

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR021119\
 Data File : VR026306.D
 Acq On : 11 Feb 2019 13:16
 Operator : SY/MD
 Sample : VSTD00583
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00583

Quant Time: Feb 14 04:47:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR021119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Feb 14 04:34:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	541032	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	460503	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	187713	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	233959	4.74	ug/L	0.00
7) Chloroethane-d5	2.62	69	199783	4.95	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.61	63	584001	4.92	ug/L	0.00
20) 2-Butanone-d5	6.59	46	154136	48.93	ug/L	0.00
24) Chloroform-d	7.20	84	391531	4.78	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.90	65	146985	4.93	ug/L	0.00
32) Benzene-d6	7.85	84	783650	4.98	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.89	67	191139	4.75	ug/L	0.00
41) Toluene-d8	9.97	98	763132	5.20	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.23	79	52063	4.80	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	135772	55.13	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	76536	5.01	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	145885	4.64	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.82	85	246004	4.935 ug/L	100
3) Chloromethane	2.01	50	289341	5.083 ug/L	100
5) Vinyl chloride	2.17	62	293016	5.110 ug/L	100
6) Bromomethane	2.52	94	188203	5.103 ug/L	100
8) Chloroethane	2.65	64	175392	5.091 ug/L	100
9) Trichlorofluoromethane	2.93	101	465474	4.980 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	238357	4.853 ug/L	100
12) 1,1-Dichloroethene	3.63	96	259523	5.021 ug/L	100
13) Acetone	3.69	43	164641	49.631 ug/L	100
14) Carbon disulfide	3.93	76	860273	5.090 ug/L	100
15) Methyl Acetate	4.18	43	44153	4.849 ug/L	100
16) Methylene chloride	4.40	84	216768	4.953 ug/L	100
17) Methyl tert-butyl Ether	4.89	73	238004	5.227 ug/L	100
18) trans-1,2-Dichloroethene	4.88	96	240007	5.116 ug/L	100
19) 1,1-Dichloroethane	5.69	63	404993	5.029 ug/L	100
21) 2-Butanone	6.69	43	212452	56.572 ug/L	100
22) cis-1,2-Dichloroethene	6.67	96	201718	5.331 ug/L	100
23) Bromochloromethane	7.04	128	59542	5.044 ug/L	100
25) Chloroform	7.23	83	394601	5.044 ug/L	100
27) 1,2-Dichloroethane	7.99	62	173340	5.122 ug/L	100
29) 1,1,1-Trichloroethane	7.43	97	374060	4.934 ug/L	100
30) Cyclohexane	7.51	56	340130	5.604 ug/L	100
31) Carbon tetrachloride	7.63	117	346119	4.926 ug/L	100
33) Benzene	7.90	78	940239	5.160 ug/L	100
34) Trichloroethene	8.71	95	227857	4.850 ug/L	100
35) Methylcyclohexane	8.95	83	356713	5.460 ug/L	100
37) 1,2-Dichloropropane	8.99	63	198138	5.036 ug/L	100
38) Bromodichloromethane	9.28	83	217223	4.951 ug/L	100
39) cis-1,3-Dichloropropene	9.72	75	219902	5.432 ug/L	100
40) 4-Methyl-2-pentanone	9.86	43	529412	58.375 ug/L	100

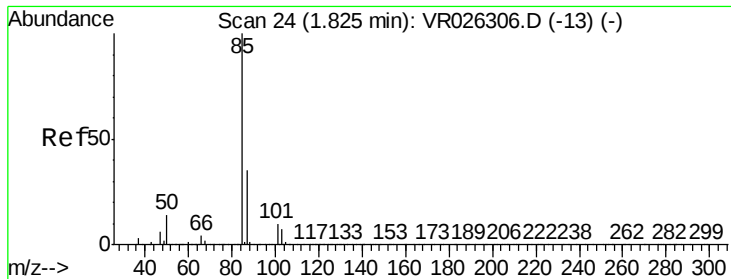
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.03	91	1007569	5.380	ug/L	100
44) trans-1,3-Dichloropropene	10.26	75	159381	5.307	ug/L	100
45) 1,1,2-Trichloroethane	10.45	97	79973	4.868	ug/L	100
47) Tetrachloroethene	10.51	164	174319	4.836	ug/L	100
48) 2-Hexanone	10.63	43	354173	58.078	ug/L	100
49) Dibromochloromethane	10.78	129	109913	5.206	ug/L	100
50) 1,2-Dibromoethane	10.89	107	67590	5.174	ug/L	100
51) Chlorobenzene	11.32	112	529105	4.941	ug/L	100
52) Ethylbenzene	11.39	91	1138019	5.435	ug/L	100
53) m,p-Xylene	11.50	106	410276	5.363	ug/L	100
54) o-Xylene	11.83	106	371417	5.629	ug/L	100
55) Styrene	11.84	104	588529	5.678	ug/L	100
56) Isopropylbenzene	12.13	105	1077558	5.745	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.38	83	77893	5.119	ug/L	100
59) 1,2,3-Trichloropropane	12.43	75	55308	5.043	ug/L	100
61) Bromoform	12.01	173	43890	4.748	ug/L	100
62) 1,3-Dichlorobenzene	13.16	146	305466	4.982	ug/L	100
63) 1,4-Dichlorobenzene	13.24	146	338867	4.841	ug/L	100
65) 1,2-Dichlorobenzene	13.53	146	264278	5.030	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.14	75	7950	4.714	ug/L	100
67) 1,3,5-Trichlorobenzene	14.29	180	194403	4.947	ug/L	100
68) 1,2,4-trichlorobenzene	14.79	180	105932	4.995	ug/L	100
69) Naphthalene	15.00	128	95101	4.997	ug/L	100
70) 1,2,3-Trichlorobenzene	15.18	180	79886	5.219	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 4.935 ug/L

RT: 1.82 min Scan# 24

Delta R.T. 0.00 min

Lab File: VR026306.D

Acq: 11 Feb 2019 13:16

Instrument :

MSVOA_R

ClientSampleId :

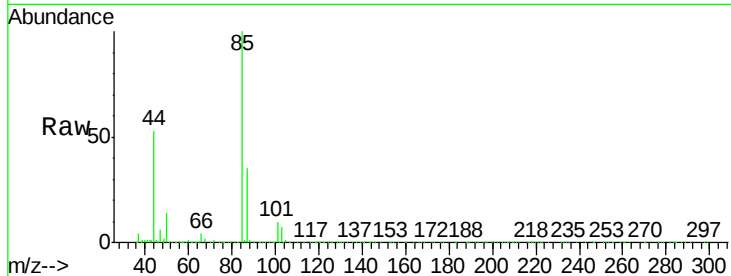
VSTD00583

Tgt Ion: 85 Resp: 246004

Ion Ratio Lower Upper

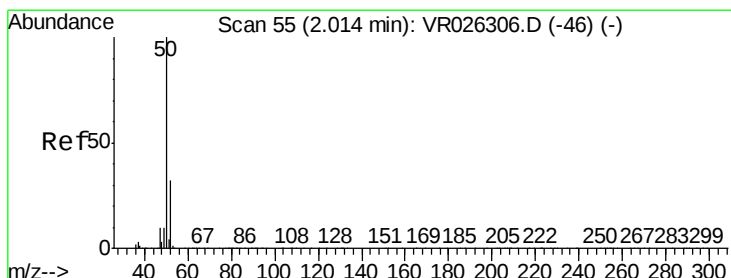
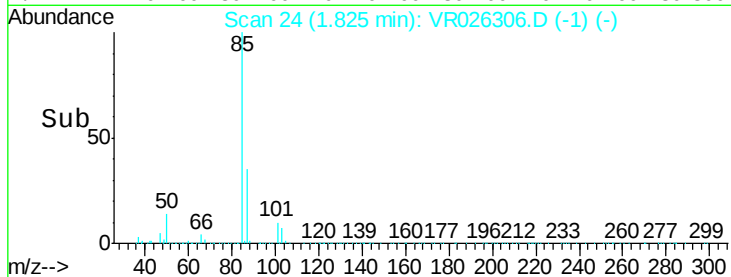
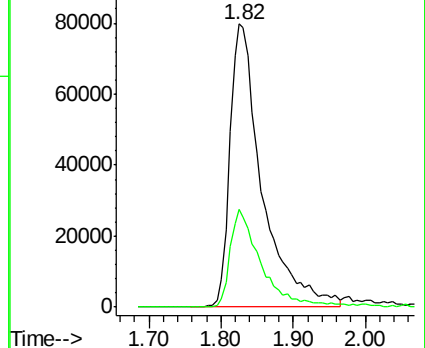
85 100

