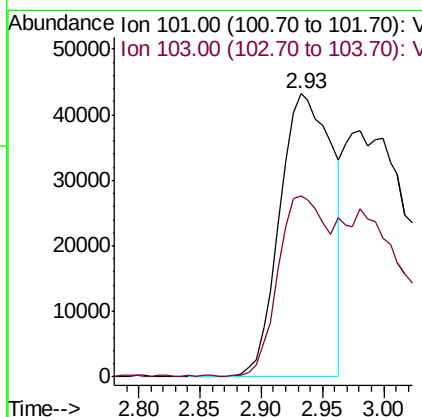
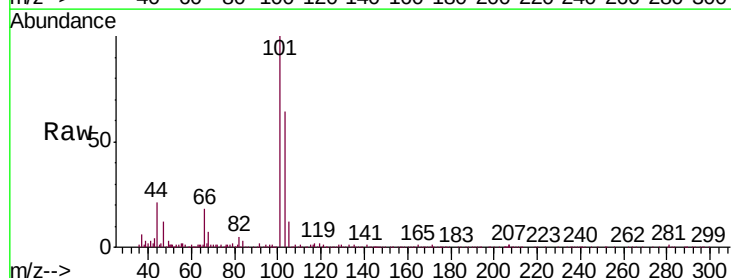
Instrument :
MSVOA_R
ClientSampled :
VICV16

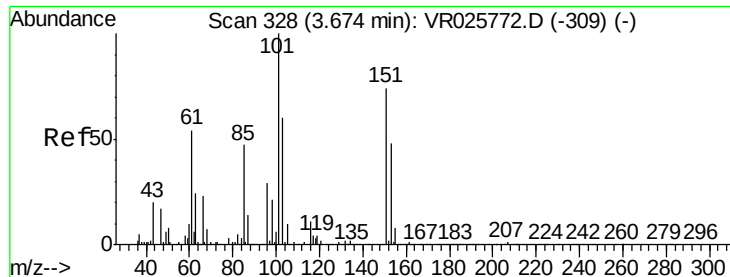
Tgt Ion: 64 Resp: 159826
Ion Ratio Lower Upper
64 100
66 32.8 21.9 40.7



#9
Trichlorofluoromethane
Concen: 1.813 ug/L
RT: 2.93 min Scan# 206
Delta R.T. -0.00 min
Lab File: VR025778.D
Acq: 20 Sep 2018 15:40

Tgt Ion: 101 Resp: 129166
Ion Ratio Lower Upper
101 100
103 58.4 20.2 30.2#





#10

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

Concen: 4.149 ug/L

RT: 3.68 min Scan# 329

Delta R.T. 0.01 min

Lab File: VR025778.D

Acq: 20 Sep 2018 15:40

Instrument :

MSVOA_R

ClientSampleId :

VICV16

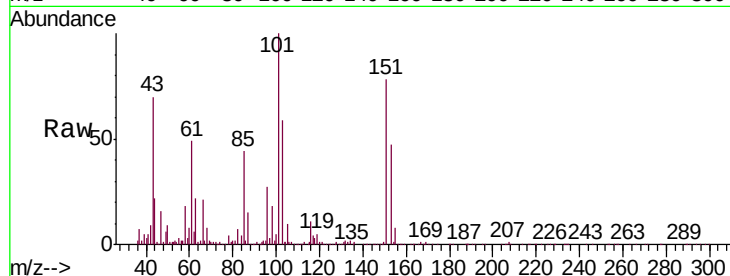
Tgt Ion: 101 Resp: 178929

Ion Ratio Lower Upper

101 100

85 47.5 37.6 56.4

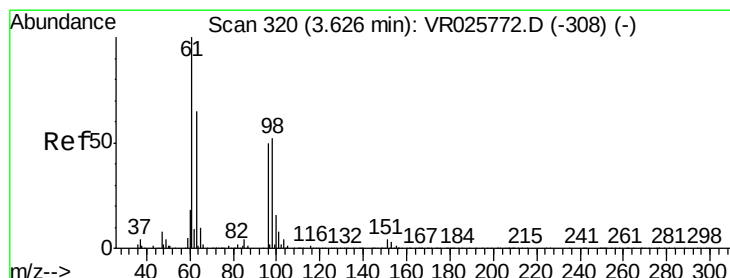
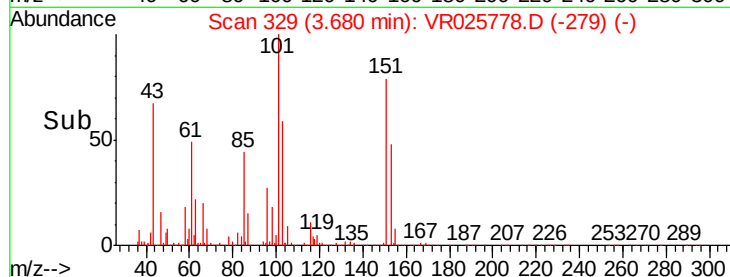
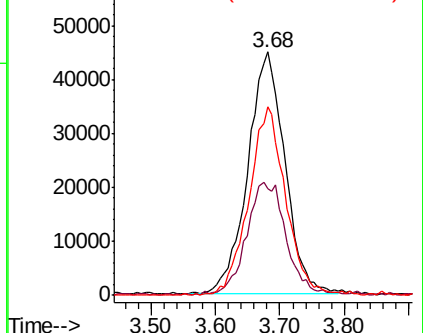
151 76.1 60.9 91.3



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: 4.558 ug/L

RT: 3.63 min Scan# 320

Delta R.T. -0.00 min

Lab File: VR025778.D

Acq: 20 Sep 2018 15:40

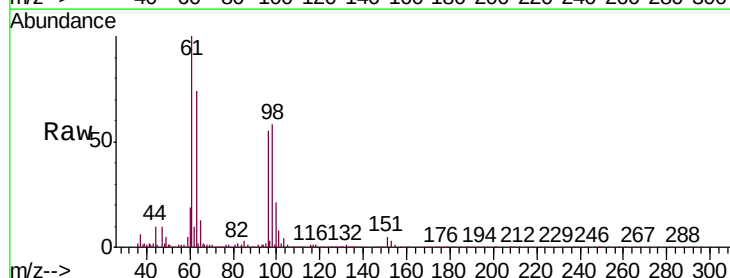
Tgt Ion: 96 Resp: 212497

Ion Ratio Lower Upper

96 100

61 183.1 138.7 257.7

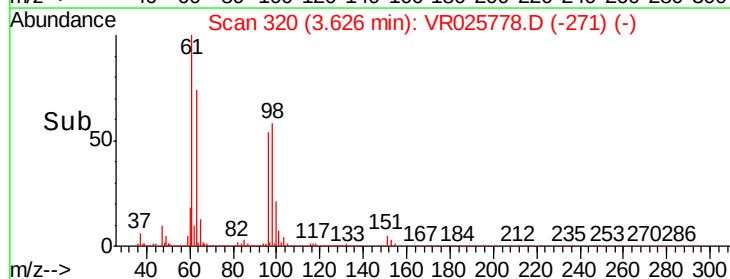
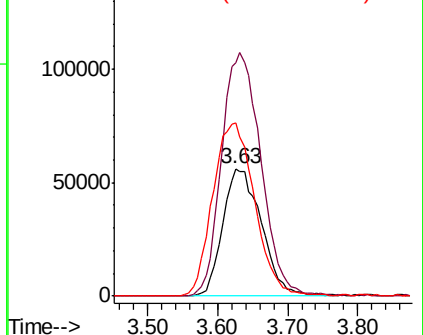
63 136.3 90.9 168.7

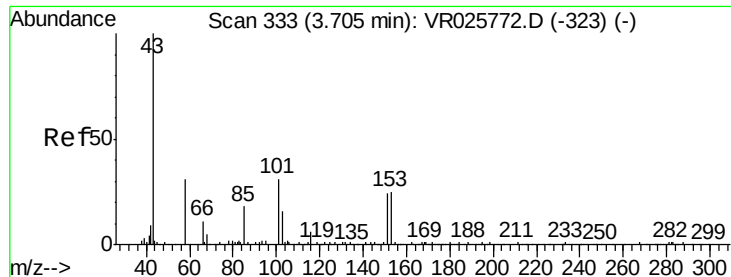


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 68.887 ug/L

RT: 3.70 min Scan# 332

Delta R.T. -0.01 min

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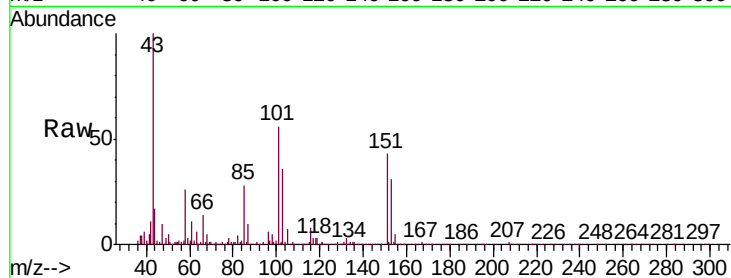
VICV16

Tgt Ion: 43 Resp: 162134

Ion Ratio Lower Upper

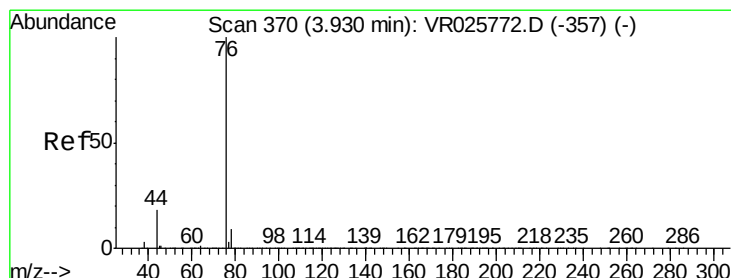
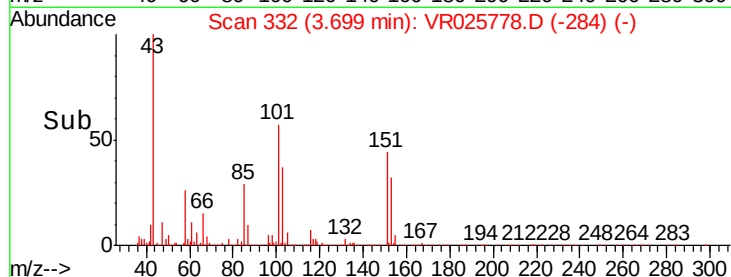
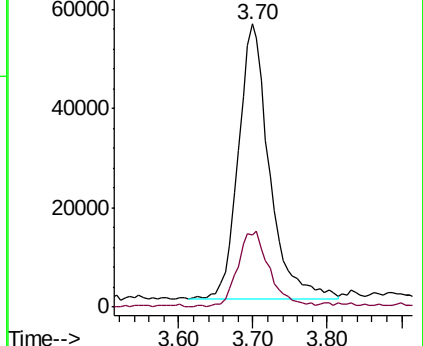
43 100

58 28.8 0.0 63.0



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#14

Carbon disulfide

Concen: 4.431 ug/L

RT: 3.93 min Scan# 370

Delta R.T. -0.00 min

Lab File: VR025778.D

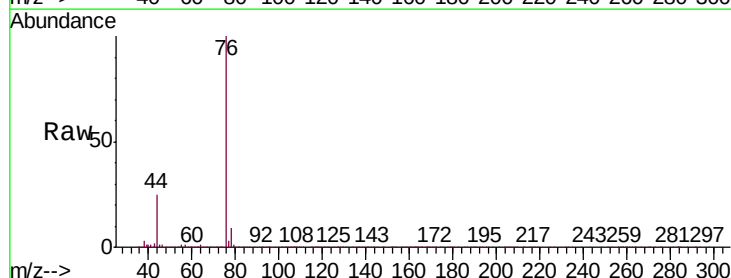
Acq: 20 Sep 2018 15:40

Tgt Ion: 76 Resp: 681152

Ion Ratio Lower Upper

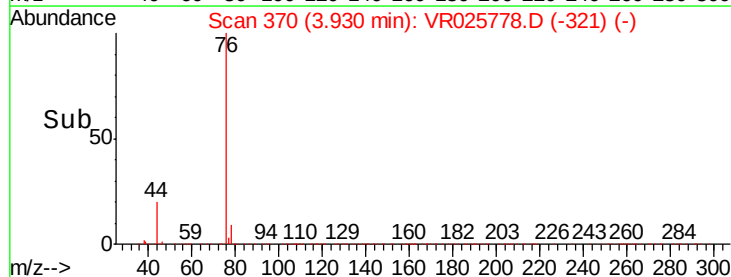
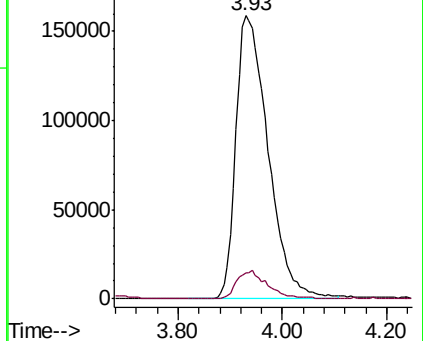
76 100

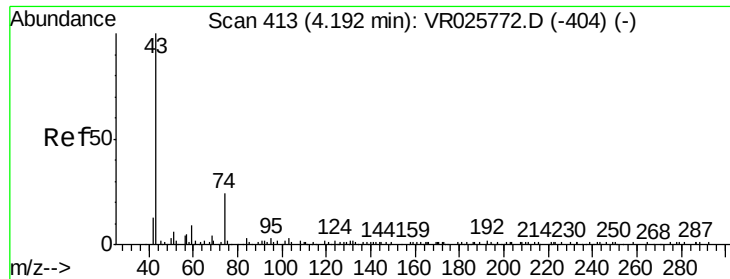
78 9.4 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

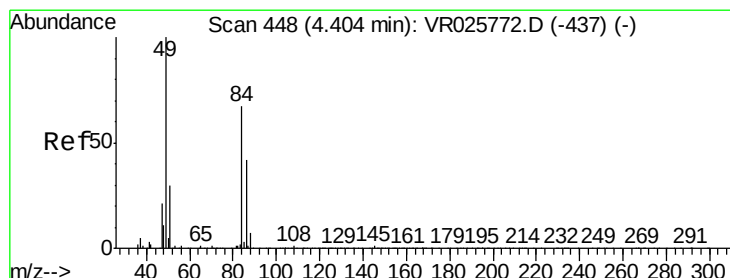
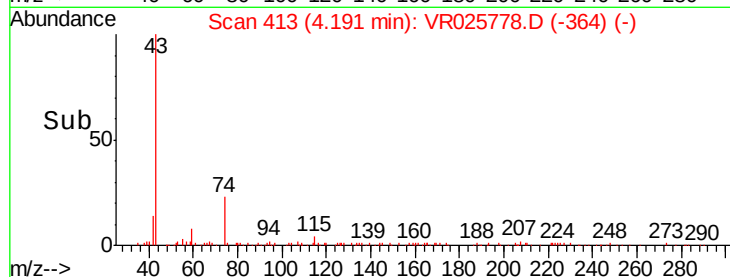
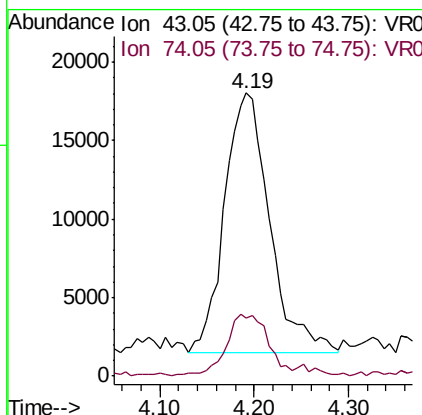
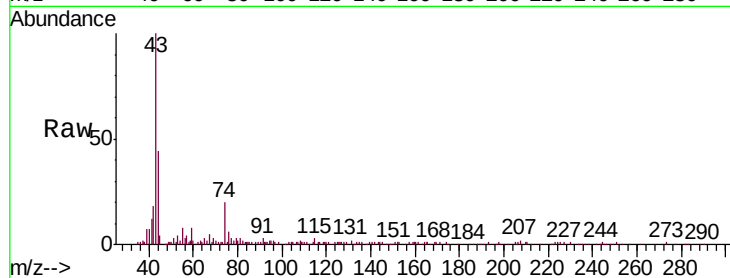




#15
Methyl Acetate
Concen: 5.367 ug/L
RT: 4.19 min Scan# 413
Delta R.T. -0.00 min
Lab File: VR025778.D
Acq: 20 Sep 2018 15:40

