

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR100118\
 Data File : VR025919.D
 Acq On : 1 Oct 2018 19:00
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00593

Quant Time: Oct 02 01:48:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 02 01:45:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	518304	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	455036	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	173316	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	163123	3.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.80%
7) Chloroethane-d5	2.63	69	149632	4.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.60%
11) 1,1-Dichloroethene-d2	3.63	63	429346	4.47	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.40%
20) 2-Butanone-d5	6.59	46	242809	53.29	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.58%
24) Chloroform-d	7.20	84	324827	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
26) 1,2-Dichloroethane-d4	7.90	65	146892	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	7.85	84	634635	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.80%
36) 1,2-Dichloropropane-d6	8.90	67	177098	4.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.80%
41) Toluene-d8	9.97	98	603496	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
43) trans-1,3-Dichloropropene-	10.24	79	42653	4.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.20%
46) 2-Hexanone-d5	10.59	63	188428	53.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.68%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	79540	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	123649	4.45	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	138754	4.404 ug/L	97
3) Chloromethane	2.01	50	203643	4.546 ug/L	98
5) Vinyl chloride	2.17	62	193138	4.332 ug/L	96
6) Bromomethane	2.52	94	122983	4.418 ug/L	96
8) Chloroethane	2.66	64	119176	4.698 ug/L	94
9) Trichlorofluoromethane	2.93	101	110826	1.790 ug/L #	86
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	182141	4.813 ug/L	97
12) 1,1-Dichloroethene	3.65	96	175903	4.496 ug/L	90
13) Acetone	3.70	43	161247	48.825 ug/L	98
14) Carbon disulfide	3.95	76	406866	4.296 ug/L	99
15) Methyl Acetate	4.19	43	42859	4.680 ug/L	97
16) Methylene chloride	4.40	84	162109	4.506 ug/L	88
17) Methyl tert-butyl Ether	4.89	73	211930	4.891 ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	144848	4.476 ug/L	91
19) 1,1-Dichloroethane	5.69	63	286689	4.475 ug/L	98
21) 2-Butanone	6.70	43	225913	49.733 ug/L	97
22) cis-1,2-Dichloroethene	6.68	96	145211	4.460 ug/L #	99

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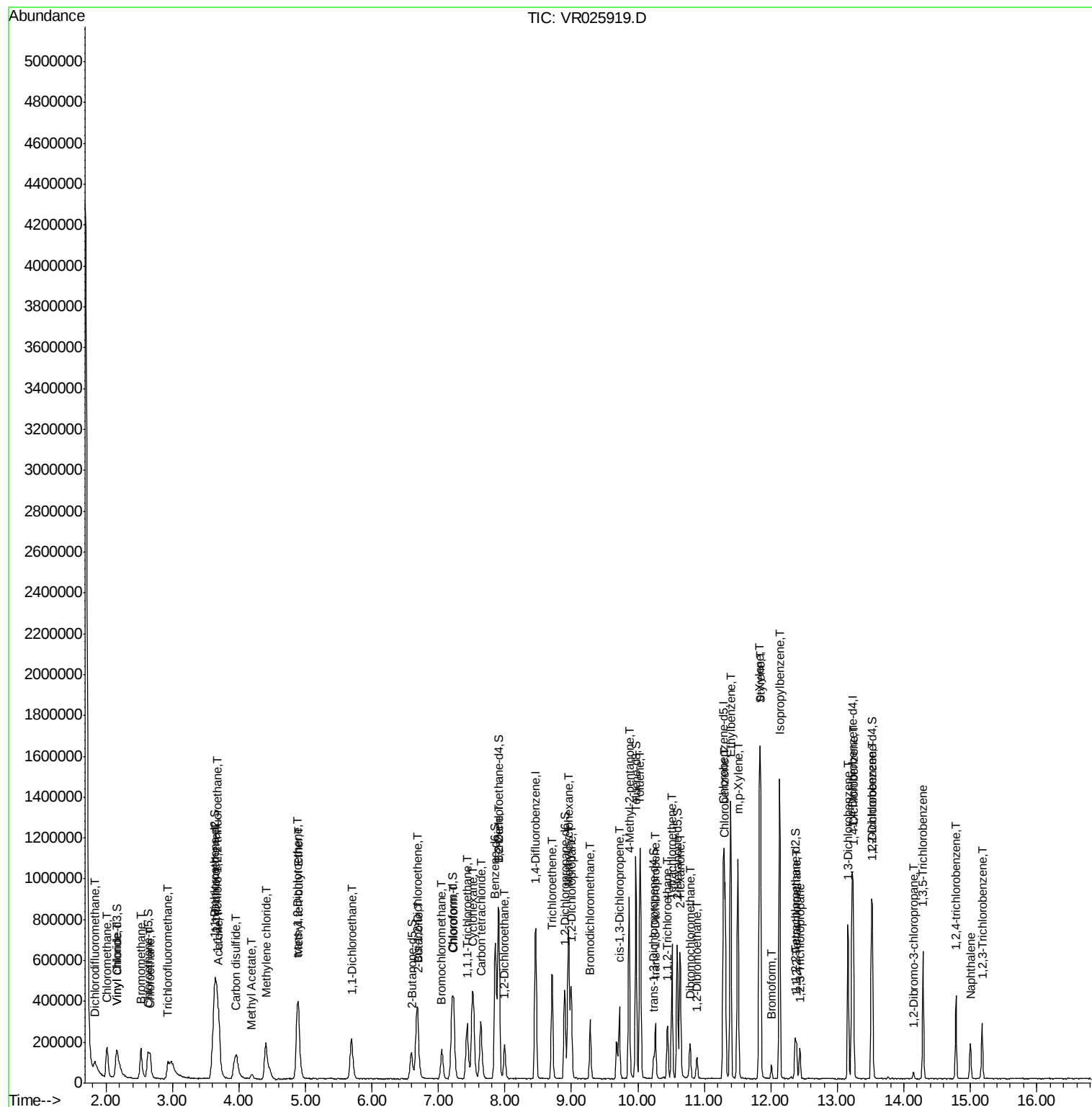
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	40603	4.597	ug/L	97
25) Chloroform	7.23	83	284027	4.553	ug/L	94
27) 1,2-Dichloroethane	7.99	62	149681	4.808	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	227157	4.439	ug/L	97
30) Cyclohexane	7.51	56	271986	4.254	ug/L	98
31) Carbon tetrachloride	7.63	117	203013	4.581	ug/L	97
33) Benzene	7.91	78	661270	4.333	ug/L	100
34) Trichloroethene	8.71	95	168911	4.200	ug/L	98
35) Methylcyclohexane	8.96	83	262098	4.335	ug/L	97
37) 1,2-Dichloropropane	9.00	63	144546	4.415	ug/L #	98
38) Bromodichloromethane	9.28	83	158355	4.483	ug/L #	90
39) cis-1,3-Dichloropropene	9.72	75	173896	4.737	ug/L	91
40) 4-Methyl-2-pentanone	9.87	43	572495	49.726	ug/L	97
42) Toluene	10.04	91	706065	4.452	ug/L	98
44) trans-1,3-Dichloropropene	10.26	75	121910	5.086	ug/L	94
45) 1,1,2-Trichloroethane	10.45	97	63927	4.316	ug/L	96
47) Tetrachloroethene	10.51	164	105897	4.273	ug/L	95
48) 2-Hexanone	10.63	43	382569	50.752	ug/L	97
49) Dibromochloromethane	10.79	129	70467	4.688	ug/L	98
50) 1,2-Dibromoethane	10.89	107	58574	5.012	ug/L #	86
51) Chlorobenzene	11.32	112	377711	4.490	ug/L	92
52) Ethylbenzene	11.39	91	815816	4.507	ug/L	99
53) m,p-Xylene	11.50	106	296596	4.603	ug/L	91
54) o-Xylene	11.83	106	270557	4.510	ug/L	97
55) Styrene	11.84	104	439355	4.706	ug/L	95
56) Isopropylbenzene	12.13	105	768062	4.642	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	67615	4.738	ug/L	95
59) 1,2,3-Trichloropropane	12.43	75	50201	4.727	ug/L	99
61) Bromoform	12.01	173	23991	4.579	ug/L #	94
62) 1,3-Dichlorobenzene	13.16	146	228622	4.513	ug/L	96
63) 1,4-Dichlorobenzene	13.24	146	229629	4.431	ug/L	93
65) 1,2-Dichlorobenzene	13.53	146	185213	4.551	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.14	75	7221	4.220	ug/L #	84
67) 1,3,5-Trichlorobenzene	14.29	180	135546	4.492	ug/L	97
68) 1,2,4-trichlorobenzene	14.78	180	84219	4.379	ug/L	97
69) Naphthalene	15.00	128	112465	4.582	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	61688	4.623	ug/L	97

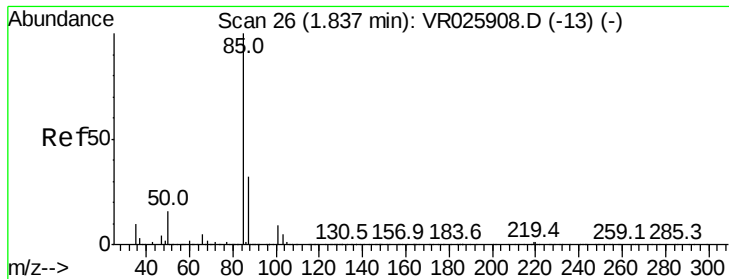
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#2

Dichlorodifluoromethane

Concen: 4.404 ug/L

RT: 1.83 min Scan# 25

Delta R.T. -0.01 min

Lab File: VR025919.D

Acq: 1 Oct 2018 19:00

Instrument :

MSVOA_R

ClientSampleId :

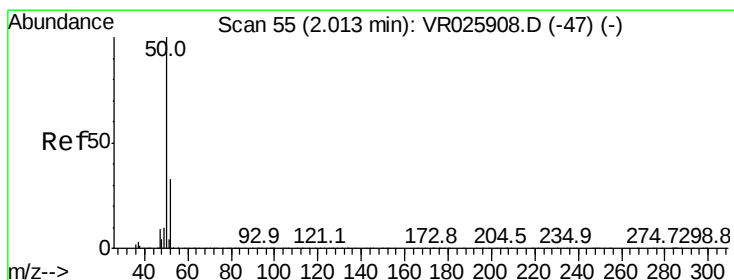
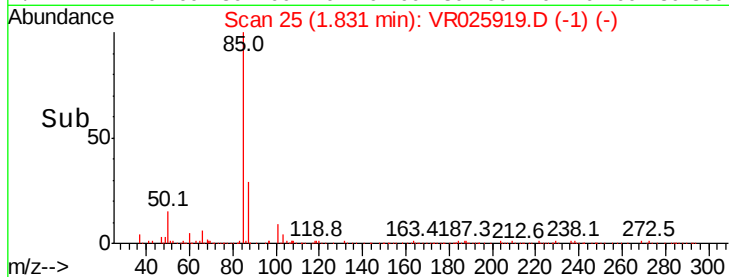
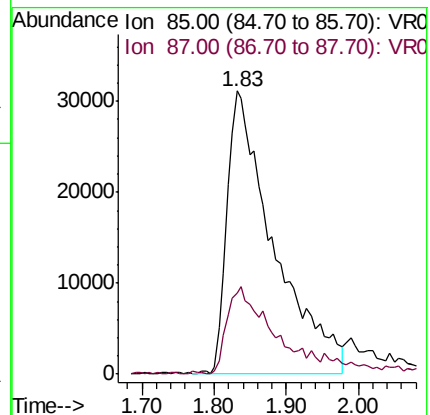
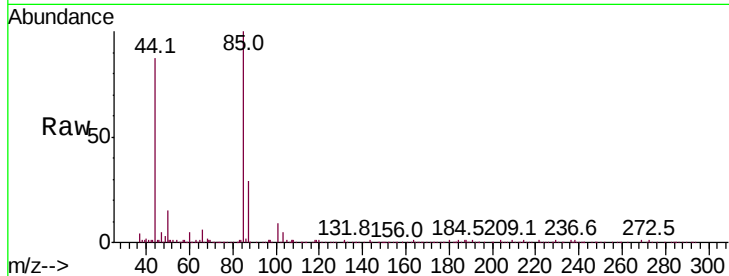
VSTD00593

Tot Ion: 85 Resp: 138754

Ion Ratio Lower Upper

85 100

87 29.7 25.1 37.7



#3

Chloromethane

Concen: 4.546 ug/L

RT: 2.01 min Scan# 55

Delta R.T. 0.00 min

Lab File: VR025919.D

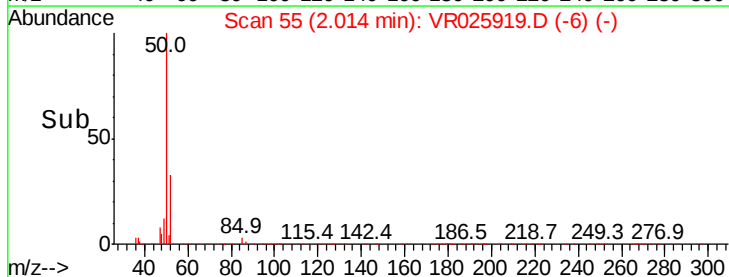
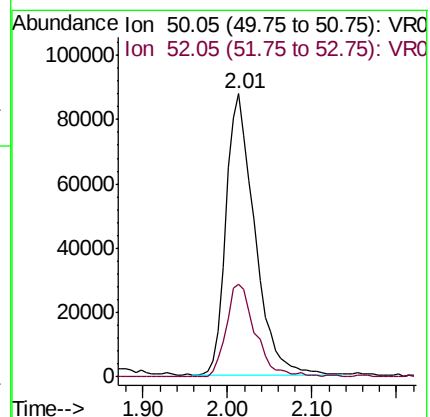
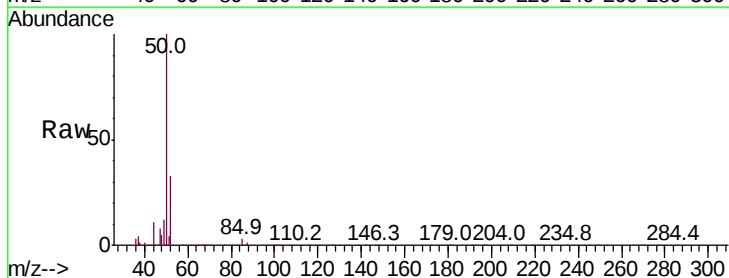
Acq: 1 Oct 2018 19:00

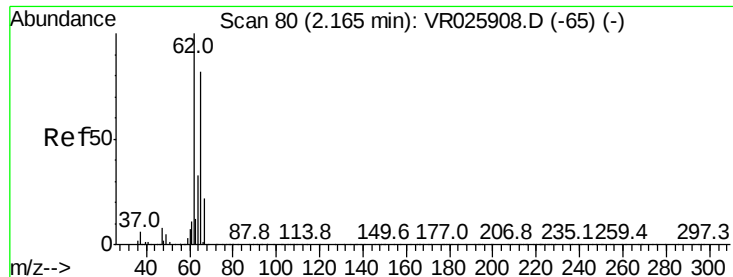
Tgt Ion: 50 Resp: 203643

Ion Ratio Lower Upper

50 100

52 32.9 22.1 41.1





#5

Vinyl chloride

Concen: 4.332 ug/L

RT: 2.17 min Scan# 80

Delta R.T. 0.00 min

Lab File: VR025919.D

Acq: 1 Oct 2018 19:00

Instrument :

MSVOA_R

ClientSampleId :

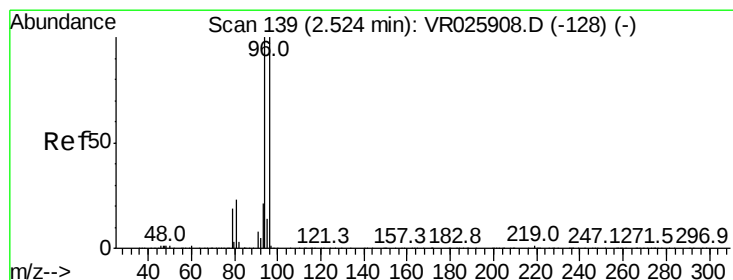
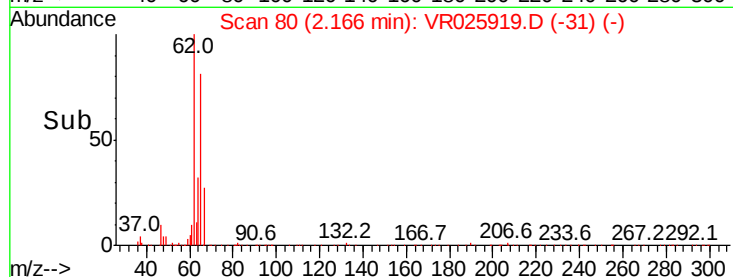
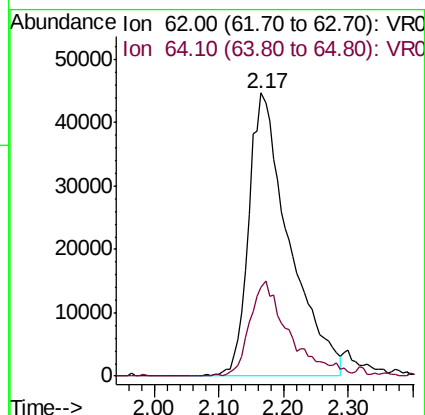
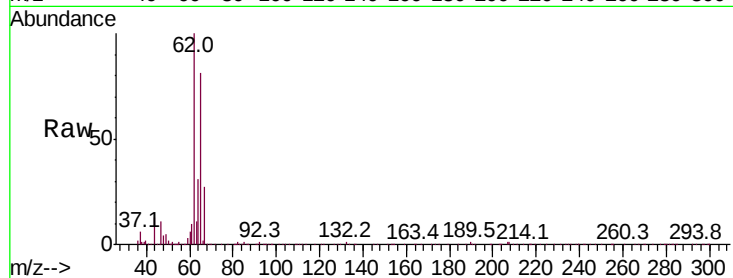
VSTD00593

Tot Ion: 62 Resp: 193138

Ion Ratio Lower Upper

62 100

64 31.5 23.5 43.7



#6

Bromomethane

Concen: 4.418 ug/L

RT: 2.52 min Scan# 139

Delta R.T. 0.00 min

Lab File: VR025919.D

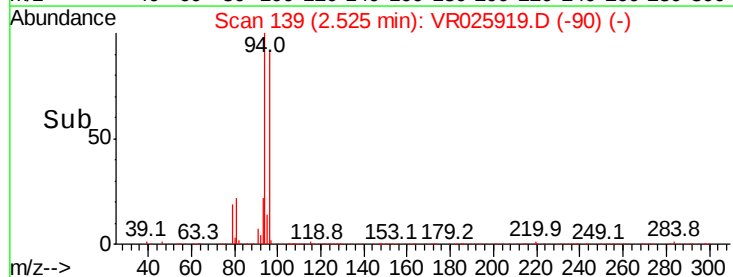
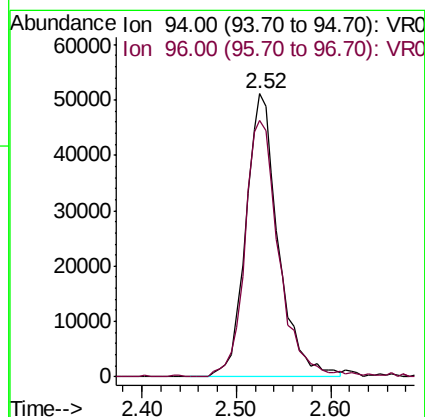
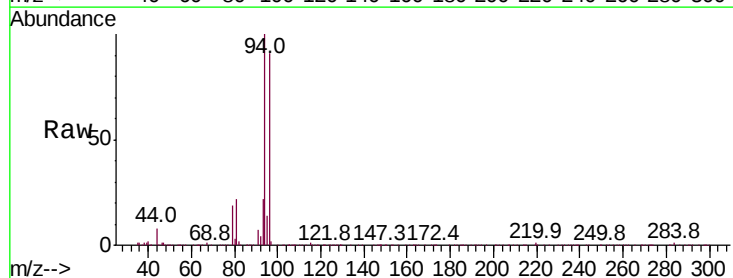
Acq: 1 Oct 2018 19:00

