

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101718\
 Data File : VR026111.D
 Acq On : 17 Oct 2018 11:59
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00592

Quant Time: Oct 19 02:41:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 17 08:49:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	631205	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	544431	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	208398	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	225322	4.08	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.60%
7) Chloroethane-d5	2.63	69	206496	4.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.00%
11) 1,1-Dichloroethene-d2	3.63	63	568677	4.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.80%
20) 2-Butanone-d5	6.59	46	206015	45.43	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.86%
24) Chloroform-d	7.20	84	377051	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
26) 1,2-Dichloroethane-d4	7.90	65	159697	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
32) Benzene-d6	7.85	84	733235	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.80%
36) 1,2-Dichloropropane-d6	8.90	67	196187	4.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.80%
41) Toluene-d8	9.97	98	681519	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.60%
43) trans-1,3-Dichloropropene-	10.24	79	45215	3.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.40%
46) 2-Hexanone-d5	10.59	63	166801	48.76	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.52%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	81703	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.20%
64) 1,2-Dichlorobenzene-d4	13.52	152	137022	4.16	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	175229	4.133 ug/L	92
3) Chloromethane	2.02	50	327625	4.866 ug/L	96
5) Vinyl chloride	2.17	62	327724	4.886 ug/L	98
6) Bromomethane	2.52	94	214323	4.838 ug/L	99
8) Chloroethane	2.66	64	201636	4.851 ug/L	99
9) Trichlorofluoromethane	2.94	101	212260	2.192 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	280825	4.865 ug/L	100
12) 1,1-Dichloroethene	3.63	96	296191	4.826 ug/L	98
13) Acetone	3.70	43	213674	45.575 ug/L	99
14) Carbon disulfide	3.94	76	798047	4.973 ug/L	99
15) Methyl Acetate	4.20	43	56328	4.599 ug/L	97
16) Methylene chloride	4.40	84	244896	4.400 ug/L	96
17) Methyl tert-butyl Ether	4.89	73	244238	4.383 ug/L	98
18) trans-1,2-Dichloroethene	4.89	96	212092	4.569 ug/L	97
19) 1,1-Dichloroethane	5.69	63	402272	4.616 ug/L	98
21) 2-Butanone	6.69	43	242067	44.755 ug/L	98
22) cis-1,2-Dichloroethene	6.67	96	208098	4.739 ug/L #	92

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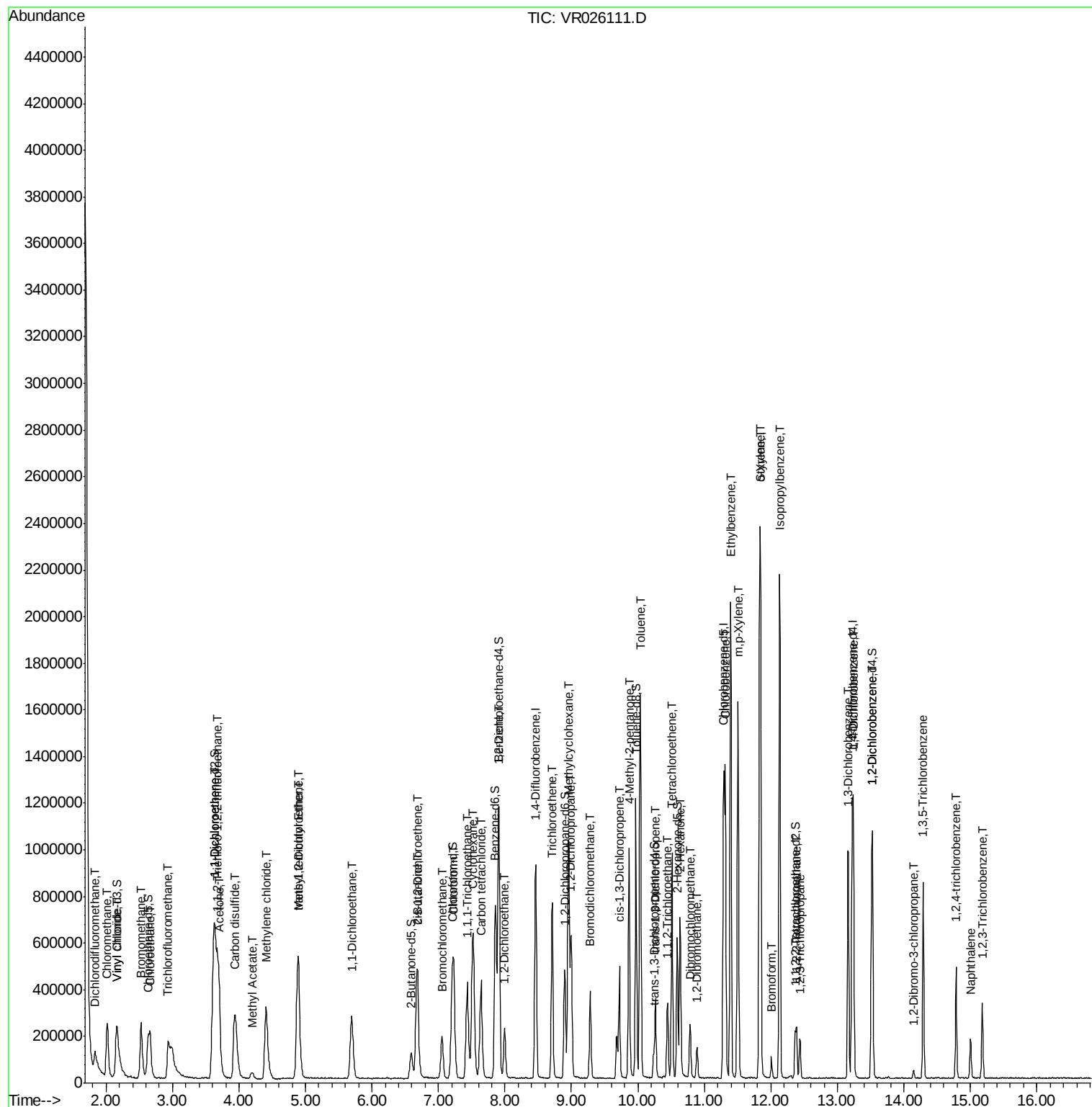
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.06	128	56831	4.614	ug/L	94
25) Chloroform	7.23	83	398224	4.682	ug/L	97
27) 1,2-Dichloroethane	7.99	62	188442	4.526	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	344988	4.637	ug/L	100
30) Cyclohexane	7.52	56	367190	4.917	ug/L	100
31) Carbon tetrachloride	7.64	117	312211	4.616	ug/L	97
33) Benzene	7.91	78	965889	4.728	ug/L	100
34) Trichloroethene	8.71	95	239235	4.575	ug/L	98
35) Methylcyclohexane	8.95	83	373055	4.792	ug/L	98
37) 1,2-Dichloropropane	9.00	63	199669	4.633	ug/L	99
38) Bromodichloromethane	9.28	83	219308	4.731	ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	228577	4.634	ug/L	99
40) 4-Methyl-2-pentanone	9.87	43	617688	46.928	ug/L	98
42) Toluene	10.04	91	1035861	4.804	ug/L	100
44) trans-1,3-Dichloropropene	10.26	75	161880	4.697	ug/L	99
45) 1,1,2-Trichloroethane	10.45	97	83001	4.566	ug/L	92
47) Tetrachloroethene	10.51	164	164332	4.401	ug/L	96
48) 2-Hexanone	10.63	43	410037	47.696	ug/L	99
49) Dibromochloromethane	10.79	129	98034	4.792	ug/L	98
50) 1,2-Dibromoethane	10.89	107	72443	4.612	ug/L	83
51) Chlorobenzene	11.32	112	547577	4.588	ug/L	98
52) Ethylbenzene	11.39	91	1211009	4.884	ug/L	98
53) m,p-Xylene	11.50	106	441887	4.892	ug/L	98
54) o-Xylene	11.83	106	402520	4.860	ug/L	100
55) Styrene	11.84	104	622767	4.886	ug/L	98
56) Isopropylbenzene	12.13	105	1155168	5.022	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	84356	4.565	ug/L	99
59) 1,2,3-Trichloropropane	12.44	75	60522	4.461	ug/L	97
61) Bromoform	12.01	173	32449	4.480	ug/L	98
62) 1,3-Dichlorobenzene	13.16	146	314083	4.537	ug/L	95
63) 1,4-Dichlorobenzene	13.24	146	326495	4.554	ug/L	96
65) 1,2-Dichlorobenzene	13.53	146	252608	4.546	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.15	75	7391	3.265	ug/L #	86
67) 1,3,5-Trichlorobenzene	14.29	180	188283	4.463	ug/L	97
68) 1,2,4-trichlorobenzene	14.79	180	106703	4.334	ug/L	98
69) Naphthalene	15.00	128	111068	4.645	ug/L	97
70) 1,2,3-Trichlorobenzene	15.18	180	73868	4.320	ug/L	97

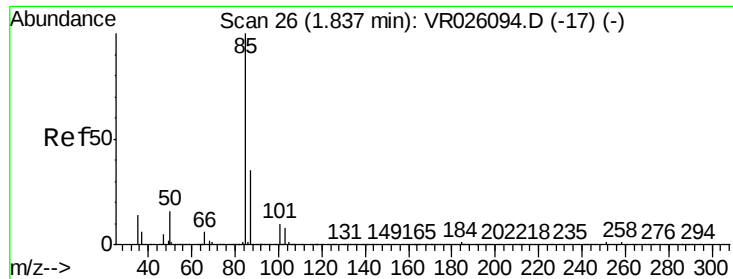
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.133 ug/L

RT: 1.83 min Scan# 25

Delta R.T. -0.01 min

Lab File: VR026111.D

Acq: 17 Oct 2018 11:59

Instrument :

MSVOA_R

ClientSampleId :

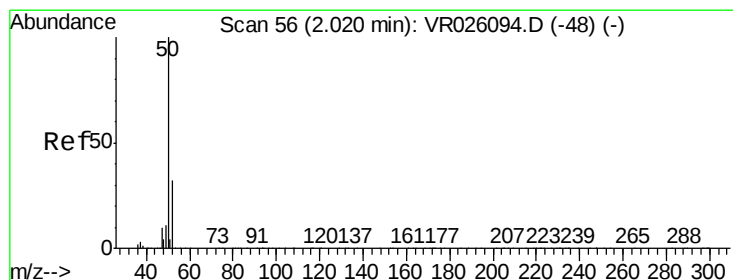
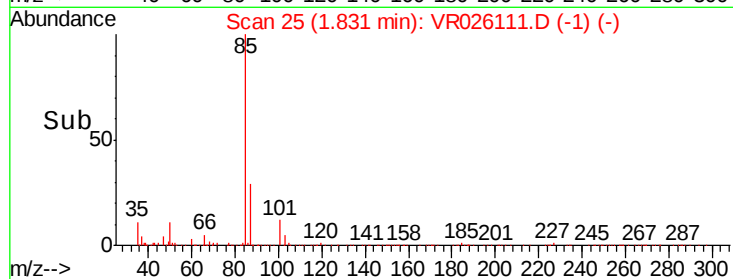
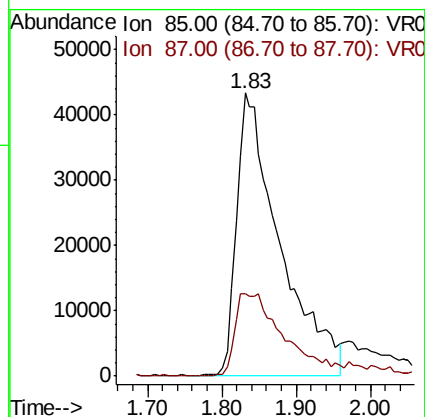
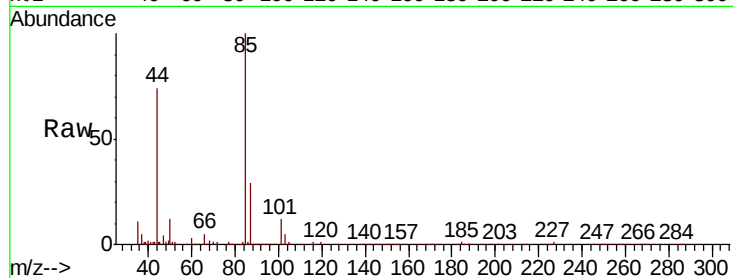
VSTD00592

Tgt Ion: 85 Resp: 175229

Ion Ratio Lower Upper

85 100

87 33.7 23.4 35.2



#3

Chloromethane

Concen: 4.866 ug/L

RT: 2.02 min Scan# 56

Delta R.T. -0.00 min

Lab File: VR026111.D

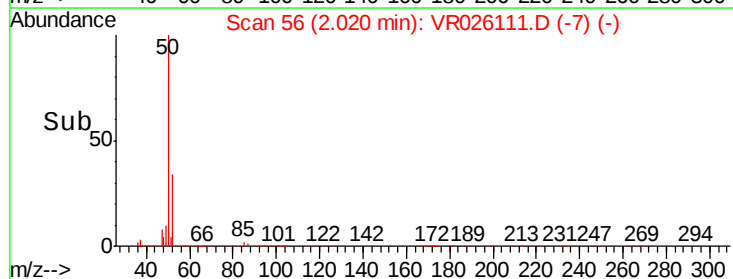
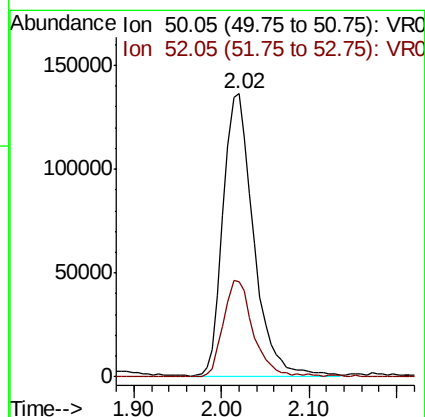
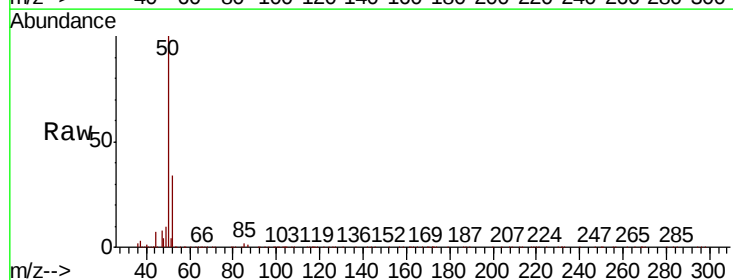
Acq: 17 Oct 2018 11:59

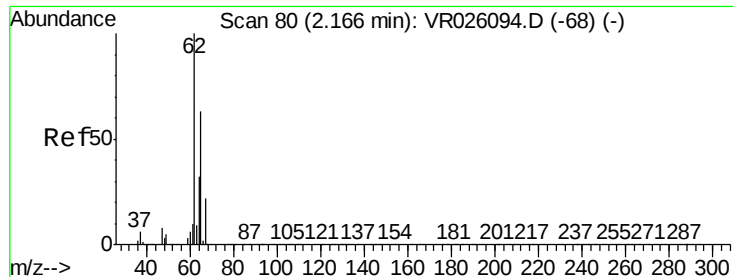
Tgt Ion: 50 Resp: 327625

Ion Ratio Lower Upper

50 100

52 33.8 22.0 40.8





#5

Vinyl chloride

Concen: 4.886 ug/L

RT: 2.17 min Scan# 80

Delta R.T. -0.00 min

Lab File: VR026111.D

Acq: 17 Oct 2018 11:59

Instrument :

MSVOA_R

ClientSampleId :

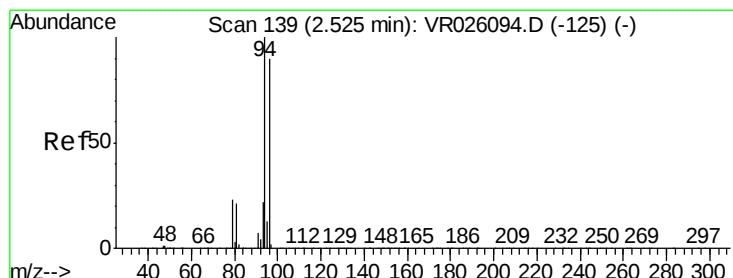
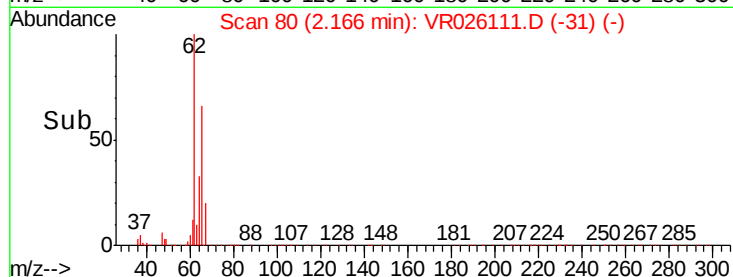
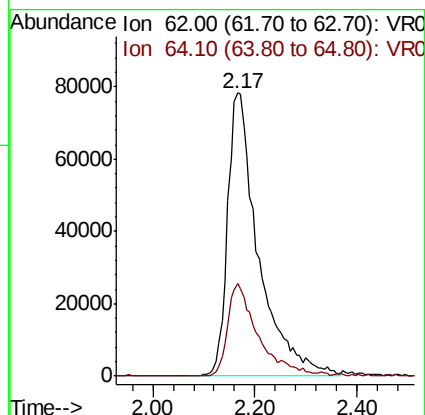
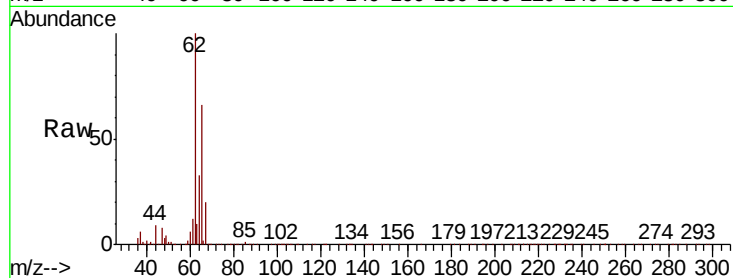
VSTD00592

Tgt Ion: 62 Resp: 327724

Ion Ratio Lower Upper

62 100

64 32.8 23.9 44.3



#6

Bromomethane

Concen: 4.838 ug/L

RT: 2.52 min Scan# 139

Delta R.T. -0.00 min

Lab File: VR026111.D

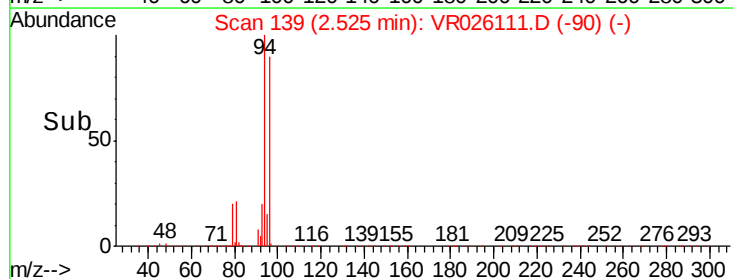
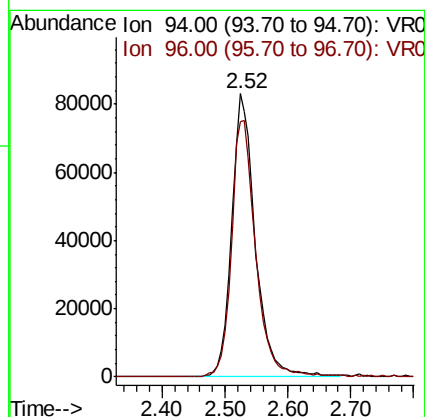
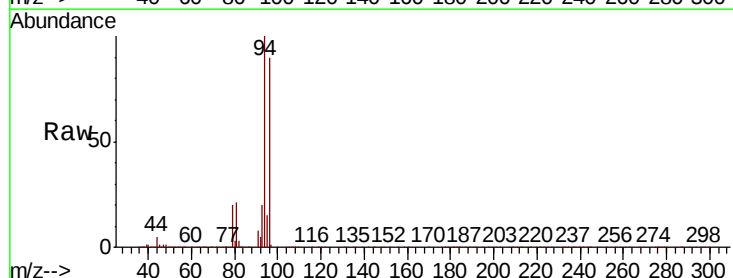
Acq: 17 Oct 2018 11:59