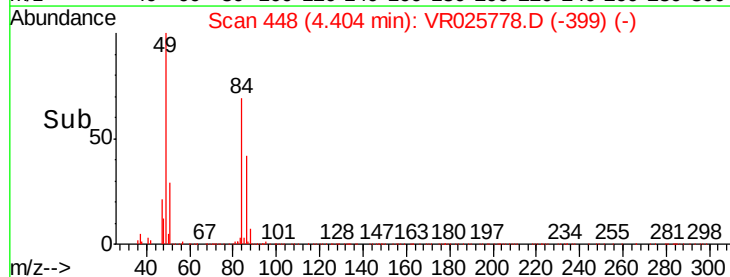
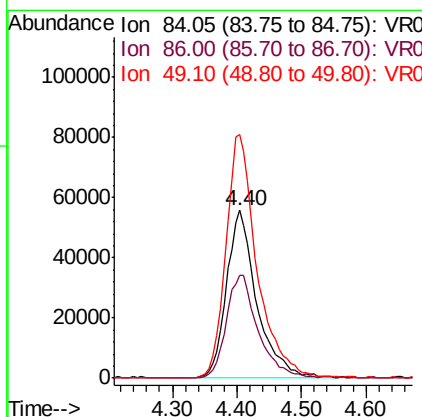
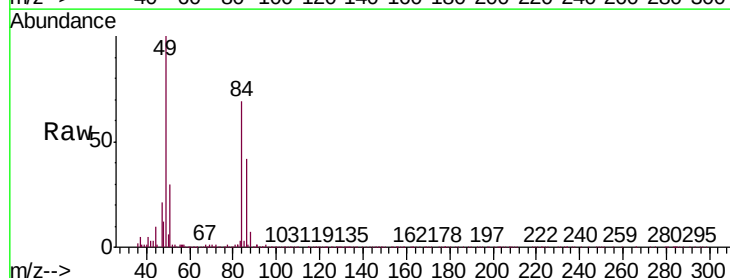
Instrument :
MSVOA_R
ClientSampleId :
VICV16

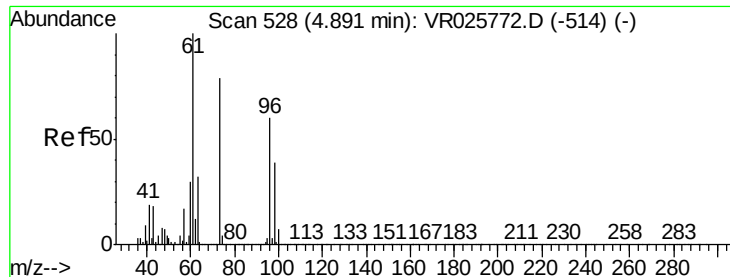
Tgt Ion: 43 Resp: 54957
Ion Ratio Lower Upper
43 100
74 22.2 21.1 31.7



#16
Methylene chloride
Concen: 4.626 ug/L
RT: 4.40 min Scan# 448
Delta R.T. -0.00 min
Lab File: VR025778.D
Acq: 20 Sep 2018 15:40

Tgt Ion: 84 Resp: 183024
Ion Ratio Lower Upper
84 100
86 61.1 44.2 82.0
49 145.0 103.9 192.9





#17

Methyl tert-butyl Ether

Concen: 4.653 ug/L

RT: 4.89 min Scan# 528

Delta R.T. -0.00 min

Lab File: VR025778.D

Acq: 20 Sep 2018 15:40

Instrument :

MSVOA_R

ClientSampled :

VICV16

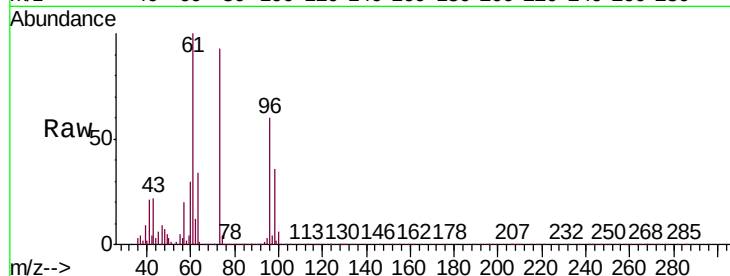
Tgt Ion: 73 Resp: 421383

Ion Ratio Lower Upper

73 100

43 25.1 20.4 30.6

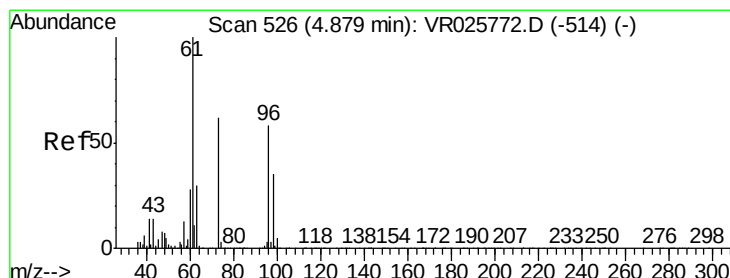
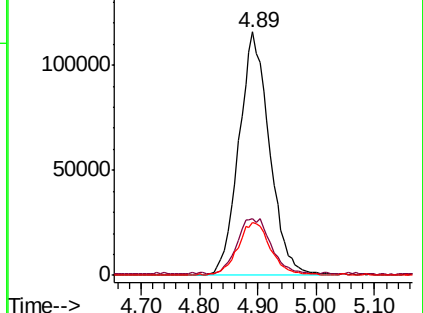
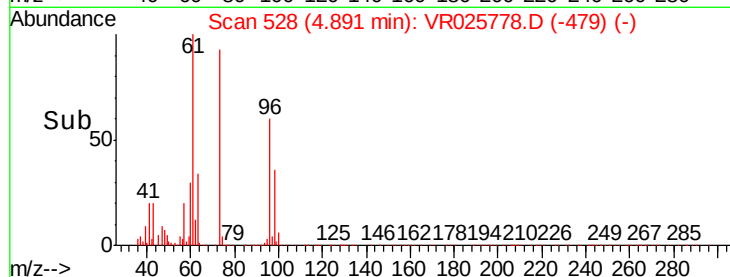
57 22.4 17.8 26.6



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: 4.594 ug/L

RT: 4.88 min Scan# 526

Delta R.T. -0.00 min

Lab File: VR025778.D

Acq: 20 Sep 2018 15:40

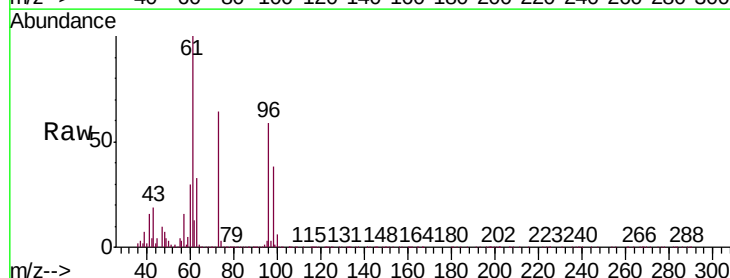
Tgt Ion: 96 Resp: 264573

Ion Ratio Lower Upper

96 100

61 170.2 121.4 225.6

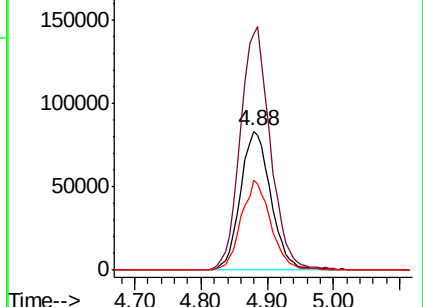
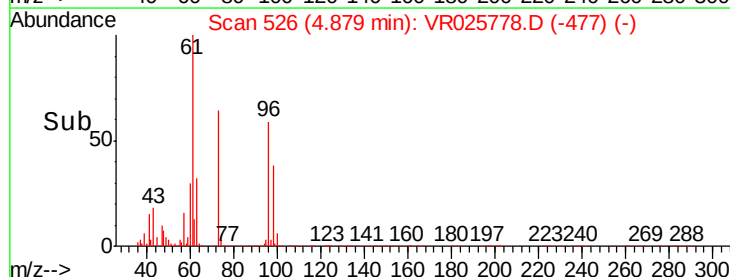
98 65.3 42.7 79.3

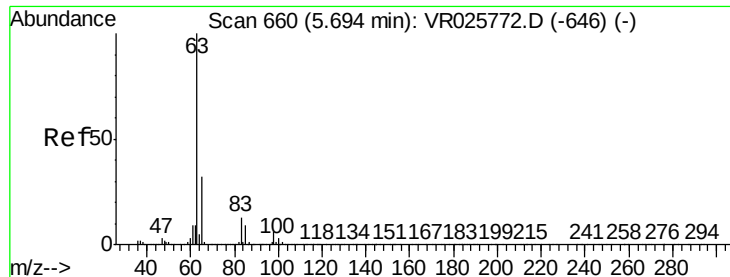


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 97.95 (97.65 to 98.65): VR0

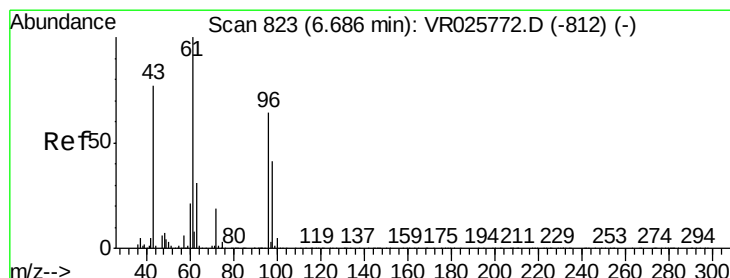
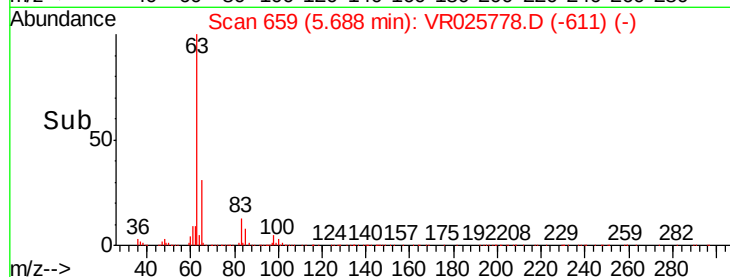
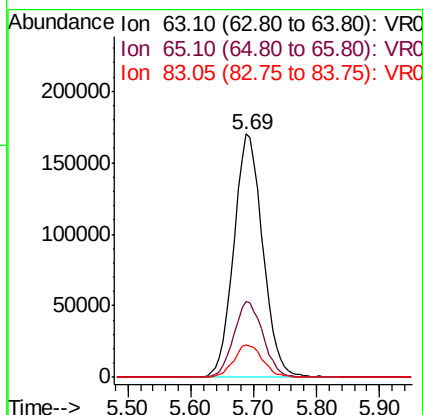
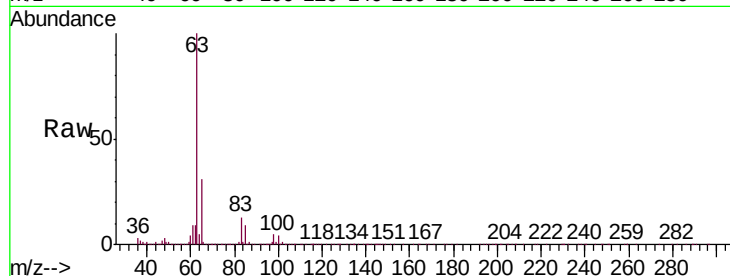




#19
 1,1-Dichloroethane
 Concen: 4.660 ug/L
 RT: 5.69 min Scan# 659
 Delta R.T. -0.01 min
 Lab File: VR025778.D
 Acq: 20 Sep 2018 15:40

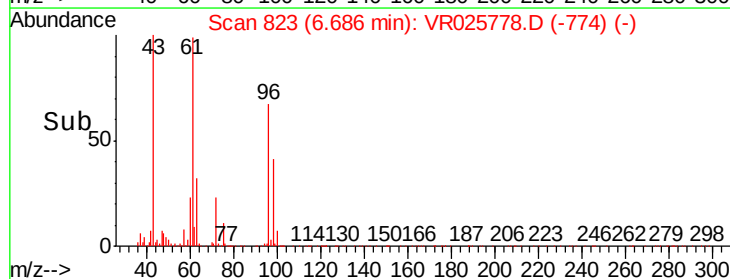
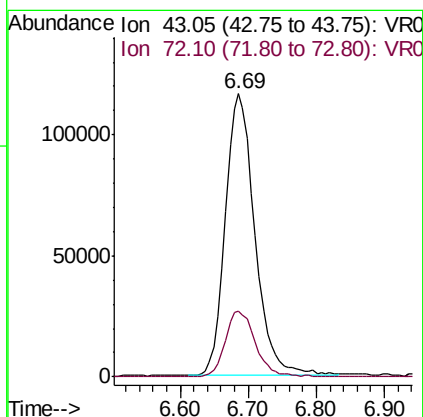
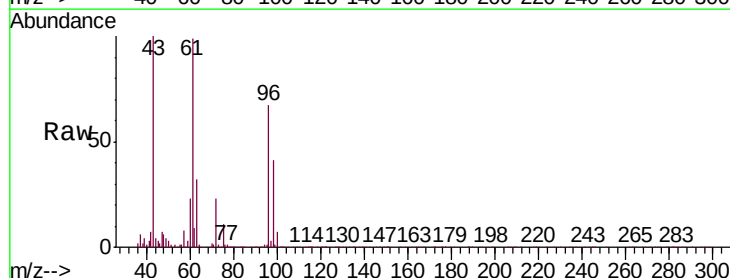
Instrument :
 MSVOA_R
 ClientSampleId :
 VICV16

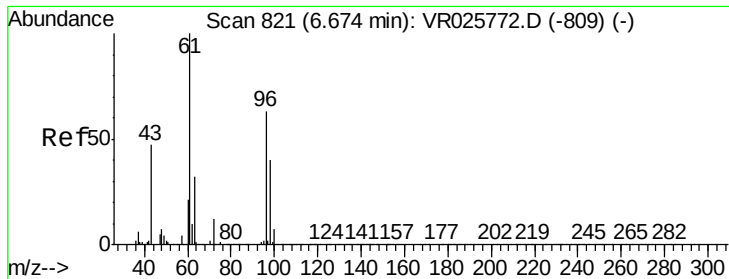
Tgt Ion: 63 Resp: 543246
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.7 42.1
 83 13.1 9.3 17.3



#21
 2-Butanone
 Concen: 54.408 ug/L
 RT: 6.69 min Scan# 823
 Delta R.T. -0.00 min
 Lab File: VR025778.D
 Acq: 20 Sep 2018 15:40

Tgt Ion: 43 Resp: 346672
 Ion Ratio Lower Upper
 43 100
 72 23.8 12.4 37.0



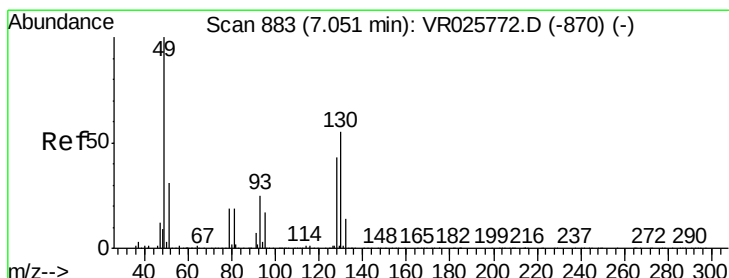
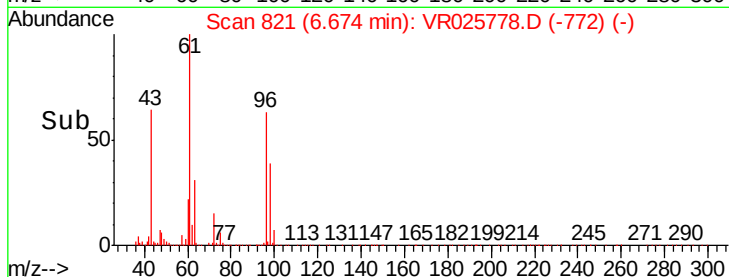
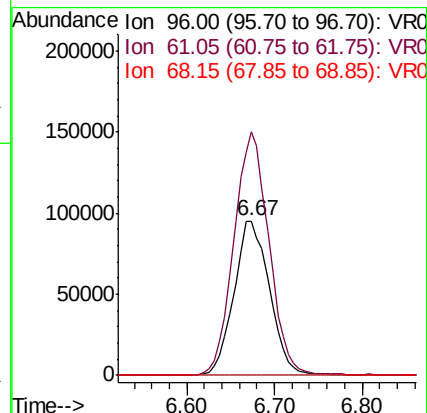
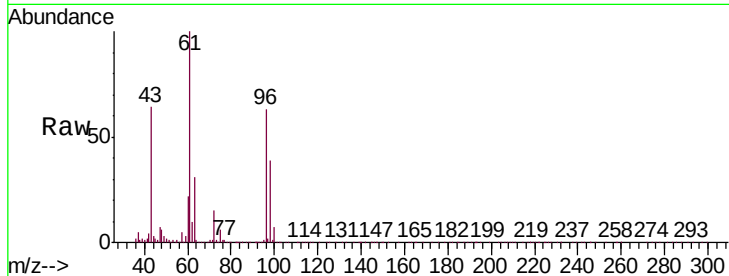


#22

cis-1,2-Dichloroethene
Concen: 4.662 ug/L
RT: 6.67 min Scan# 821
Delta R.T. -0.00 min
Lab File: VR025778.D
Acq: 20 Sep 2018 15:40

