

Data File : VR025943.D
Acq On : 4 Oct 2018 17:16
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00598

Quant Time: Oct 05 04:40:04 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 04 08:45:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	496897	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	424700	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	161946	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	158679	4.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.00%
7) Chloroethane-d5	2.63	69	147015	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.80%
11) 1,1-Dichloroethene-d2	3.64	63	400546	4.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.00%
20) 2-Butanone-d5	6.59	46	233639	53.48	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.96%
24) Chloroform-d	7.20	84	335098	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	7.90	65	147294	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
32) Benzene-d6	7.85	84	632618	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
36) 1,2-Dichloropropane-d6	8.90	67	175425	4.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.20%
41) Toluene-d8	9.97	98	587770	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
43) trans-1,3-Dichloropropene-	10.23	79	47320	5.48	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	109.60%
46) 2-Hexanone-d5	10.59	63	172729	52.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.78%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	76648	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.20%
64) 1,2-Dichlorobenzene-d4	13.51	152	121292	4.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	150171	4.972	ug/L #	81
3) Chloromethane	2.01	50	204620	4.764	ug/L	95
5) Vinyl chloride	2.17	62	200689	4.695	ug/L	95
6) Bromomethane	2.53	94	124049	4.648	ug/L	97
8) Chloroethane	2.66	64	119300	4.905	ug/L	93
9) Trichlorofluoromethane	2.93	101	106051	1.787	ug/L #	44
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	175956	4.850	ug/L	92
12) 1,1-Dichloroethene	3.66	96	186103	4.961	ug/L	75
13) Acetone	3.70	43	155143	49.000	ug/L	96
14) Carbon disulfide	3.96	76	403960	4.449	ug/L	99
15) Methyl Acetate	4.19	43	42162	4.803	ug/L	97
16) Methylene chloride	4.40	84	155915	4.520	ug/L	96
17) Methyl tert-butyl Ether	4.90	73	194024	4.671	ug/L	99
18) trans-1,2-Dichloroethene	4.89	96	143907	4.639	ug/L	87
19) 1,1-Dichloroethane	5.69	63	292573	4.763	ug/L	96
21) 2-Butanone	6.69	43	206588	47.438	ug/L	94
22) cis-1,2-Dichloroethene	6.67	96	148090	4.744	ug/L	87

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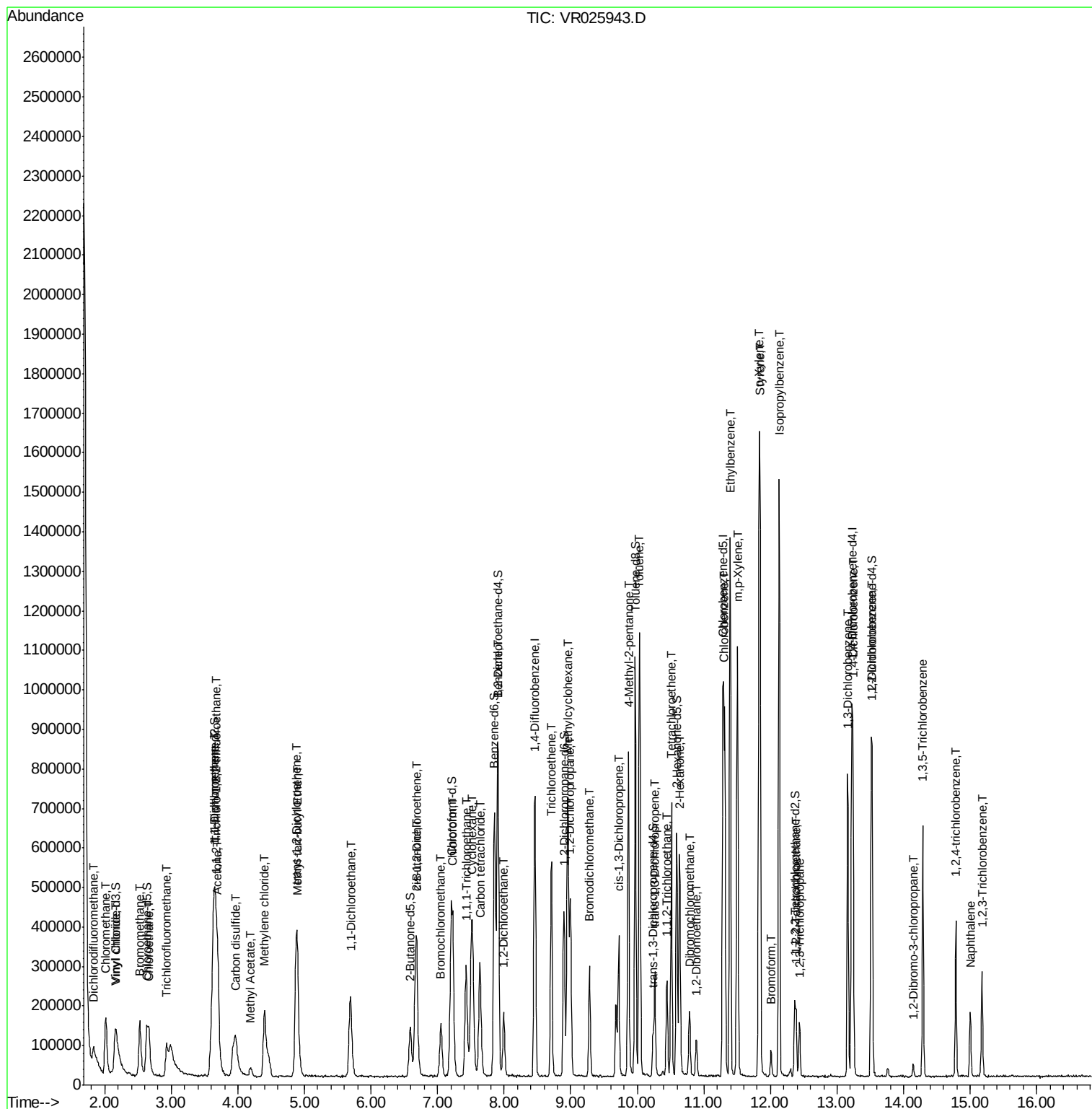
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	41354	4.883	ug/L	94
25) Chloroform	7.23	83	286084	4.783	ug/L	96
27) 1,2-Dichloroethane	7.99	62	142993	4.791	ug/L	98
29) 1,1,1-Trichloroethane	7.43	97	239321	5.011	ug/L	99
30) Cyclohexane	7.52	56	256698	4.302	ug/L	98
31) Carbon tetrachloride	7.63	117	214642	5.190	ug/L	98
33) Benzene	7.91	78	661661	4.645	ug/L	100
34) Trichloroethene	8.71	95	172338	4.592	ug/L	93
35) Methylcyclohexane	8.96	83	259350	4.595	ug/L	98
37) 1,2-Dichloropropane	9.00	63	145099	4.748	ug/L	99
38) Bromodichloromethane	9.28	83	157752	4.785	ug/L #	86
39) cis-1,3-Dichloropropene	9.72	75	176653	5.156	ug/L	93
40) 4-Methyl-2-pentanone	9.87	43	509409	47.406	ug/L	97
42) Toluene	10.03	91	709241	4.792	ug/L	98
44) trans-1,3-Dichloropropene	10.26	75	119197	5.328	ug/L	98
45) 1,1,2-Trichloroethane	10.45	97	62874	4.549	ug/L	92
47) Tetrachloroethene	10.51	164	114691	4.959	ug/L	91
48) 2-Hexanone	10.63	43	345117	49.054	ug/L	99
49) Dibromochloromethane	10.79	129	69604	4.962	ug/L	98
50) 1,2-Dibromoethane	10.89	107	52100	4.777	ug/L #	94
51) Chlorobenzene	11.32	112	385800	4.914	ug/L	95
52) Ethylbenzene	11.39	91	823707	4.876	ug/L	97
53) m,p-Xylene	11.50	106	295530	4.914	ug/L	90
54) o-Xylene	11.83	106	276742	4.943	ug/L	92
55) Styrene	11.84	104	426143	4.890	ug/L	94
56) Isopropylbenzene	12.13	105	791027	5.123	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	64667	4.855	ug/L	91
59) 1,2,3-Trichloropropane	12.43	75	45097	4.550	ug/L	97
61) Bromoform	12.01	173	24674	5.040	ug/L	93
62) 1,3-Dichlorobenzene	13.16	146	230676	4.874	ug/L	91
63) 1,4-Dichlorobenzene	13.24	146	231275	4.777	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	176940	4.653	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.14	75	6624	4.143	ug/L	92
67) 1,3,5-Trichlorobenzene	14.29	180	139599	4.951	ug/L	95
68) 1,2,4-trichlorobenzene	14.78	180	84852	4.721	ug/L	98
69) Naphthalene	15.00	128	104986	4.577	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	58651	4.704	ug/L	95

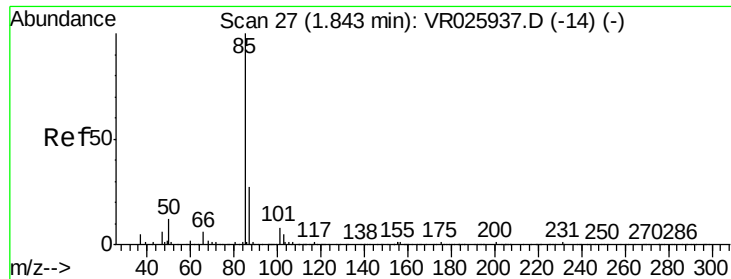
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#2

Dichlorodifluoromethane

Concen: 4.972 ug/L

RT: 1.83 min Scan# 25

Delta R.T. -0.01 min

Lab File: VR025943.D

Acq: 4 Oct 2018 17:16

Instrument :

MSVOA_R

ClientSampleId :

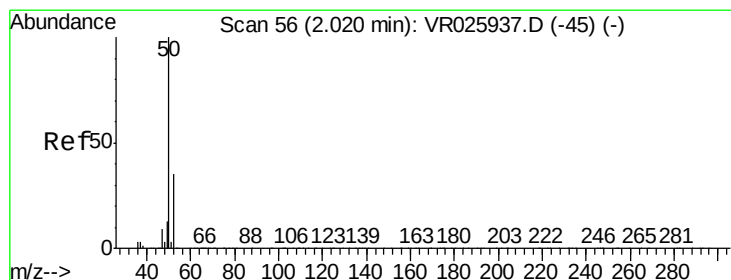
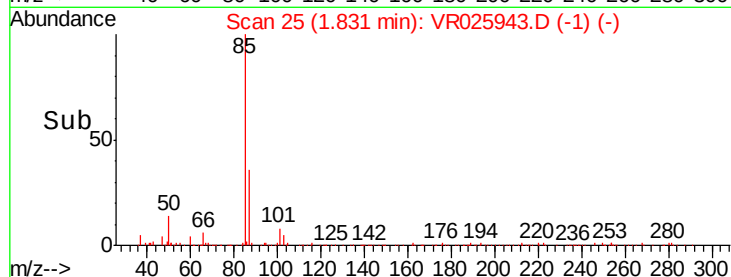
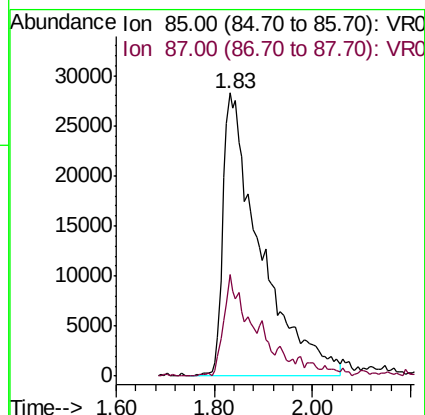
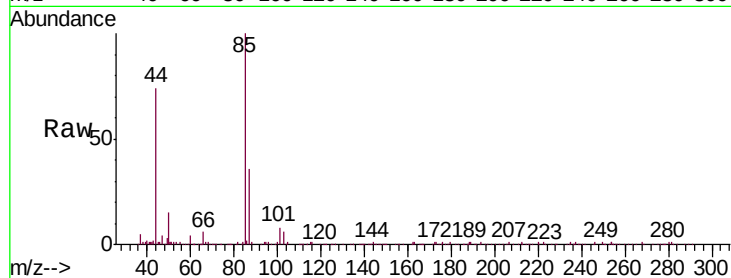
VSTD00598

Tgt Ion: 85 Resp: 150171

Ion Ratio Lower Upper

85 100

87 21.1 25.1 37.7#



#3

Chloromethane

Concen: 4.764 ug/L

RT: 2.01 min Scan# 55

Delta R.T. -0.01 min

Lab File: VR025943.D

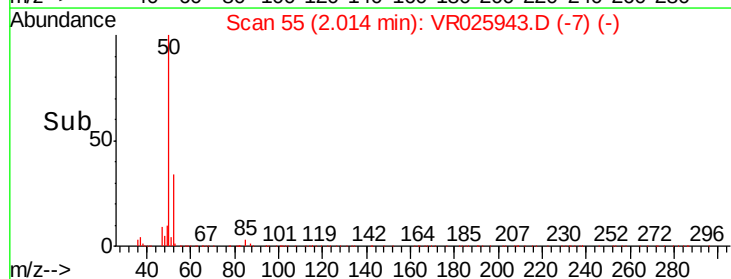
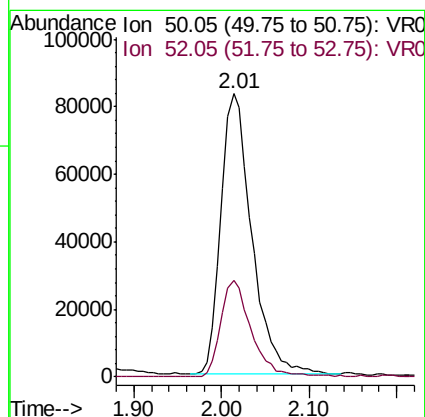
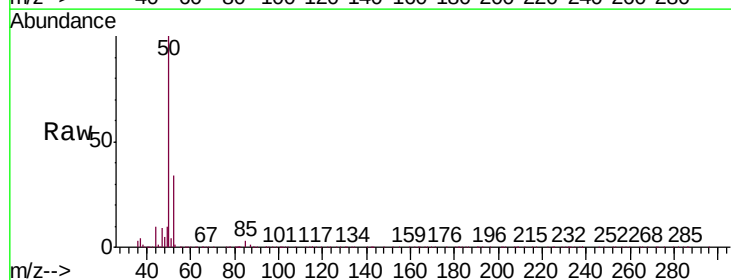
Acq: 4 Oct 2018 17:16

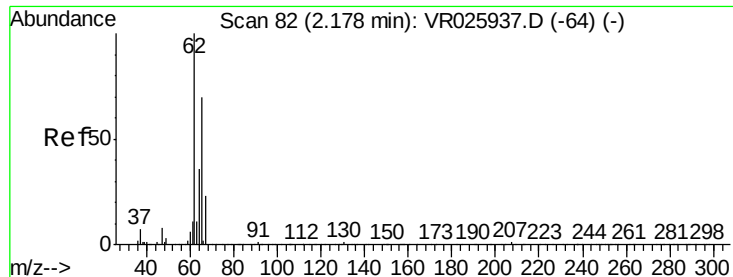
Tgt Ion: 50 Resp: 204620

Ion Ratio Lower Upper

50 100

52 34.3 22.1 41.1





#5

Vinyl chloride

Concen: 4.695 ug/L

RT: 2.17 min Scan# 81

Delta R.T. -0.01 min

Lab File: VR025943.D

Acq: 4 Oct 2018 17:16

Instrument :

MSVOA_R

ClientSampleId :

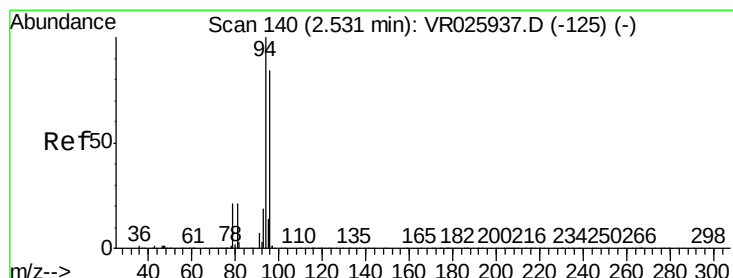
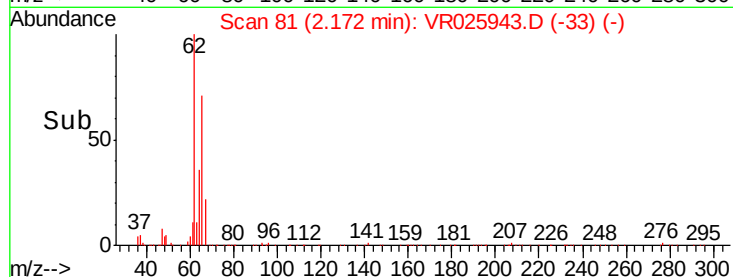
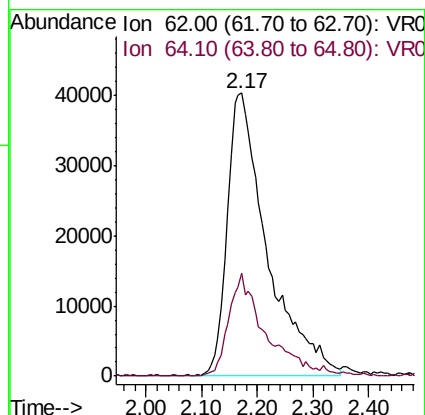
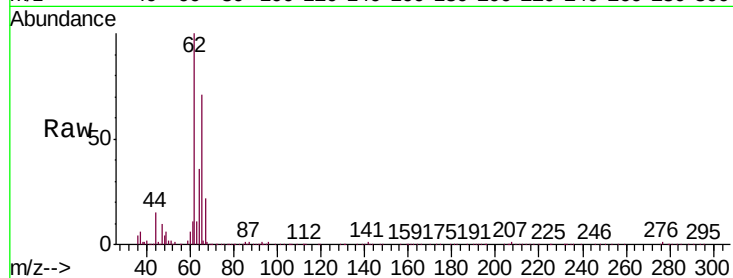
VSTD00598

Tgt Ion: 62 Resp: 200689

Ion Ratio Lower Upper

62 100

64 36.2 23.5 43.7



#6

Bromomethane

Concen: 4.648 ug/L

RT: 2.53 min Scan# 140

Delta R.T. 0.00 min

Lab File: VR025943.D

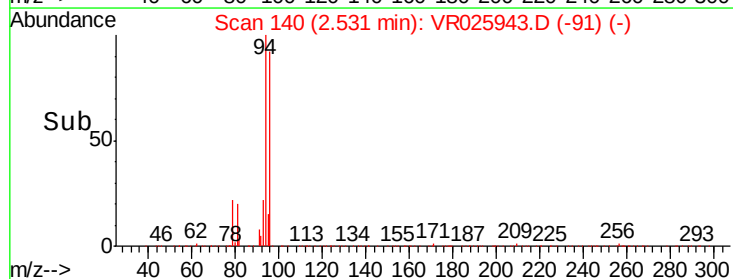
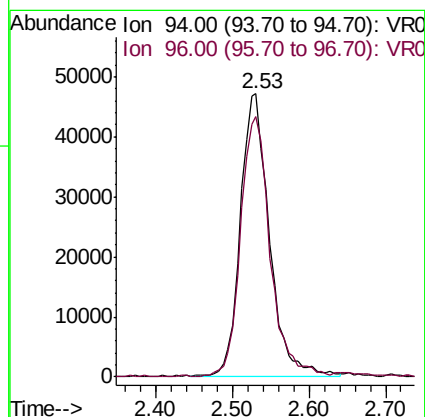
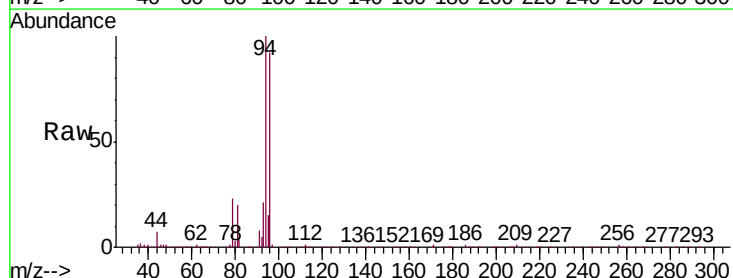
Acq: 4 Oct 2018 17:16