87 32.7 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 5.083 ug/L

RT: 2.01 min Scan# 55

Delta R.T. 0.00 min

Lab File: VR026306.D

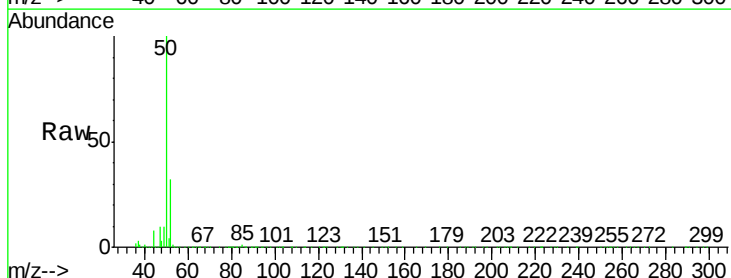
Acq: 11 Feb 2019 13:16

Tgt Ion: 50 Resp: 289341

Ion Ratio Lower Upper

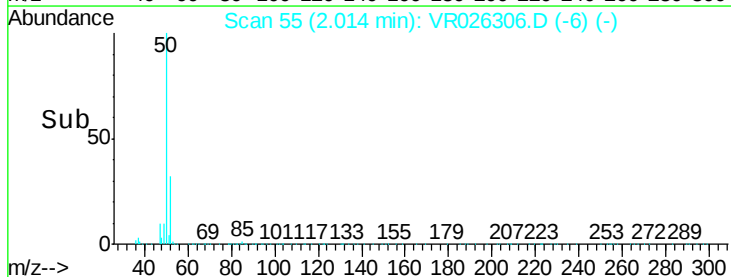
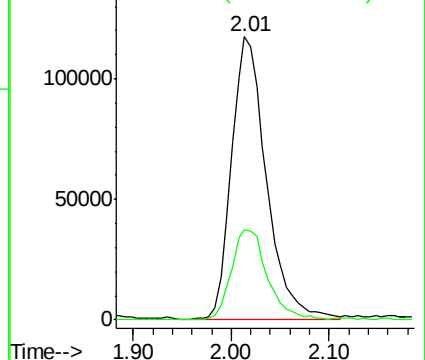
50 100

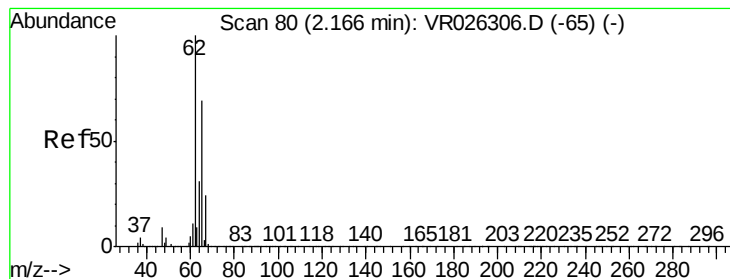
52 31.9 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 5.110 ug/L

RT: 2.17 min Scan# 80

Delta R.T. 0.00 min

Lab File: VR026306.D

Acq: 11 Feb 2019 13:16

Instrument :

MSVOA_R

ClientSampled :

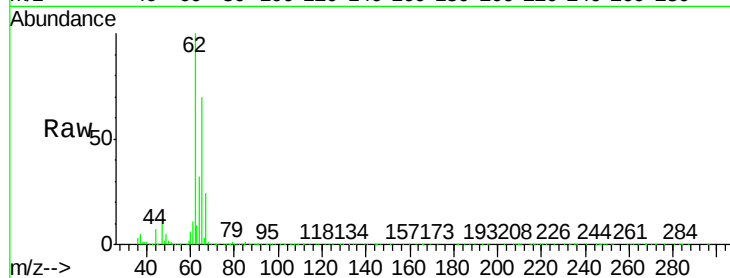
VSTD00583

Tgt Ion: 62 Resp: 293016

Ion Ratio Lower Upper

62 100

64 31.7 22.2 41.2



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0

2.17

100000

80000

60000

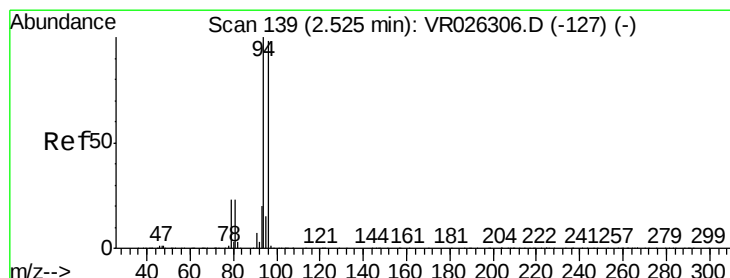
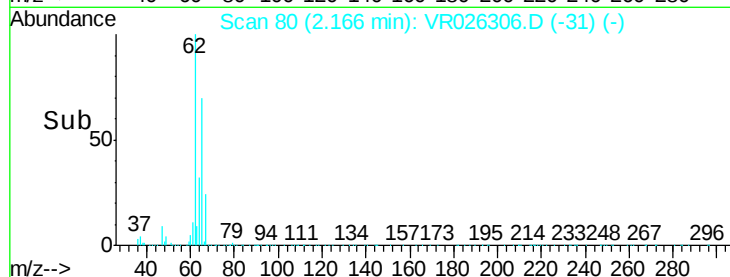
40000

20000

0

Time-->

2.00 2.10 2.20 2.30 2.40



#6

Bromomethane

Concen: 5.103 ug/L

RT: 2.52 min Scan# 139

Delta R.T. 0.00 min

Lab File: VR026306.D

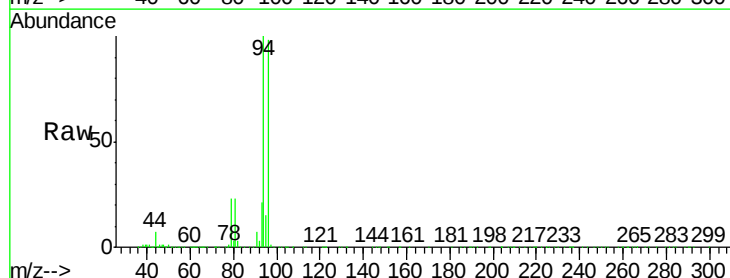
Acq: 11 Feb 2019 13:16

Tgt Ion: 94 Resp: 188203

Ion Ratio Lower Upper

94 100

96 98.0 68.6 127.4



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0

2.52

80000

60000

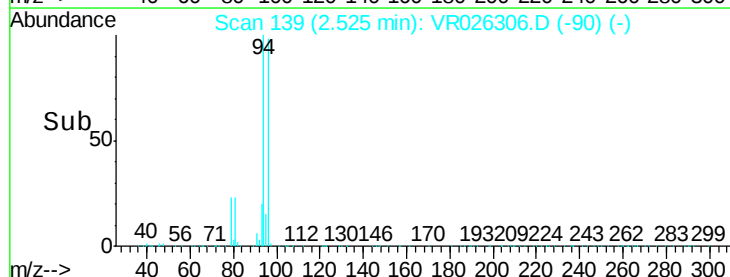
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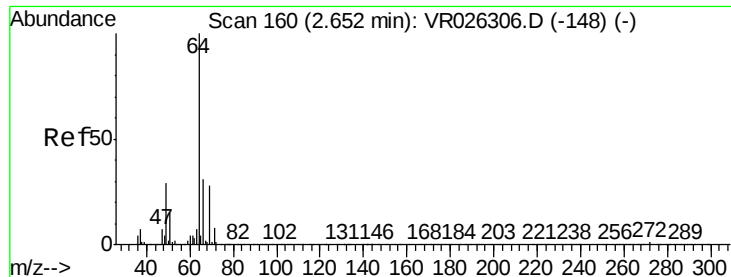
20000

0

Time-->

2.40 2.50 2.60 2.70





#8

Chloroethane

Concen: 5.091 ug/L

RT: 2.65 min Scan# 160

Delta R.T. 0.00 min

Lab File: VR026306.D

Acq: 11 Feb 2019 13:16

Instrument :

MSVOA_R

ClientSampleId :

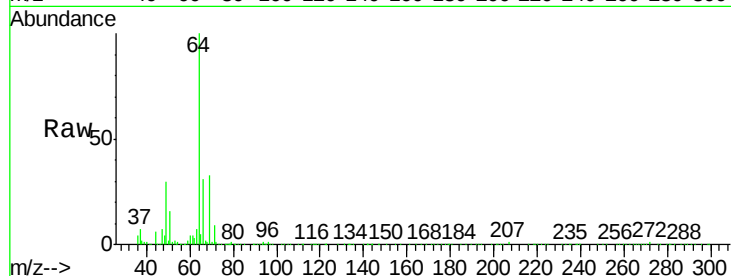
VSTD00583

Tgt Ion: 64 Resp: 175392

Ion Ratio Lower Upper

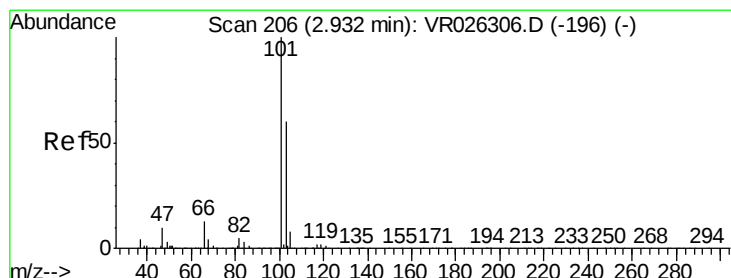
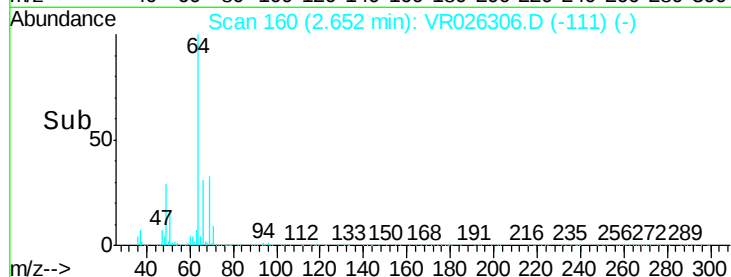
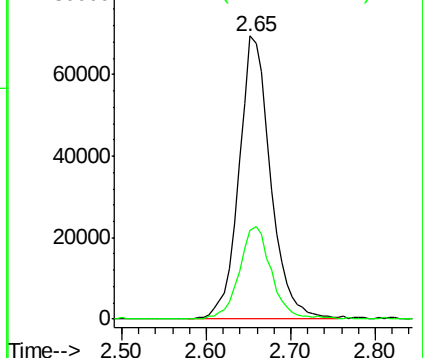
64 100