Instrument :
MSVOA_R
ClientSampleId :
VICV16

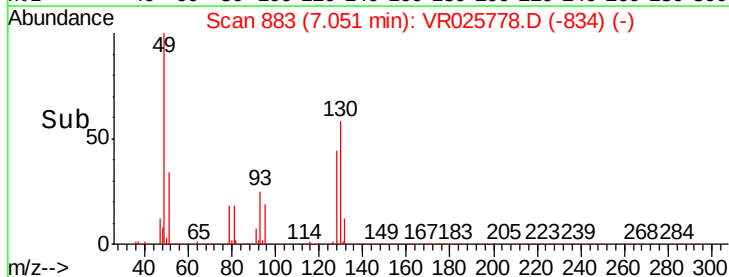
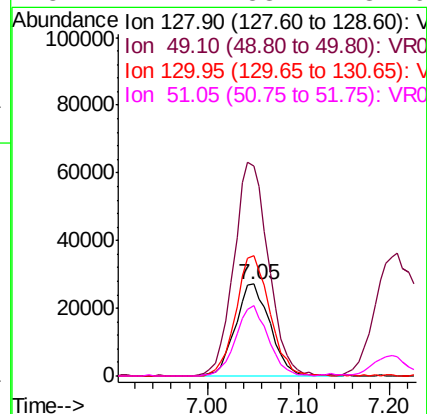
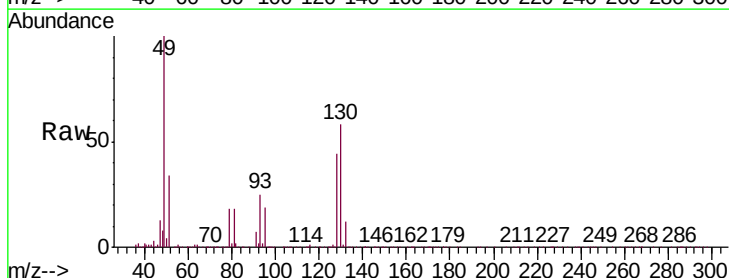
Tgt Ion: 96 Resp: 267443
Ion Ratio Lower Upper
96 100
61 157.7 110.8 205.8
68 0.1 0.1 0.1

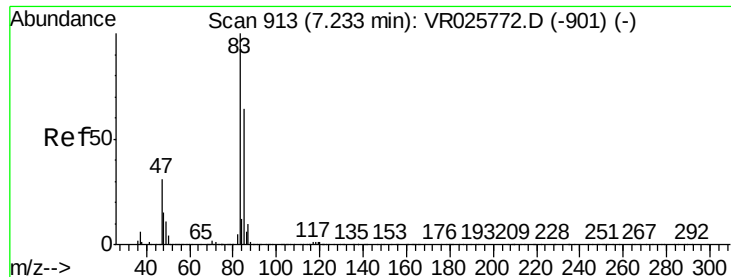


#23

Bromochloromethane
Concen: 4.612 ug/L
RT: 7.05 min Scan# 883
Delta R.T. -0.00 min
Lab File: VR025778.D
Acq: 20 Sep 2018 15:40

Tgt Ion: 128 Resp: 71971
Ion Ratio Lower Upper
128 100
49 228.2 161.5 299.9
130 131.6 89.5 166.1
51 77.1 58.4 87.6

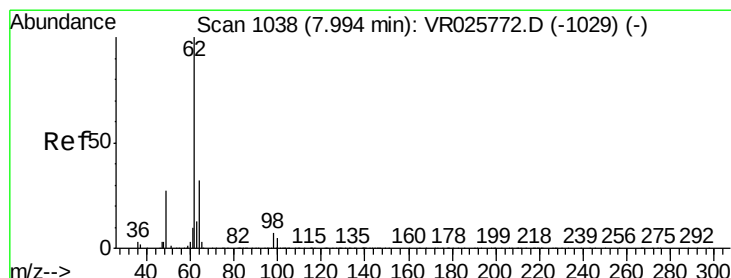
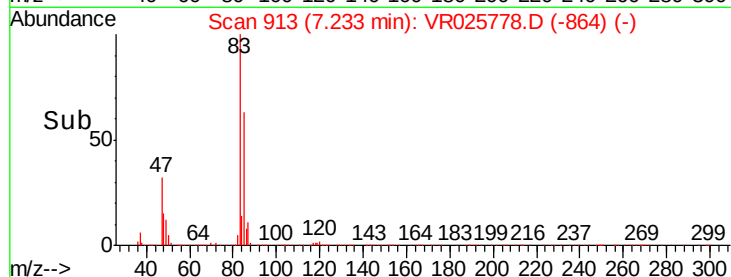
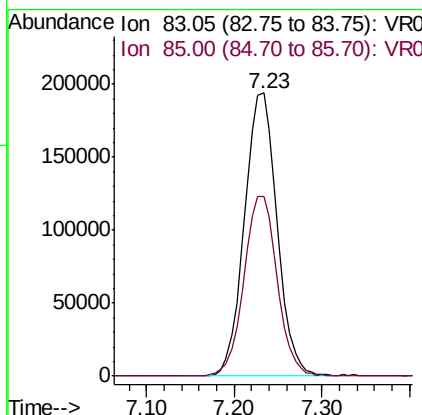
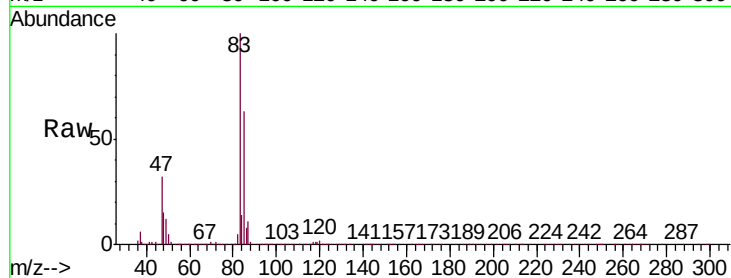




#25
Chloroform
Concen: 4.653 ug/L
RT: 7.23 min Scan# 913
Delta R.T. -0.00 min
Lab File: VR025778.D
Acq: 20 Sep 2018 15:40

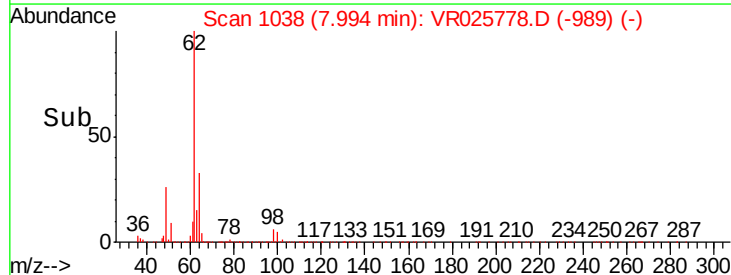
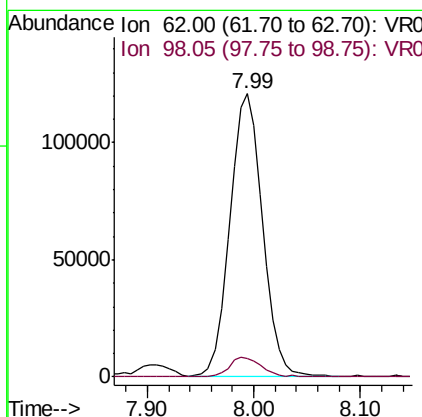
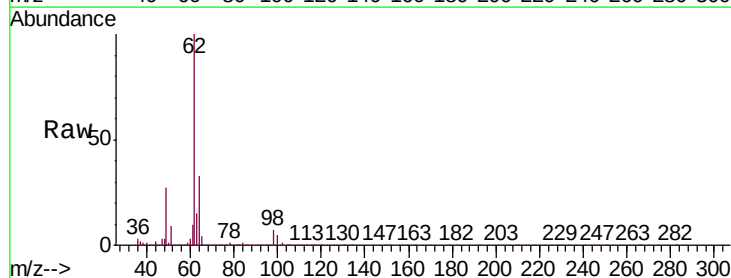
Instrument :
MSVOA_R
ClientSampleId :
VICV16

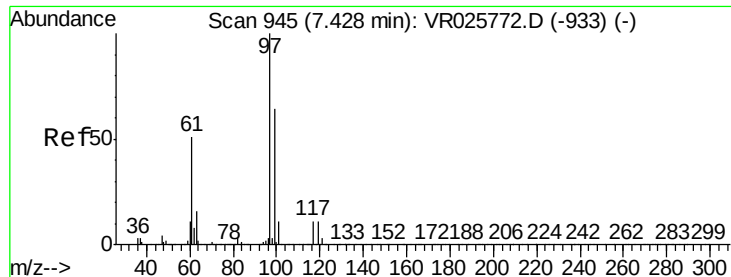
Tgt Ion: 83 Resp: 501477
Ion Ratio Lower Upper
83 100
85 63.5 44.8 83.2



#27
1,2-Dichloroethane
Concen: 4.774 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VR025778.D
Acq: 20 Sep 2018 15:40

Tgt Ion: 62 Resp: 257985
Ion Ratio Lower Upper
62 100
98 6.5 5.5 8.3





#29

1,1,1-Trichloroethane

Concen: 4.815 ug/L

RT: 7.43 min Scan# 945

Delta R.T. -0.00 min

Lab File: VR025778.D

Acq: 20 Sep 2018 15:40

Instrument :

MSVOA_R

ClientSampleId :

VICV16

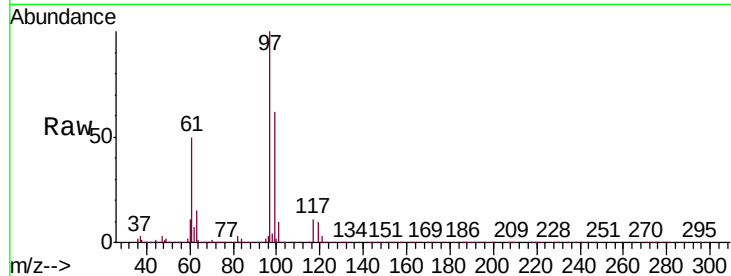
Tgt Ion: 97 Resp: 471337

Ion Ratio Lower Upper

97 100

99 63.5 51.0 76.6

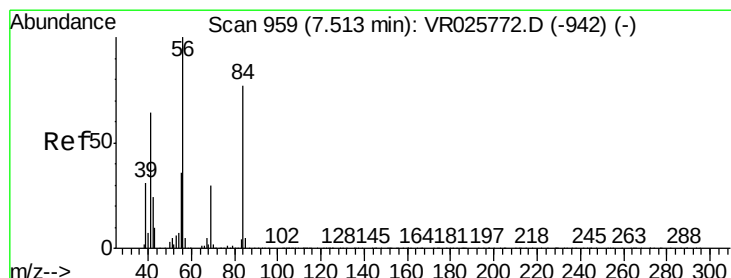
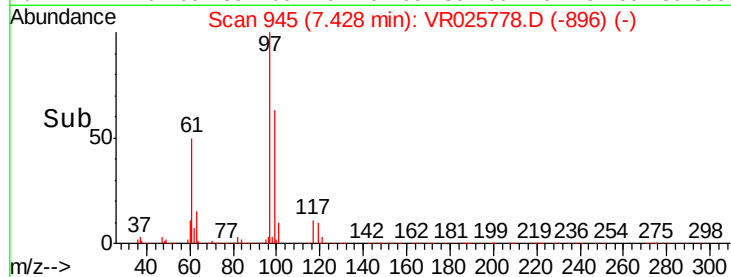
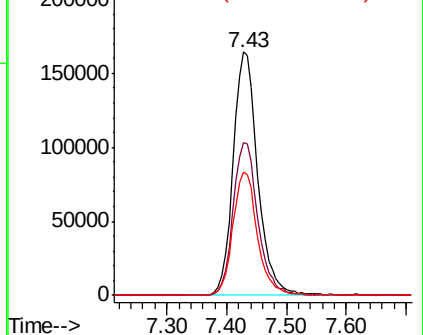
61 50.3 40.4 60.6



Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 61.05 (60.75 to 61.75): VR0



#30

Cyclohexane

Concen: 4.381 ug/L

RT: 7.51 min Scan# 959

Delta R.T. -0.00 min

Lab File: VR025778.D

Acq: 20 Sep 2018 15:40

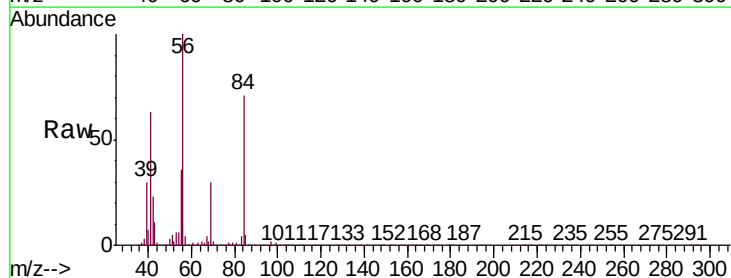
Tgt Ion: 56 Resp: 475865

Ion Ratio Lower Upper

56 100

69 30.5 24.0 36.0

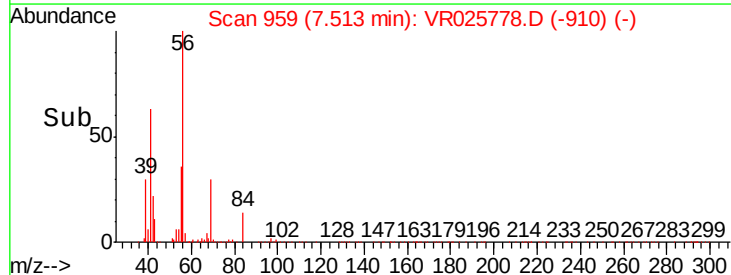
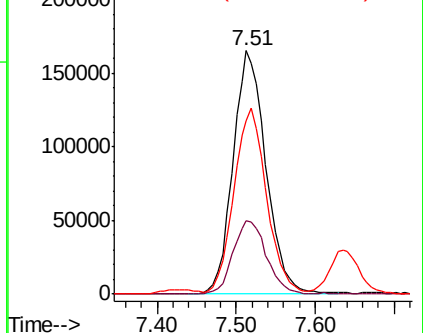
84 75.9 60.2 90.4

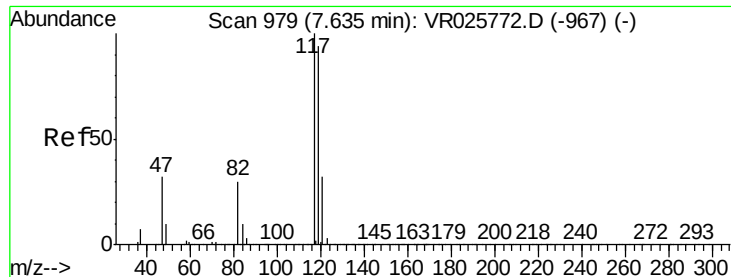


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 4.725 ug/L

RT: 7.64 min Scan# 980

Delta R.T. 0.01 min

Lab File: VR025778.D

Acq: 20 Sep 2018 15:40

Instrument :

MSVOA_R

ClientSampleId :

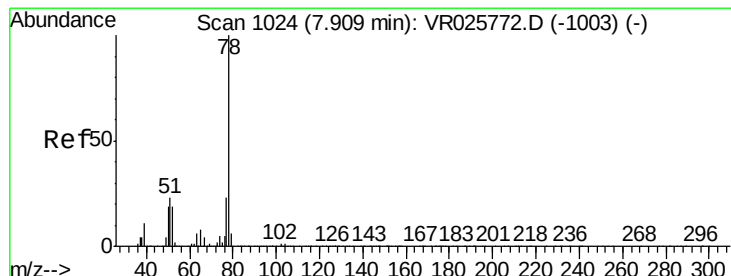
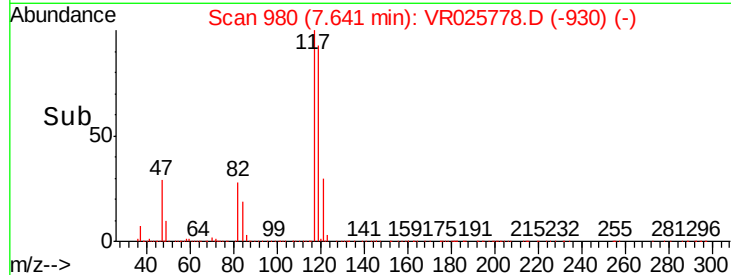
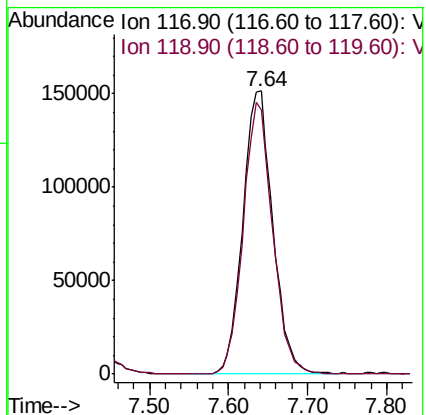
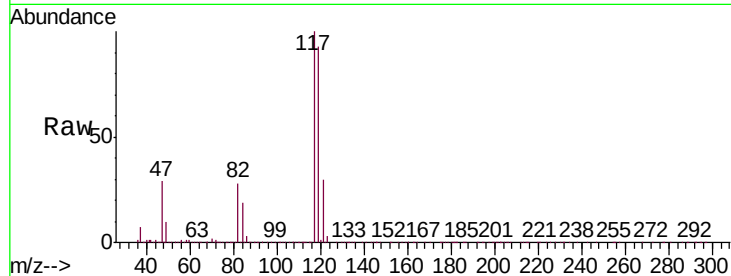
VICV16