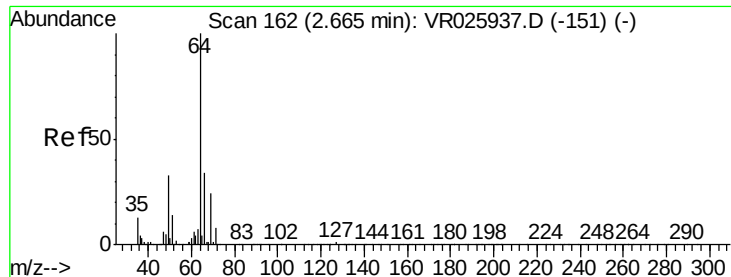
Tgt Ion: 94 Resp: 124049

Ion Ratio Lower Upper

94 100

96 91.9 66.1 122.8

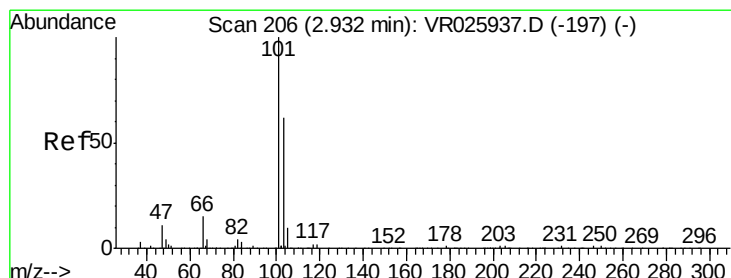
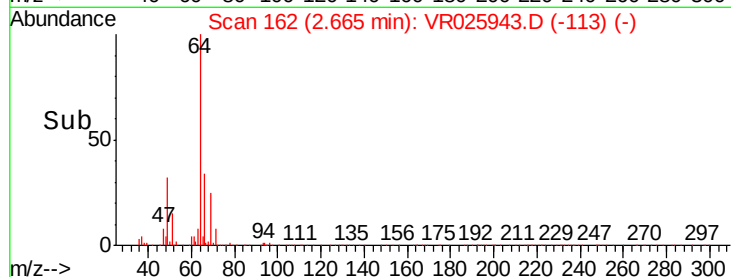
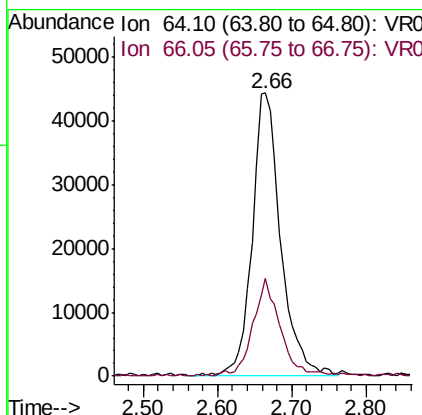
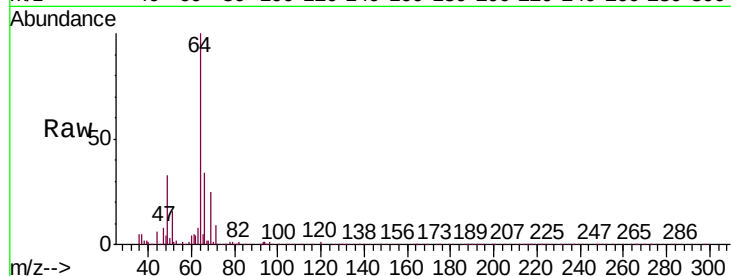




#8
Chloroethane
Concen: 4.905 ug/L
RT: 2.66 min Scan# 162
Delta R.T. 0.00 min
Lab File: VR025943.D
Acq: 4 Oct 2018 17:16

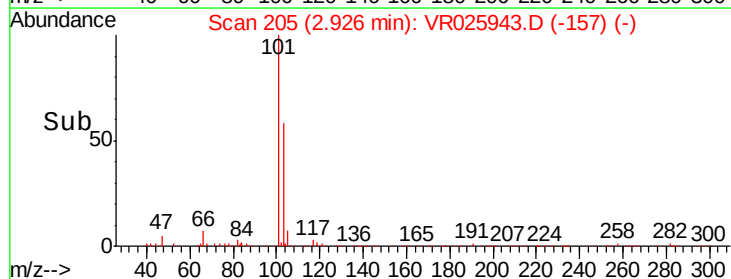
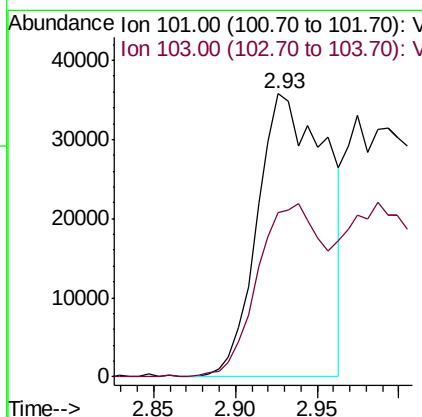
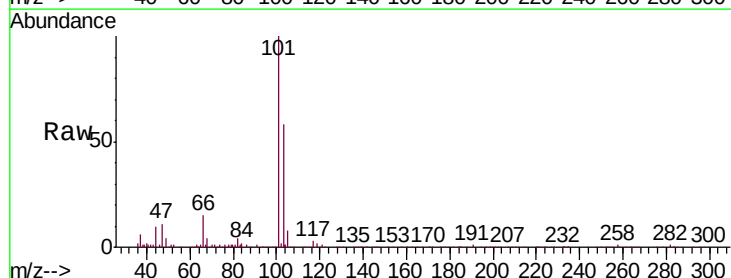
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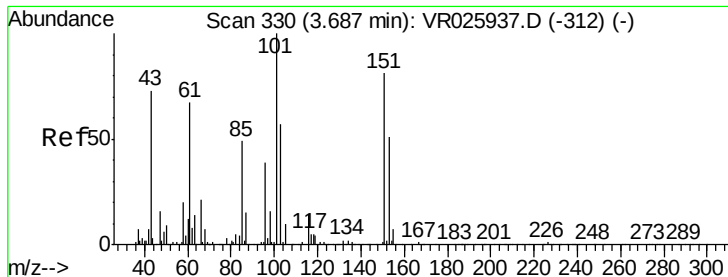
Tgt Ion: 64 Resp: 119300
Ion Ratio Lower Upper
64 100
66 34.4 21.3 39.5



#9
Trichlorofluoromethane
Concen: 1.787 ug/L
RT: 2.93 min Scan# 205
Delta R.T. -0.01 min
Lab File: VR025943.D
Acq: 4 Oct 2018 17:16

Tgt Ion: 101 Resp: 106051
Ion Ratio Lower Upper
101 100
103 56.7 22.1 33.1#





#10

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

Concen: 4.850 ug/L

RT: 3.69 min Scan# 330

Delta R.T. 0.00 min

Lab File: VR025943.D

Acq: 4 Oct 2018 17:16

Instrument :

MSVOA_R

ClientSampleId :

VSTD00598

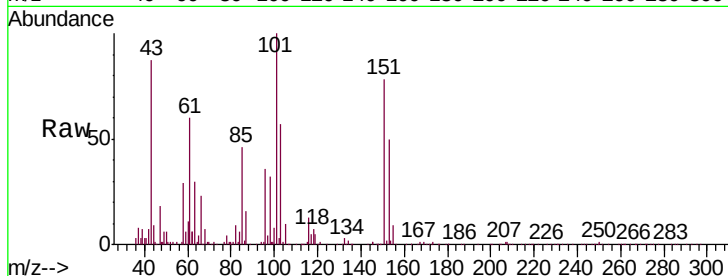
Tgt Ion: 101 Resp: 175956

Ion Ratio Lower Upper

101 100

85 49.6 38.2 57.4

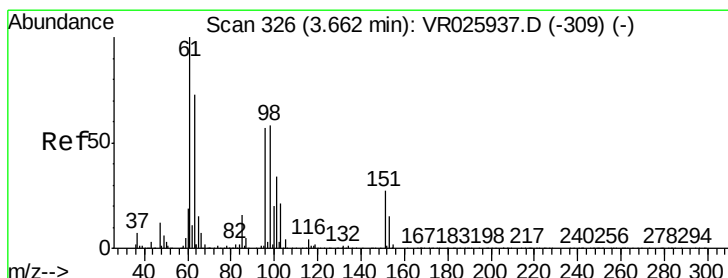
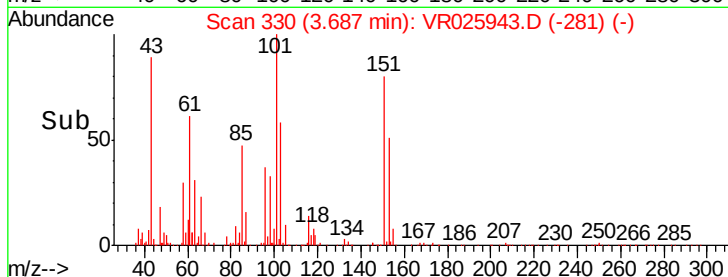
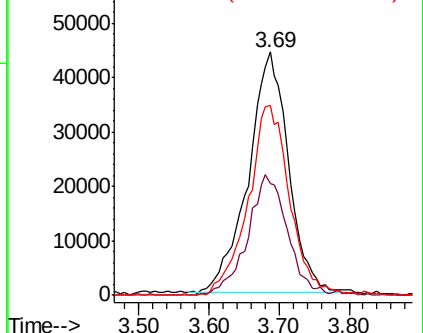
151 82.0 58.4 87.6



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: 4.961 ug/L

RT: 3.66 min Scan# 325

Delta R.T. -0.01 min

Lab File: VR025943.D

Acq: 4 Oct 2018 17:16

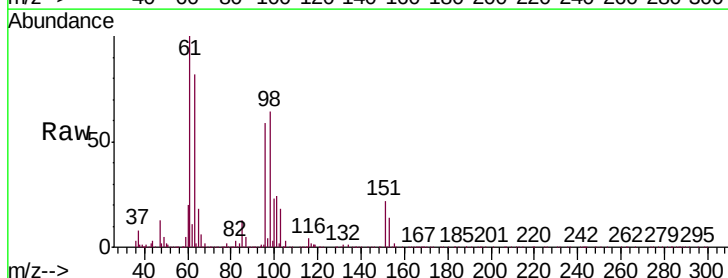
Tgt Ion: 96 Resp: 186103

Ion Ratio Lower Upper

96 100

61 169.7 145.0 269.4

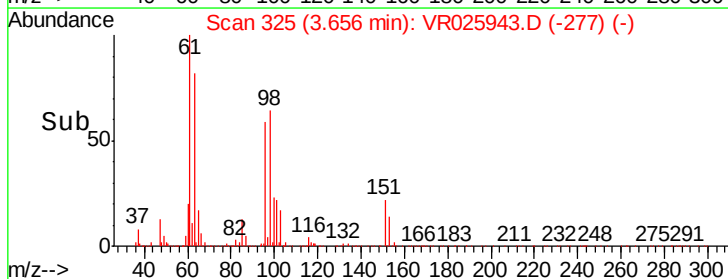
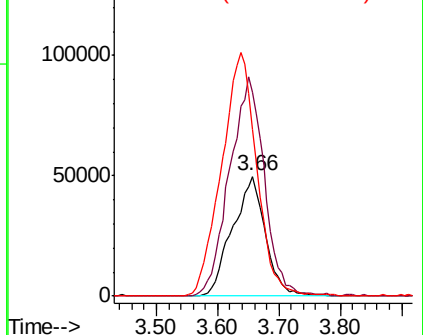
63 139.5 123.8 230.0

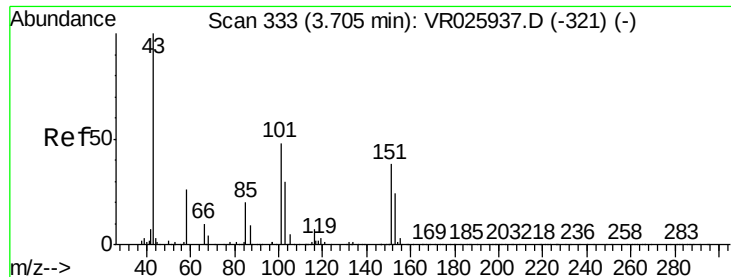


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 49.000 ug/L

RT: 3.70 min Scan# 332

Delta R.T. -0.01 min

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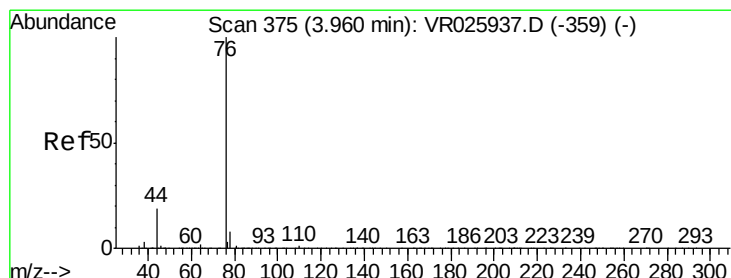
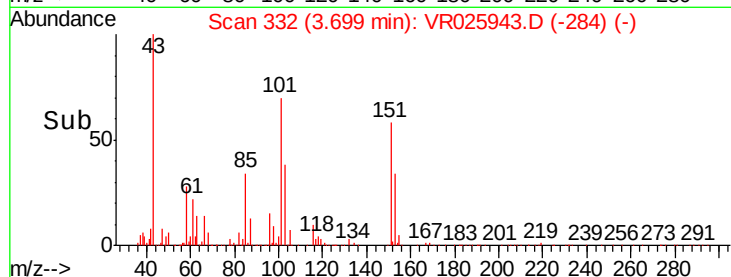
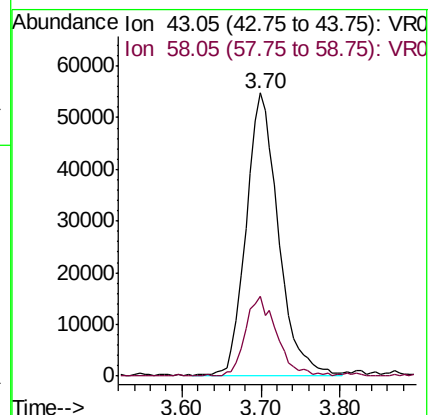
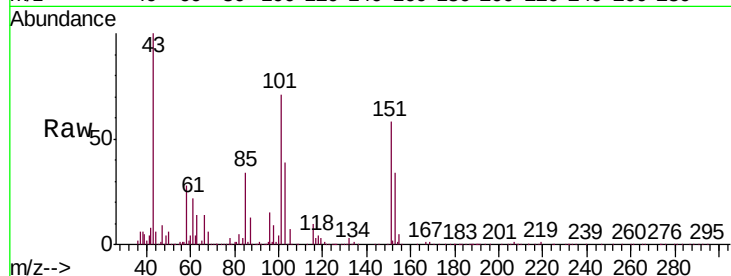
VSTD00598

Tgt Ion: 43 Resp: 155143

Ion Ratio Lower Upper

43 100

58 27.5 0.0 51.4



#14

Carbon disulfide

Concen: 4.449 ug/L

RT: 3.96 min Scan# 375

Delta R.T. 0.00 min

Lab File: VR025943.D

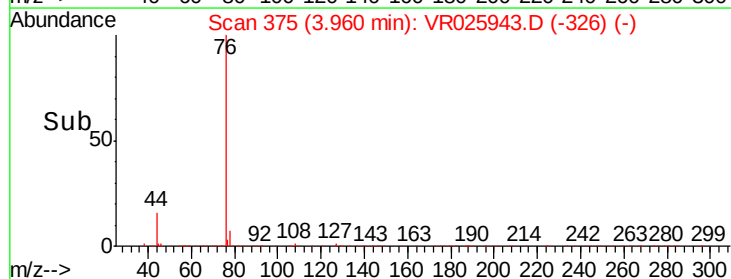
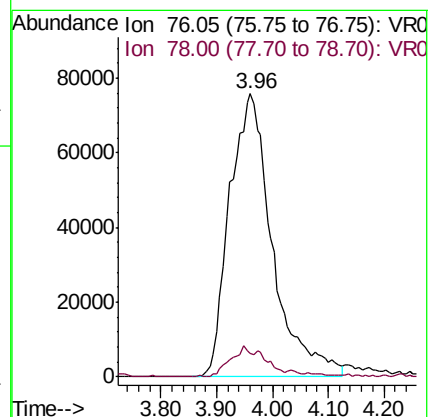
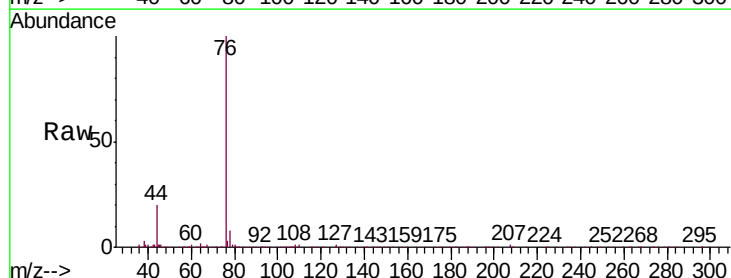
Acq: 4 Oct 2018 17:16

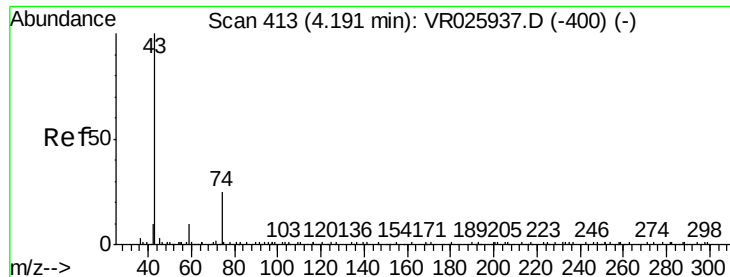
Tgt Ion: 76 Resp: 403960

Ion Ratio Lower Upper

76 100

78 8.4 7.0 10.6





#15

Methyl Acetate

Concen: 4.803 ug/L

RT: 4.19 min Scan# 413

Delta R.T. 0.00 min

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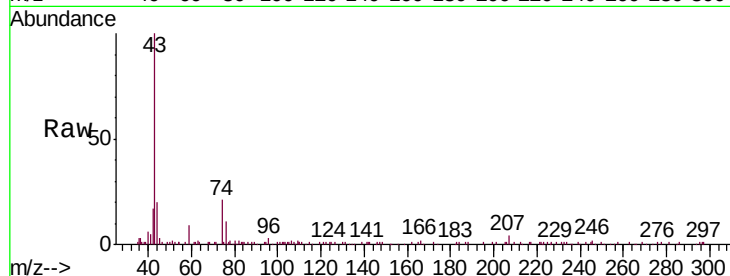
VSTD00598

Tgt Ion: 43 Resp: 42162

Ion Ratio Lower Upper

43 100

74 22.0 19.0 28.4



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0

15000

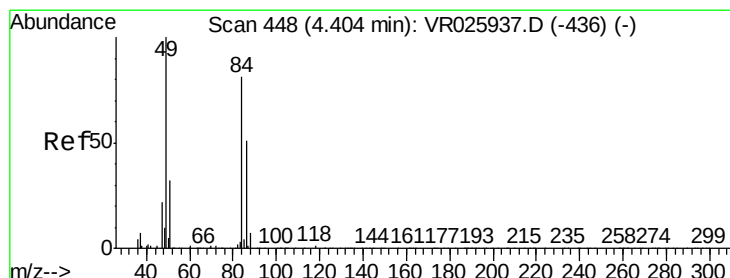
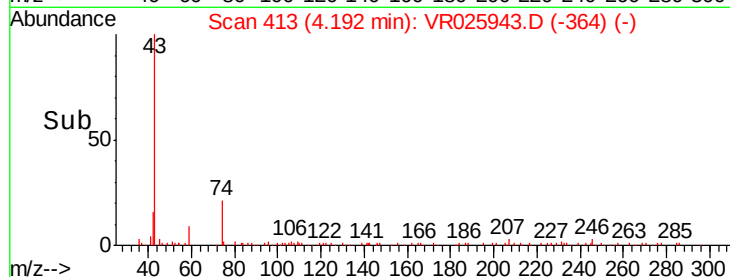
10000