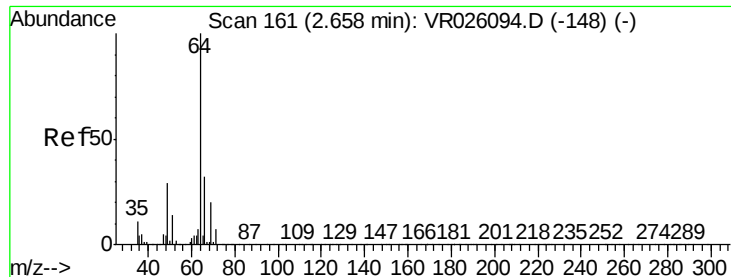
Tgt Ion: 94 Resp: 214323

Ion Ratio Lower Upper

94 100

96 90.1 62.5 116.1

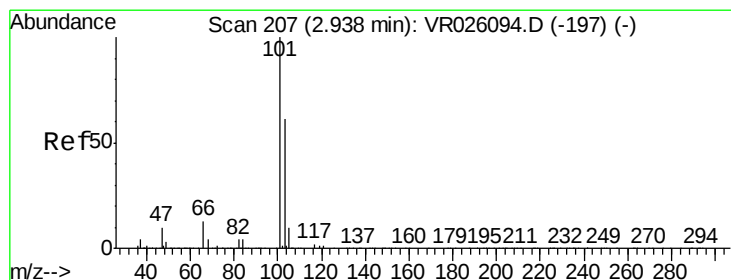
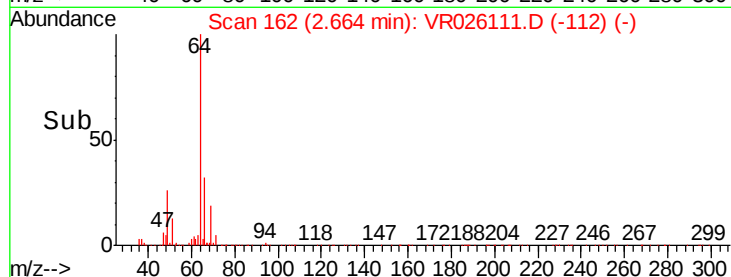
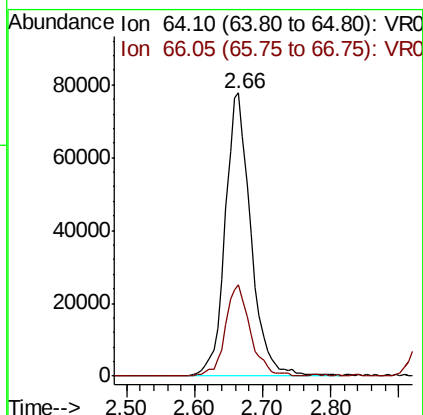
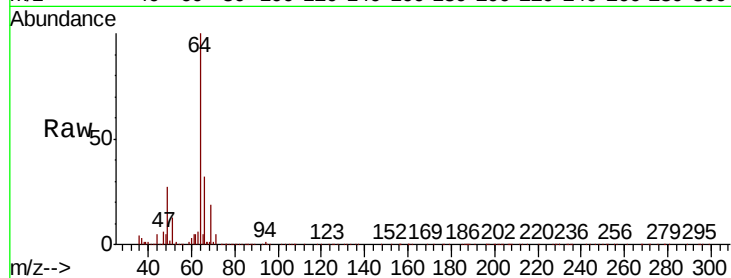




#8
Chloroethane
Concen: 4.851 ug/L
RT: 2.66 min Scan# 162
Delta R.T. 0.01 min
Lab File: VR026111.D
Acq: 17 Oct 2018 11:59

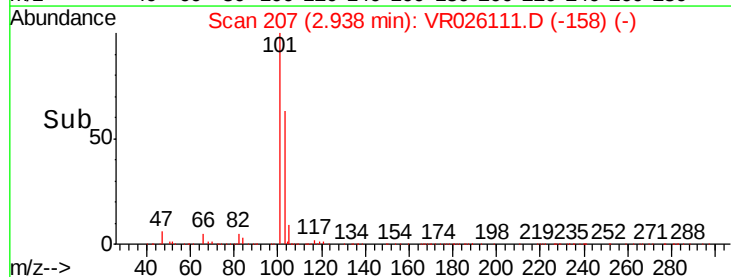
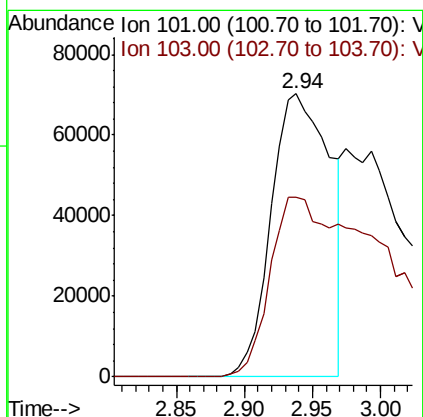
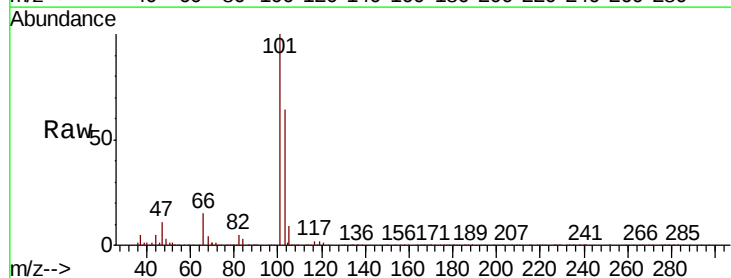
Instrument :
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ClientSampleId :
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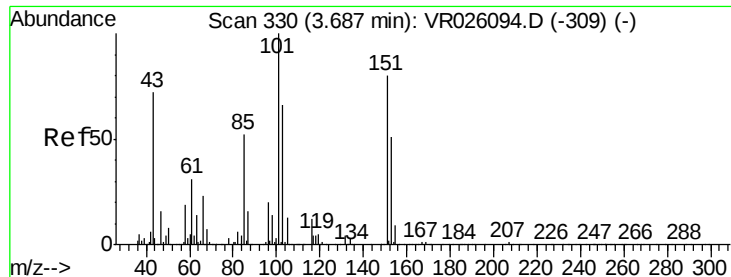
Tgt Ion: 64 Resp: 201636
Ion Ratio Lower Upper
64 100
66 32.1 22.0 40.8



#9
Trichlorofluoromethane
Concen: 2.192 ug/L
RT: 2.94 min Scan# 207
Delta R.T. -0.00 min
Lab File: VR026111.D
Acq: 17 Oct 2018 11:59

Tgt Ion: 101 Resp: 212260
Ion Ratio Lower Upper
101 100
103 143.5 26.0 39.0#





#10

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

Concen: 4.865 ug/L

RT: 3.68 min Scan# 329

Delta R.T. -0.01 min

Lab File: VR026111.D

Acq: 17 Oct 2018 11:59

Instrument :

MSVOA_R

ClientSampleId :

VSTD00592

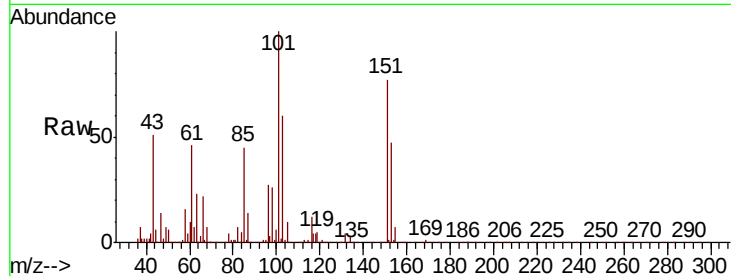
Tgt Ion: 101 Resp: 280825

Ion Ratio Lower Upper

101 100

85 47.2 37.8 56.8

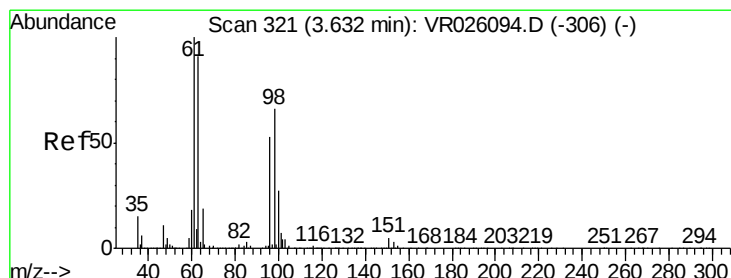
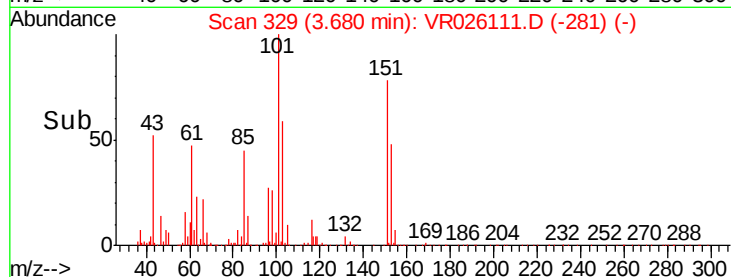
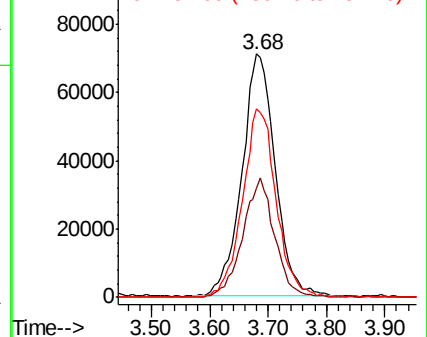
151 78.7 63.2 94.8



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: 4.826 ug/L

RT: 3.63 min Scan# 320

Delta R.T. -0.01 min

Lab File: VR026111.D

Acq: 17 Oct 2018 11:59

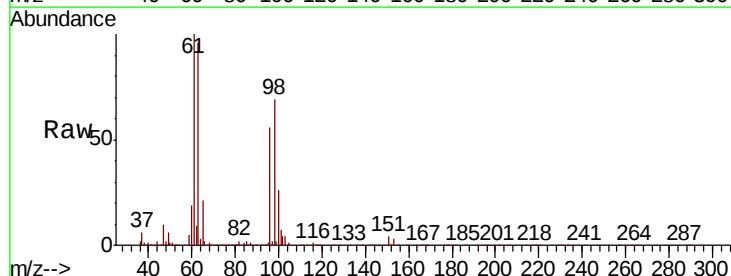
Tgt Ion: 96 Resp: 296191

Ion Ratio Lower Upper

96 100

61 180.1 126.7 235.3

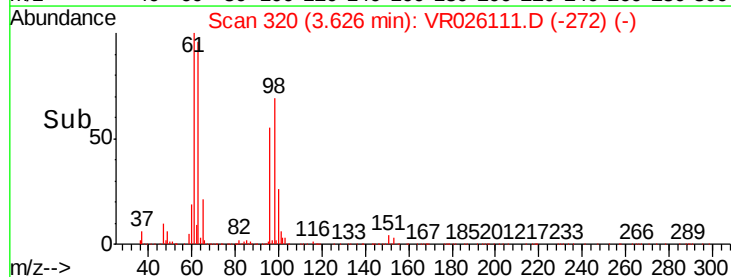
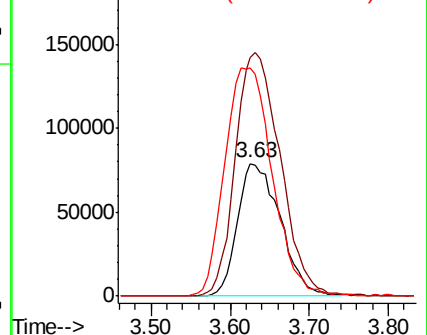
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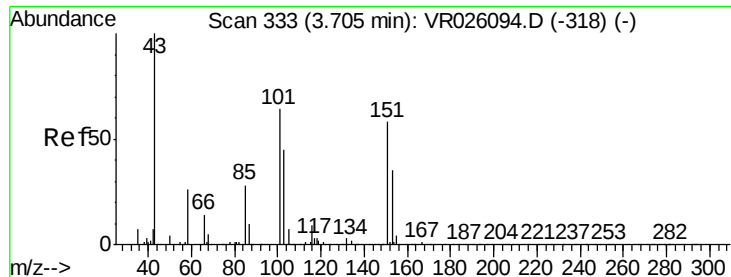


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 45.575 ug/L

RT: 3.70 min Scan# 333

Delta R.T. -0.00 min

Lab File: VR026111.D

Acq: 17 Oct 2018 11:59

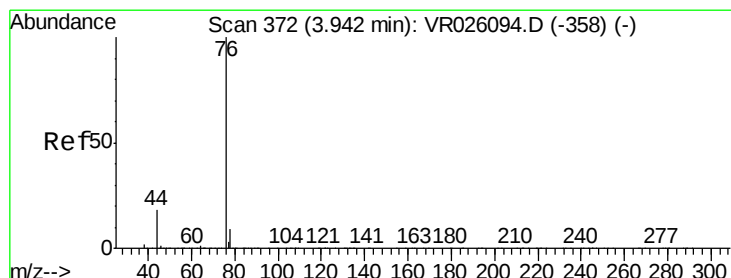
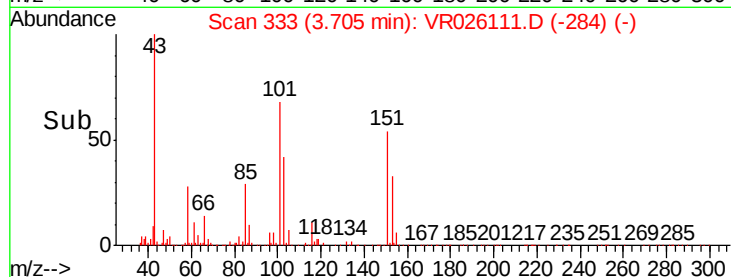
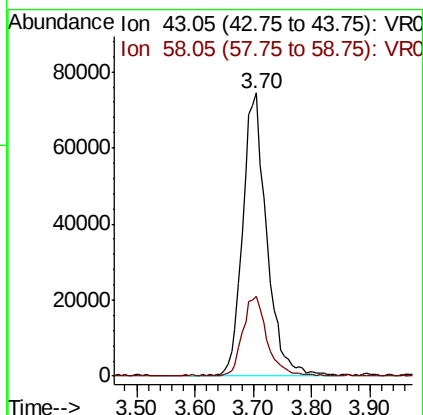
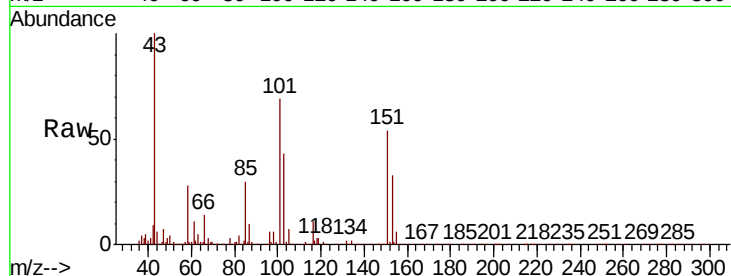
Instrument :
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ClientSampleId :
VSTD00592

Tgt Ion: 43 Resp: 213674

Ion Ratio Lower Upper

43 100

58 28.3 0.0 55.4



#14

Carbon disulfide

Concen: 4.973 ug/L

RT: 3.94 min Scan# 372

Delta R.T. 0.00 min

Lab File: VR026111.D

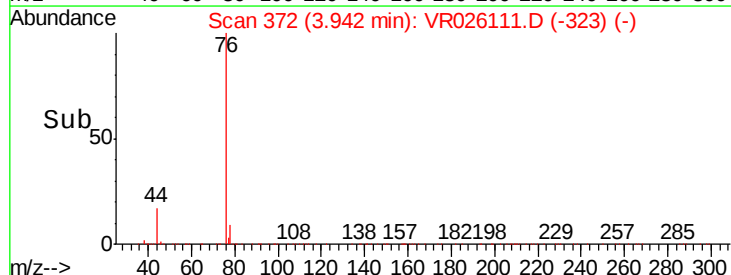
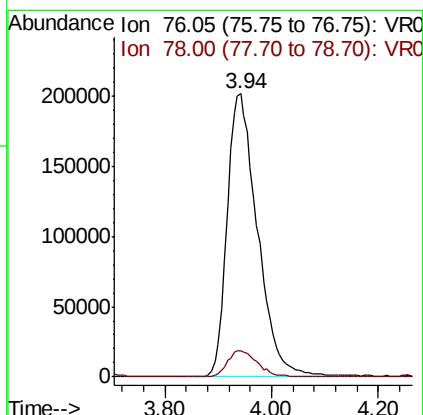
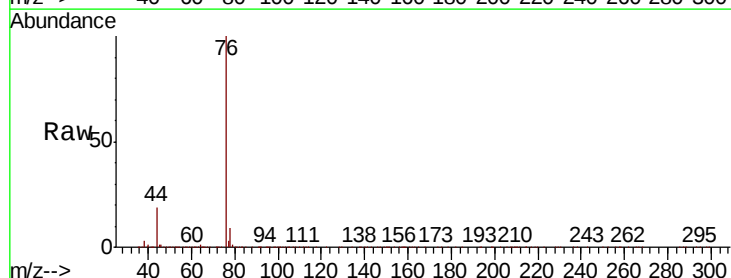
Acq: 17 Oct 2018 11:59

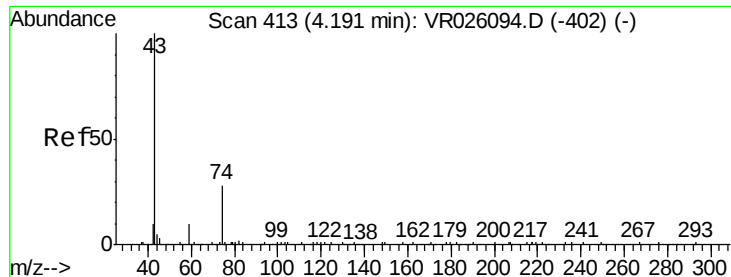
Tgt Ion: 76 Resp: 798047

Ion Ratio Lower Upper

76 100

78 9.1 7.6 11.4





#15

Methyl Acetate

Concen: 4.599 ug/L

RT: 4.20 min Scan# 414

Delta R.T. 0.01 min

Lab File: VR026111.D

Acq: 17 Oct 2018 11:59

Instrument :

MSVOA_R

ClientSampleId :

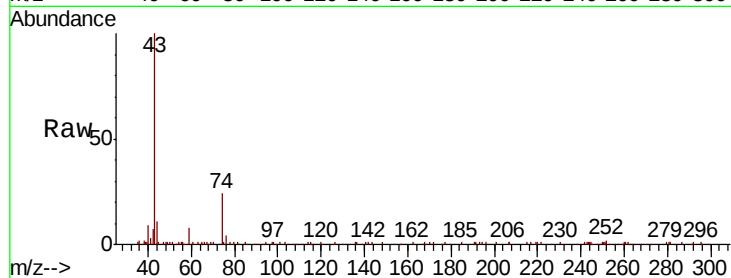
VSTD00592

Tgt Ion: 43 Resp: 56328

Ion Ratio Lower Upper

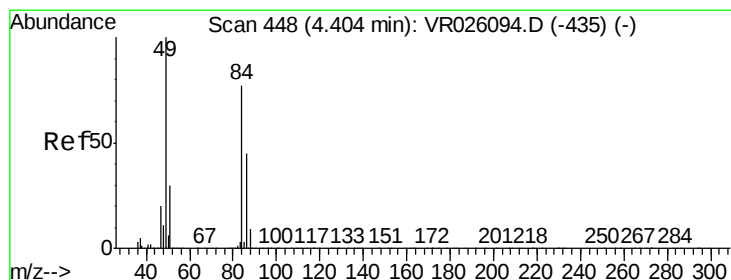
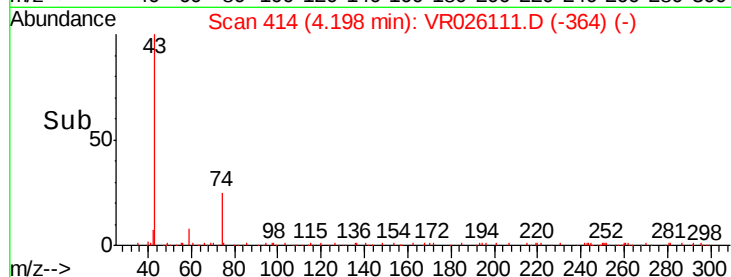
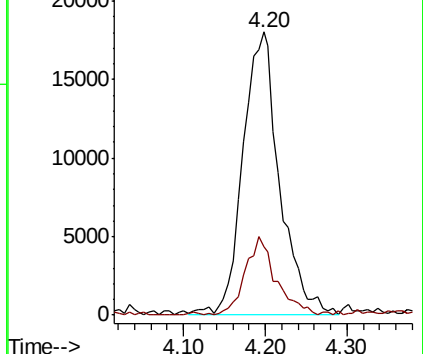
43 100