66 31.4 22.0 40.8



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0



#9

Trichlorofluoromethane

Concen: 4.980 ug/L

RT: 2.93 min Scan# 206

Delta R.T. 0.00 min

Lab File: VR026306.D

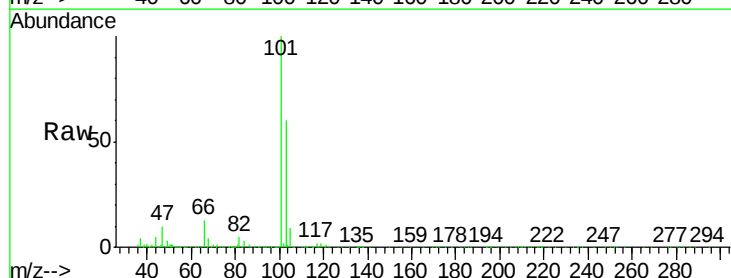
Acq: 11 Feb 2019 13:16

Tgt Ion: 101 Resp: 465474

Ion Ratio Lower Upper

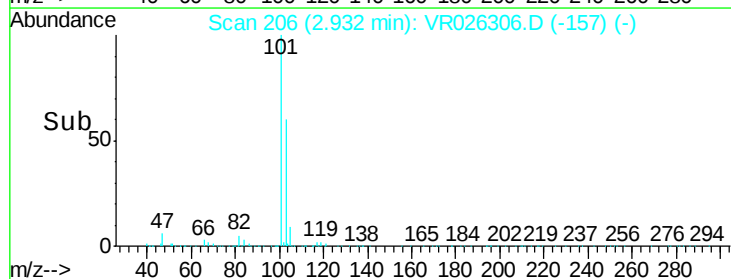
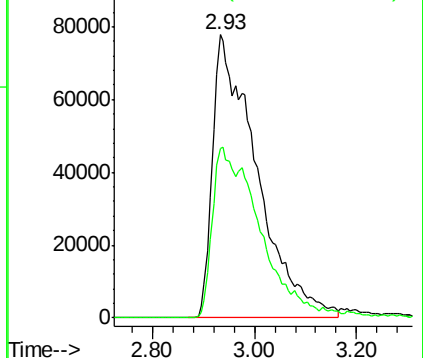
101 100

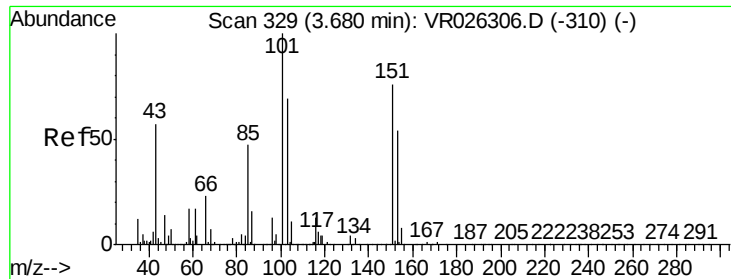
103 29.4 23.5 35.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 4.853 ug/L

RT: 3.68 min Scan# 329

Delta R.T. 0.00 min

Lab File: VR026306.D

Acq: 11 Feb 2019 13:16

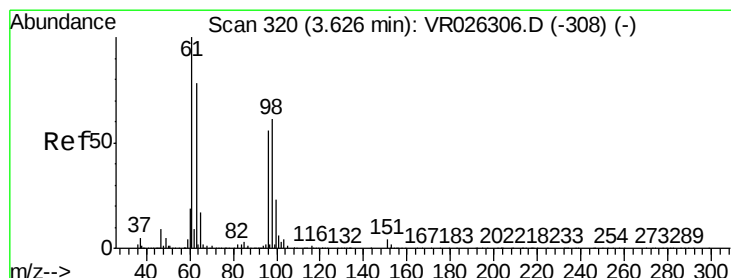
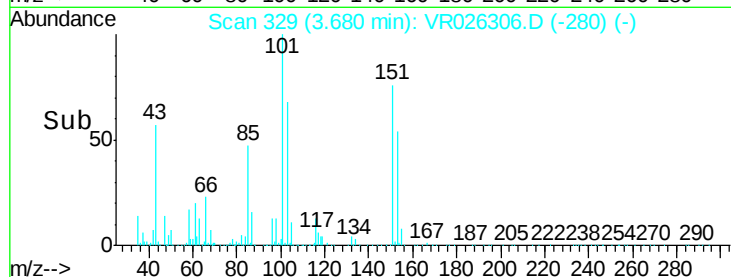
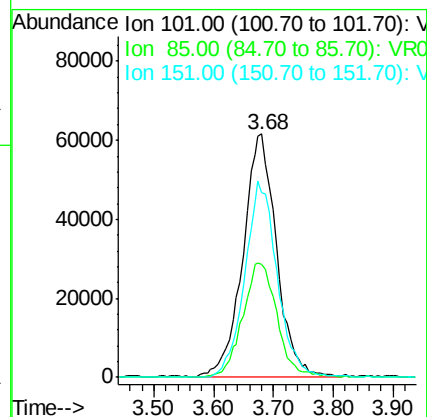
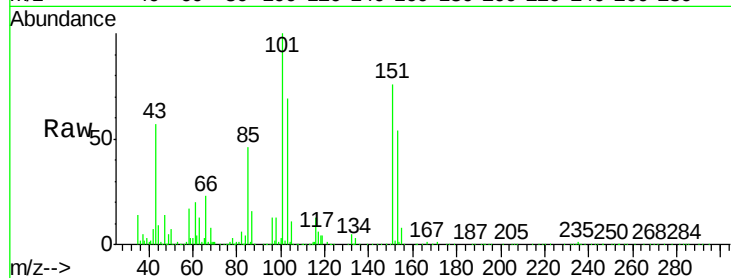
Instrument :

MSVOA_R

ClientSampleId :

VSTD00583

Tgt Ion:	101	Resp:	238357
Ion Ratio	Lower	Upper	
101	100		
85	48.8	39.0	58.6
151	78.9	63.1	94.7



#12

1,1-Dichloroethene

Concen: 5.021 ug/L

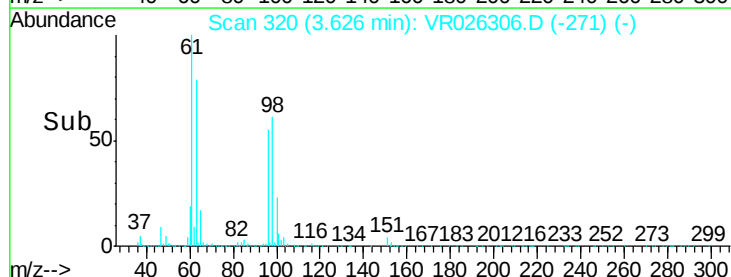
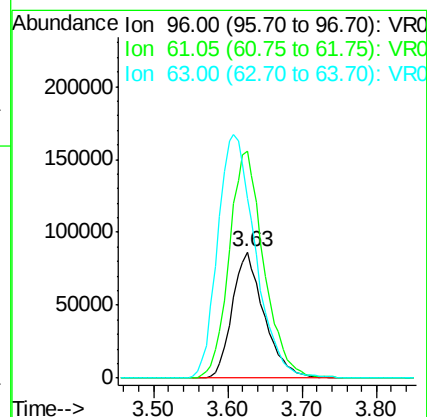
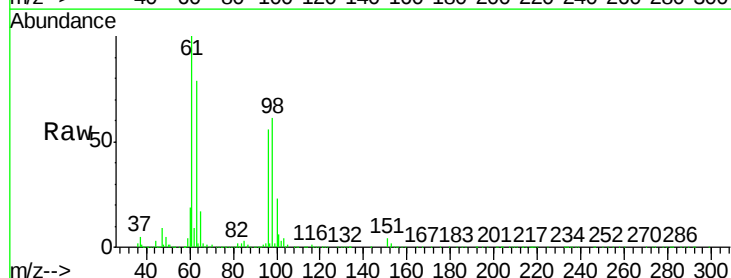
RT: 3.63 min Scan# 320

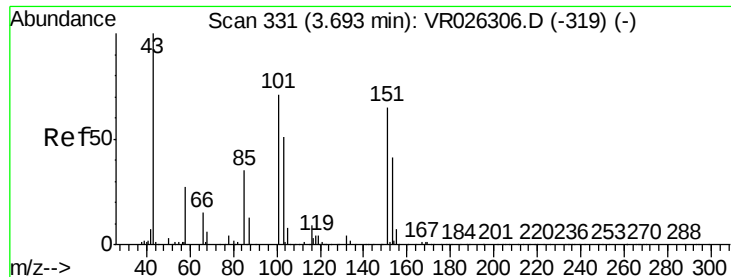
Delta R.T. 0.00 min

Lab File: VR026306.D

Acq: 11 Feb 2019 13:16

Tgt Ion:	96	Resp:	259523
Ion Ratio	Lower	Upper	
96	100		
61	180.0	126.0	234.0
63	142.4	99.7	185.1





#13

Acetone

Concen: 49.631 ug/L

RT: 3.69 min Scan# 331

Delta R.T. 0.00 min

Lab File: VR026306.D

Acq: 11 Feb 2019 13:16

Instrument :

MSVOA_R

ClientSampleId :