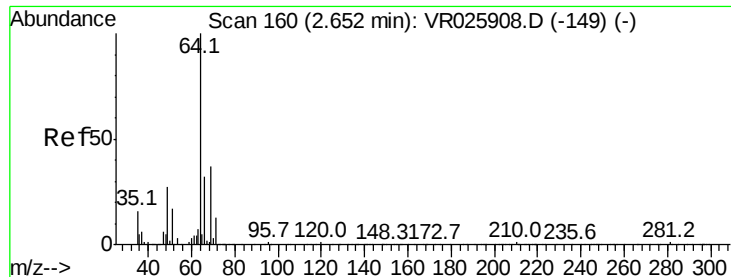
Tgt Ion: 94 Resp: 122983

Ion Ratio Lower Upper

94 100

96 90.7 66.1 122.8





#8

Chloroethane

Concen: 4.698 ug/L

RT: 2.66 min Scan# 162

Delta R.T. 0.01 min

Lab File: VR025919.D

Acq: 1 Oct 2018 19:00

Instrument :

MSVOA_R

ClientSampleId :

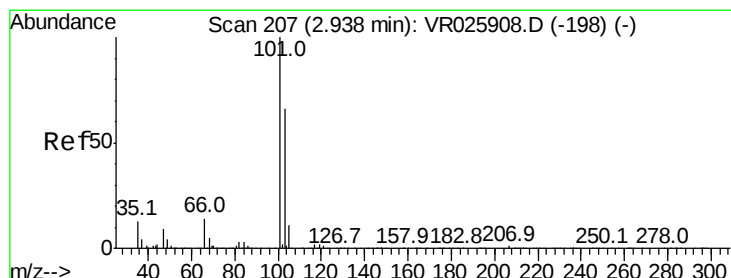
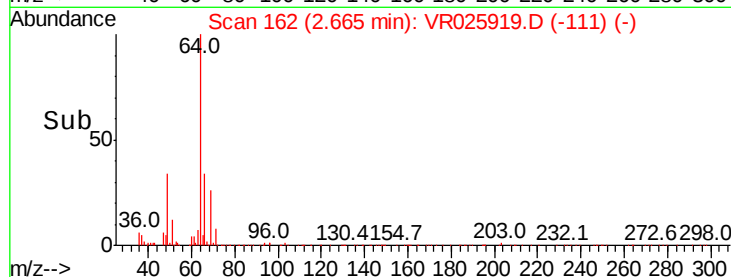
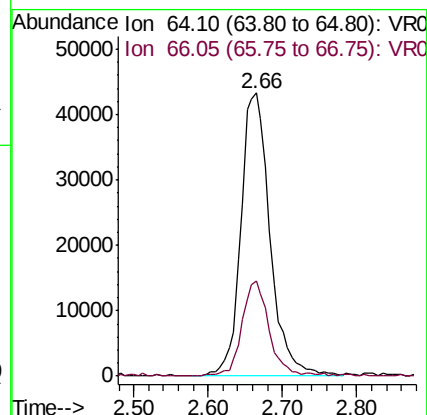
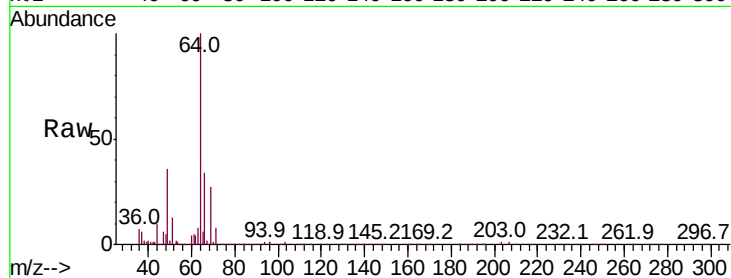
VSTD00593

Tot Ion: 64 Resp: 119176

Ion Ratio Lower Upper

64 100

66 33.6 21.3 39.5



#9

Trichlorofluoromethane

Concen: 1.790 ug/L

RT: 2.93 min Scan# 205

Delta R.T. -0.01 min

Lab File: VR025919.D

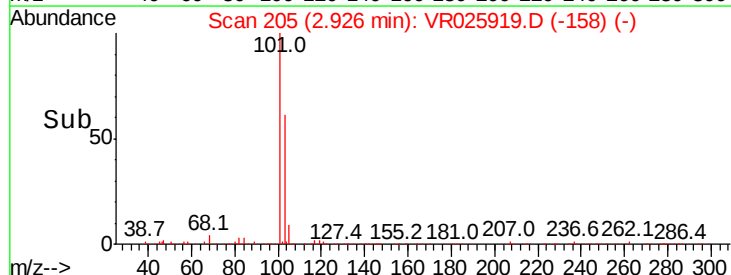
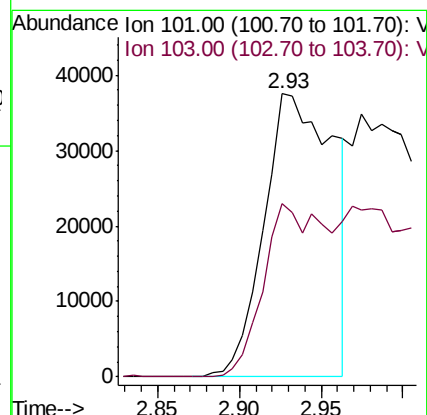
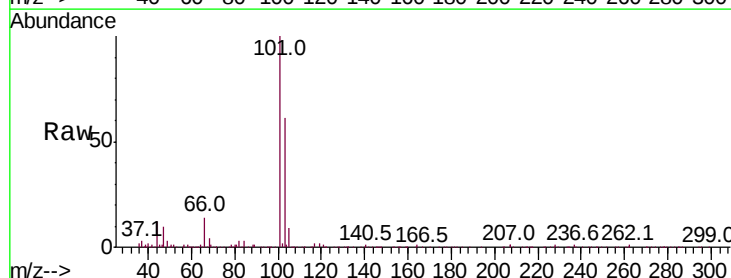
Acq: 1 Oct 2018 19:00

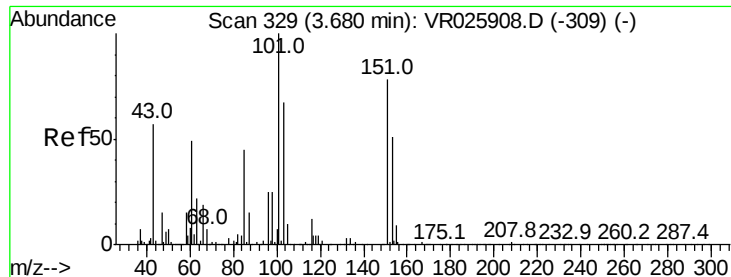
Tgt Ion: 101 Resp: 110826

Ion Ratio Lower Upper

101 100

103 34.8 22.1 33.1#





#10

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

Concen: 4.813 ug/L

RT: 3.68 min Scan# 329

Delta R.T. 0.00 min

Lab File: VR025919.D

Acq: 1 Oct 2018 19:00

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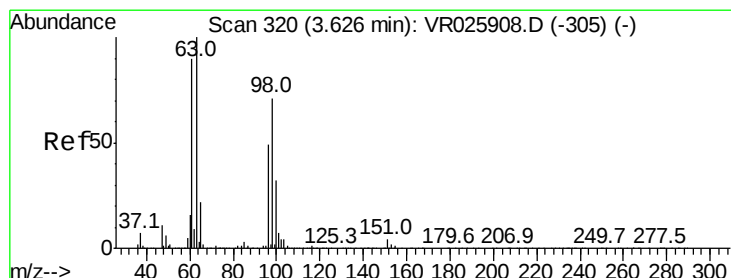
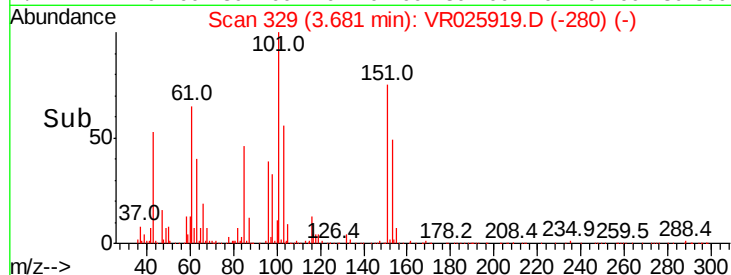
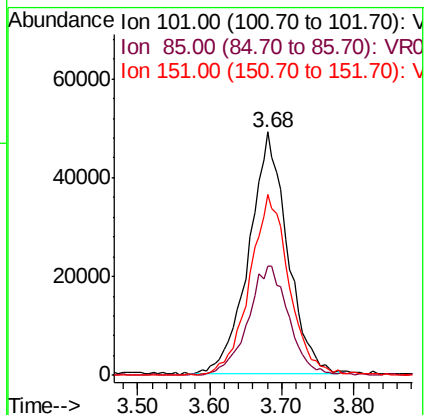
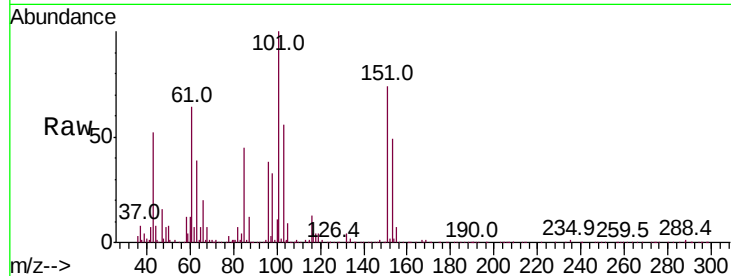
Tot Ion:101 Resp: 182141

Ion Ratio Lower Upper

101 100

85 47.3 38.2 57.4

151 76.4 58.4 87.6



#12

1,1-Dichloroethene

Concen: 4.496 ug/L

RT: 3.65 min Scan# 324

Delta R.T. 0.02 min

Lab File: VR025919.D

Acq: 1 Oct 2018 19:00

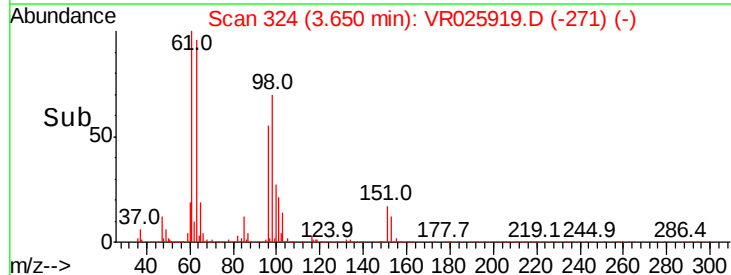
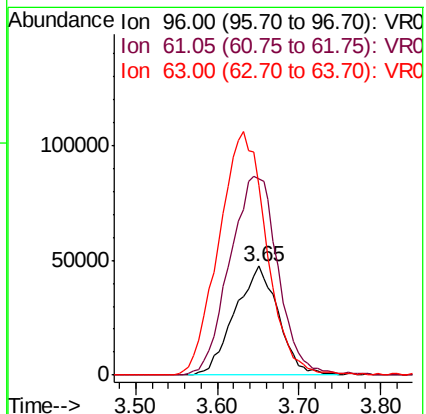
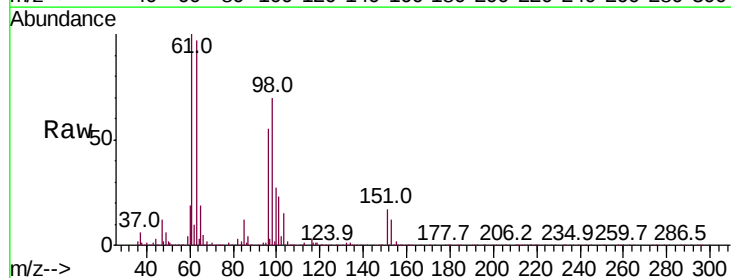
Tgt Ion: 96 Resp: 175903

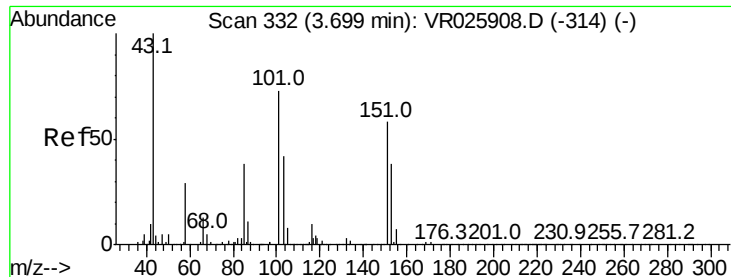
Ion Ratio Lower Upper

96 100

61 180.6 145.0 269.4

63 174.4 123.8 230.0





#13

Acetone

Concen: 48.825 ug/L

RT: 3.70 min Scan# 332

Delta R.T. 0.00 min

Lab File: VR025919.D

Acq: 1 Oct 2018 19:00

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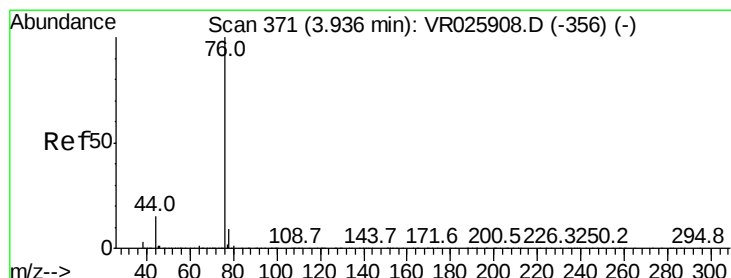
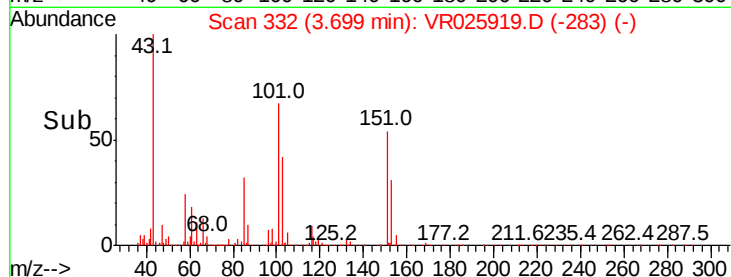
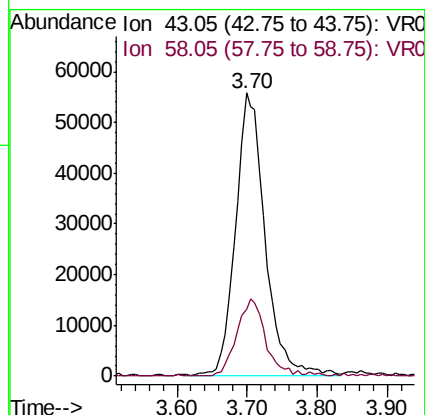
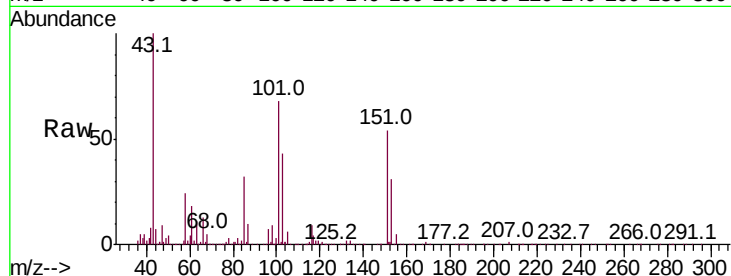
VSTD00593

Tot Ion: 43 Resp: 161247

Ion Ratio Lower Upper

43 100

58 26.9 0.0 51.4



#14

Carbon disulfide

Concen: 4.296 ug/L

RT: 3.95 min Scan# 374

Delta R.T. 0.02 min

Lab File: VR025919.D

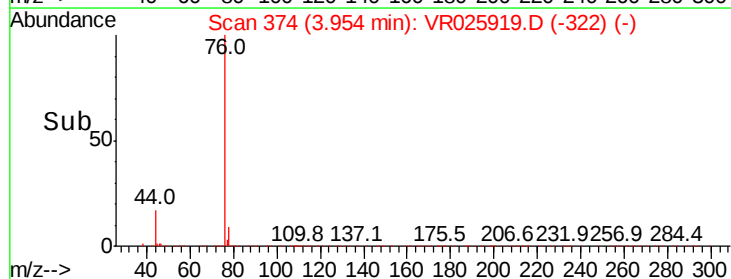
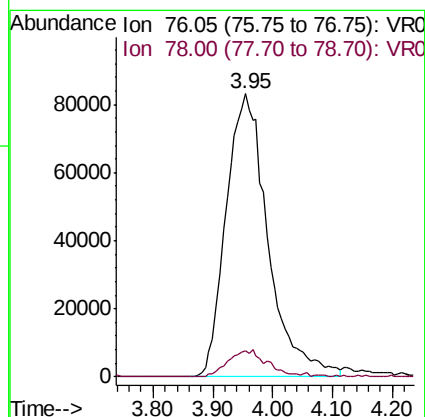
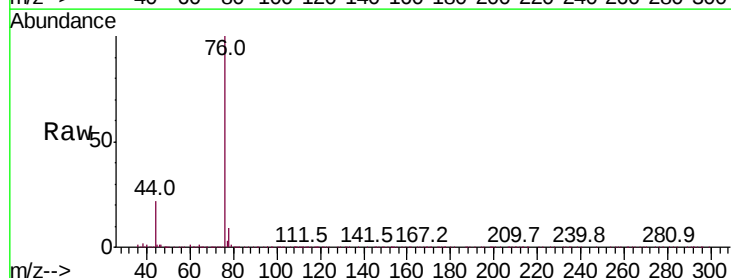
Acq: 1 Oct 2018 19:00

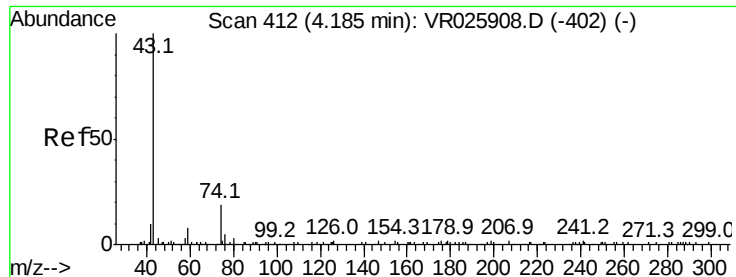
Tgt Ion: 76 Resp: 406866

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.6

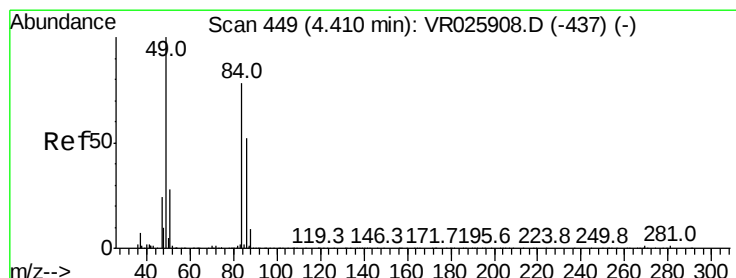
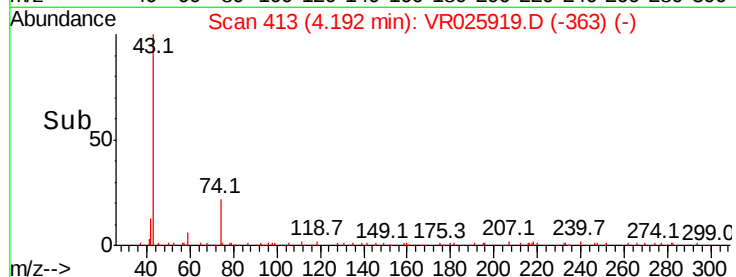
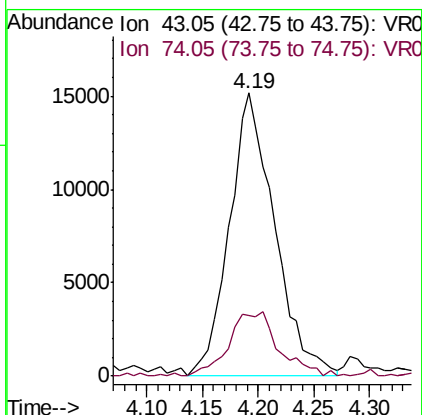
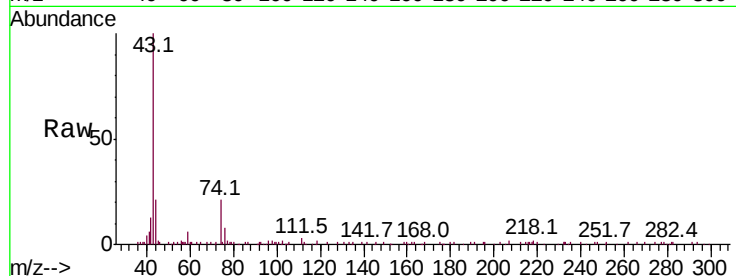