74 23.3 19.8 29.8



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0



#16

Methylene chloride

Concen: 4.400 ug/L

RT: 4.40 min Scan# 448

Delta R.T. -0.00 min

Lab File: VR026111.D

Acq: 17 Oct 2018 11:59

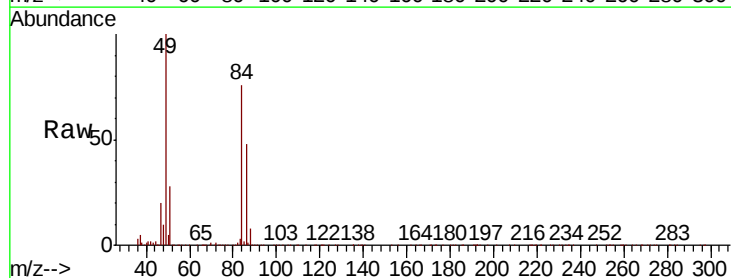
Tgt Ion: 84 Resp: 244896

Ion Ratio Lower Upper

84 100

86 63.5 43.0 79.8

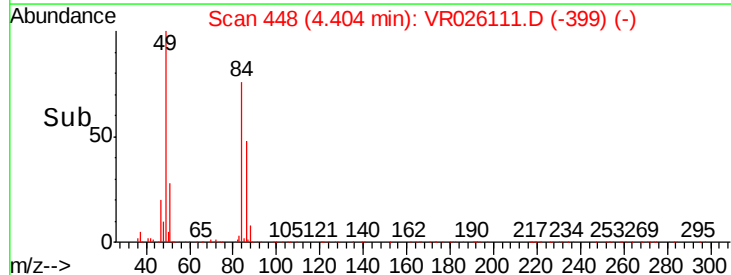
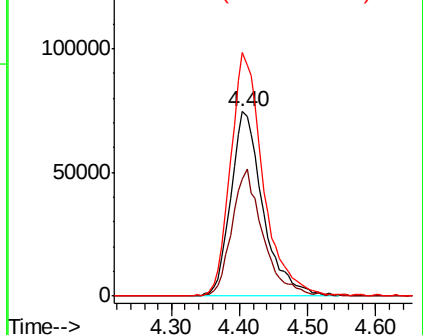
49 132.2 89.1 165.5

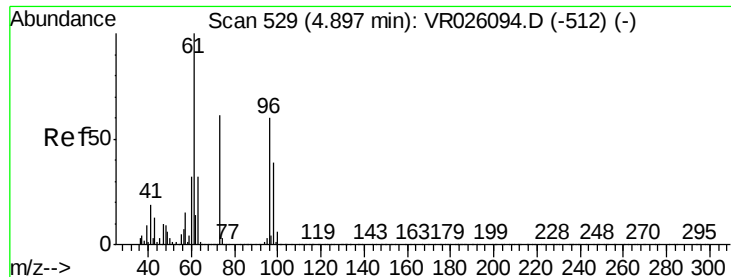


Abundance Ion 84.05 (83.75 to 84.75): VR0

Ion 86.00 (85.70 to 86.70): VR0

Ion 49.10 (48.80 to 49.80): VR0

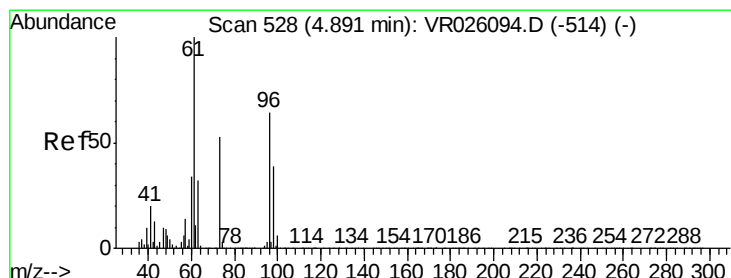
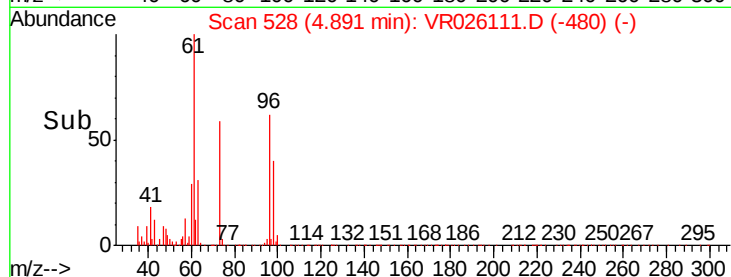
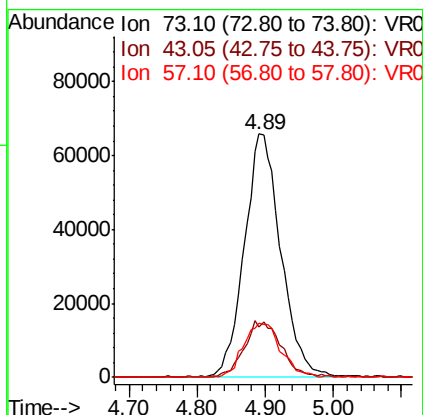
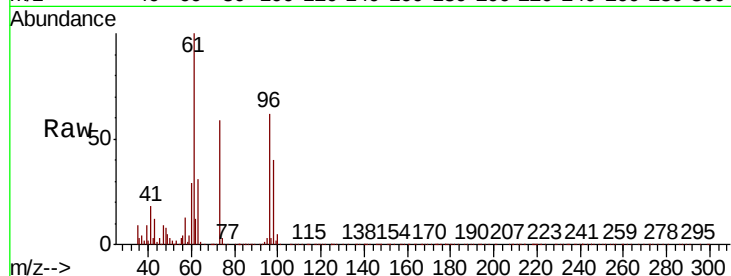




#17
Methyl tert-butyl Ether
Concen: 4.383 ug/L
RT: 4.89 min Scan# 528
Delta R.T. -0.01 min
Lab File: VR026111.D
Acq: 17 Oct 2018 11:59

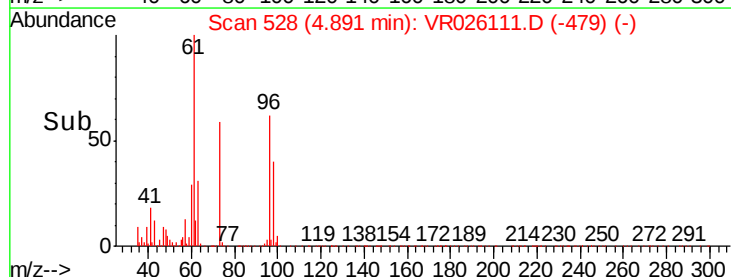
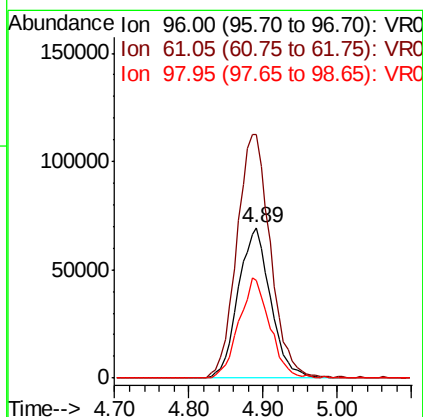
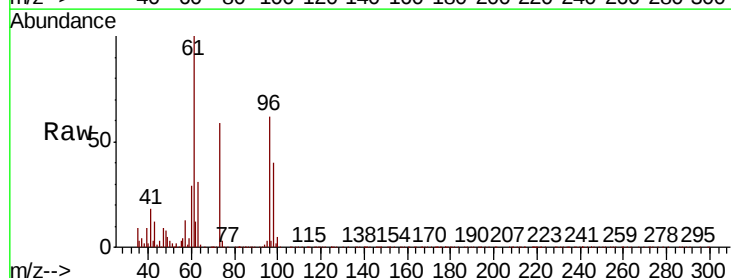
Instrument :
MSVOA_R
ClientSampleId :
VSTD00592

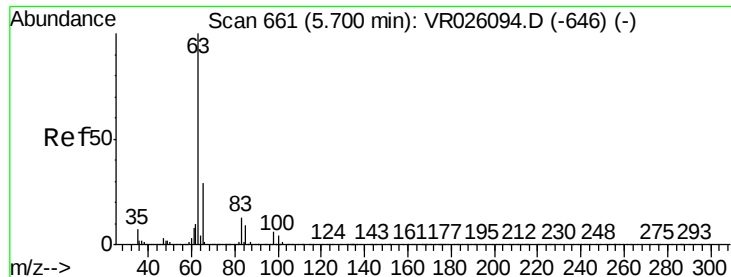
Tgt Ion	Ratio	Lower	Upper
73	100		
43	23.3	20.1	30.1
57	23.2	19.0	28.4



#18
trans-1,2-Dichloroethene
Concen: 4.569 ug/L
RT: 4.89 min Scan# 528
Delta R.T. -0.00 min
Lab File: VR026111.D
Acq: 17 Oct 2018 11:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.4	111.4	206.8
98	64.9	41.4	77.0

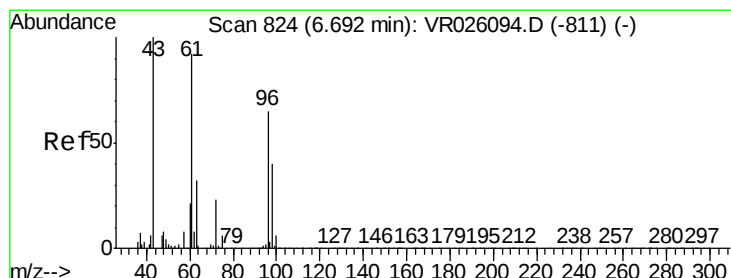
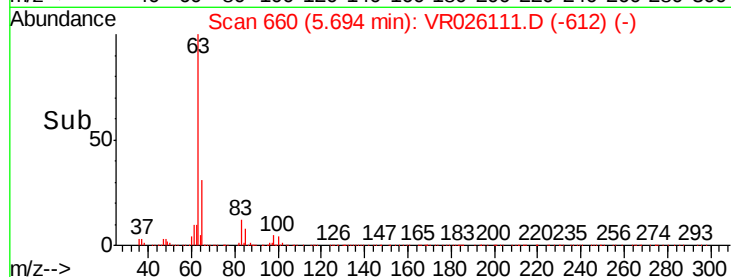
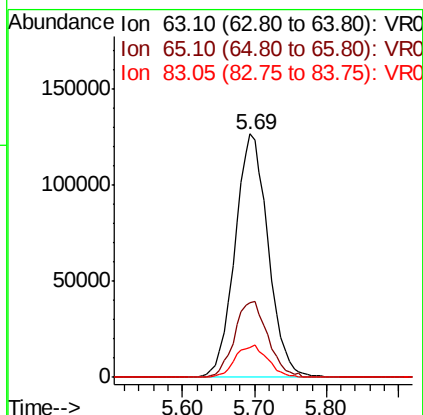
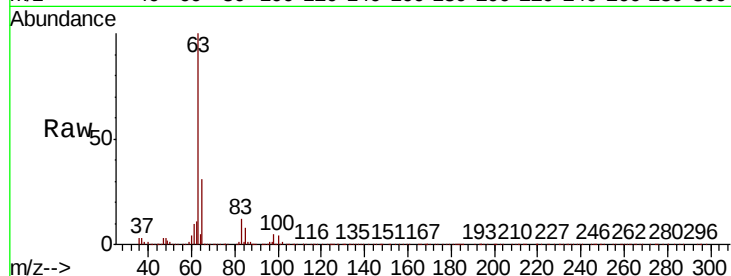




#19
 1,1-Dichloroethane
 Concen: 4.616 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. -0.01 min
 Lab File: VR026111.D
 Acq: 17 Oct 2018 11:59

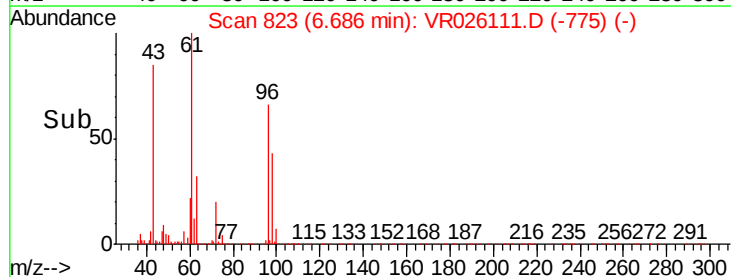
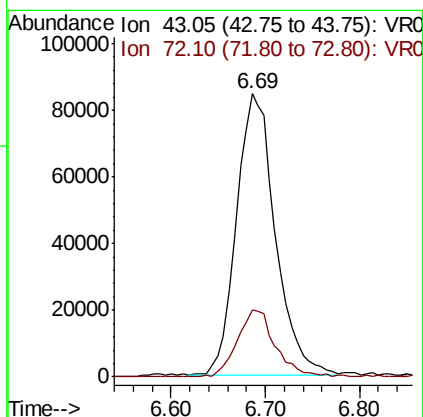
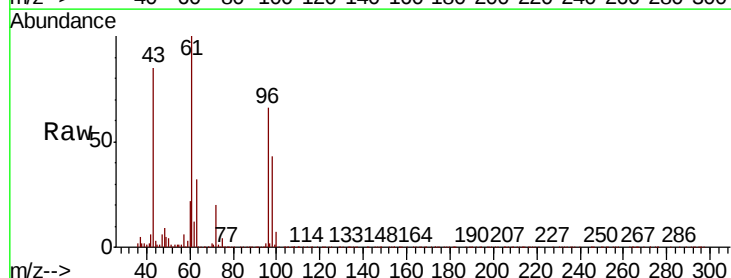
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00592

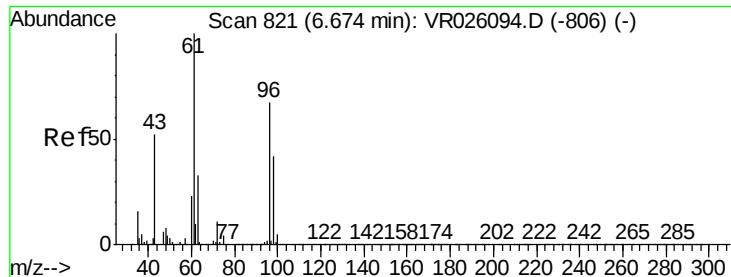
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.3	21.2	39.4
83	12.3	9.2	17.2



#21
 2-Butanone
 Concen: 44.755 ug/L
 RT: 6.69 min Scan# 823
 Delta R.T. -0.01 min
 Lab File: VR026111.D
 Acq: 17 Oct 2018 11:59

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.5	12.3	36.8



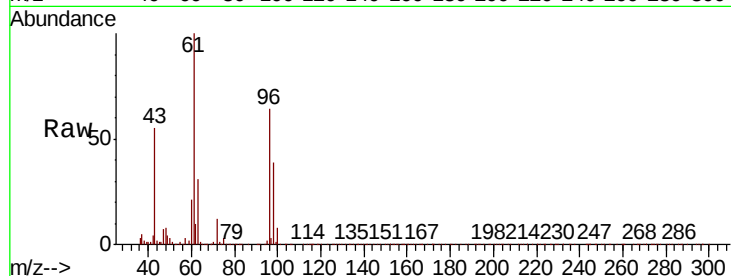


#22

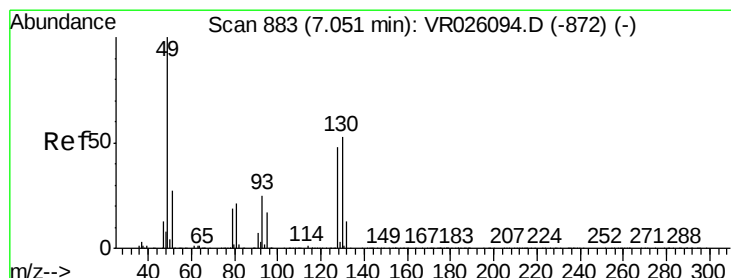
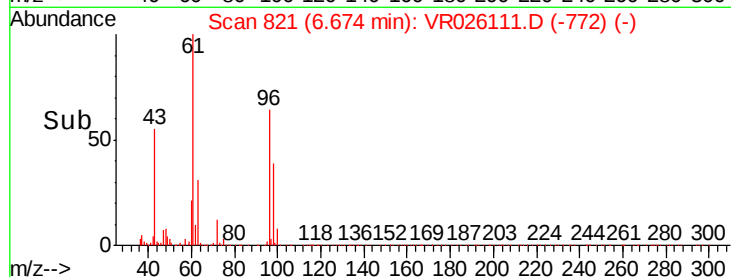
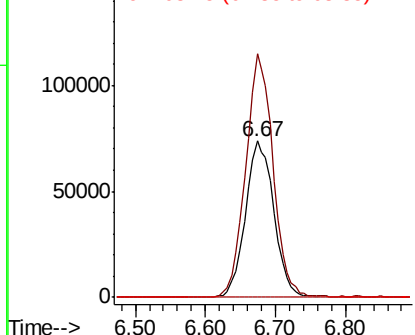
cis-1,2-Dichloroethene
Concen: 4.739 ug/L
RT: 6.67 min Scan# 821
Delta R.T. -0.00 min
Lab File: VR026111.D
Acq: 17 Oct 2018 11:59

Instrument :
MSVOA_R
ClientSampleId :
VSTD00592

Tgt Ion: 96 Resp: 208098
Ion Ratio Lower Upper
96 100
61 155.7 101.8 189.0
68 0.0 0.1 0.3#



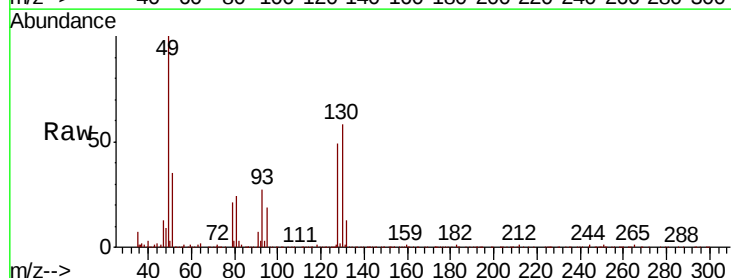
Abundance Ion 96.00 (95.70 to 96.70): VR0
Ion 61.05 (60.75 to 61.75): VR0
Ion 68.15 (67.85 to 68.85): VR0



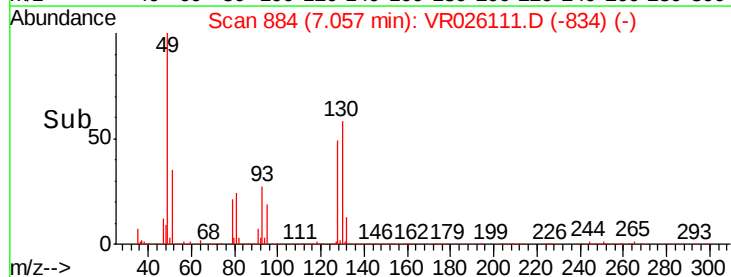
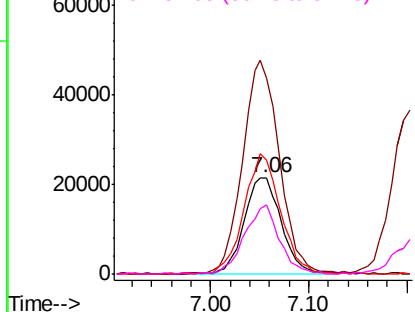
#23