5000

0

4.10 4.20 4.30

Time-->



#16

Methylene chloride

Concen: 4.520 ug/L

RT: 4.40 min Scan# 448

Delta R.T. 0.00 min

Lab File: VR025943.D

Acq: 4 Oct 2018 17:16

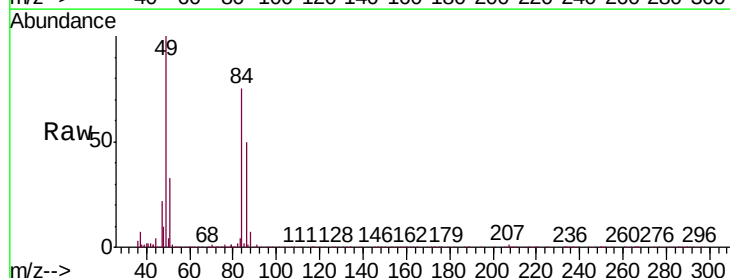
Tgt Ion: 84 Resp: 155915

Ion Ratio Lower Upper

84 100

86 66.7 43.1 80.1

49 133.9 95.5 177.3



Abundance Ion 84.05 (83.75 to 84.75): VR0

Ion 86.00 (85.70 to 86.70): VR0

Ion 49.10 (48.80 to 49.80): VR0

60000

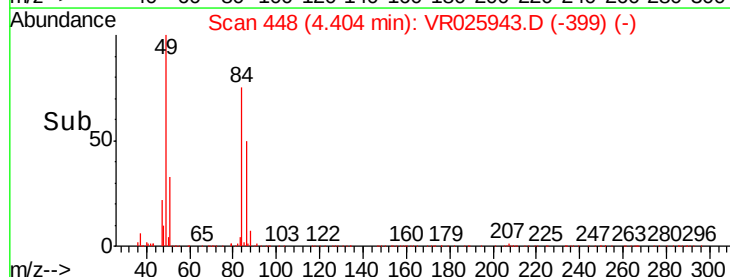
40000

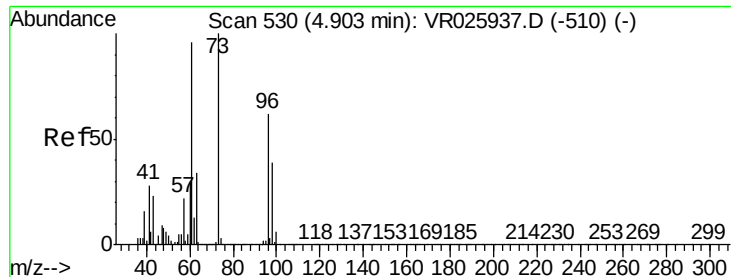
20000

0

4.30 4.40 4.50 4.60

Time-->

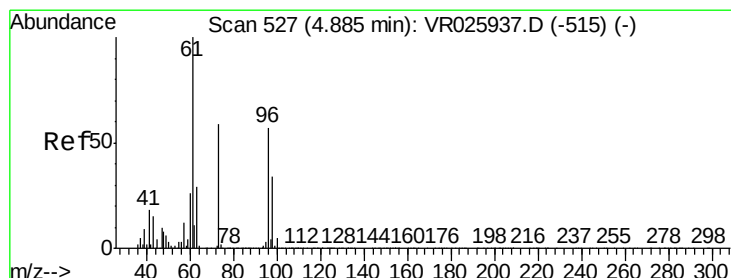
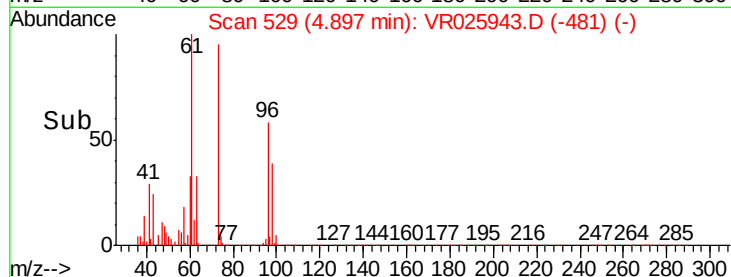
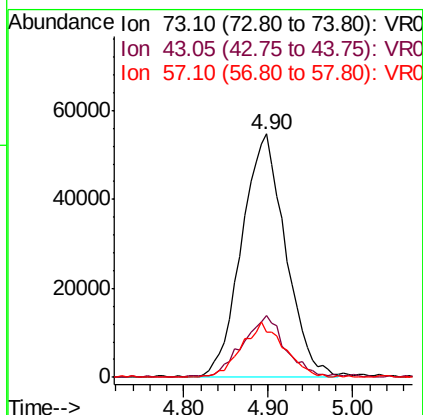
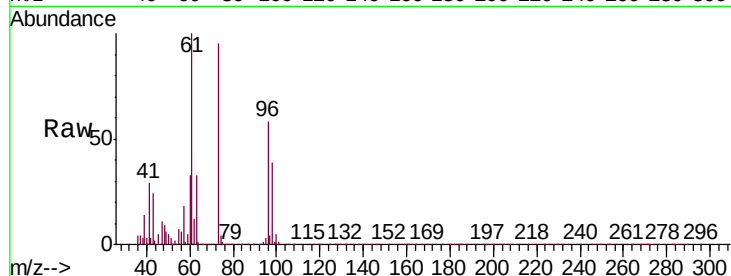




#17
Methyl tert-butyl Ether
Concen: 4.671 ug/L
RT: 4.90 min Scan# 529
Delta R.T. -0.01 min
Lab File: VR025943.D
Acq: 4 Oct 2018 17:16

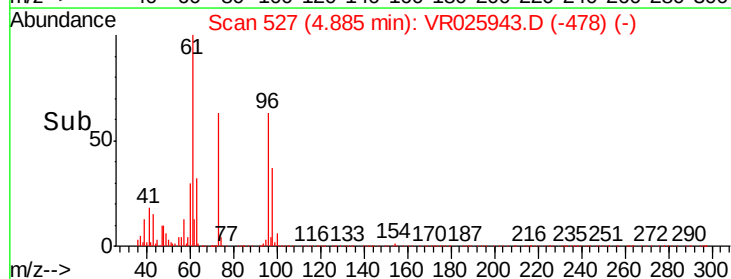
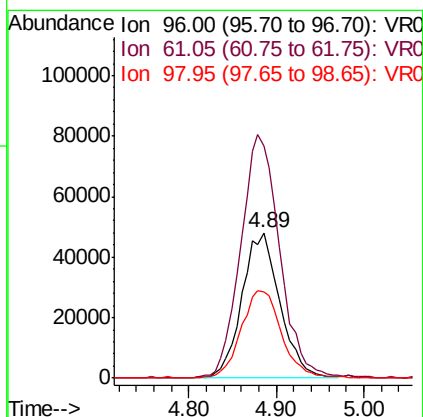
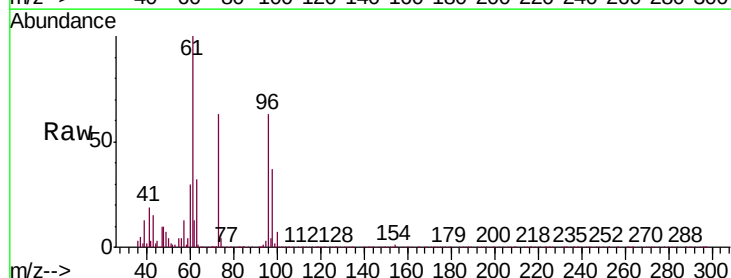
Instrument :
MSVOA_R
ClientSampleId :
VSTD00598

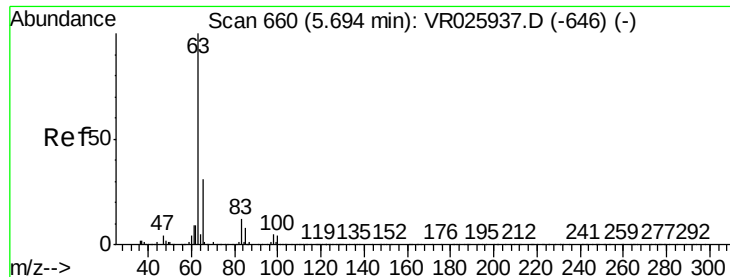
Tgt Ion: 73 Resp: 194024
Ion Ratio Lower Upper
73 100
43 24.2 19.8 29.8
57 22.0 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 4.639 ug/L
RT: 4.89 min Scan# 527
Delta R.T. 0.00 min
Lab File: VR025943.D
Acq: 4 Oct 2018 17:16

Tgt Ion: 96 Resp: 143907
Ion Ratio Lower Upper
96 100
61 159.3 127.4 236.6
98 59.3 43.8 81.3

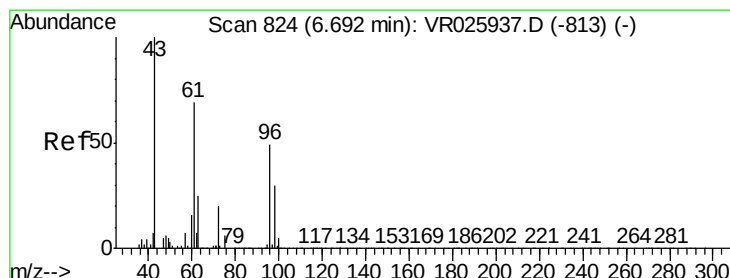
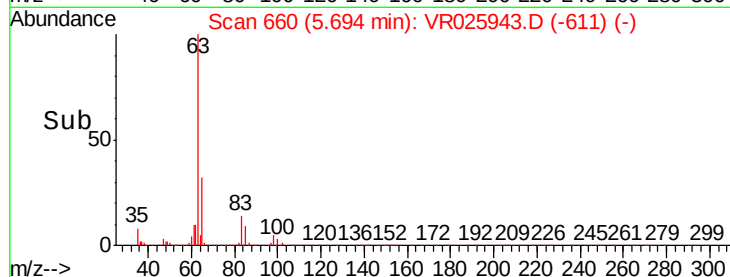
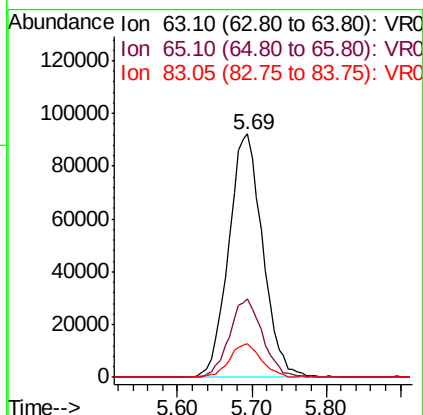
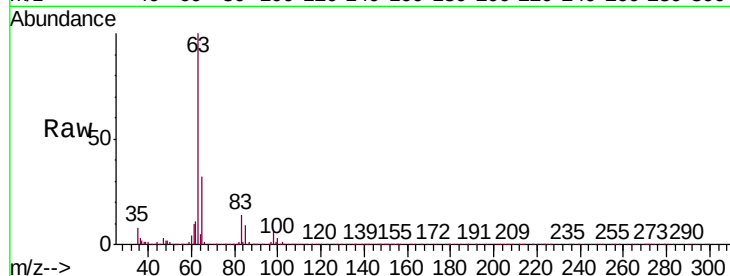




#19
 1,1-Dichloroethane
 Concen: 4.763 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VR025943.D
 Acq: 4 Oct 2018 17:16

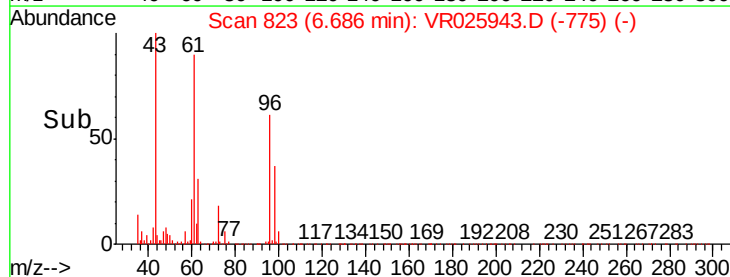
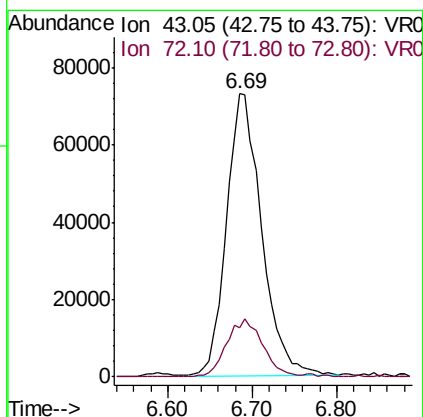
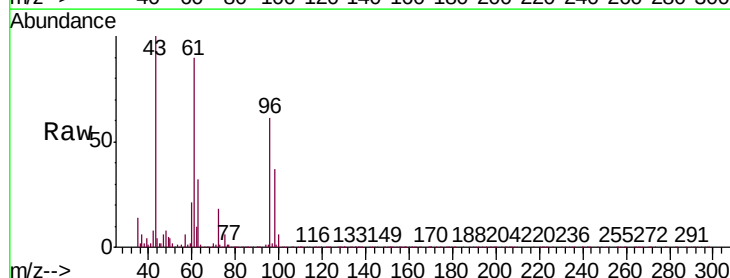
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00598

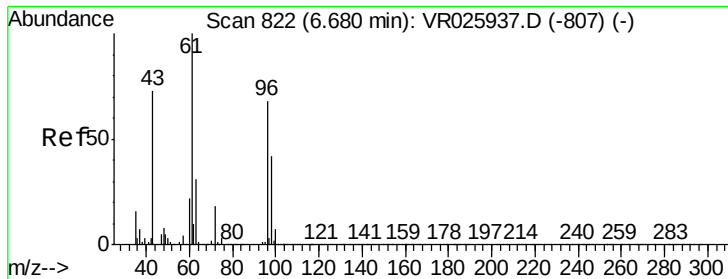
Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.3	21.1	39.1
83	13.7	8.9	16.5



#21
 2-Butanone
 Concen: 47.438 ug/L
 RT: 6.69 min Scan# 823
 Delta R.T. -0.01 min
 Lab File: VR025943.D
 Acq: 4 Oct 2018 17:16

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.0	11.9	35.7



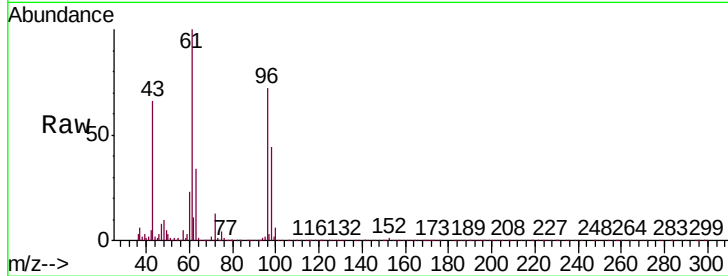


#22

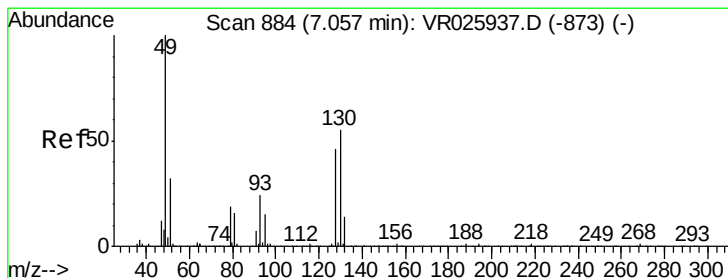
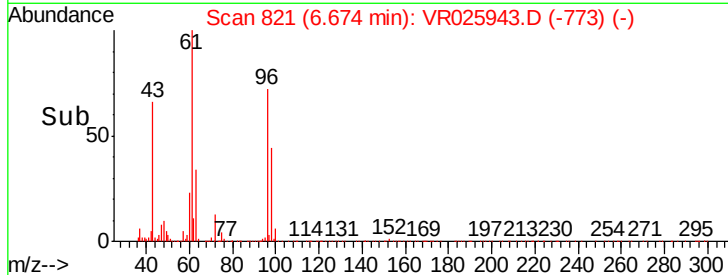
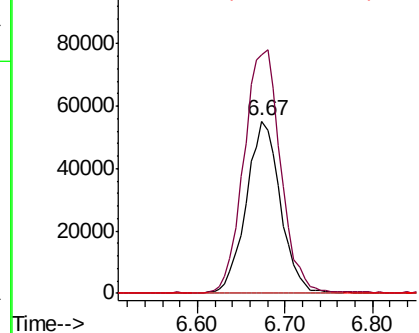
cis-1,2-Dichloroethene
Concen: 4.744 ug/L
RT: 6.67 min Scan# 821
Delta R.T. -0.01 min
Lab File: VR025943.D
Acq: 4 Oct 2018 17:16

Instrument :
MSVOA_R
ClientSampleId :
VSTD00598

Tgt Ion: 96 Resp: 148090
Ion Ratio Lower Upper
96 100
61 138.2 108.7 201.9
68 0.1 0.1 0.1



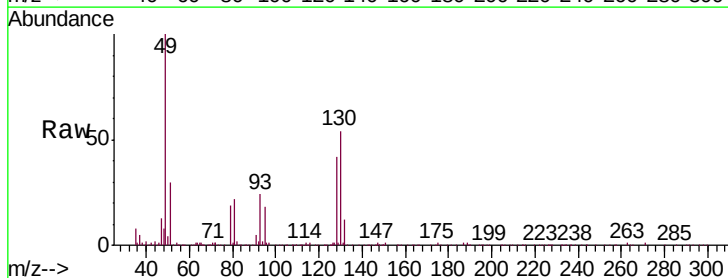
Abundance Ion 96.00 (95.70 to 96.70): VR0
Ion 61.05 (60.75 to 61.75): VR0
Ion 68.15 (67.85 to 68.85): VR0



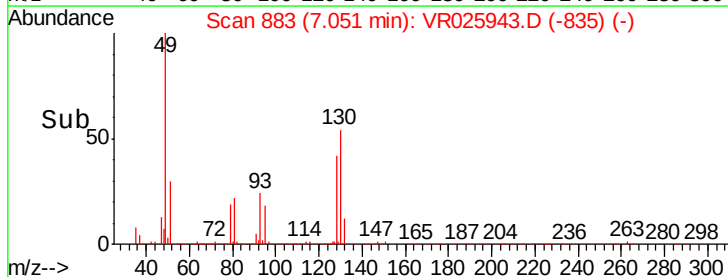
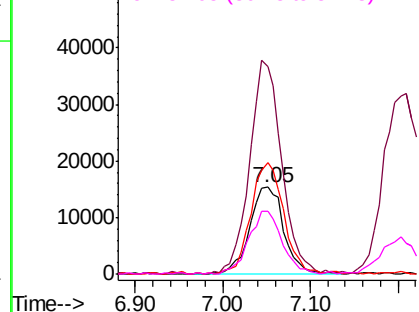
#23

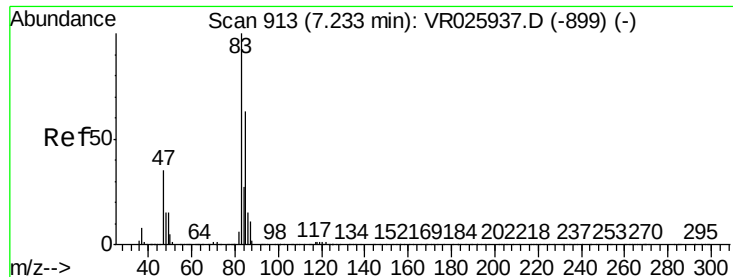
Bromochloromethane
Concen: 4.883 ug/L
RT: 7.05 min Scan# 883
Delta R.T. -0.01 min
Lab File: VR025943.D
Acq: 4 Oct 2018 17:16