#15
Methyl Acetate
Concen: 4.680 ug/L
RT: 4.19 min Scan# 413
Delta R.T. 0.01 min
Lab File: VR025919.D
Acq: 1 Oct 2018 19:00

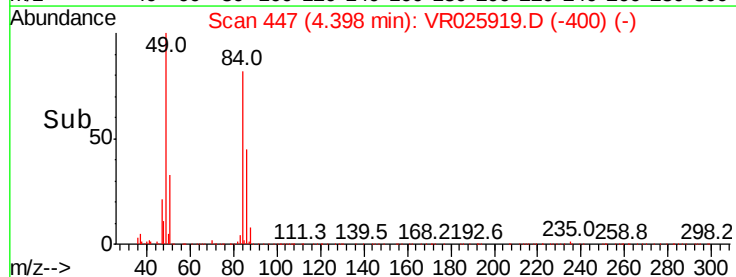
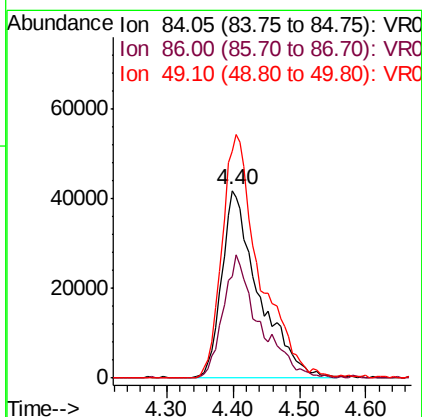
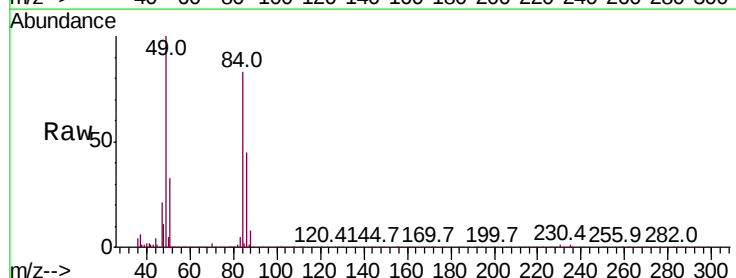
Instrument :
MSVOA_R
ClientSampleId :
VSTD00593

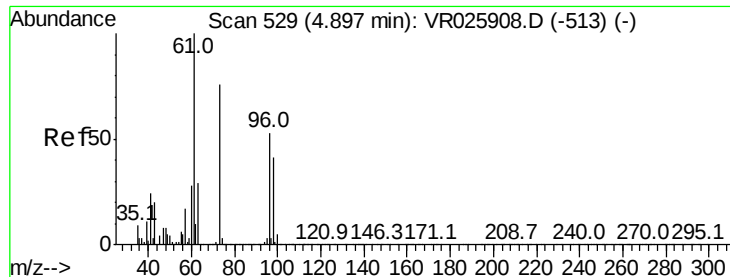
Tot Ion: 43 Resp: 42859
Ion Ratio Lower Upper
43 100
74 25.2 19.0 28.4



#16
Methylene chloride
Concen: 4.506 ug/L
RT: 4.40 min Scan# 447
Delta R.T. -0.01 min
Lab File: VR025919.D
Acq: 1 Oct 2018 19:00

Tgt Ion: 84 Resp: 162109
Ion Ratio Lower Upper
84 100
86 54.1 43.1 80.1
49 121.1 95.5 177.3

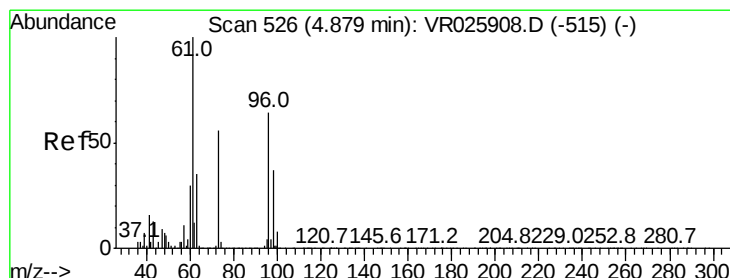
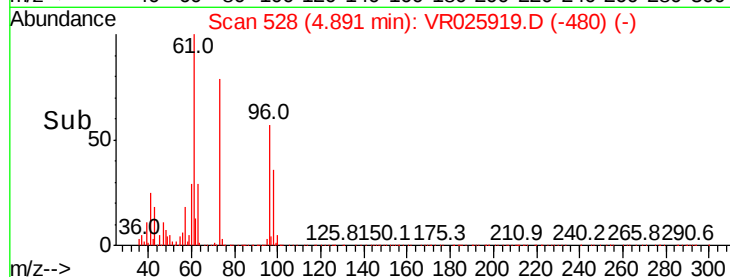
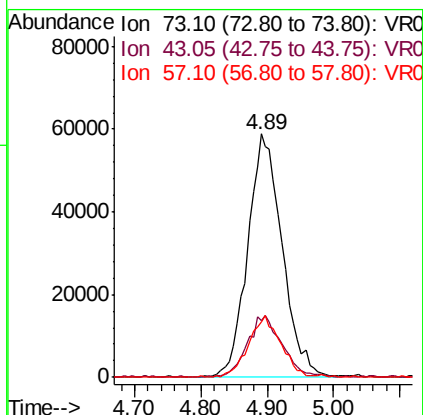
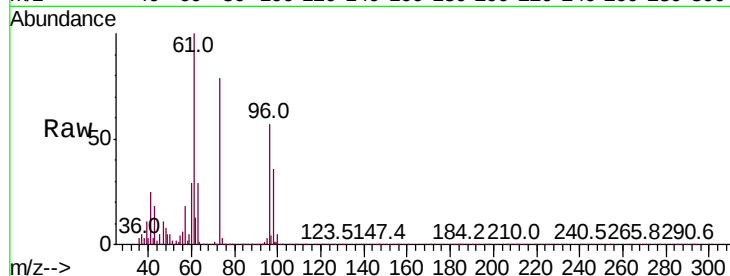




#17
Methvl tert-butvl Ether
Concen: 4.891 ug/L
RT: 4.89 min Scan# 528
Delta R.T. -0.01 min
Lab File: VR025919.D
Acq: 1 Oct 2018 19:00

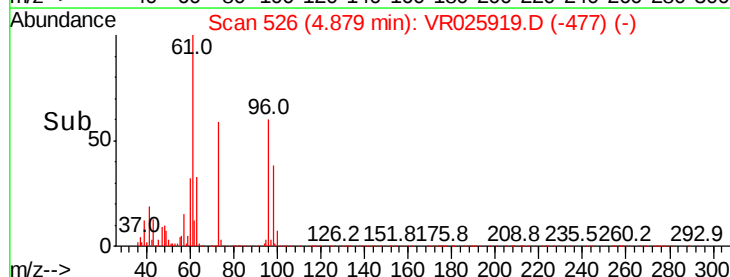
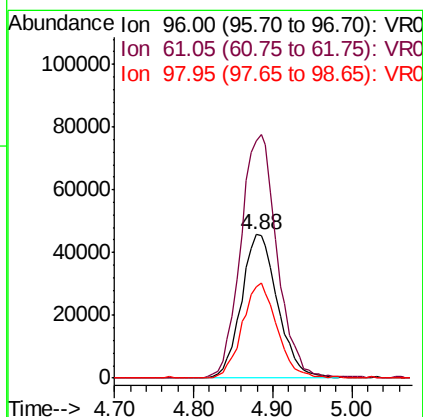
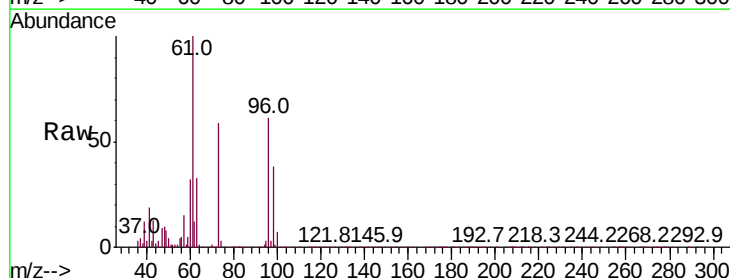
Instrument :
MSVOA_R
ClientSampleId :
VSTD00593

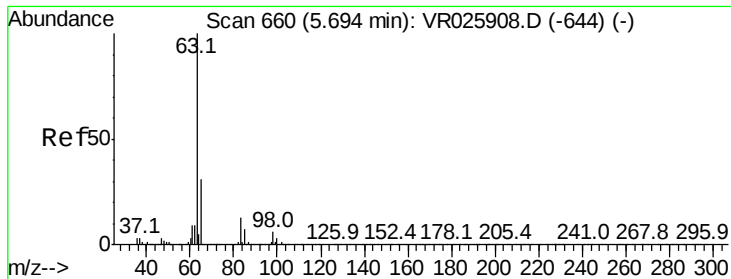
Tot Ion:	73	Resp:	211930
Ion	Ratio	Lower	Upper
73	100		
43	26.0	19.8	29.8
57	23.5	17.9	26.9



#18
trans-1,2-Dichloroethene
Concen: 4.476 ug/L
RT: 4.88 min Scan# 526
Delta R.T. 0.00 min
Lab File: VR025919.D
Acq: 1 Oct 2018 19:00

Tgt Ion:	96	Resp:	144848
Ion	Ratio	Lower	Upper
96	100		
61	165.1	127.4	236.6
98	63.2	43.8	81.3





#19

1,1-Dichloroethane

Concen: 4.475 ug/L

RT: 5.69 min Scan# 660

Delta R.T. 0.00 min

Lab File: VR025919.D

Acq: 1 Oct 2018 19:00

Instrument :

MSVOA_R

ClientSampleId :

VSTD00593

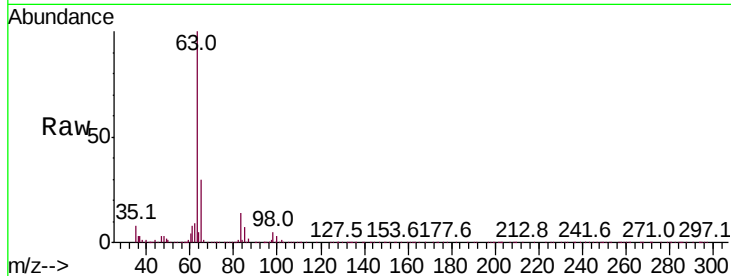
Tot Ion: 63 Resp: 286689

Ion Ratio Lower Upper

63 100

65 29.7 21.1 39.1

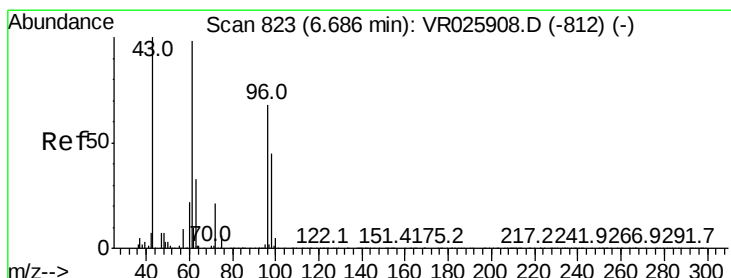
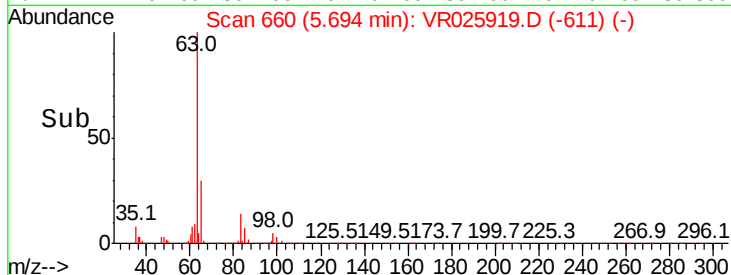
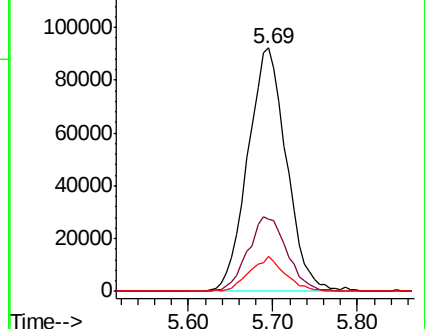
83 14.2 8.9 16.5



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 65.10 (64.80 to 65.80): VR0

Ion 83.05 (82.75 to 83.75): VR0



#21

2-Butanone

Concen: 49.733 ug/L

RT: 6.70 min Scan# 825

Delta R.T. 0.01 min

Lab File: VR025919.D

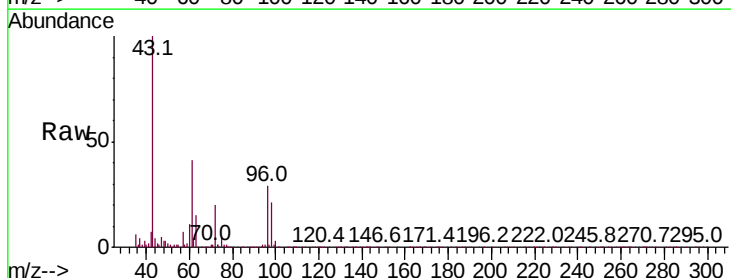
Acq: 1 Oct 2018 19:00

Tgt Ion: 43 Resp: 225913

Ion Ratio Lower Upper

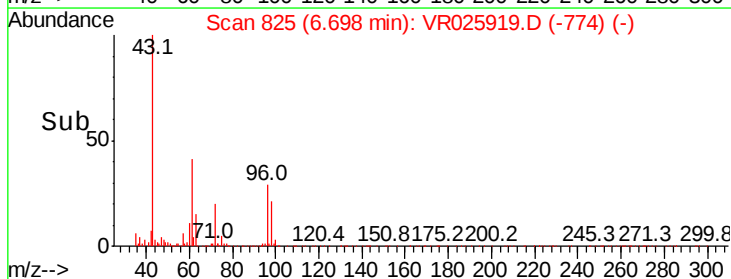
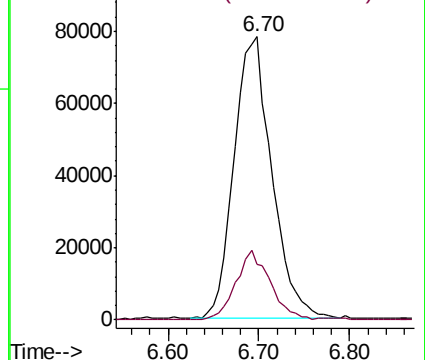
43 100

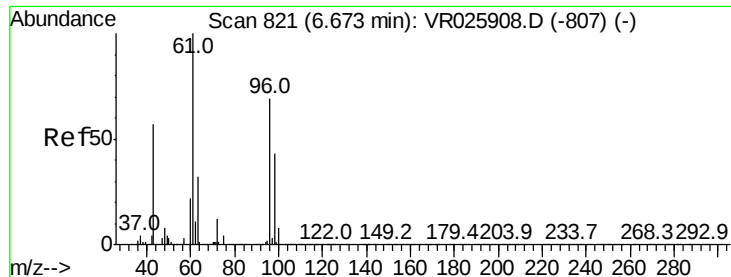
72 22.5 11.9 35.7



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 72.10 (71.80 to 72.80): VR0





#22

cis-1,2-Dichloroethene

Concen: 4.460 ug/L

RT: 6.68 min Scan# 822

Delta R.T. 0.01 min

Lab File: VR025919.D

Acq: 1 Oct 2018 19:00

Instrument :

MSVOA_R

ClientSampleId :

VSTD00593

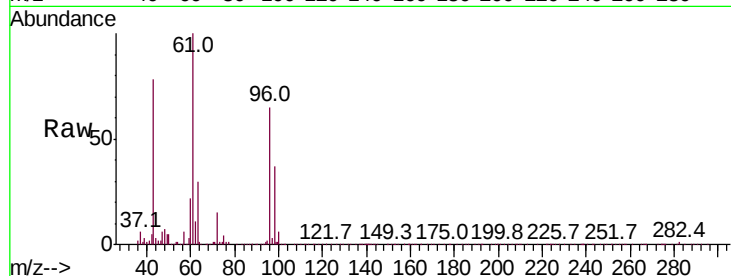
Tot Ion: 96 Resp: 145211

Ion Ratio Lower Upper

96 100

61 153.4 108.7 201.9

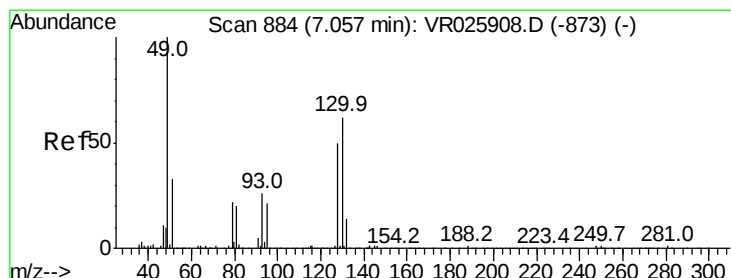
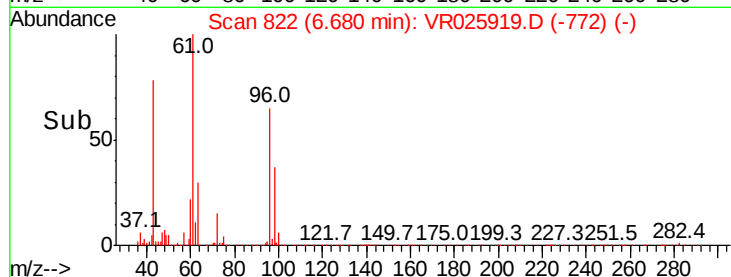
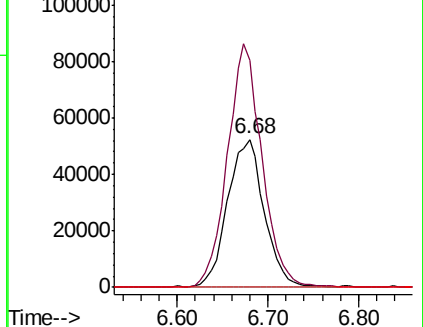
68 0.4 0.1 0.1#



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: 4.597 ug/L

RT: 7.05 min Scan# 883

Delta R.T. -0.01 min

Lab File: VR025919.D

Acq: 1 Oct 2018 19:00

Tgt Ion: 128 Resp: 40603

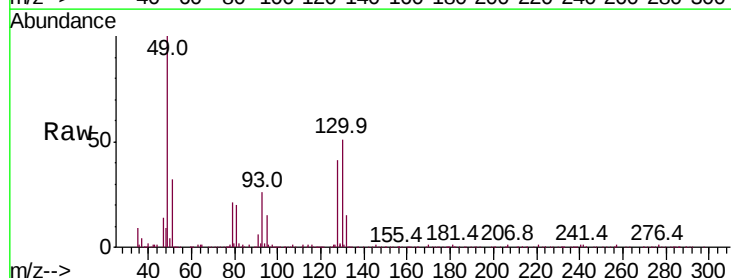
Ion Ratio Lower Upper

128 100

49 241.0 175.0 325.0

130 122.9 85.6 159.0

51 77.6 62.2 93.2

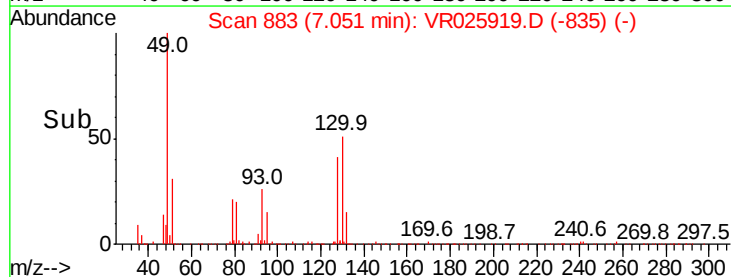
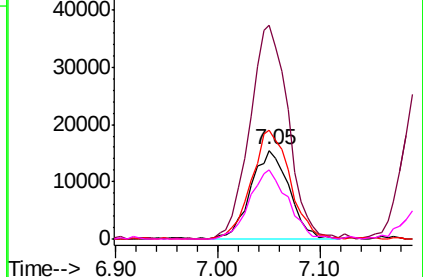


