

Data File : VR026184.D
Acq On : 5 Nov 2018 17:26
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00584

Quant Time: Nov 06 03:23:34 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 06 03:06:52 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	596513	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	525668	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	200384	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	219101	4.20	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.00%
7) Chloroethane-d5	2.62	69	212278	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.60%
11) 1,1-Dichloroethene-d2	3.61	63	610870	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.20%
20) 2-Butanone-d5	6.59	46	200630	46.81	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.62%
24) Chloroform-d	7.20	84	407457	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	7.90	65	167199	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
32) Benzene-d6	7.85	84	811961	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
36) 1,2-Dichloropropane-d6	8.90	67	213133	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.80%
41) Toluene-d8	9.97	98	799774	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
43) trans-1,3-Dichloropropene-	10.24	79	53824	4.71	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.20%
46) 2-Hexanone-d5	10.59	63	174835	52.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.86%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	89920	5.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	156345	4.94	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	174663	4.359	ug/L 96
3) Chloromethane	2.02	50	288431	4.533	ug/L 93
5) Vinyl chloride	2.17	62	295169	4.657	ug/L 97
6) Bromomethane	2.53	94	203663	4.865	ug/L 100
8) Chloroethane	2.66	64	195106	4.967	ug/L 91
9) Trichlorofluoromethane	2.93	101	258510	2.825	ug/L # 62
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	266238	4.880	ug/L 99
12) 1,1-Dichloroethene	3.63	96	287073	4.949	ug/L 89
13) Acetone	3.70	43	208809	47.128	ug/L 98
14) Carbon disulfide	3.93	76	791588	5.220	ug/L 100
15) Methyl Acetate	4.19	43	53855	4.653	ug/L 100
16) Methylene chloride	4.40	84	242919	4.618	ug/L 95
17) Methyl tert-butyl Ether	4.90	73	239992	4.557	ug/L 97
18) trans-1,2-Dichloroethene	4.88	96	206837	4.715	ug/L 95
19) 1,1-Dichloroethane	5.70	63	404098	4.906	ug/L 98
21) 2-Butanone	6.69	43	240671	47.085	ug/L 100
22) cis-1,2-Dichloroethene	6.67	96	206406	4.974	ug/L # 96

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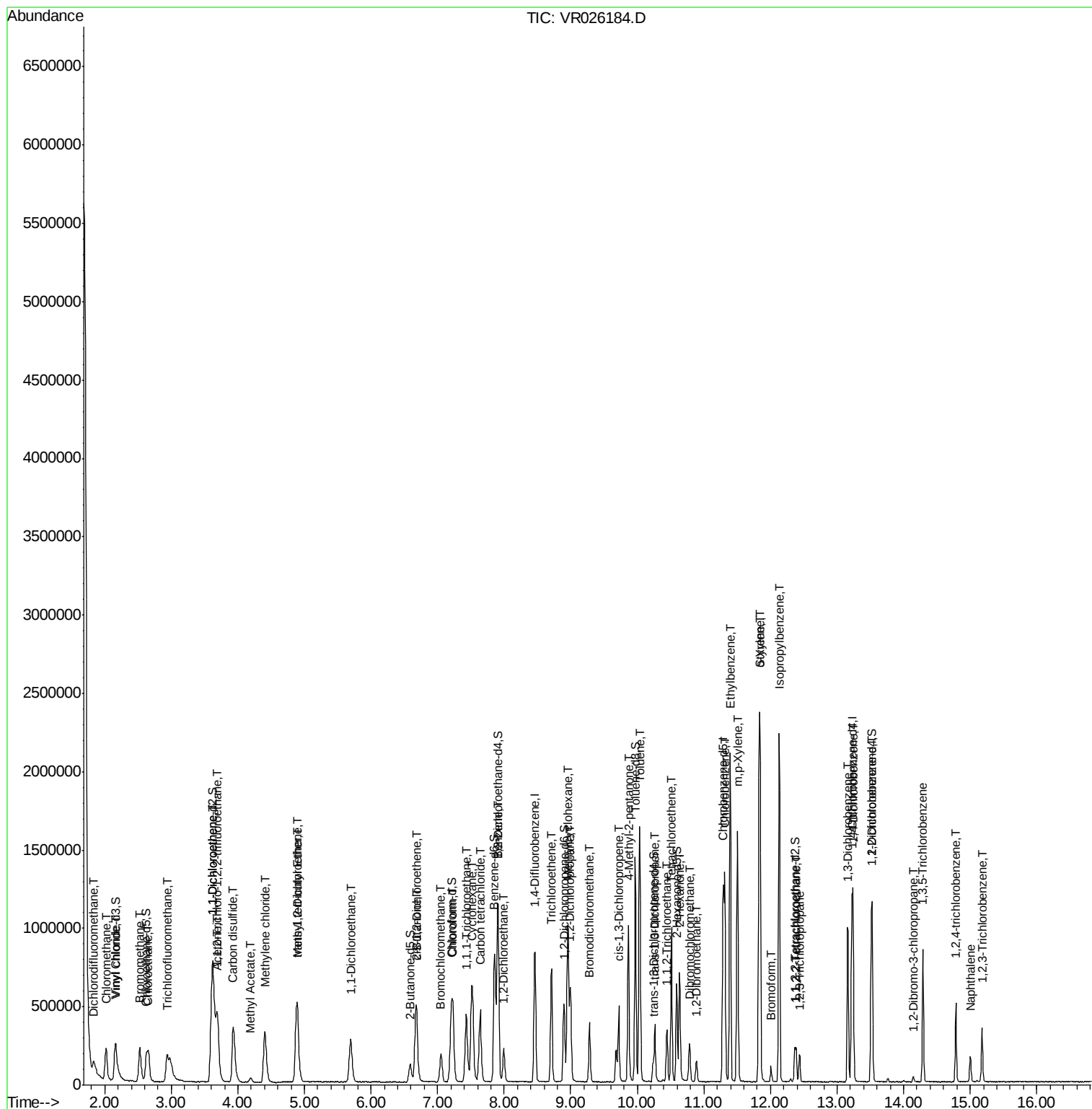
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.04	128	54206	4.657	ug/L	93
25) Chloroform	7.23	83	402183	5.004	ug/L	99
27) 1,2-Dichloroethane	7.99	62	188138	4.782	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	350590	4.881	ug/L	100
30) Cyclohexane	7.52	56	353703	4.906	ug/L	99
31) Carbon tetrachloride	7.64	117	323176	4.948	ug/L	99
33) Benzene	7.91	78	953139	4.832	ug/L	100
34) Trichloroethene	8.71	95	238378	4.722	ug/L	96
35) Methylcyclohexane	8.96	83	368342	4.901	ug/L	99
37) 1,2-Dichloropropane	9.00	63	205067	4.928	ug/L	99
38) Bromodichloromethane	9.28	83	222196	4.965	ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	238629	5.010	ug/L	99
40) 4-Methyl-2-pentanone	9.87	43	626360	49.285	ug/L	99
42) Toluene	10.04	91	1049872	5.043	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	166454	5.002	ug/L	96
45) 1,1,2-Trichloroethane	10.45	97	86733	4.941	ug/L	99
47) Tetrachloroethene	10.51	164	168457	4.673	ug/L	93
48) 2-Hexanone	10.63	43	416479	50.175	ug/L	100
49) Dibromochloromethane	10.79	129	102006	5.164	ug/L	97
50) 1,2-Dibromoethane	10.89	107	72039	4.750	ug/L	84
51) Chlorobenzene	11.32	112	552299	4.792	ug/L	99
52) Ethylbenzene	11.39	91	1233474	5.153	ug/L	100
53) m,p-Xylene	11.50	106	437976	5.021	ug/L	94
54) o-Xylene	11.83	106	404136	5.054	ug/L	96
55) Styrene	11.84	104	640699	5.206	ug/L	100
56) Isopropylbenzene	12.13	105	1172848	5.281	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	84611	4.743	ug/L	98
59) 1,2,3-Trichloropropane	12.43	75	63247	4.829	ug/L	100
61) Bromoform	12.01	173	35151	5.047	ug/L	98
62) 1,3-Dichlorobenzene	13.16	146	313830	4.714	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	339783	4.929	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	260751	4.880	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.15	75	9578	4.400	ug/L	95
67) 1,3,5-Trichlorobenzene	14.29	180	195866	4.829	ug/L	97
68) 1,2,4-trichlorobenzene	14.78	180	109853	4.640	ug/L	99
69) Naphthalene	15.00	128	107088	4.658	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	79973	4.864	ug/L	97

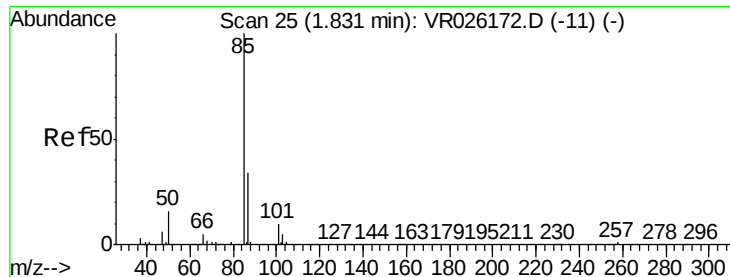
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.359 ug/L

RT: 1.83 min Scan# 25

Delta R.T. -0.00 min

Lab File: VR026184.D

Acq: 5 Nov 2018 17:26

Instrument :

MSVOA_R

ClientSampleId :

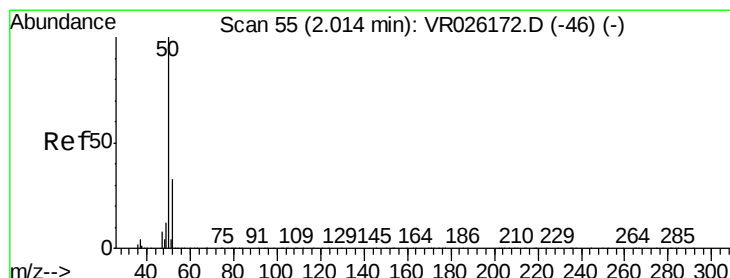
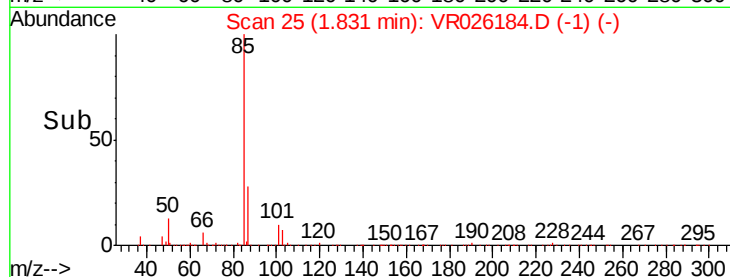
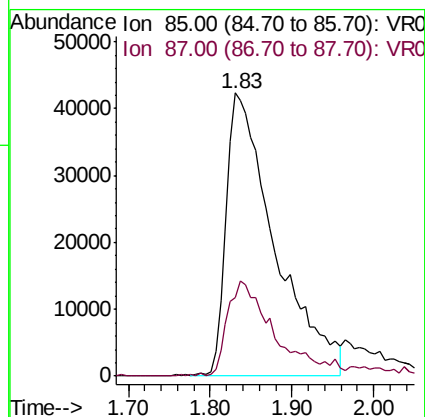
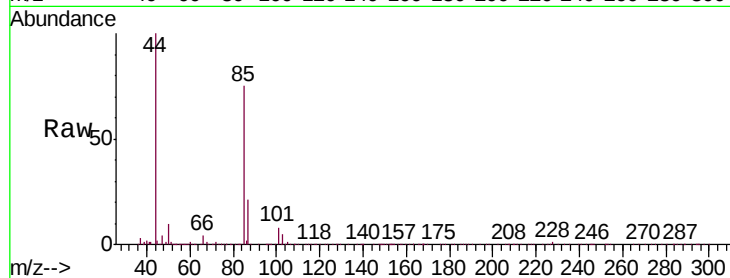
VSTD00584

Tgt Ion: 85 Resp: 174663

Ion Ratio Lower Upper

85 100

87 31.2 23.4 35.2



#3

Chloromethane

Concen: 4.533 ug/L

RT: 2.02 min Scan# 56

Delta R.T. 0.01 min

Lab File: VR026184.D

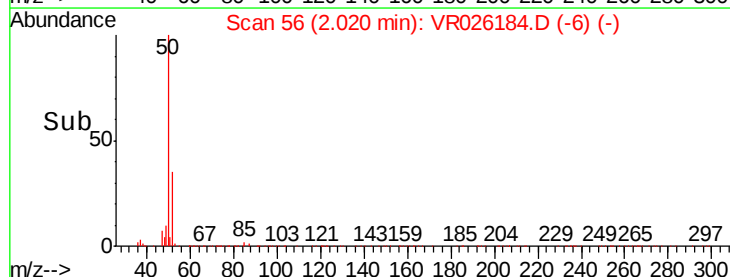
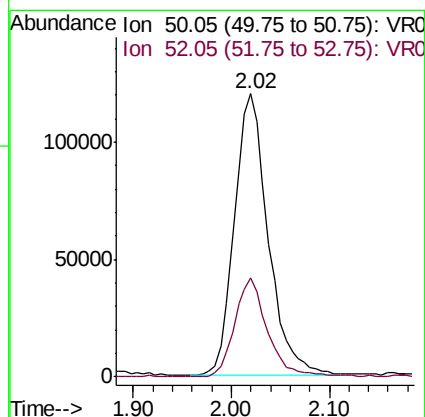
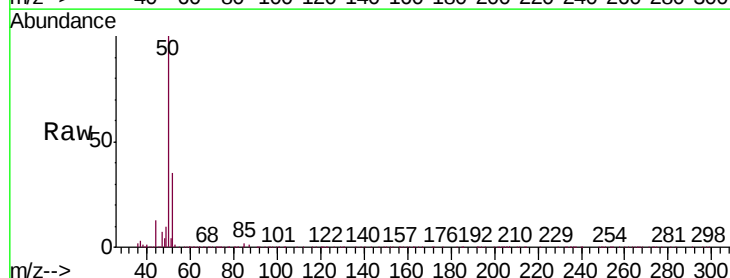
Acq: 5 Nov 2018 17:26

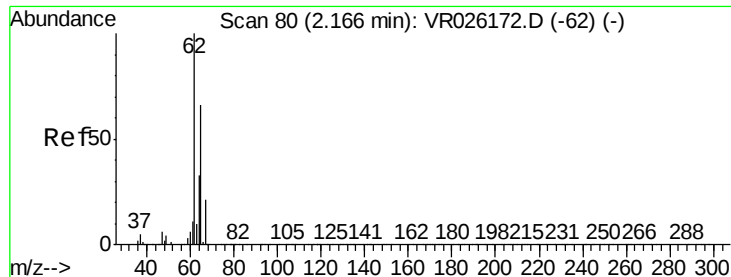
Tgt Ion: 50 Resp: 288431

Ion Ratio Lower Upper

50 100

52 35.2 22.0 40.8





#5

Vinyl chloride

Concen: 4.657 ug/L

RT: 2.17 min Scan# 80

Delta R.T. -0.00 min

Lab File: VR026184.D

Acq: 5 Nov 2018 17:26

Instrument :

MSVOA_R

ClientSampleId :

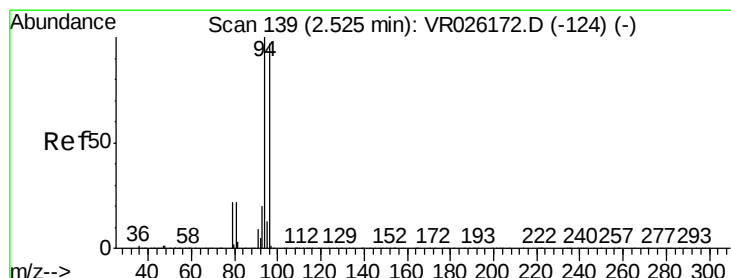
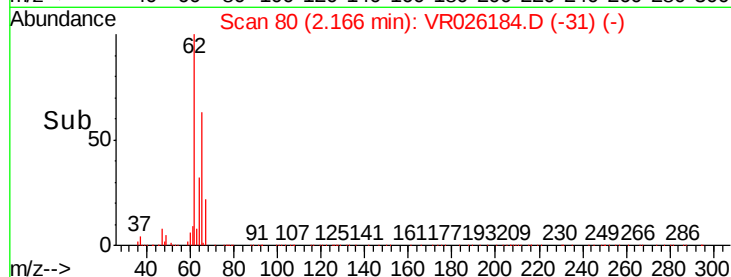
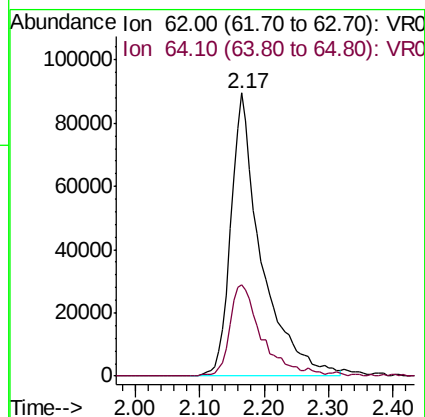
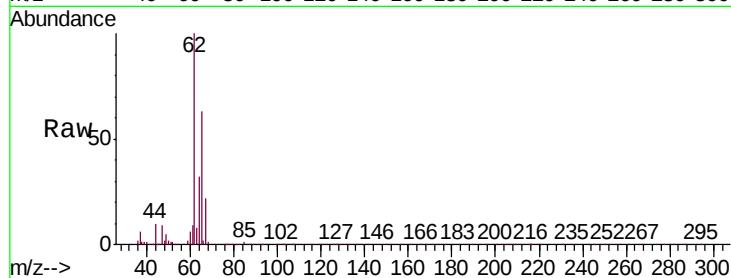
VSTD00584

Tgt Ion: 62 Resp: 295169

Ion Ratio Lower Upper

62 100

64 32.1 23.9 44.3



#6

Bromomethane

Concen: 4.865 ug/L

RT: 2.53 min Scan# 140

Delta R.T. 0.01 min

Lab File: VR026184.D

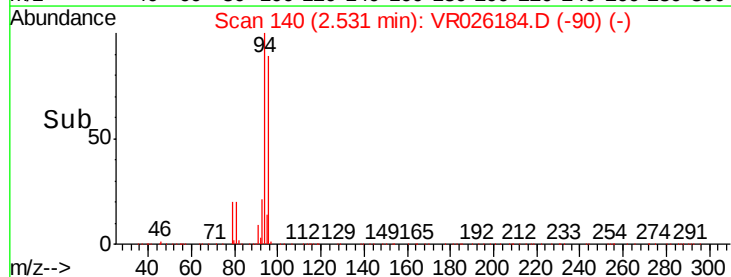
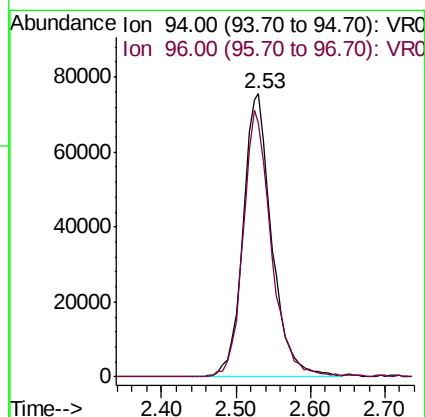
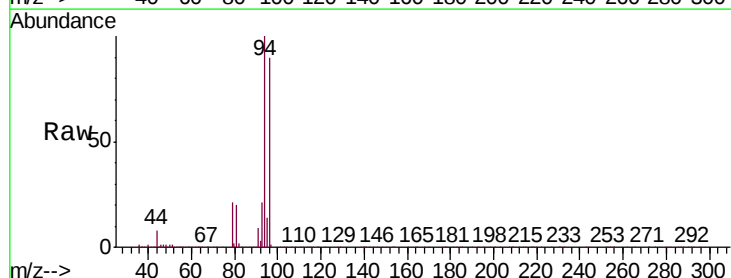
Acq: 5 Nov 2018 17:26