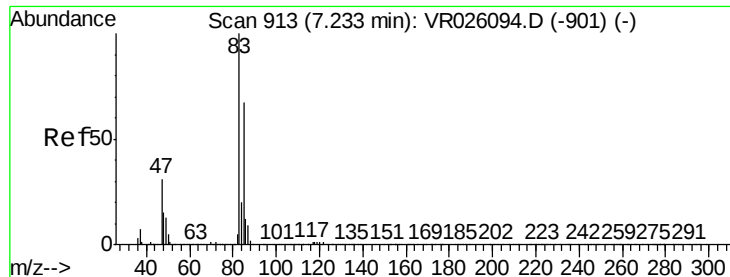
Bromochloromethane
Concen: 4.614 ug/L
RT: 7.06 min Scan# 884
Delta R.T. 0.01 min
Lab File: VR026111.D
Acq: 17 Oct 2018 11:59

Tgt Ion: 128 Resp: 56831
Ion Ratio Lower Upper
128 100
49 203.7 146.2 271.4
130 118.6 92.5 171.7
51 72.0 55.6 83.4



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: 4.682 ug/L

RT: 7.23 min Scan# 913

Delta R.T. -0.00 min

Lab File: VR026111.D

Acq: 17 Oct 2018 11:59

Instrument :

MSVOA_R

ClientSampleId :

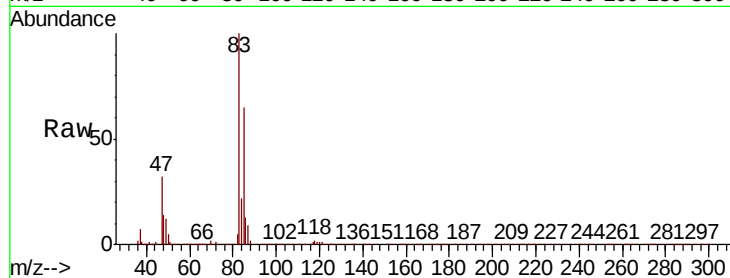
VSTD00592

Tgt Ion: 83 Resp: 398224

Ion Ratio Lower Upper

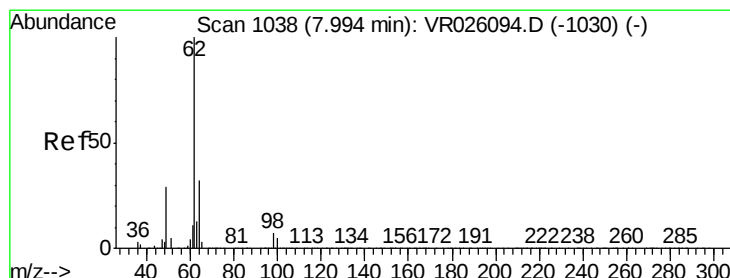
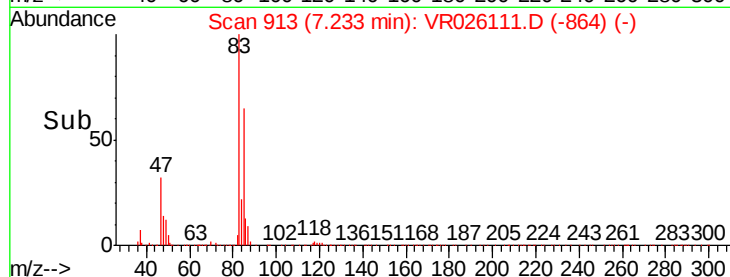
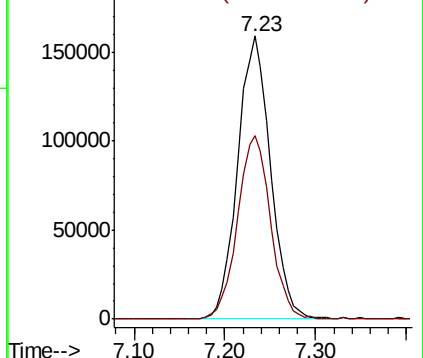
83 100

85 64.7 43.5 80.7



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0



#27

1,2-Dichloroethane

Concen: 4.526 ug/L

RT: 7.99 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VR026111.D

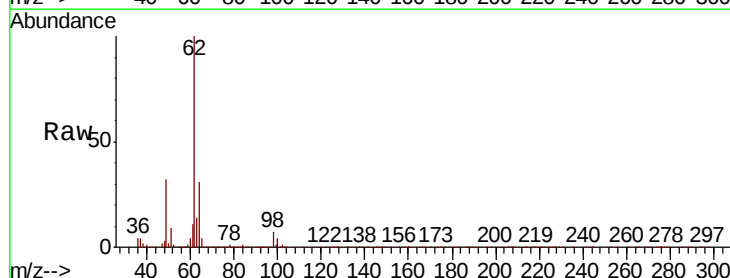
Acq: 17 Oct 2018 11:59

Tgt Ion: 62 Resp: 188442

Ion Ratio Lower Upper

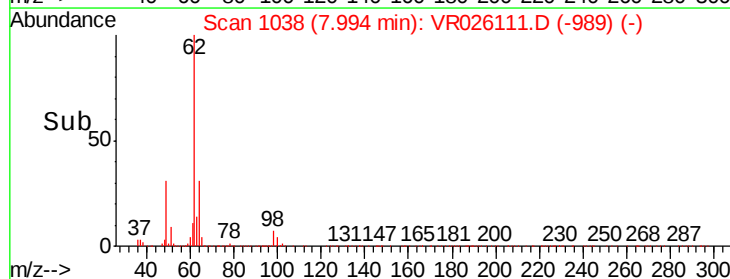
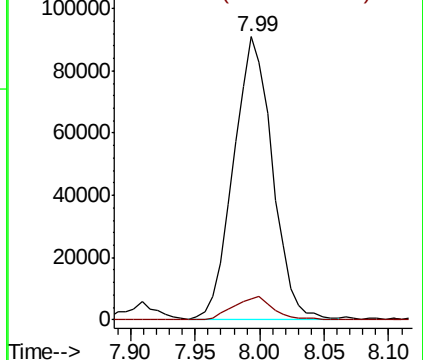
62 100

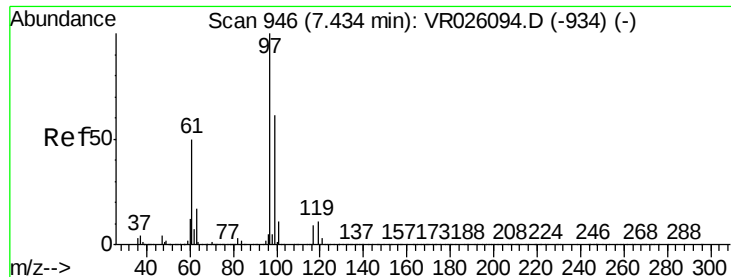
98 7.3 5.6 8.4



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0





#29

1,1,1-Trichloroethane

Concen: 4.637 ug/L

RT: 7.43 min Scan# 946

Delta R.T. -0.00 min

Lab File: VR026111.D

Acq: 17 Oct 2018 11:59

Instrument :

MSVOA_R

ClientSampleId :

VSTD00592

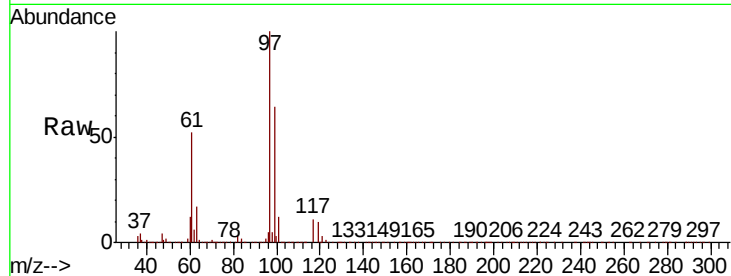
Tgt Ion: 97 Resp: 344988

Ion Ratio Lower Upper

97 100

99 64.0 51.1 76.7

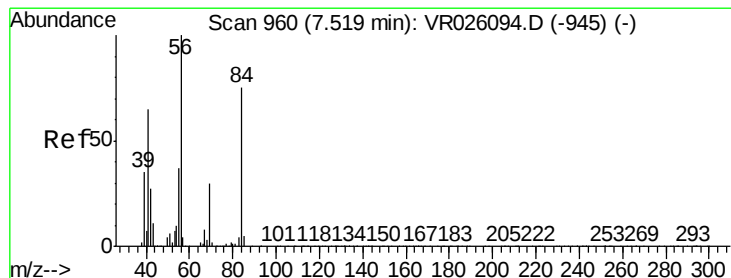
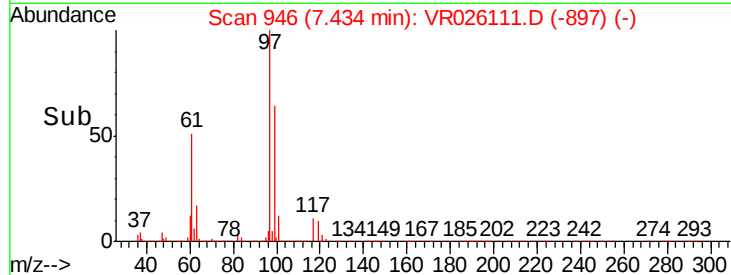
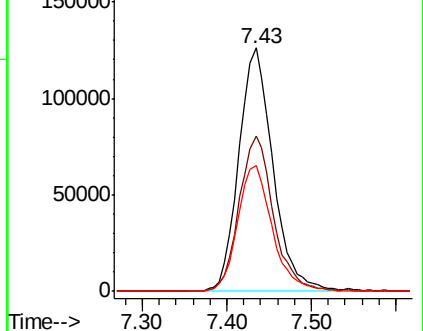
61 52.4 42.1 63.1



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: 4.917 ug/L

RT: 7.52 min Scan# 960

Delta R.T. -0.00 min

Lab File: VR026111.D

Acq: 17 Oct 2018 11:59

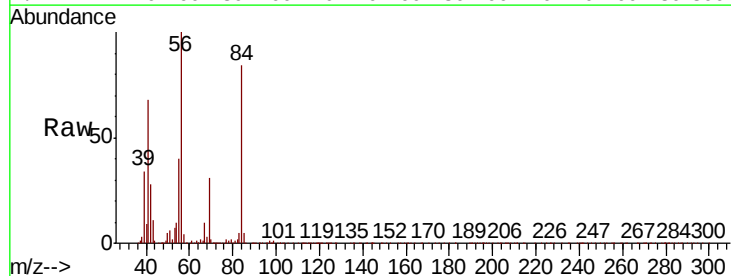
Tgt Ion: 56 Resp: 367190

Ion Ratio Lower Upper

56 100

69 30.0 23.8 35.8

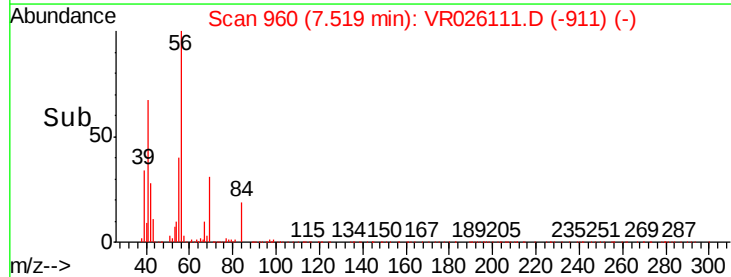
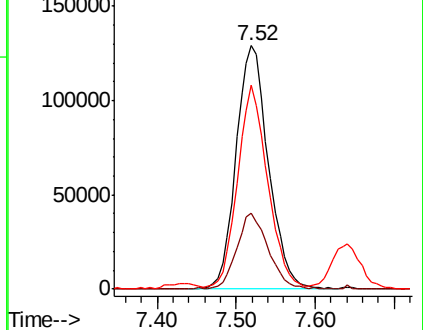
84 78.1 62.2 93.4

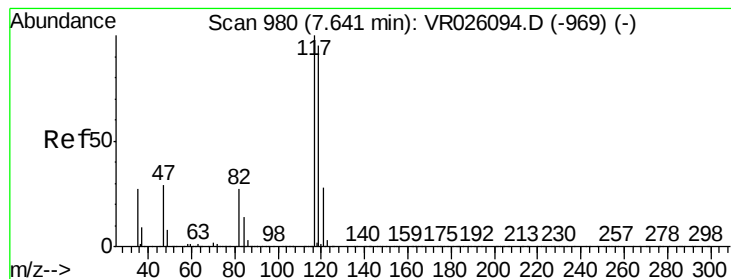


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 4.616 ug/L

RT: 7.64 min Scan# 980

Delta R.T. -0.00 min

Lab File: VR026111.D

Acq: 17 Oct 2018 11:59

Instrument :

MSVOA_R

ClientSampleId :

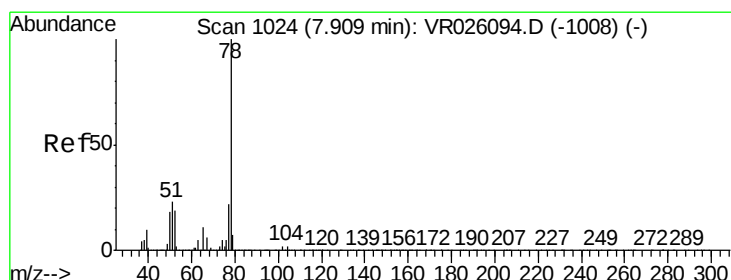
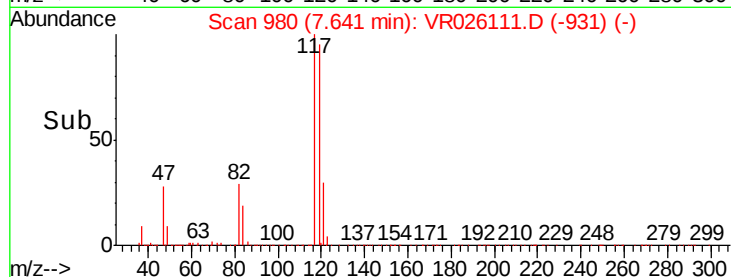
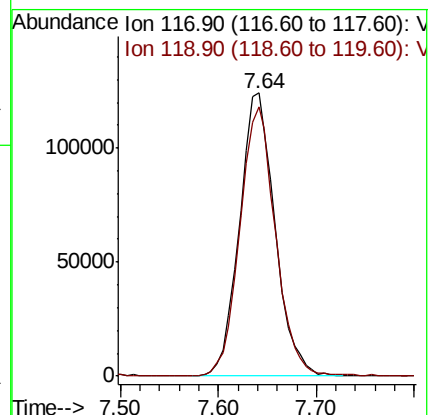
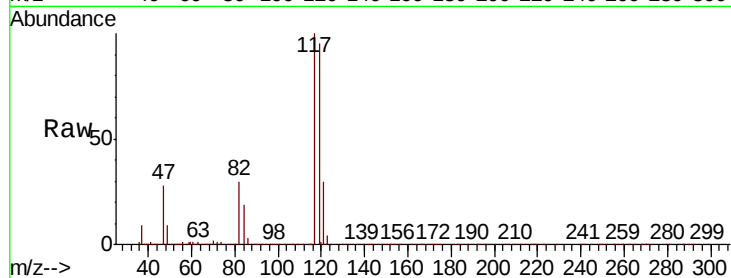
VSTD00592

Tgt Ion:117 Resp: 312211

Ion Ratio Lower Upper

117 100

119 95.4 74.2 111.2



#33

Benzene

Concen: 4.728 ug/L

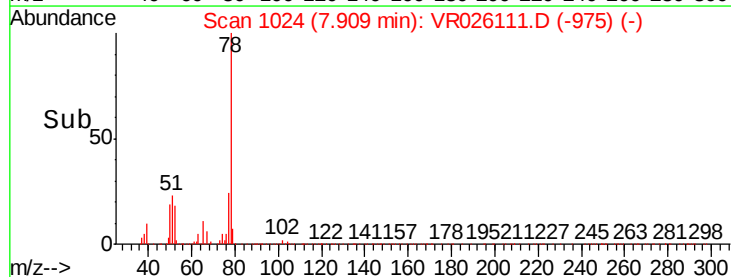
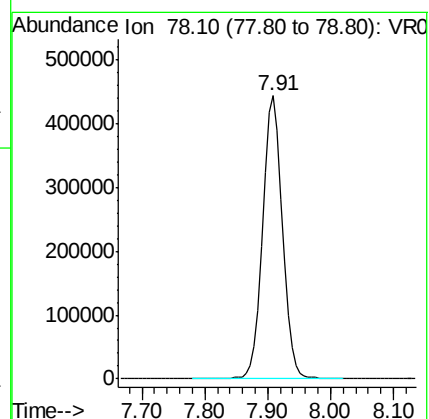
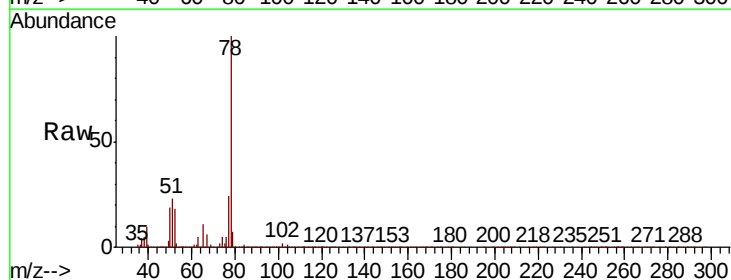
RT: 7.91 min Scan# 1024

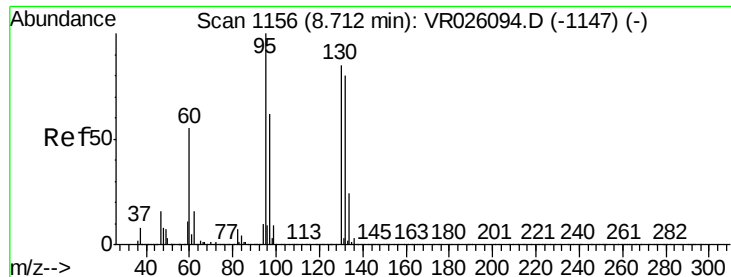
Delta R.T. -0.00 min

Lab File: VR026111.D

Acq: 17 Oct 2018 11:59

Tgt Ion: 78 Resp: 965889

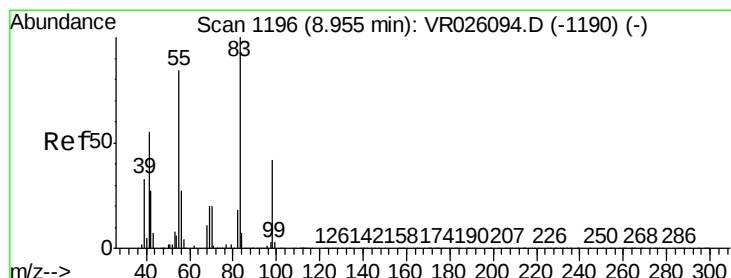
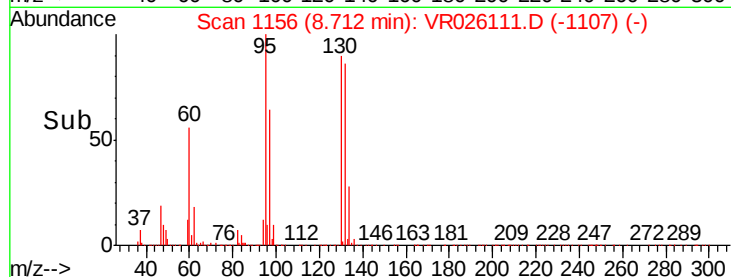
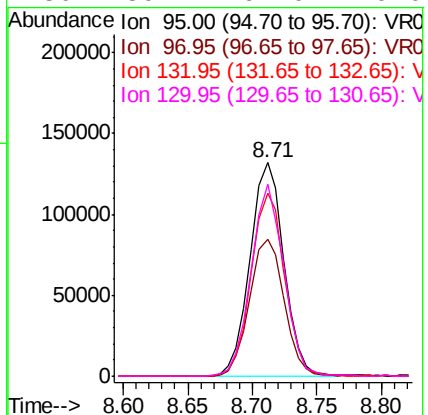
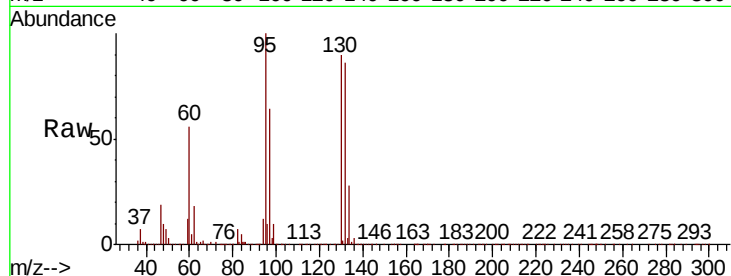