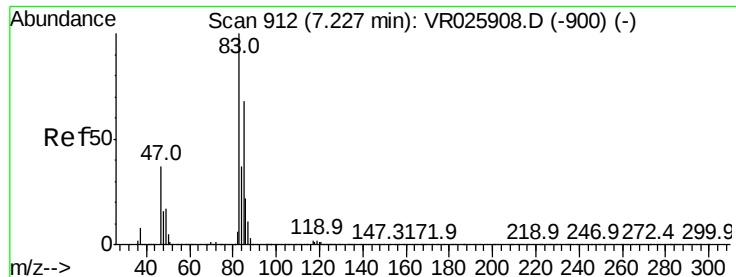
Abundance Ion 127.90 (127.60 to 128.60): V

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: 4.553 ug/L

RT: 7.23 min Scan# 912

Delta R.T. 0.00 min

Lab File: VR025919.D

Acq: 1 Oct 2018 19:00

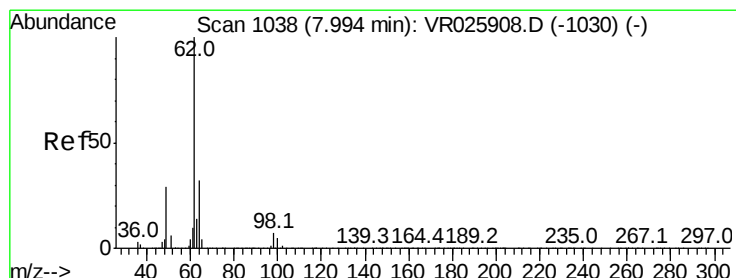
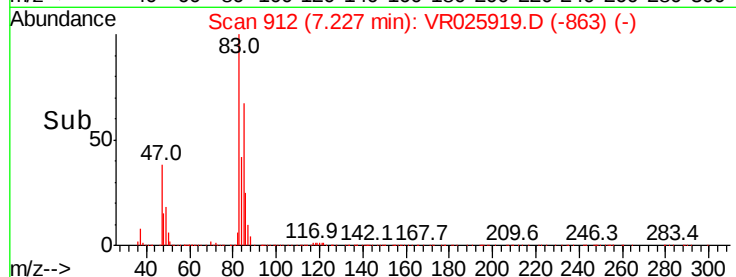
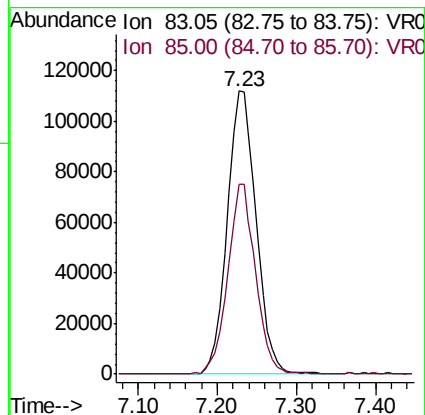
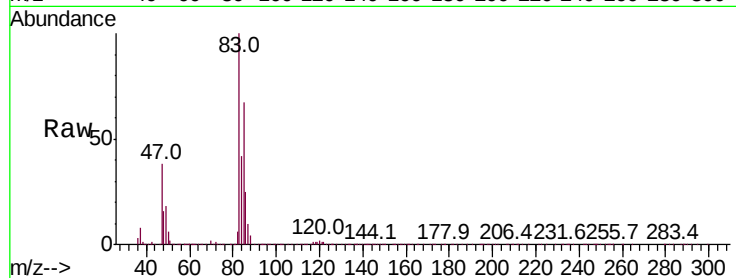
Instrument :
MSVOA_R
ClientSampleId :
VSTD00593

Tot Ion: 83 Resp: 284027

Ion Ratio Lower Upper

83 100

85 67.3 43.8 81.4



#27

1,2-Dichloroethane

Concen: 4.808 ug/L

RT: 7.99 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VR025919.D

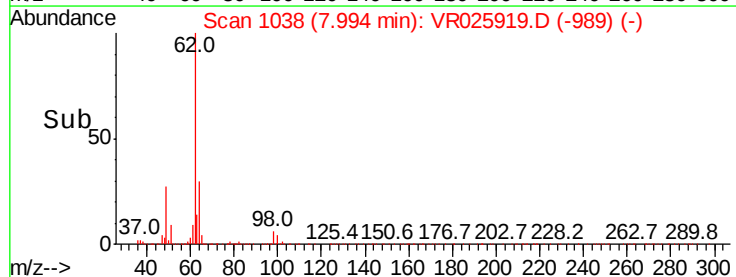
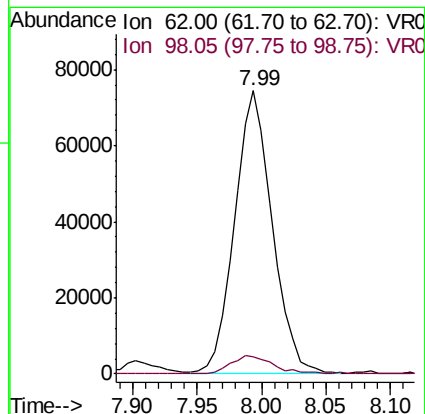
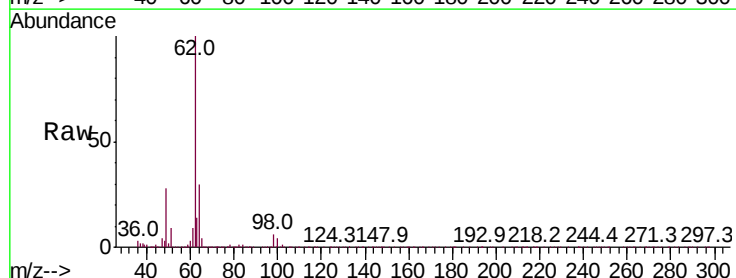
Acq: 1 Oct 2018 19:00

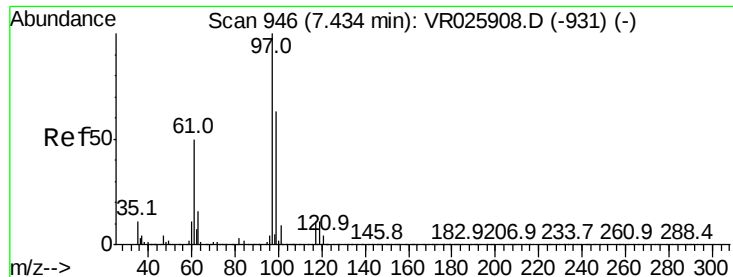
Tgt Ion: 62 Resp: 149681

Ion Ratio Lower Upper

62 100

98 6.2 5.2 7.8

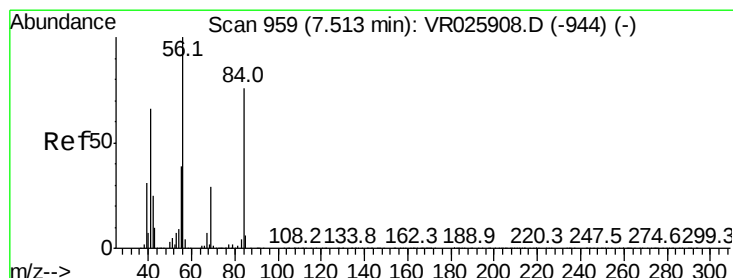
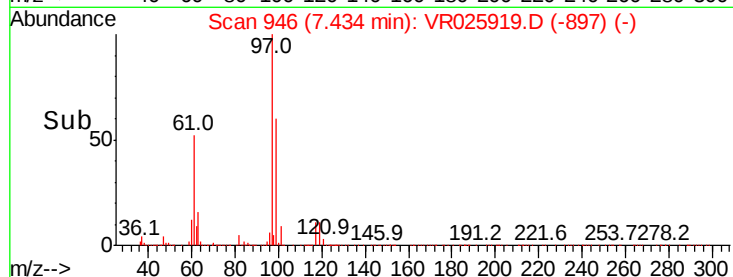
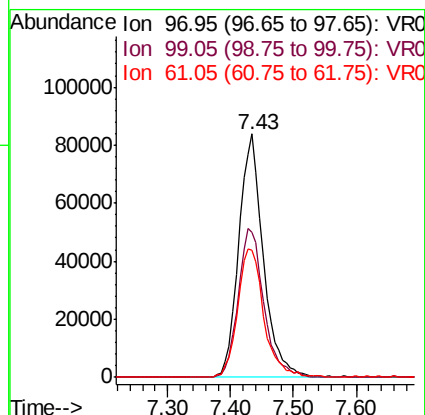
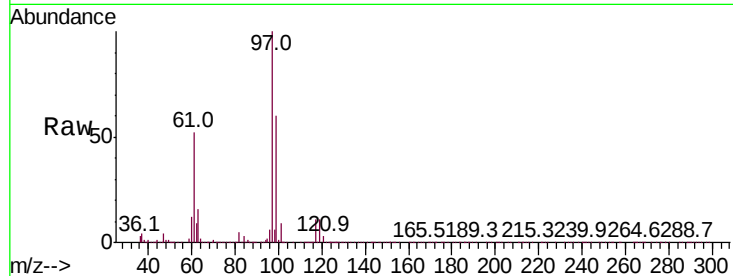




#29
 1,1,1-Trichloroethane
 Concen: 4.439 ug/L
 RT: 7.43 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VR025919.D
 Acq: 1 Oct 2018 19:00

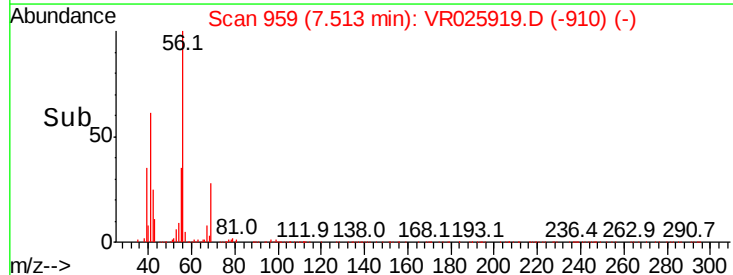
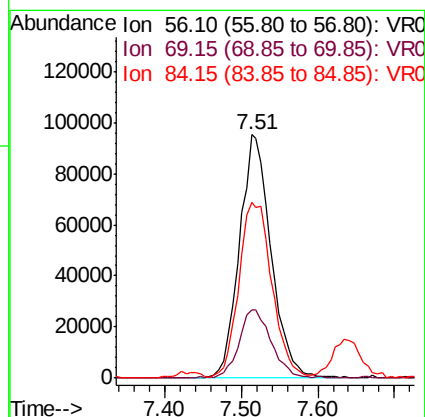
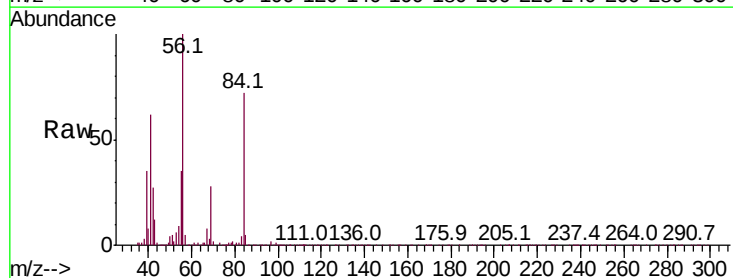
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00593

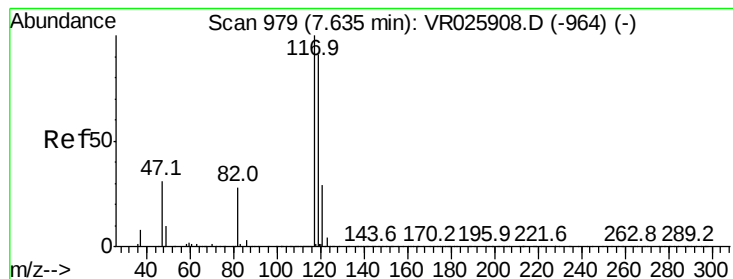
Tot Ion:	97	Resp:	227157
Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.0	76.6
61	56.0	41.6	62.4



#30
 Cyclohexane
 Concen: 4.254 ug/L
 RT: 7.51 min Scan# 959
 Delta R.T. 0.00 min
 Lab File: VR025919.D
 Acq: 1 Oct 2018 19:00

Tgt Ion:	56	Resp:	271986
Ion	Ratio	Lower	Upper
56	100		
69	28.7	24.8	37.2
84	75.5	59.8	89.8





#31

Carbon tetrachloride

Concen: 4.581 ug/L

RT: 7.63 min Scan# 979

Delta R.T. 0.00 min

Lab File: VR025919.D

Acq: 1 Oct 2018 19:00

Instrument :

MSVOA_R

ClientSampleId :

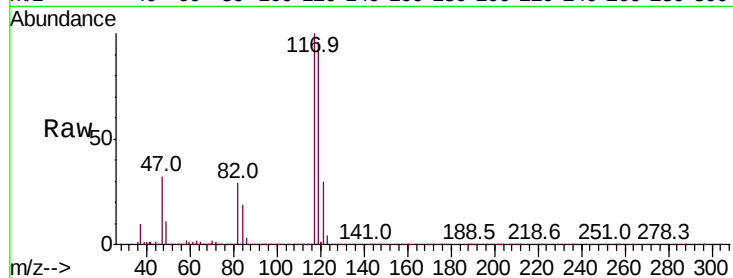
VSTD00593

Tot Ion:117 Resp: 203013

Ion Ratio Lower Upper

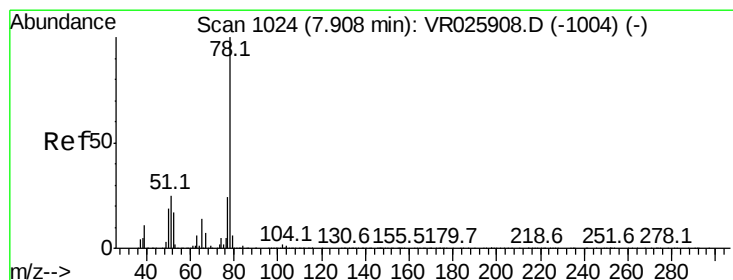
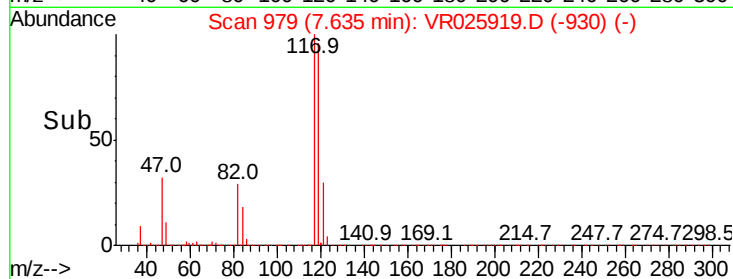
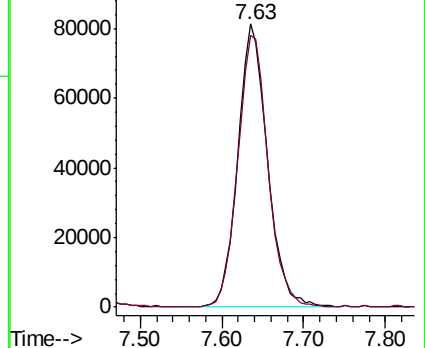
117 100

119 97.5 75.6 113.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.333 ug/L

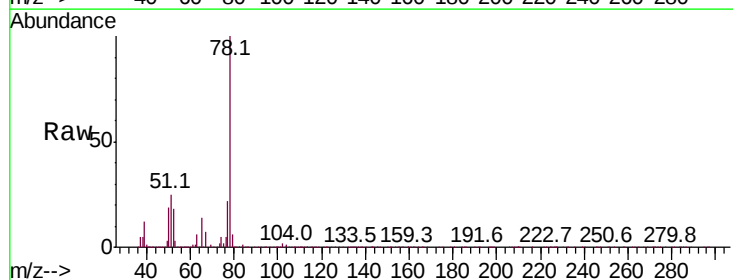
RT: 7.91 min Scan# 1024

Delta R.T. 0.00 min

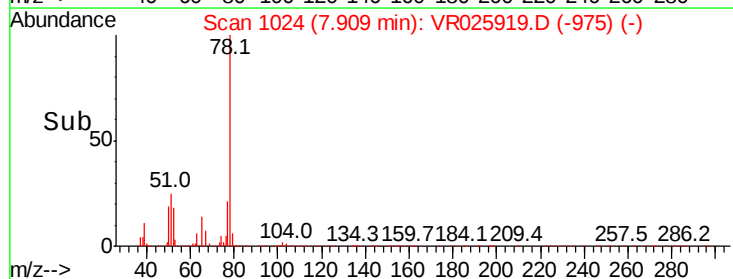
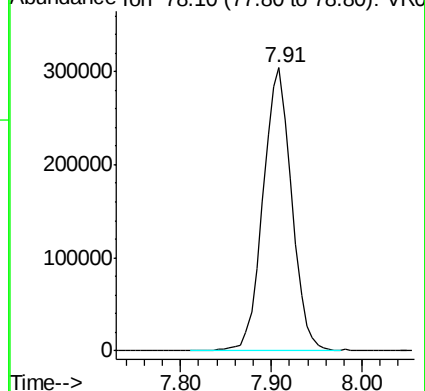
Lab File: VR025919.D

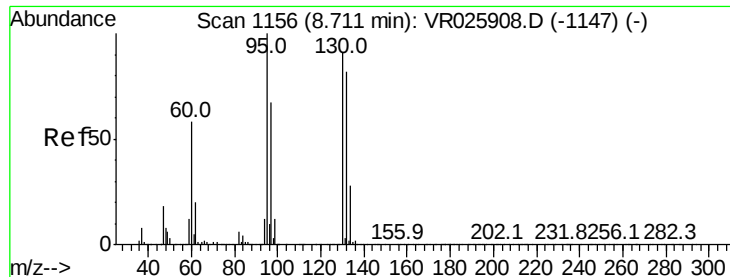
Acq: 1 Oct 2018 19:00

Tgt Ion: 78 Resp: 661270



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 4.200 ug/L

RT: 8.71 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VR025919.D

Acq: 1 Oct 2018 19:00

Instrument :

MSVOA_R

ClientSampled :