Tgt Ion:117 Resp: 399812

Ion Ratio Lower Upper

117 100

119 94.0 76.5 114.7



#33

Benzene

Concen: 4.986 ug/L

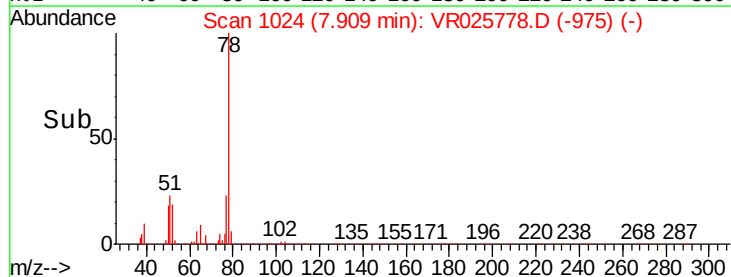
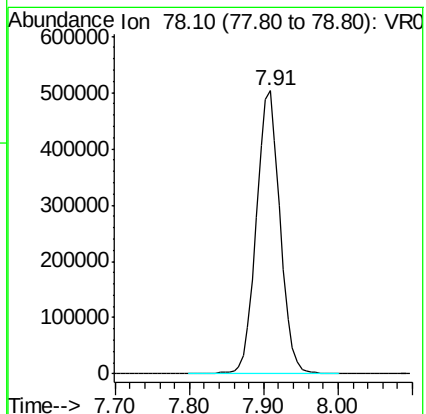
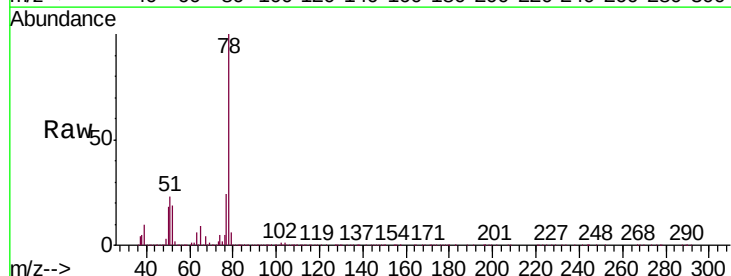
RT: 7.91 min Scan# 1024

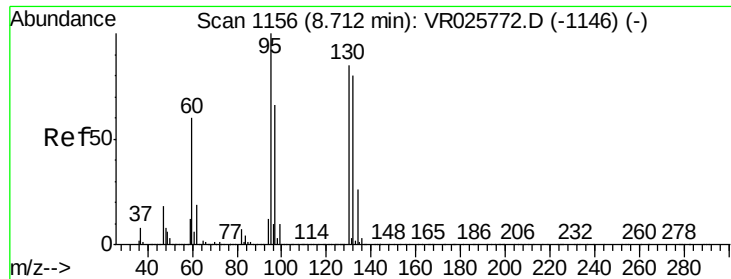
Delta R.T. -0.00 min

Lab File: VR025778.D

Acq: 20 Sep 2018 15:40

Tgt Ion: 78 Resp: 1122488





#34

Trichloroethene

Concen: 4.791 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VR025778.D

Acq: 20 Sep 2018 15:40

Instrument :

MSVOA_R

ClientSampleId :

VICV16

Tgt Ion: 95 Resp: 298214

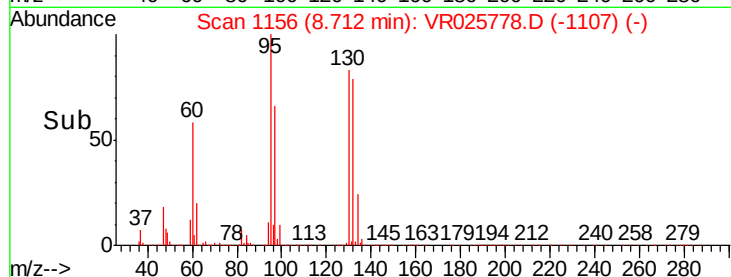
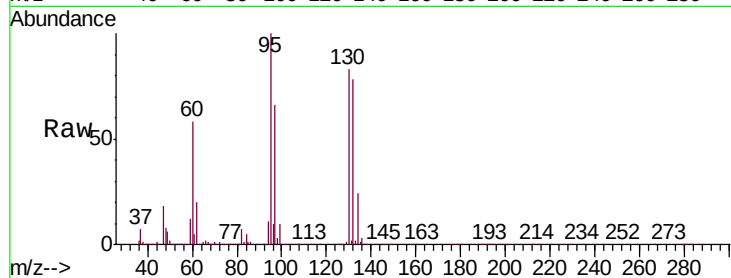
Ion Ratio Lower Upper

95 100

97 65.8 46.2 85.8

132 78.5 56.0 104.0

130 83.2 59.6 110.8

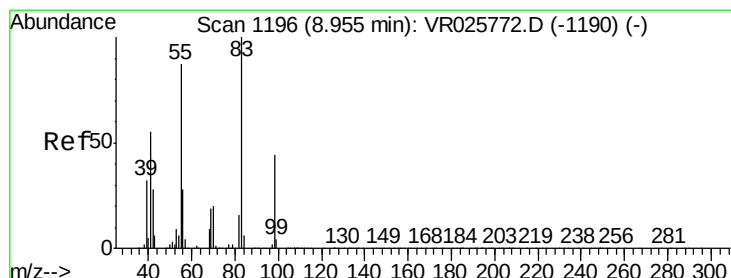
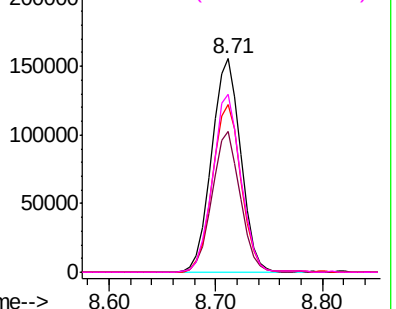


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 4.310 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. -0.00 min

Lab File: VR025778.D

Acq: 20 Sep 2018 15:40

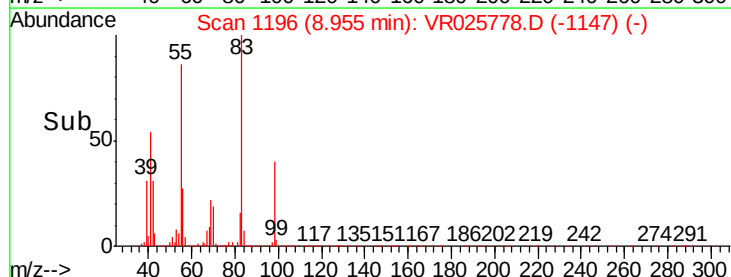
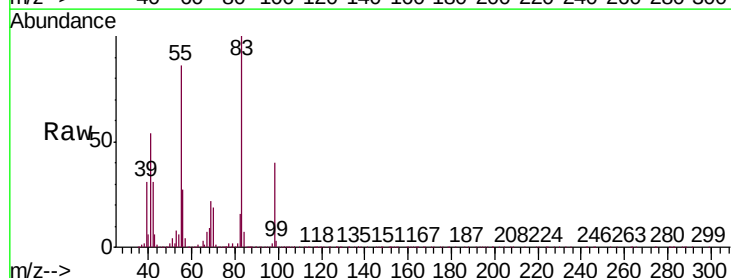
Tgt Ion: 83 Resp: 440391

Ion Ratio Lower Upper

83 100

55 90.0 70.3 105.5

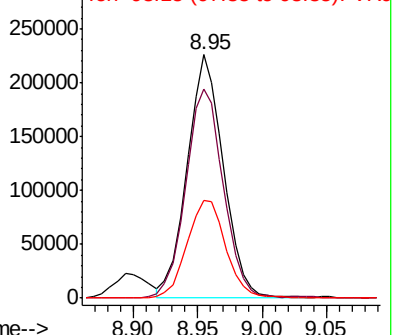
98 43.4 34.4 51.6

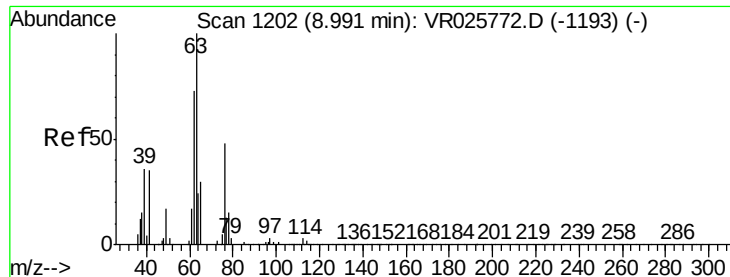


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

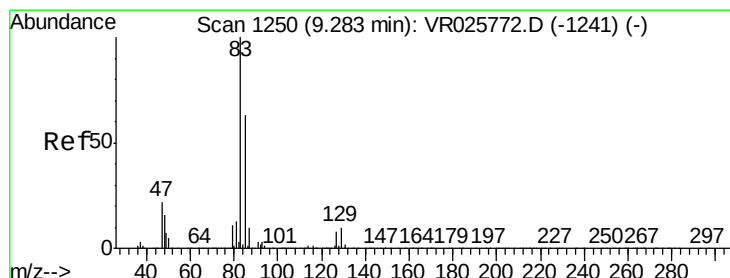
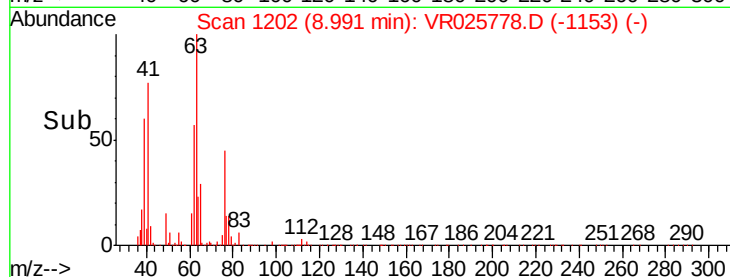
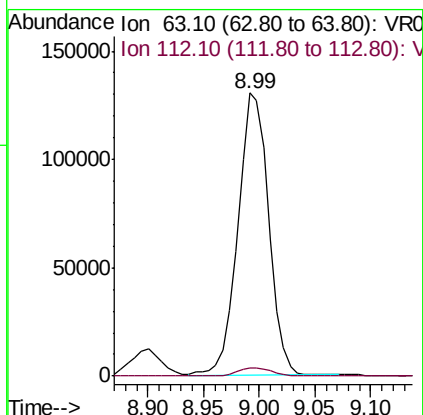
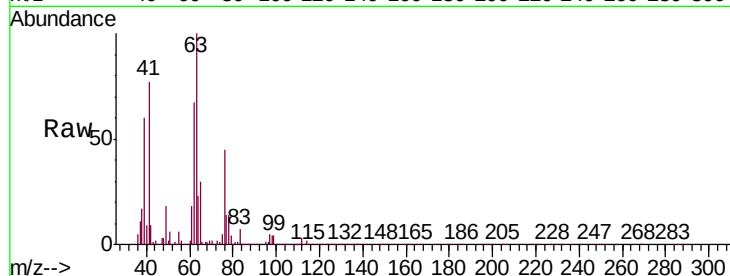




#37
 1,2-Dichloropropane
 Concen: 5.083 ug/L
 RT: 8.99 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VR025778.D
 Acq: 20 Sep 2018 15:40

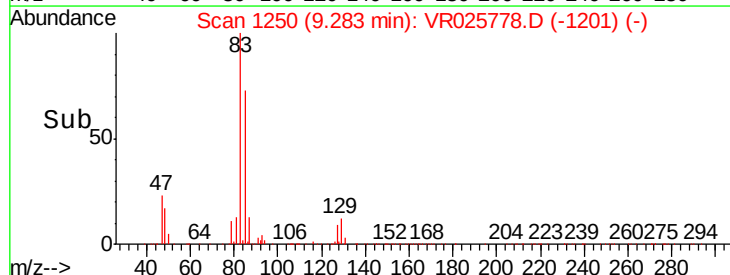
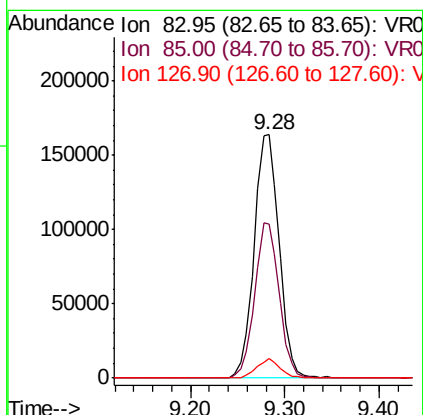
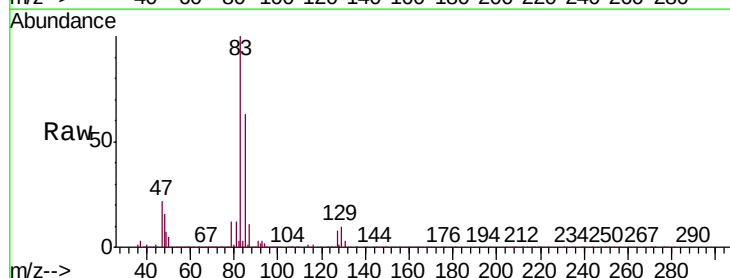
Instrument :
 MSVOA_R
 ClientSampleId :
 VICV16

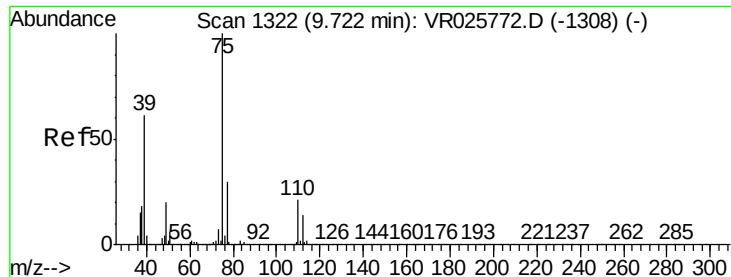
Tgt Ion: 63 Resp: 249394
 Ion Ratio Lower Upper
 63 100
 112 3.3 3.0 4.6



#38
 Bromodichloromethane
 Concen: 5.000 ug/L
 RT: 9.28 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VR025778.D
 Acq: 20 Sep 2018 15:40

Tgt Ion: 83 Resp: 305420
 Ion Ratio Lower Upper
 83 100
 85 63.4 44.2 82.0
 127 7.8 6.0 9.0





#39

cis-1,3-Dichloropropene

Concen: 5.031 ug/L

RT: 9.72 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VR025778.D

Acq: 20 Sep 2018 15:40

Instrument :

MSVOA_R

ClientSampleId :

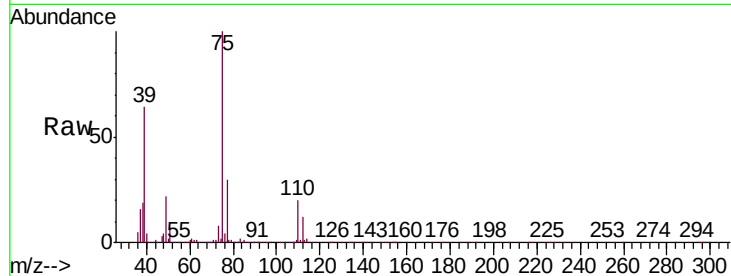
VICV16

Tgt Ion: 75 Resp: 341258

Ion Ratio Lower Upper

75 100

77 30.2 21.2 39.4



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

9.72

200000

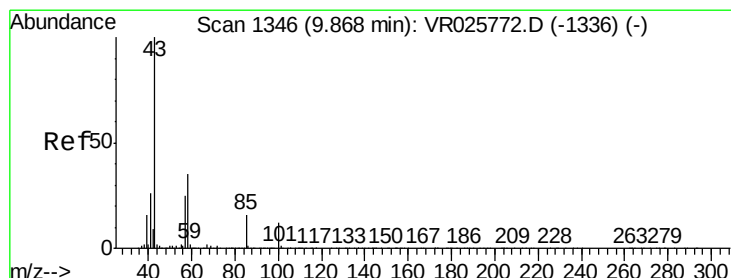
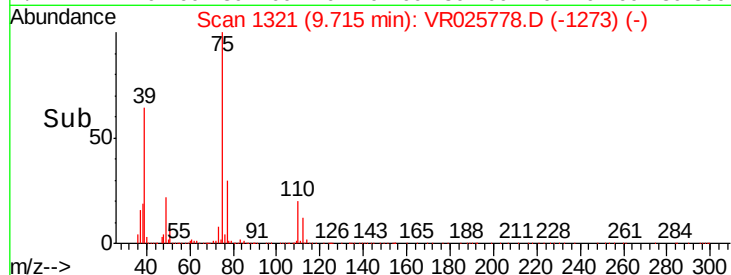
150000