#34
 Trichloroethene
 Concen: 4.575 ug/L
 RT: 8.71 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: VR026111.D
 Acq: 17 Oct 2018 11:59

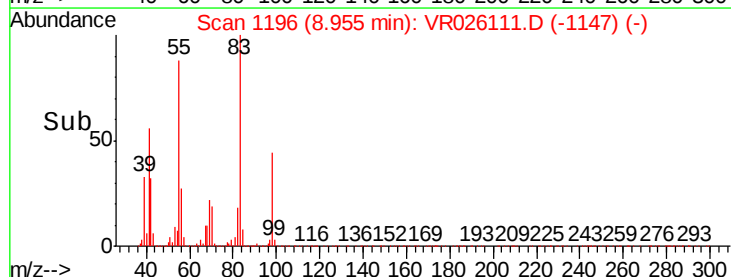
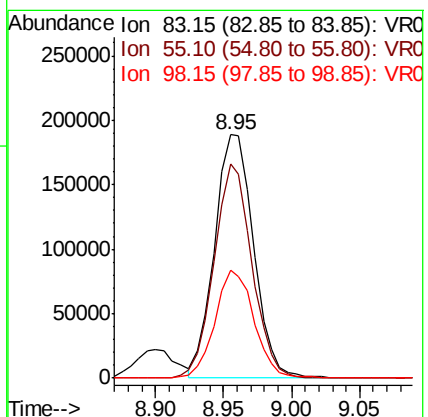
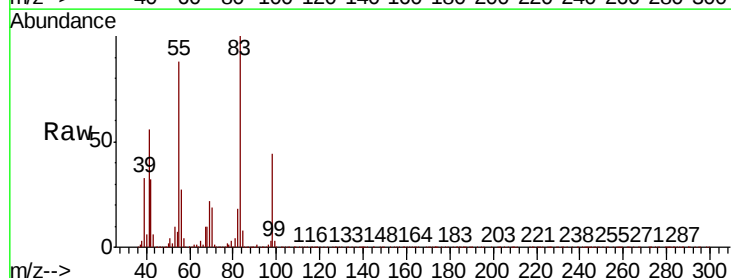
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00592

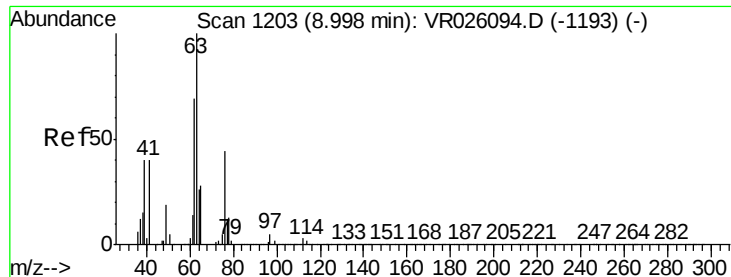
Tgt Ion:	95	Resp:	239235
Ion	Ratio	Lower	Upper
95	100		
97	64.1	45.7	84.9
132	85.7	58.3	108.3
130	89.7	64.0	119.0



#35
 Methylcyclohexane
 Concen: 4.792 ug/L
 RT: 8.95 min Scan# 1196
 Delta R.T. -0.00 min
 Lab File: VR026111.D
 Acq: 17 Oct 2018 11:59

Tgt Ion:	83	Resp:	373055
Ion	Ratio	Lower	Upper
83	100		
55	86.0	66.8	100.2
98	44.9	35.2	52.8

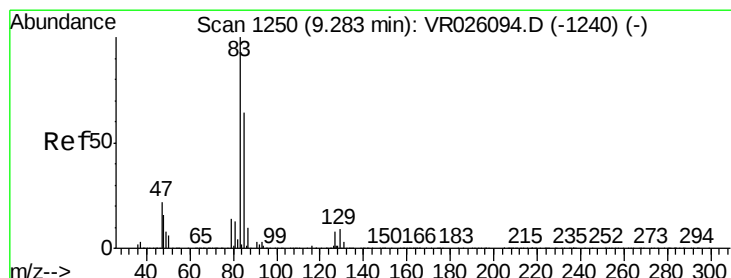
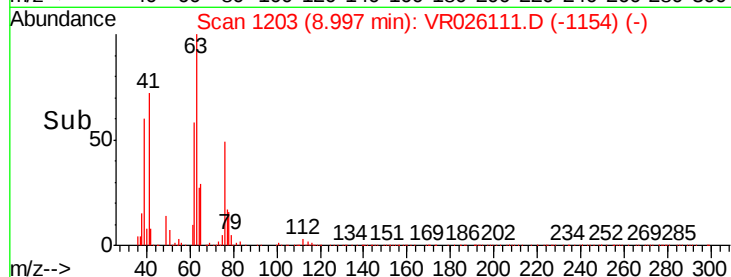
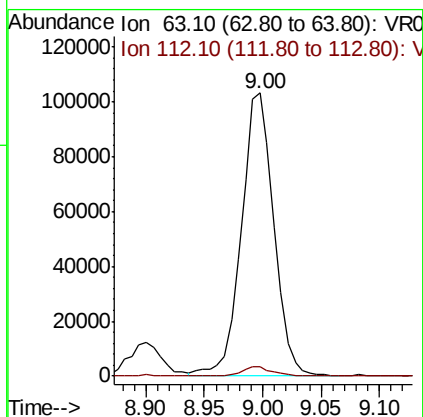
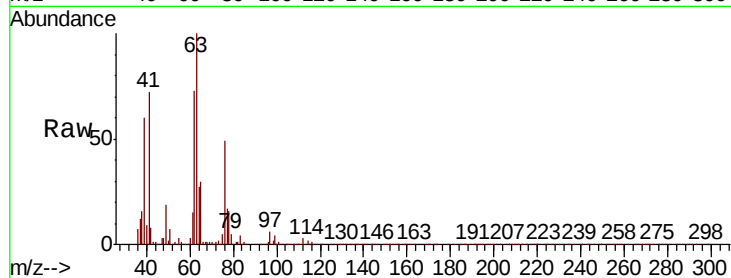




#37
 1,2-Dichloropropane
 Concen: 4.633 ug/L
 RT: 9.00 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: VR026111.D
 Acq: 17 Oct 2018 11:59

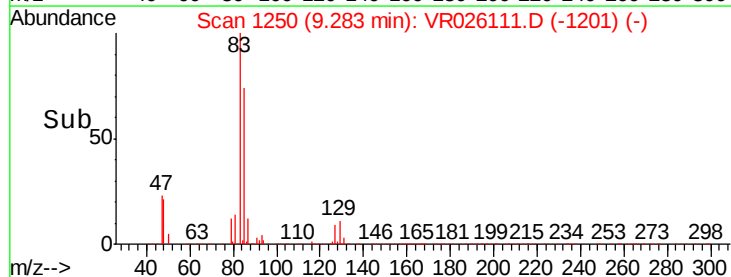
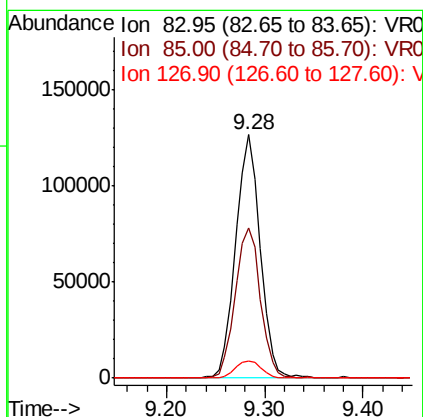
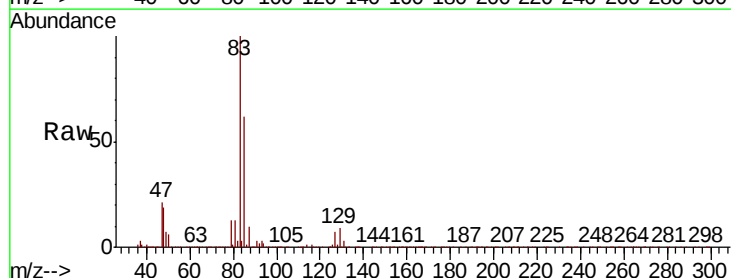
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00592

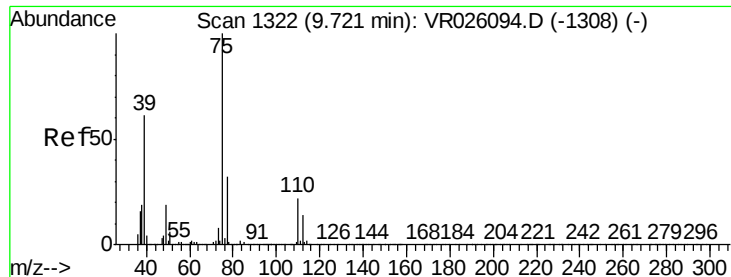
Tgt Ion: 63 Resp: 199669
 Ion Ratio Lower Upper
 63 100
 112 3.0 2.7 4.1



#38
 Bromodichloromethane
 Concen: 4.731 ug/L
 RT: 9.28 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VR026111.D
 Acq: 17 Oct 2018 11:59

Tgt Ion: 83 Resp: 219308
 Ion Ratio Lower Upper
 83 100
 85 61.6 43.5 80.7
 127 7.2 7.0 10.6

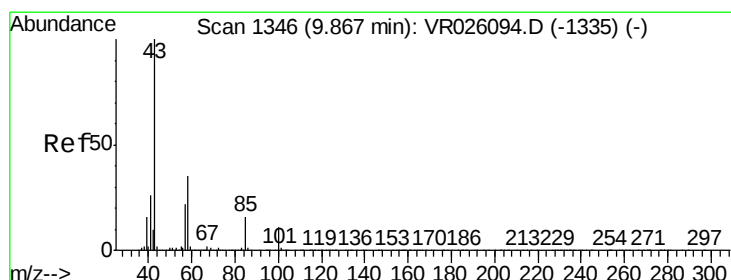
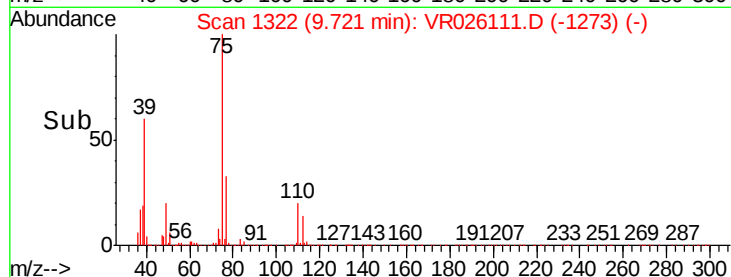
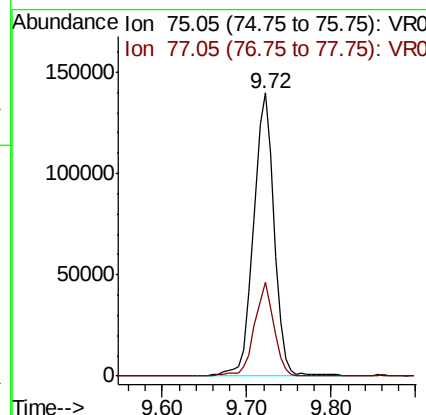
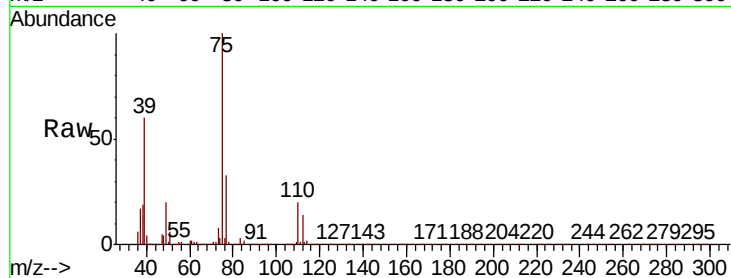




#39
 cis-1,3-Dichloropropene
 Concen: 4.634 ug/L
 RT: 9.72 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VR026111.D
 Acq: 17 Oct 2018 11:59

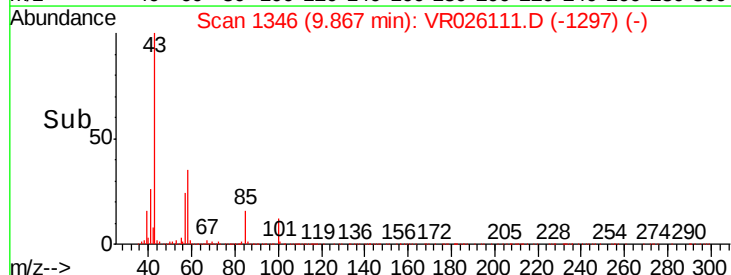
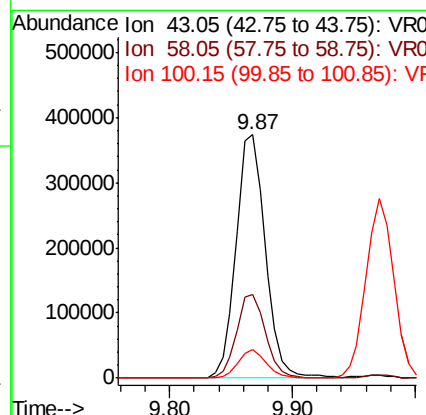
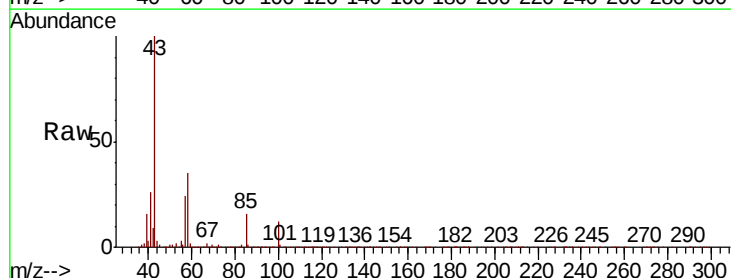
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00592

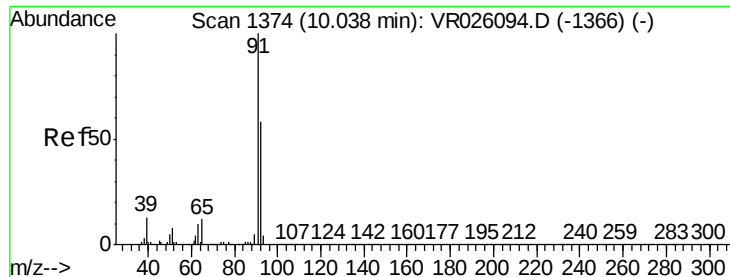
Tgt Ion: 75 Resp: 228577
 Ion Ratio Lower Upper
 75 100
 77 33.0 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 46.928 ug/L
 RT: 9.87 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: VR026111.D
 Acq: 17 Oct 2018 11:59

Tgt Ion: 43 Resp: 617688
 Ion Ratio Lower Upper
 43 100
 58 34.1 28.1 42.1
 100 11.1 9.3 13.9





#42

Toluene

Concen: 4.804 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. -0.00 min

Lab File: VR026111.D

Acq: 17 Oct 2018 11:59

Instrument :

MSVOA_R

ClientSampleId :

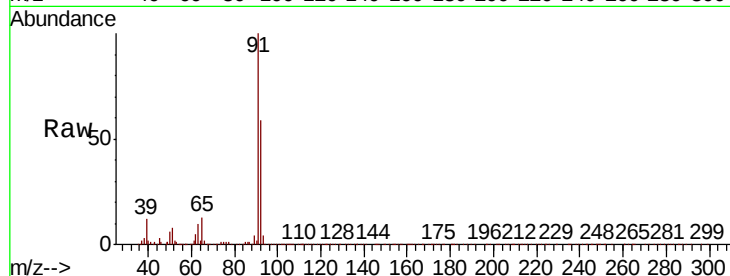
VSTD00592

Tgt Ion: 91 Resp: 1035861

Ion Ratio Lower Upper

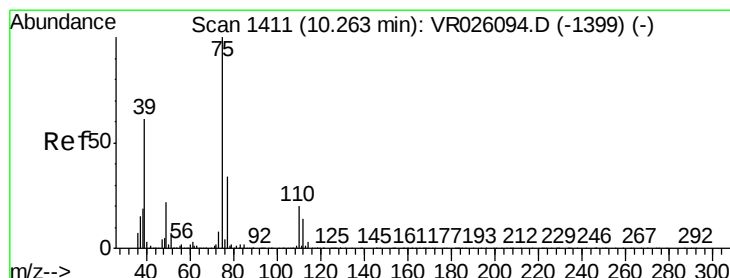
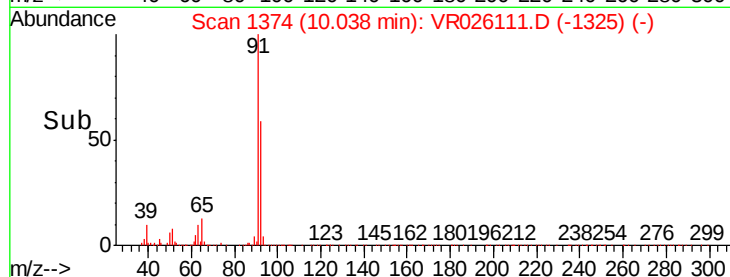
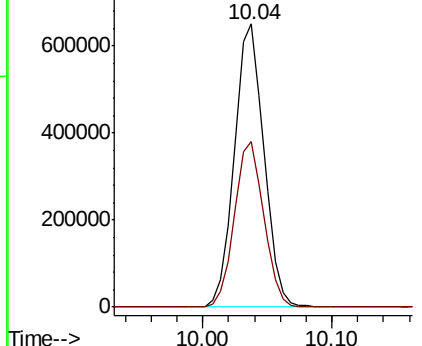
91 100

92 58.6 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 92.15 (91.85 to 92.85): VR0



#44

trans-1,3-Dichloropropene

Concen: 4.697 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR026111.D

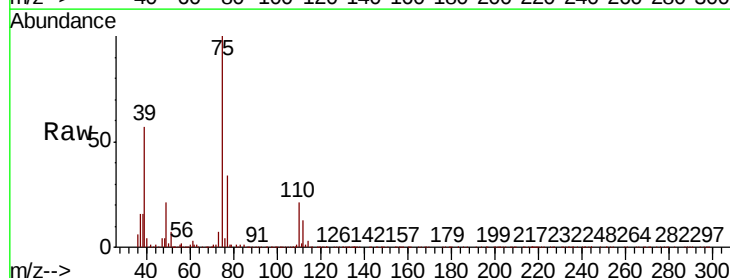
Acq: 17 Oct 2018 11:59

Tgt Ion: 75 Resp: 161880

Ion Ratio Lower Upper

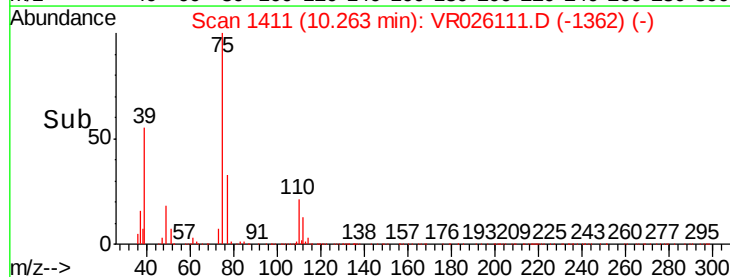
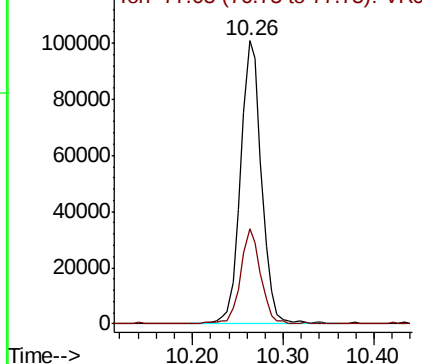
75 100