Tgt Ion: 128 Resp: 41354
Ion Ratio Lower Upper
128 100
49 238.8 175.0 325.0
130 128.9 85.6 159.0
51 72.8 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

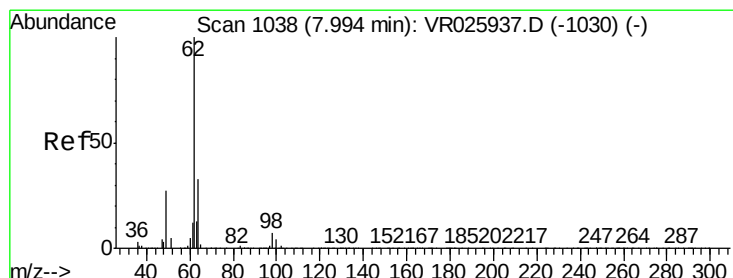
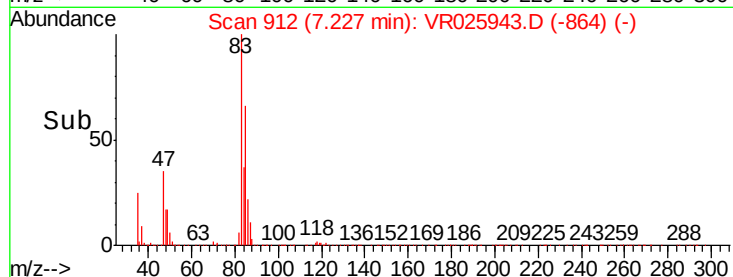
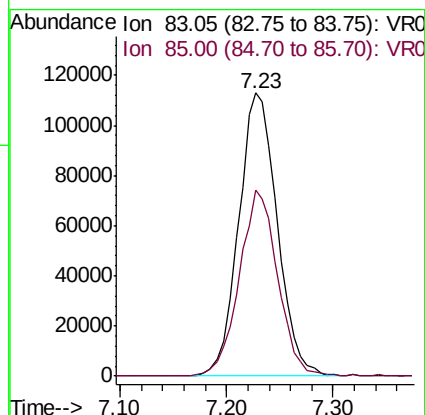
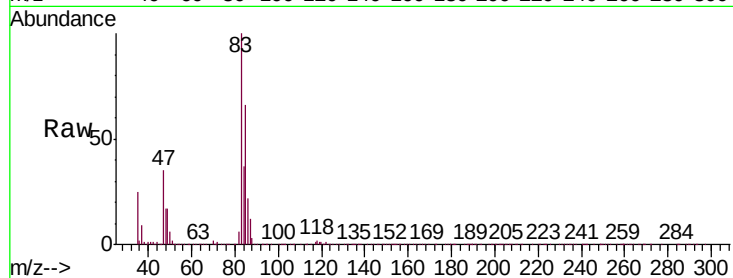




#25
Chloroform
Concen: 4.783 ug/L
RT: 7.23 min Scan# 912
Delta R.T. -0.01 min
Lab File: VR025943.D
Acq: 4 Oct 2018 17:16

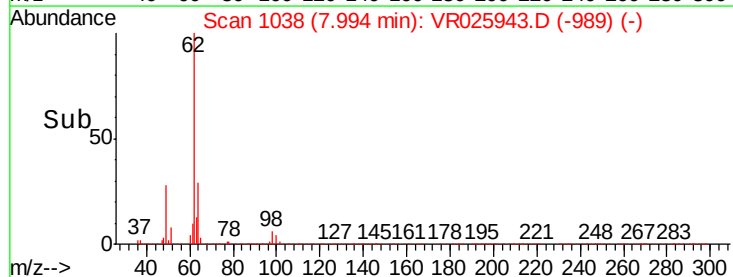
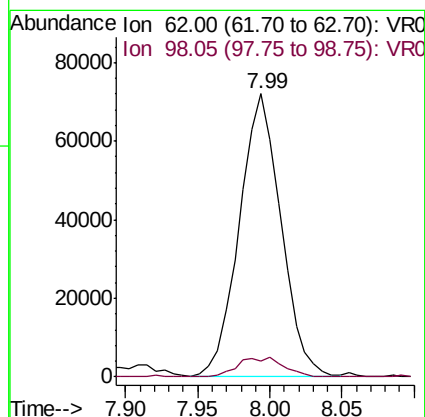
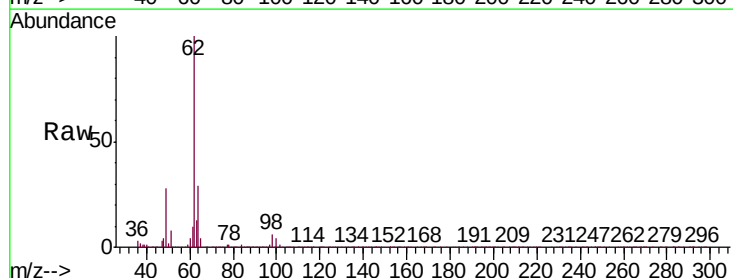
Instrument :
MSVOA_R
ClientSampleId :
VSTD00598

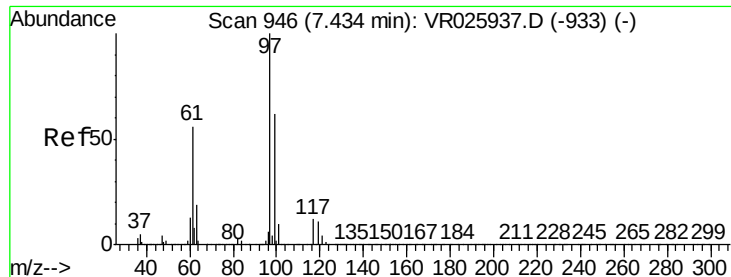
Tgt Ion: 83 Resp: 286084
Ion Ratio Lower Upper
83 100
85 65.9 43.8 81.4



#27
1,2-Dichloroethane
Concen: 4.791 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VR025943.D
Acq: 4 Oct 2018 17:16

Tgt Ion: 62 Resp: 142993
Ion Ratio Lower Upper
62 100
98 5.7 5.2 7.8





#29

1,1,1-Trichloroethane

Concen: 5.011 ug/L

RT: 7.43 min Scan# 945

Delta R.T. -0.01 min

Lab File: VR025943.D

Acq: 4 Oct 2018 17:16

Instrument :

MSVOA_R

ClientSampleId :

VSTD00598

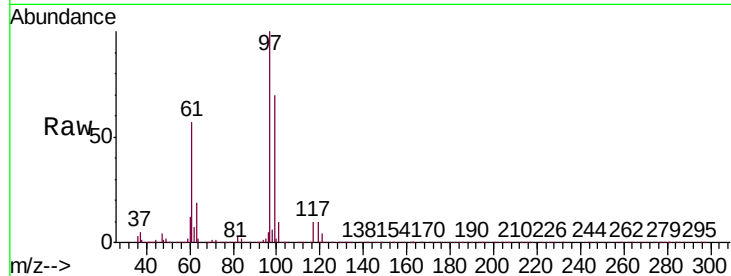
Tgt Ion: 97 Resp: 239321

Ion Ratio Lower Upper

97 100

99 63.7 51.0 76.6

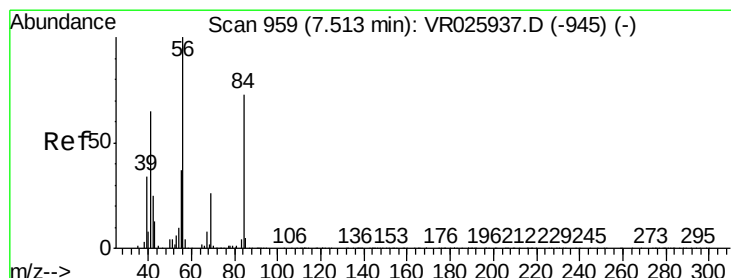
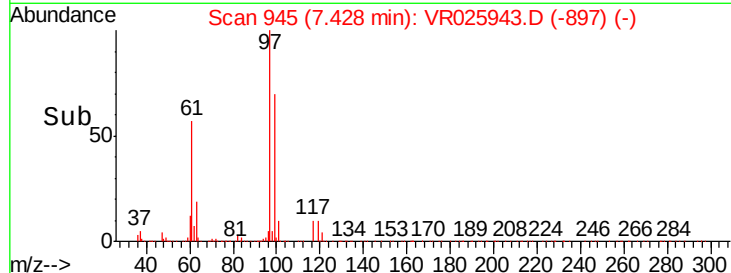
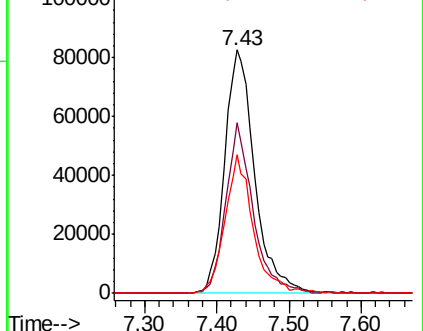
61 53.6 41.6 62.4



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: 4.302 ug/L

RT: 7.52 min Scan# 960

Delta R.T. 0.01 min

Lab File: VR025943.D

Acq: 4 Oct 2018 17:16

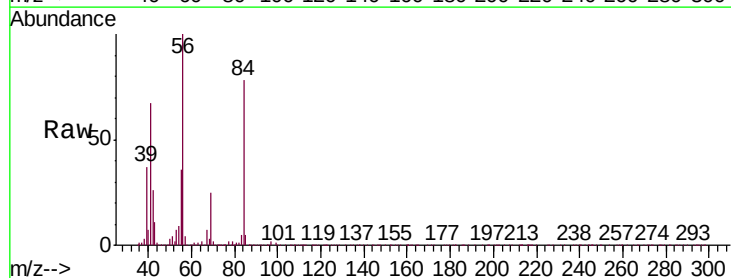
Tgt Ion: 56 Resp: 256698

Ion Ratio Lower Upper

56 100

69 29.7 24.8 37.2

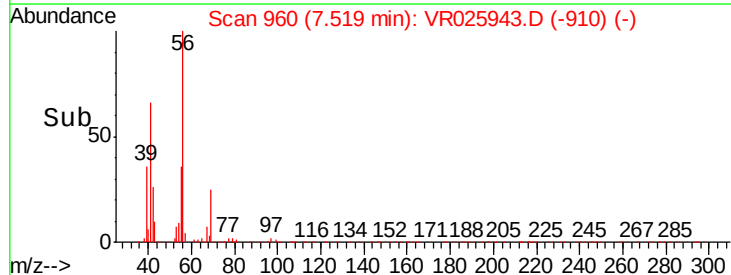
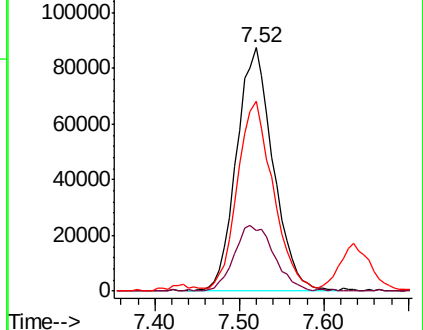
84 76.3 59.8 89.8

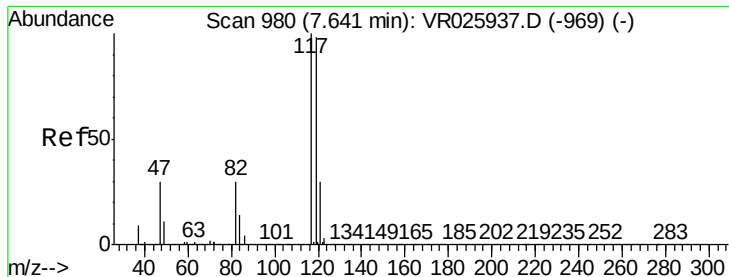


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 5.190 ug/L

RT: 7.63 min Scan# 979

Delta R.T. -0.01 min

Lab File: VR025943.D

Acq: 4 Oct 2018 17:16

Instrument :

MSVOA_R

ClientSampleId :

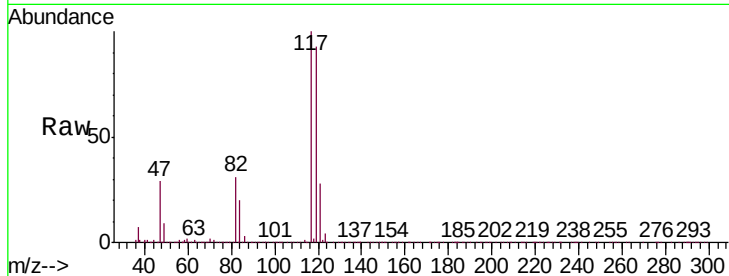
VSTD00598

Tgt Ion:117 Resp: 214642

Ion Ratio Lower Upper

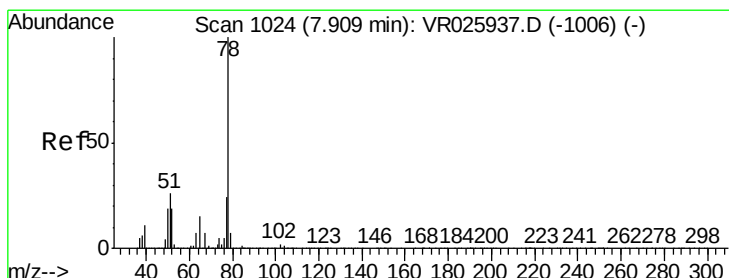
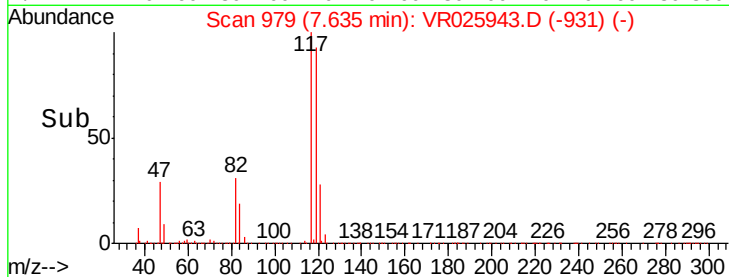
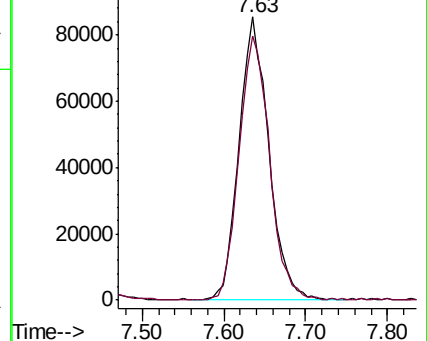
117 100

119 96.0 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: 4.645 ug/L

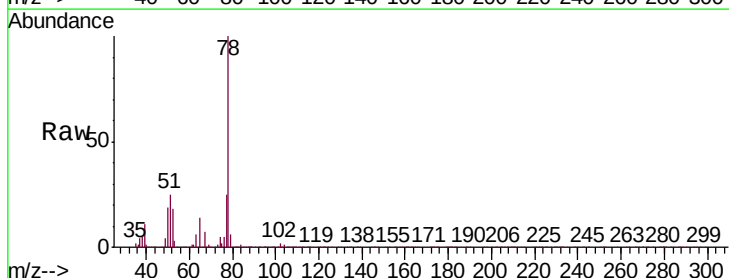
RT: 7.91 min Scan# 1024

Delta R.T. 0.00 min

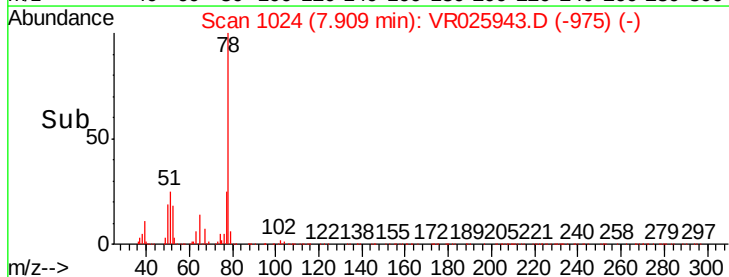
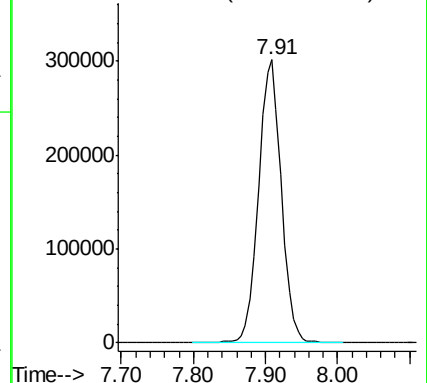
Lab File: VR025943.D

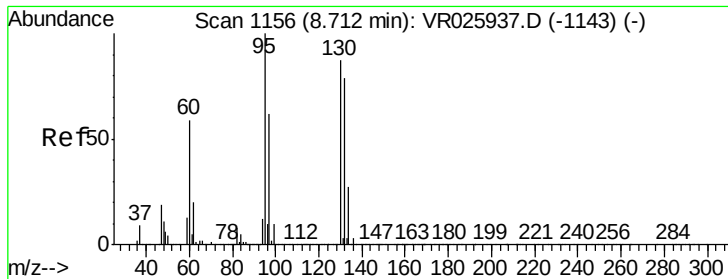
Acq: 4 Oct 2018 17:16

Tgt Ion: 78 Resp: 661661



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 4.592 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VR025943.D

Acq: 4 Oct 2018 17:16

Instrument :

MSVOA_R

ClientSampleId :

VSTD00598

Tgt Ion: 95 Resp: 172338

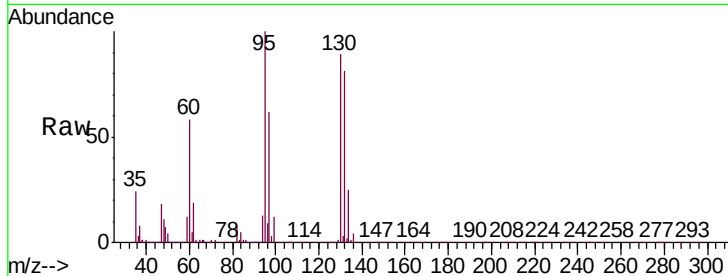
Ion Ratio Lower Upper

95 100

97 62.2 43.9 81.5

132 81.1 53.3 98.9

130 88.7 53.8 99.8

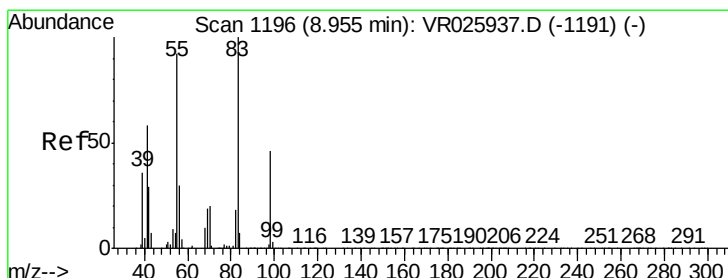
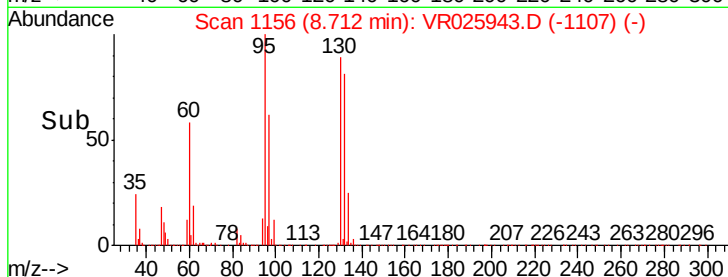
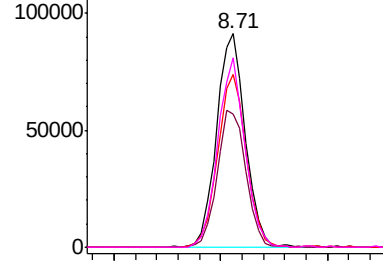