100000

50000

0

Time-->



#40

4-Methyl-2-pentanone

Concen: 50.426 ug/L

RT: 9.86 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VR025778.D

Acq: 20 Sep 2018 15:40

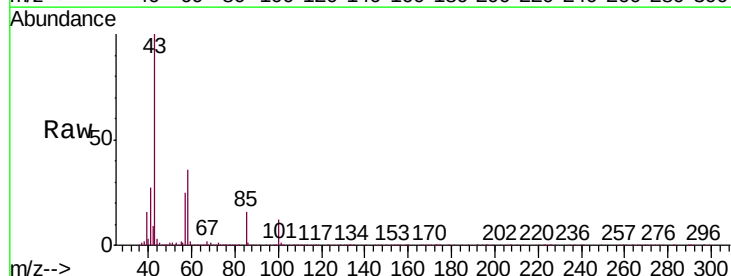
Tgt Ion: 43 Resp: 874633

Ion Ratio Lower Upper

43 100

58 36.5 28.3 42.5

100 11.7 9.3 13.9



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0

9.86

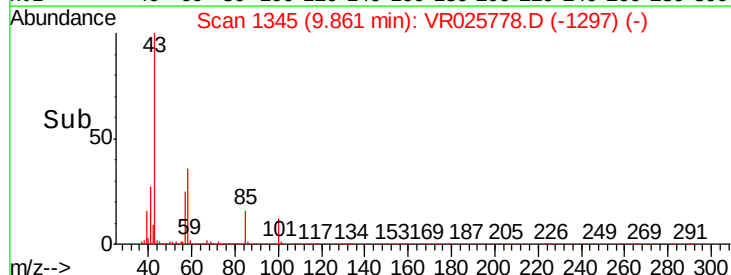
600000

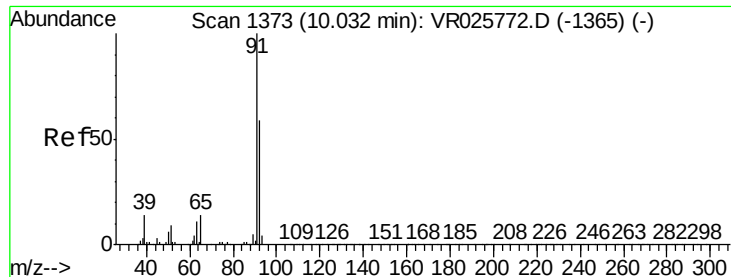
400000

200000

0

Time-->





#42

Toluene

Concen: 4.977 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.01 min

Lab File: VR025778.D

Acq: 20 Sep 2018 15:40

Instrument :

MSVOA_R

ClientSampleId :

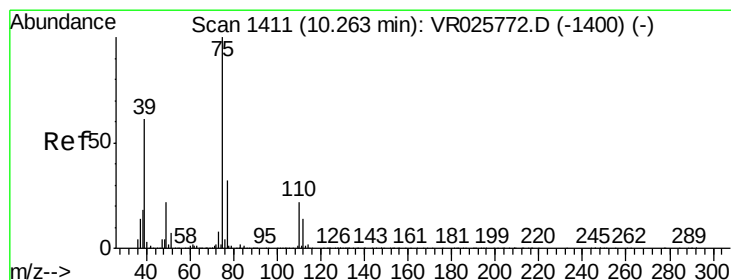
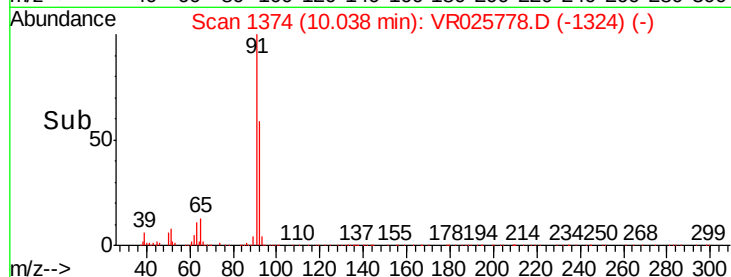
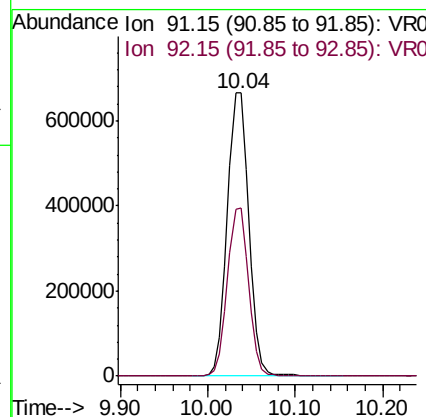
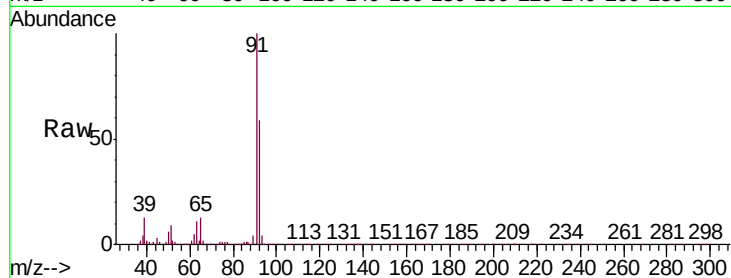
VICV16

Tgt Ion: 91 Resp: 1136489

Ion Ratio Lower Upper

91 100

92 59.2 41.1 76.3



#44

trans-1,3-Dichloropropene

Concen: 4.949 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR025778.D

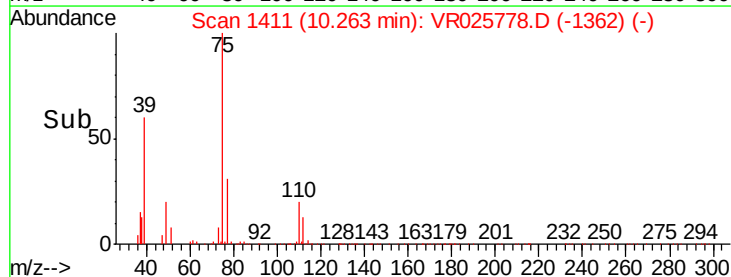
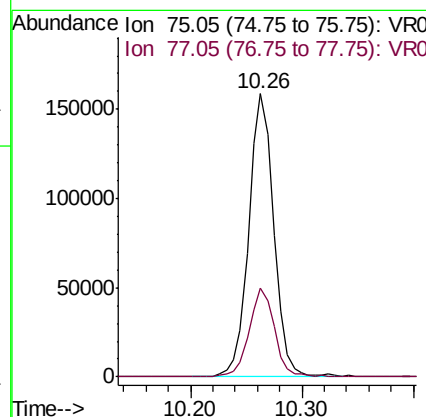
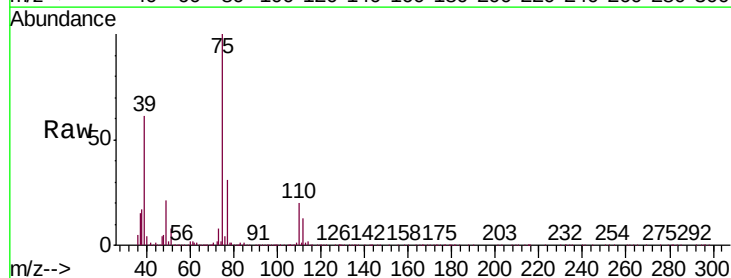
Acq: 20 Sep 2018 15:40

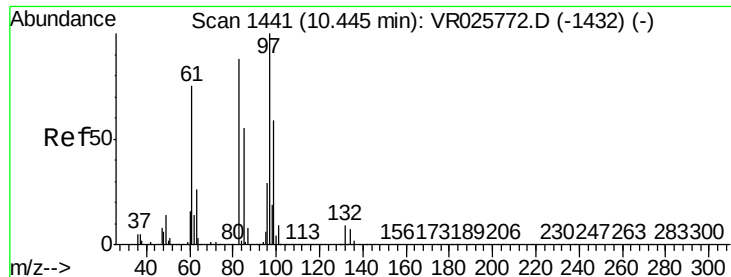
Tgt Ion: 75 Resp: 246902

Ion Ratio Lower Upper

75 100

77 31.5 22.6 42.0

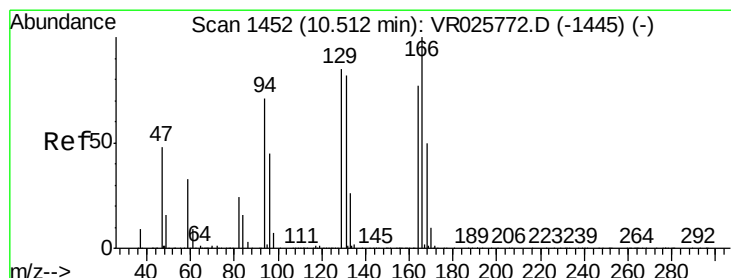
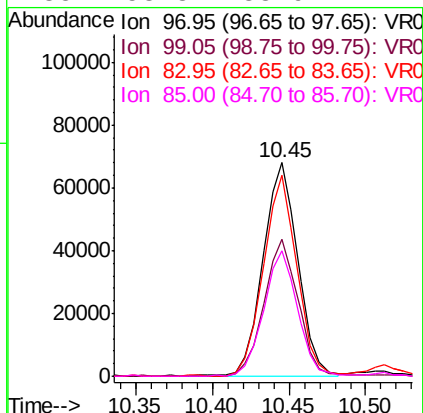
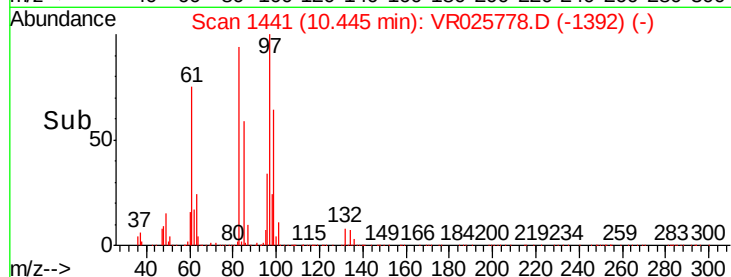
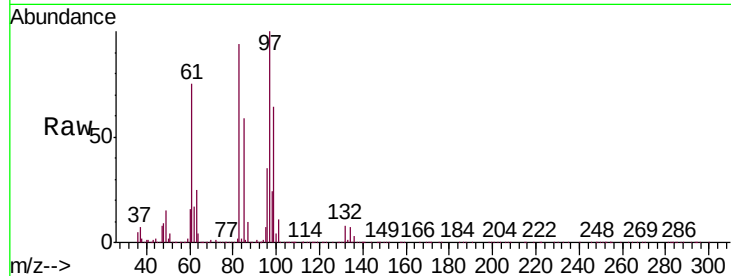




#45
 1,1,2-Trichloroethane
 Concen: 5.017 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VR025778.D
 Acq: 20 Sep 2018 15:40

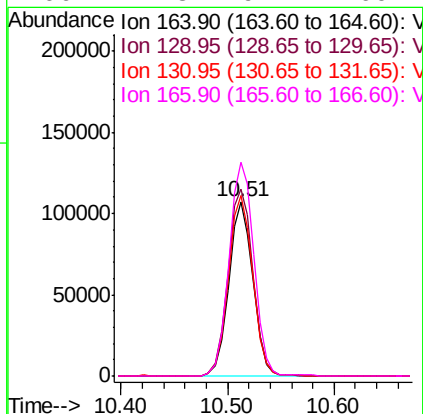
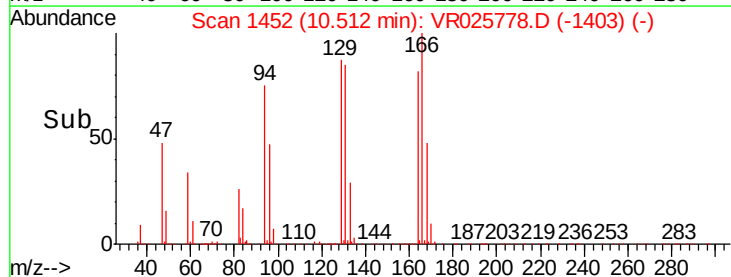
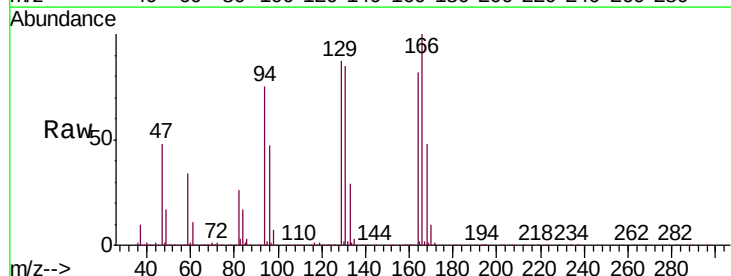
Instrument :
 MSVOA_R
 ClientSampled :
 VICV16

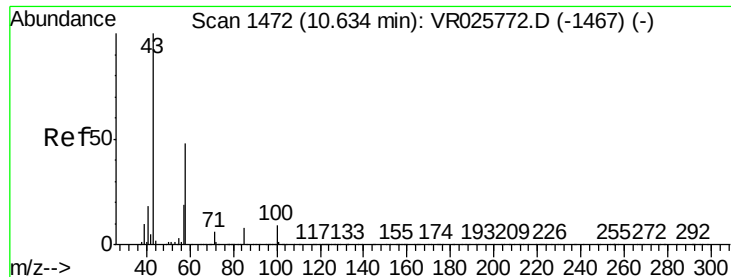
Tgt Ion:	97	Resp:	106883
Ion	Ratio	Lower	Upper
97	100		
99	63.9	41.2	76.4
83	93.9	61.3	113.9
85	58.8	38.9	72.2



#47
 Tetrachloroethene
 Concen: 4.594 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: VR025778.D
 Acq: 20 Sep 2018 15:40

Tgt Ion:	164	Resp:	169428
Ion	Ratio	Lower	Upper
164	100		
129	107.0	77.5	143.9
131	103.5	74.3	138.1
166	122.3	91.1	169.1

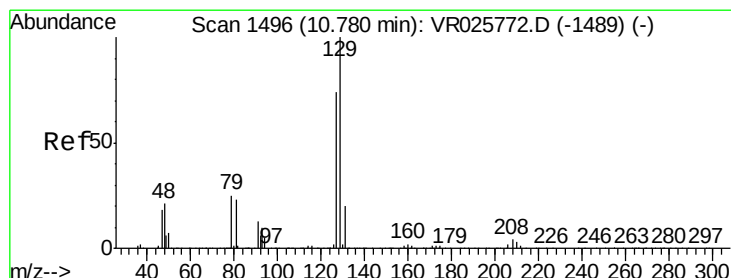
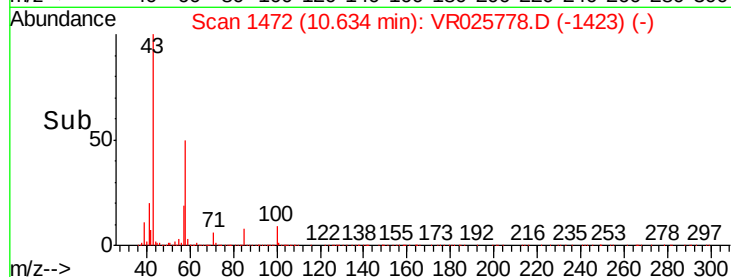
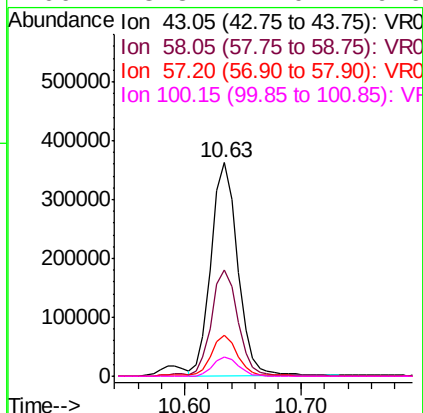
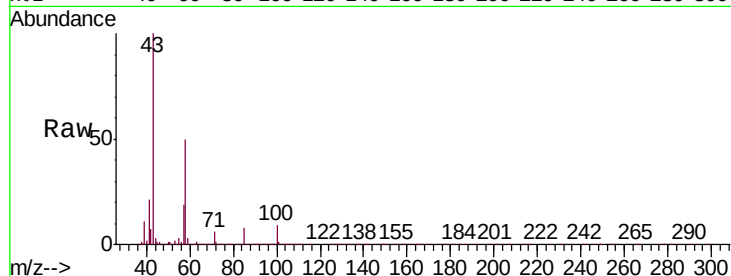




#48
2-Hexanone
Concen: 49.320 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR025778.D
Acq: 20 Sep 2018 15:40