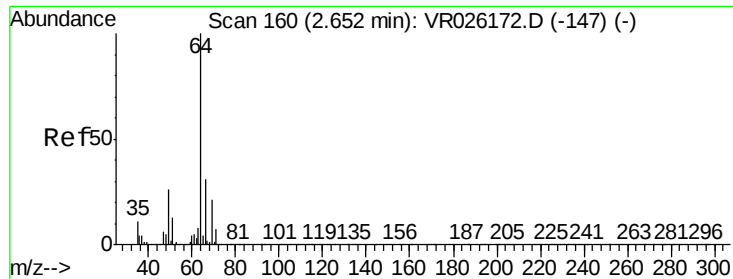
Tgt Ion: 94 Resp: 203663

Ion Ratio Lower Upper

94 100

96 89.5 62.5 116.1

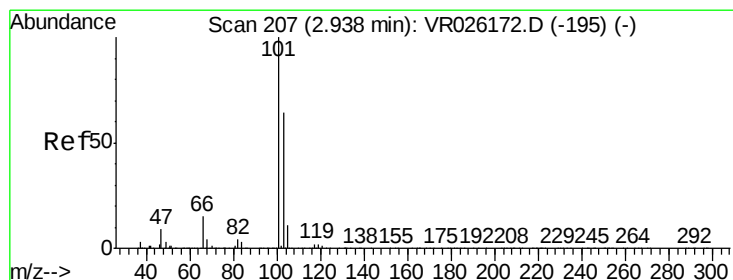
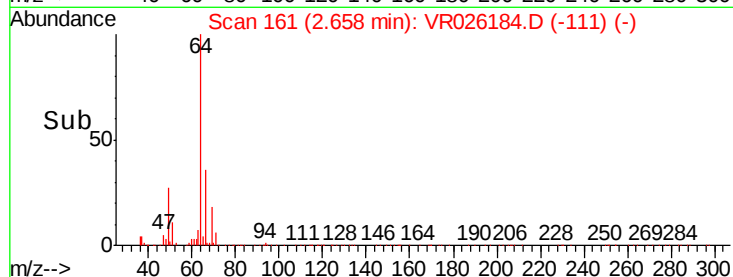
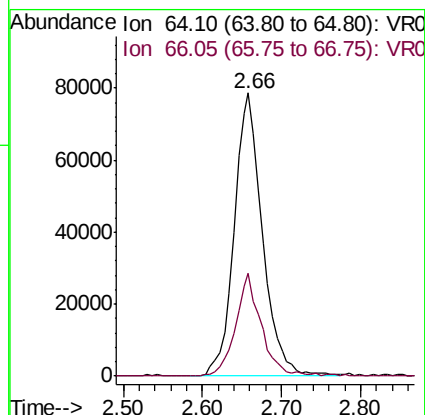
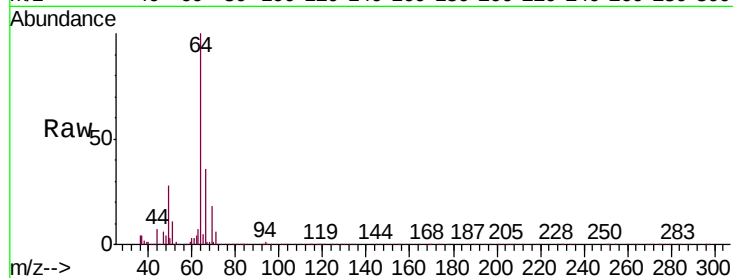




#8
Chloroethane
Concen: 4.967 ug/L
RT: 2.66 min Scan# 161
Delta R.T. 0.01 min
Lab File: VR026184.D
Acq: 5 Nov 2018 17:26

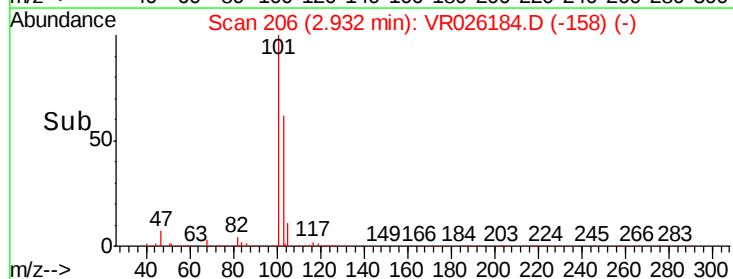
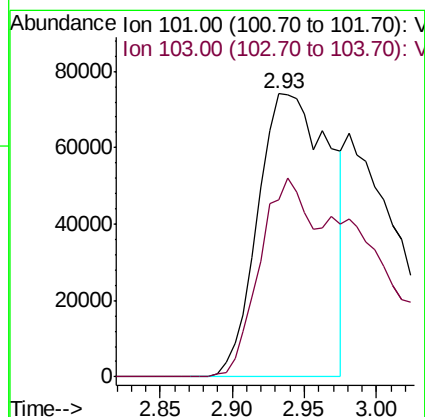
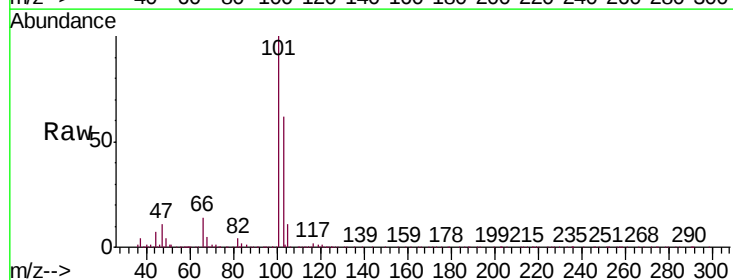
Instrument :
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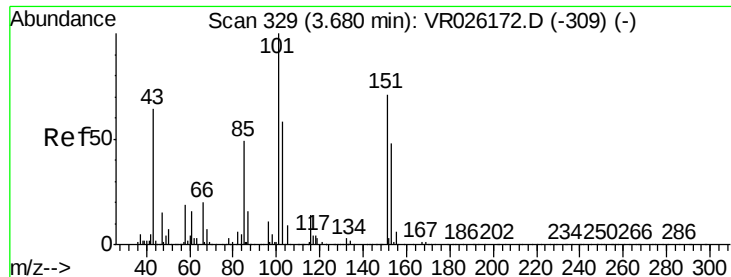
Tgt Ion: 64 Resp: 195106
Ion Ratio Lower Upper
64 100
66 36.2 22.0 40.8



#9
Trichlorofluoromethane
Concen: 2.825 ug/L
RT: 2.93 min Scan# 206
Delta R.T. -0.01 min
Lab File: VR026184.D
Acq: 5 Nov 2018 17:26

Tgt Ion: 101 Resp: 258510
Ion Ratio Lower Upper
101 100
103 54.0 26.0 39.0#





#10

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

Concen: 4.880 ug/L

RT: 3.68 min Scan# 329

Delta R.T. -0.00 min

Lab File: VR026184.D

Acq: 5 Nov 2018 17:26

Instrument :

MSVOA_R

ClientSampleId :

VSTD00584

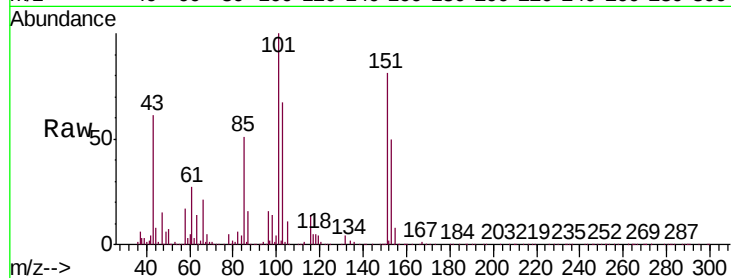
Tgt Ion: 101 Resp: 266238

Ion Ratio Lower Upper

101 100

85 47.5 37.8 56.8

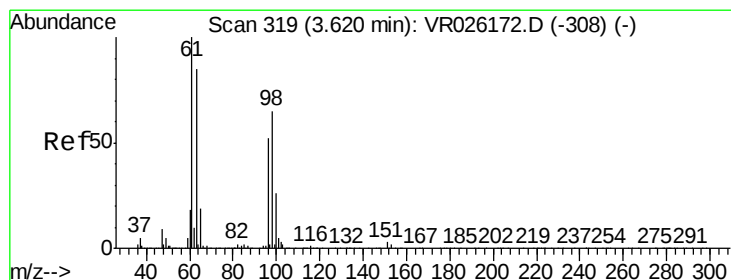
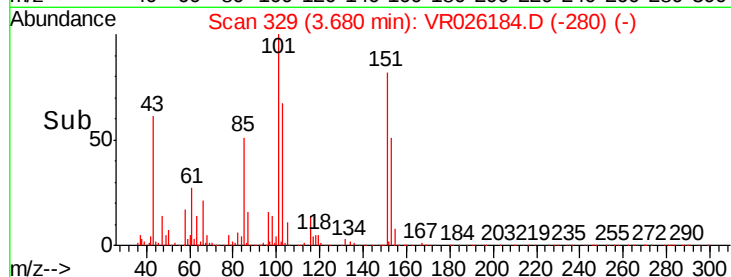
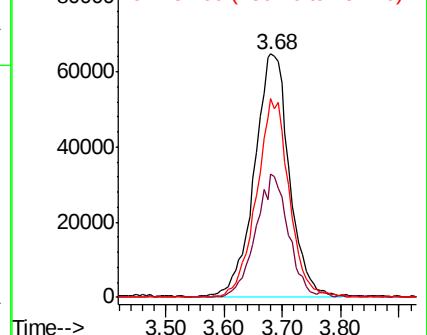
151 77.8 63.2 94.8



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: 4.949 ug/L

RT: 3.63 min Scan# 320

Delta R.T. 0.01 min

Lab File: VR026184.D

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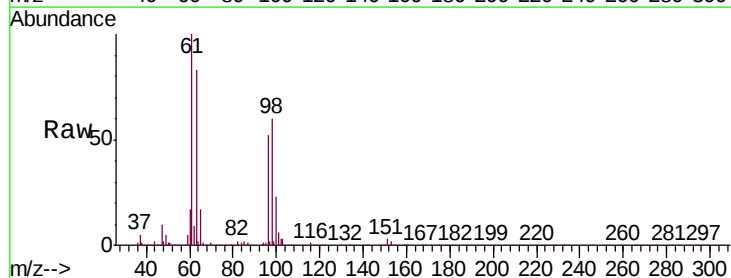
Tgt Ion: 96 Resp: 287073

Ion Ratio Lower Upper

96 100

61 191.2 126.7 235.3

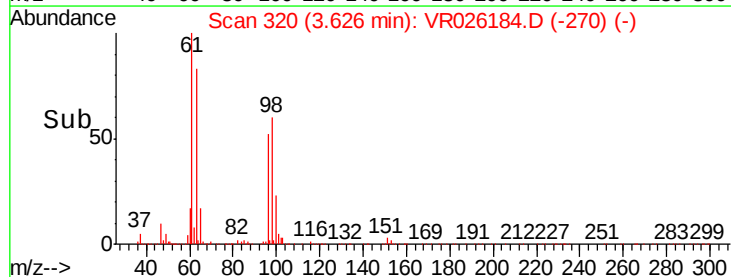
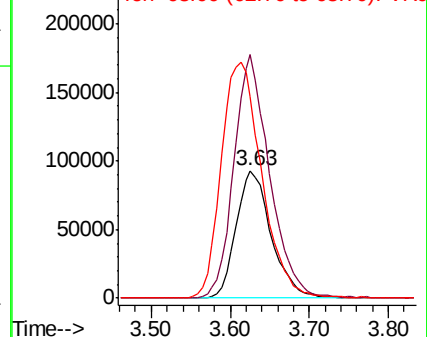
63 158.3 125.0 232.2

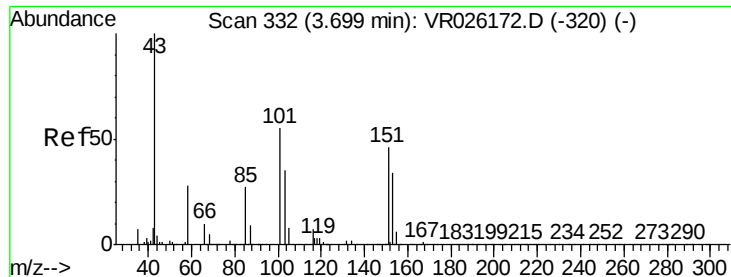


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 47.128 ug/L

RT: 3.70 min Scan# 332

Delta R.T. -0.00 min

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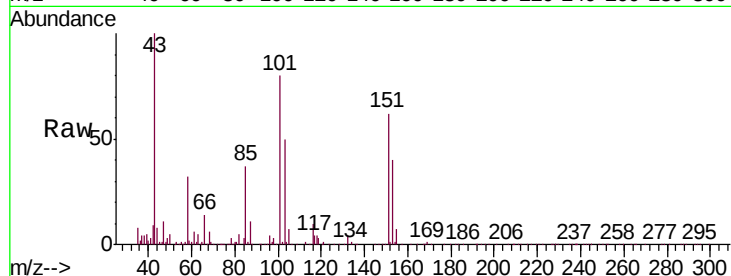
VSTD00584

Tgt Ion: 43 Resp: 208809

Ion Ratio Lower Upper

43 100

58 28.7 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

3.70

80000

60000

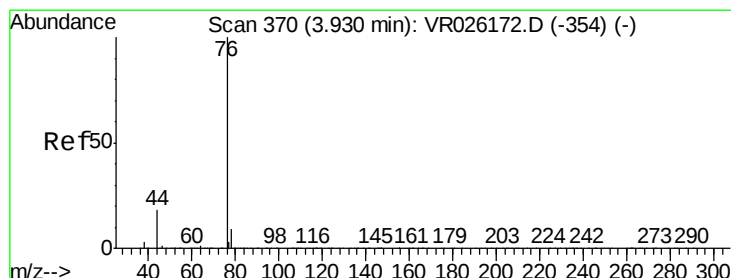
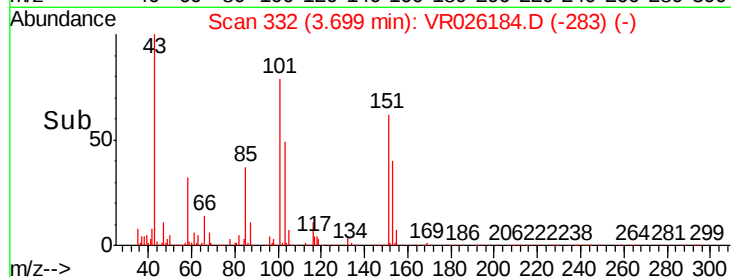
40000

20000

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Time-->

3.60 3.70 3.80 3.90



#14

Carbon disulfide

Concen: 5.220 ug/L

RT: 3.93 min Scan# 370

Delta R.T. -0.00 min

Lab File: VR026184.D

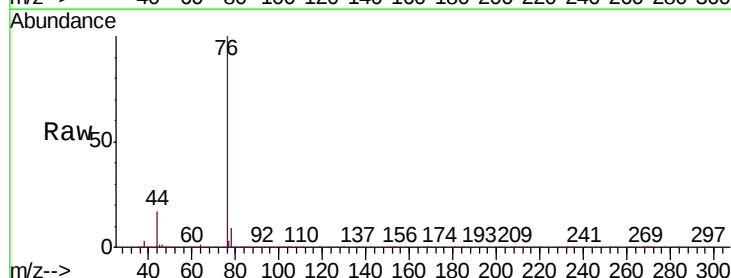
Acq: 5 Nov 2018 17:26

Tgt Ion: 76 Resp: 791588

Ion Ratio Lower Upper

76 100

78 9.4 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

3.93

300000

250000

200000

150000

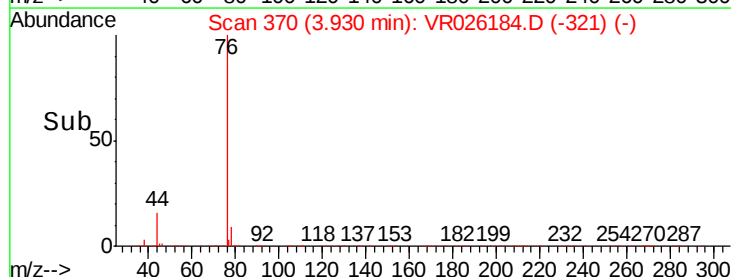
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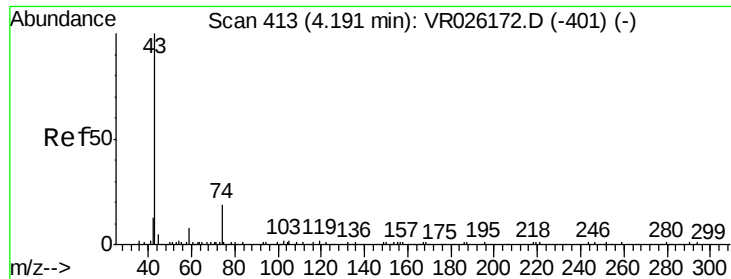
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Time-->

3.80 3.90 4.00 4.10

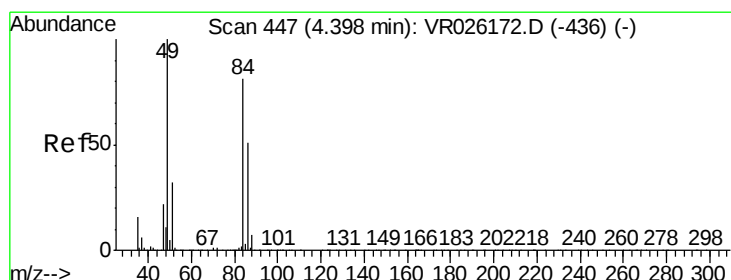
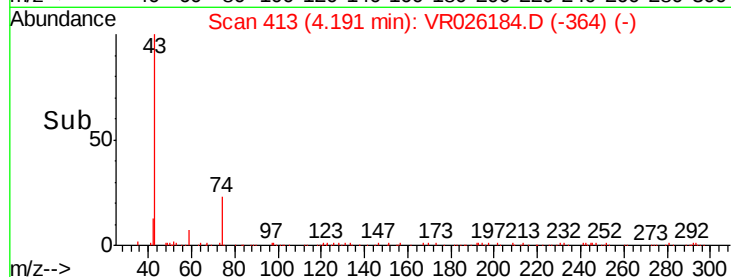
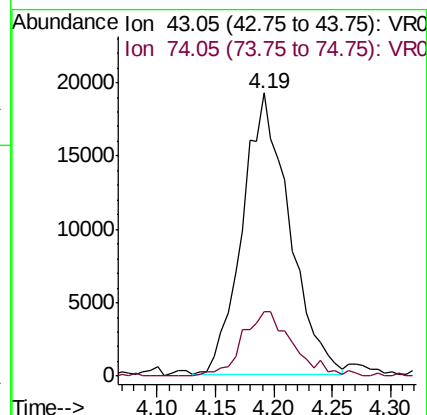
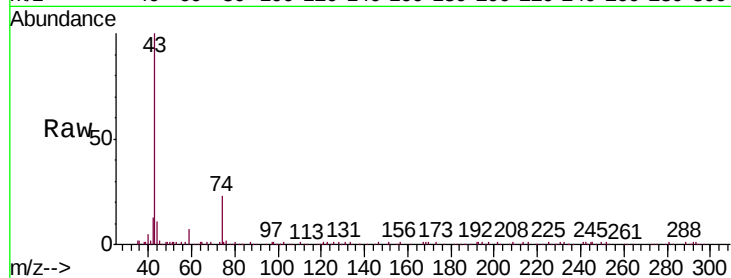




#15
Methyl Acetate
Concen: 4.653 ug/L
RT: 4.19 min Scan# 413
Delta R.T. -0.00 min
Lab File: VR026184.D
Acq: 5 Nov 2018 17:26