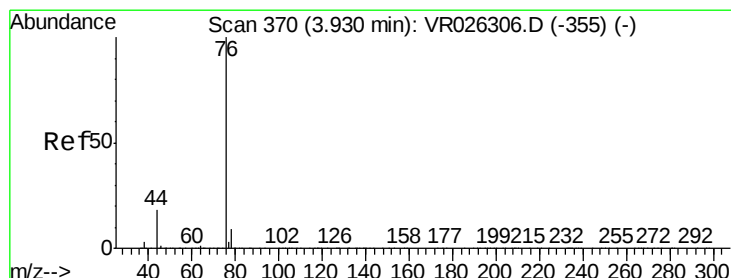
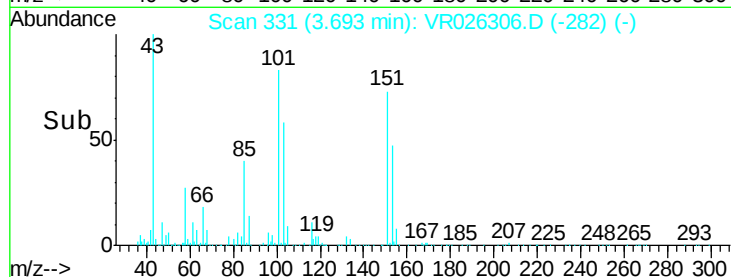
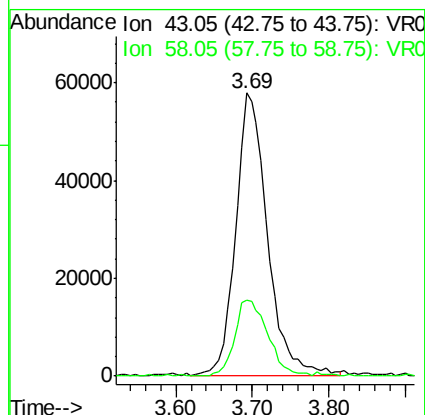
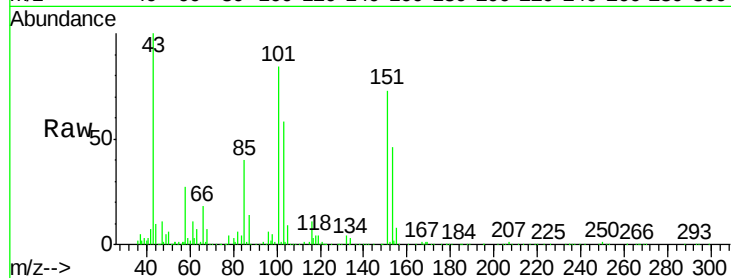
VSTD00583

Tgt Ion: 43 Resp: 164641

Ion Ratio Lower Upper

43 100

58 28.3 0.0 56.6



#14

Carbon disulfide

Concen: 5.090 ug/L

RT: 3.93 min Scan# 370

Delta R.T. 0.00 min

Lab File: VR026306.D

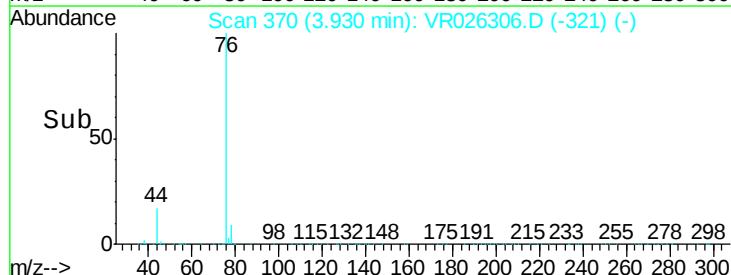
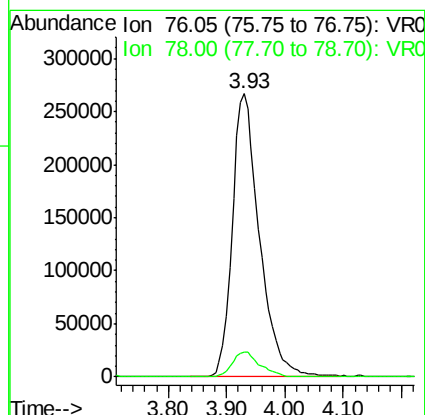
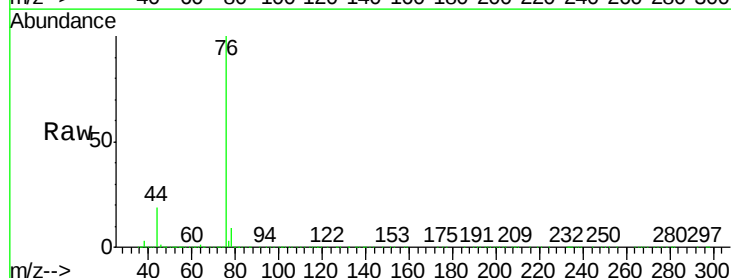
Acq: 11 Feb 2019 13:16

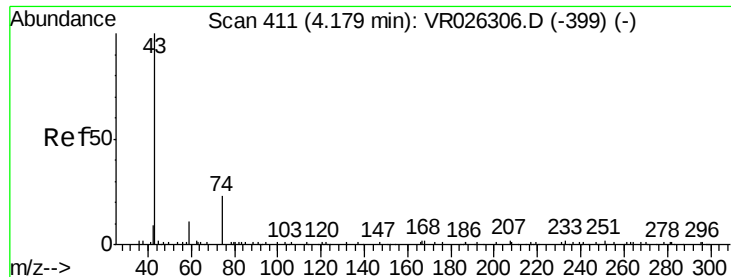
Tgt Ion: 76 Resp: 860273

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8

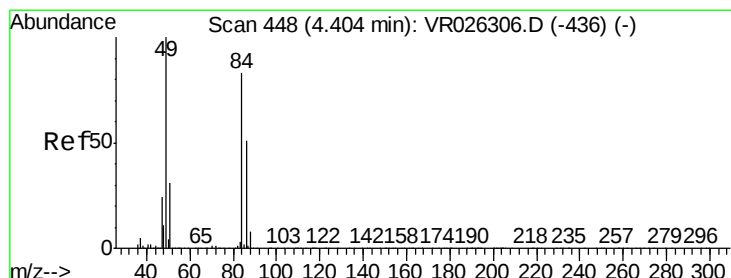
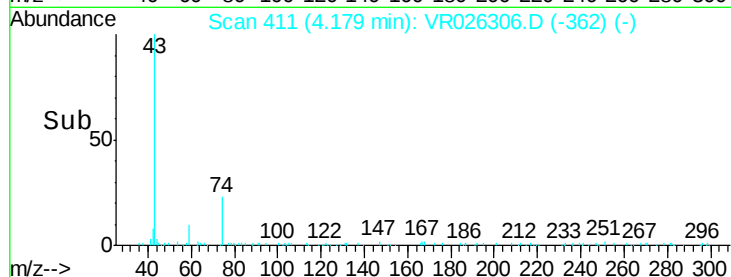
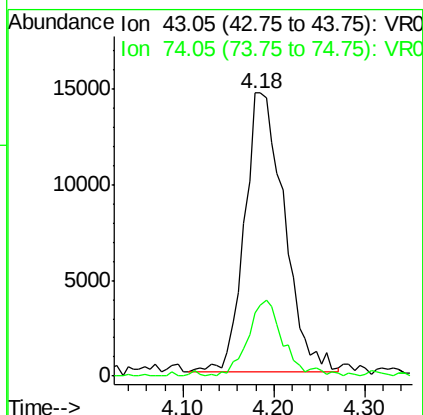
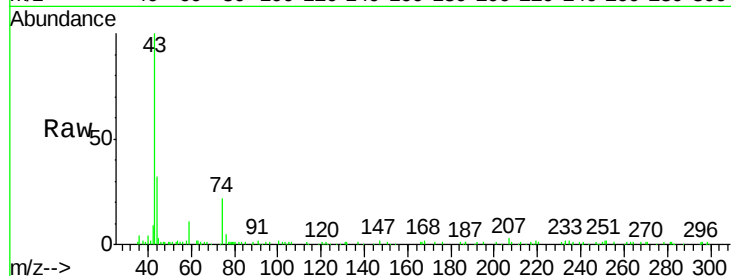




#15
Methyl Acetate
Concen: 4.849 ug/L
RT: 4.18 min Scan# 411
Delta R.T. 0.00 min
Lab File: VR026306.D
Acq: 11 Feb 2019 13:16

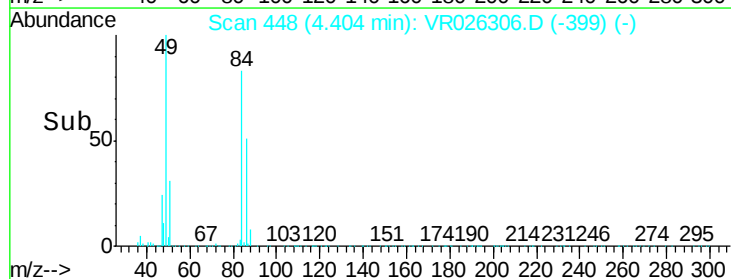
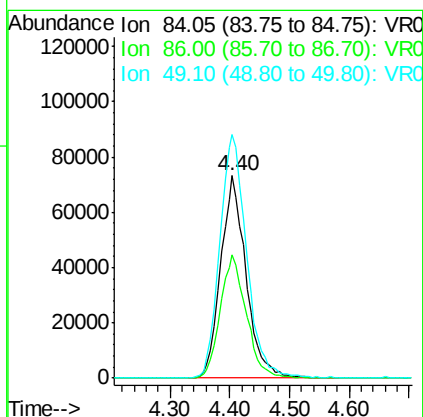
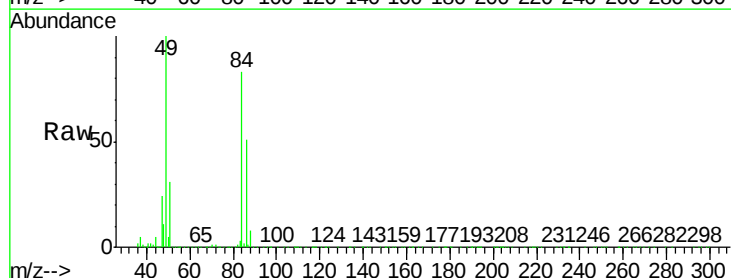
Instrument :
MSVOA_R
ClientSampleId :
VSTD00583