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 4.595 ug/L

RT: 8.96 min Scan# 1196

Delta R.T. 0.00 min

Lab File: VR025943.D

Acq: 4 Oct 2018 17:16

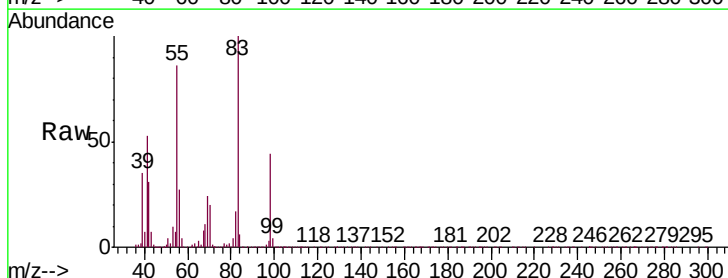
Tgt Ion: 83 Resp: 259350

Ion Ratio Lower Upper

83 100

55 88.5 71.8 107.6

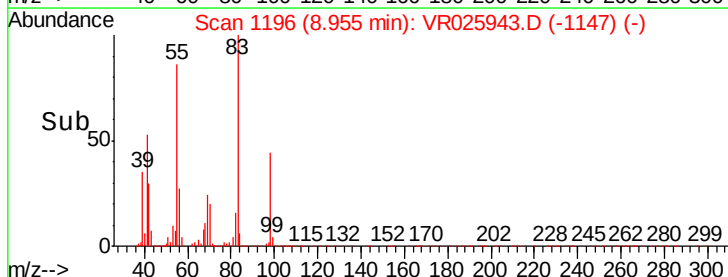
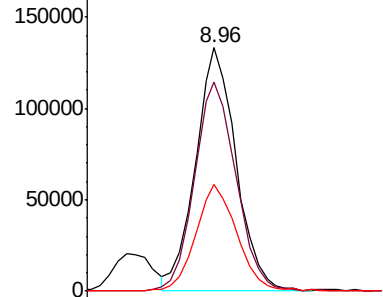
98 45.0 34.2 51.4

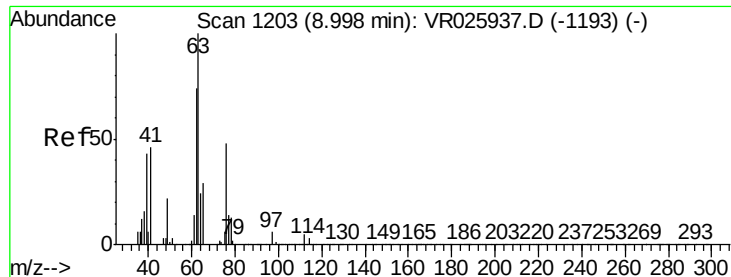


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

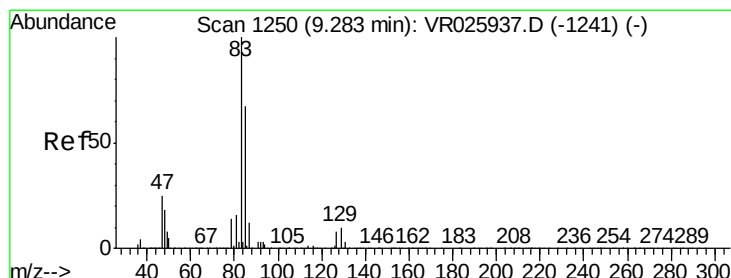
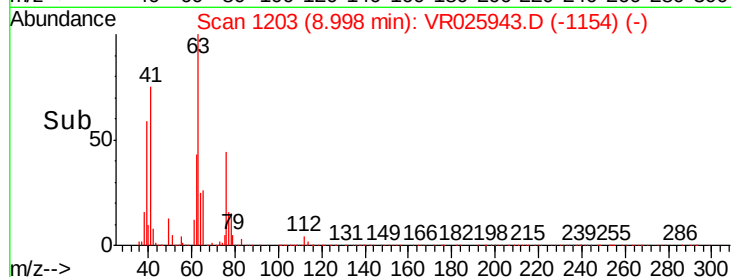
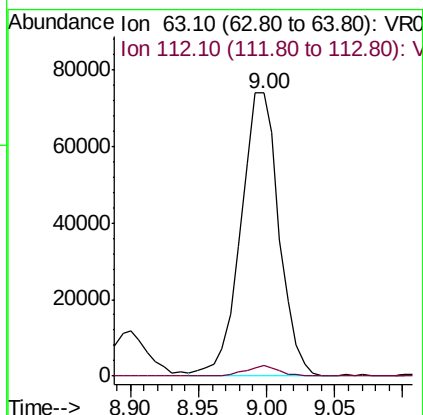
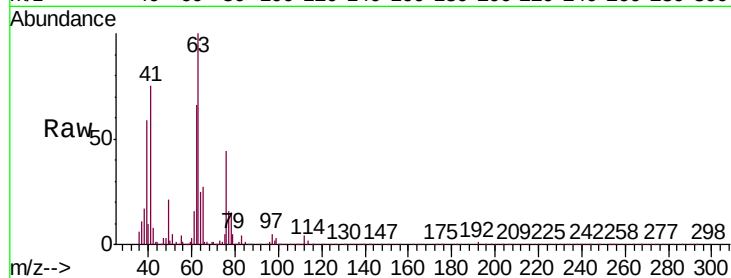




#37
 1,2-Dichloropropane
 Concen: 4.748 ug/L
 RT: 9.00 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VR025943.D
 Acq: 4 Oct 2018 17:16

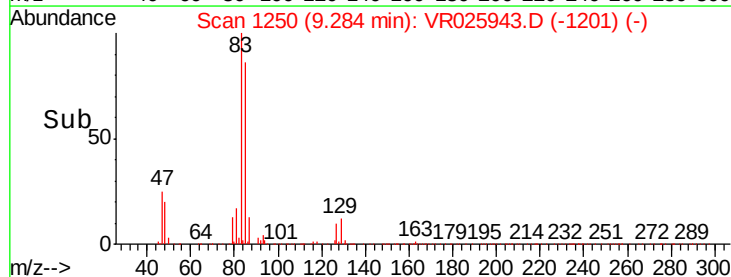
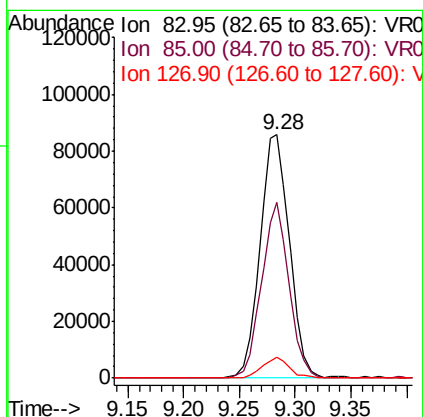
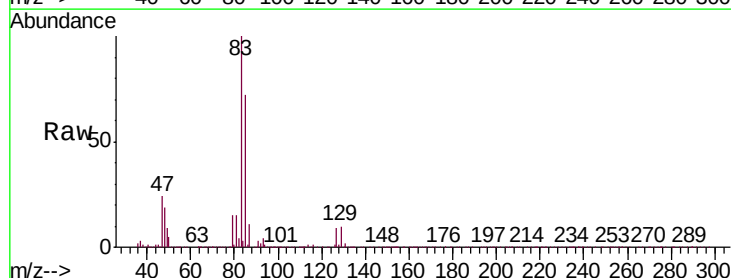
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00598

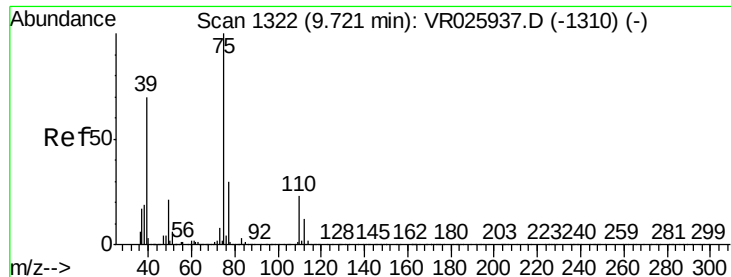
Tgt Ion: 63 Resp: 145099
 Ion Ratio Lower Upper
 63 100
 112 3.3 2.5 3.7



#38
 Bromodichloromethane
 Concen: 4.785 ug/L
 RT: 9.28 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: VR025943.D
 Acq: 4 Oct 2018 17:16

Tgt Ion: 83 Resp: 157752
 Ion Ratio Lower Upper
 83 100
 85 72.2 42.8 79.4
 127 8.8 5.6 8.4#





#39

cis-1,3-Dichloropropene

Concen: 5.156 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VR025943.D

Acq: 4 Oct 2018 17:16

Instrument :

MSVOA_R

ClientSampled :

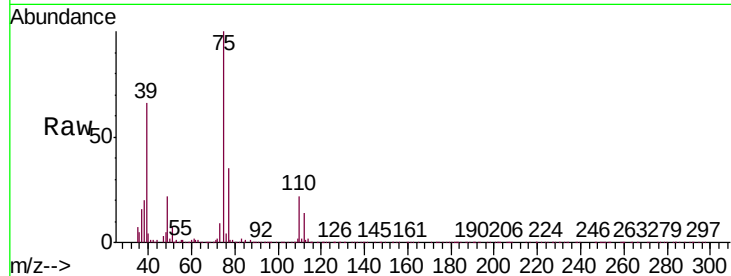
VSTD00598

Tgt Ion: 75 Resp: 176653

Ion Ratio Lower Upper

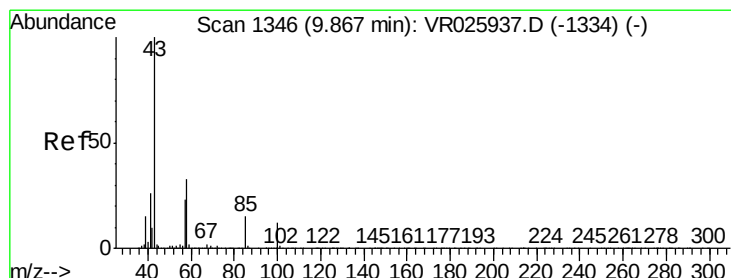
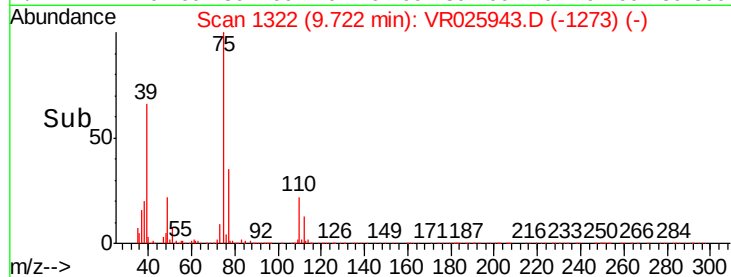
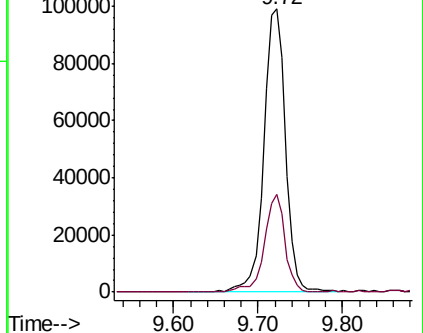
75 100

77 34.7 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: 47.406 ug/L

RT: 9.87 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VR025943.D

Acq: 4 Oct 2018 17:16

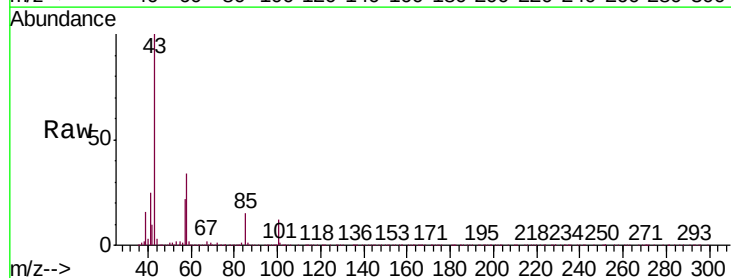
Tgt Ion: 43 Resp: 509409

Ion Ratio Lower Upper

43 100

58 33.3 28.6 43.0

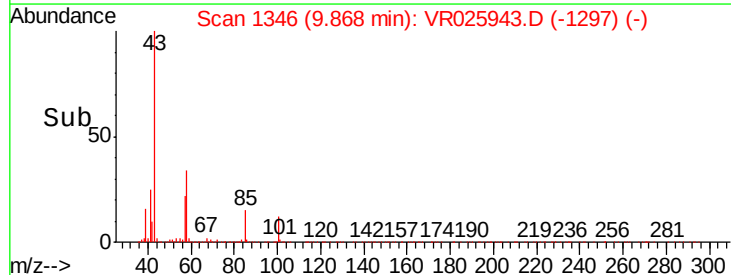
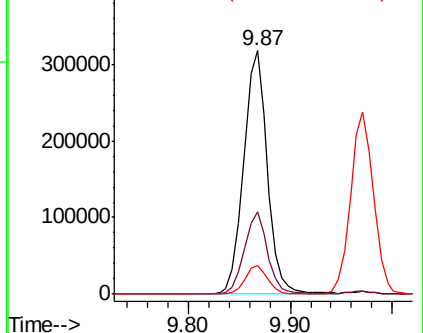
100 11.2 9.0 13.4

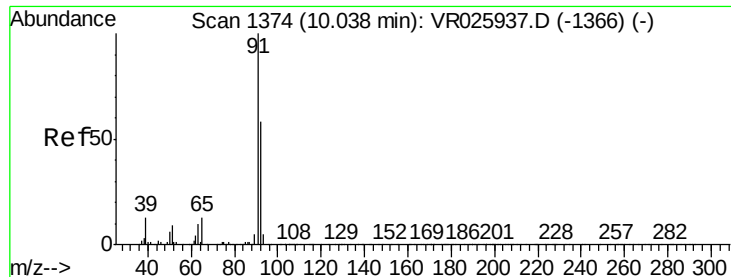


Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0





#42

Toluene

Concen: 4.792 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. -0.01 min

Lab File: VR025943.D

Acq: 4 Oct 2018 17:16

Instrument :

MSVOA_R

ClientSampleId :

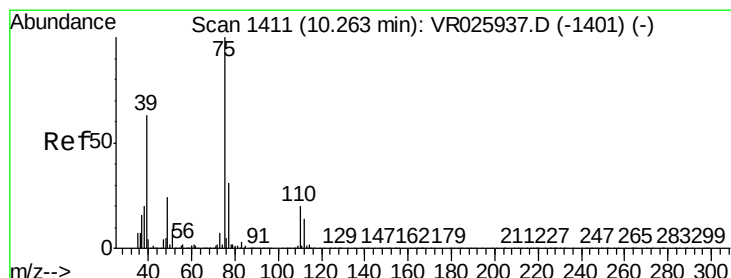
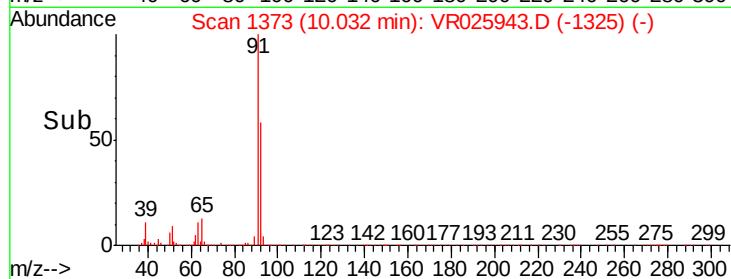
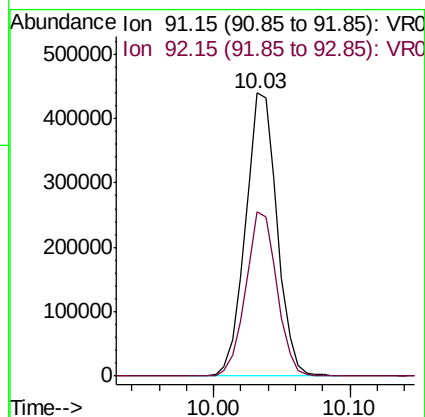
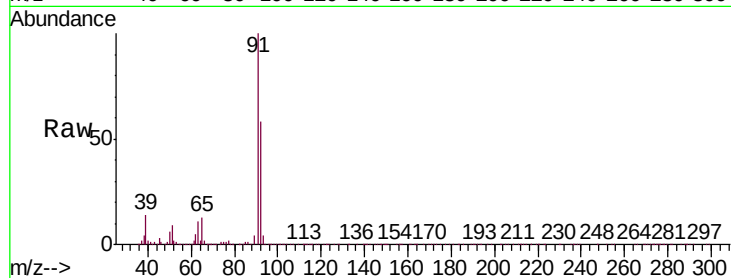
VSTD00598

Tgt Ion: 91 Resp: 709241

Ion Ratio Lower Upper

91 100

92 57.8 41.8 77.6



#44

trans-1,3-Dichloropropene

Concen: 5.328 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR025943.D

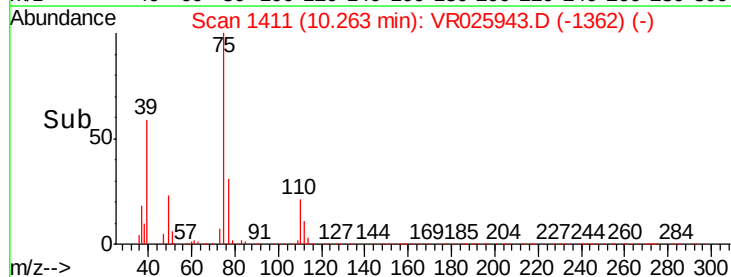
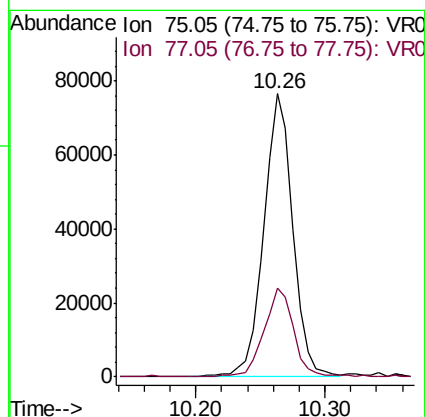
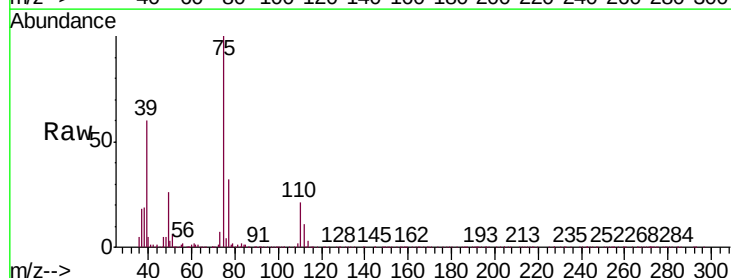
Acq: 4 Oct 2018 17:16