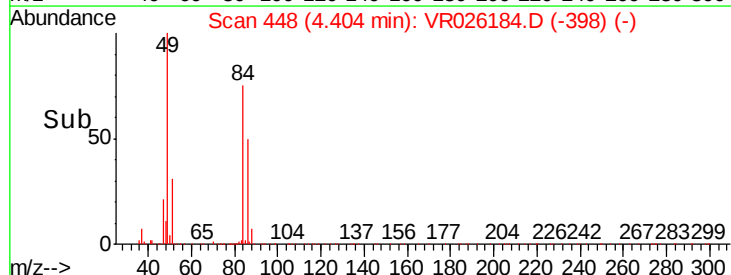
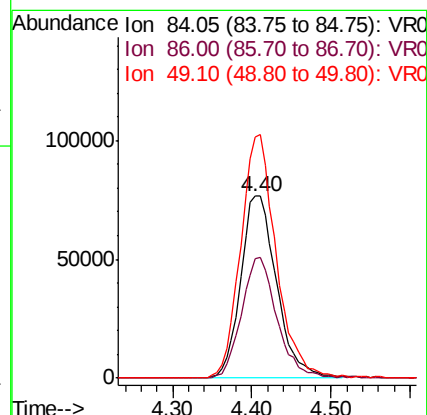
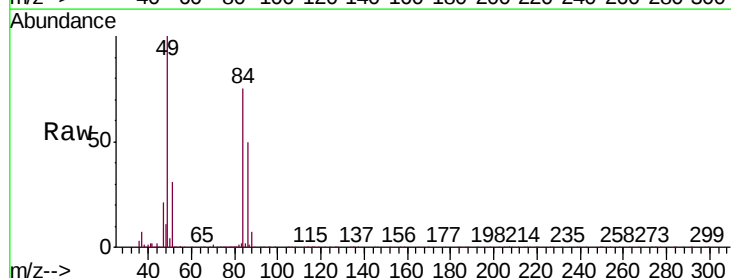
Instrument :
MSVOA_R
ClientSampleId :
VSTD00584

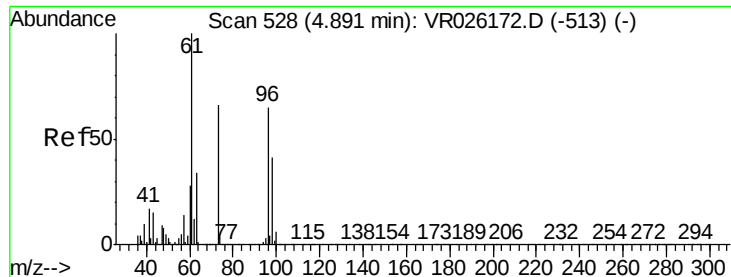
Tgt Ion: 43 Resp: 53855
Ion Ratio Lower Upper
43 100
74 24.6 19.8 29.8



#16
Methylene chloride
Concen: 4.618 ug/L
RT: 4.40 min Scan# 448
Delta R.T. 0.01 min
Lab File: VR026184.D
Acq: 5 Nov 2018 17:26

Tgt Ion: 84 Resp: 242919
Ion Ratio Lower Upper
84 100
86 65.9 43.0 79.8
49 132.8 89.1 165.5

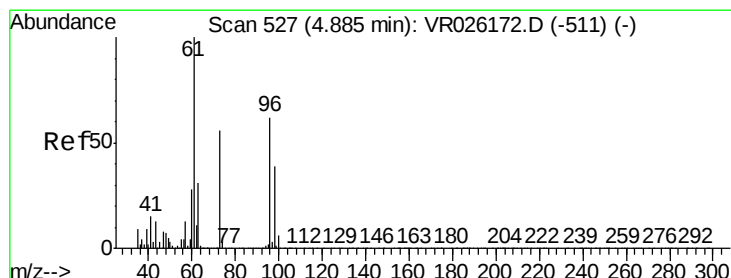
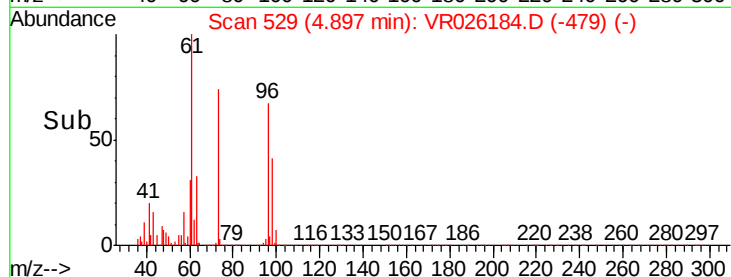
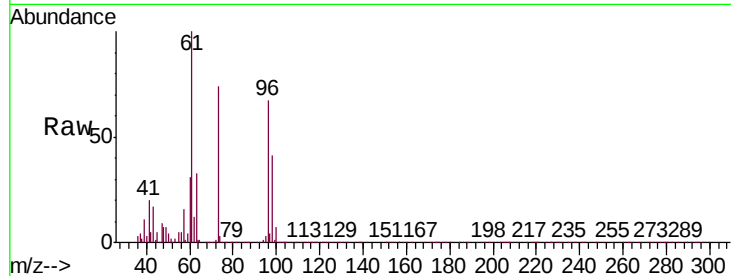
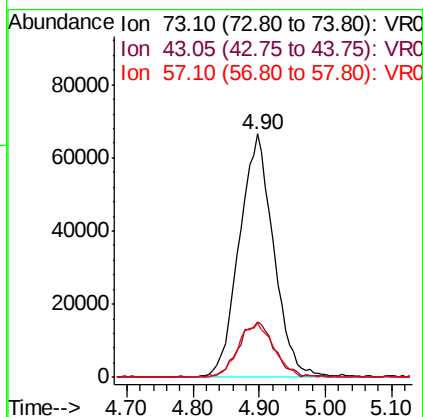




#17
Methyl tert-butyl Ether
Concen: 4.557 ug/L
RT: 4.90 min Scan# 529
Delta R.T. 0.01 min
Lab File: VR026184.D
Acq: 5 Nov 2018 17:26

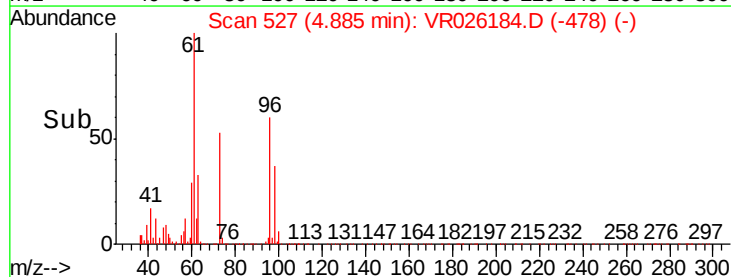
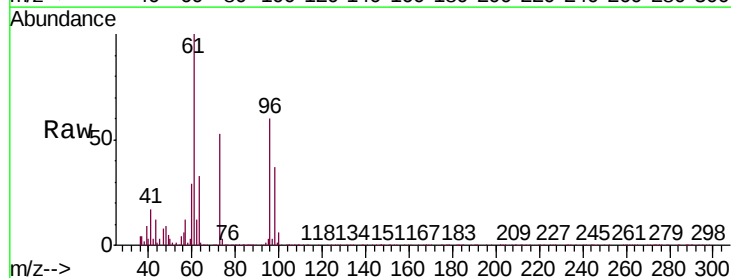
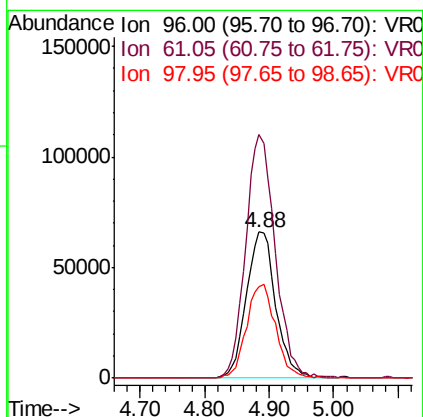
Instrument :
MSVOA_R
ClientSampleId :
VSTD00584

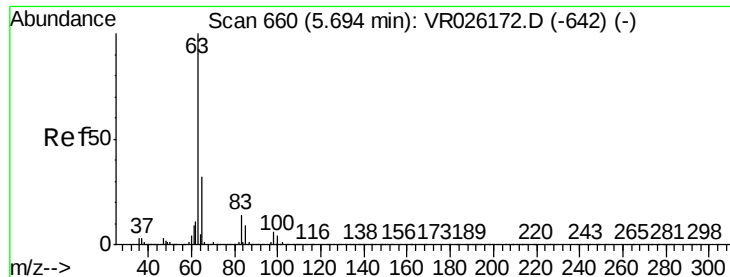
Tgt Ion	Ratio	Lower	Upper
73	100		
43	23.4	20.1	30.1
57	22.9	19.0	28.4



#18
trans-1,2-Dichloroethene
Concen: 4.715 ug/L
RT: 4.88 min Scan# 527
Delta R.T. -0.00 min
Lab File: VR026184.D
Acq: 5 Nov 2018 17:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.8	111.4	206.8
98	62.2	41.4	77.0

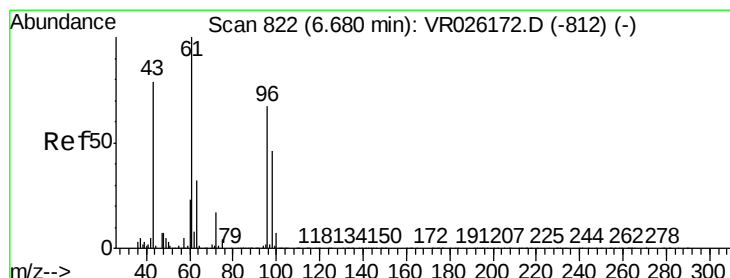
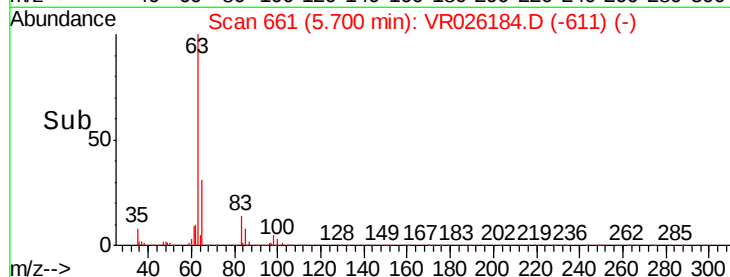
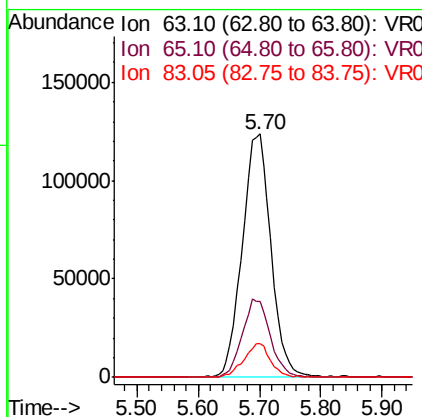




#19
 1,1-Dichloroethane
 Concen: 4.906 ug/L
 RT: 5.70 min Scan# 661
 Delta R.T. 0.01 min
 Lab File: VR026184.D
 Acq: 5 Nov 2018 17:26

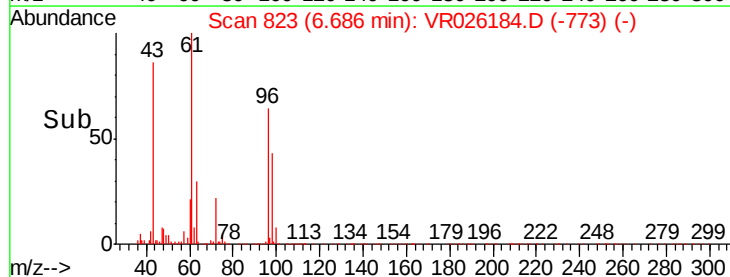
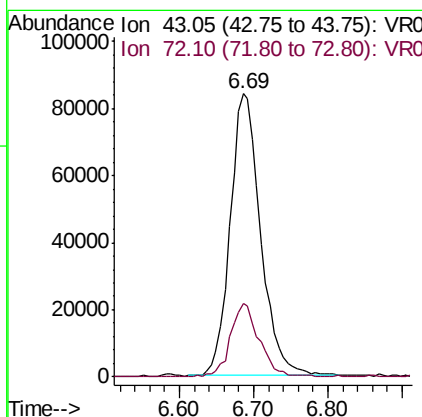
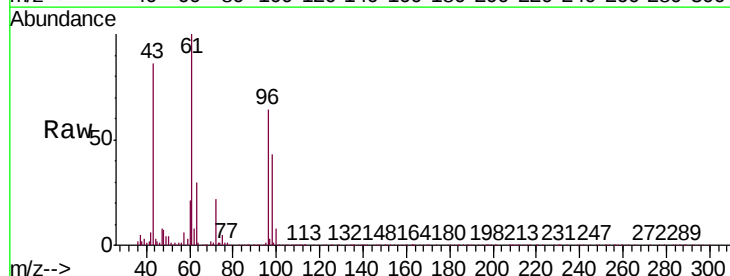
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00584

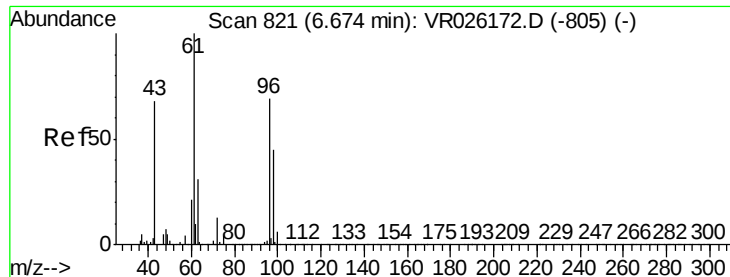
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.3	21.2	39.4
83	13.9	9.2	17.2



#21
 2-Butanone
 Concen: 47.085 ug/L
 RT: 6.69 min Scan# 823
 Delta R.T. 0.01 min
 Lab File: VR026184.D
 Acq: 5 Nov 2018 17:26

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.5	12.3	36.8



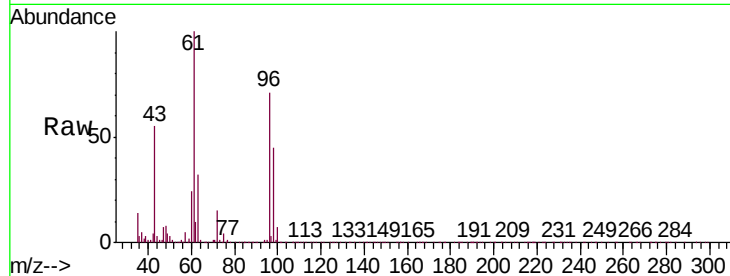


#22

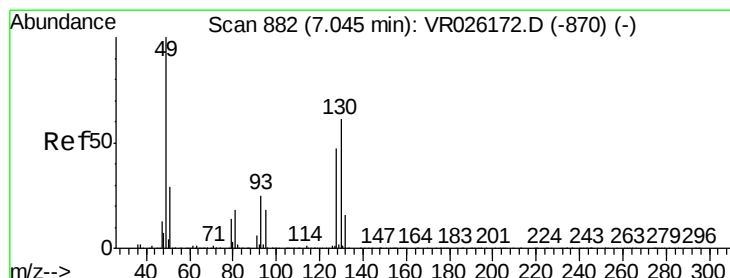
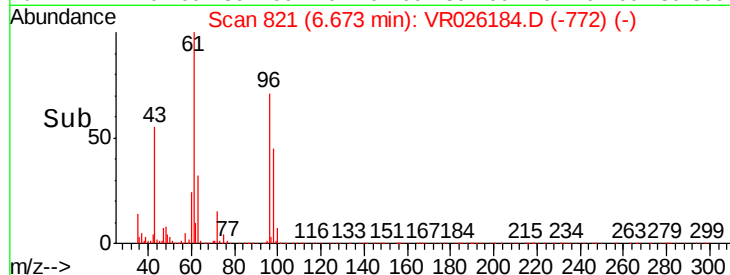
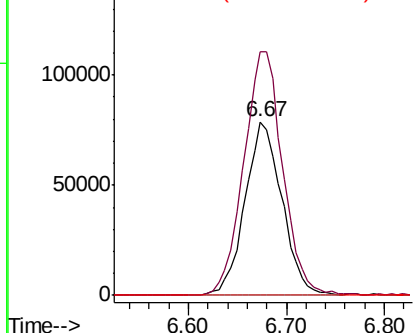
cis-1,2-Dichloroethene
Concen: 4.974 ug/L
RT: 6.67 min Scan# 821
Delta R.T. -0.00 min
Lab File: VR026184.D
Acq: 5 Nov 2018 17:26

Instrument :
MSVOA_R
ClientSampled :
VSTD00584

Tgt Ion: 96 Resp: 206406
Ion Ratio Lower Upper
96 100
61 140.2 101.8 189.0
68 0.1 0.1 0.3#



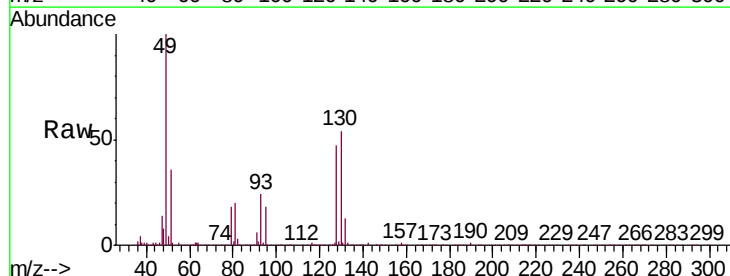
Abundance Ion 96.00 (95.70 to 96.70): VR0
Ion 61.05 (60.75 to 61.75): VR0
Ion 68.15 (67.85 to 68.85): VR0



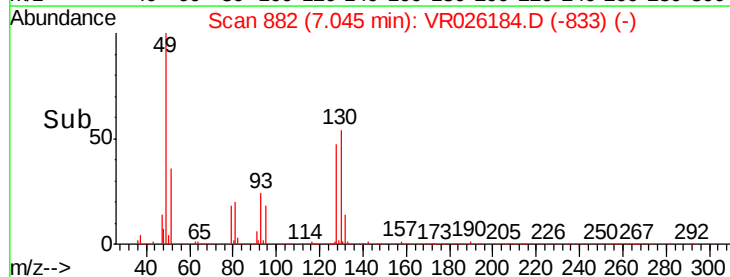
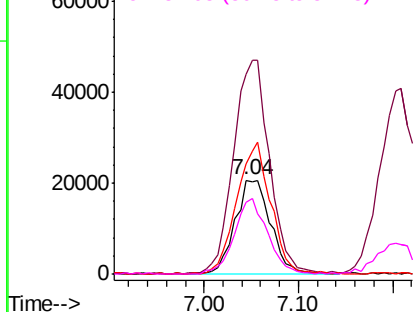
#23

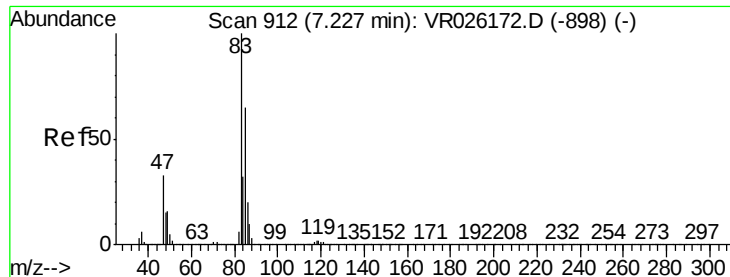
Bromochloromethane
Concen: 4.657 ug/L
RT: 7.04 min Scan# 882
Delta R.T. -0.00 min
Lab File: VR026184.D
Acq: 5 Nov 2018 17:26

Tgt Ion: 128 Resp: 54206
Ion Ratio Lower Upper
128 100
49 213.3 146.2 271.4
130 117.0 92.5 171.7
51 76.4 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