VSTD00593

Tot Ion: 95 Resp: 168911

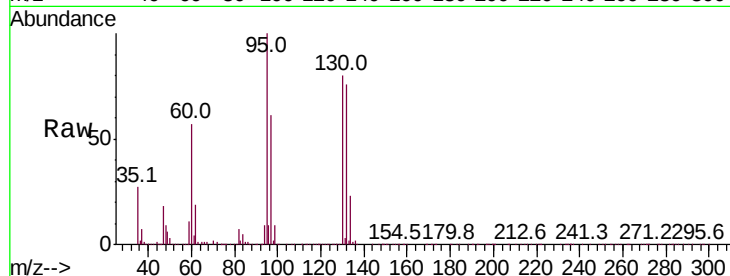
Ion Ratio Lower Upper

95 100

97 61.5 43.9 81.5

132 76.1 53.3 98.9

130 80.5 53.8 99.8

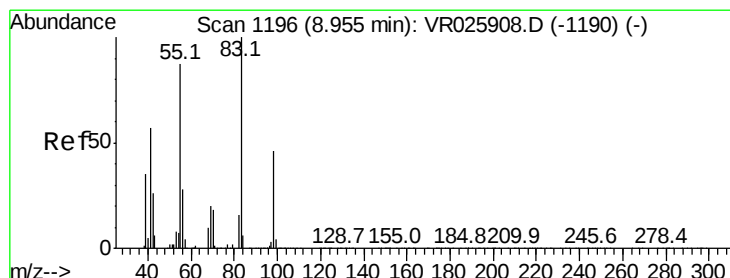
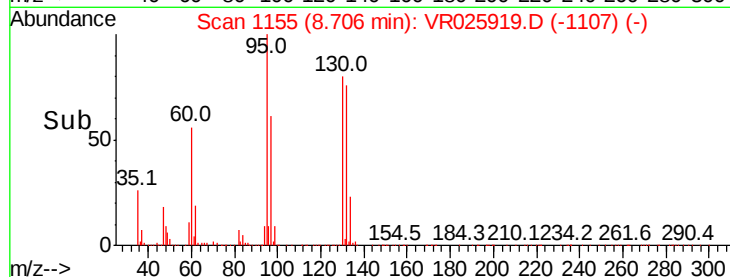
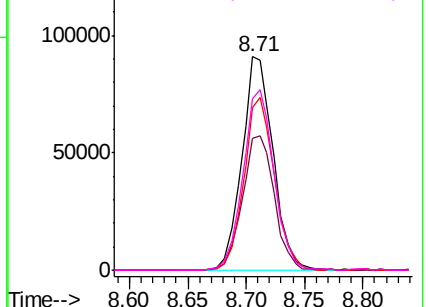


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 4.335 ug/L

RT: 8.96 min Scan# 1196

Delta R.T. 0.00 min

Lab File: VR025919.D

Acq: 1 Oct 2018 19:00

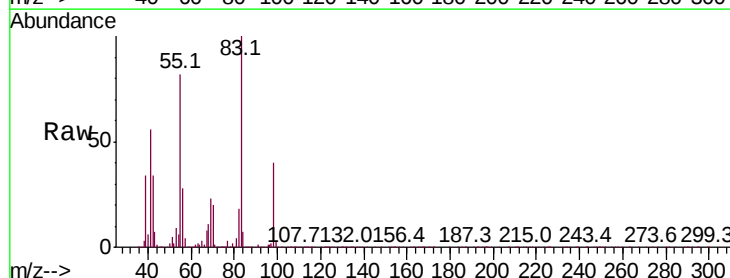
Tgt Ion: 83 Resp: 262098

Ion Ratio Lower Upper

83 100

55 86.3 71.8 107.6

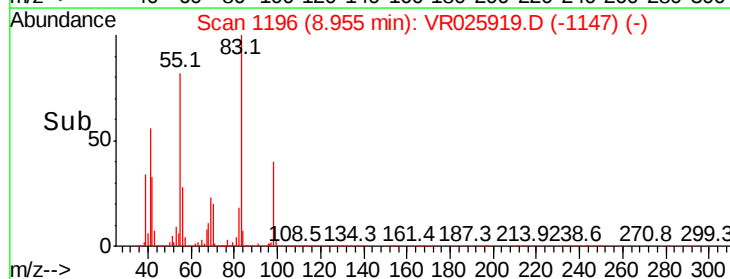
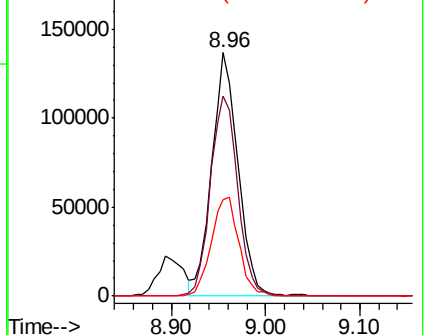
98 41.9 34.2 51.4

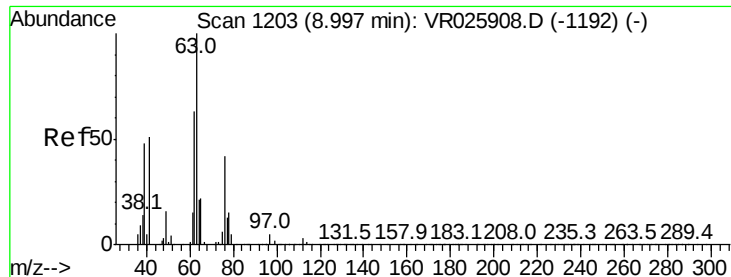


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 4.415 ug/L

RT: 9.00 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VR025919.D

Acq: 1 Oct 2018 19:00

Instrument :

MSVOA_R

ClientSampleId :

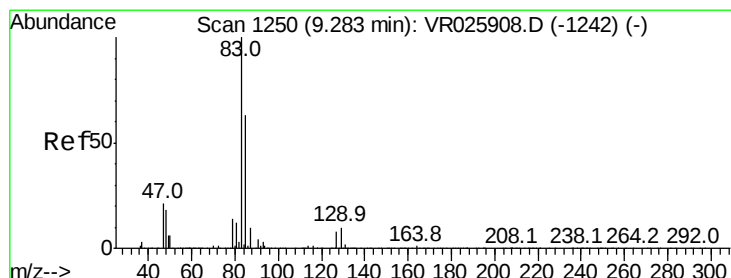
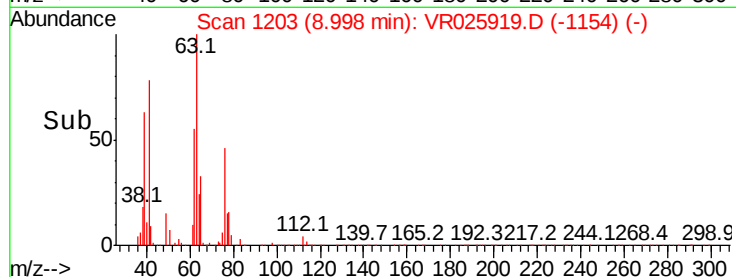
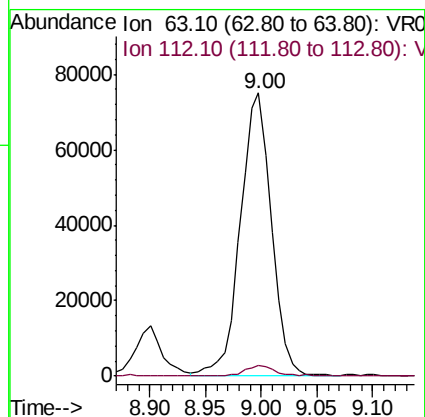
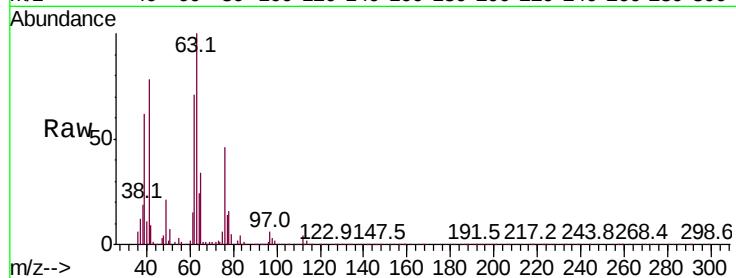
VSTD00593

Tot Ion: 63 Resp: 144546

Ion Ratio Lower Upper

63 100

112 3.7 2.5 3.7#



#38

Bromodichloromethane

Concen: 4.483 ug/L

RT: 9.28 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VR025919.D

Acq: 1 Oct 2018 19:00

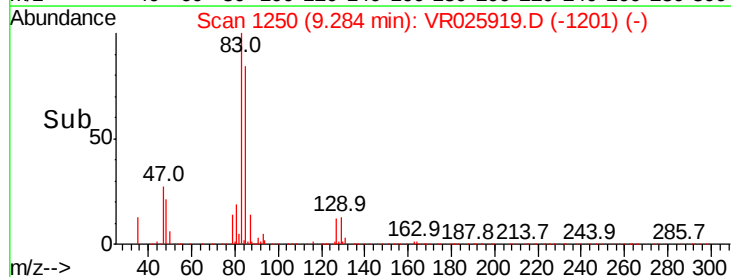
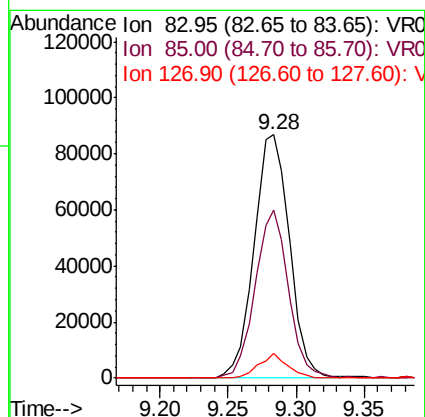
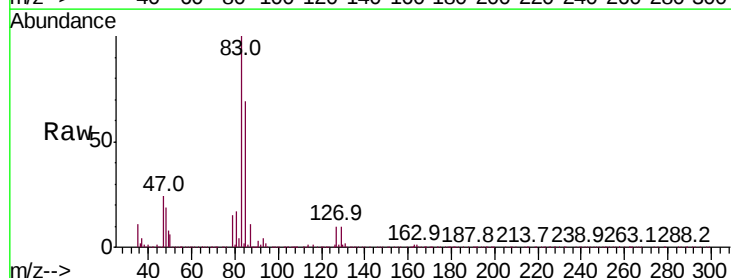
Tgt Ion: 83 Resp: 158355

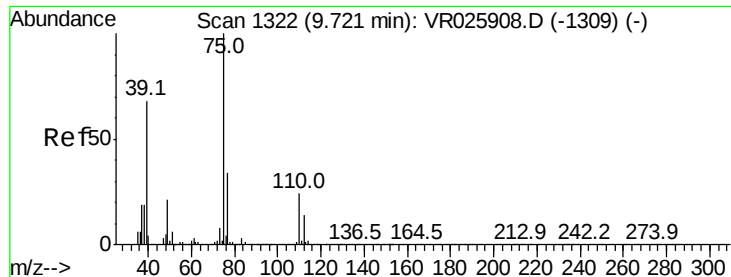
Ion Ratio Lower Upper

83 100

85 69.0 42.8 79.4

127 9.9 5.6 8.4#





#39

cis-1,3-Dichloropropene

Concen: 4.737 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VR025919.D

Acq: 1 Oct 2018 19:00

Instrument :

MSVOA_R

ClientSampled :

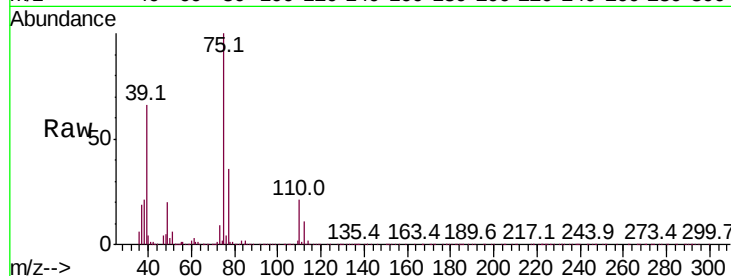
VSTD00593

Tot Ion: 75 Resp: 173896

Ion Ratio Lower Upper

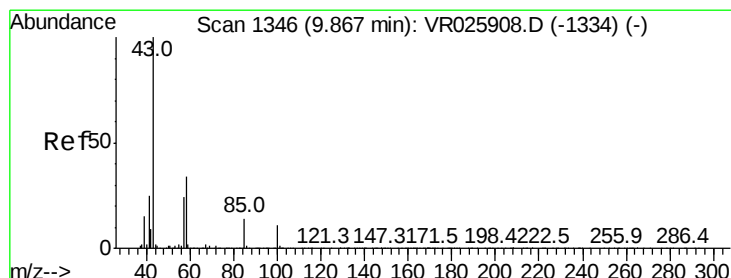
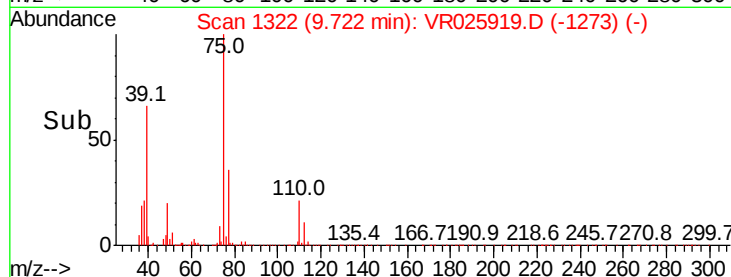
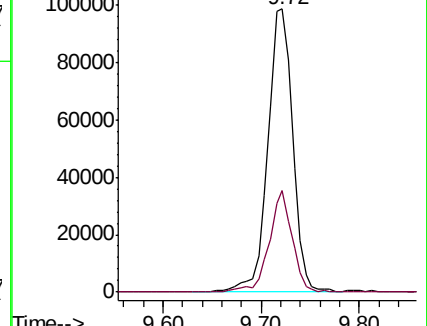
75 100

77 35.7 21.5 39.9



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0



#40

4-Methyl-2-pentanone

Concen: 49.726 ug/L

RT: 9.87 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VR025919.D

Acq: 1 Oct 2018 19:00

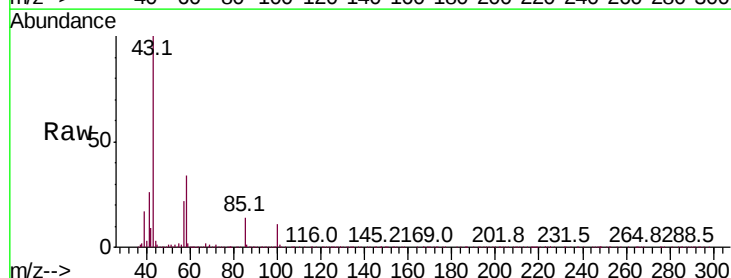
Tgt Ion: 43 Resp: 572495

Ion Ratio Lower Upper

43 100

58 34.0 28.6 43.0

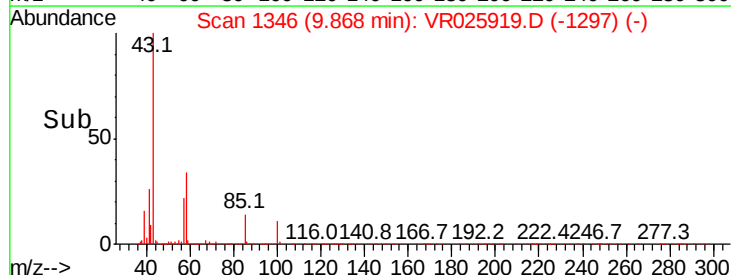
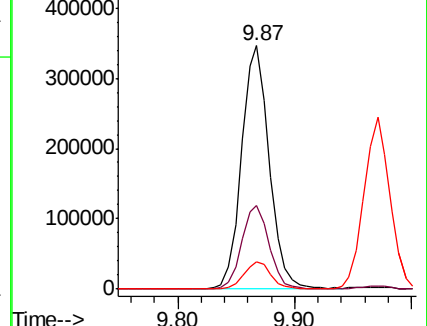
100 10.8 9.0 13.4

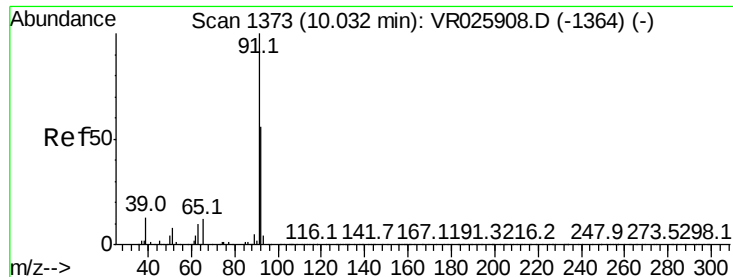


Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0





#42

Toluene

Concen: 4.452 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.01 min

Lab File: VR025919.D

Acq: 1 Oct 2018 19:00

Instrument :

MSVOA_R

ClientSampleId :

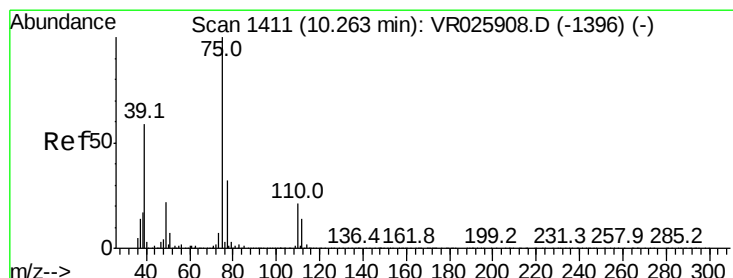
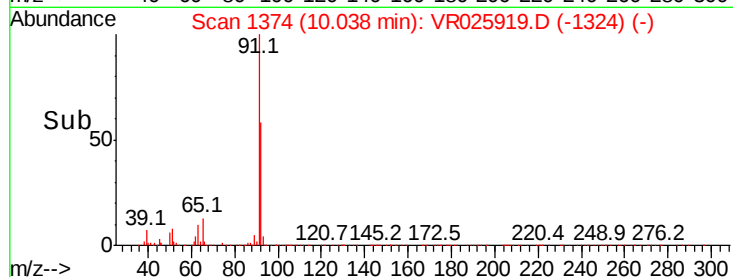
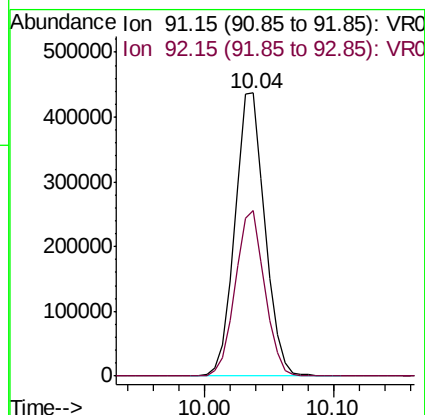
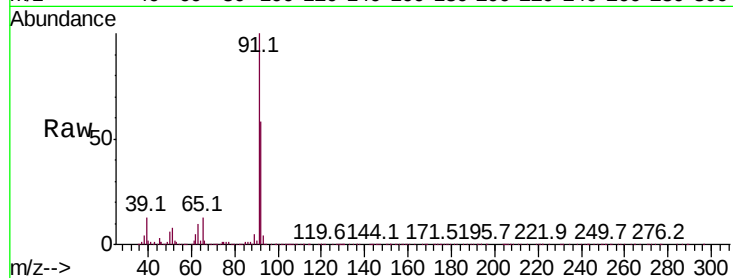
VSTD00593

Tot Ion: 91 Resp: 706065

Ion Ratio Lower Upper

91 100

92 58.4 41.8 77.6



#44

trans-1,3-Dichloropropene

Concen: 5.086 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR025919.D

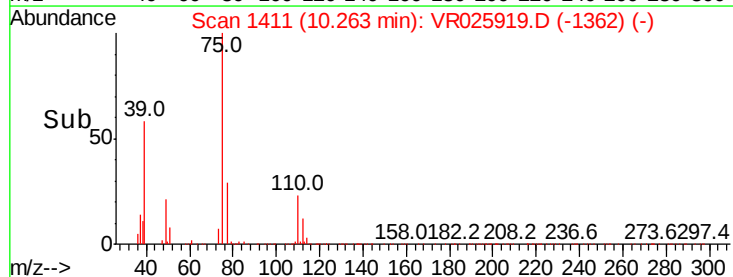
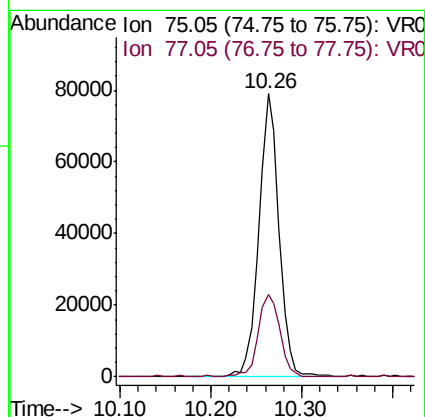
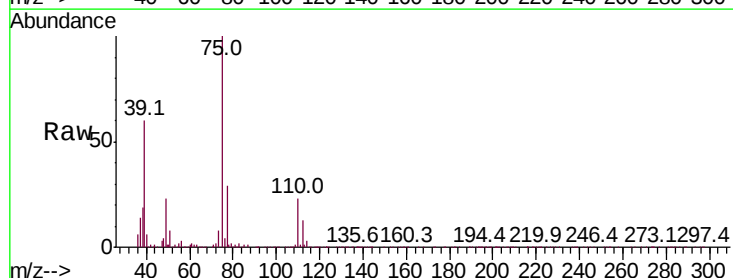
Acq: 1 Oct 2018 19:00