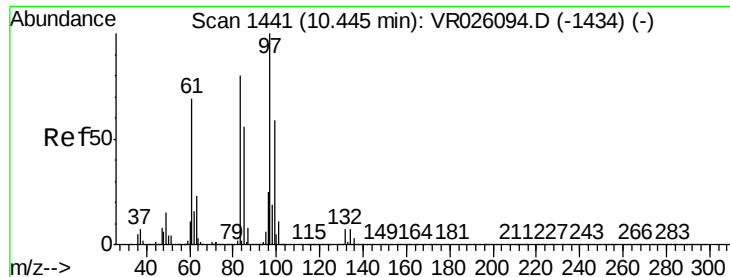
77 33.7 24.1 44.7



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

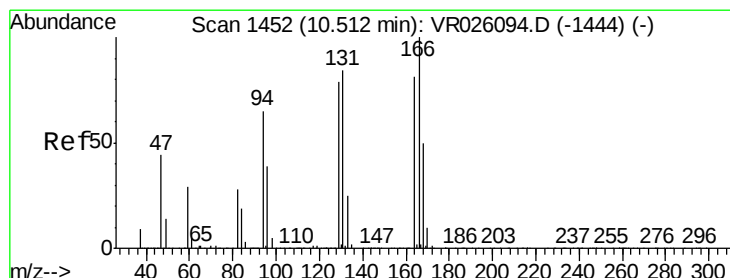
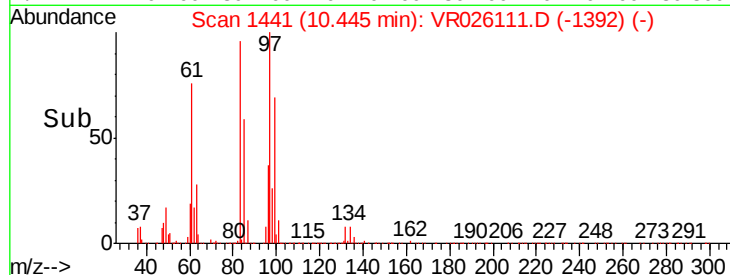
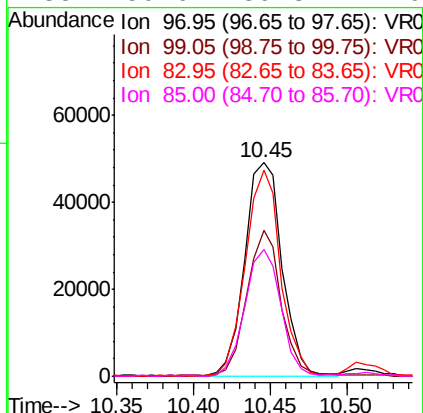
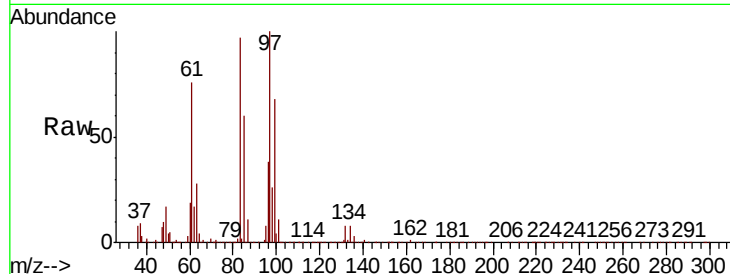




#45
 1,1,2-Trichloroethane
 Concen: 4.566 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VR026111.D
 Acq: 17 Oct 2018 11:59

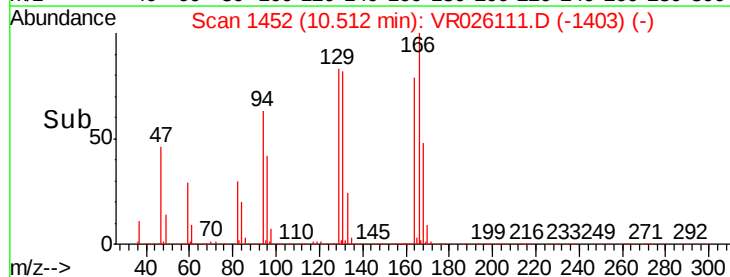
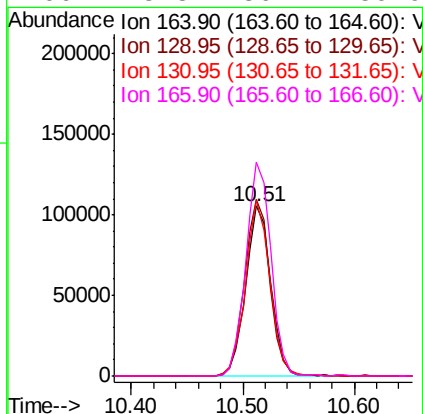
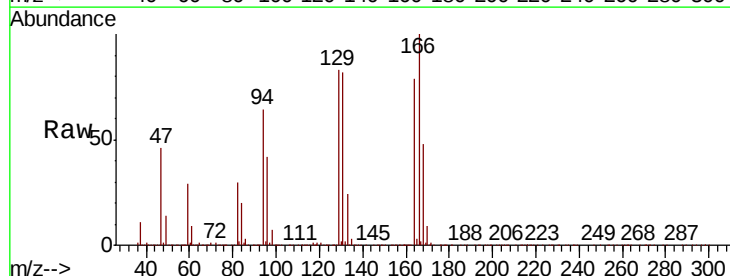
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00592

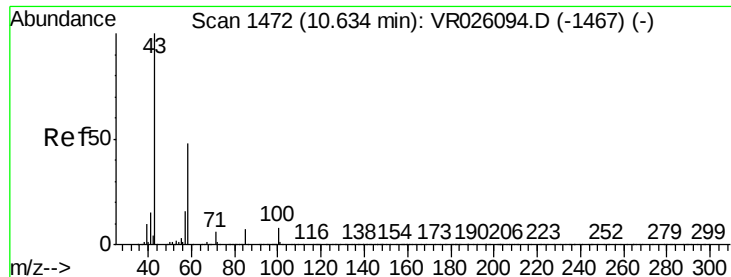
Tgt Ion:	97	Resp:	83001
Ion	Ratio	Lower	Upper
97	100		
99	68.4	42.8	79.4
83	96.6	61.9	114.9
85	59.6	39.3	72.9



#47
 Tetrachloroethene
 Concen: 4.401 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: VR026111.D
 Acq: 17 Oct 2018 11:59

Tgt Ion:	164	Resp:	164332
Ion	Ratio	Lower	Upper
164	100		
129	103.9	70.3	130.5
131	103.4	67.3	125.1
166	125.8	86.1	159.9

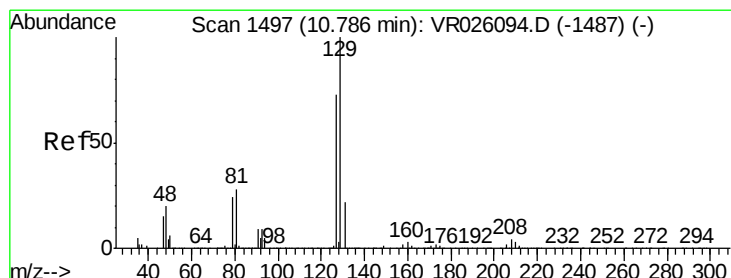
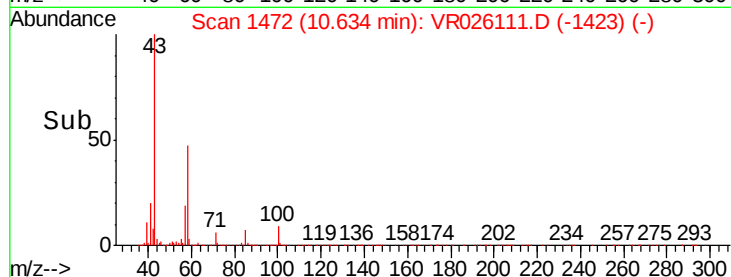
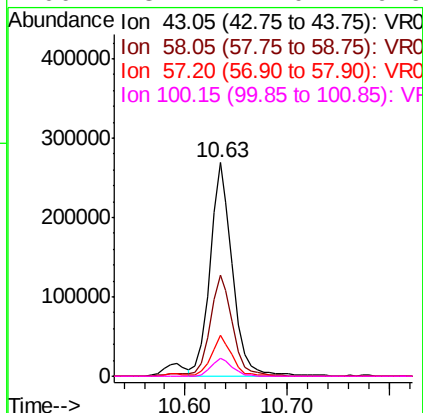
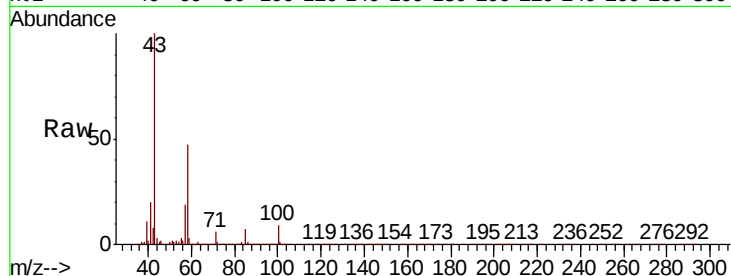




#48
2-Hexanone
Concen: 47.696 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR026111.D
Acq: 17 Oct 2018 11:59

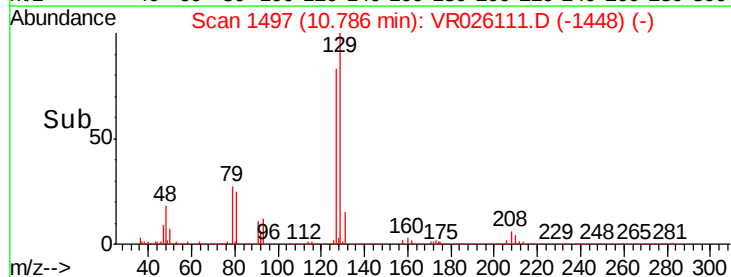
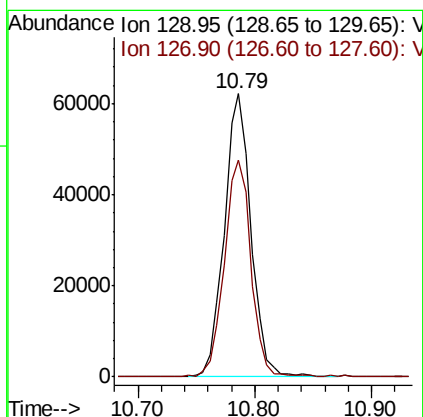
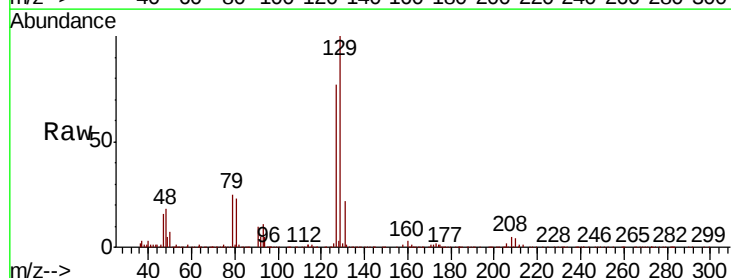
Instrument :
MSVOA_R
ClientSampleId :
VSTD00592

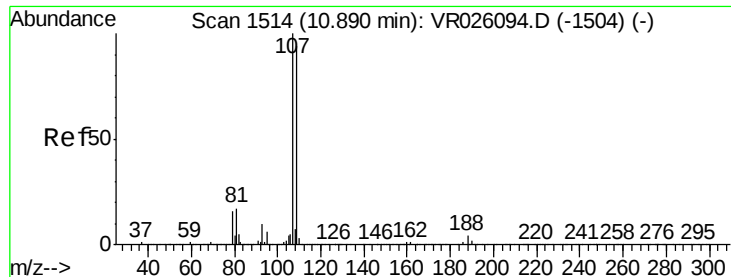
Tgt Ion:	43	Resp:	410037
Ion	Ratio	Lower	Upper
43	100		
58	49.1	39.6	59.4
57	17.7	14.0	21.0
100	8.4	7.0	10.6



#49
Dibromochloromethane
Concen: 4.792 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VR026111.D
Acq: 17 Oct 2018 11:59

Tgt Ion:	129	Resp:	98034
Ion	Ratio	Lower	Upper
129	100		
127	76.6	55.0	102.2

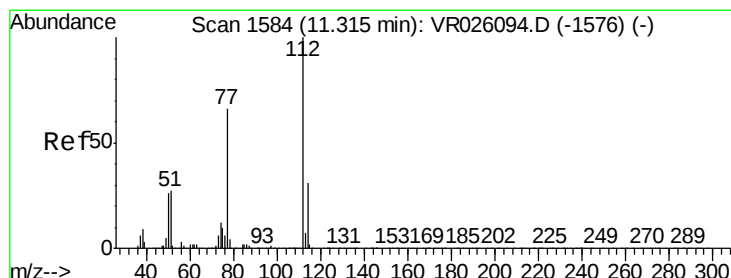
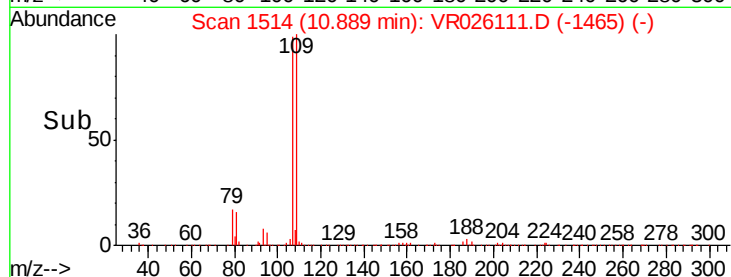
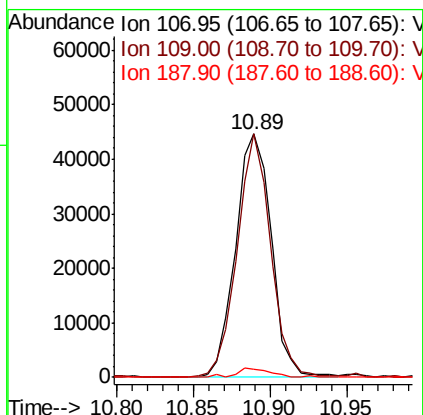
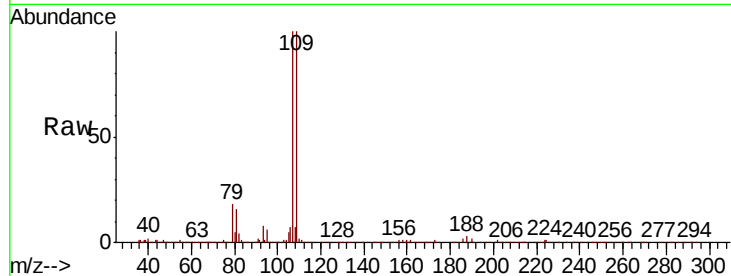




#50
1,2-Dibromoethane
Concen: 4.612 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VR026111.D
Acq: 17 Oct 2018 11:59

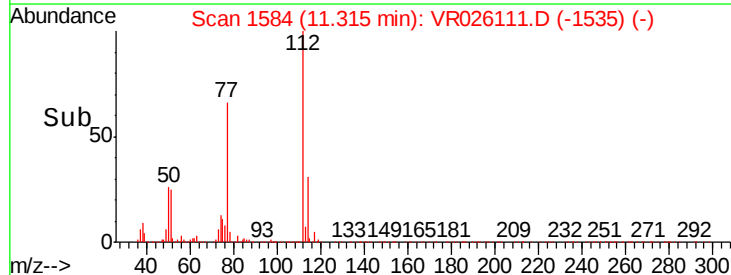
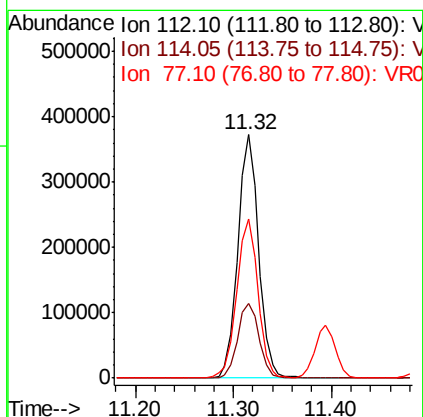
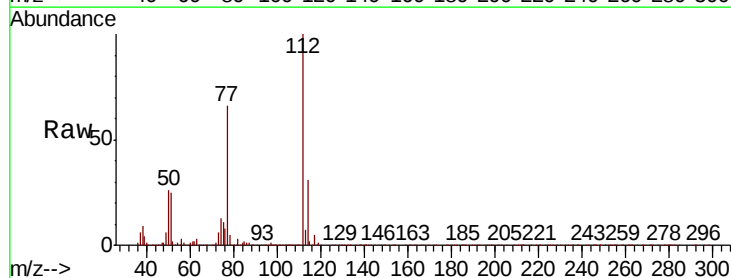
Instrument :
MSVOA_R
ClientSampleId :
VSTD00592

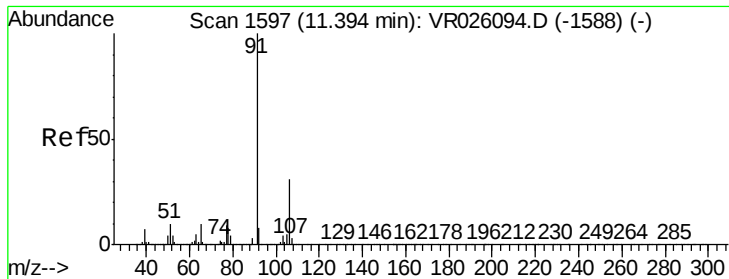
Tgt Ion:107 Resp: 72443
Ion Ratio Lower Upper
107 100
109 100.2 58.7 109.1
188 3.3 2.9 4.3



#51
Chlorobenzene
Concen: 4.588 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VR026111.D
Acq: 17 Oct 2018 11:59

Tgt Ion:112 Resp: 547577
Ion Ratio Lower Upper
112 100
114 30.8 22.8 42.4
77 65.5 51.5 77.3





#52

Ethylbenzene

Concen: 4.884 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR026111.D

Acq: 17 Oct 2018 11:59

Instrument :

MSVOA_R

ClientSampleId :

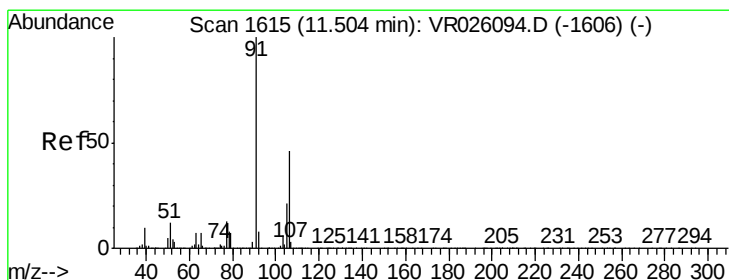
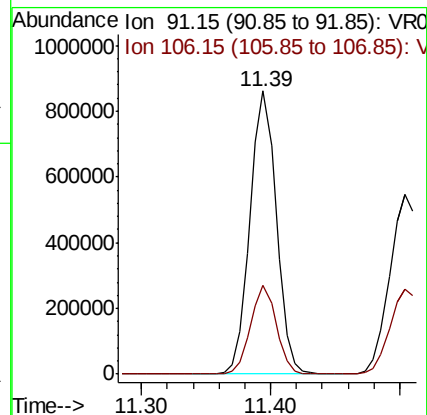
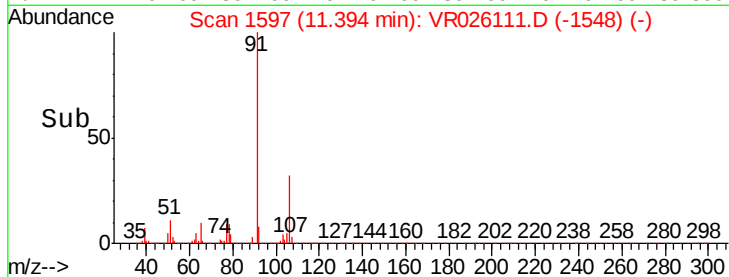
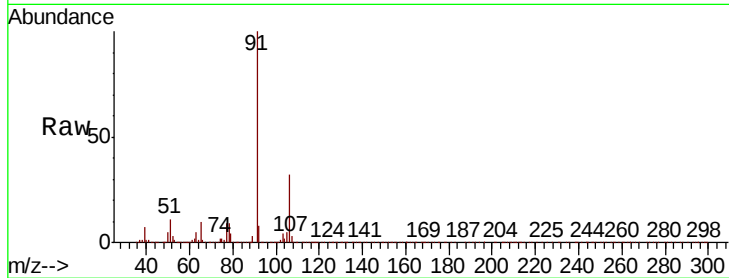
VSTD00592