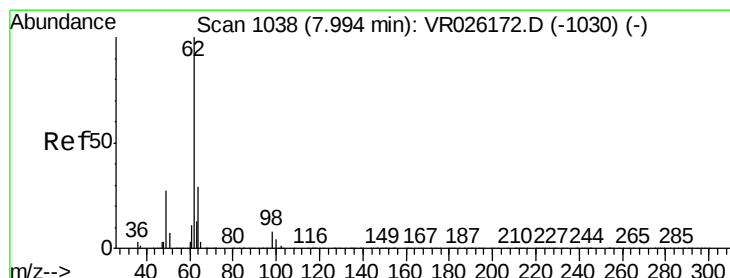
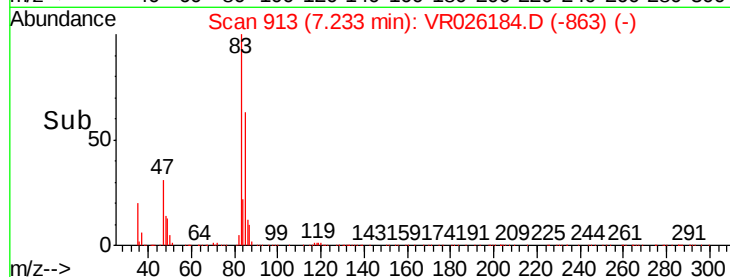
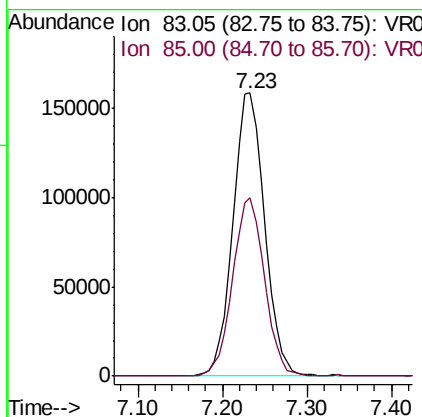
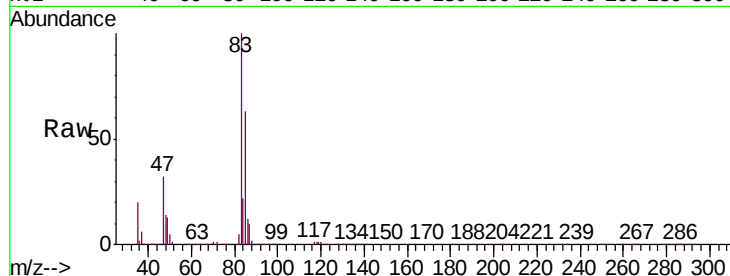




#25
Chloroform
Concen: 5.004 ug/L
RT: 7.23 min Scan# 913
Delta R.T. 0.01 min
Lab File: VR026184.D
Acq: 5 Nov 2018 17:26

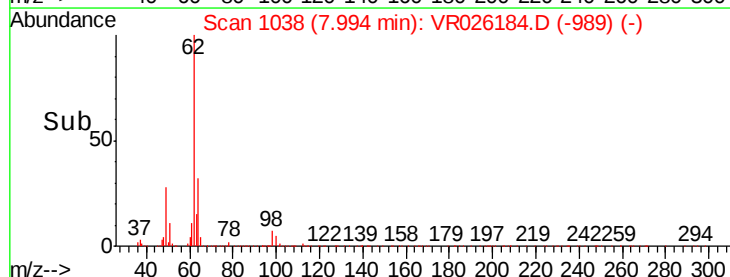
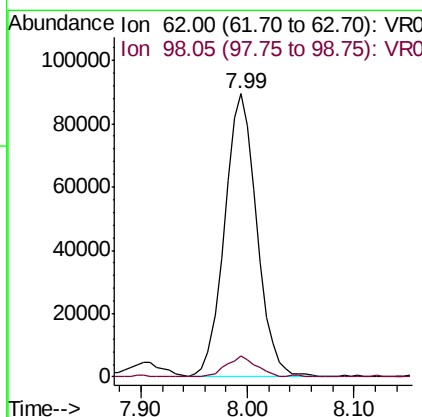
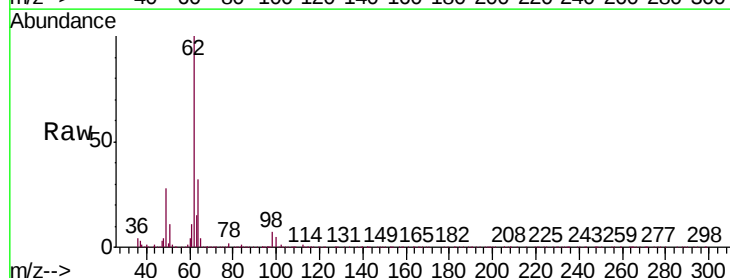
Instrument :
MSVOA_R
ClientSampleId :
VSTD00584

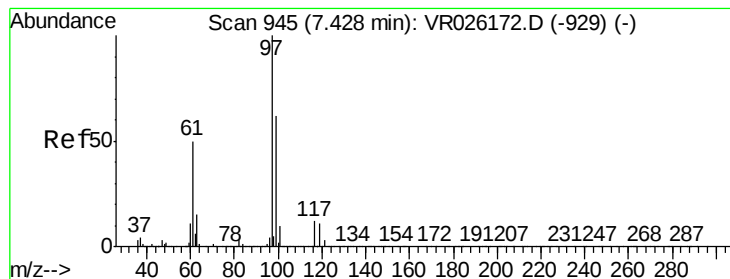
Tgt Ion: 83 Resp: 402183
Ion Ratio Lower Upper
83 100
85 62.9 43.5 80.7



#27
1,2-Dichloroethane
Concen: 4.782 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VR026184.D
Acq: 5 Nov 2018 17:26

Tgt Ion: 62 Resp: 188138
Ion Ratio Lower Upper
62 100
98 7.3 5.6 8.4





#29

1,1,1-Trichloroethane

Concen: 4.881 ug/L

RT: 7.43 min Scan# 946

Delta R.T. 0.01 min

Lab File: VR026184.D

Acq: 5 Nov 2018 17:26

Instrument :

MSVOA_R

ClientSampleId :

VSTD00584

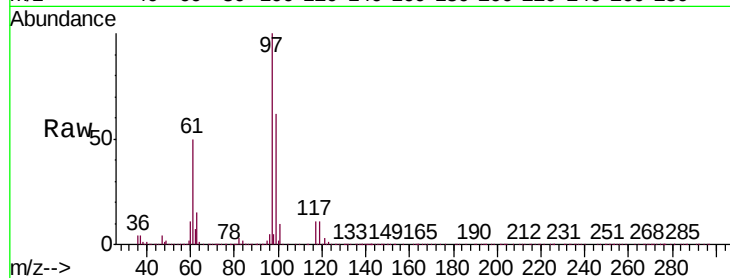
Tgt Ion: 97 Resp: 350590

Ion Ratio Lower Upper

97 100

99 64.1 51.1 76.7

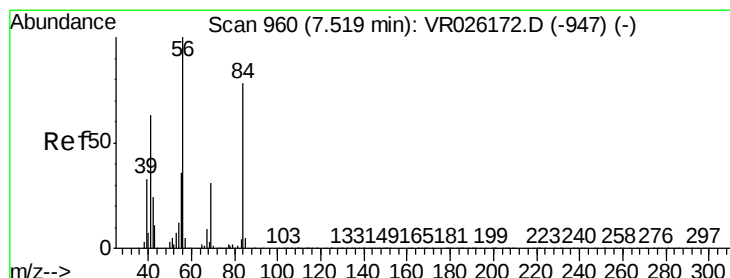
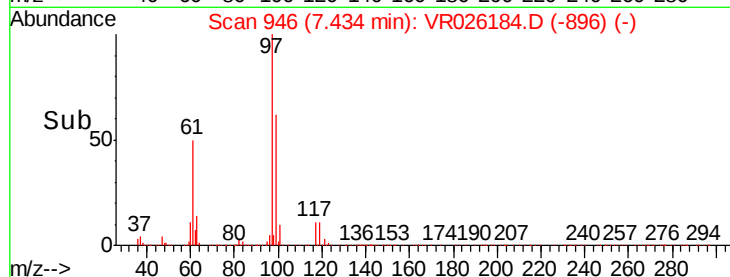
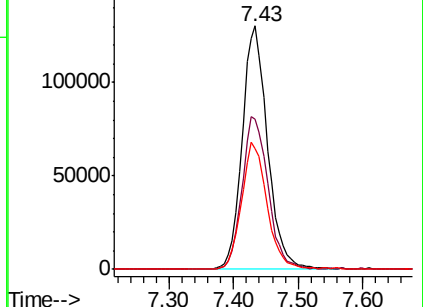
61 52.6 42.1 63.1



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: 4.906 ug/L

RT: 7.52 min Scan# 960

Delta R.T. -0.00 min

Lab File: VR026184.D

Acq: 5 Nov 2018 17:26

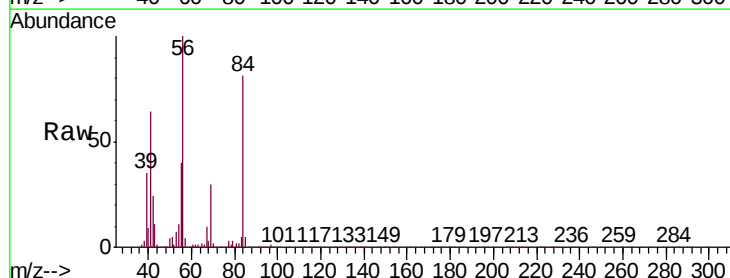
Tgt Ion: 56 Resp: 353703

Ion Ratio Lower Upper

56 100

69 29.7 23.8 35.8

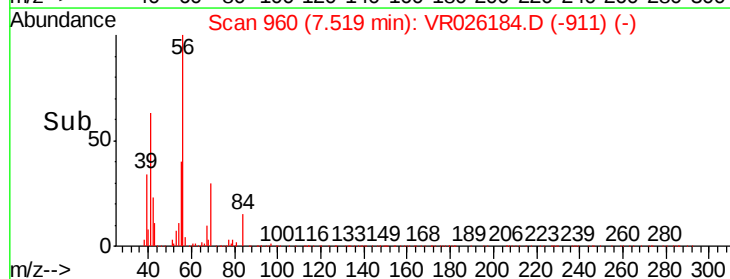
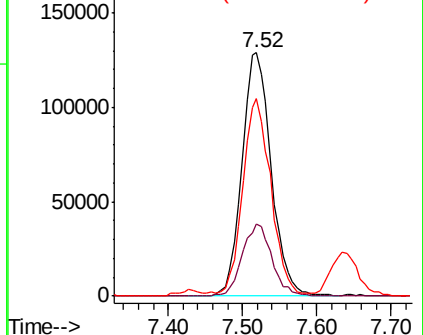
84 78.9 62.2 93.4

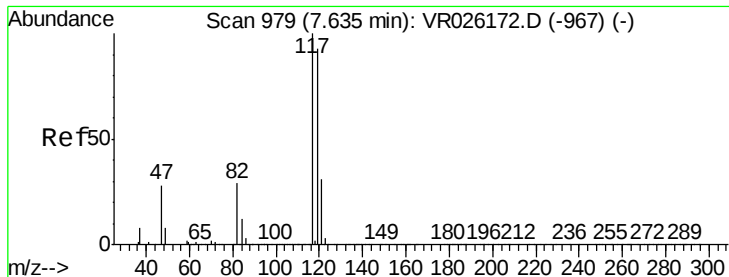


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 4.948 ug/L

RT: 7.64 min Scan# 980

Delta R.T. 0.01 min

Lab File: VR026184.D

Acq: 5 Nov 2018 17:26

Instrument :

MSVOA_R

ClientSampleId :

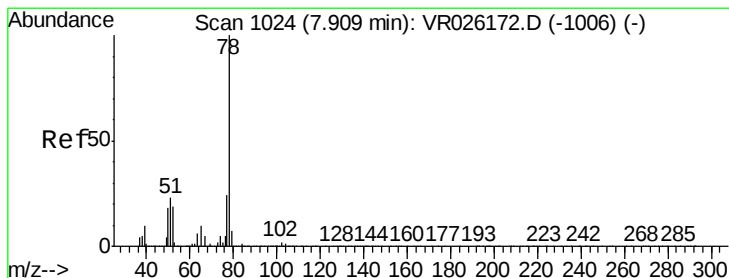
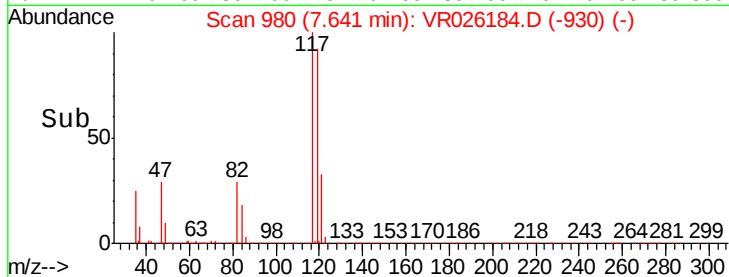
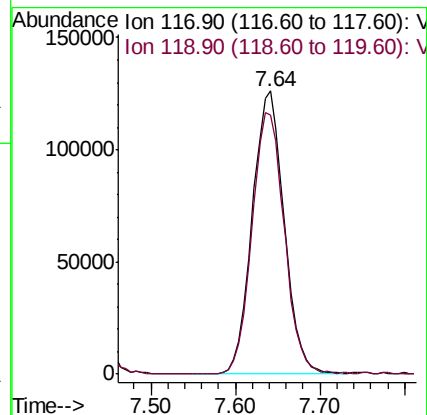
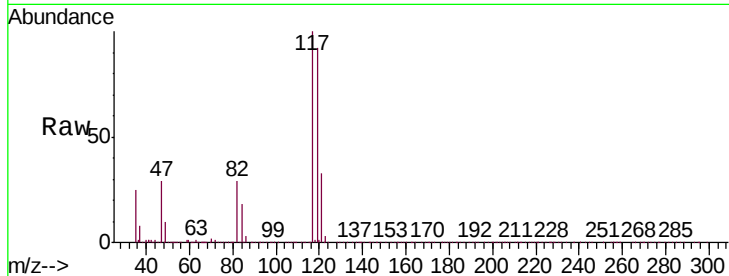
VSTD00584

Tgt Ion:117 Resp: 323176

Ion Ratio Lower Upper

117 100

119 93.7 74.2 111.2



#33

Benzene

Concen: 4.832 ug/L

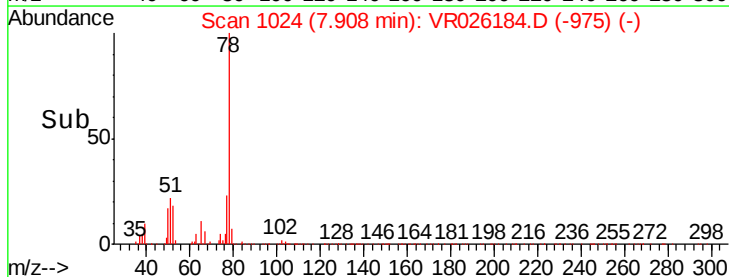
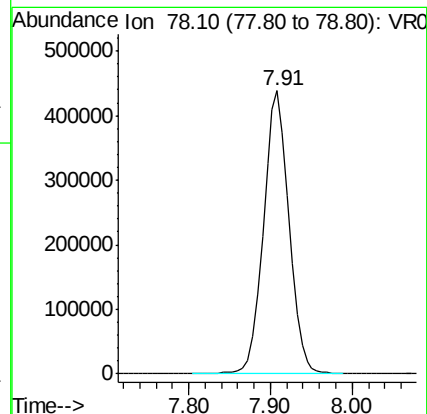
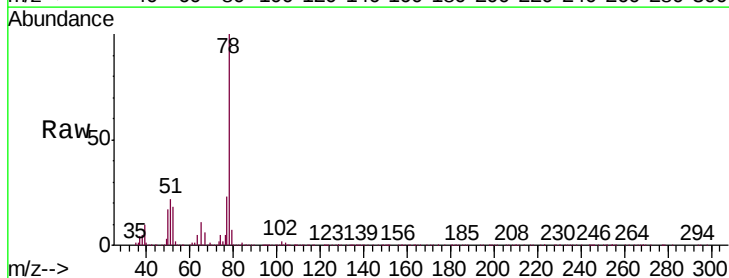
RT: 7.91 min Scan# 1024

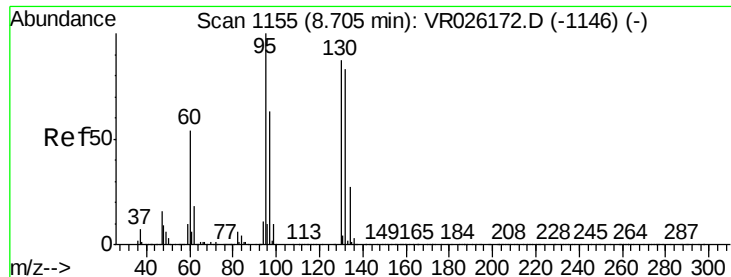
Delta R.T. -0.00 min

Lab File: VR026184.D

Acq: 5 Nov 2018 17:26

Tgt Ion: 78 Resp: 953139

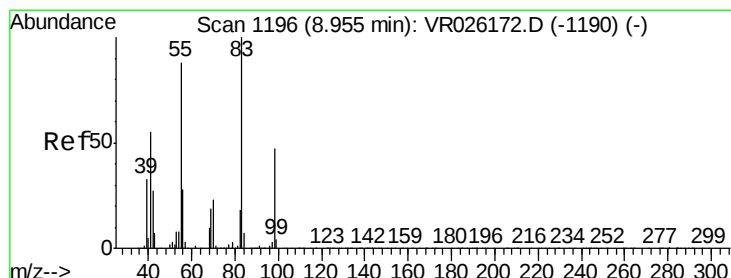
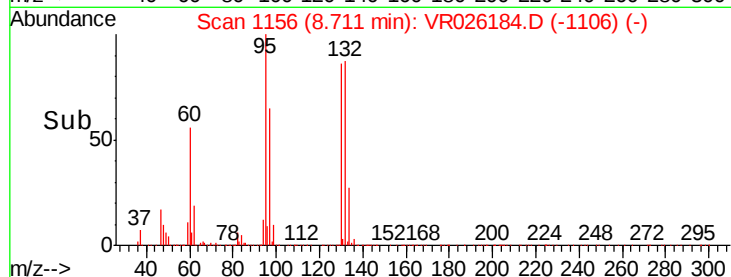
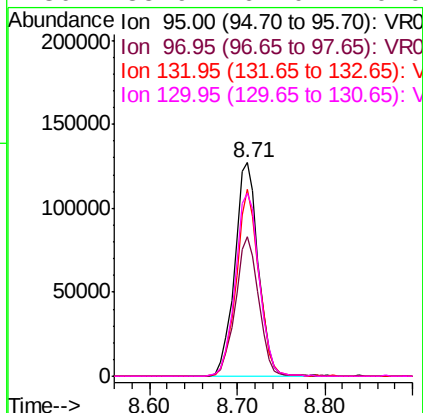
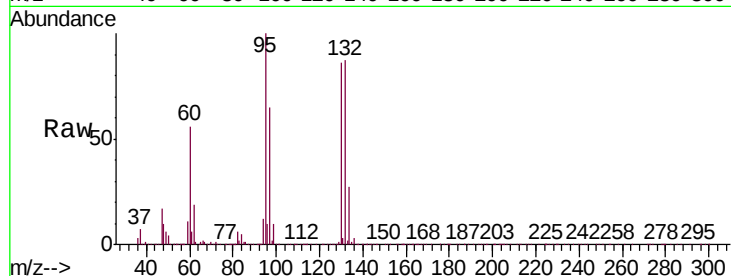




#34
 Trichloroethene
 Concen: 4.722 ug/L
 RT: 8.71 min Scan# 1156
 Delta R.T. 0.01 min
 Lab File: VR026184.D
 Acq: 5 Nov 2018 17:26