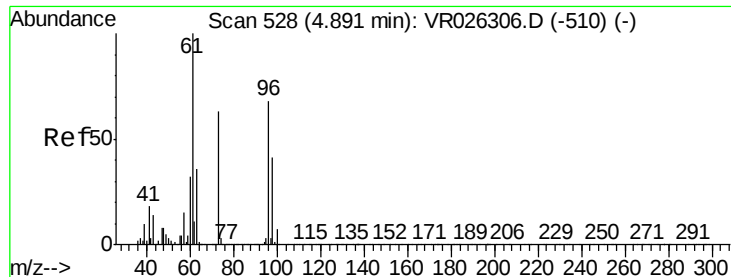
Tgt Ion: 43 Resp: 44153
Ion Ratio Lower Upper
43 100
74 23.0 18.4 27.6



#16
Methylene chloride
Concen: 4.953 ug/L
RT: 4.40 min Scan# 448
Delta R.T. 0.00 min
Lab File: VR026306.D
Acq: 11 Feb 2019 13:16

Tgt Ion: 84 Resp: 216768
Ion Ratio Lower Upper
84 100
86 60.9 42.6 79.2
49 120.3 84.2 156.4



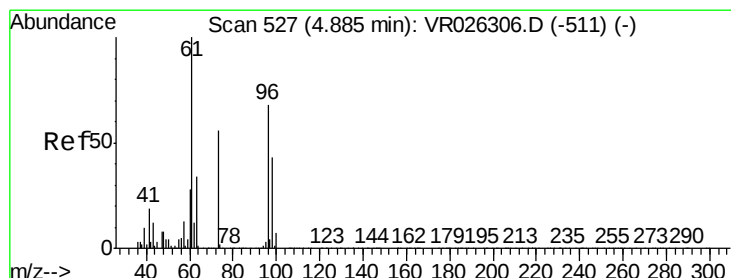
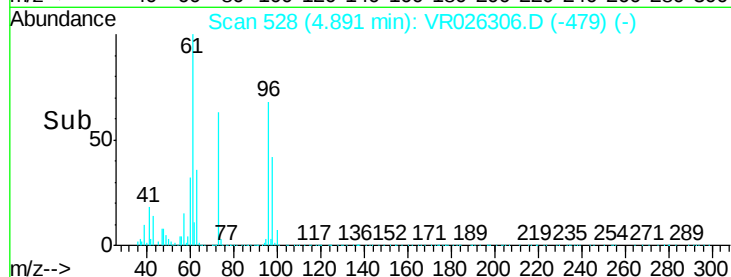
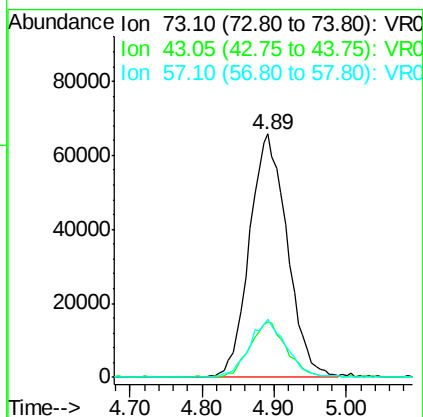
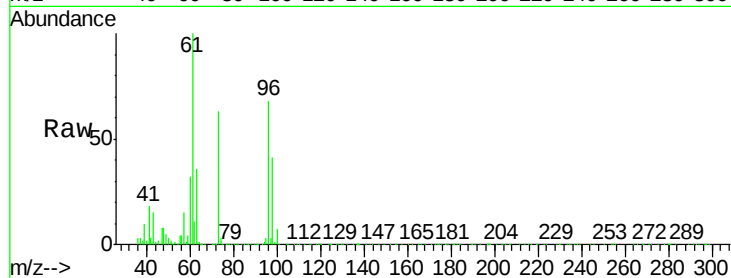


#17

Methyl tert-butyl Ether
 Concen: 5.227 ug/L
 RT: 4.89 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VR026306.D
 Acq: 11 Feb 2019 13:16

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00583

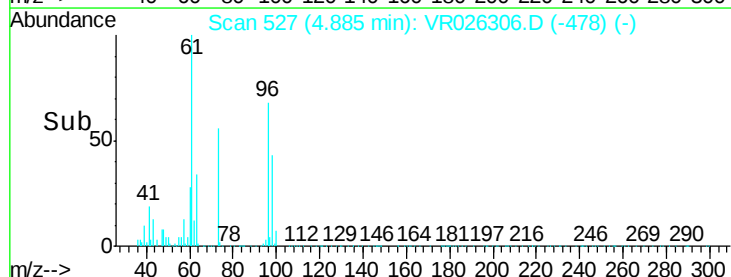
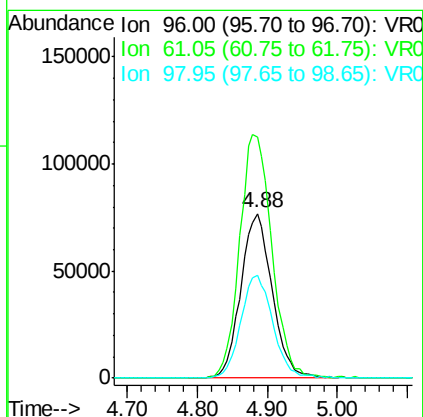
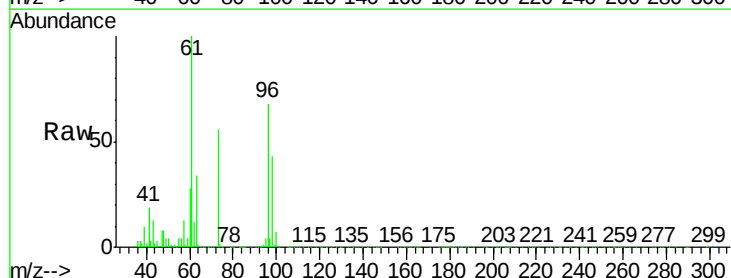
Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.9	17.5	26.3
57	23.3	18.6	28.0

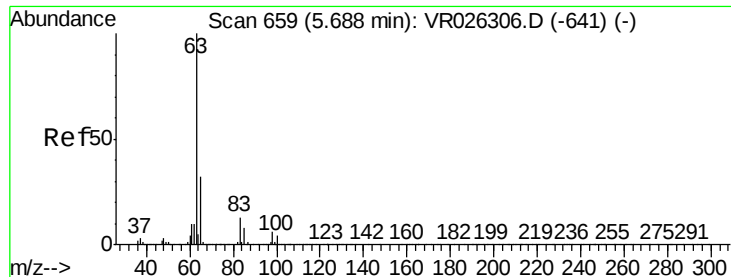


#18

trans-1,2-Dichloroethene
 Concen: 5.116 ug/L
 RT: 4.88 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VR026306.D
 Acq: 11 Feb 2019 13:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.4	102.5	190.3
98	62.7	43.9	81.5

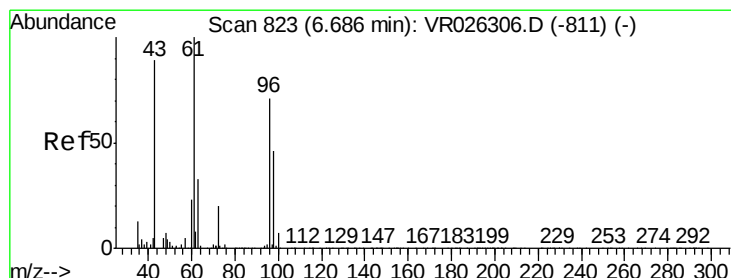
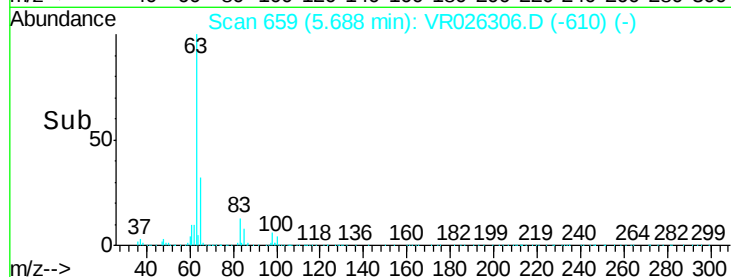
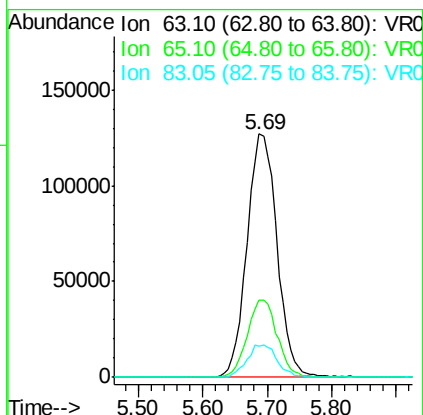
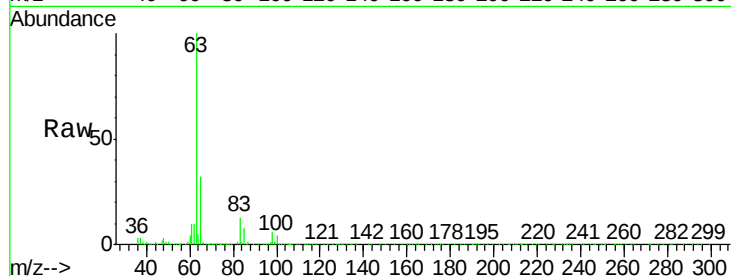