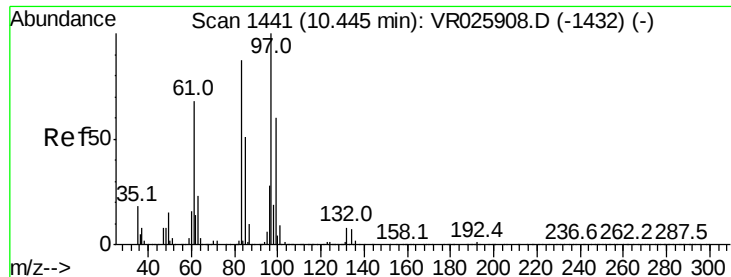
Tgt Ion: 75 Resp: 121910

Ion Ratio Lower Upper

75 100

77 29.3 23.0 42.8





#45

1,1,2-Trichloroethane

Concen: 4.316 ug/L

RT: 10.45 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VR025919.D

Acq: 1 Oct 2018 19:00

Instrument :

MSVOA_R

ClientSampleId :

VSTD00593

Tot Ion: 97 Resp: 63927

Ion	Ratio	Lower	Upper
97	100		
99	65.9	39.6	73.6
83	87.1	62.2	115.6
85	55.7	39.1	72.7

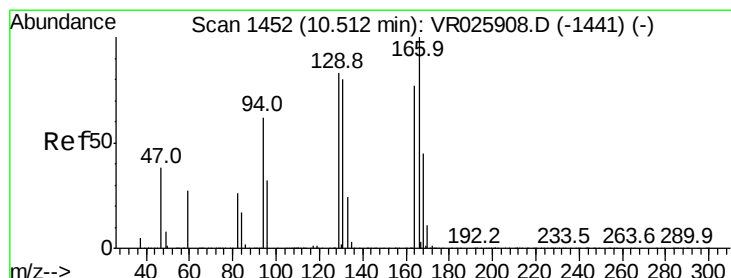
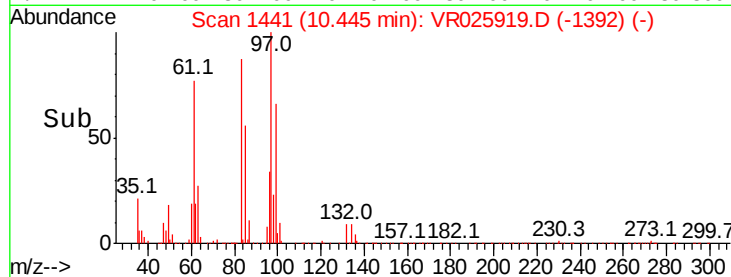
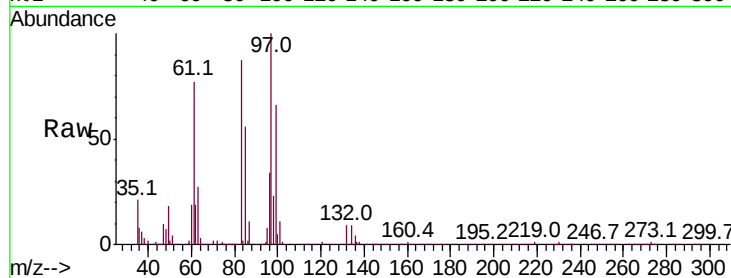
Abundance

Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0



#47

Tetrachloroethene

Concen: 4.273 ug/L

RT: 10.51 min Scan# 1452

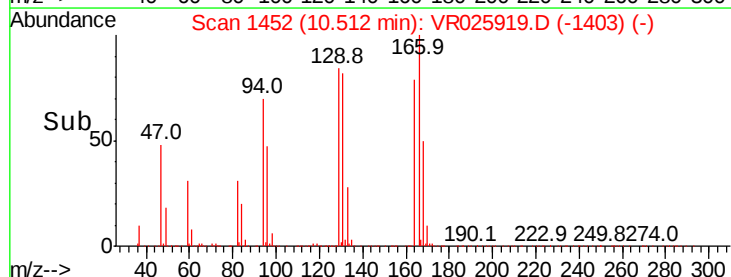
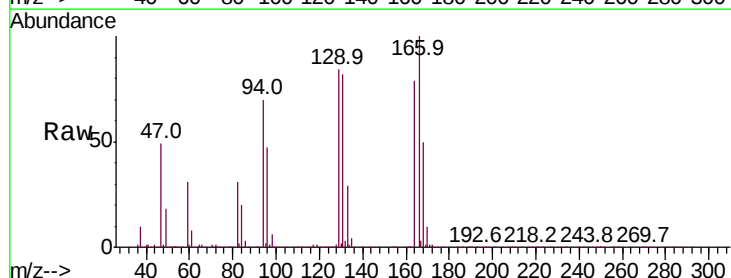
Delta R.T. 0.00 min

Lab File: VR025919.D

Acq: 1 Oct 2018 19:00

Tgt Ion: 164 Resp: 105897

Ion	Ratio	Lower	Upper
164	100		
129	106.2	80.8	150.2
131	103.9	74.5	138.3
166	126.7	92.5	171.7



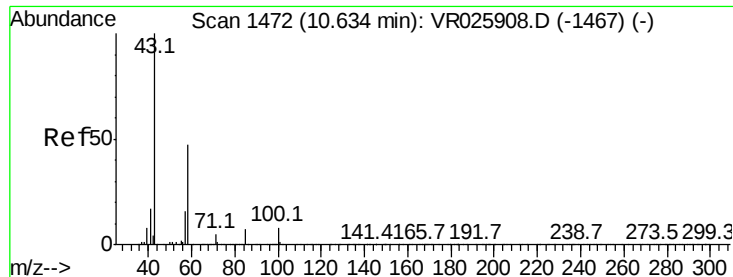
Abundance

Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

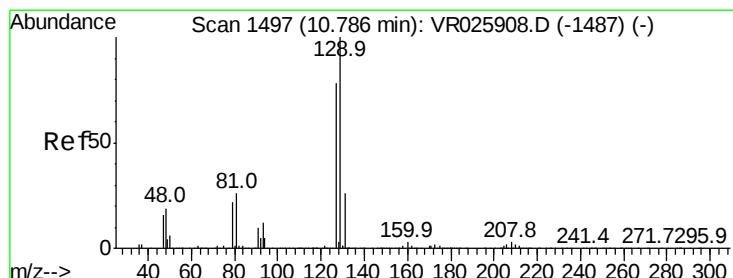
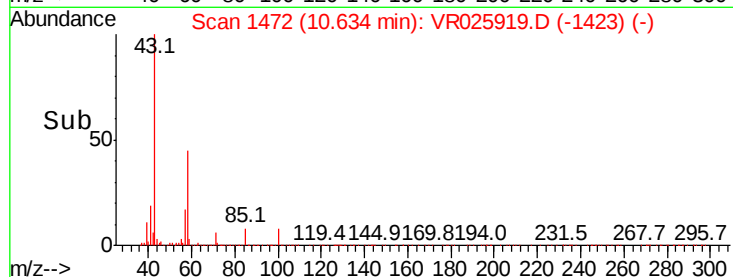
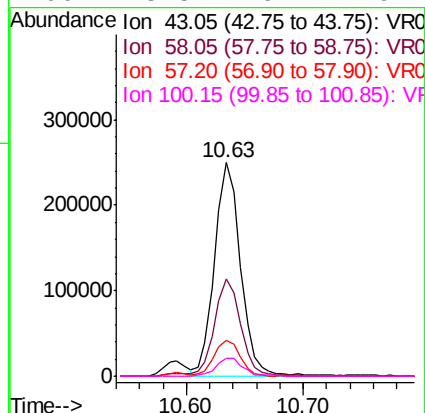
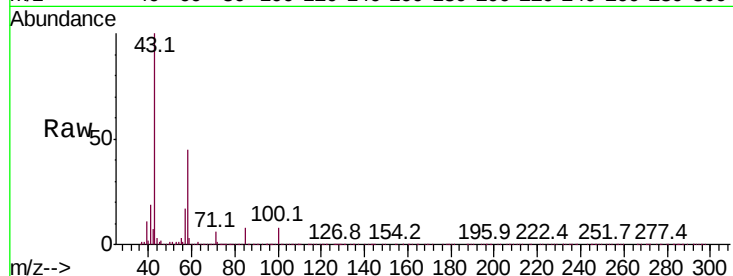
Ion 165.90 (165.60 to 166.60): V



#48
2-Hexanone
Concen: 50.752 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR025919.D
Acq: 1 Oct 2018 19:00

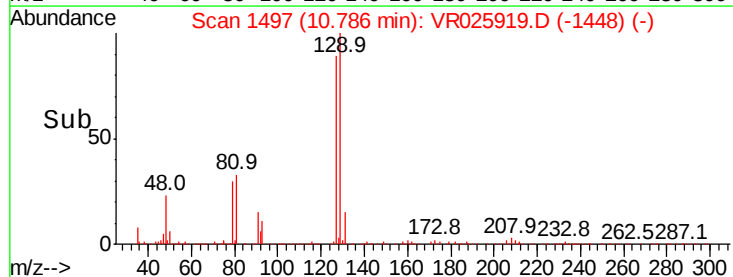
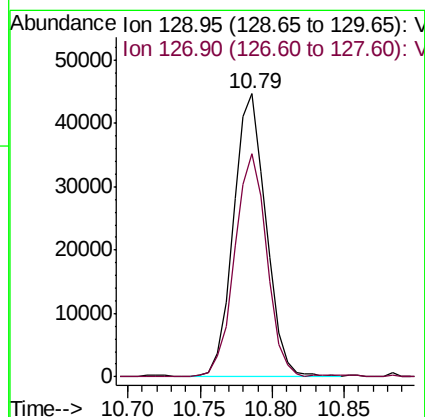
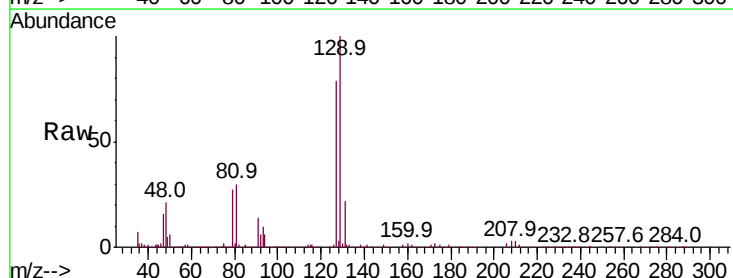
Instrument :
MSVOA_R
ClientSampleId :
VSTD00593

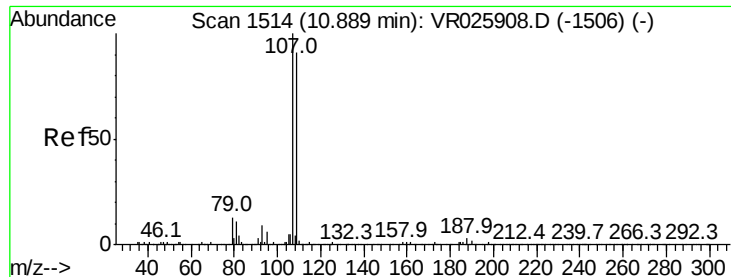
Tot Ion:	43	Resp:	382569
Ion	Ratio	Lower	Upper
43	100		
58	47.2	39.5	59.3
57	17.2	14.6	21.8
100	8.5	6.7	10.1



#49
Dibromochloromethane
Concen: 4.688 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VR025919.D
Acq: 1 Oct 2018 19:00

Tgt Ion:	129	Resp:	70467
Ion	Ratio	Lower	Upper
129	100		
127	79.0	54.1	100.5

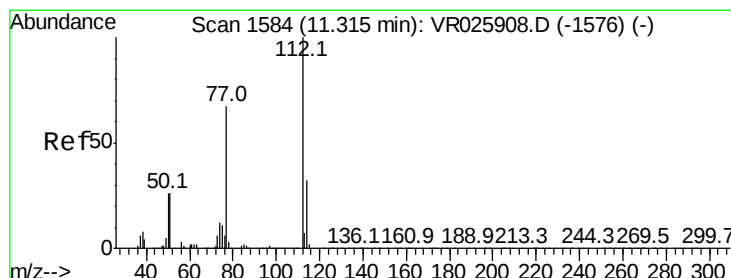
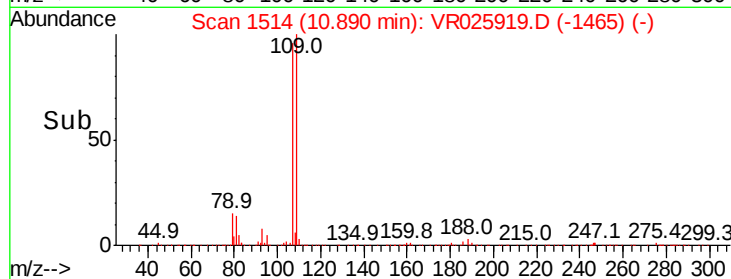
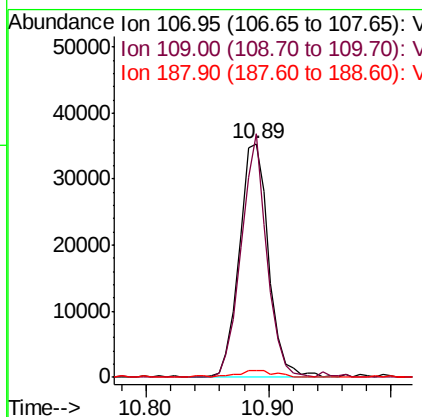
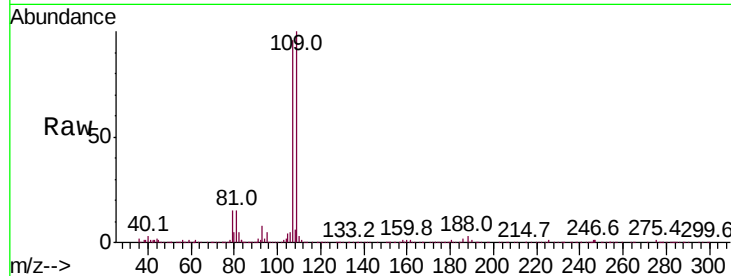




#50
1,2-Dibromoethane
Concen: 5.012 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VR025919.D
Acq: 1 Oct 2018 19:00

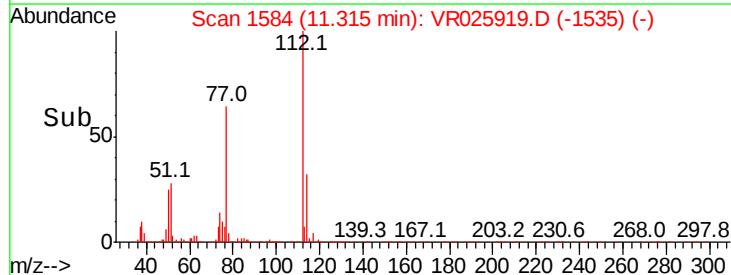
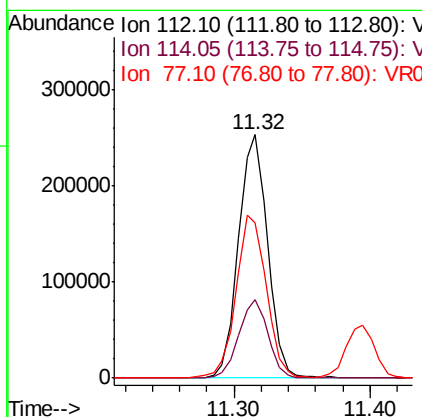
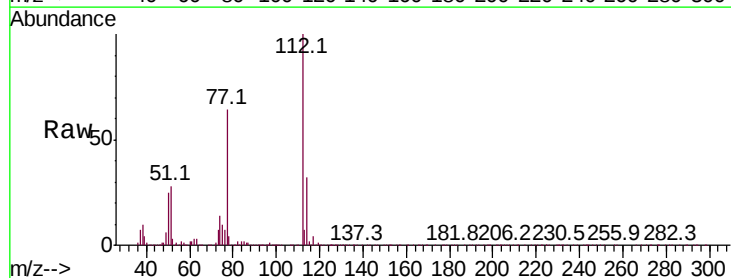
Instrument :
MSVOA_R
ClientSampleId :
VSTD00593

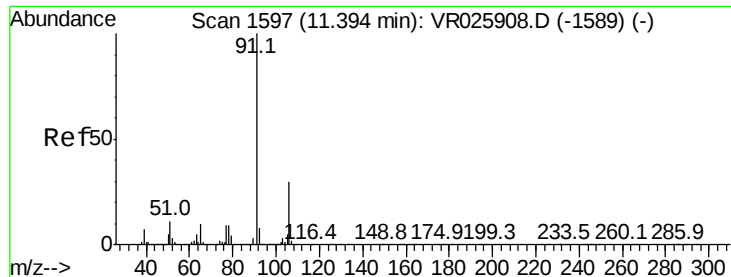
Tot Ion:107 Resp: 58574
Ion Ratio Lower Upper
107 100
109 104.2 63.5 117.9
188 2.9 1.7 2.5#



#51
Chlorobenzene
Concen: 4.490 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VR025919.D
Acq: 1 Oct 2018 19:00

Tgt Ion:112 Resp: 377711
Ion Ratio Lower Upper
112 100
114 32.1 22.7 42.3
77 63.9 58.5 87.7





#52

Ethylbenzene

Concen: 4.507 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR025919.D

Acq: 1 Oct 2018 19:00

Instrument :

MSVOA_R

ClientSampleId :

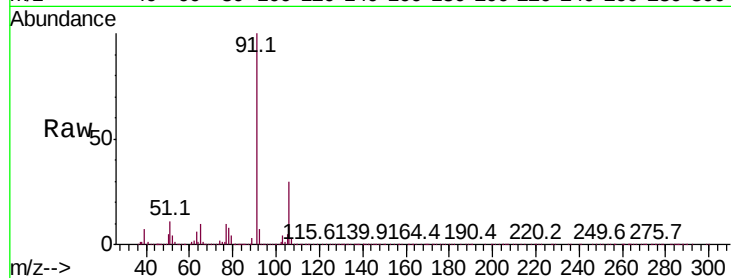
VSTD00593

Tot Ion: 91 Resp: 815816

Ion Ratio Lower Upper

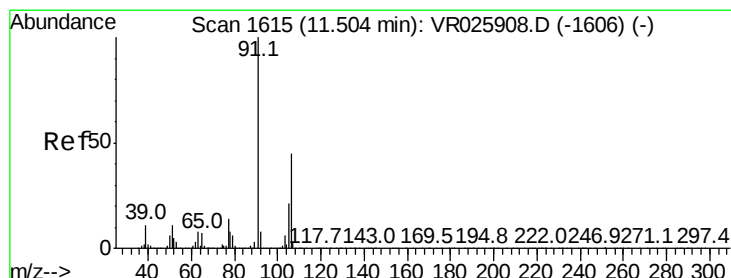
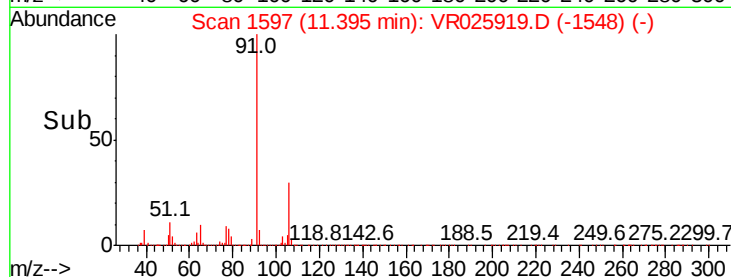
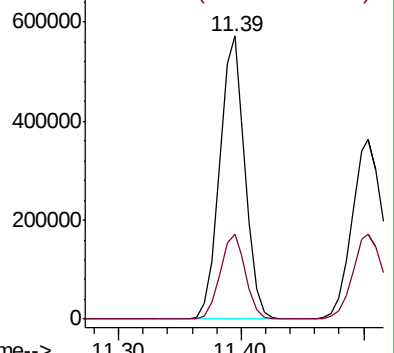
91 100