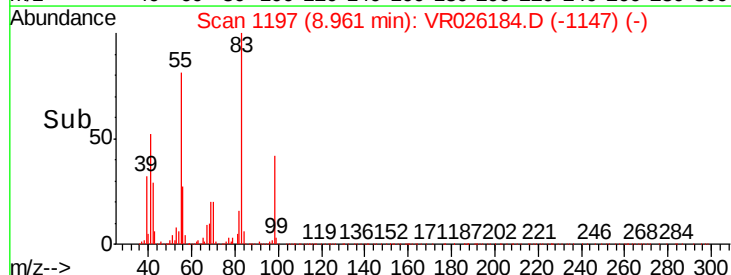
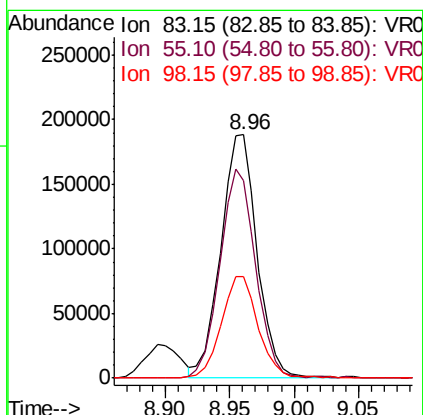
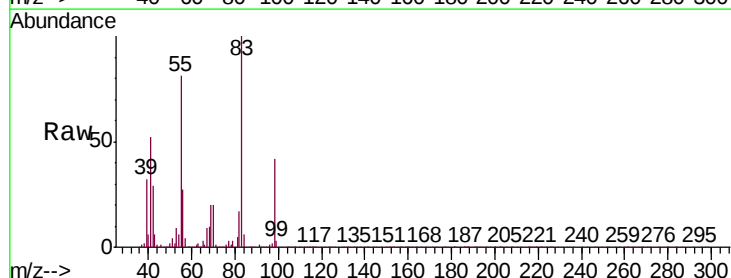
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00584

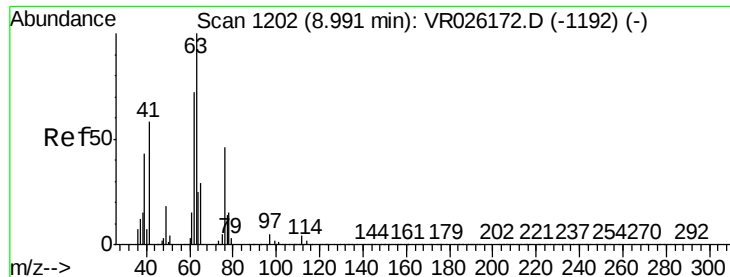
Tgt Ion:	95	Resp:	238378
Ion	Ratio	Lower	Upper
95	100		
97	65.2	45.7	84.9
132	87.4	58.3	108.3
130	85.9	64.0	119.0



#35
 Methylcyclohexane
 Concen: 4.901 ug/L
 RT: 8.96 min Scan# 1197
 Delta R.T. 0.01 min
 Lab File: VR026184.D
 Acq: 5 Nov 2018 17:26

Tgt Ion:	83	Resp:	368342
Ion	Ratio	Lower	Upper
83	100		
55	84.5	66.8	100.2
98	42.6	35.2	52.8

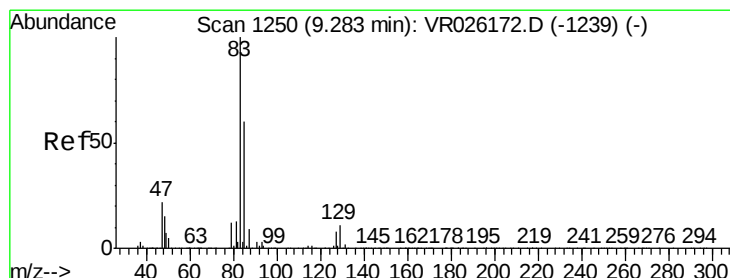
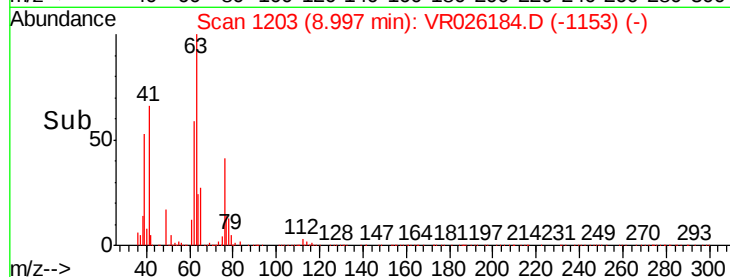
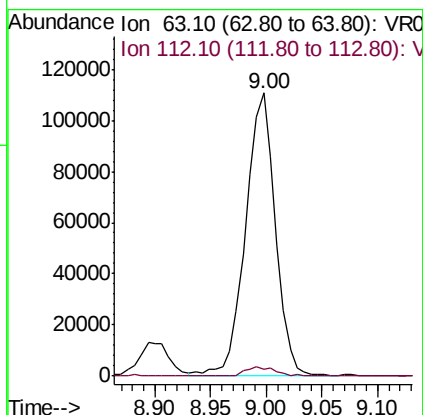
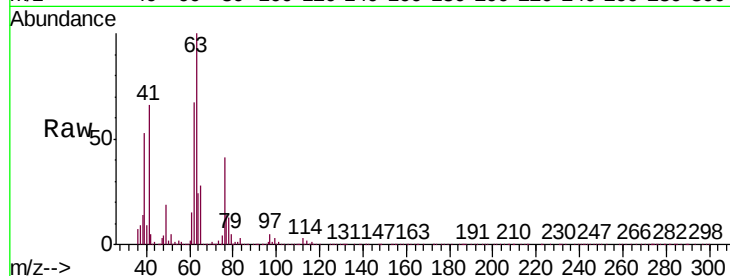




#37
 1,2-Dichloropropane
 Concen: 4.928 ug/L
 RT: 9.00 min Scan# 1203
 Delta R.T. 0.01 min
 Lab File: VR026184.D
 Acq: 5 Nov 2018 17:26

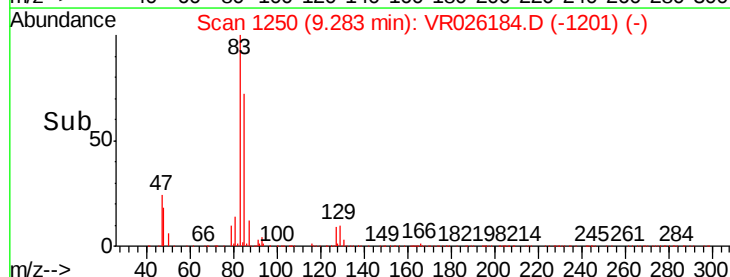
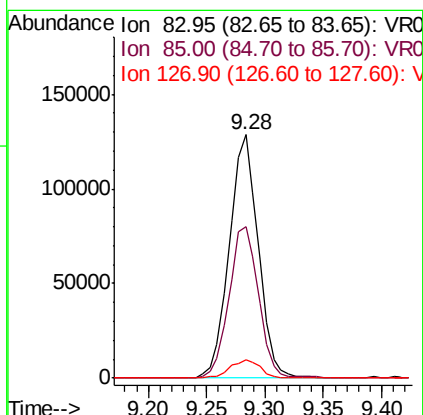
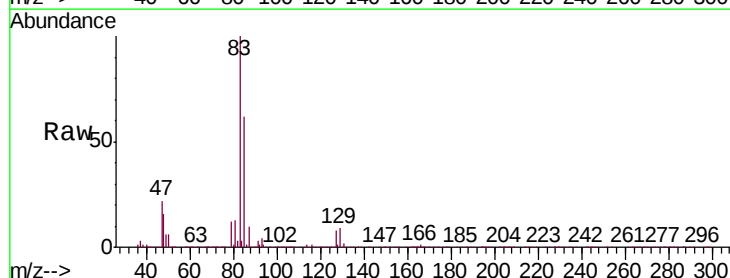
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00584

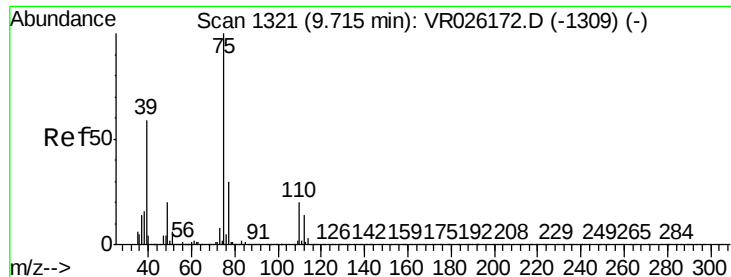
Tgt Ion: 63 Resp: 205067
 Ion Ratio Lower Upper
 63 100
 112 3.8 2.7 4.1



#38
 Bromodichloromethane
 Concen: 4.965 ug/L
 RT: 9.28 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VR026184.D
 Acq: 5 Nov 2018 17:26

Tgt Ion: 83 Resp: 222196
 Ion Ratio Lower Upper
 83 100
 85 62.5 43.5 80.7
 127 7.8 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 5.010 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. 0.01 min

Lab File: VR026184.D

Acq: 5 Nov 2018 17:26

Instrument :

MSVOA_R

ClientSampleId :

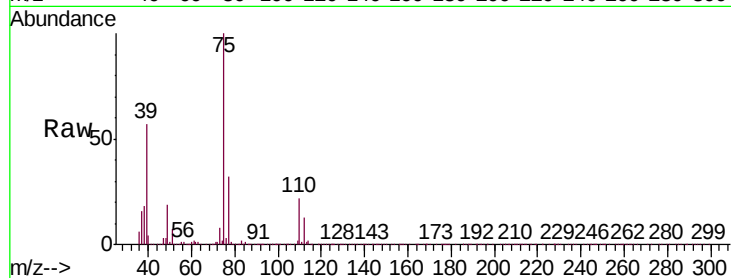
VSTD00584

Tgt Ion: 75 Resp: 238629

Ion Ratio Lower Upper

75 100

77 31.9 22.7 42.1



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

150000

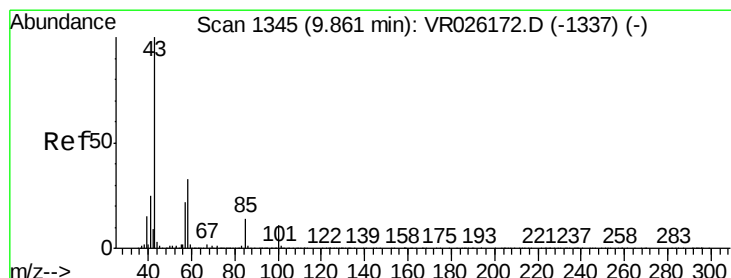
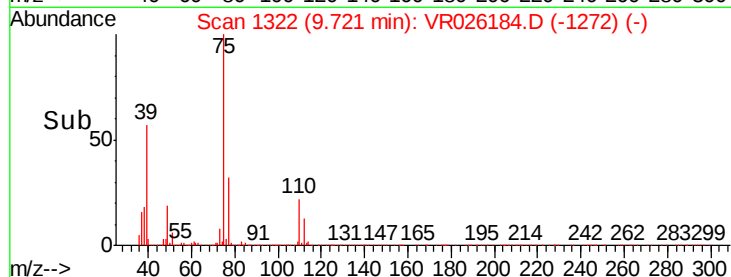
100000

50000

0

9.60 9.70 9.80

Time-->



#40

4-Methyl-2-pentanone

Concen: 49.285 ug/L

RT: 9.87 min Scan# 1346

Delta R.T. 0.01 min

Lab File: VR026184.D

Acq: 5 Nov 2018 17:26

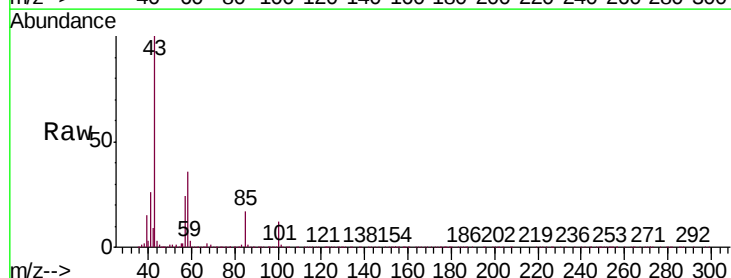
Tgt Ion: 43 Resp: 626360

Ion Ratio Lower Upper

43 100

58 34.6 28.1 42.1

100 11.5 9.3 13.9



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0

500000

400000

300000

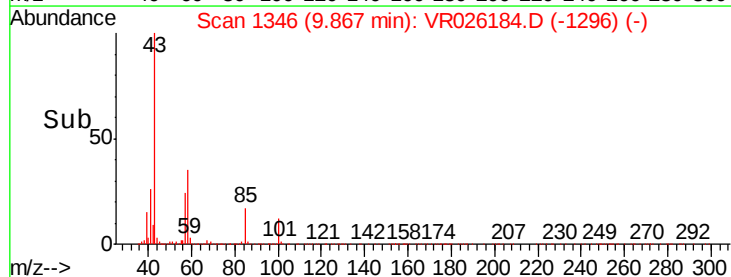
200000

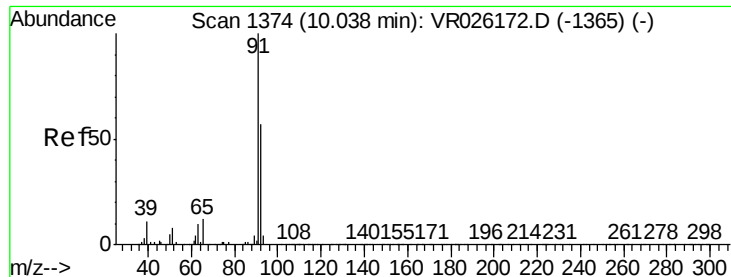
100000

0

9.80 9.90

Time-->





#42

Toluene

Concen: 5.043 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. -0.00 min

Lab File: VR026184.D

Acq: 5 Nov 2018 17:26

Instrument :

MSVOA_R

ClientSampleId :

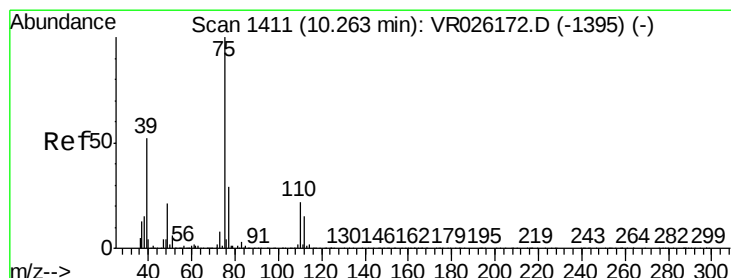
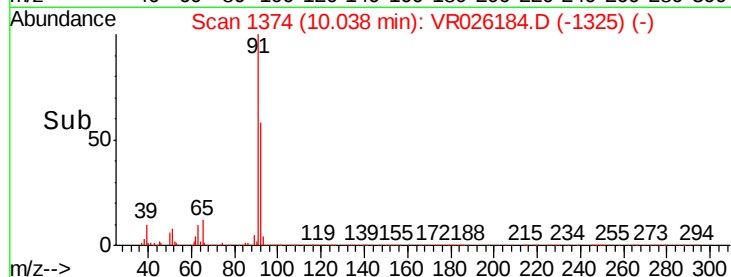
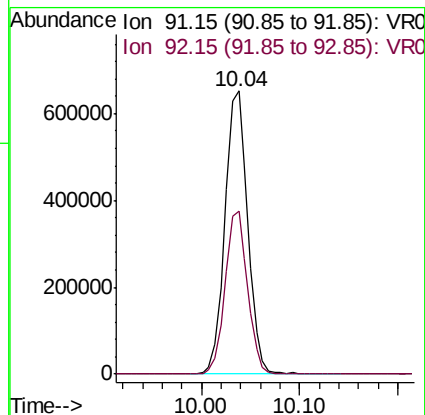
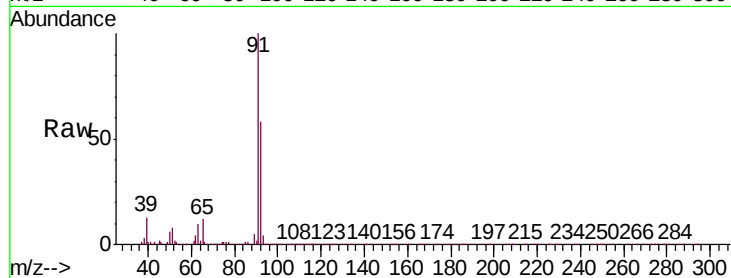
VSTD00584

Tgt Ion: 91 Resp: 1049872

Ion Ratio Lower Upper

91 100

92 57.8 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 5.002 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR026184.D

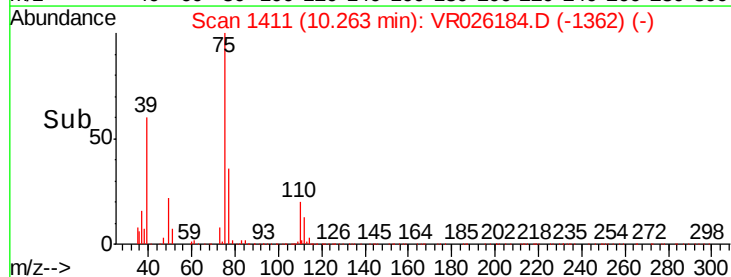
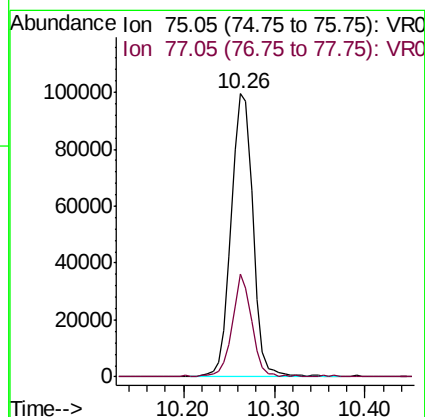
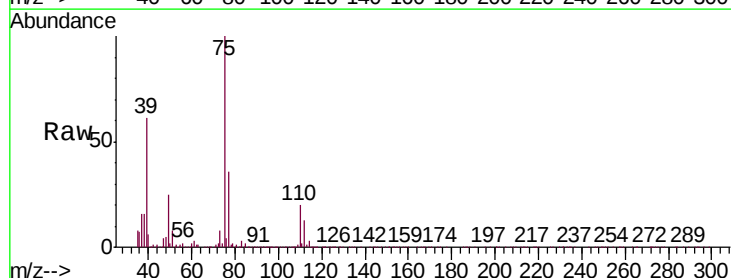
Acq: 5 Nov 2018 17:26