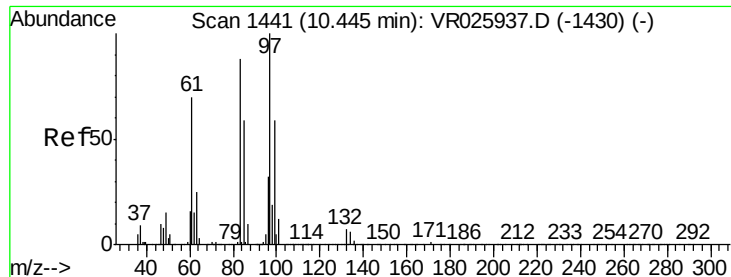
Tgt Ion: 75 Resp: 119197

Ion Ratio Lower Upper

75 100

77 31.5 23.0 42.8

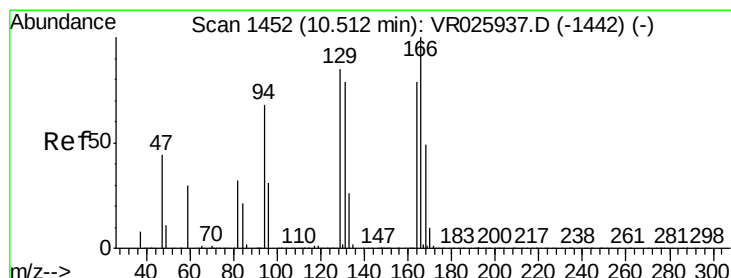
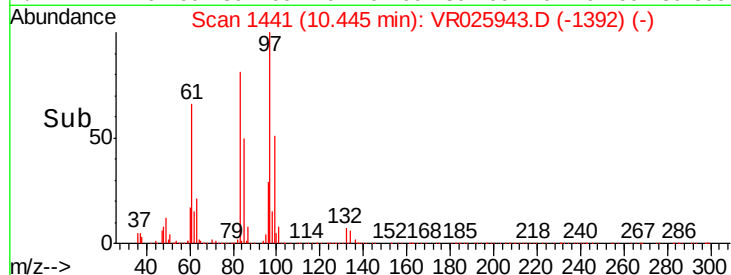
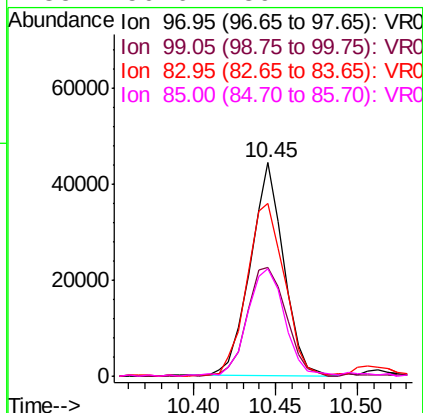
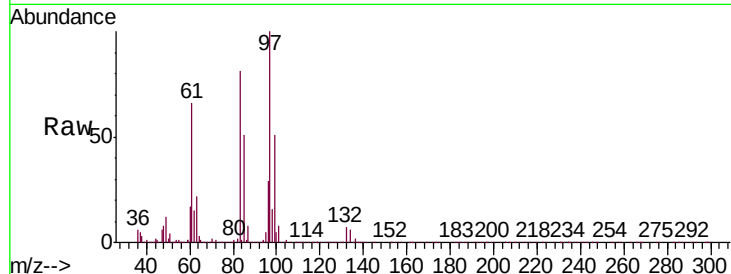




#45
 1,1,2-Trichloroethane
 Concen: 4.549 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VR025943.D
 Acq: 4 Oct 2018 17:16

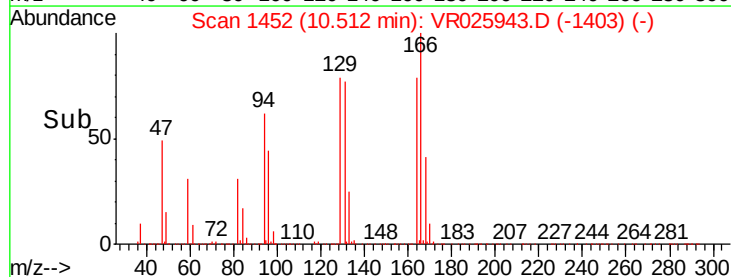
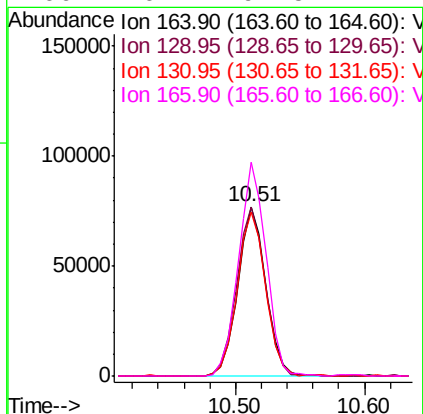
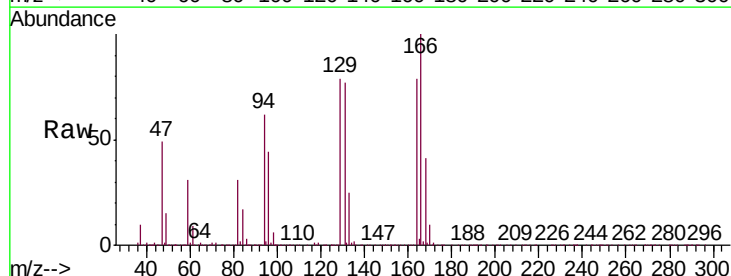
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00598

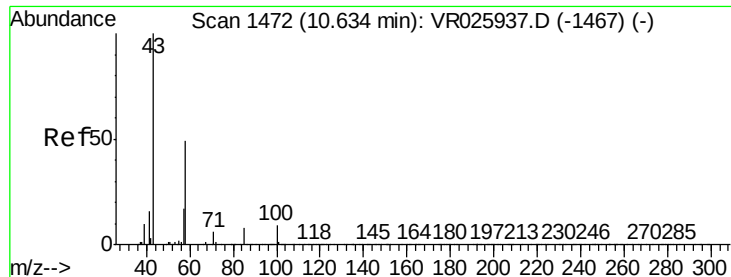
Tgt Ion:	97	Resp:	62874
Ion	Ratio	Lower	Upper
97	100		
99	51.2	39.6	73.6
83	80.9	62.2	115.6
85	50.6	39.1	72.7



#47
 Tetrachloroethene
 Concen: 4.959 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: VR025943.D
 Acq: 4 Oct 2018 17:16

Tgt Ion:	164	Resp:	114691
Ion	Ratio	Lower	Upper
164	100		
129	99.8	80.8	150.2
131	96.8	74.5	138.3
166	126.1	92.5	171.7

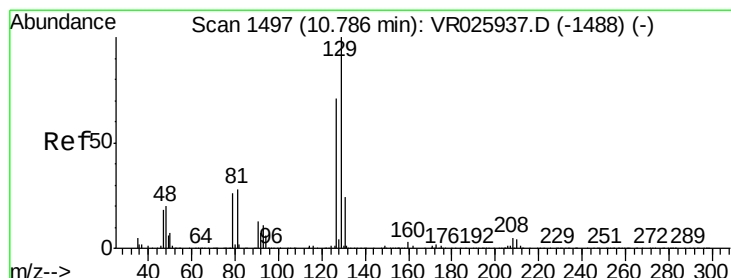
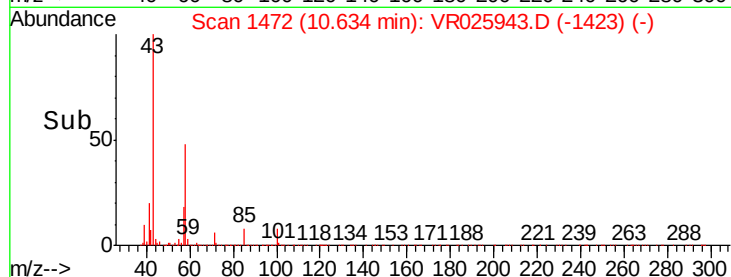
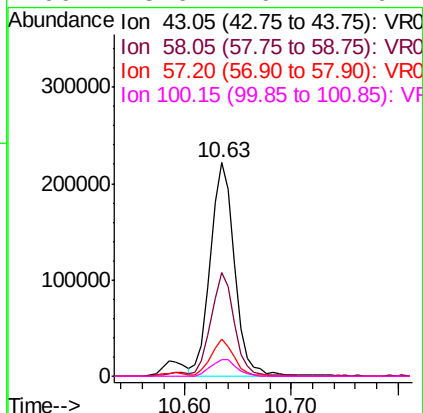
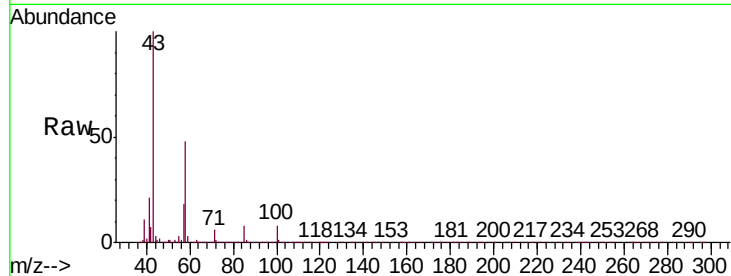




#48
2-Hexanone
Concen: 49.054 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR025943.D
Acq: 4 Oct 2018 17:16

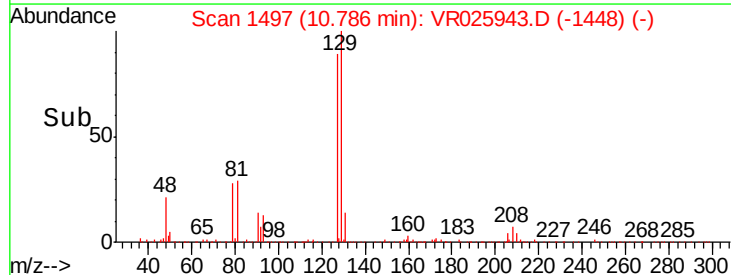
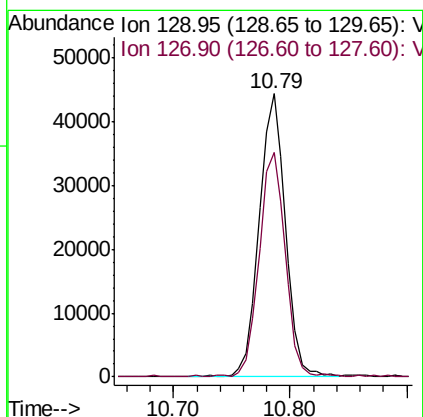
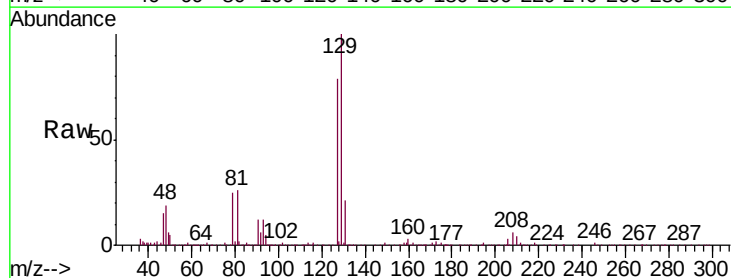
Instrument :
MSVOA_R
ClientSampleId :
VSTD00598

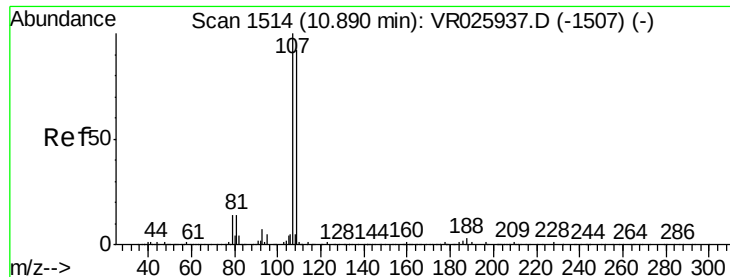
Tgt Ion:	43	Resp:	345117
Ion	Ratio	Lower	Upper
43	100		
58	49.0	39.5	59.3
57	16.8	14.6	21.8
100	8.6	6.7	10.1



#49
Dibromochloromethane
Concen: 4.962 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VR025943.D
Acq: 4 Oct 2018 17:16

Tgt Ion:	129	Resp:	69604
Ion	Ratio	Lower	Upper
129	100		
127	79.3	54.1	100.5

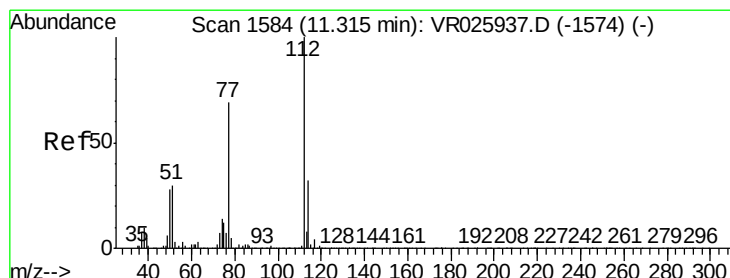
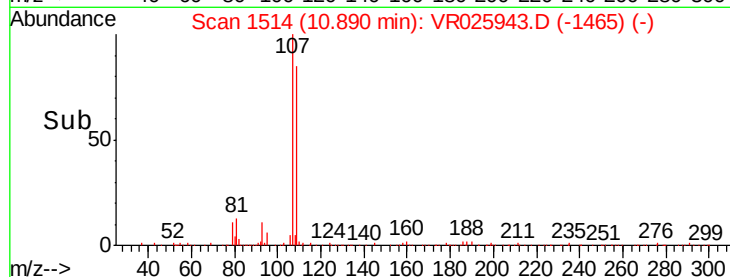
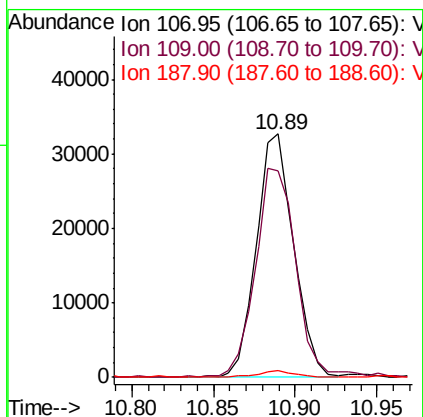
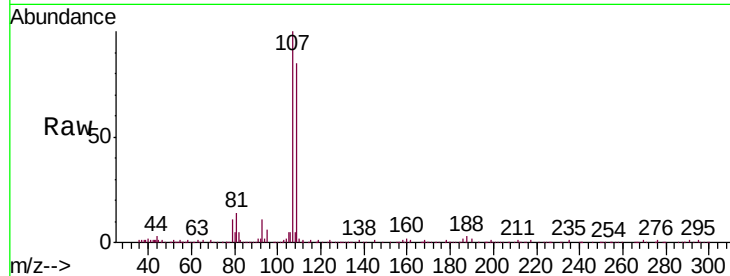




#50
1,2-Dibromoethane
Concen: 4.777 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VR025943.D
Acq: 4 Oct 2018 17:16

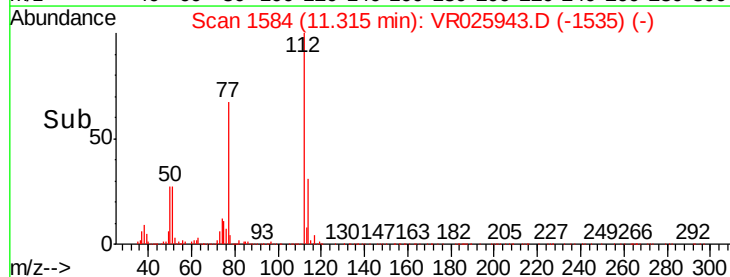
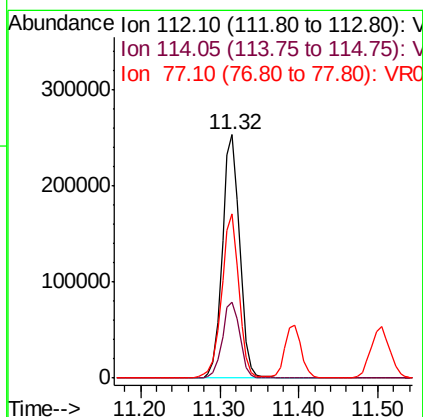
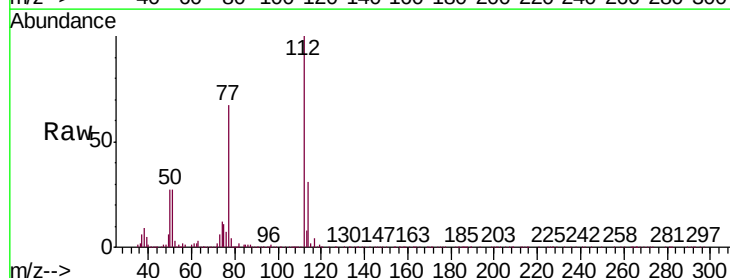
Instrument :
MSVOA_R
ClientSampleId :
VSTD00598

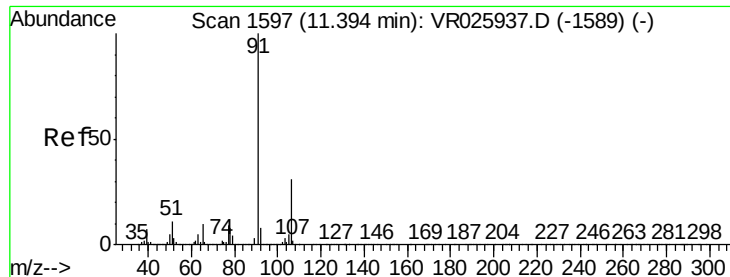
Tgt Ion:107 Resp: 52100
Ion Ratio Lower Upper
107 100
109 84.6 63.5 117.9
188 2.7 1.7 2.5#



#51
Chlorobenzene
Concen: 4.914 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VR025943.D
Acq: 4 Oct 2018 17:16

Tgt Ion:112 Resp: 385800
Ion Ratio Lower Upper
112 100
114 31.2 22.7 42.3
77 67.3 58.5 87.7





#52

Ethylbenzene

Concen: 4.876 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR025943.D

Acq: 4 Oct 2018 17:16

Instrument :

MSVOA_R

ClientSampleId :

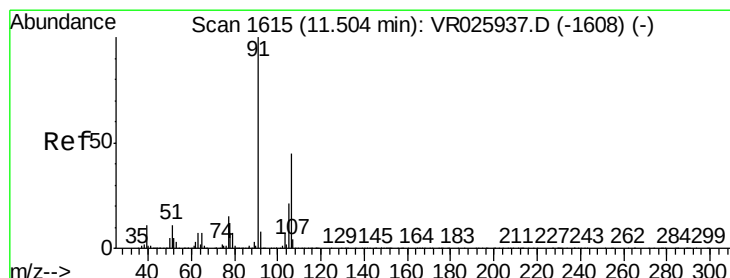
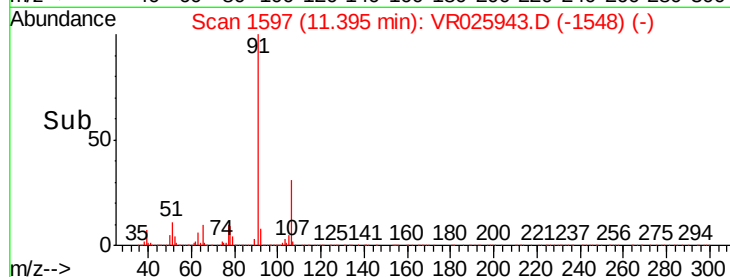
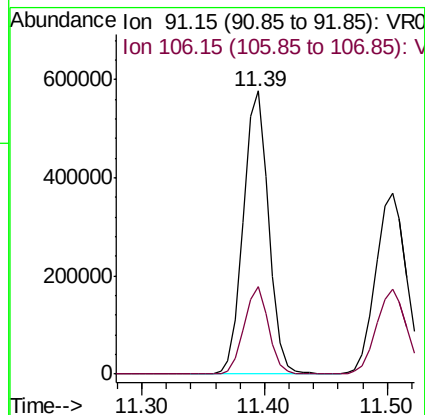
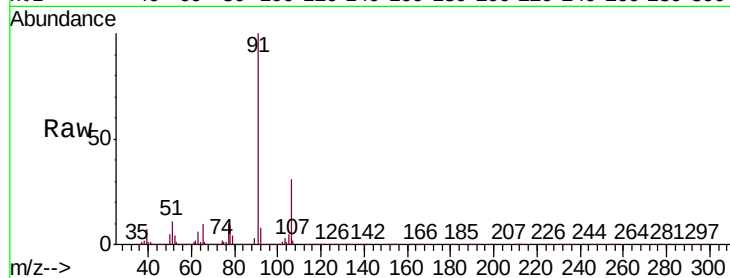
VSTD00598