#19
 1,1-Dichloroethane
 Concen: 5.029 ug/L
 RT: 5.69 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VR026306.D
 Acq: 11 Feb 2019 13:16

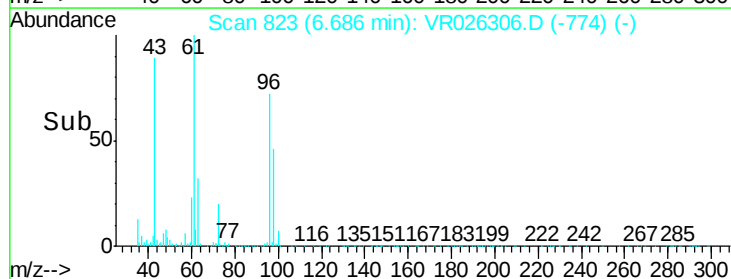
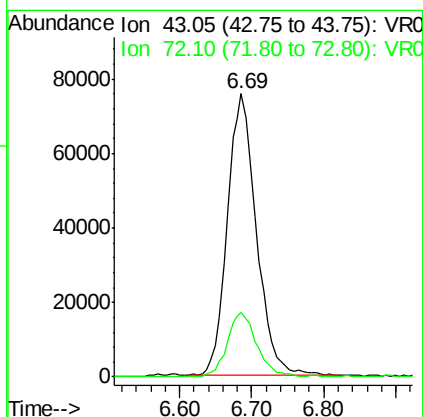
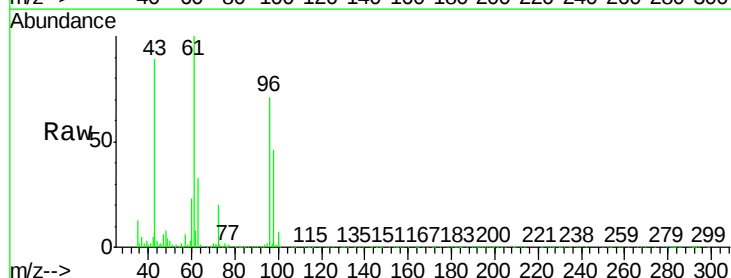
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00583

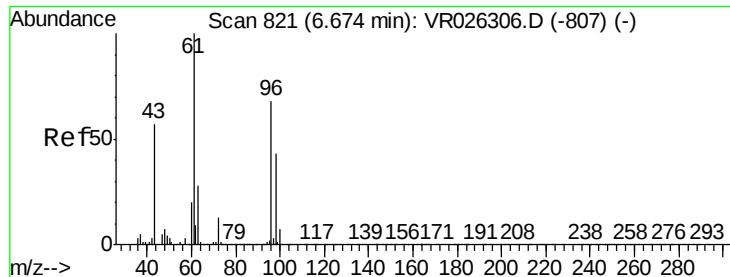
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.8	22.3	41.3
83	12.7	8.9	16.5



#21
 2-Butanone
 Concen: 56.572 ug/L
 RT: 6.69 min Scan# 823
 Delta R.T. 0.00 min
 Lab File: VR026306.D
 Acq: 11 Feb 2019 13:16

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.4	11.7	35.1



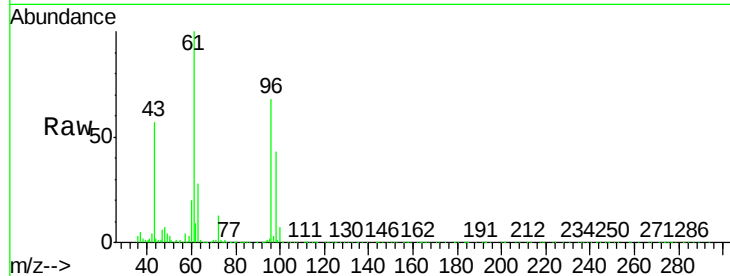


#22

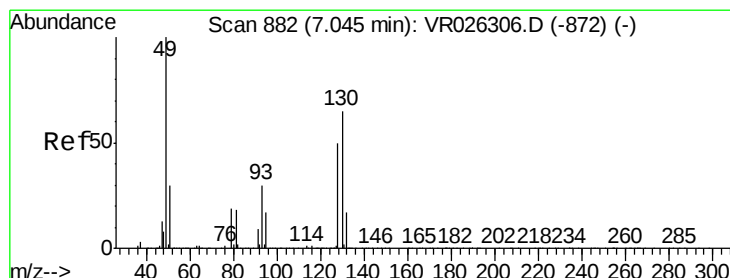
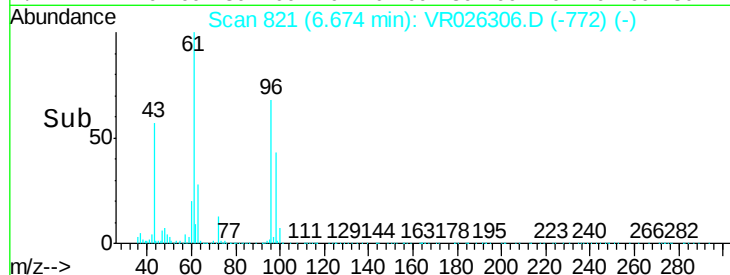
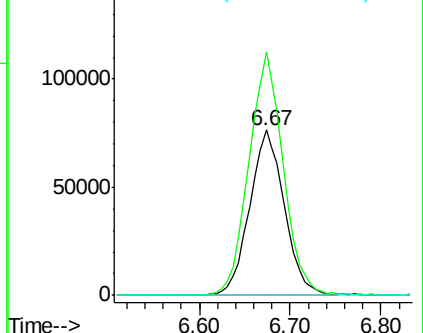
cis-1,2-Dichloroethene
Concen: 5.331 ug/L
RT: 6.67 min Scan# 821
Delta R.T. 0.00 min
Lab File: VR026306.D
Acq: 11 Feb 2019 13:16

Instrument :
MSVOA_R
ClientSampleId :
VSTD00583

Tgt Ion: 96 Resp: 201718
Ion Ratio Lower Upper
96 100
61 147.6 103.3 191.9
68 0.2 0.1 0.3



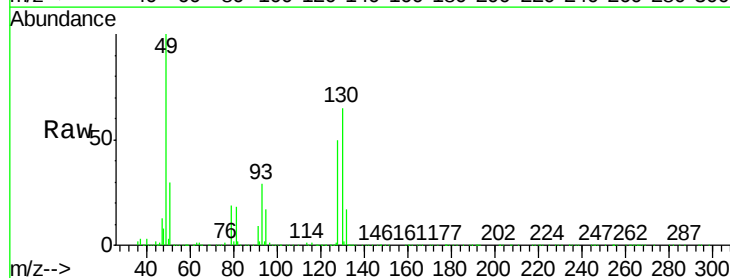
Abundance Ion 96.00 (95.70 to 96.70): VR0
Ion 61.05 (60.75 to 61.75): VR0
Ion 68.15 (67.85 to 68.85): VR0



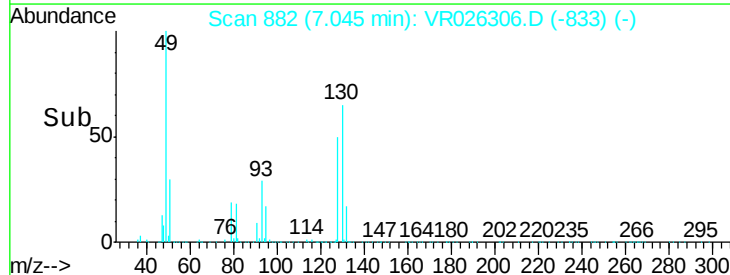
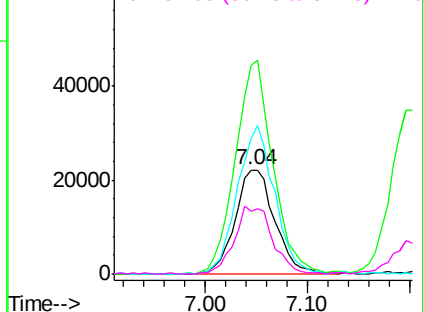
#23

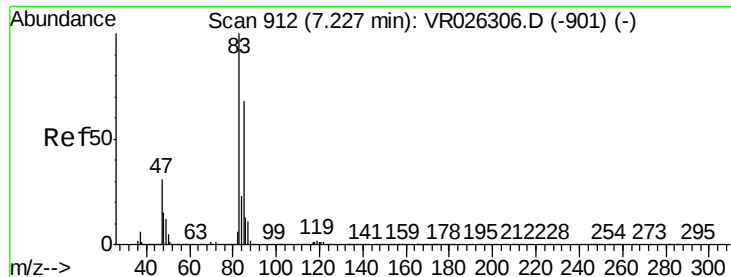
Bromochloromethane
Concen: 5.044 ug/L
RT: 7.04 min Scan# 882
Delta R.T. 0.00 min
Lab File: VR026306.D
Acq: 11 Feb 2019 13:16

Tgt Ion: 128 Resp: 59542
Ion Ratio Lower Upper
128 100
49 200.9 140.6 261.2
130 130.1 91.1 169.1
51 60.8 48.6 73.0



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: 5.044 ug/L

RT: 7.23 min Scan# 912

Delta R.T. 0.00 min

Lab File: VR026306.D

Acq: 11 Feb 2019 13:16

Instrument :

MSVOA_R

ClientSampleId :