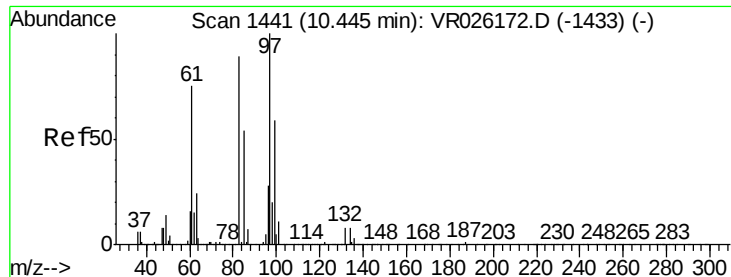
Tgt Ion: 75 Resp: 166454

Ion Ratio Lower Upper

75 100

77 36.4 24.1 44.7

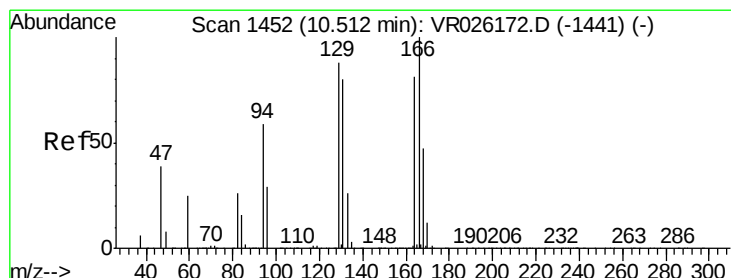
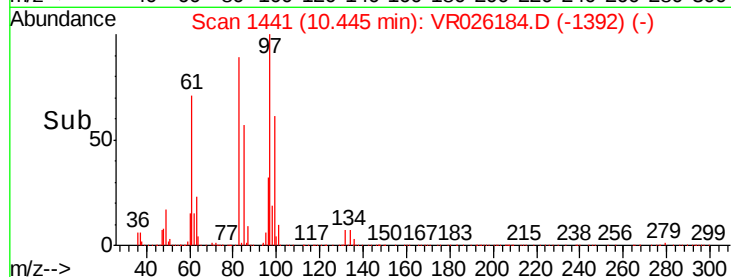
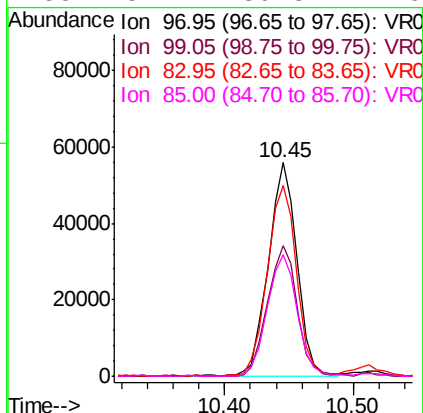
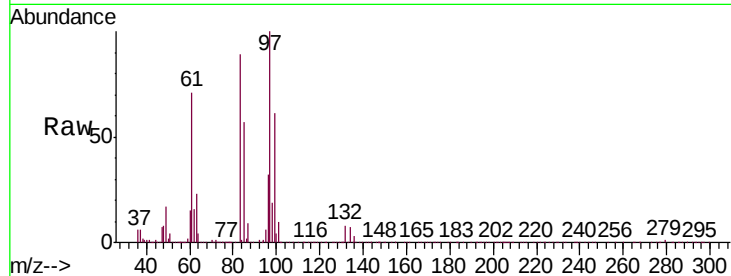




#45
 1,1,2-Trichloroethane
 Concen: 4.941 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VR026184.D
 Acq: 5 Nov 2018 17:26

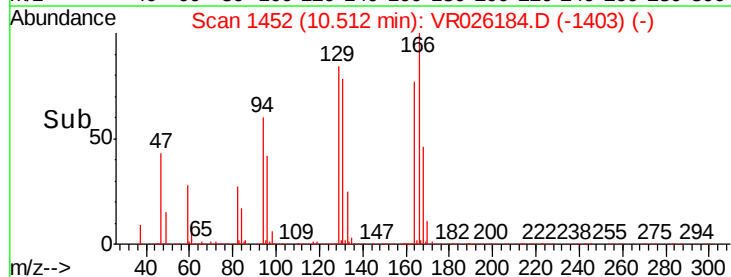
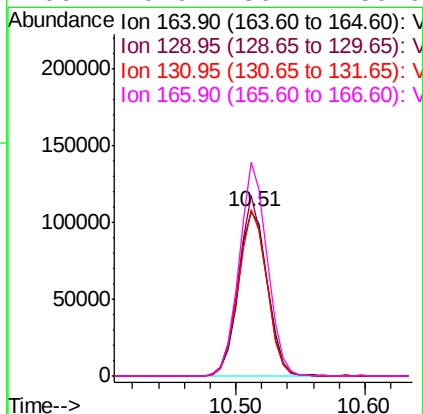
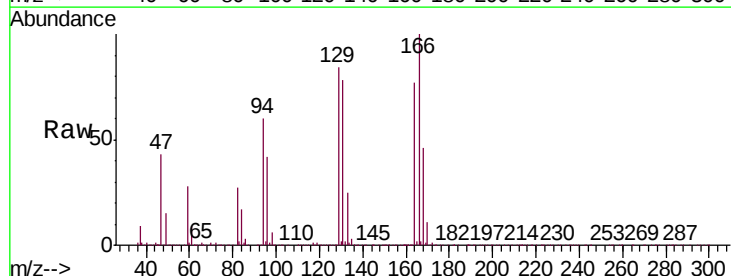
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00584

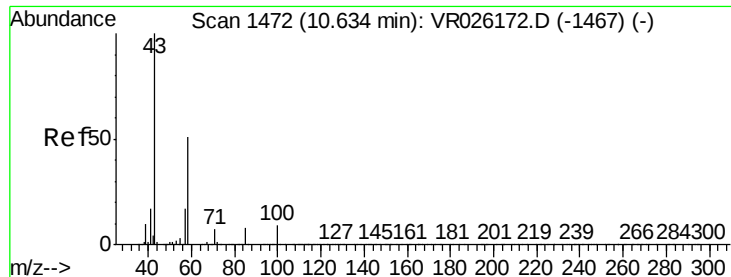
Tgt Ion:	97	Resp:	86733
Ion	Ratio	Lower	Upper
97	100		
99	61.4	42.8	79.4
83	89.2	61.9	114.9
85	57.2	39.3	72.9



#47
 Tetrachloroethene
 Concen: 4.673 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: VR026184.D
 Acq: 5 Nov 2018 17:26

Tgt Ion:	164	Resp:	168457
Ion	Ratio	Lower	Upper
164	100		
129	109.7	70.3	130.5
131	100.9	67.3	125.1
166	129.9	86.1	159.9

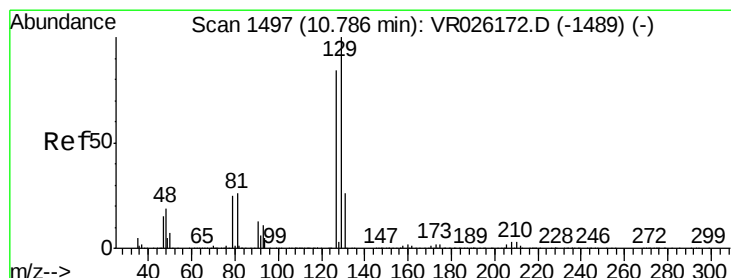
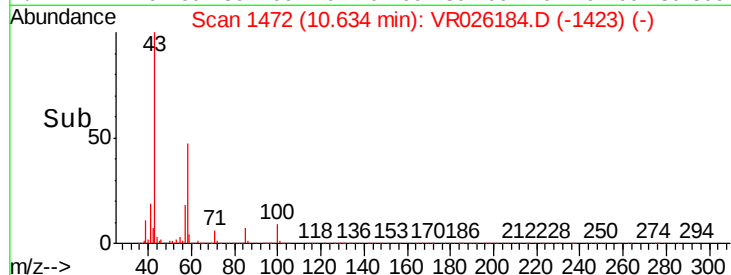
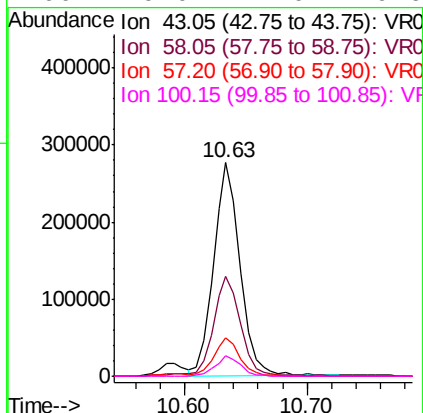
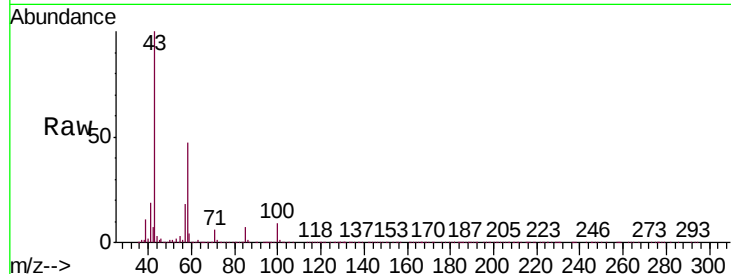




#48
2-Hexanone
Concen: 50.175 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR026184.D
Acq: 5 Nov 2018 17:26

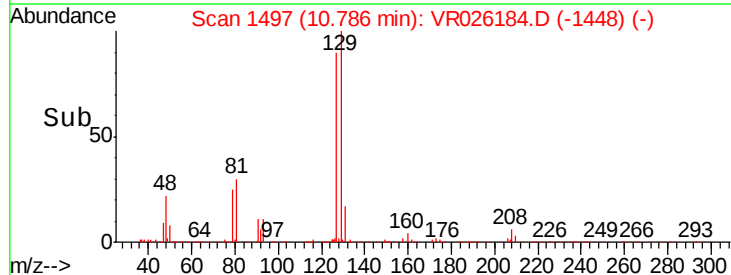
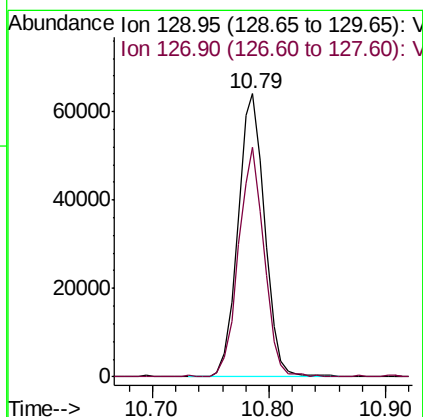
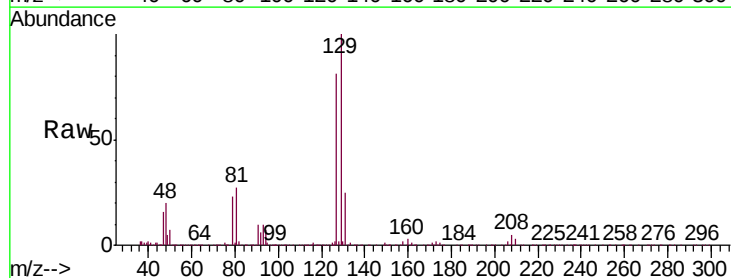
Instrument :
MSVOA_R
ClientSampleId :
VSTD00584

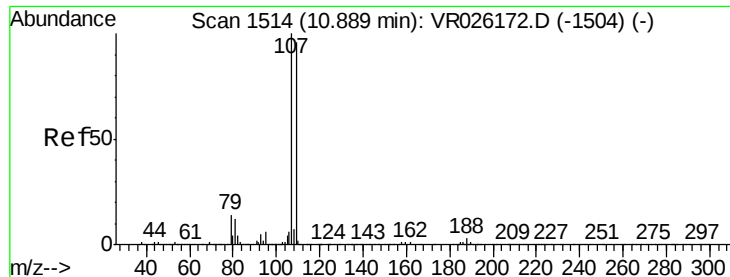
Tgt Ion:	43	Resp:	416479
Ion	Ratio	Lower	Upper
43	100		
58	49.4	39.6	59.4
57	17.0	14.0	21.0
100	9.0	7.0	10.6



#49
Dibromochloromethane
Concen: 5.164 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VR026184.D
Acq: 5 Nov 2018 17:26

Tgt Ion:	129	Resp:	102006
Ion	Ratio	Lower	Upper
129	100		
127	81.0	55.0	102.2

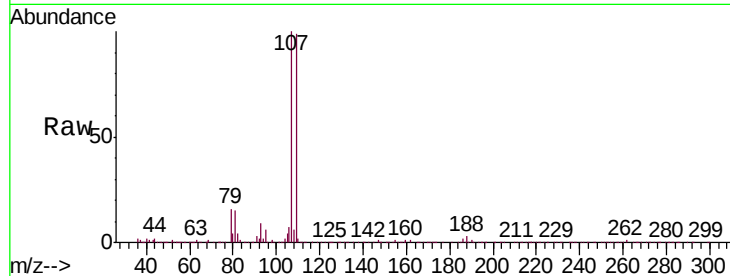




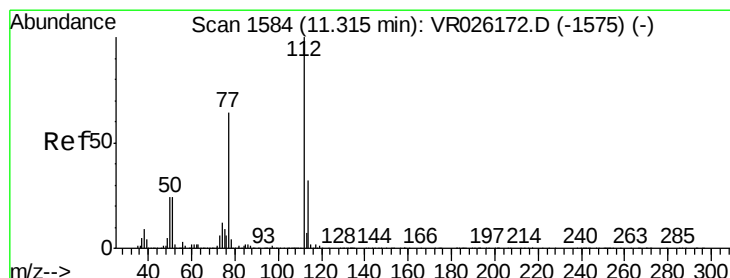
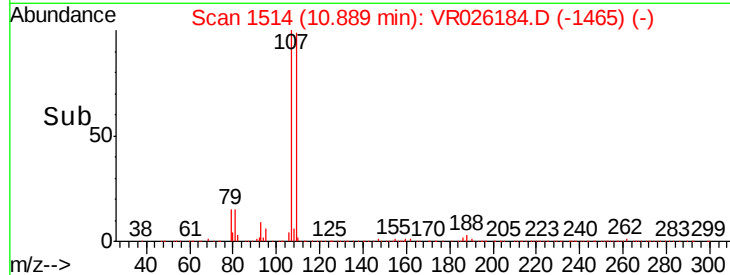
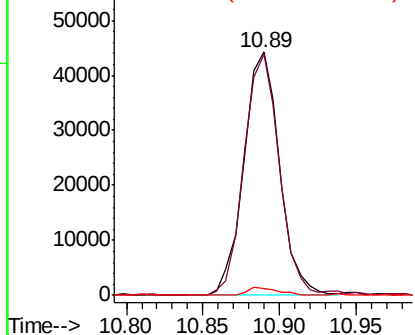
#50
1,2-Dibromoethane
Concen: 4.750 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VR026184.D
Acq: 5 Nov 2018 17:26

Instrument :
MSVOA_R
ClientSampleId :
VSTD00584

Tgt Ion:107 Resp: 72039
Ion Ratio Lower Upper
107 100
109 99.0 58.7 109.1
188 3.0 2.9 4.3

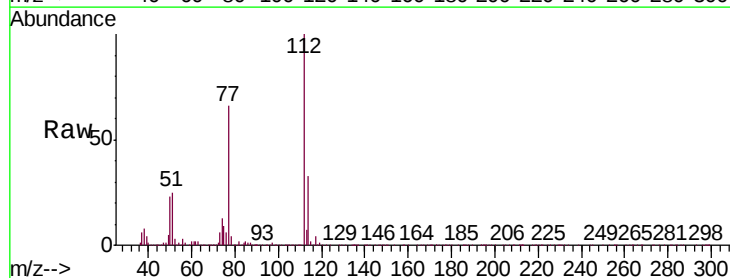


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

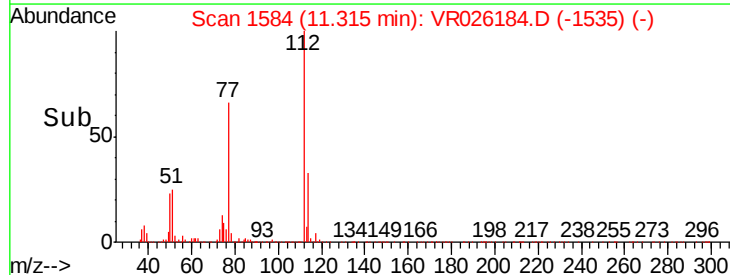
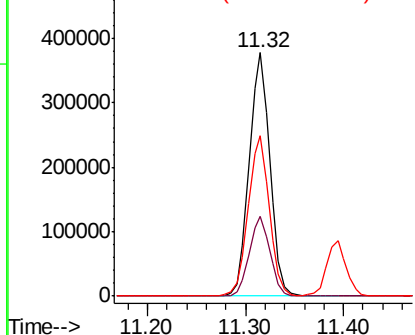


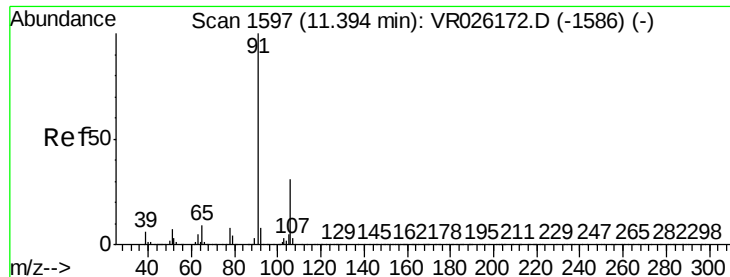
#51
Chlorobenzene
Concen: 4.792 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VR026184.D
Acq: 5 Nov 2018 17:26

Tgt Ion:112 Resp: 552299
Ion Ratio Lower Upper
112 100
114 32.7 22.8 42.4
77 65.8 51.5 77.3



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VR





#52

Ethylbenzene

Concen: 5.153 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR026184.D

Acq: 5 Nov 2018 17:26

Instrument :

MSVOA_R

ClientSampleId :

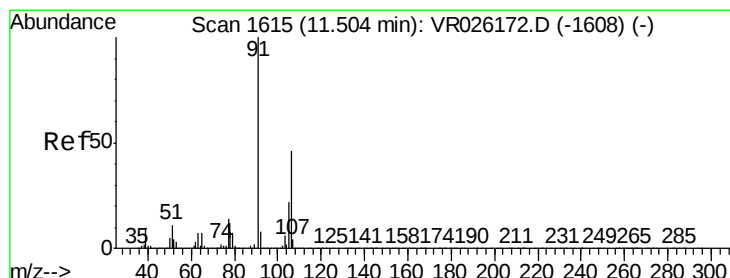
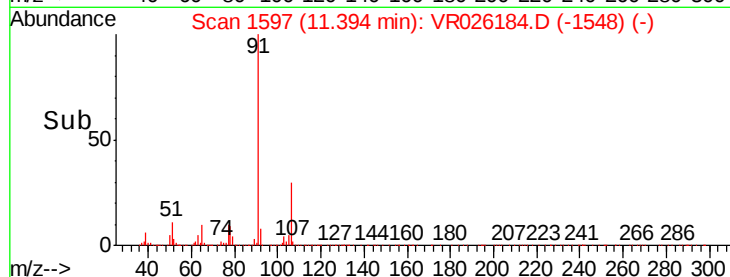
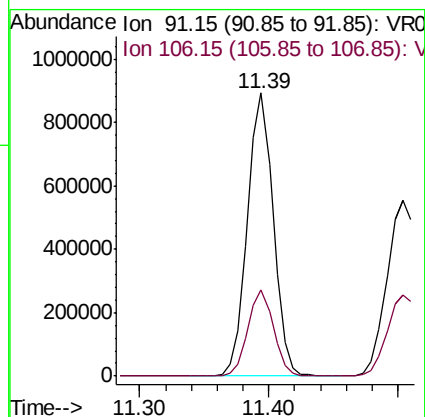
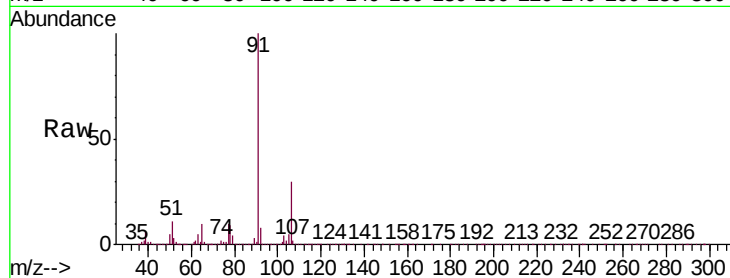
VSTD00584