Tgt Ion: 91 Resp: 823707

Ion Ratio Lower Upper

91 100

106 30.9 20.6 38.4



#53

m,p-Xylene

Concen: 4.914 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR025943.D

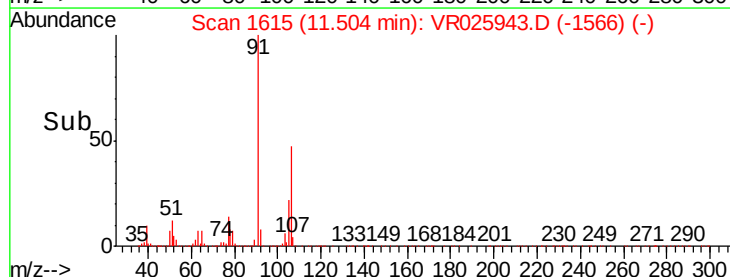
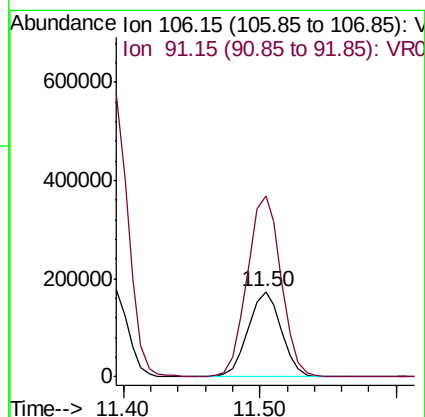
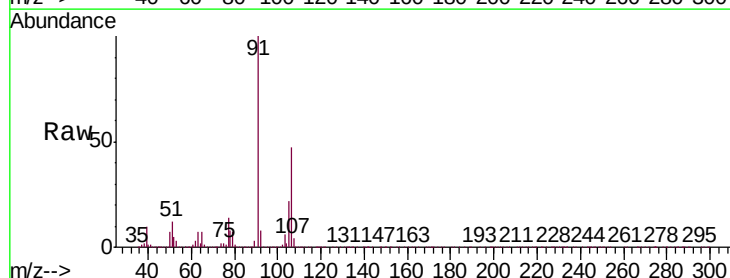
Acq: 4 Oct 2018 17:16

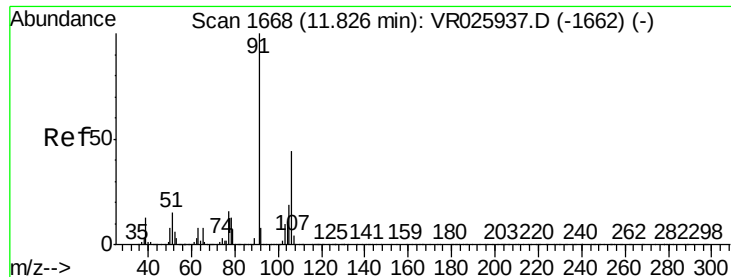
Tgt Ion: 106 Resp: 295530

Ion Ratio Lower Upper

106 100

91 211.7 159.7 296.5

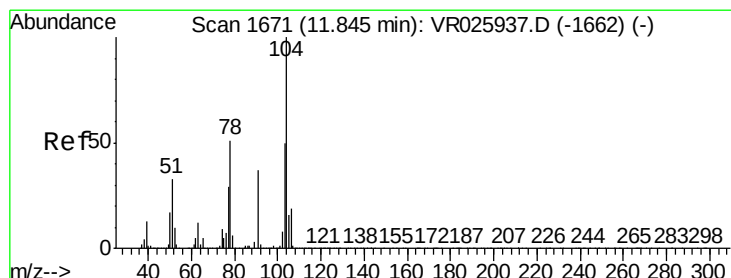
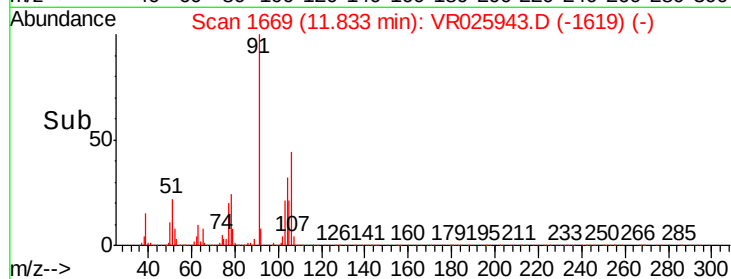
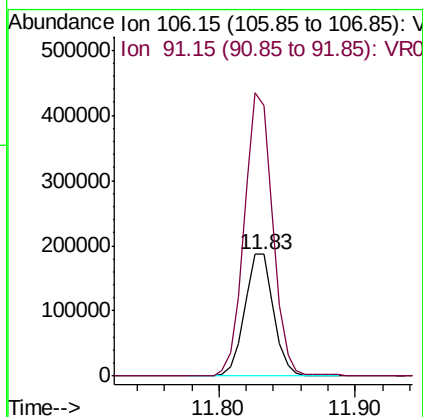
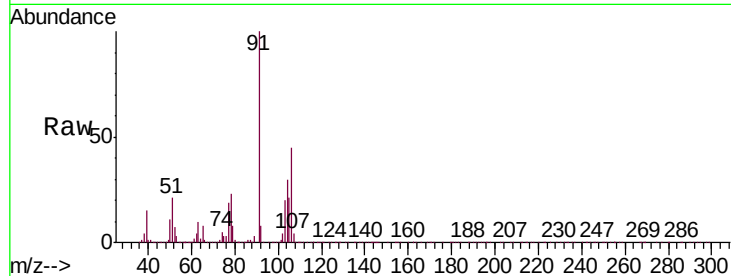




#54
o-Xylene
Concen: 4.943 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.01 min
Lab File: VR025943.D
Acq: 4 Oct 2018 17:16

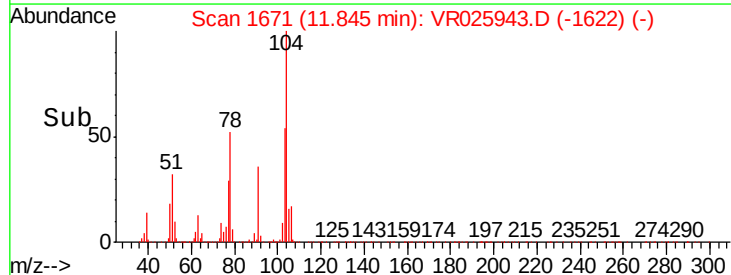
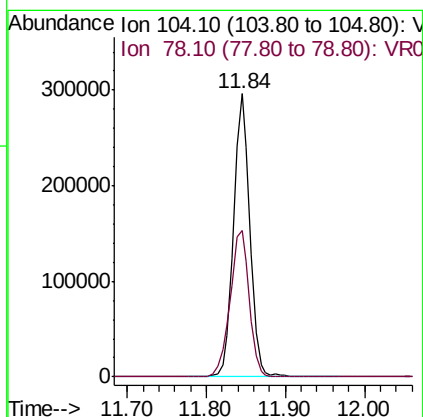
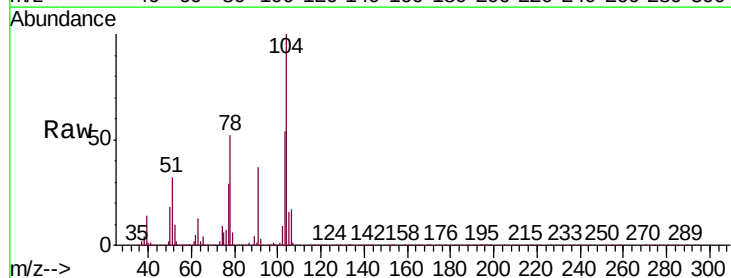
Instrument :
MSVOA_R
ClientSampleId :
VSTD00598

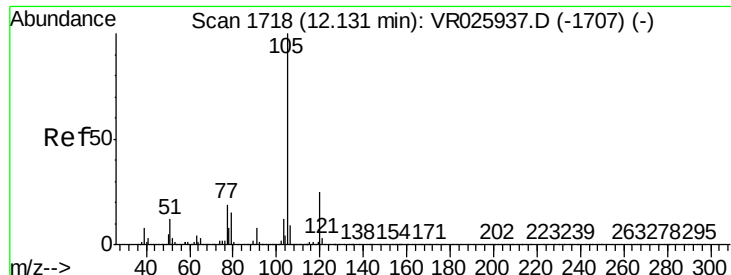
Tgt Ion:106 Resp: 276742
Ion Ratio Lower Upper
106 100
91 221.9 164.5 305.5



#55
Styrene
Concen: 4.890 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR025943.D
Acq: 4 Oct 2018 17:16

Tgt Ion:104 Resp: 426143
Ion Ratio Lower Upper
104 100
78 51.9 39.3 72.9





#56

Isopropylbenzene

Concen: 5.123 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR025943.D

Acq: 4 Oct 2018 17:16

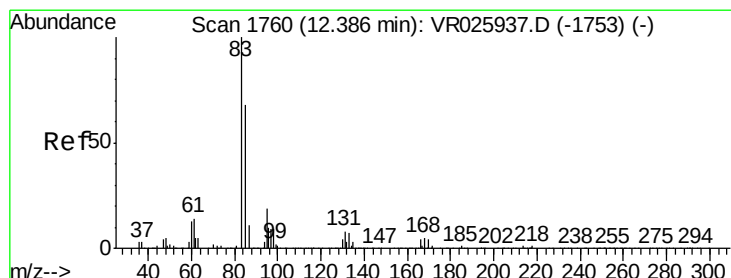
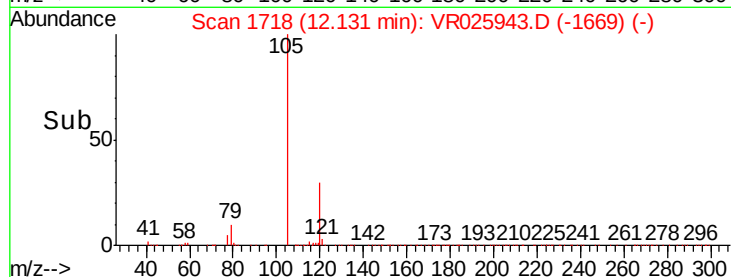
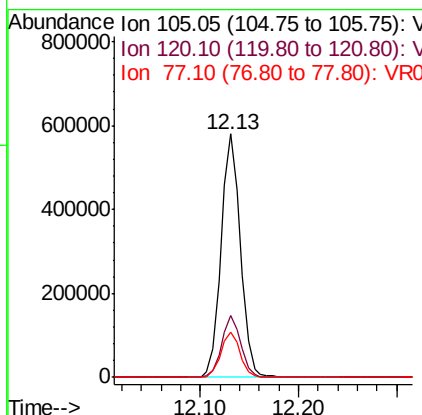
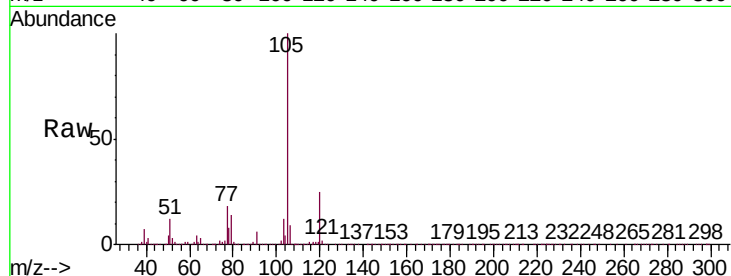
Instrument :

MSVOA_R

ClientSampleId :

VSTD00598

Tgt Ion:	105	Resp:	791027
Ion Ratio	Lower	Upper	
105	100		
120	25.1	19.8	29.8
77	18.3	15.5	23.3



#58

1,1,2,2-Tetrachloroethane

Concen: 4.855 ug/L

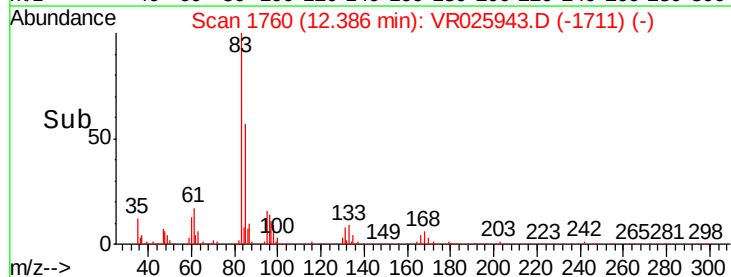
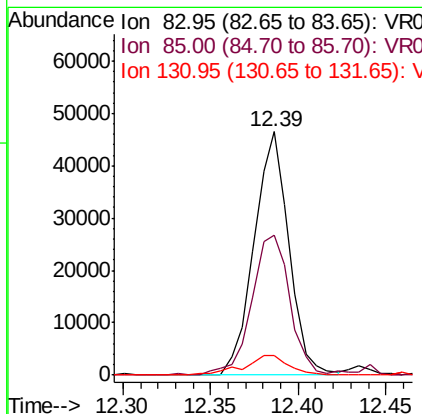
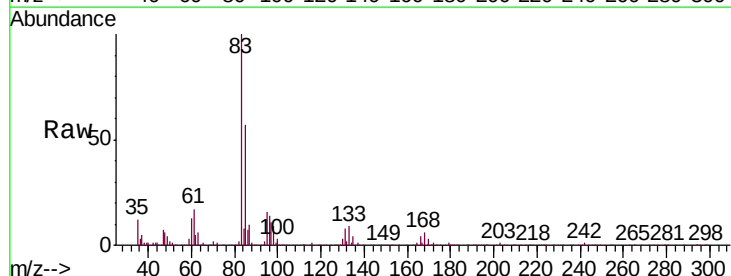
RT: 12.39 min Scan# 1760

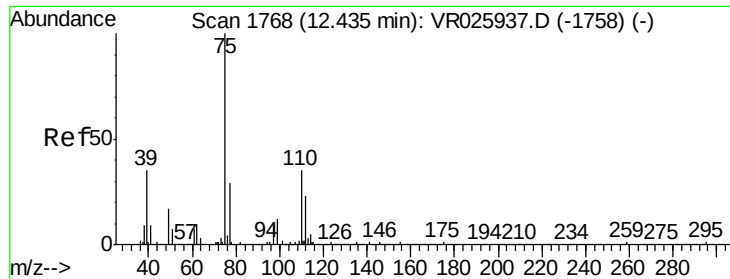
Delta R.T. 0.00 min

Lab File: VR025943.D

Acq: 4 Oct 2018 17:16

Tgt Ion:	83	Resp:	64667
Ion Ratio	Lower	Upper	
83	100		
85	57.4	45.8	85.0
131	8.2	6.6	9.8





#59

1,2,3-Trichloropropane

Concen: 4.550 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VR025943.D

Acq: 4 Oct 2018 17:16

Instrument :

MSVOA_R

ClientSampleId :

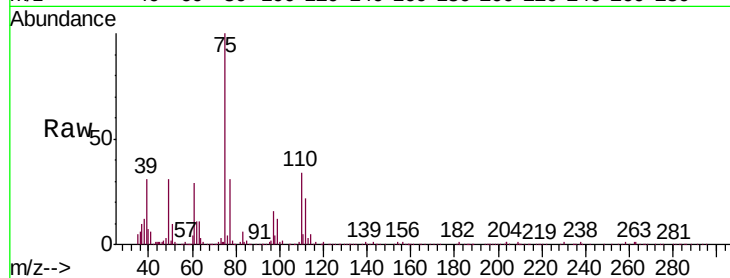
VSTD00598

Tgt Ion: 75 Resp: 45097

Ion Ratio Lower Upper

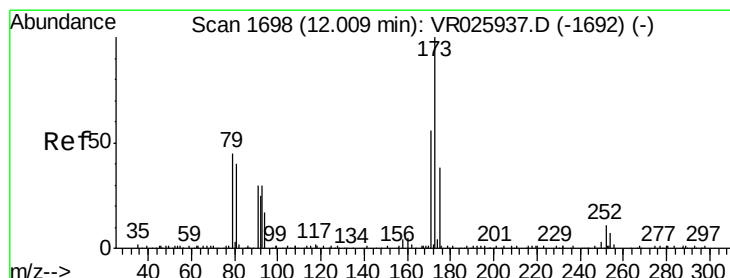
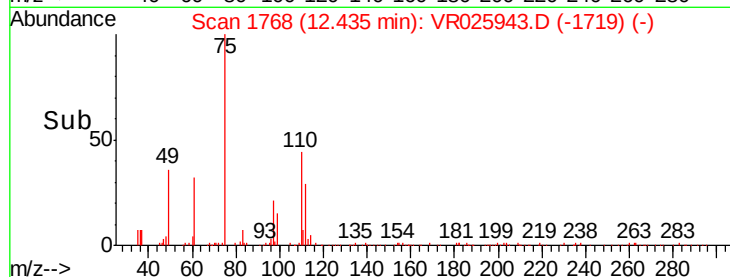
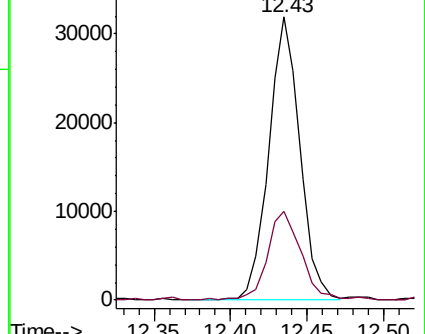
75 100

77 33.8 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VR0

Ion 77.00 (76.70 to 77.70): VR0



#61

Bromoform

Concen: 5.040 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR025943.D

Acq: 4 Oct 2018 17:16

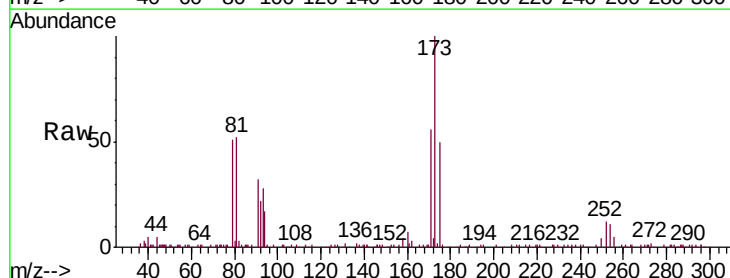
Tgt Ion: 173 Resp: 24674

Ion Ratio Lower Upper

173 100

175 51.3 36.9 55.3

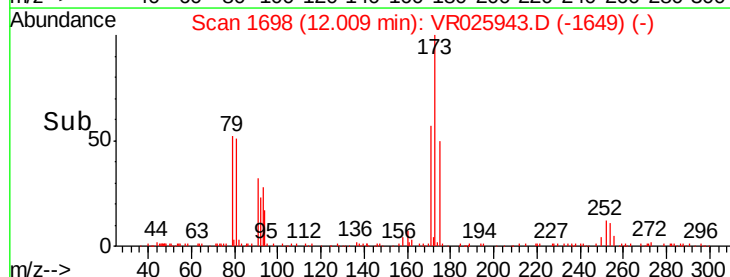
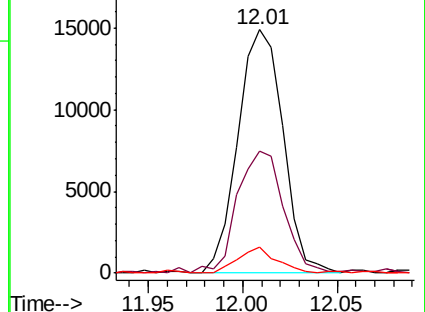
254 9.2 6.6 10.0

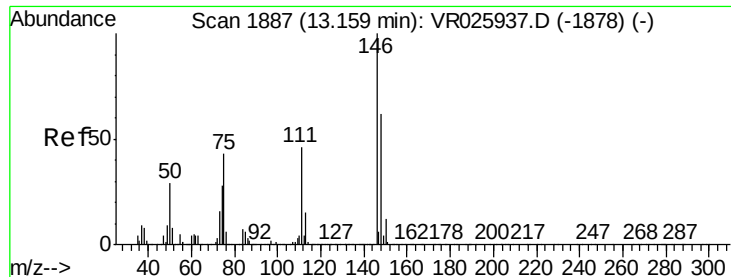


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V





#62

1,3-Dichlorobenzene

Concen: 4.874 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. 0.01 min

Lab File: VR025943.D

Acq: 4 Oct 2018 17:16

Instrument :

MSVOA_R

ClientSampleId :