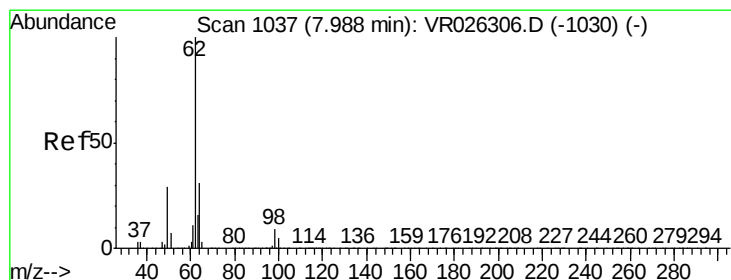
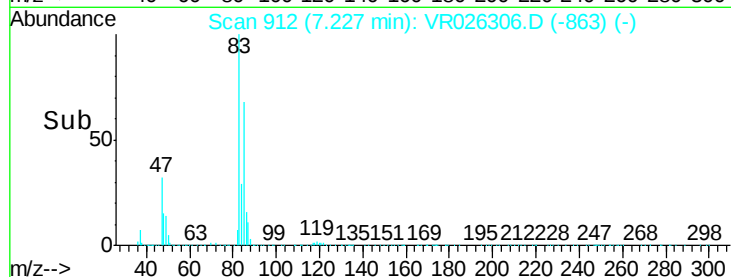
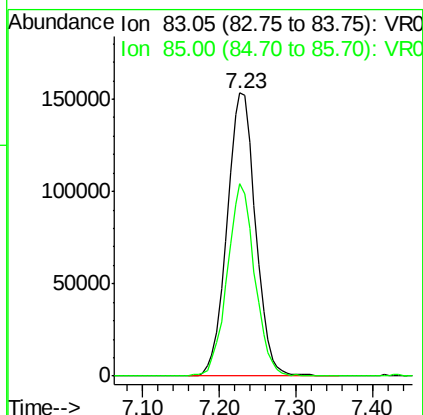
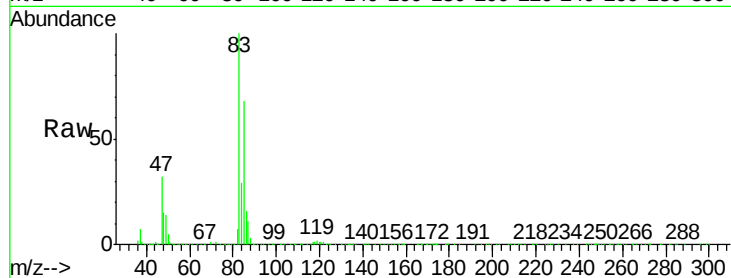
VSTD00583

Tgt Ion: 83 Resp: 394601

Ion Ratio Lower Upper

83 100

85 68.0 47.6 88.4



#27

1,2-Dichloroethane

Concen: 5.122 ug/L

RT: 7.99 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VR026306.D

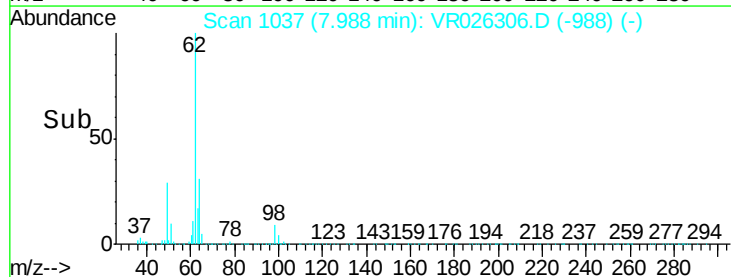
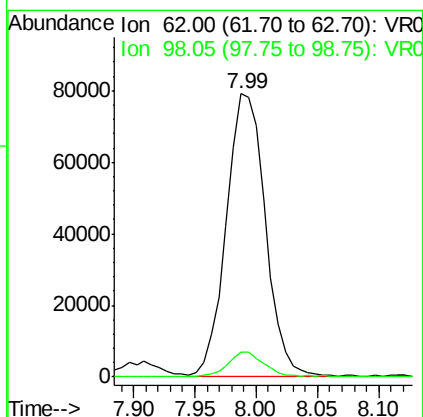
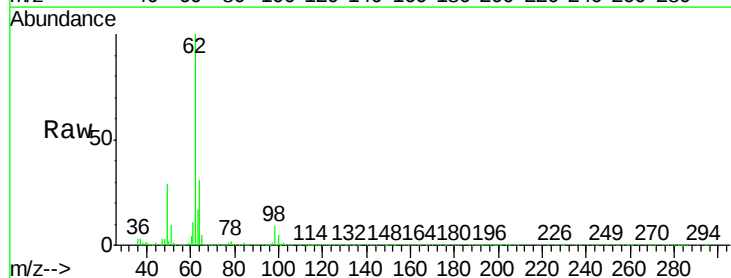
Acq: 11 Feb 2019 13:16

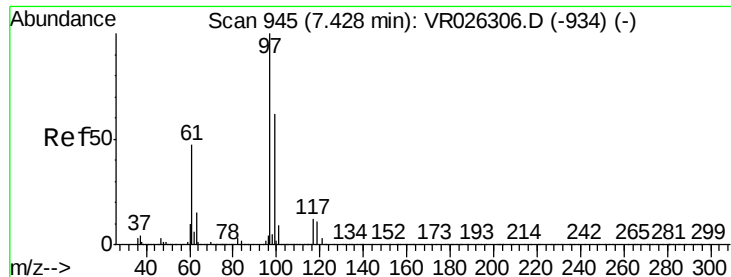
Tgt Ion: 62 Resp: 173340

Ion Ratio Lower Upper

62 100

98 8.8 7.0 10.6





#29

1,1,1-Trichloroethane

Concen: 4.934 ug/L

RT: 7.43 min Scan# 945

Delta R.T. 0.00 min

Lab File: VR026306.D

Acq: 11 Feb 2019 13:16

Instrument :

MSVOA_R

ClientSampleId :

VSTD00583

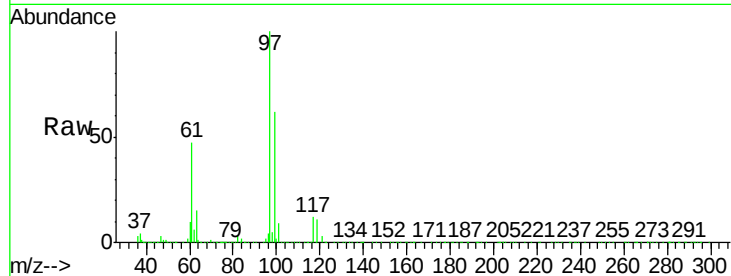
Tgt Ion: 97 Resp: 374060

Ion Ratio Lower Upper

97 100

99 65.1 52.1 78.1

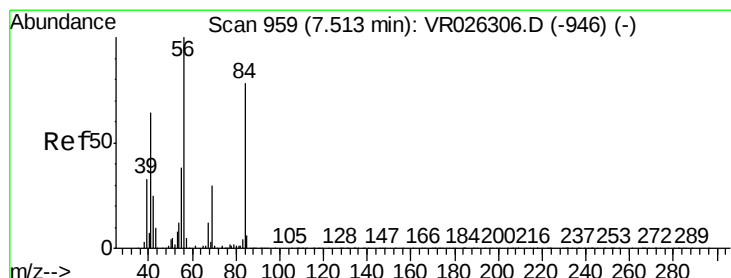
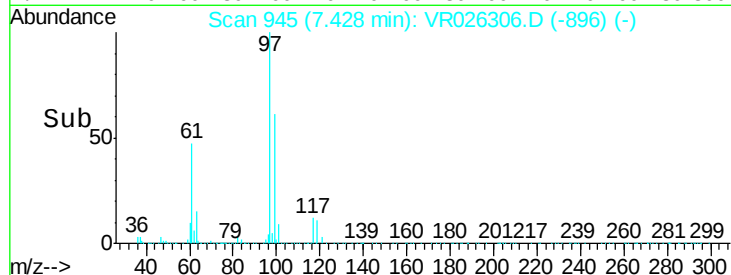
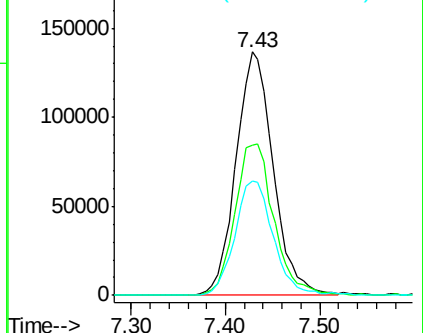
61 48.9 39.1 58.7