Tgt Ion: 91 Resp: 1233474

Ion Ratio Lower Upper

91 100

106 30.4 21.2 39.4



#53

m,p-Xylene

Concen: 5.021 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR026184.D

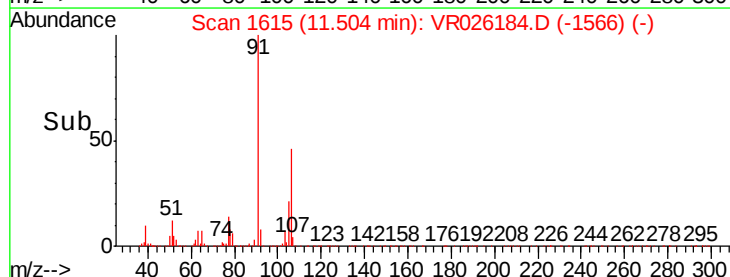
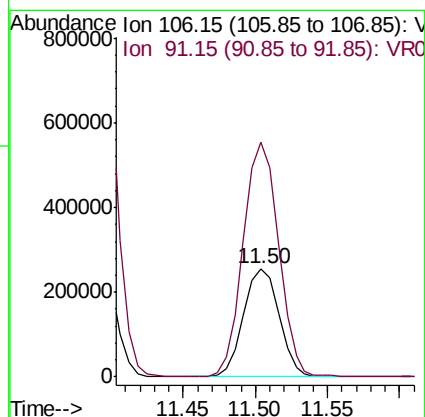
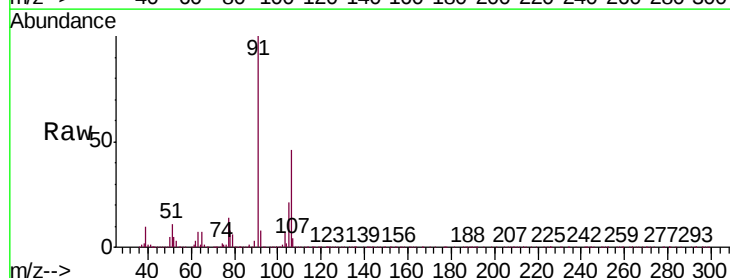
Acq: 5 Nov 2018 17:26

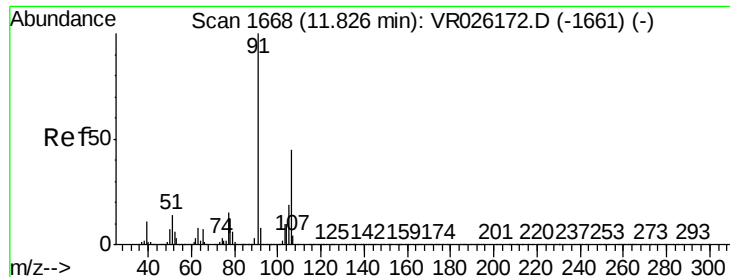
Tgt Ion: 106 Resp: 437976

Ion Ratio Lower Upper

106 100

91 216.8 145.3 269.8

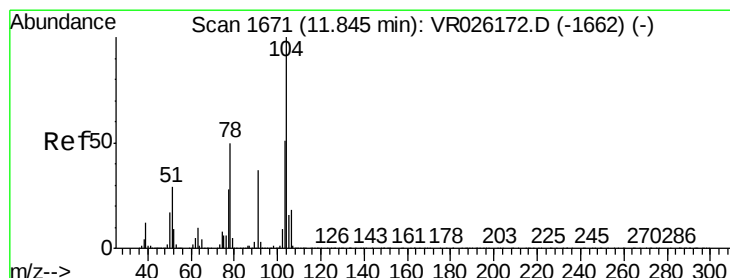
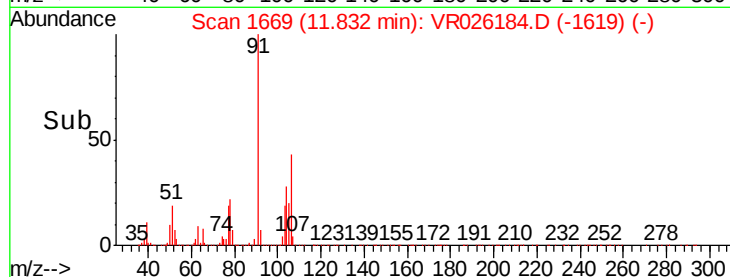
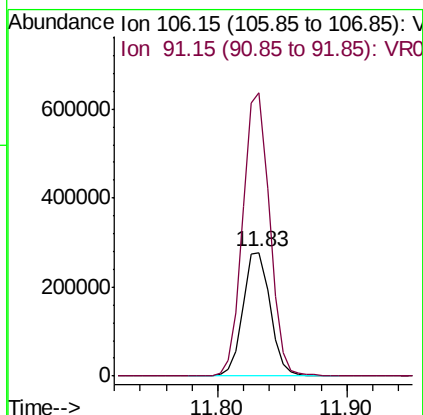
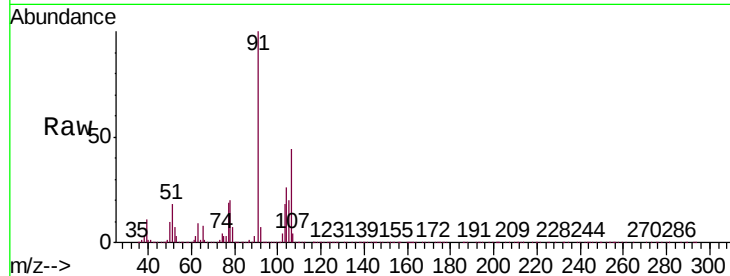




#54
o-Xylene
Concen: 5.054 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.01 min
Lab File: VR026184.D
Acq: 5 Nov 2018 17:26

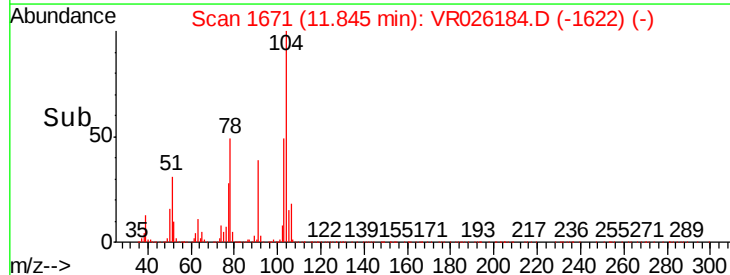
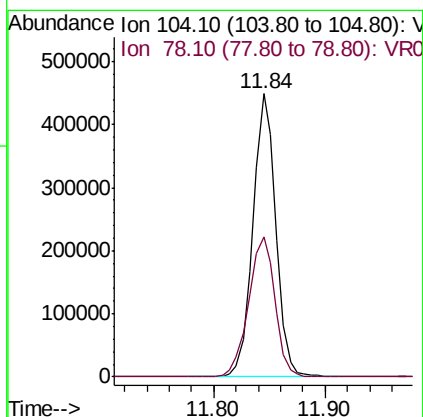
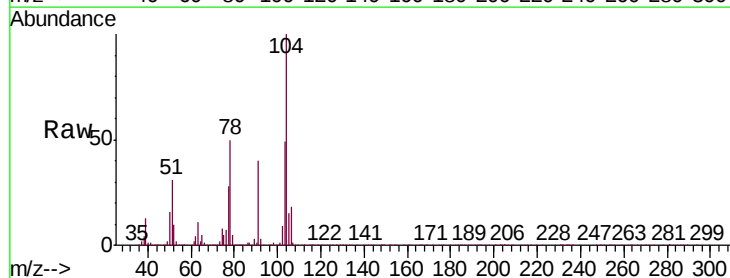
Instrument :
MSVOA_R
ClientSampleId :
VSTD00584

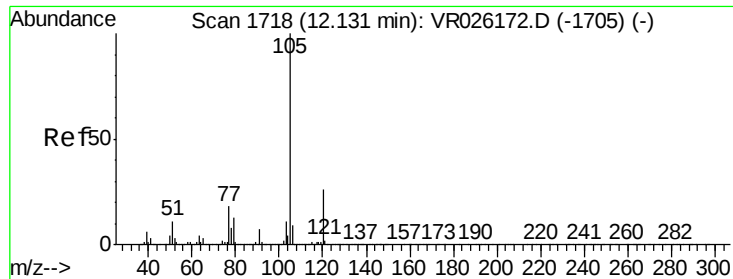
Tgt Ion:106 Resp: 404136
Ion Ratio Lower Upper
106 100
91 229.0 155.8 289.3



#55
Styrene
Concen: 5.206 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR026184.D
Acq: 5 Nov 2018 17:26

Tgt Ion:104 Resp: 640699
Ion Ratio Lower Upper
104 100
78 49.6 34.7 64.5





#56

Isopropylbenzene

Concen: 5.281 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR026184.D

Acq: 5 Nov 2018 17:26

Instrument :

MSVOA_R

ClientSampled :

VSTD00584

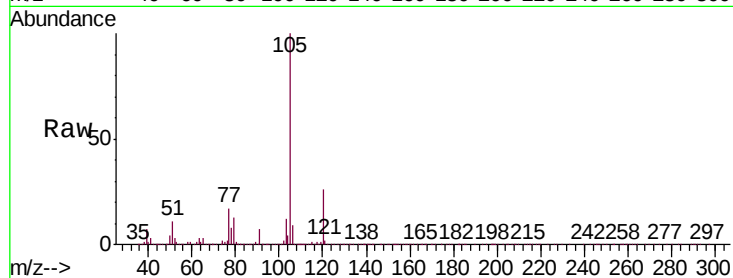
Tgt Ion:105 Resp: 1172848

Ion Ratio Lower Upper

105 100

120 25.7 21.0 31.4

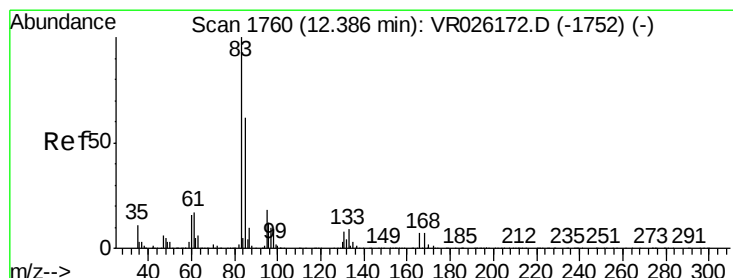
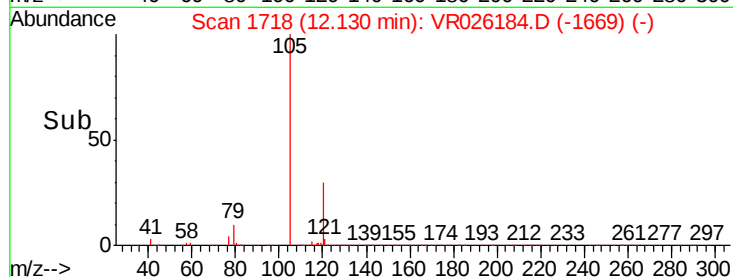
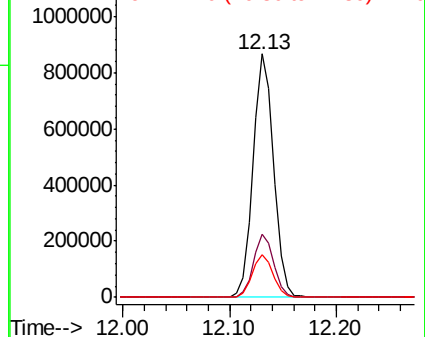
77 17.8 14.6 21.8



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.743 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. -0.00 min

Lab File: VR026184.D

Acq: 5 Nov 2018 17:26

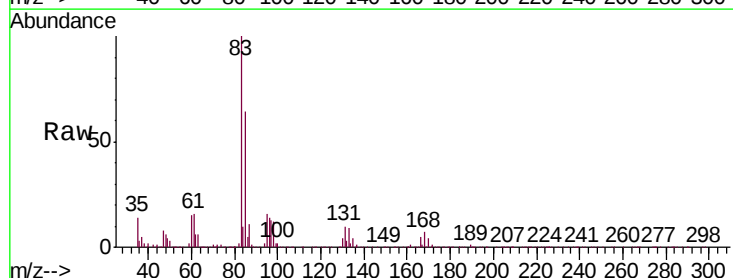
Tgt Ion: 83 Resp: 84611

Ion Ratio Lower Upper

83 100

85 64.4 44.0 81.8

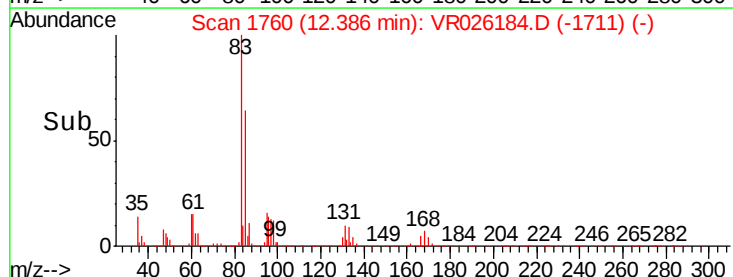
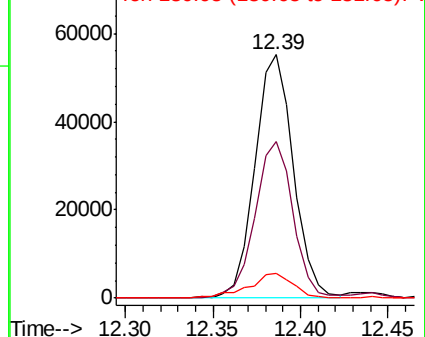
131 10.3 8.0 12.0

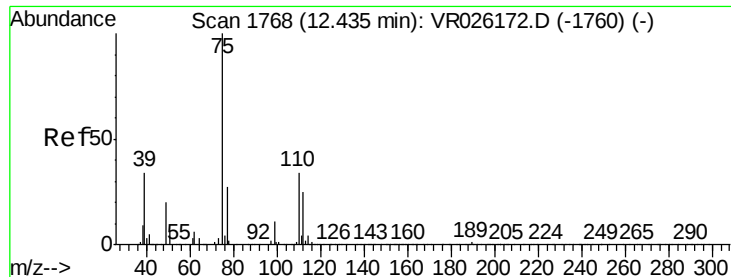


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

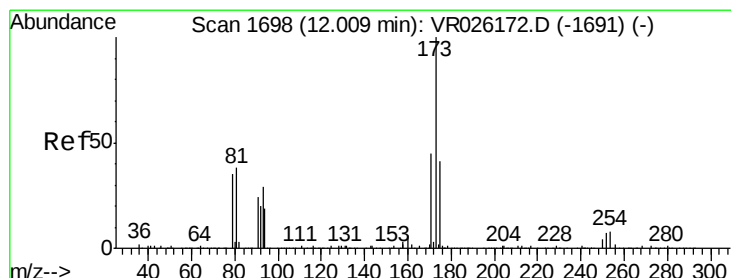
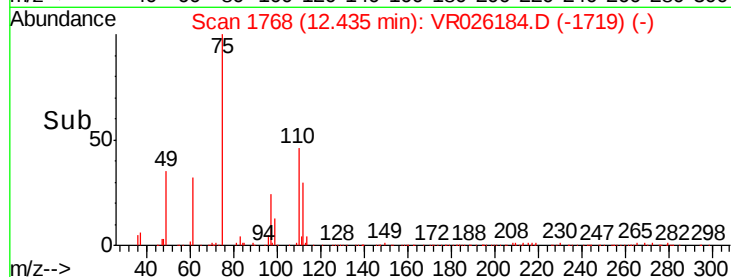
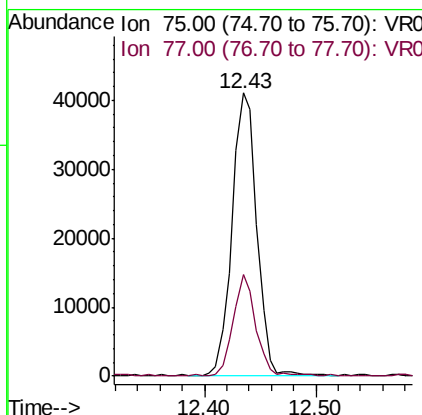
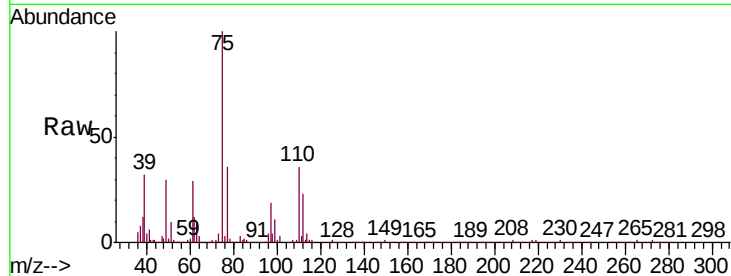




#59
 1,2,3-Trichloropropane
 Concen: 4.829 ug/L
 RT: 12.43 min Scan# 1768
 Delta R.T. -0.00 min
 Lab File: VR026184.D
 Acq: 5 Nov 2018 17:26

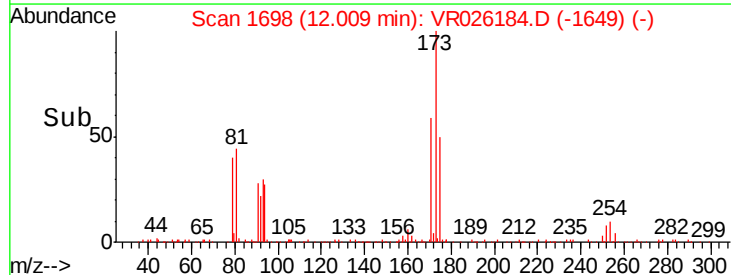
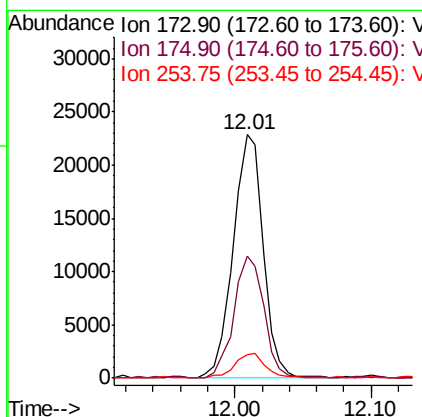
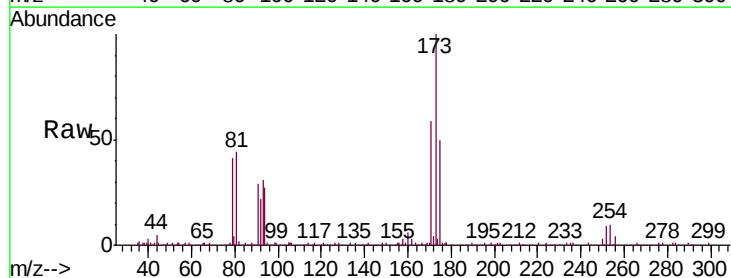
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00584

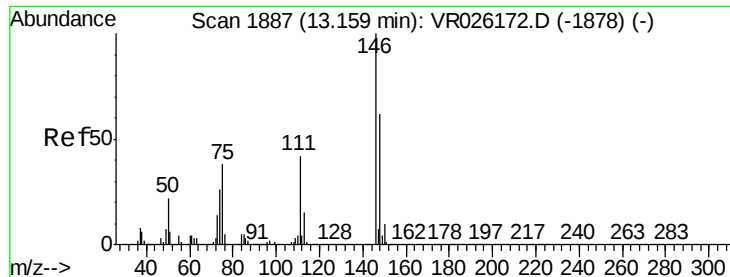
Tgt Ion: 75 Resp: 63247
 Ion Ratio Lower Upper
 75 100
 77 33.0 26.2 39.2



#61
 Bromoform
 Concen: 5.047 ug/L
 RT: 12.01 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VR026184.D
 Acq: 5 Nov 2018 17:26

Tgt Ion: 173 Resp: 35151
 Ion Ratio Lower Upper
 173 100
 175 50.5 39.0 58.4
 254 10.5 8.1 12.1