VSTD00598

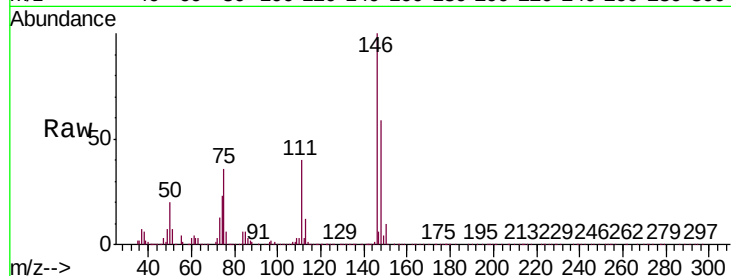
Tgt Ion:146 Resp: 230676

Ion Ratio Lower Upper

146 100

111 40.3 36.6 68.0

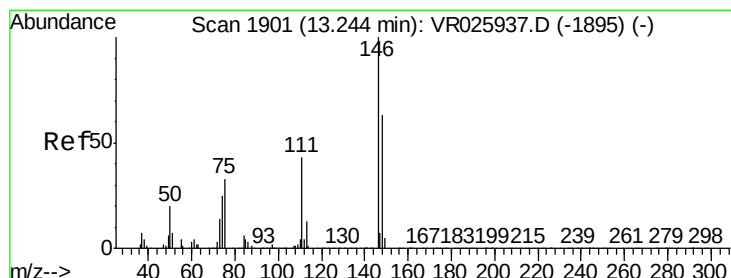
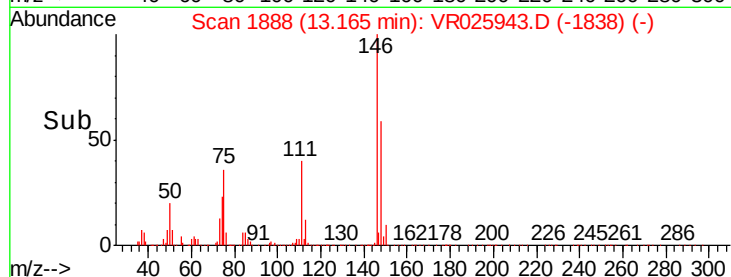
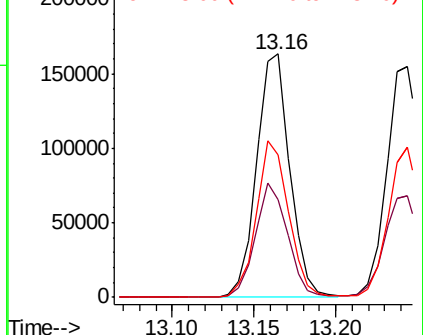
148 58.5 41.9 77.7



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: 4.777 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VR025943.D

Acq: 4 Oct 2018 17:16

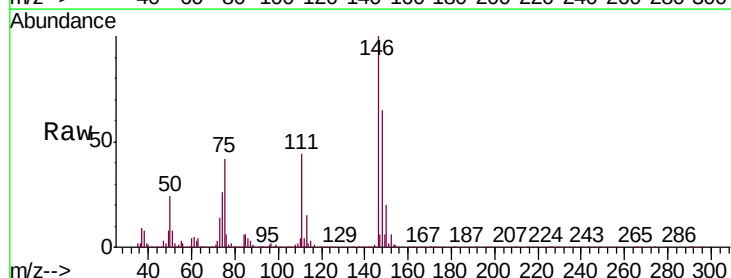
Tgt Ion:146 Resp: 231275

Ion Ratio Lower Upper

146 100

111 44.1 32.9 61.1

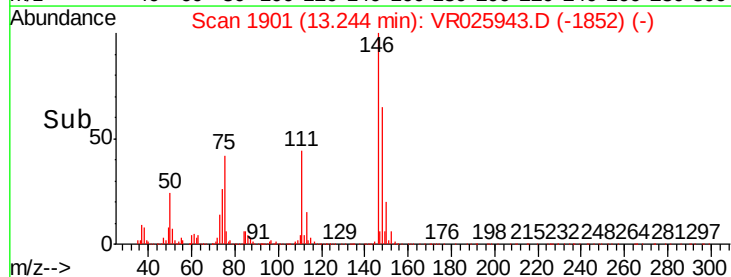
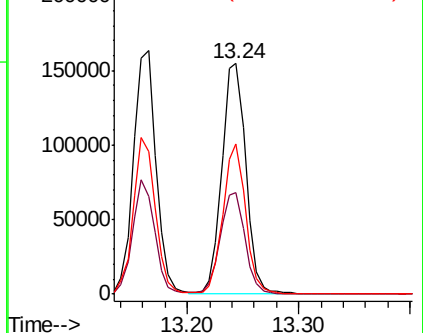
148 65.2 45.5 84.5

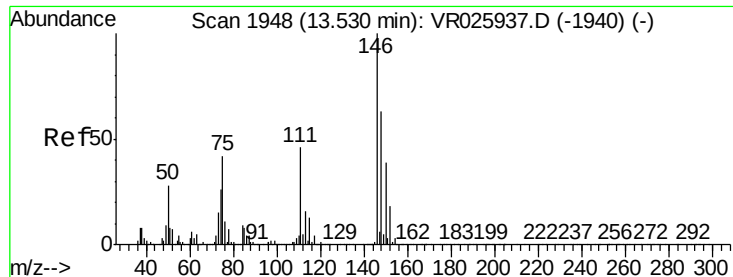


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

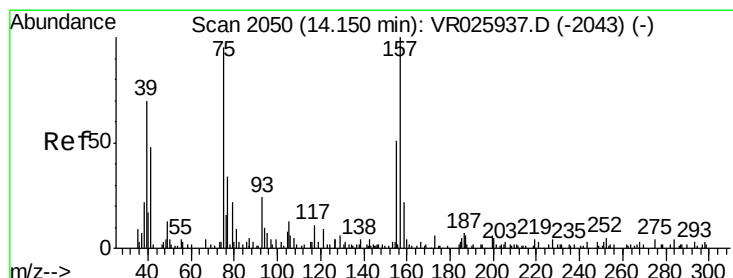
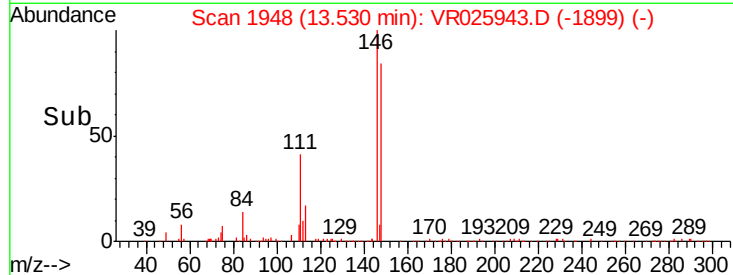
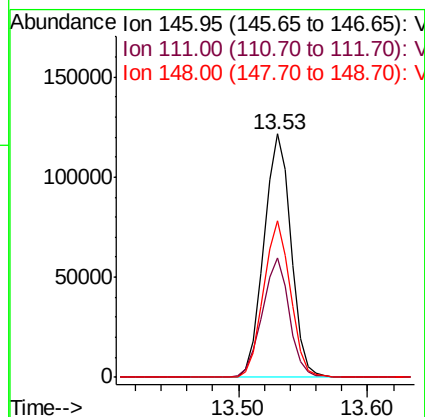
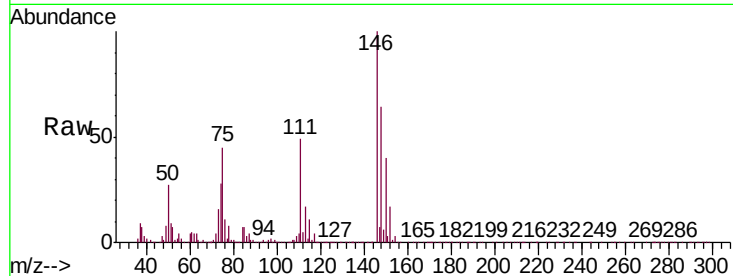




#65
1,2-Dichlorobenzene
Concen: 4.653 ug/L
RT: 13.53 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VR025943.D
Acq: 4 Oct 2018 17:16

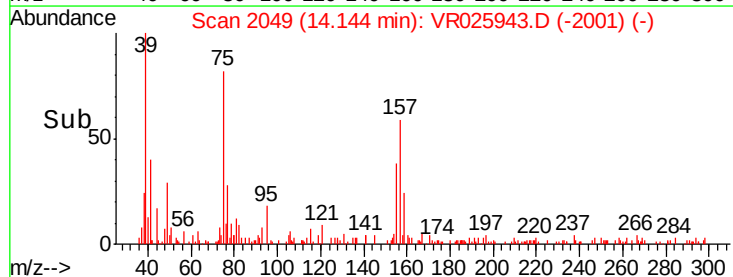
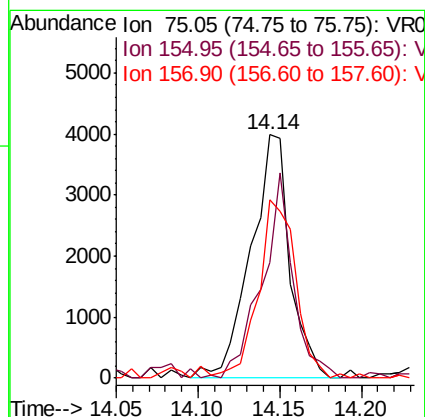
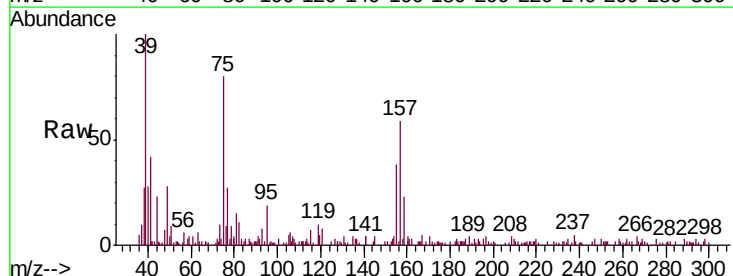
Instrument :
MSVOA_R
ClientSampleId :
VSTD00598

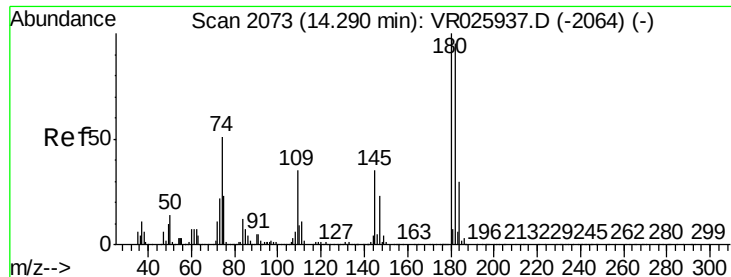
Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.2	39.4	59.0
148	64.1	53.5	80.3



#66
1,2-Dibromo-3-chloropropane
Concen: 4.143 ug/L
RT: 14.14 min Scan# 2049
Delta R.T. -0.01 min
Lab File: VR025943.D
Acq: 4 Oct 2018 17:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	47.3	37.8	56.6
157	73.4	49.7	74.5

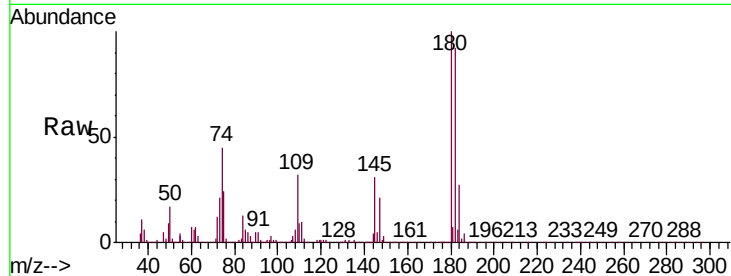




#67
 1,3,5-Trichlorobenzene
 Concen: 4.951 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR025943.D
 Acq: 4 Oct 2018 17:16

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00598

Tgt Ion:	180	Resp:	139599
Ion	Ratio	Lower	Upper
180	100		
182	92.9	77.2	115.8
184	28.8	24.5	36.7
145	33.2	31.1	46.7



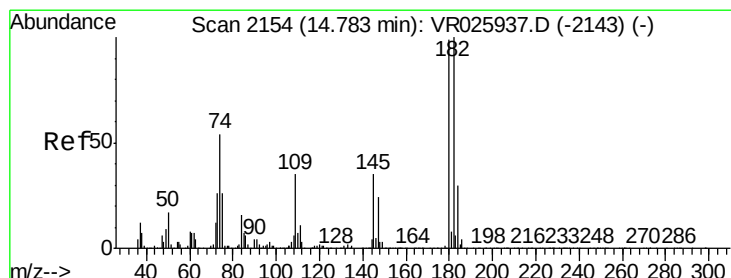
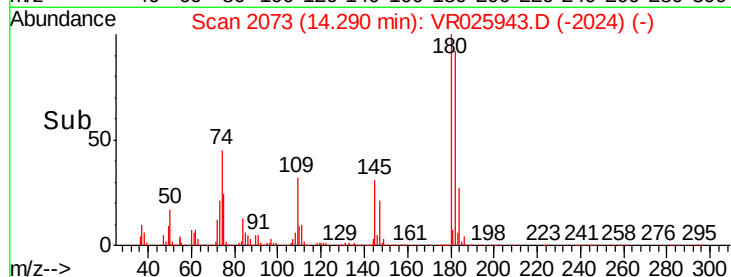
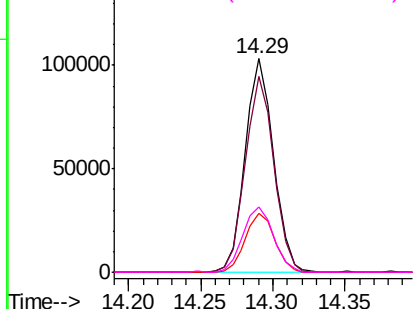
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

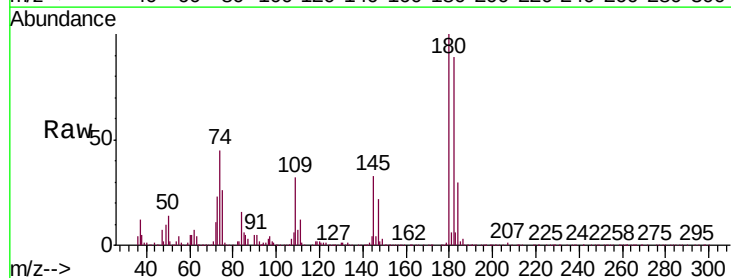
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.721 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VR025943.D
 Acq: 4 Oct 2018 17:16

Tgt Ion:	180	Resp:	84852
Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.2	112.8
145	35.8	30.5	45.7

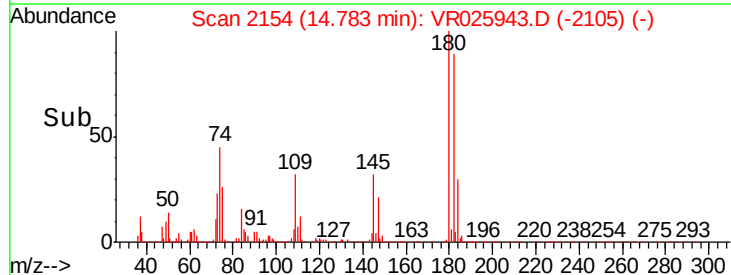
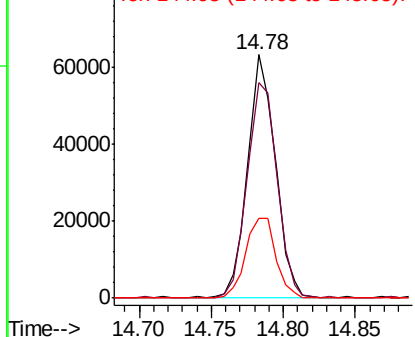


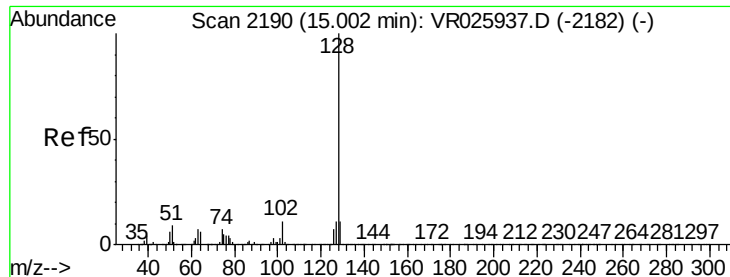
Abundance

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: 4.577 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR025943.D

Acq: 4 Oct 2018 17:16

Instrument :

MSVOA_R

ClientSampleId :

VSTD00598

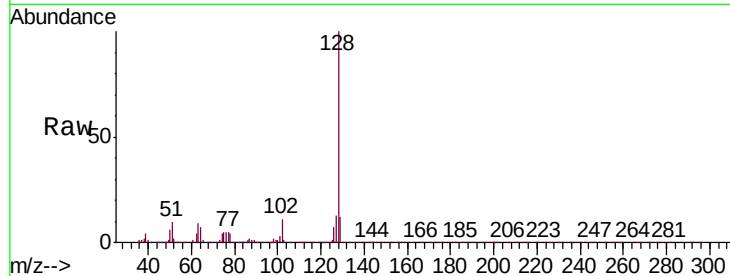
Tgt Ion:128 Resp: 104986

Ion Ratio Lower Upper

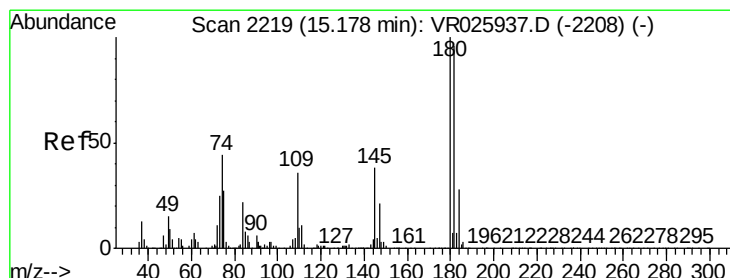
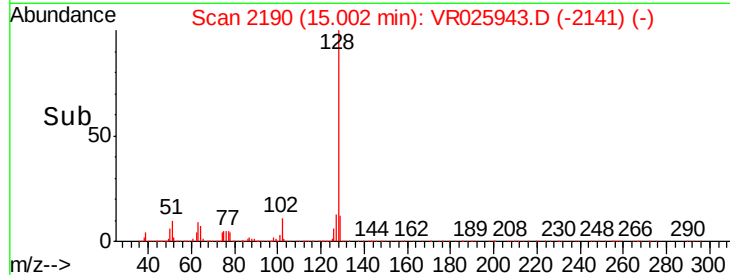
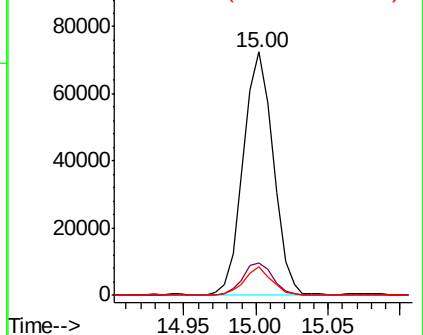
128 100

127 13.7 10.5 15.7

129 10.9 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: 4.704 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR025943.D

Acq: 4 Oct 2018 17:16

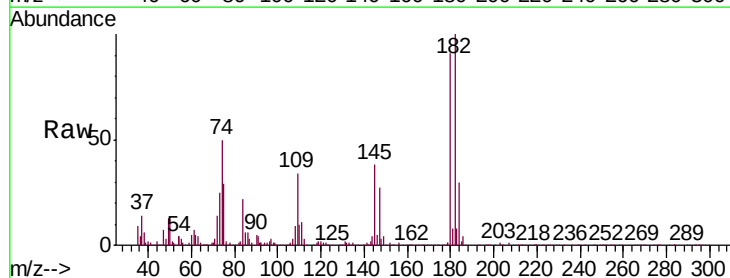
Tgt Ion:180 Resp: 58651

Ion Ratio Lower Upper

180 100

182 100.1 74.7 112.1

145 39.0 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