Tgt Ion: 91 Resp: 1211009

Ion Ratio Lower Upper

91 100

106 31.5 21.2 39.4



#53

m,p-Xylene

Concen: 4.892 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR026111.D

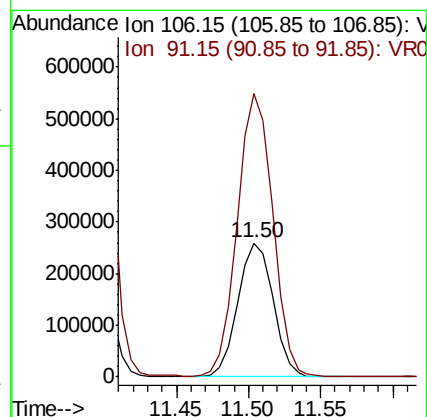
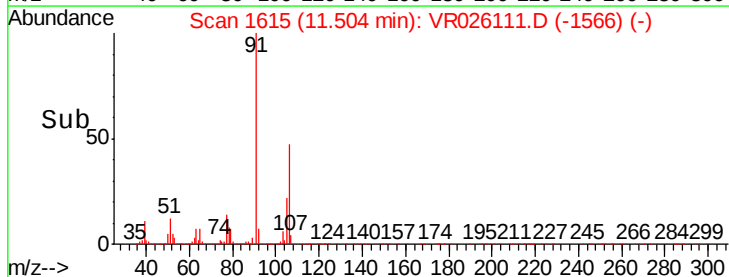
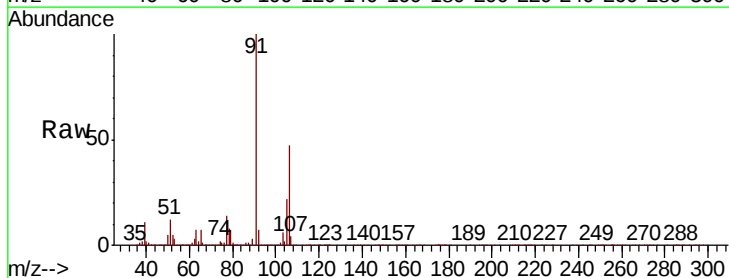
Acq: 17 Oct 2018 11:59

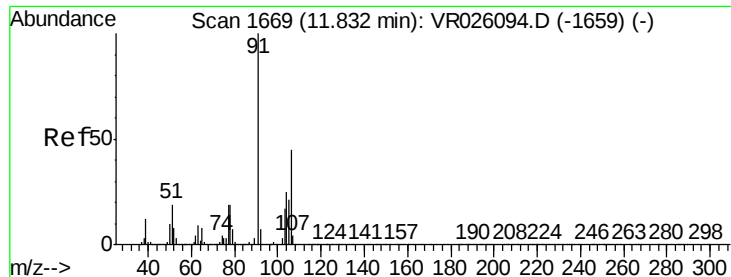
Tgt Ion: 106 Resp: 441887

Ion Ratio Lower Upper

106 100

91 211.0 145.3 269.8

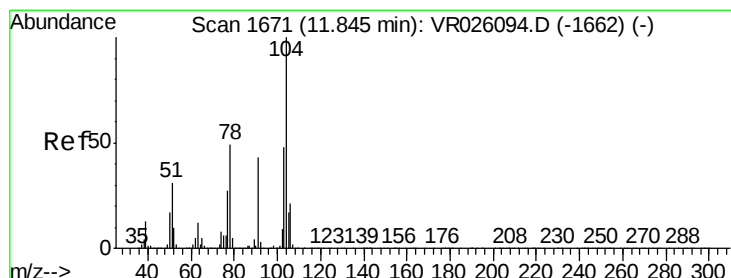
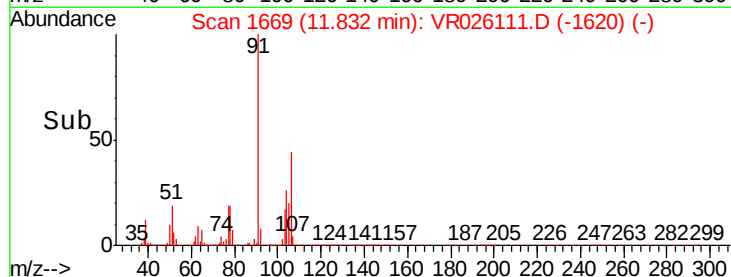
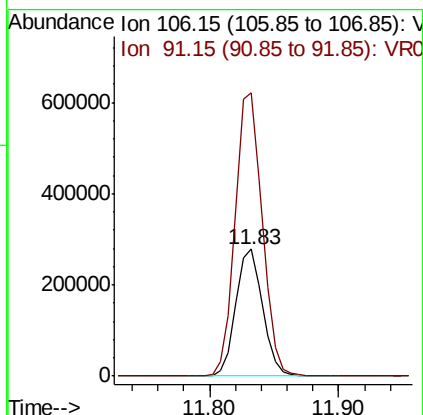
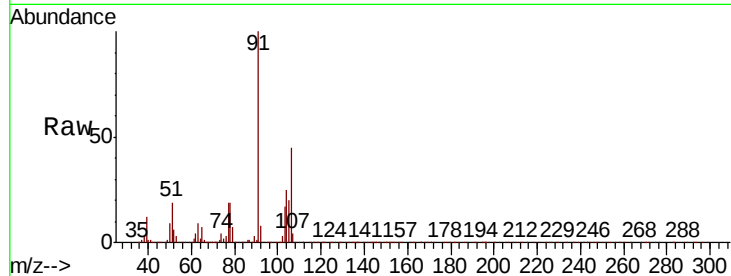




#54
o-Xylene
Concen: 4.860 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. -0.00 min
Lab File: VR026111.D
Acq: 17 Oct 2018 11:59

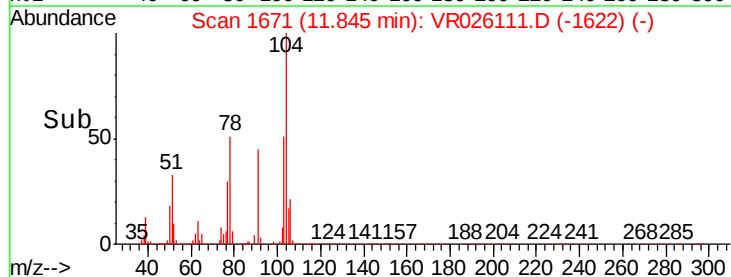
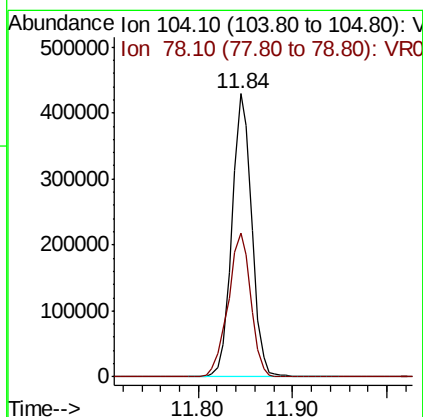
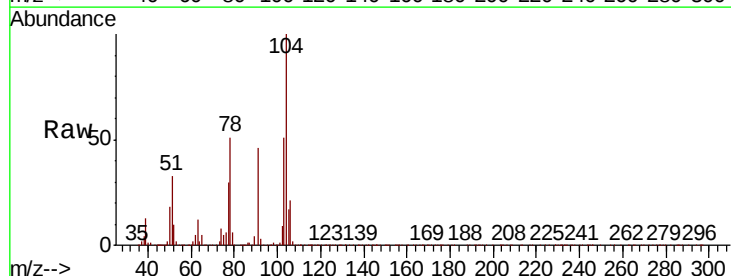
Instrument :
MSVOA_R
ClientSampleId :
VSTD00592

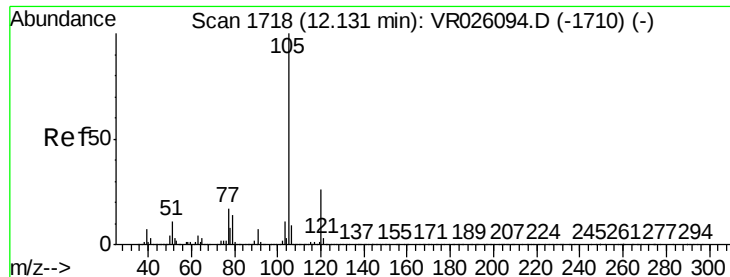
Tgt Ion:106 Resp: 402520
Ion Ratio Lower Upper
106 100
91 223.2 155.8 289.3



#55
Styrene
Concen: 4.886 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR026111.D
Acq: 17 Oct 2018 11:59

Tgt Ion:104 Resp: 622767
Ion Ratio Lower Upper
104 100
78 50.8 34.7 64.5





#56

Isopropylbenzene

Concen: 5.022 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR026111.D

Acq: 17 Oct 2018 11:59

Instrument :

MSVOA_R

ClientSampled :

VSTD00592

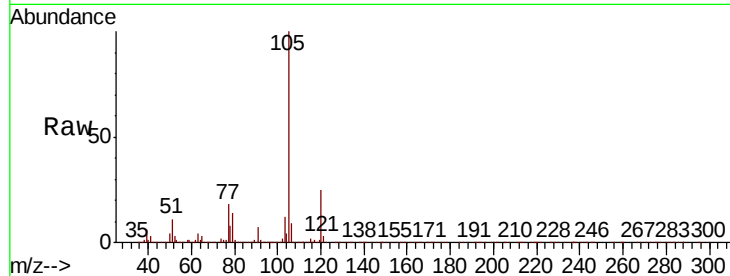
Tgt Ion:105 Resp: 1155168

Ion Ratio Lower Upper

105 100

120 25.7 21.0 31.4

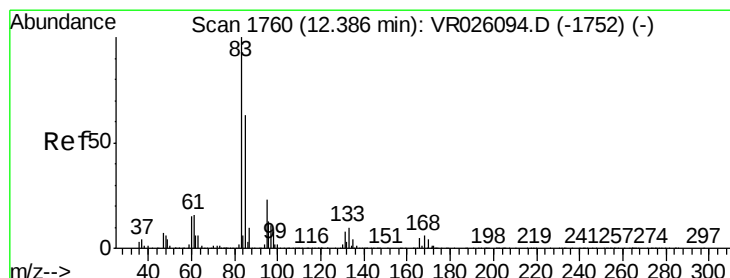
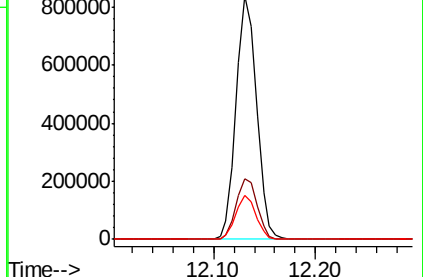
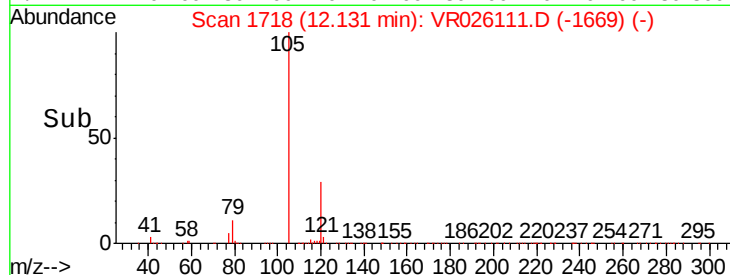
77 18.0 14.6 21.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VR0



#58

1,1,2,2-Tetrachloroethane

Concen: 4.565 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. -0.00 min

Lab File: VR026111.D

Acq: 17 Oct 2018 11:59

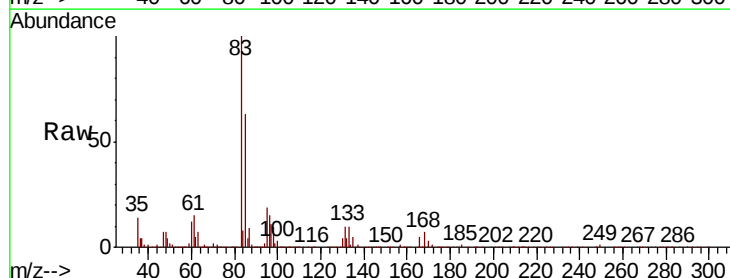
Tgt Ion: 83 Resp: 84356

Ion Ratio Lower Upper

83 100

85 63.3 44.0 81.8

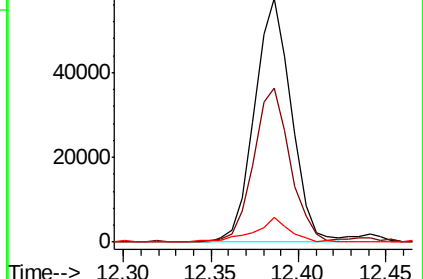
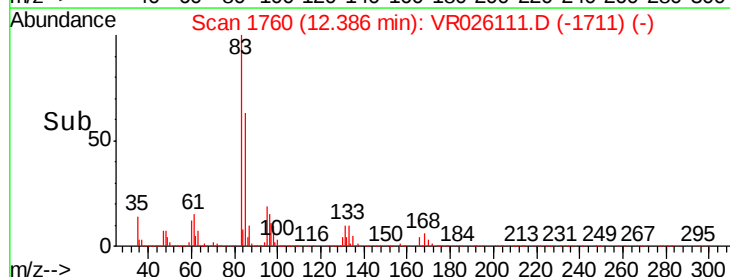
131 10.2 8.0 12.0

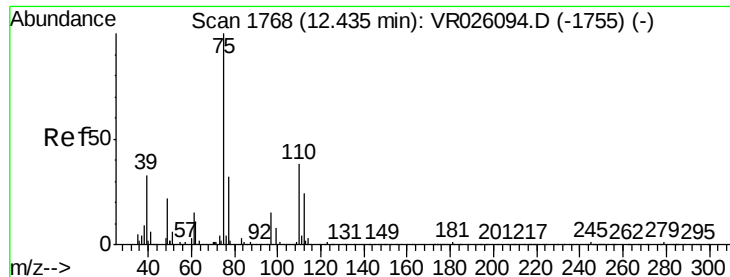


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.461 ug/L

RT: 12.44 min Scan# 1769

Delta R.T. 0.01 min

Lab File: VR026111.D

Acq: 17 Oct 2018 11:59

Instrument :

MSVOA_R

ClientSampleId :

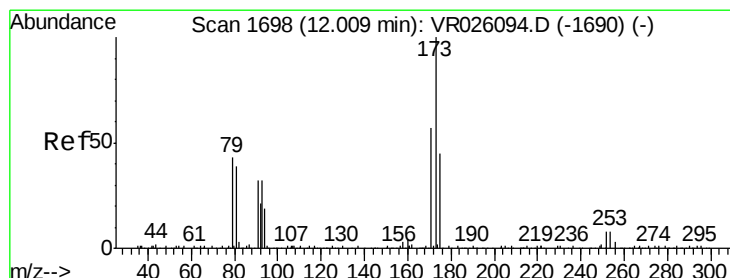
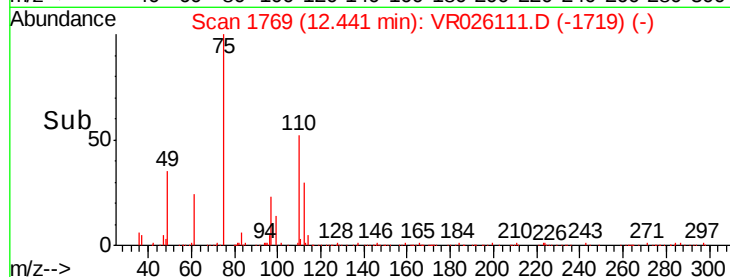
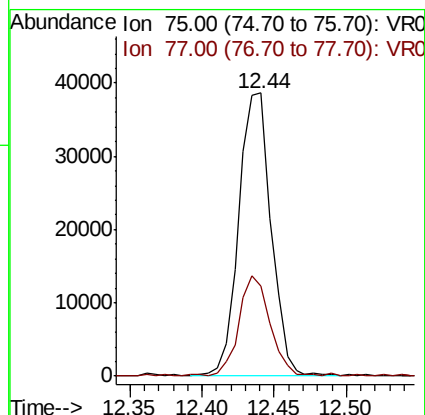
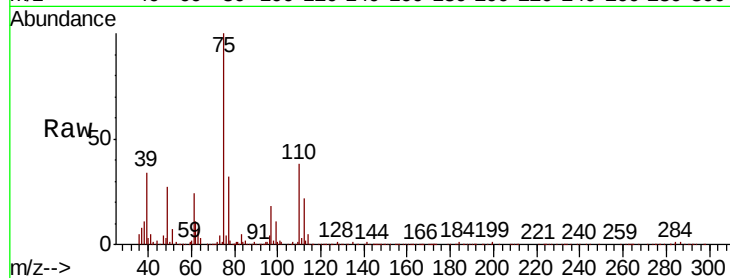
VSTD00592

Tgt Ion: 75 Resp: 60522

Ion Ratio Lower Upper

75 100

77 34.2 26.2 39.2



#61

Bromoform

Concen: 4.480 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR026111.D

Acq: 17 Oct 2018 11:59

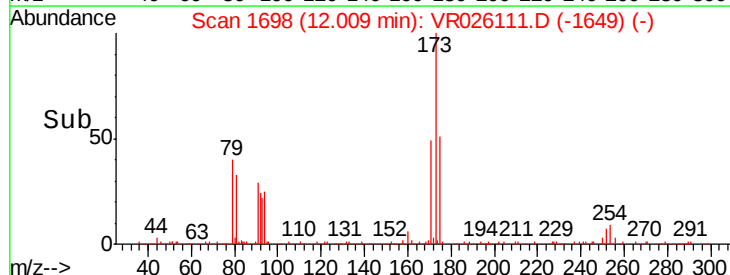
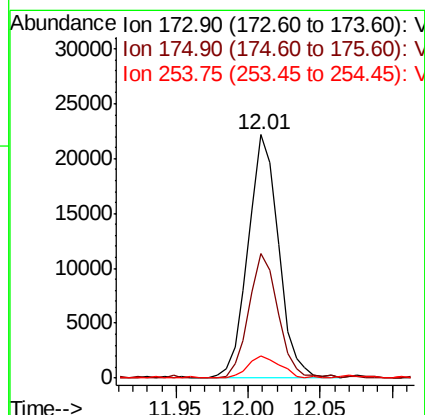
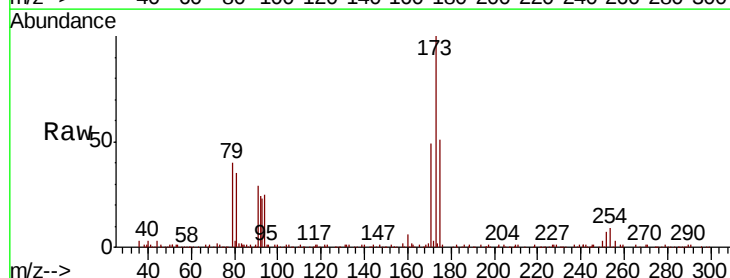
Tgt Ion: 173 Resp: 32449