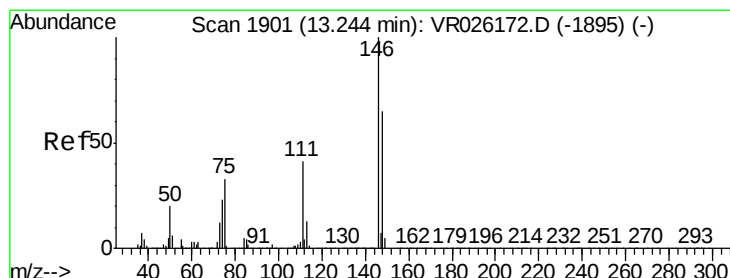
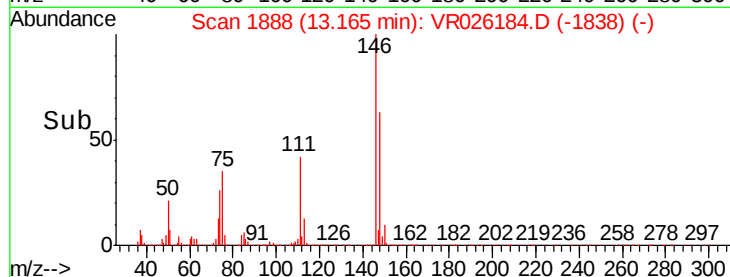
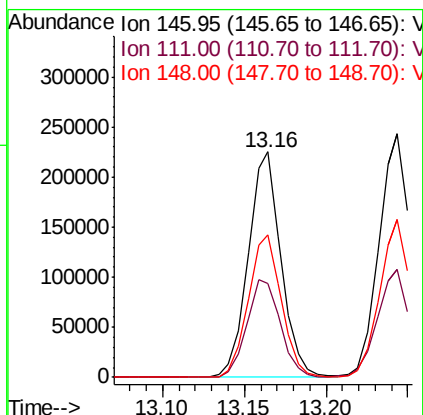
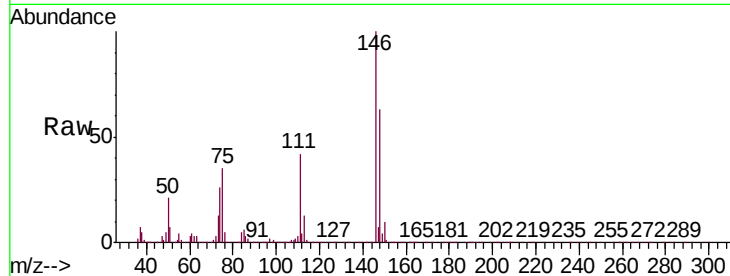




#62
 1,3-Dichlorobenzene
 Concen: 4.714 ug/L
 RT: 13.16 min Scan# 1888
 Delta R.T. 0.01 min
 Lab File: VR026184.D
 Acq: 5 Nov 2018 17:26

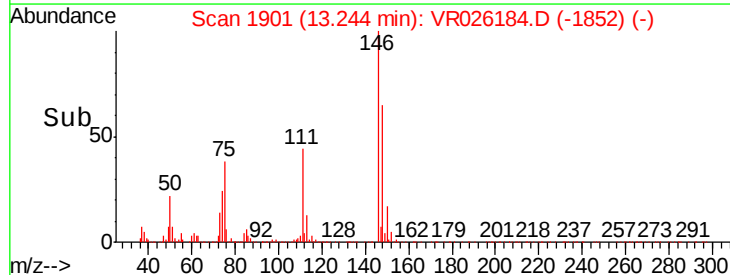
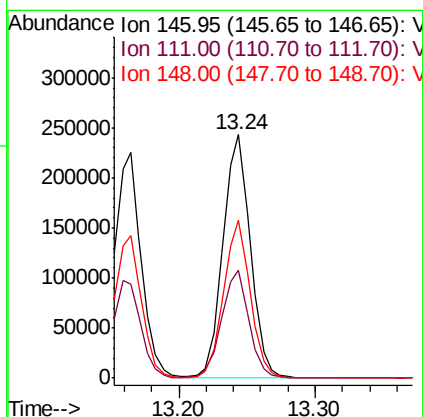
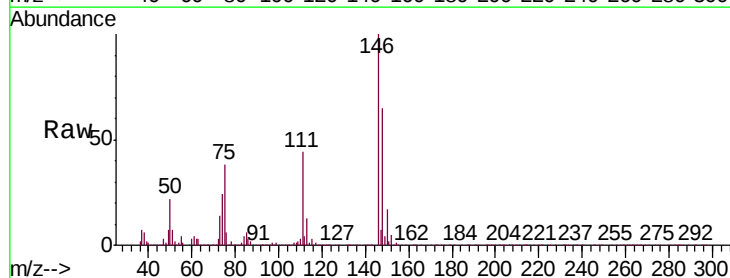
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00584

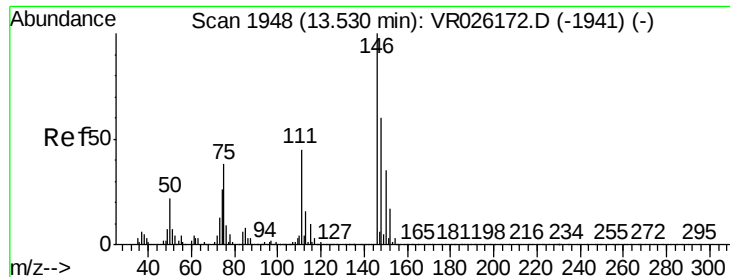
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	32.1	59.7
148	63.2	43.8	81.3



#63
 1,4-Dichlorobenzene
 Concen: 4.929 ug/L
 RT: 13.24 min Scan# 1901
 Delta R.T. -0.00 min
 Lab File: VR026184.D
 Acq: 5 Nov 2018 17:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.2	32.6	60.6
148	64.9	46.7	86.7

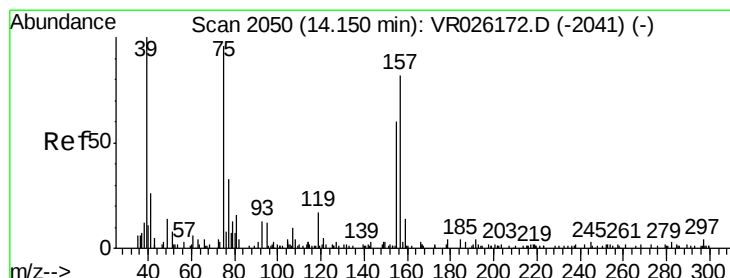
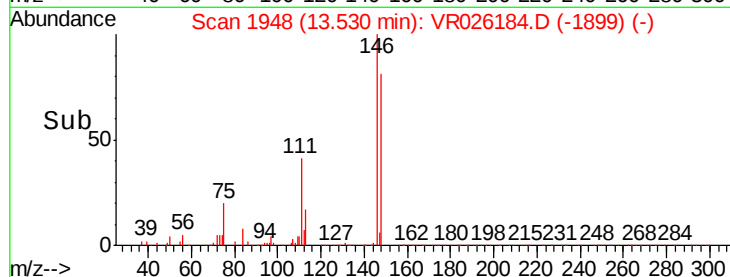
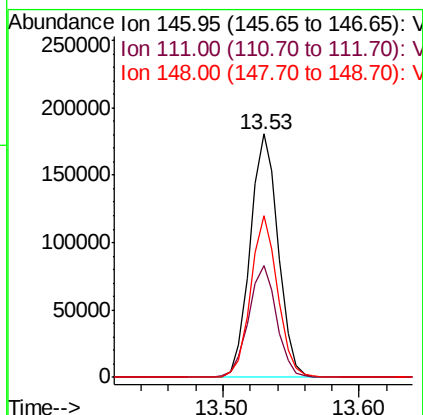
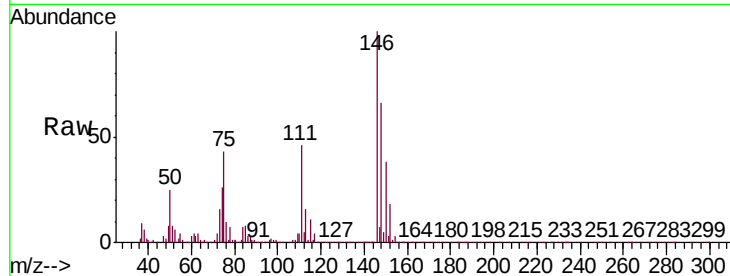




#65
1,2-Dichlorobenzene
Concen: 4.880 ug/L
RT: 13.53 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VR026184.D
Acq: 5 Nov 2018 17:26

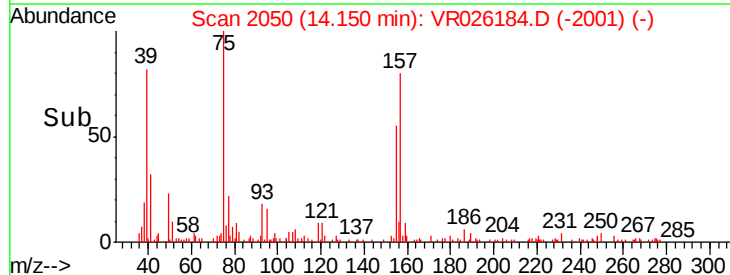
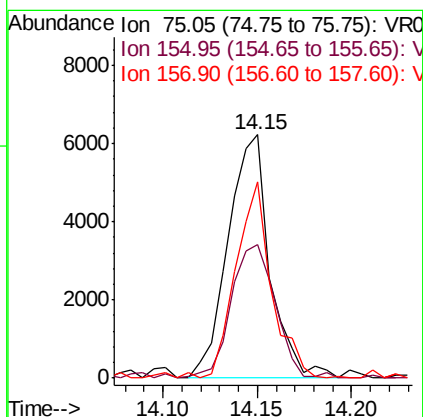
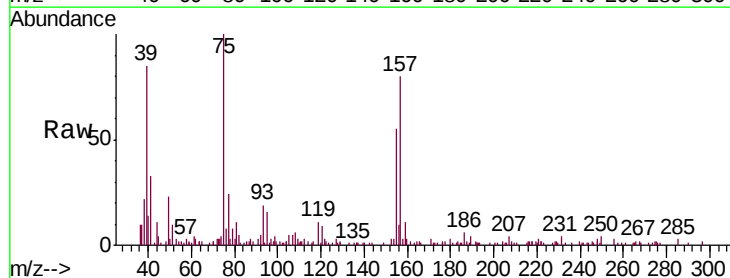
Instrument :
MSVOA_R
ClientSampleId :
VSTD00584

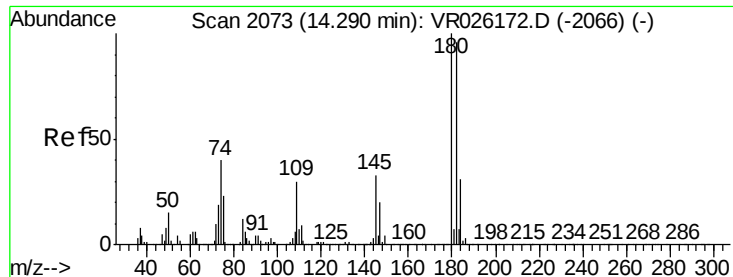
Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.0	35.2	52.8
148	66.5	51.2	76.8



#66
1,2-Dibromo-3-chloropropane
Concen: 4.400 ug/L
RT: 14.15 min Scan# 2050
Delta R.T. -0.00 min
Lab File: VR026184.D
Acq: 5 Nov 2018 17:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	55.1	40.9	61.3
157	80.4	67.3	100.9

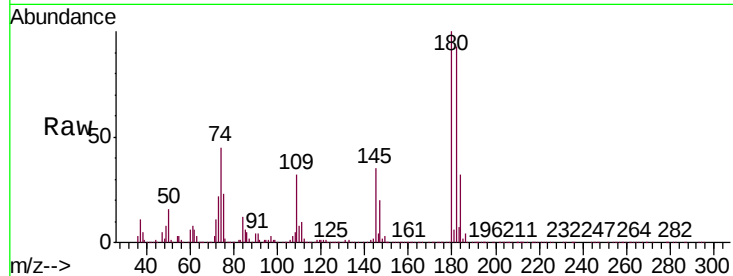




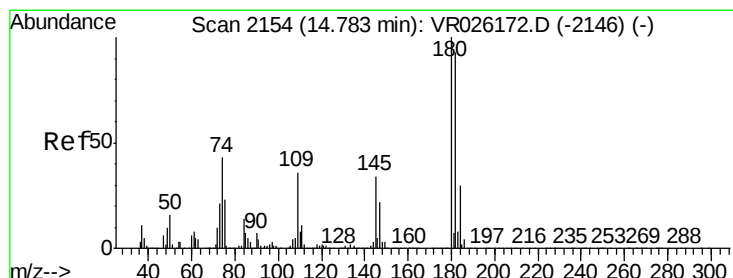
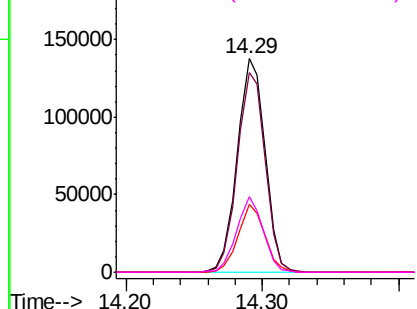
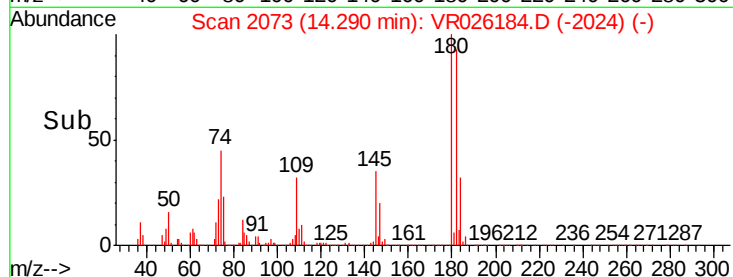
#67
 1,3,5-Trichlorobenzene
 Concen: 4.829 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR026184.D
 Acq: 5 Nov 2018 17:26

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00584

Tgt Ion:	180	Resp:	195866
Ion Ratio	Lower	Upper	
180	100		
182	93.5	77.5	116.3
184	30.4	25.0	37.4
145	33.6	27.6	41.4

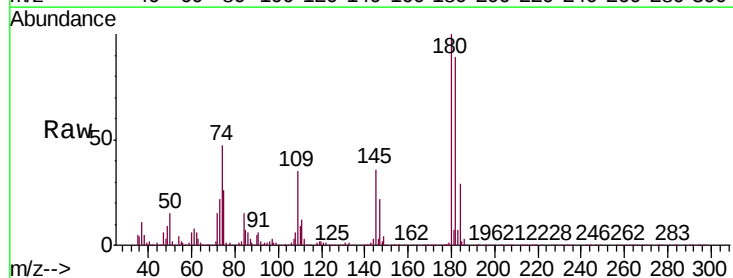


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

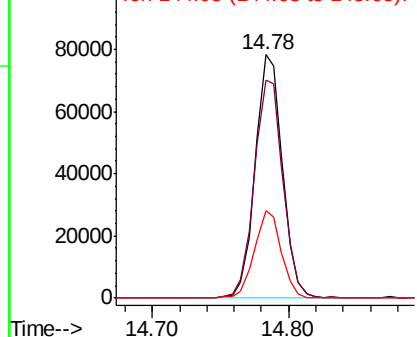
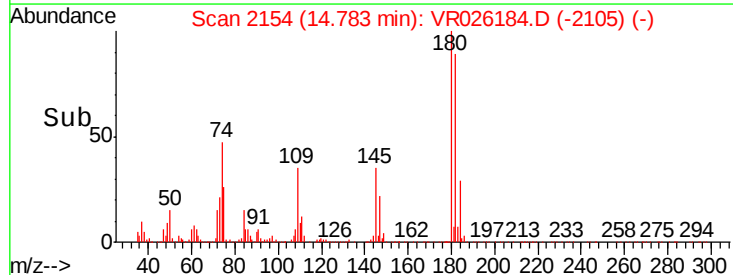


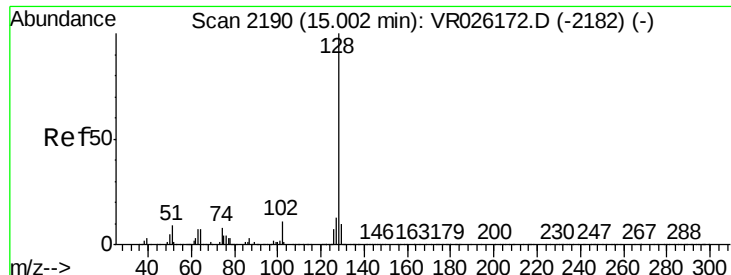
#68
 1,2,4-trichlorobenzene
 Concen: 4.640 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VR026184.D
 Acq: 5 Nov 2018 17:26

Tgt Ion:	180	Resp:	109853
Ion Ratio	Lower	Upper	
180	100		
182	94.7	76.1	114.1
145	35.8	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: 4.658 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR026184.D

Acq: 5 Nov 2018 17:26

Instrument :

MSVOA_R

ClientSampleId :

VSTD00584

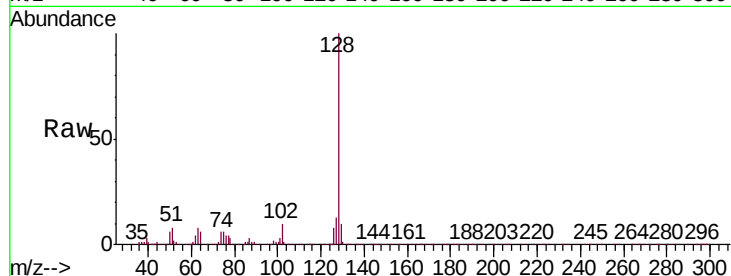
Tgt Ion:128 Resp: 107088

Ion Ratio Lower Upper

128 100

127 13.1 11.0 16.6

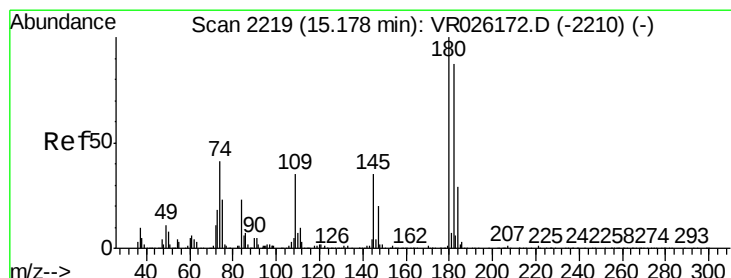
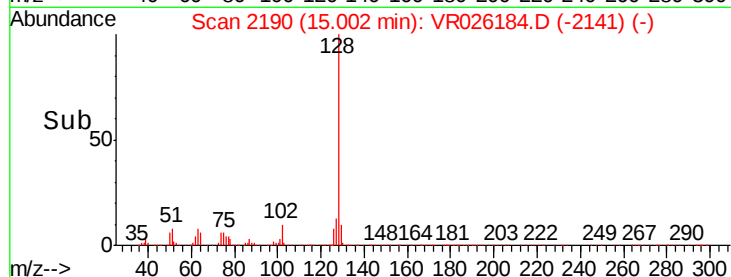
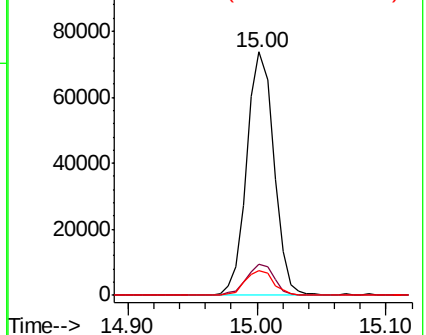
129 10.9 9.1 13.7



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: 4.864 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VR026184.D

Acq: 5 Nov 2018 17:26

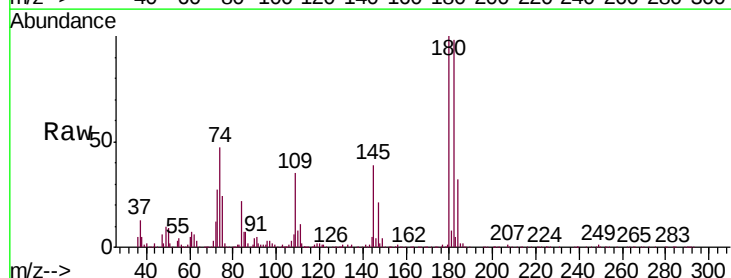
Tgt Ion:180 Resp: 79973

Ion Ratio Lower Upper

180 100

182 97.2 75.7 113.5

145 37.4 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