106 29.8 20.6 38.4



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 106.15 (105.85 to 106.85): V



#53

m,p-Xylene

Concen: 4.603 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR025919.D

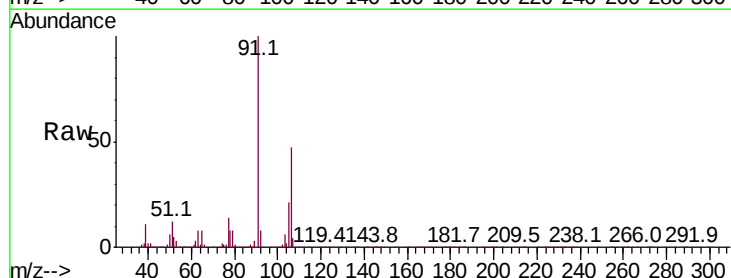
Acq: 1 Oct 2018 19:00

Tgt Ion: 106 Resp: 296596

Ion Ratio Lower Upper

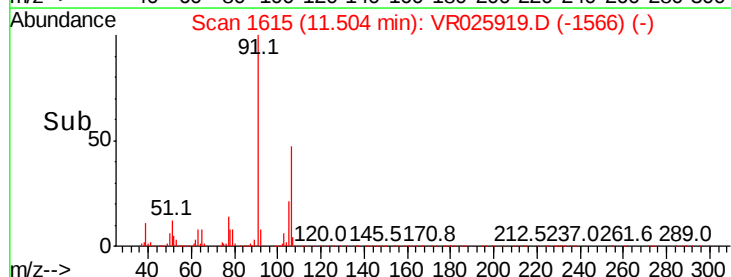
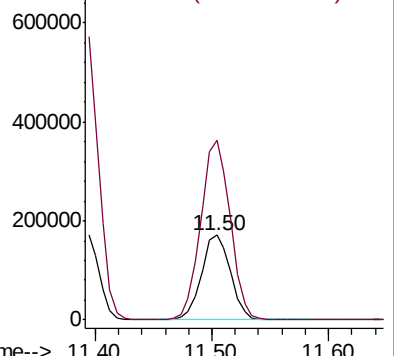
106 100

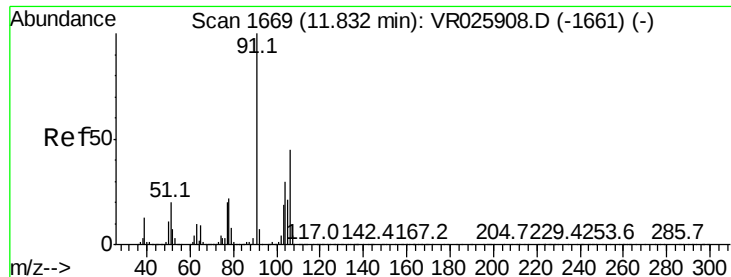
91 212.5 159.7 296.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0

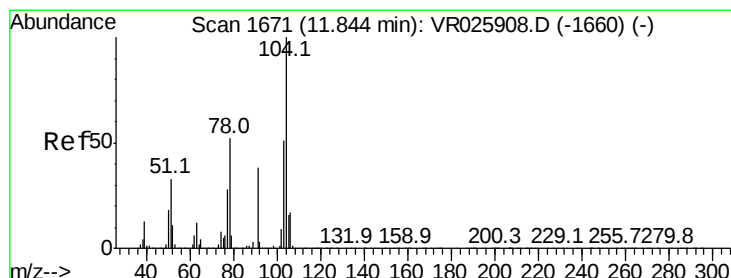
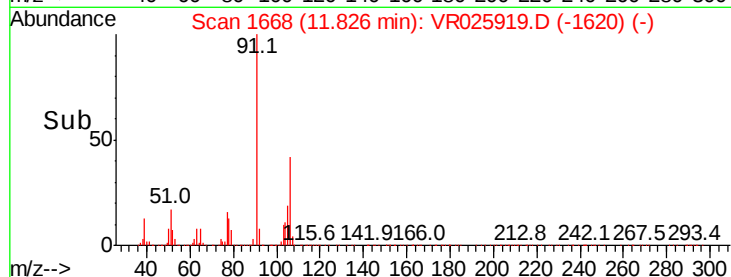
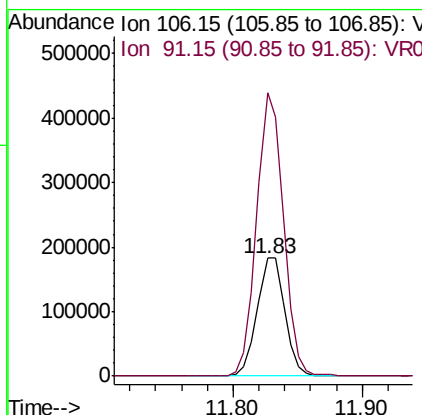
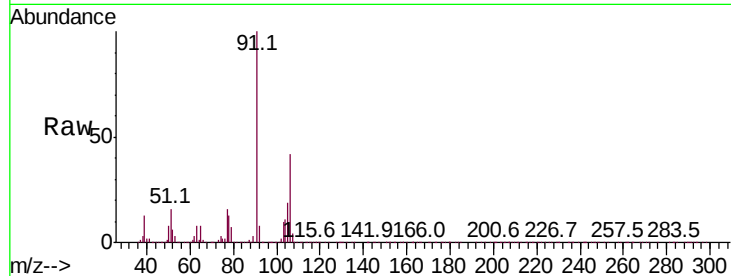




#54
o-Xylene
Concen: 4.510 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. -0.01 min
Lab File: VR025919.D
Acq: 1 Oct 2018 19:00

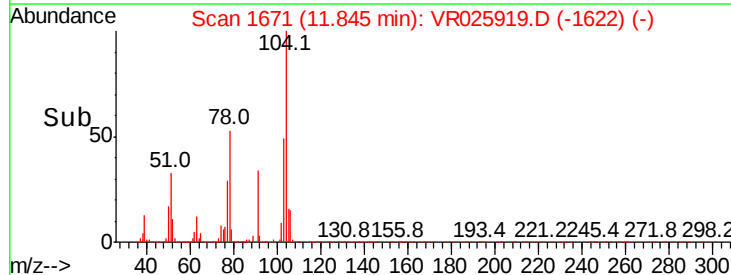
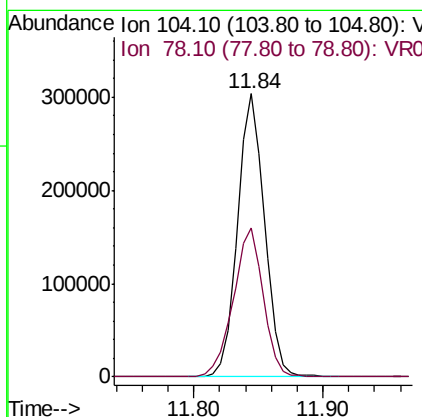
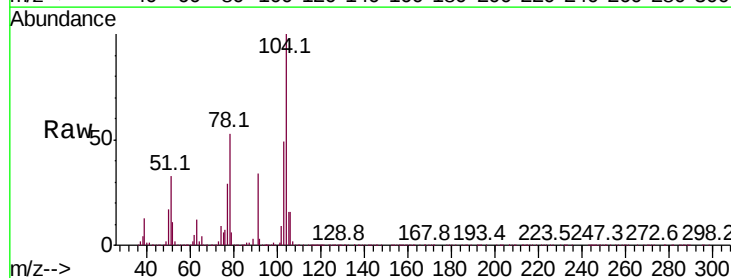
Instrument :
MSVOA_R
ClientSampleId :
VSTD00593

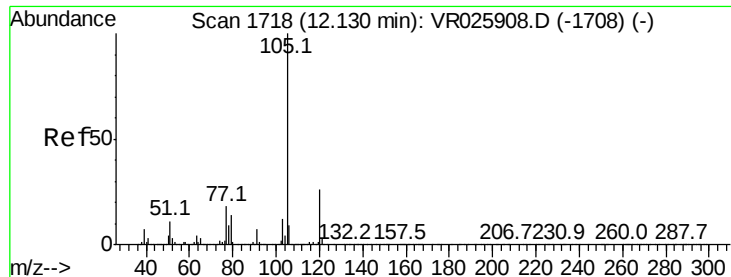
Tot Ion:106 Resp: 270557
Ion Ratio Lower Upper
106 100
91 239.7 164.5 305.5



#55
Styrene
Concen: 4.706 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR025919.D
Acq: 1 Oct 2018 19:00

Tgt Ion:104 Resp: 439355
Ion Ratio Lower Upper
104 100
78 52.6 39.3 72.9





#56

Isopropylbenzene

Concen: 4.642 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR025919.D

Acq: 1 Oct 2018 19:00

Instrument :

MSVOA_R

ClientSampleId :

VSTD00593

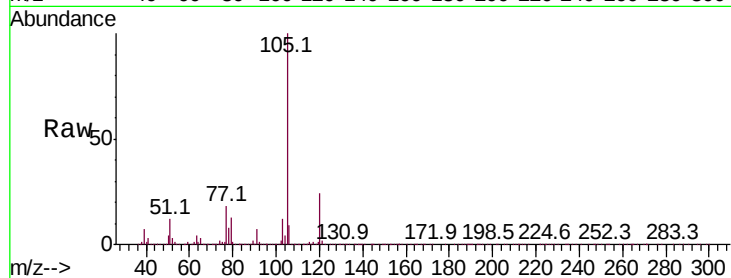
Tot Ion:105 Resp: 768062

Ion Ratio Lower Upper

105 100

120 25.0 19.8 29.8

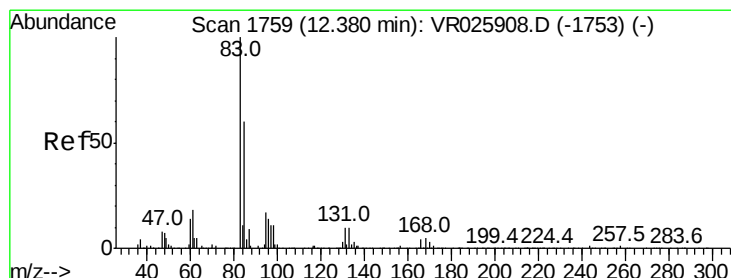
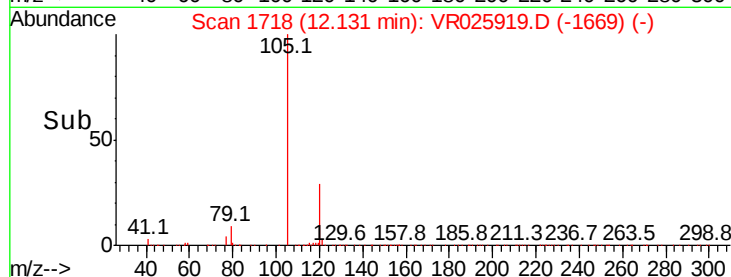
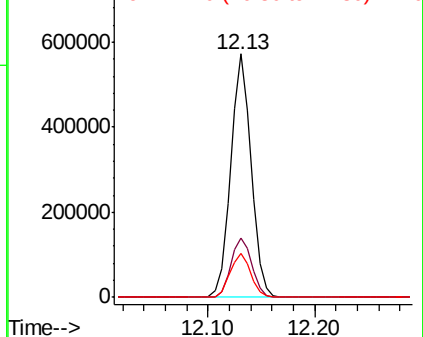
77 18.3 15.5 23.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.738 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.01 min

Lab File: VR025919.D

Acq: 1 Oct 2018 19:00

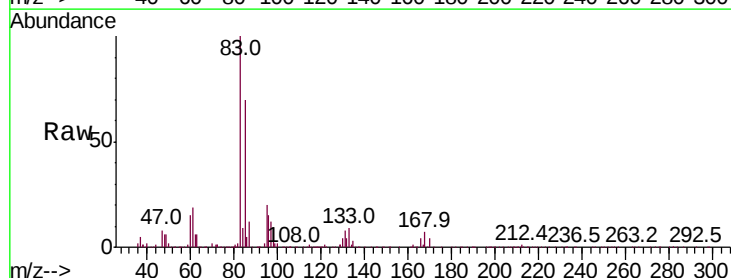
Tgt Ion: 83 Resp: 67615

Ion Ratio Lower Upper

83 100

85 70.1 45.8 85.0

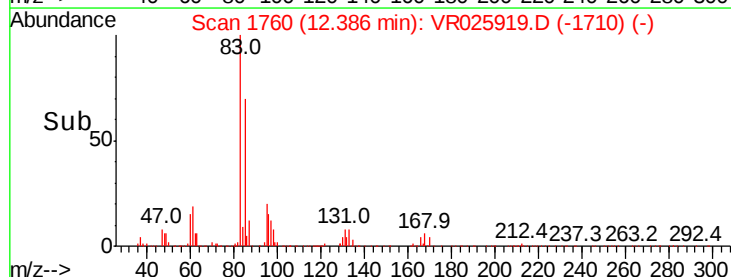
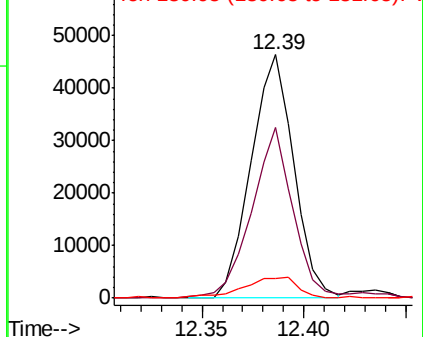
131 8.0 6.6 9.8

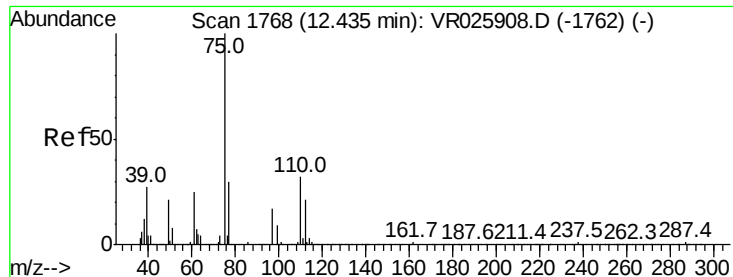


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.727 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VR025919.D

Acq: 1 Oct 2018 19:00

Instrument :

MSVOA_R

ClientSampleId :

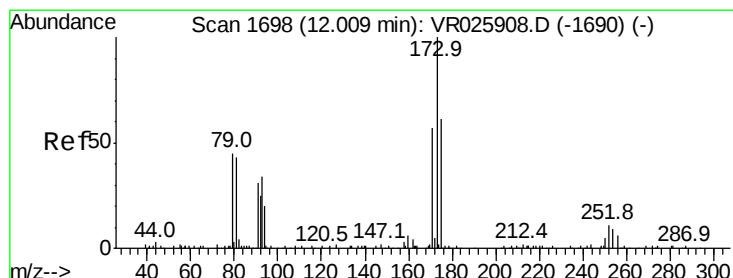
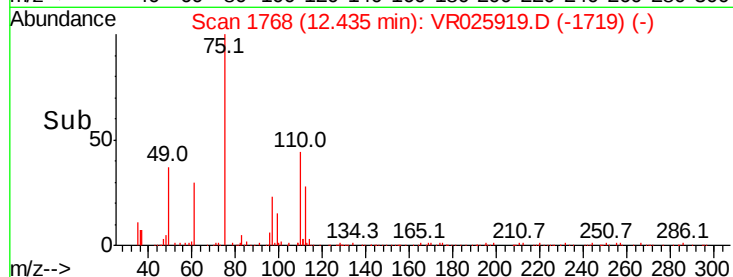
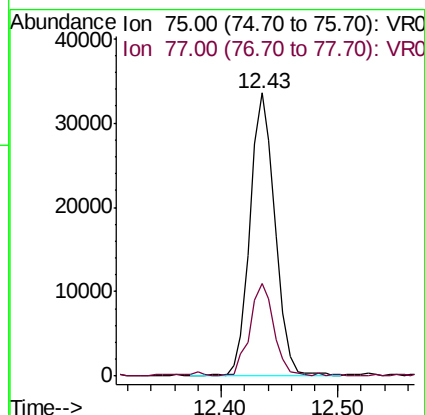
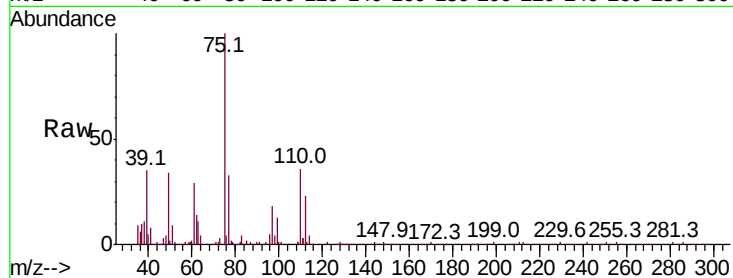
VSTD00593

Tot Ion: 75 Resp: 50201

Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.6



#61

Bromoform

Concen: 4.579 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR025919.D

Acq: 1 Oct 2018 19:00

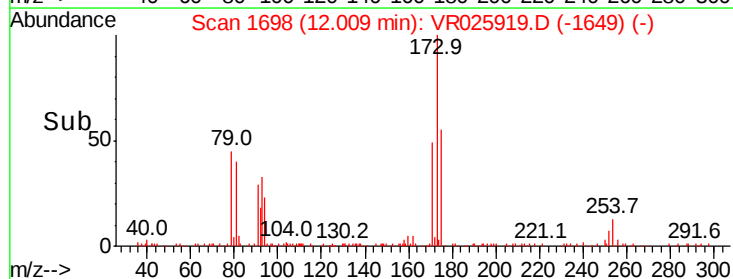
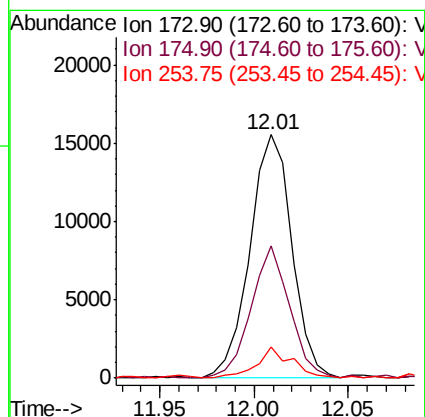
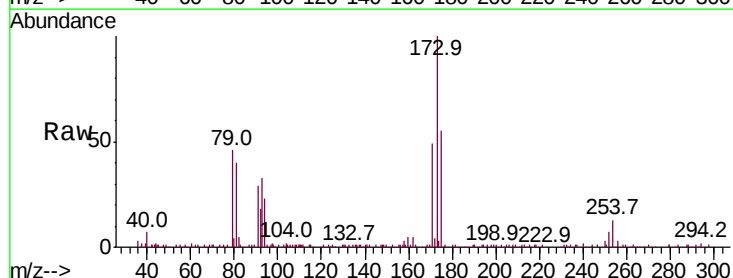
Tgt Ion: 173 Resp: 23991

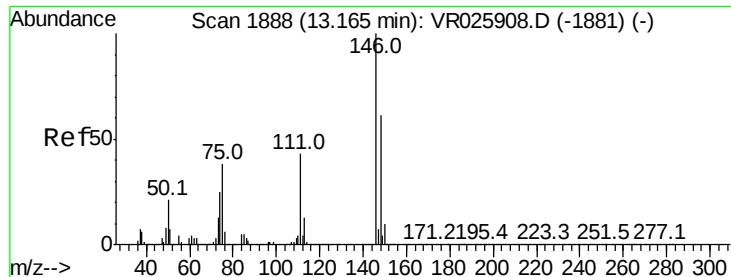
Ion Ratio Lower Upper

173 100

175 49.8 36.9 55.3

254 10.7 6.6 10.0#





#62

1,3-Dichlorobenzene

Concen: 4.513 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. -0.01 min

Lab File: VR025919.D

Acq: 1 Oct 2018 19:00

Instrument :

MSVOA_R

ClientSampled :