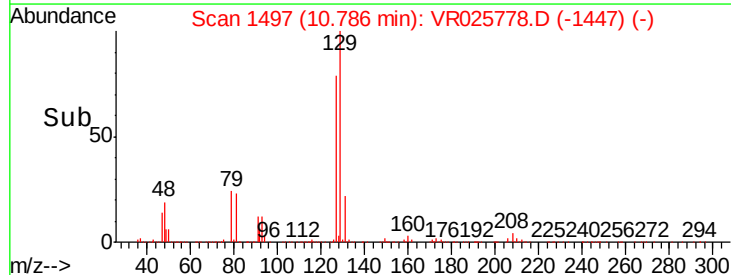
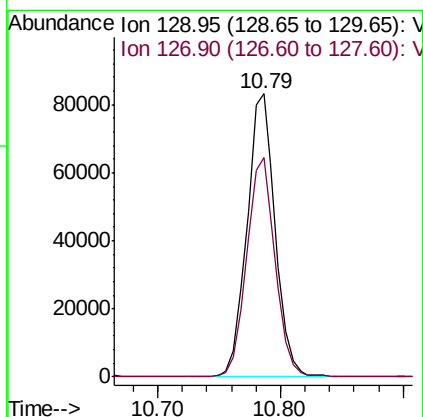
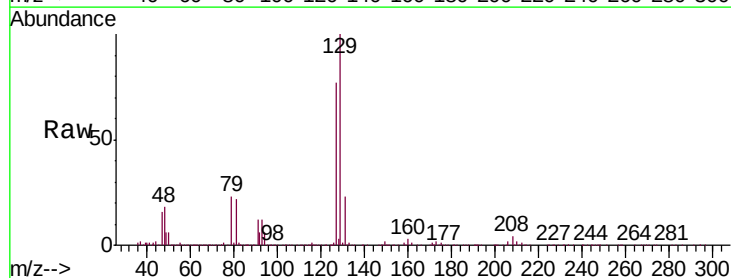
Instrument :
MSVOA_R
ClientSampled :
VICV16

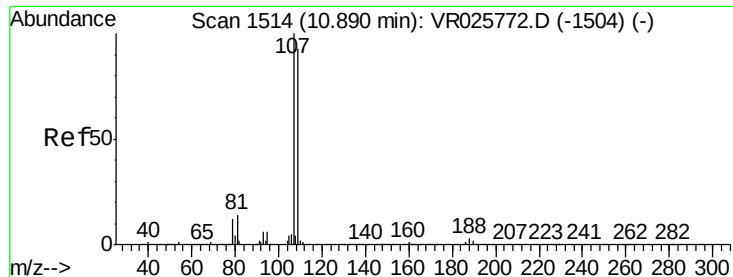
Tgt Ion:	43	Resp:	569415
Ion	Ratio	Lower	Upper
43	100		
58	51.2	39.9	59.9
57	18.7	14.3	21.5
100	8.8	7.0	10.6



#49
Dibromochloromethane
Concen: 4.989 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.01 min
Lab File: VR025778.D
Acq: 20 Sep 2018 15:40

Tgt Ion:	129	Resp:	132694
Ion	Ratio	Lower	Upper
129	100		
127	77.3	51.9	96.5

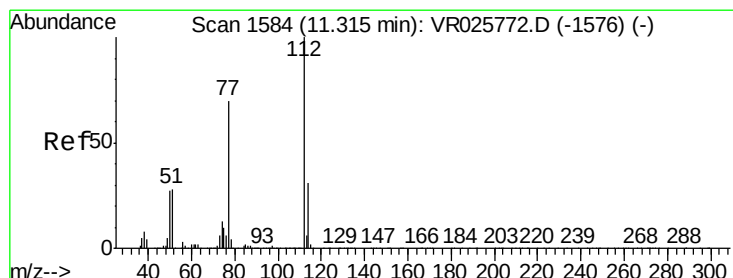
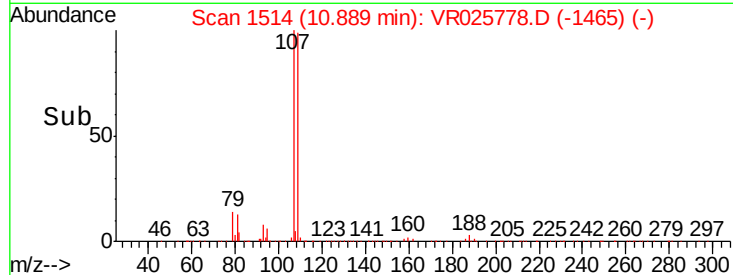
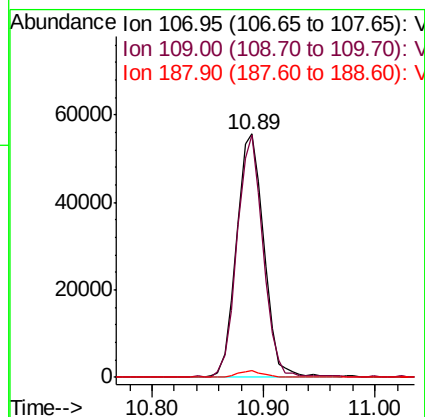
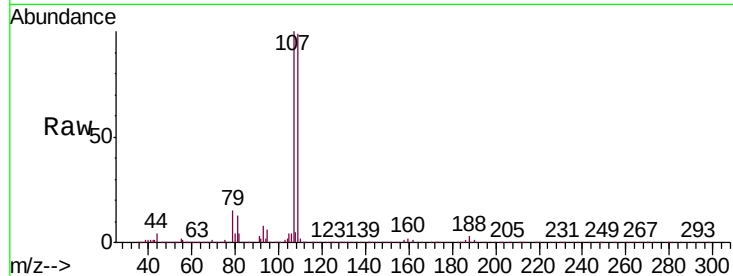




#50
1,2-Dibromoethane
Concen: 4.867 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VR025778.D
Acq: 20 Sep 2018 15:40

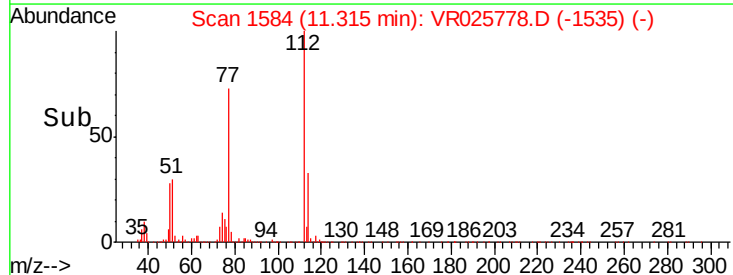
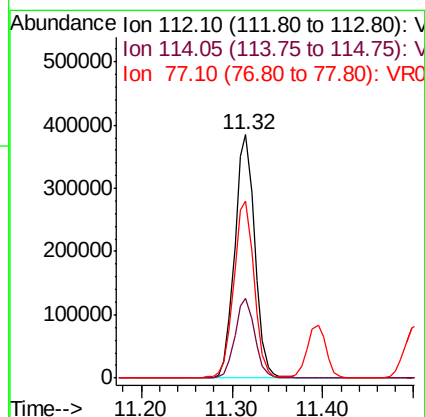
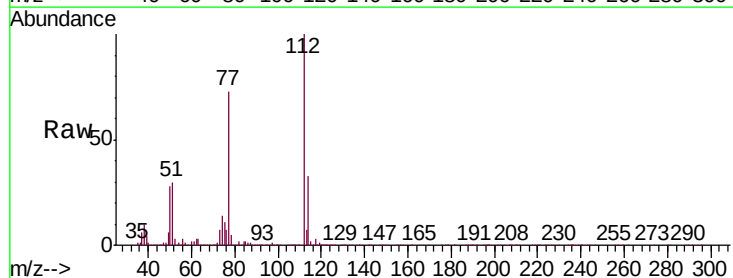
Instrument :
MSVOA_R
ClientSampleId :
VICV16

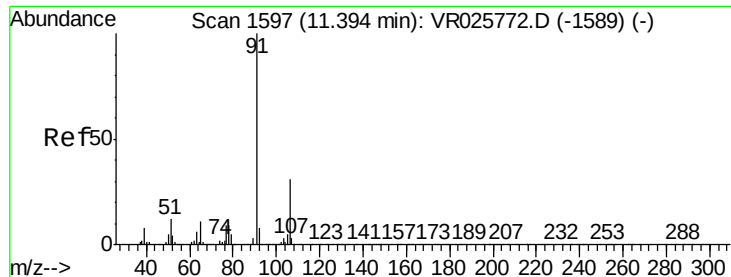
Tgt Ion:107 Resp: 94480
Ion Ratio Lower Upper
107 100
109 99.3 65.3 121.3
188 3.1 2.0 3.0#



#51
Chlorobenzene
Concen: 4.736 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VR025778.D
Acq: 20 Sep 2018 15:40

Tgt Ion:112 Resp: 591194
Ion Ratio Lower Upper
112 100
114 32.9 22.0 41.0
77 72.6 56.3 84.5





#52

Ethylbenzene

Concen: 4.845 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR025778.D

Acq: 20 Sep 2018 15:40

Instrument :

MSVOA_R

ClientSampleId :

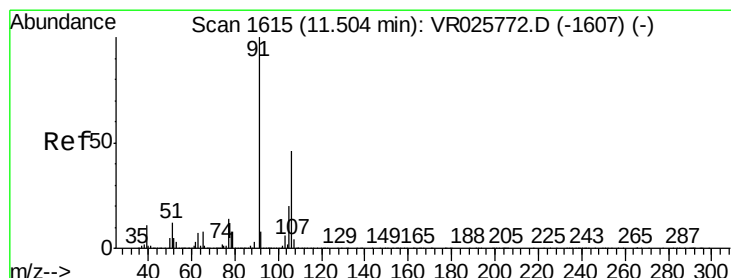
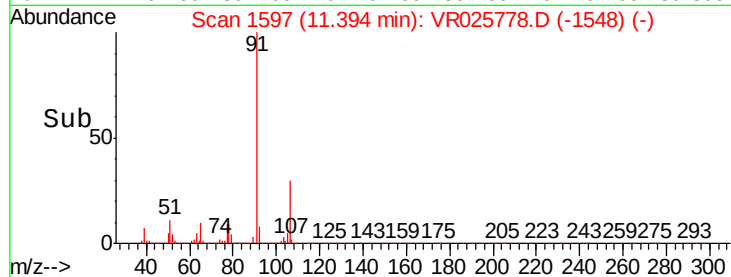
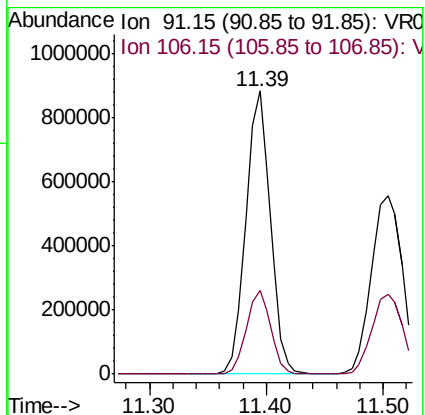
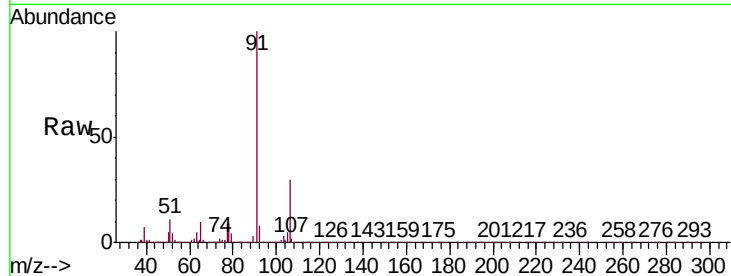
VICV16

Tgt Ion: 91 Resp: 1294560

Ion Ratio Lower Upper

91 100

106 29.5 21.4 39.8



#53

m,p-Xylene

Concen: 4.634 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR025778.D

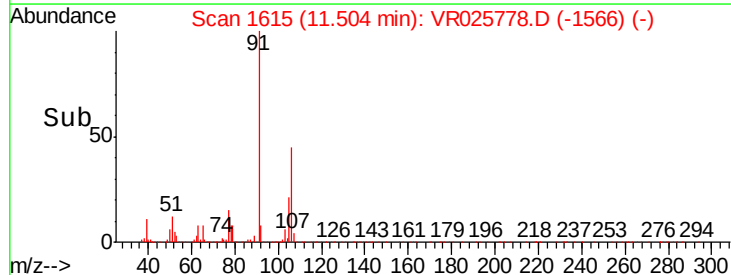
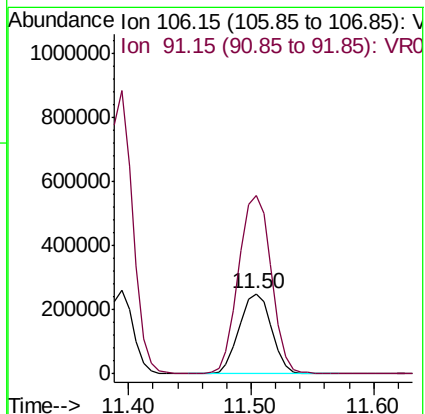
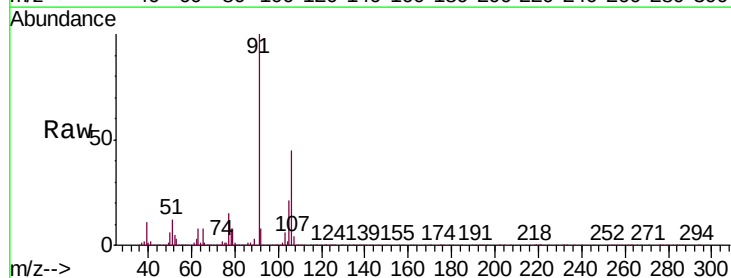
Acq: 20 Sep 2018 15:40

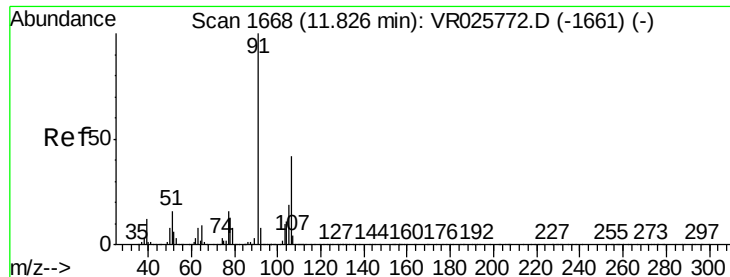
Tgt Ion: 106 Resp: 457496

Ion Ratio Lower Upper

106 100

91 221.7 154.3 286.5

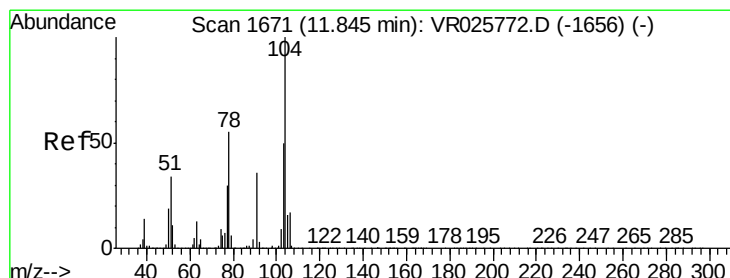
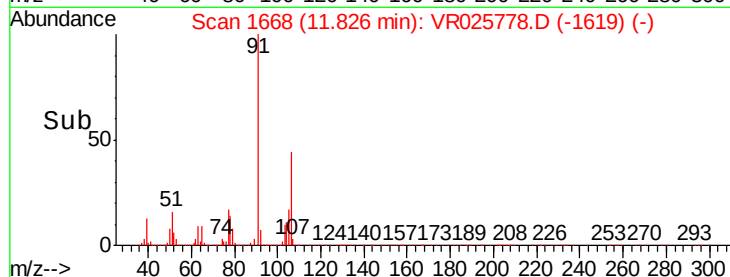
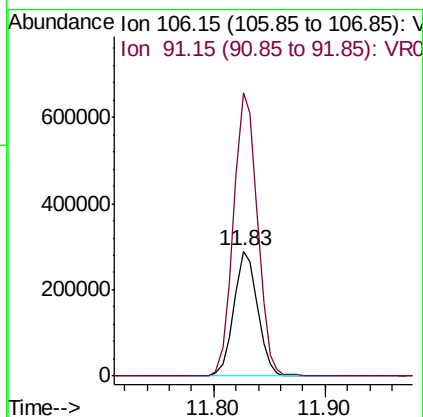
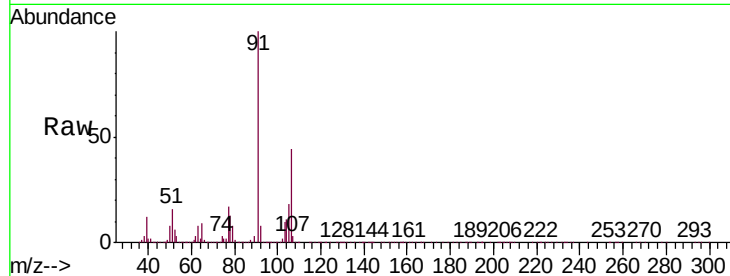




#54
o-Xylene
Concen: 4.691 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. -0.00 min
Lab File: VR025778.D
Acq: 20 Sep 2018 15:40