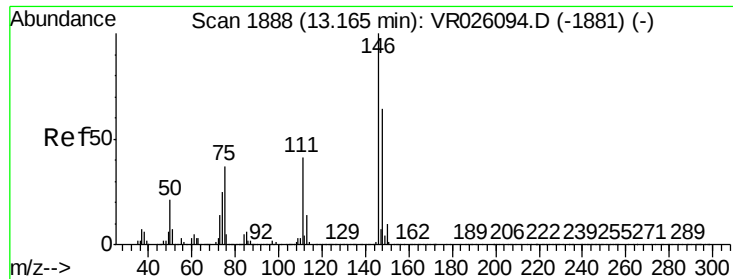
Ion Ratio Lower Upper

173 100

175 50.1 39.0 58.4

254 9.8 8.1 12.1

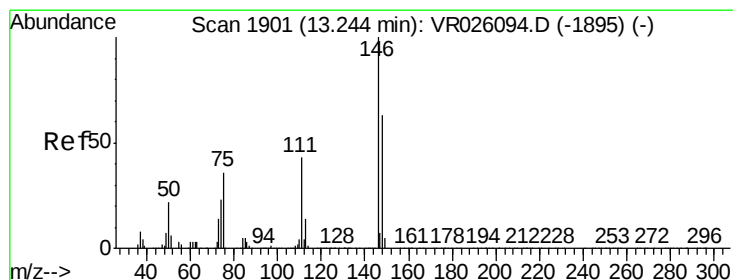
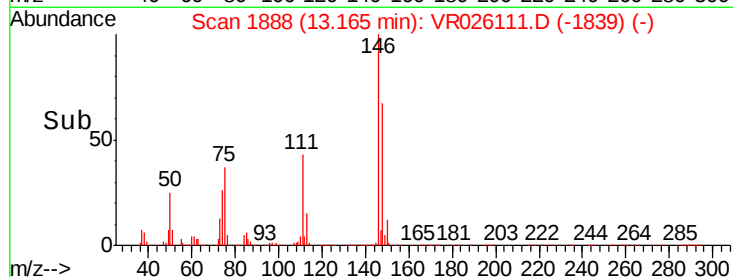
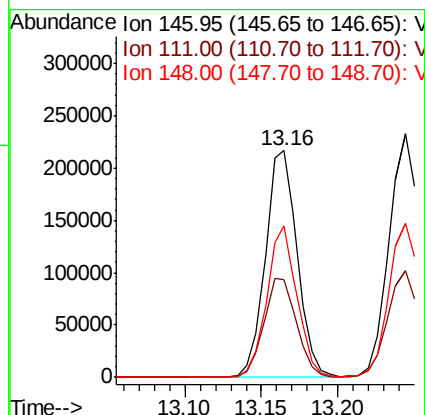
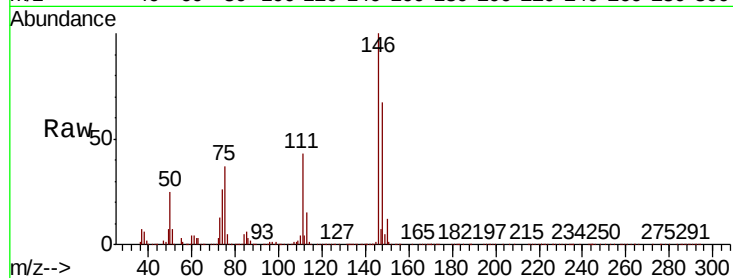




#62
 1,3-Dichlorobenzene
 Concen: 4.537 ug/L
 RT: 13.16 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VR026111.D
 Acq: 17 Oct 2018 11:59

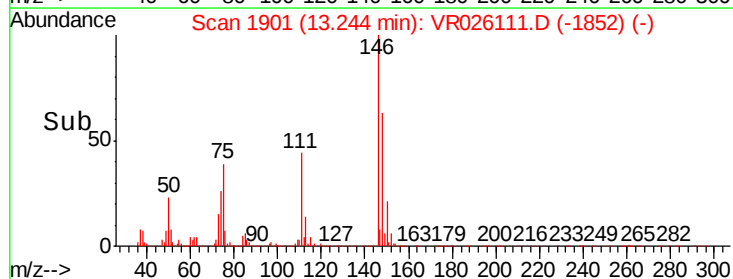
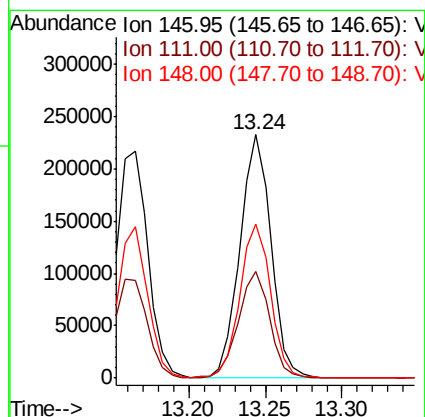
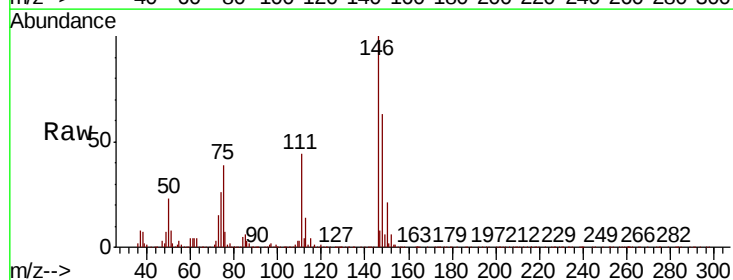
Instrument :
 MSVOA_R
 ClientSampleID :
 VSTD00592

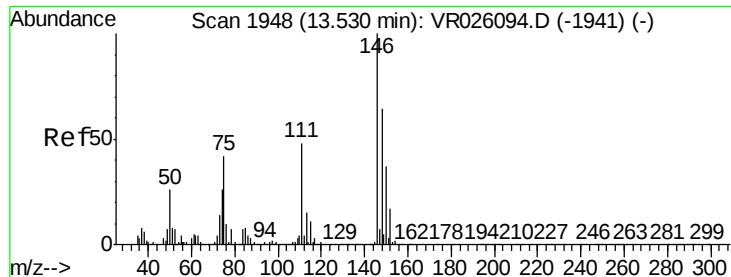
Tgt Ion:146 Resp: 314083
 Ion Ratio Lower Upper
 146 100
 111 42.9 32.1 59.7
 148 66.9 43.8 81.3



#63
 1,4-Dichlorobenzene
 Concen: 4.554 ug/L
 RT: 13.24 min Scan# 1901
 Delta R.T. -0.00 min
 Lab File: VR026111.D
 Acq: 17 Oct 2018 11:59

Tgt Ion:146 Resp: 326495
 Ion Ratio Lower Upper
 146 100
 111 43.9 32.6 60.6
 148 63.2 46.7 86.7

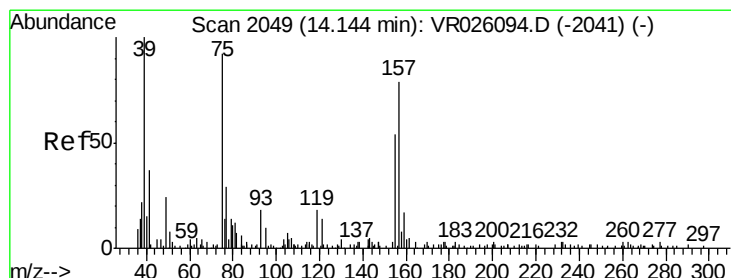
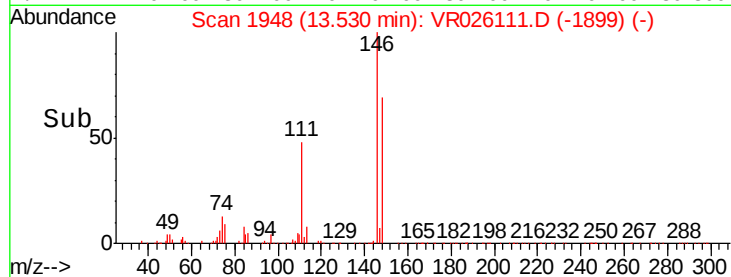
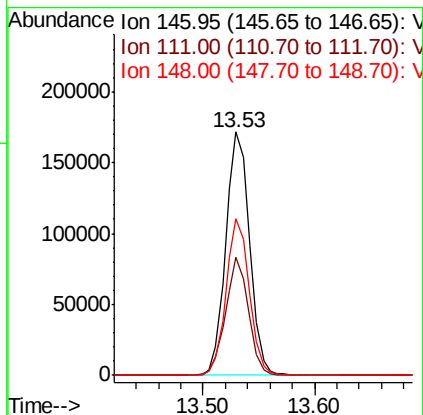
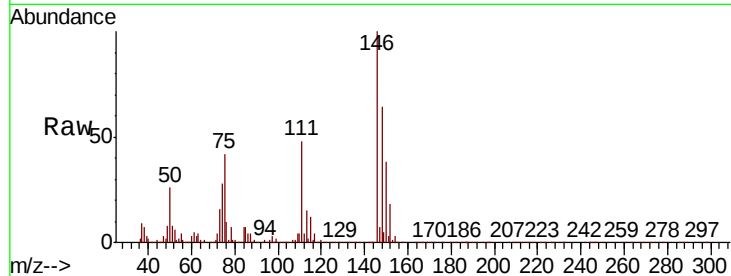




#65
 1,2-Dichlorobenzene
 Concen: 4.546 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. -0.00 min
 Lab File: VR026111.D
 Acq: 17 Oct 2018 11:59

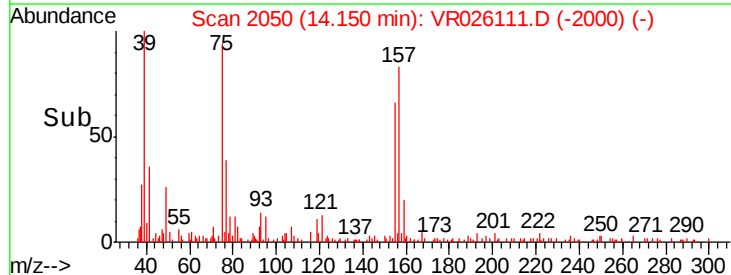
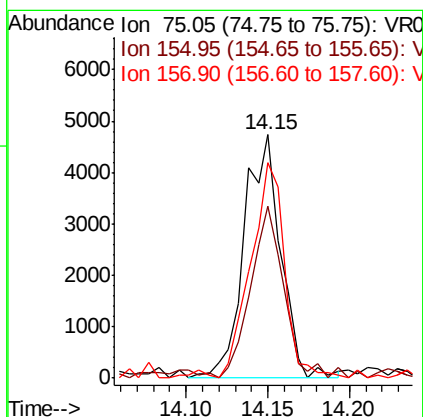
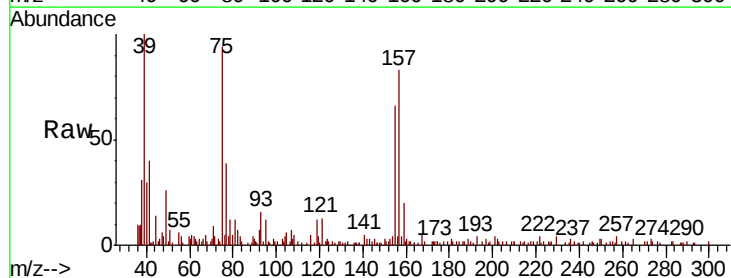
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00592

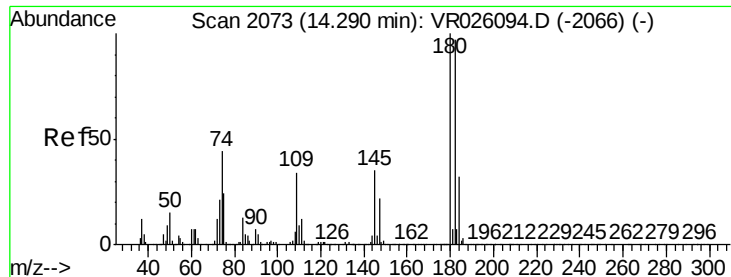
Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.5	35.2	52.8
148	64.5	51.2	76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.265 ug/L
 RT: 14.15 min Scan# 2050
 Delta R.T. 0.01 min
 Lab File: VR026111.D
 Acq: 17 Oct 2018 11:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.6	40.9	61.3
157	88.6	67.3	100.9

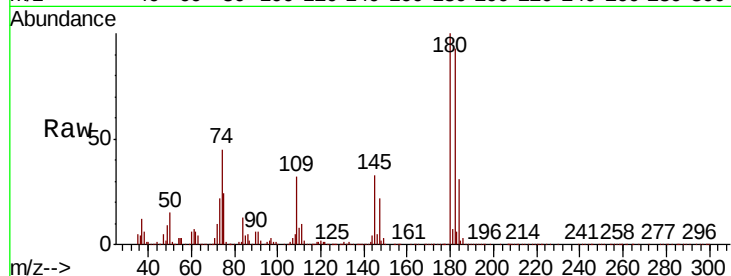




#67
 1,3,5-Trichlorobenzene
 Concen: 4.463 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR026111.D
 Acq: 17 Oct 2018 11:59

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00592

Tgt Ion:	180	Resp:	188283
Ion Ratio	Lower	Upper	
180	100		
182	94.3	77.5	116.3
184	30.5	25.0	37.4
145	32.7	27.6	41.4



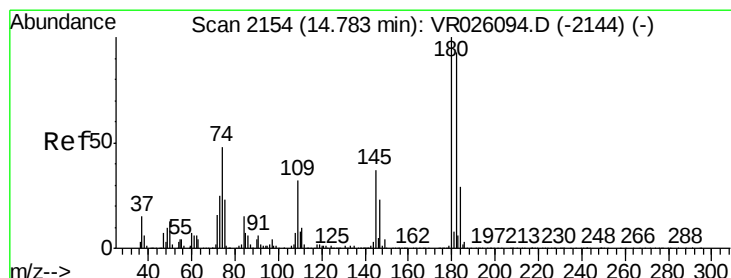
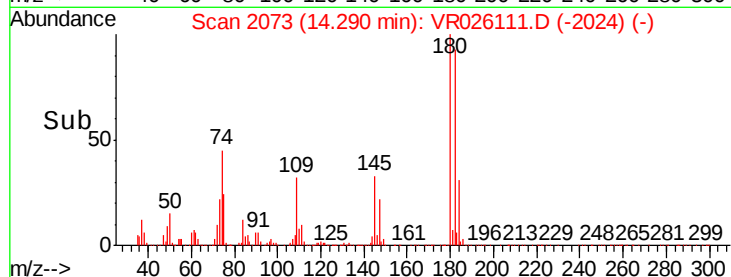
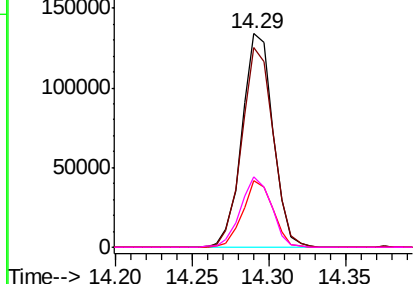
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

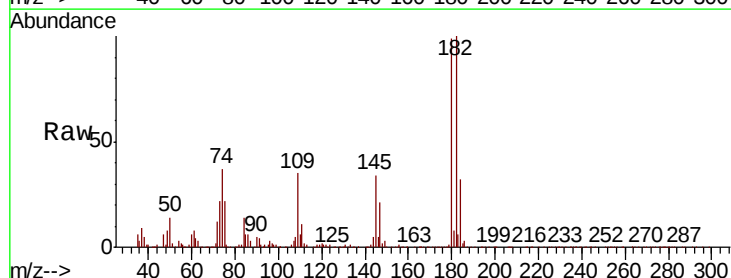
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.334 ug/L
 RT: 14.79 min Scan# 2155
 Delta R.T. 0.01 min
 Lab File: VR026111.D
 Acq: 17 Oct 2018 11:59

Tgt Ion:	180	Resp:	106703
Ion Ratio	Lower	Upper	
180	100		
182	97.2	76.1	114.1
145	35.1	28.2	42.4

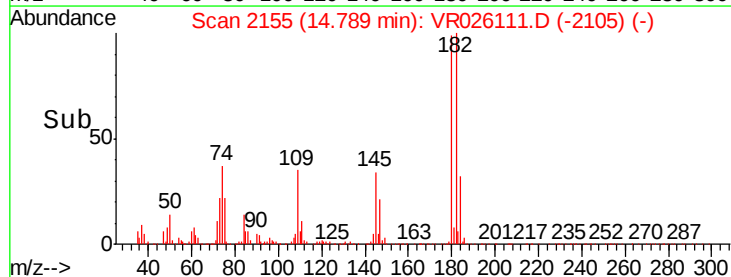
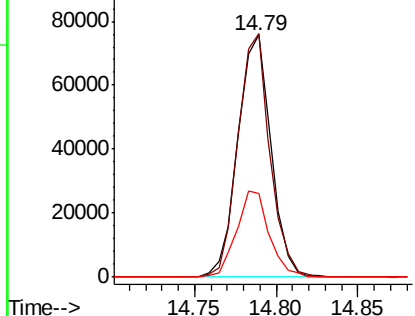


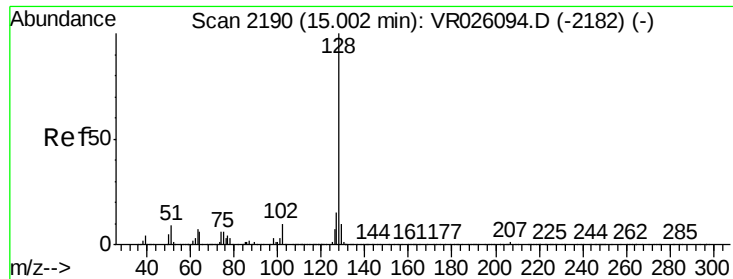
Abundance

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: 4.645 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR026111.D

Acq: 17 Oct 2018 11:59

Instrument :

MSVOA_R

ClientSampleId :

VSTD00592

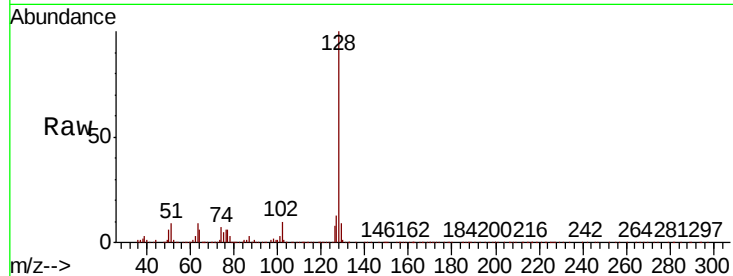
Tgt Ion:128 Resp: 111068

Ion Ratio Lower Upper

128 100

127 13.3 11.0 16.6

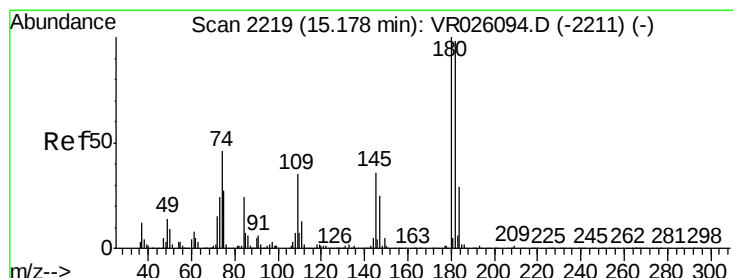
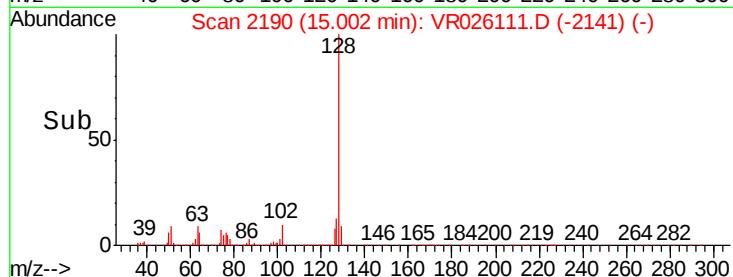
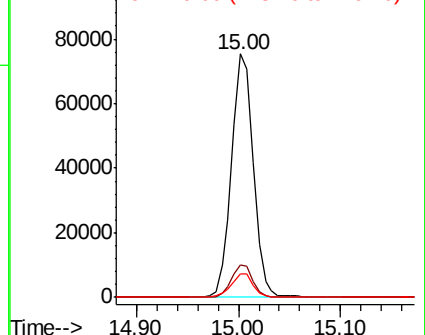
129 9.5 9.1 13.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.320 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VR026111.D

Acq: 17 Oct 2018 11:59

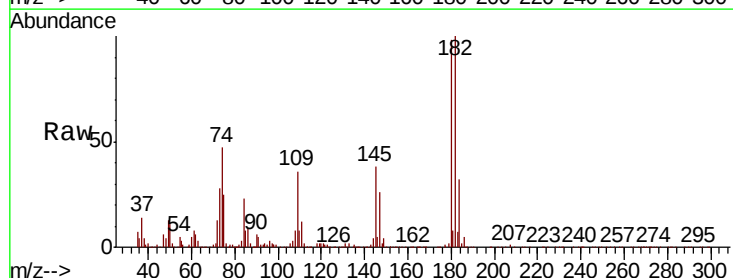
Tgt Ion:180 Resp: 73868

Ion Ratio Lower Upper

180 100

182 96.3 75.7 113.5

145 38.7 28.8 43.2



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