VSTD00593

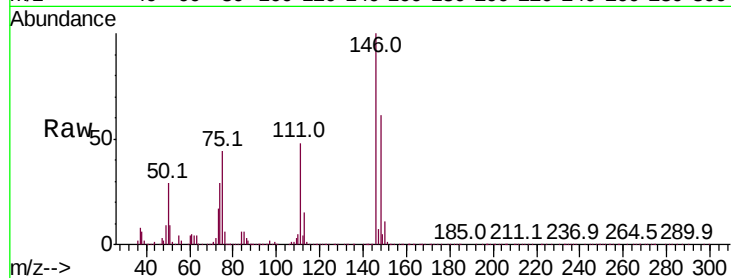
Tot Ion:146 Resp: 228622

Ion Ratio Lower Upper

146 100

111 47.9 36.6 68.0

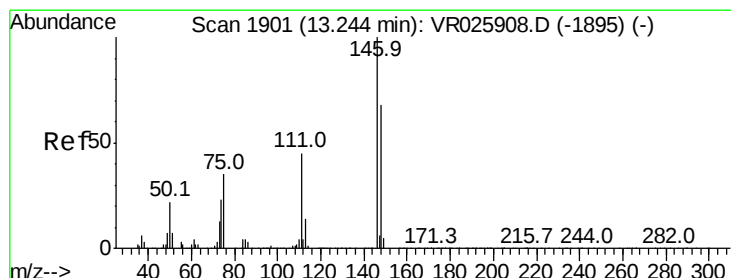
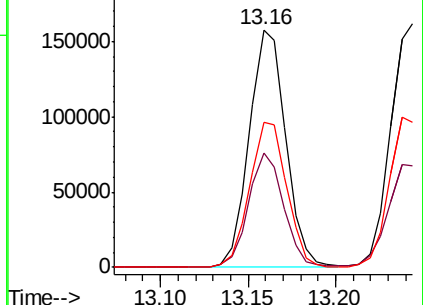
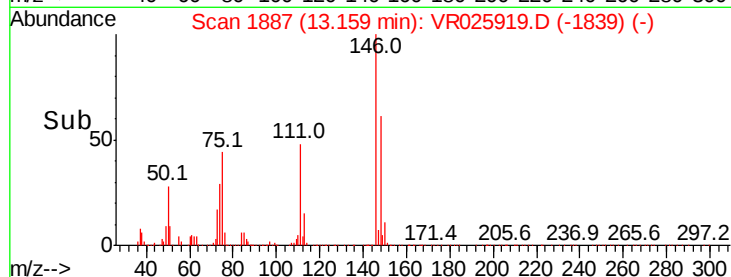
148 61.2 41.9 77.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.431 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VR025919.D

Acq: 1 Oct 2018 19:00

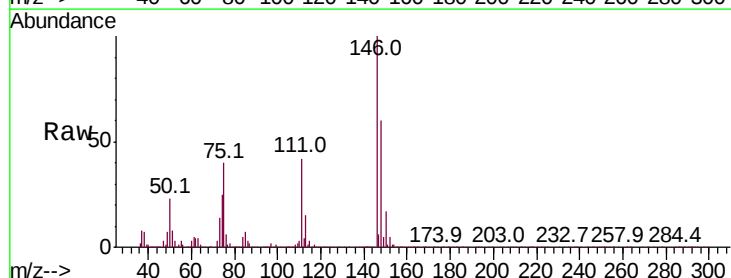
Tgt Ion:146 Resp: 229629

Ion Ratio Lower Upper

146 100

111 41.8 32.9 61.1

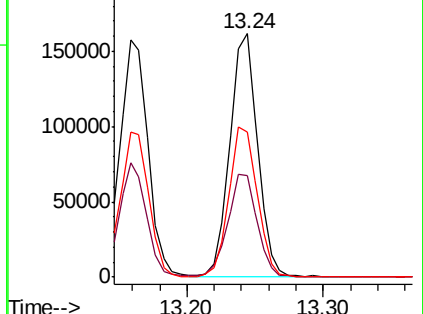
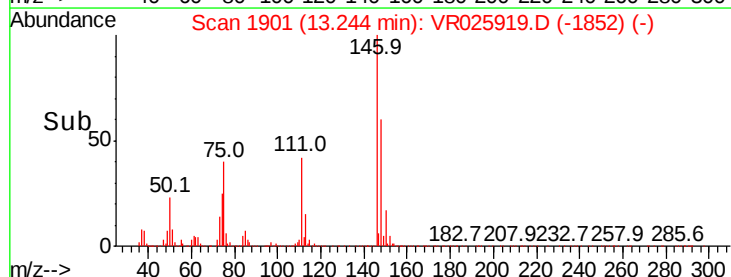
148 59.8 45.5 84.5

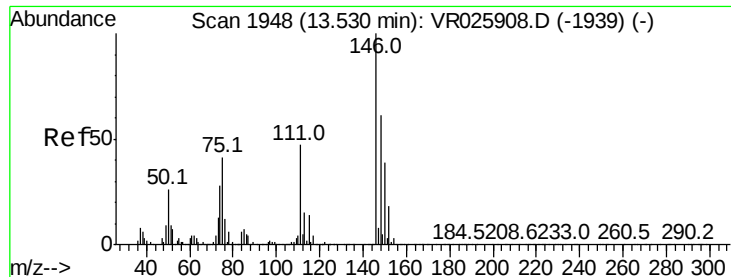


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

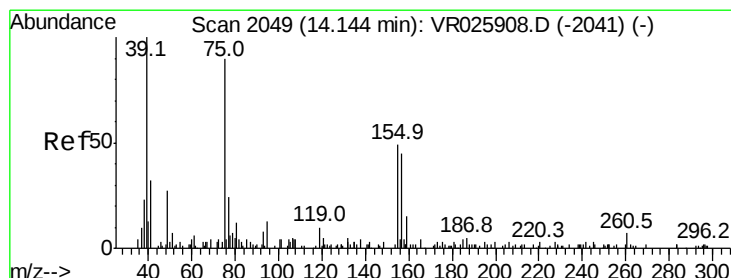
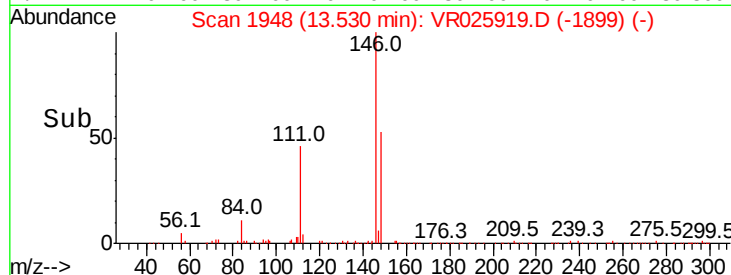
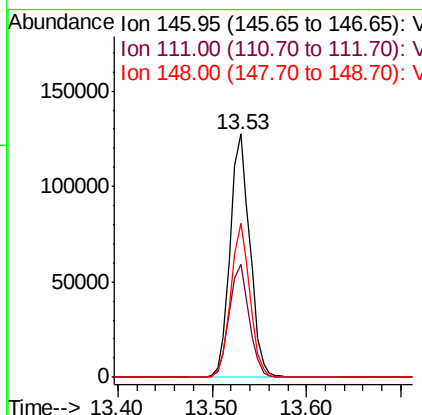
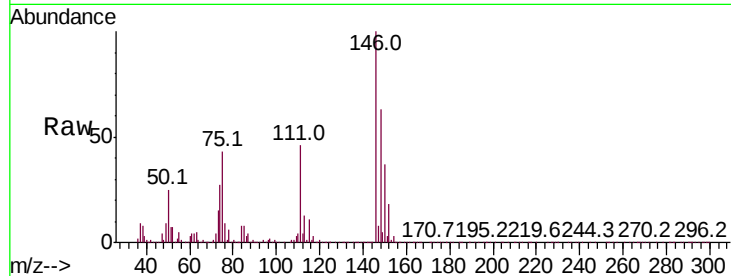




#65
 1,2-Dichlorobenzene
 Concen: 4.551 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. 0.00 min
 Lab File: VR025919.D
 Acq: 1 Oct 2018 19:00

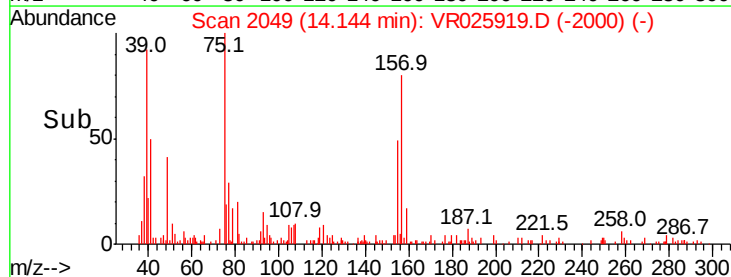
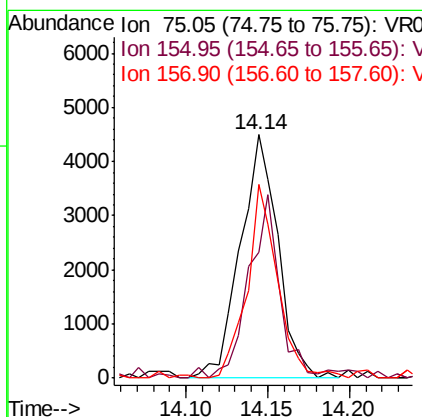
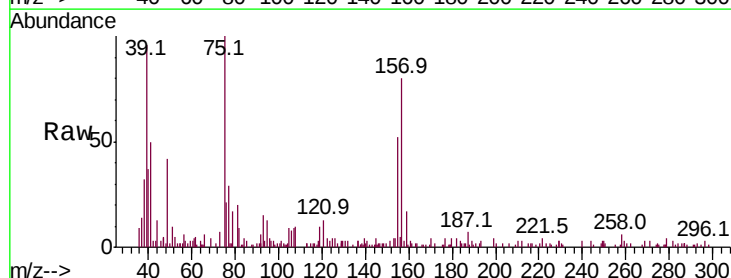
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00593

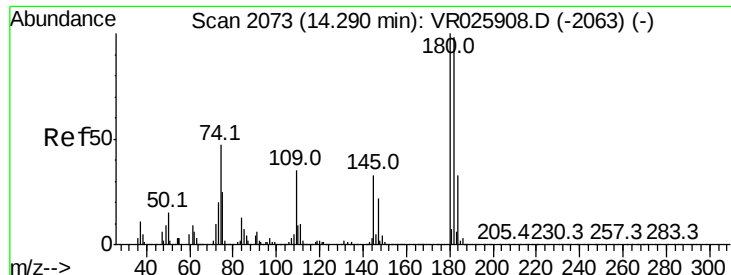
Tot Ion:146 Resp: 185213
 Ion Ratio Lower Upper
 146 100
 111 46.5 39.4 59.0
 148 63.3 53.5 80.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.220 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VR025919.D
 Acq: 1 Oct 2018 19:00

Tgt Ion: 75 Resp: 7221
 Ion Ratio Lower Upper
 75 100
 155 51.9 37.8 56.6
 157 79.6 49.7 74.5#

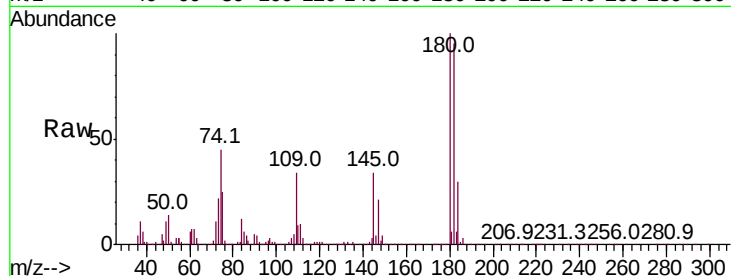




#67
 1,3,5-Trichlorobenzene
 Concen: 4.492 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR025919.D
 Acq: 1 Oct 2018 19:00

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00593

Tot Ion:	180	Resp:	135546
Ion	Ratio	Lower	Upper
180	100		
182	93.6	77.2	115.8
184	30.5	24.5	36.7
145	34.3	31.1	46.7



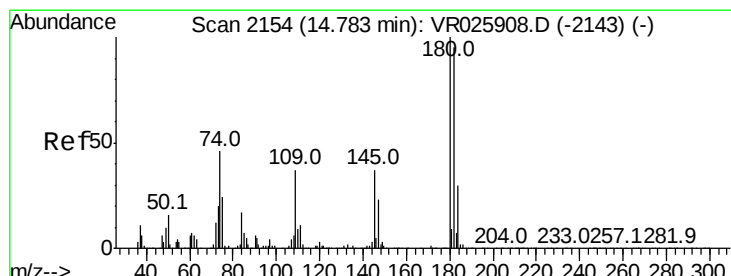
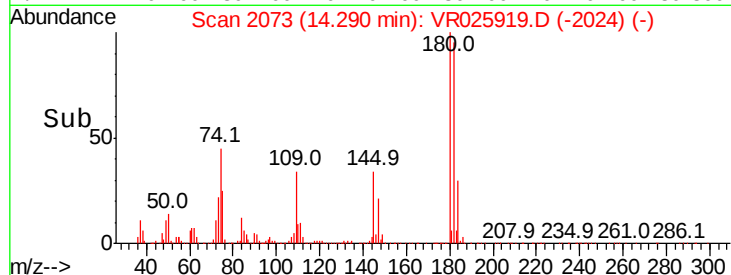
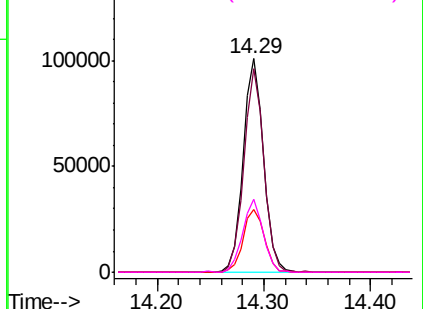
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

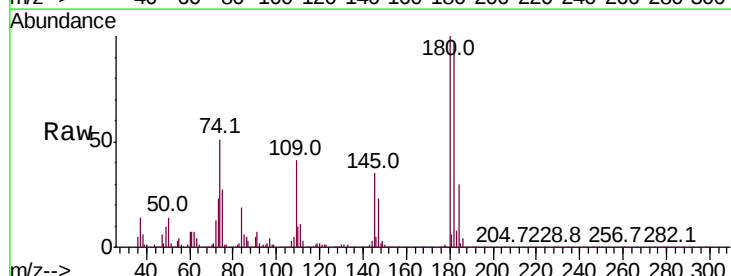
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.379 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VR025919.D
 Acq: 1 Oct 2018 19:00

Tgt Ion:	180	Resp:	84219
Ion	Ratio	Lower	Upper
180	100		
182	97.6	75.2	112.8
145	37.9	30.5	45.7

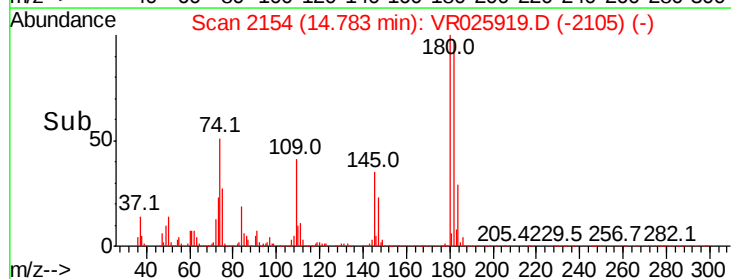
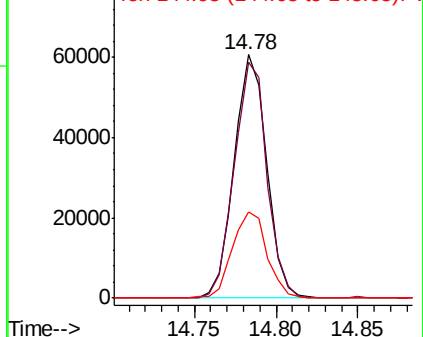


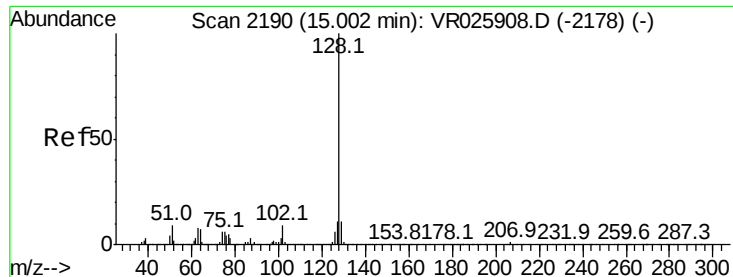
Abundance

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: 4.582 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR025919.D

Acq: 1 Oct 2018 19:00

Instrument :

MSVOA_R

ClientSampleId :

VSTD00593

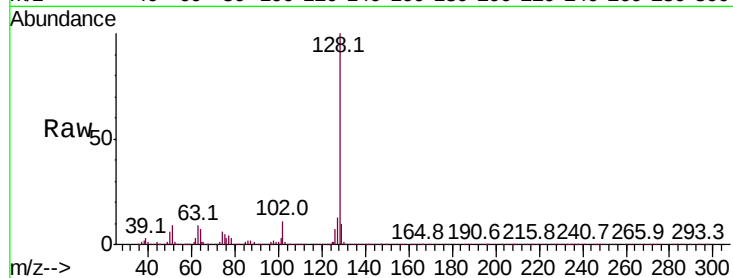
Tot Ion:128 Resp: 112465

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

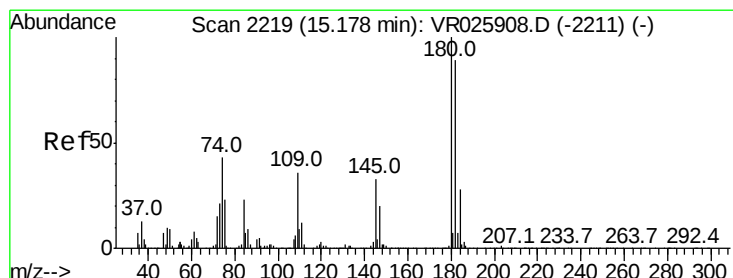
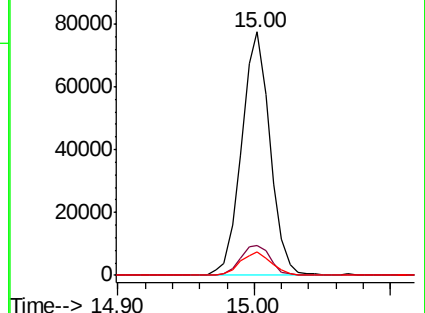
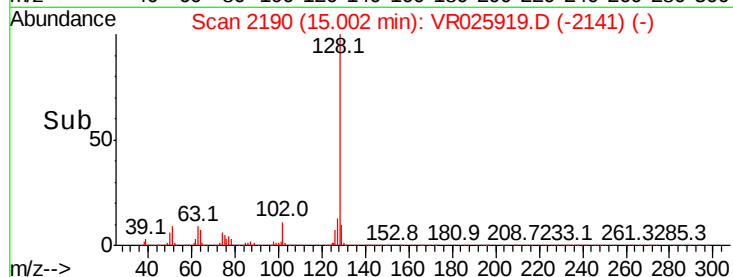
129 10.4 9.4 14.2



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: 4.623 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR025919.D

Acq: 1 Oct 2018 19:00

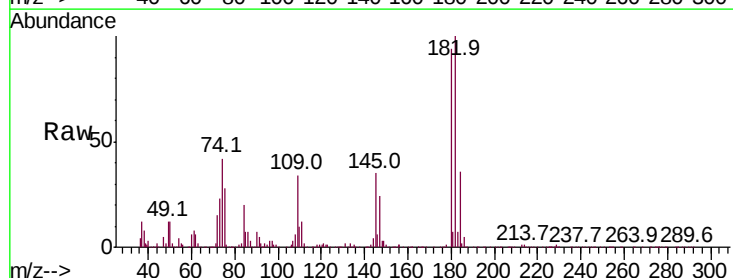
Tgt Ion:180 Resp: 61688

Ion Ratio Lower Upper

180 100

182 97.8 74.7 112.1

145 39.3 31.3 46.9



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