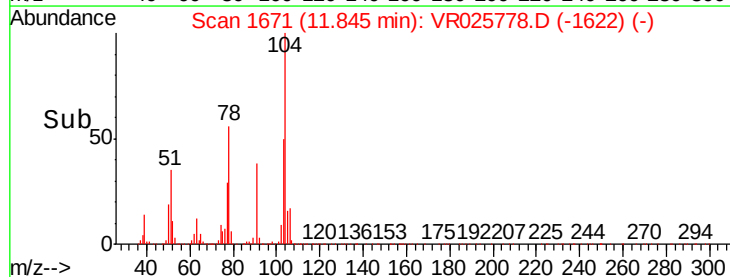
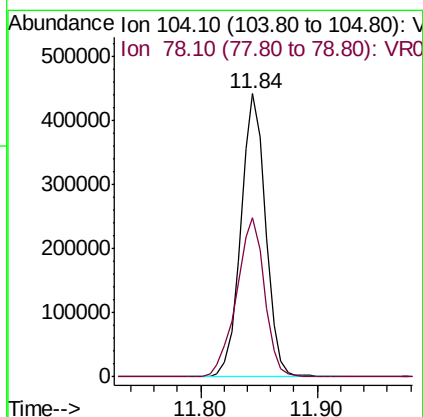
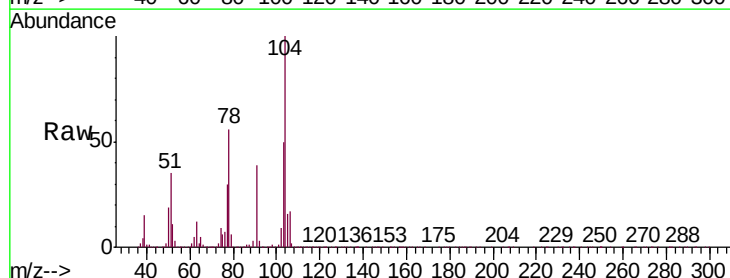
Instrument :
MSVOA_R
ClientSampleId :
VICV16

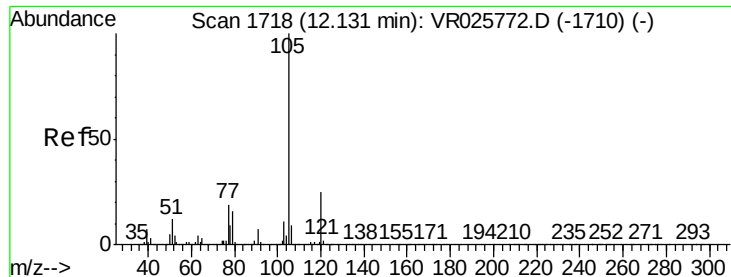
Tgt Ion:106 Resp: 427268
Ion Ratio Lower Upper
106 100
91 226.9 167.1 310.3



#55
Styrene
Concen: 4.661 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR025778.D
Acq: 20 Sep 2018 15:40

Tgt Ion:104 Resp: 657395
Ion Ratio Lower Upper
104 100
78 56.2 38.1 70.9





#56

Isopropylbenzene

Concen: 4.623 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR025778.D

Acq: 20 Sep 2018 15:40

Instrument :

MSVOA_R

ClientSampleId :

VICV16

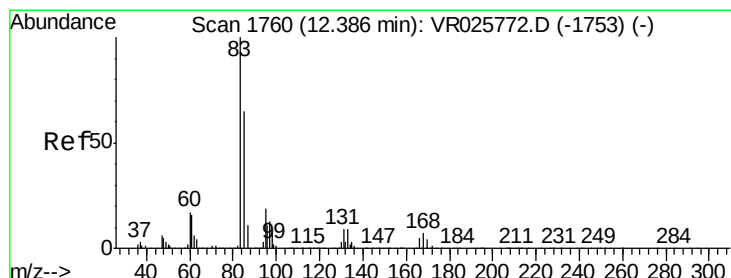
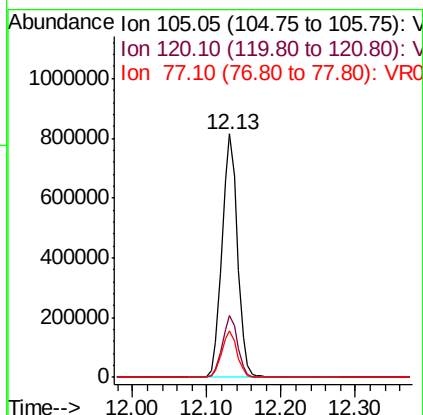
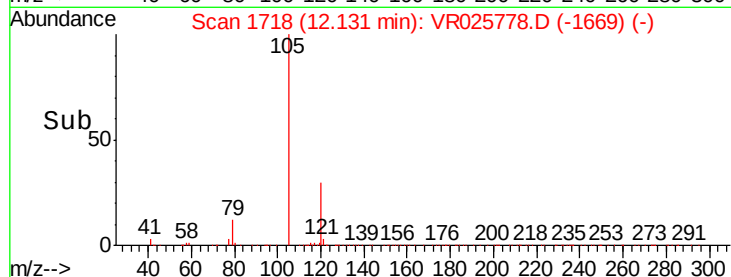
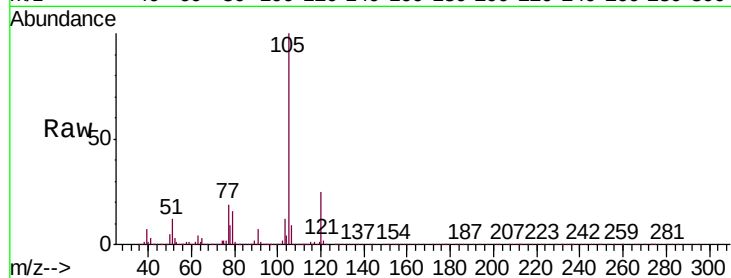
Tgt Ion:105 Resp: 1167019

Ion Ratio Lower Upper

105 100

120 25.3 20.1 30.1

77 18.9 15.3 22.9



#58

1,1,2,2-Tetrachloroethane

Concen: 4.707 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. -0.00 min

Lab File: VR025778.D

Acq: 20 Sep 2018 15:40

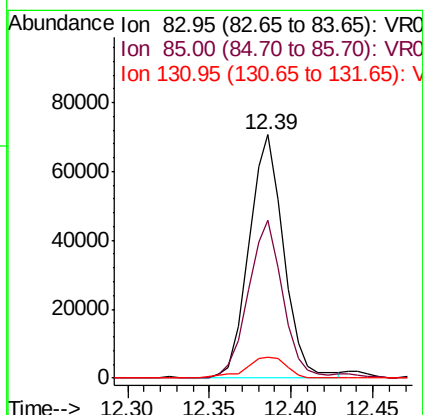
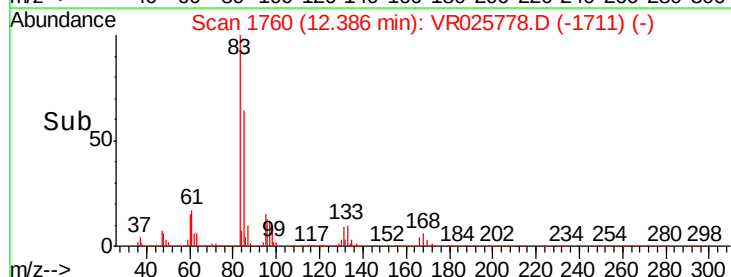
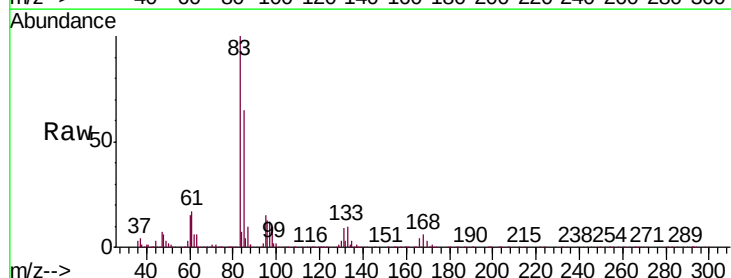
Tgt Ion: 83 Resp: 104531

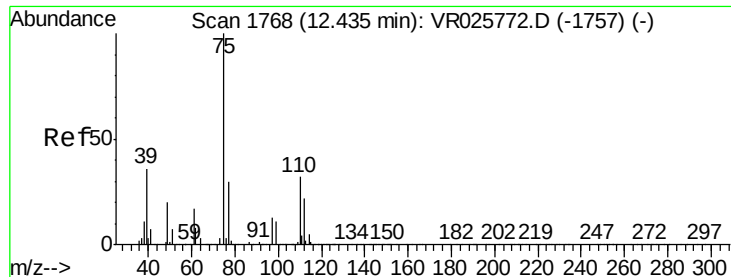
Ion Ratio Lower Upper

83 100

85 64.6 45.4 84.4

131 8.5 7.5 11.3





#59

1,2,3-Trichloropropane

Concen: 4.780 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VR025778.D

Acq: 20 Sep 2018 15:40

Instrument :

MSVOA_R

ClientSampleId :

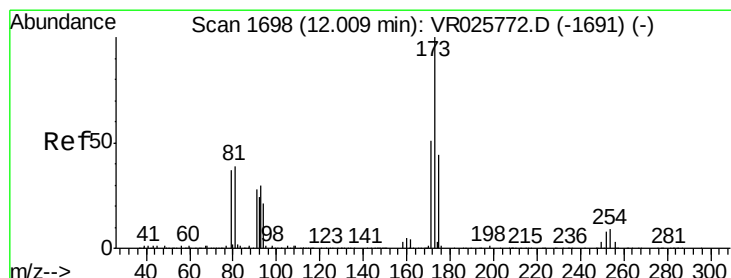
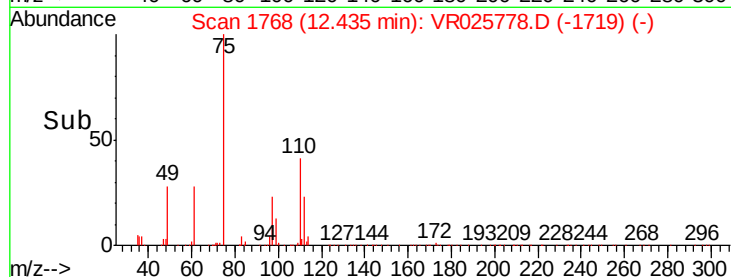
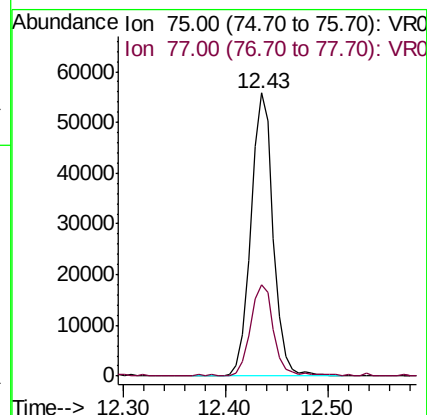
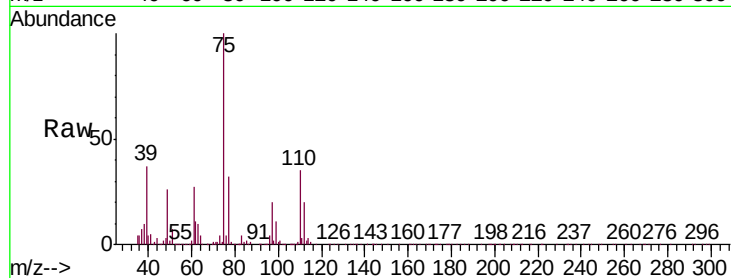
VICV16

Tgt Ion: 75 Resp: 84695

Ion Ratio Lower Upper

75 100

77 33.2 25.6 38.4



#61

Bromoform

Concen: 5.108 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VR025778.D

Acq: 20 Sep 2018 15:40

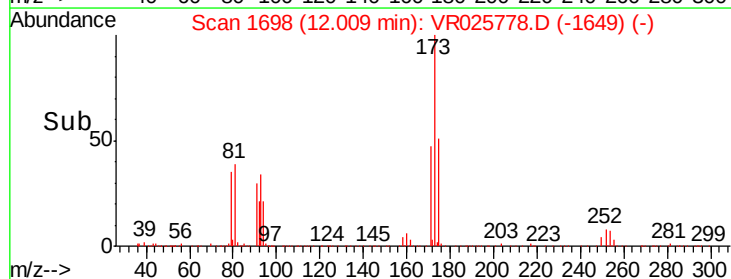
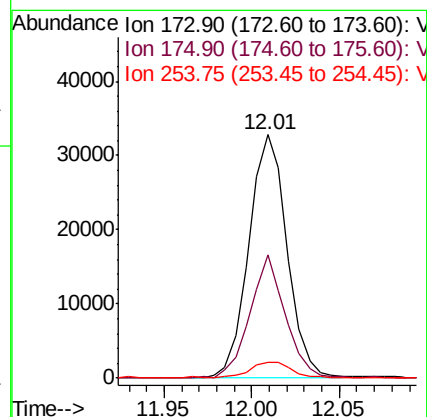
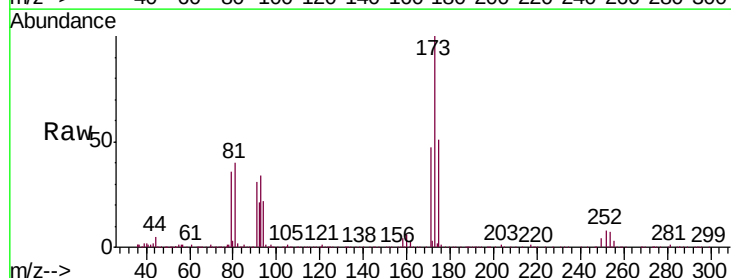
Tgt Ion: 173 Resp: 49900

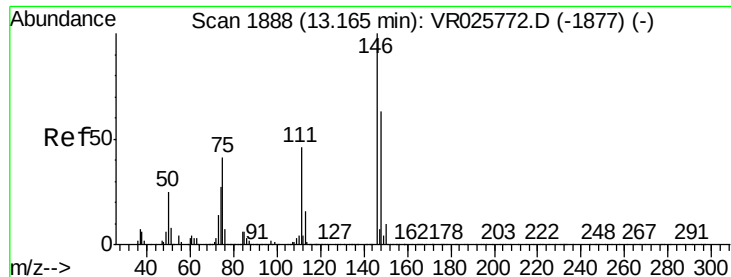
Ion Ratio Lower Upper

173 100

175 47.1 39.9 59.9

254 7.4 6.6 9.8





#62

1,3-Dichlorobenzene

Concen: 4.908 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. -0.01 min

Lab File: VR025778.D

Acq: 20 Sep 2018 15:40

Instrument :

MSVOA_R

ClientSampleId :

VICV16

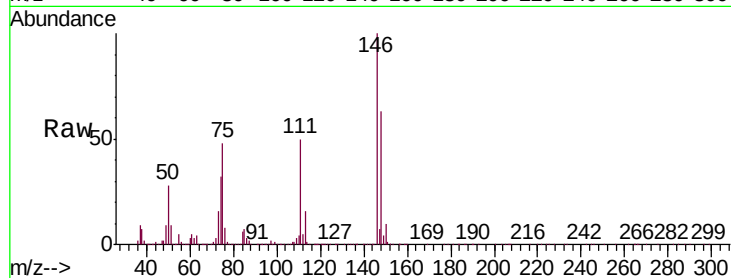
Tgt Ion:146 Resp: 359186

Ion Ratio Lower Upper

146 100

111 49.6 32.1 59.5

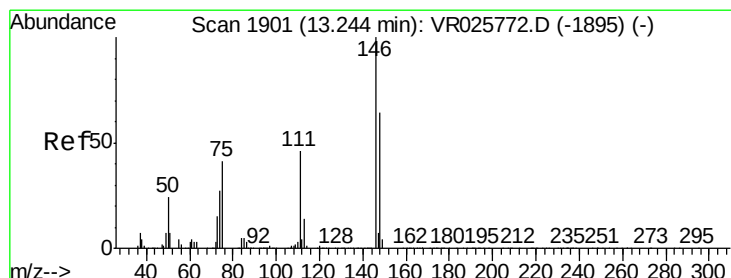
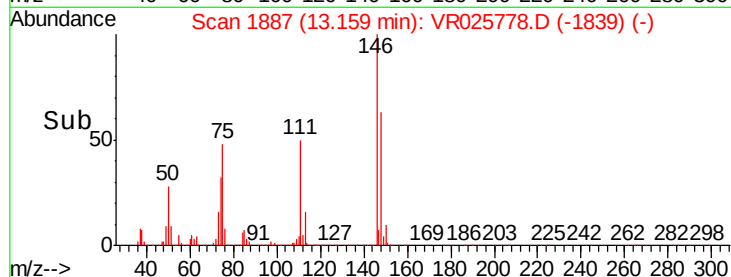
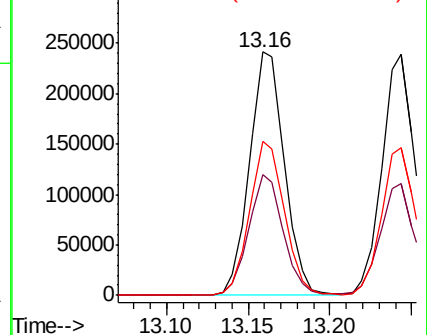
148 63.3 44.3 82.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.913 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VR025778.D

Acq: 20 Sep 2018 15:40

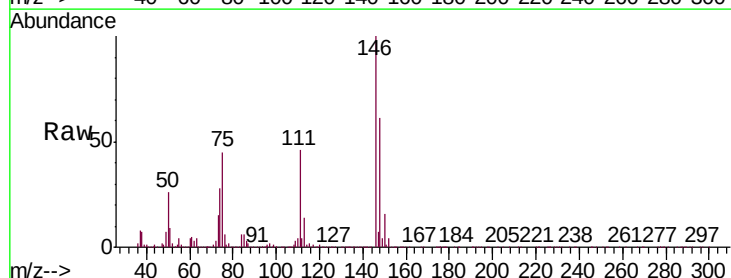
Tgt Ion:146 Resp: 338469

Ion Ratio Lower Upper

146 100

111 46.2 32.3 60.1

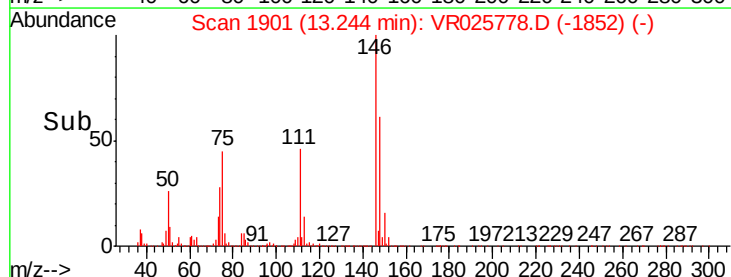
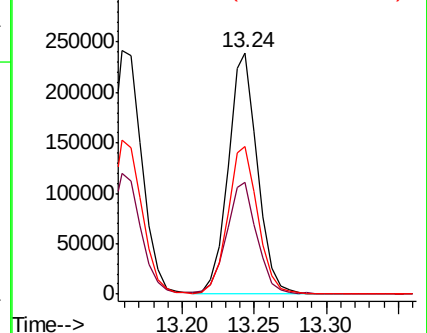
148 61.1 44.6 82.8

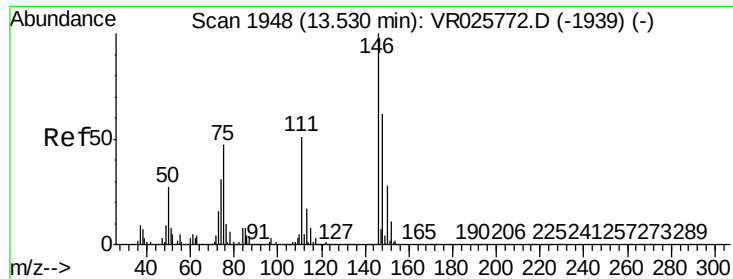


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

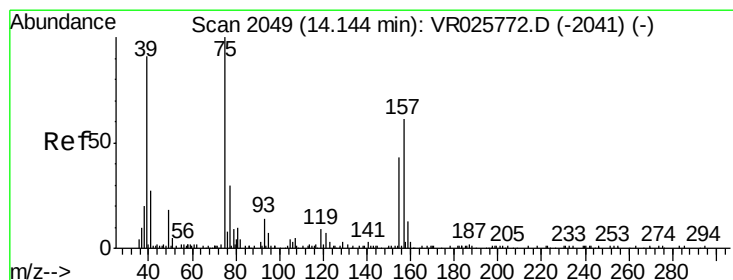
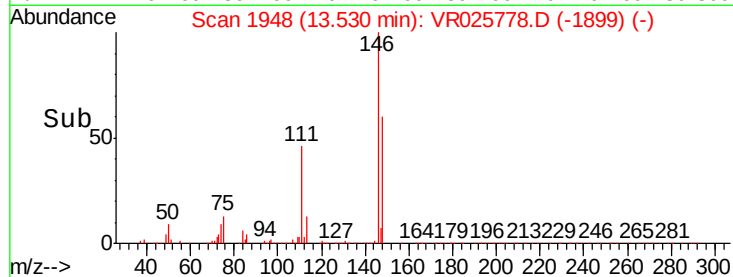
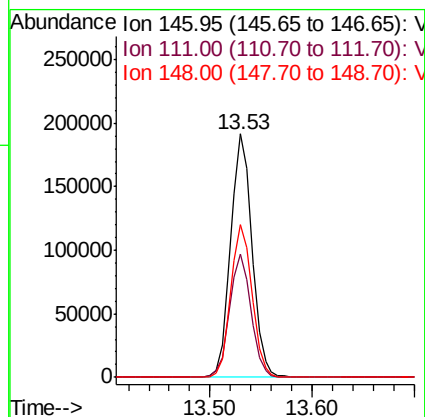
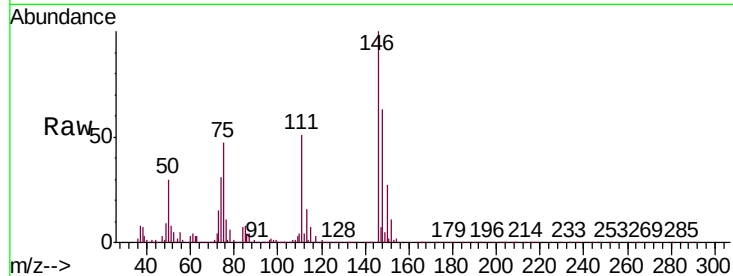




#65
 1,2-Dichlorobenzene
 Concen: 5.055 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. -0.00 min
 Lab File: VR025778.D
 Acq: 20 Sep 2018 15:40

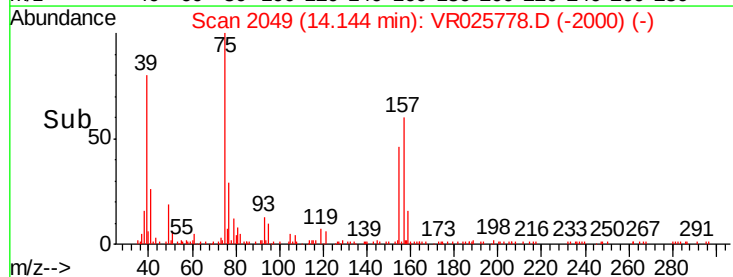
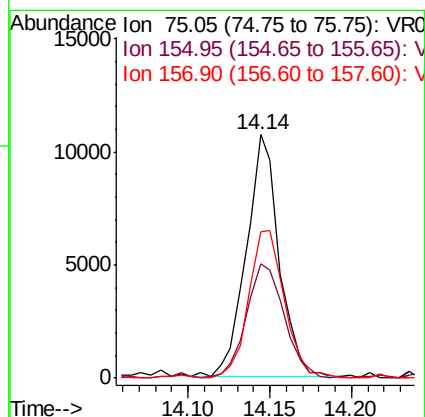
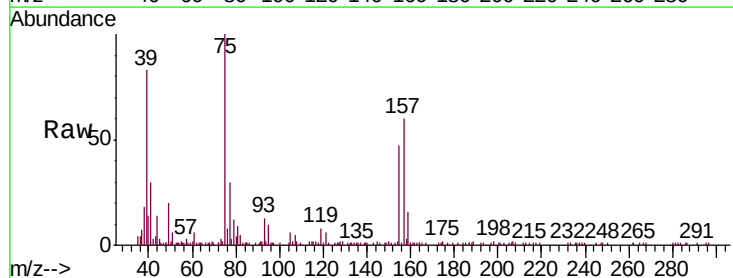
Instrument :
 MSVOA_R
 ClientSampled :
 VICV16

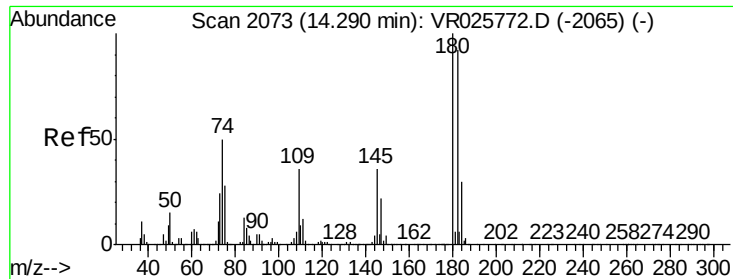
Tgt Ion: 146 Resp: 275633
 Ion Ratio Lower Upper
 146 100
 111 50.7 40.5 60.7
 148 62.5 49.7 74.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.756 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VR025778.D
 Acq: 20 Sep 2018 15:40

Tgt Ion: 75 Resp: 15056
 Ion Ratio Lower Upper
 75 100
 155 46.7 34.1 51.1
 157 60.3 49.1 73.7

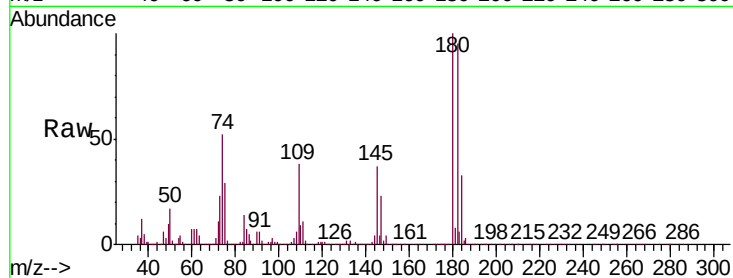




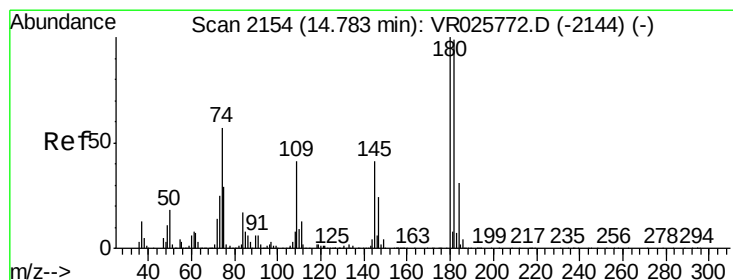
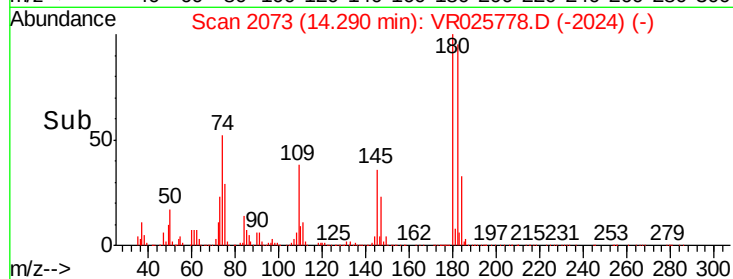
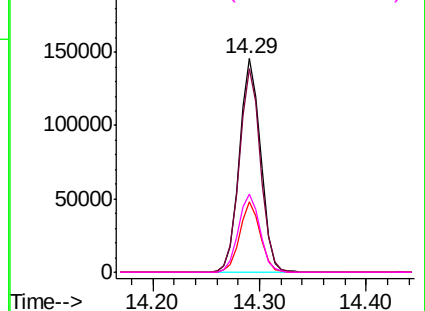
#67
 1,3,5-Trichlorobenzene
 Concen: 4.909 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR025778.D
 Acq: 20 Sep 2018 15:40

Instrument :
 MSVOA_R
 ClientSampled :
 VICV16

Tgt Ion:	180	Resp:	204418
Ion Ratio	Lower	Upper	
180	100		
182	95.0	75.7	113.5
184	31.9	24.8	37.2
145	37.0	28.5	42.7

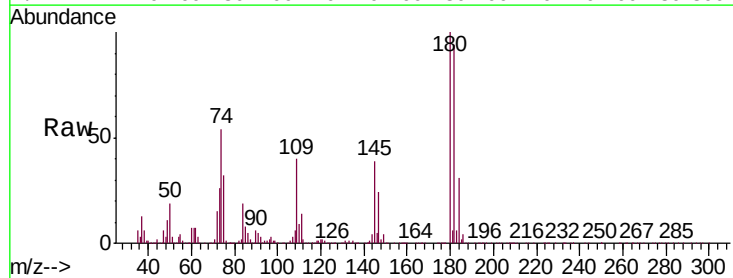


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

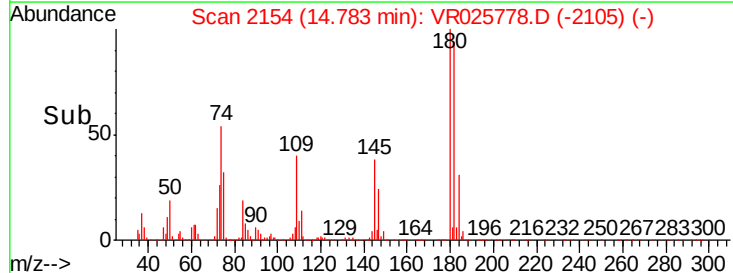
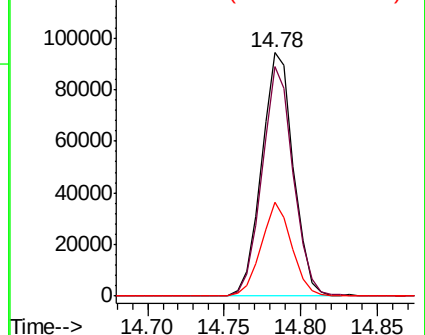


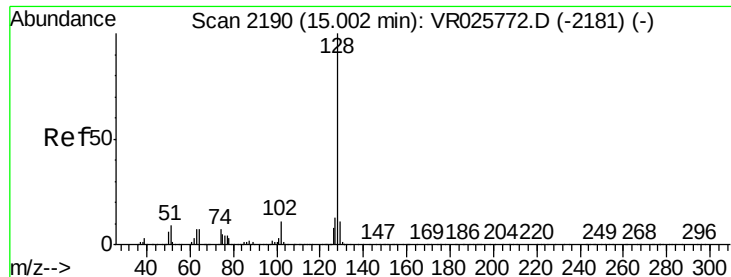
#68
 1,2,4-trichlorobenzene
 Concen: 5.003 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VR025778.D
 Acq: 20 Sep 2018 15:40

Tgt Ion:	180	Resp:	136461
Ion Ratio	Lower	Upper	
180	100		
182	92.7	76.2	114.2
145	37.2	30.2	45.2



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.144 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR025778.D

Acq: 20 Sep 2018 15:40

Instrument :

MSVOA_R

ClientSampleId :

VICV16

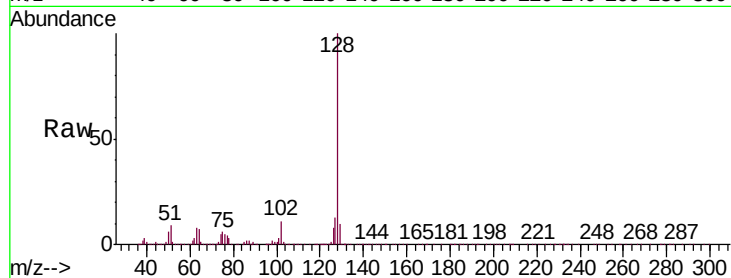
Tgt Ion:128 Resp: 209938

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

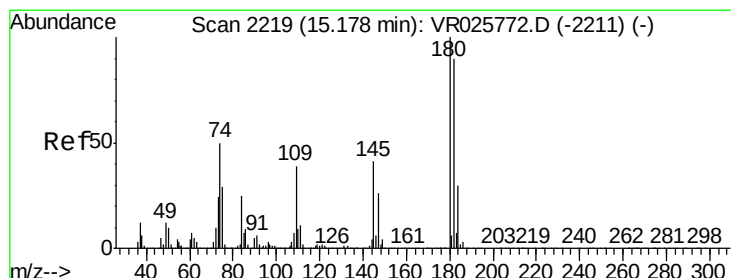
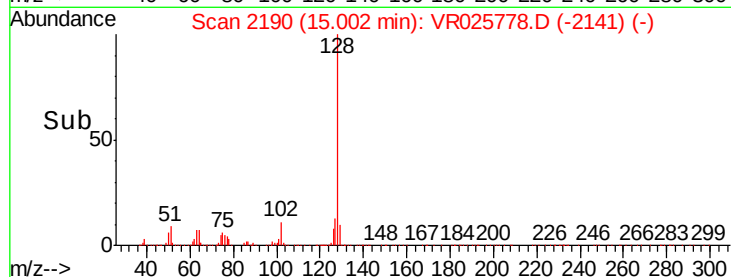
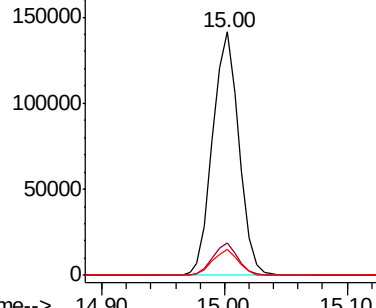
129 10.8 9.1 13.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.843 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VR025778.D

Acq: 20 Sep 2018 15:40

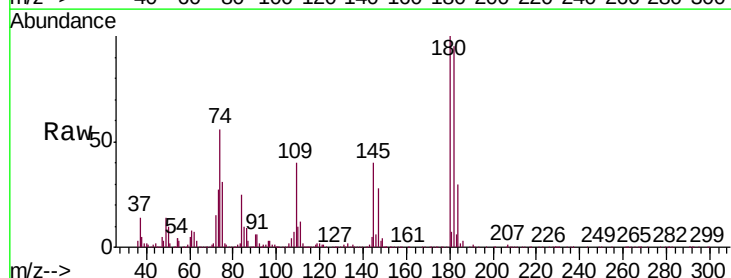
Tgt Ion:180 Resp: 94573

Ion Ratio Lower Upper

180 100

182 96.0 75.7 113.5

145 39.2 31.8 47.8



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