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: 5.604 ug/L

RT: 7.51 min Scan# 959

Delta R.T. 0.00 min

Lab File: VR026306.D

Acq: 11 Feb 2019 13:16

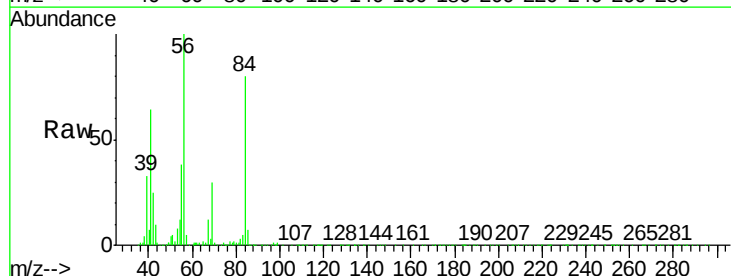
Tgt Ion: 56 Resp: 340130

Ion Ratio Lower Upper

56 100

69 29.3 23.4 35.2

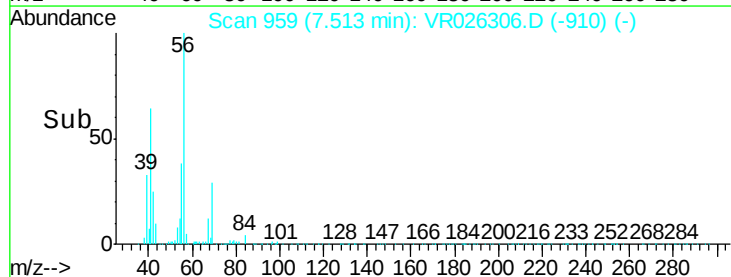
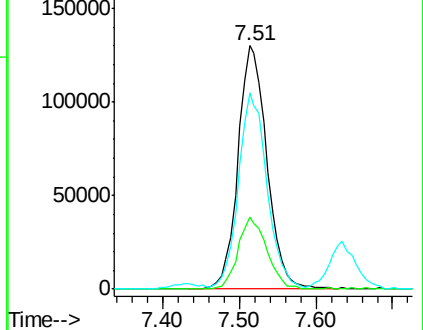
84 79.7 63.8 95.6

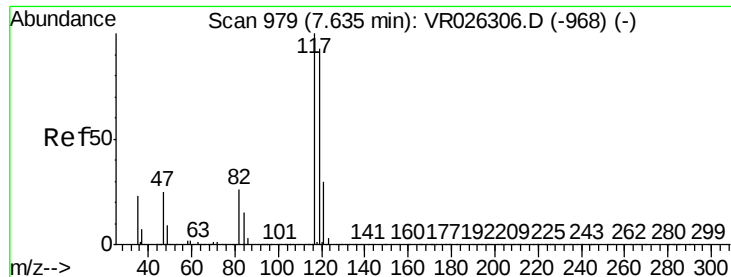


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 4.926 ug/L

RT: 7.63 min Scan# 979

Delta R.T. 0.00 min

Lab File: VR026306.D

Acq: 11 Feb 2019 13:16

Instrument :

MSVOA_R

ClientSampleId :

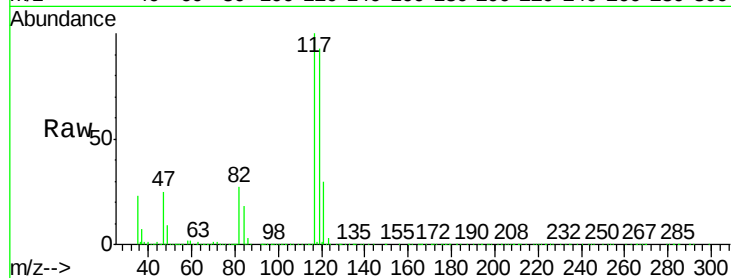
VSTD00583

Tgt Ion:117 Resp: 346119

Ion Ratio Lower Upper

117 100

119 94.4 75.5 113.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

7.63

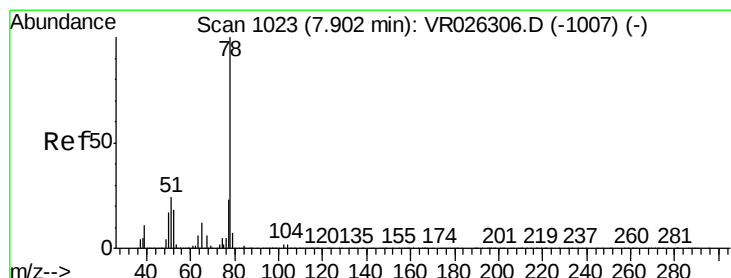
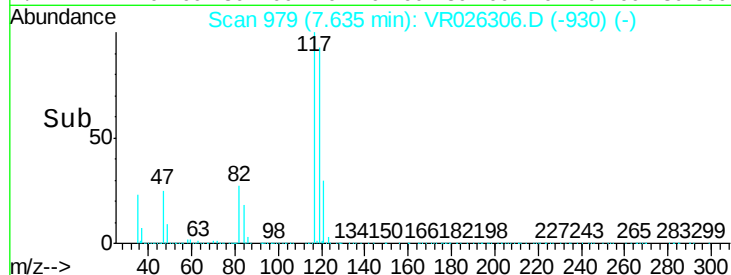
150000

100000

50000

0

Time-->



#33

Benzene

Concen: 5.160 ug/L

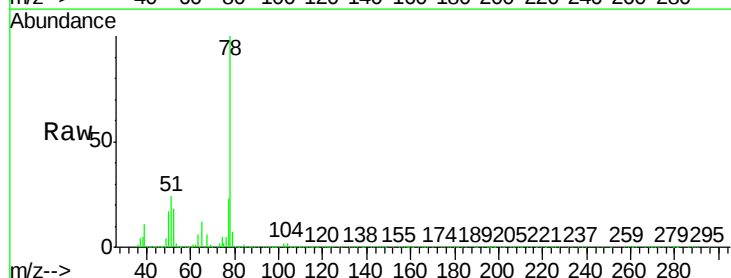
RT: 7.90 min Scan# 1023

Delta R.T. 0.00 min

Lab File: VR026306.D

Acq: 11 Feb 2019 13:16

Tgt Ion: 78 Resp: 940239



Abundance Ion 78.10 (77.80 to 78.80): VR0

500000

400000

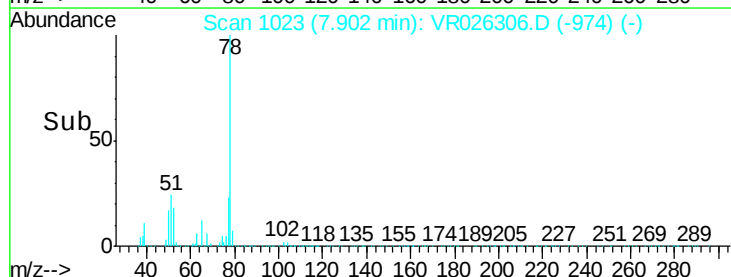
300000

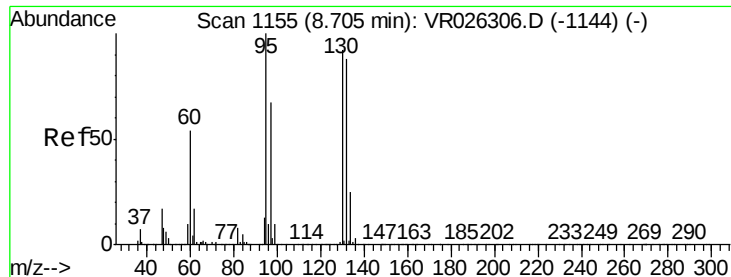
200000

100000

0

Time-->





#34

Trichloroethene

Concen: 4.850 ug/L

RT: 8.71 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VR026306.D

Acq: 11 Feb 2019 13:16

Instrument :

MSVOA_R

ClientSampleId :

VSTD00583

Tgt Ion: 95 Resp: 227857

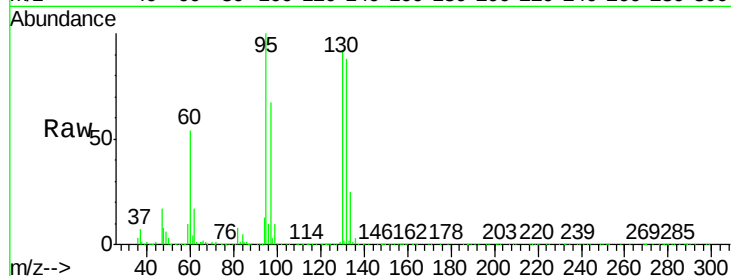
Ion Ratio Lower Upper

95 100

97 66.6 46.6 86.6

132 88.4 61.9 114.9

130 91.9 64.3 119.5

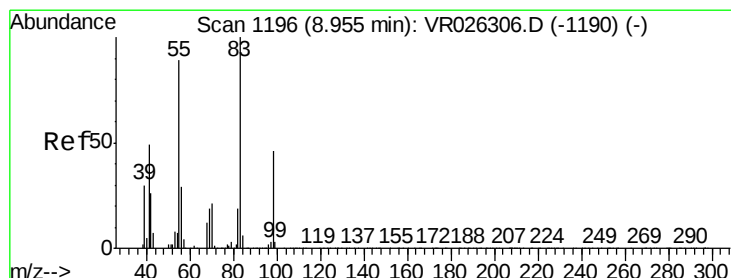
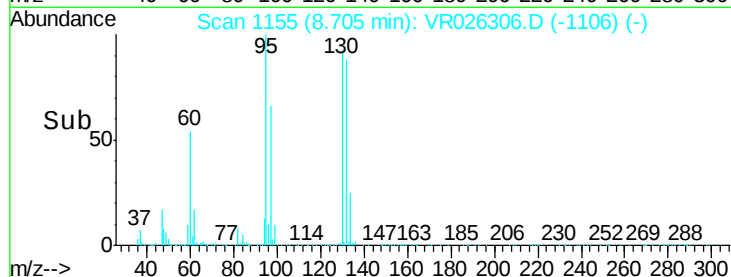
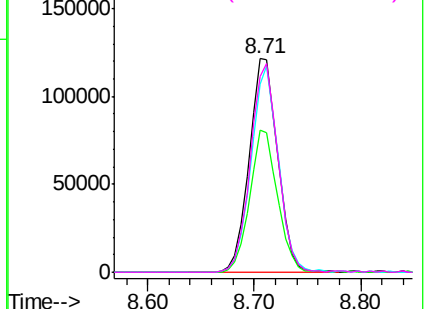


Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.460 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. 0.00 min

Lab File: VR026306.D

Acq: 11 Feb 2019 13:16

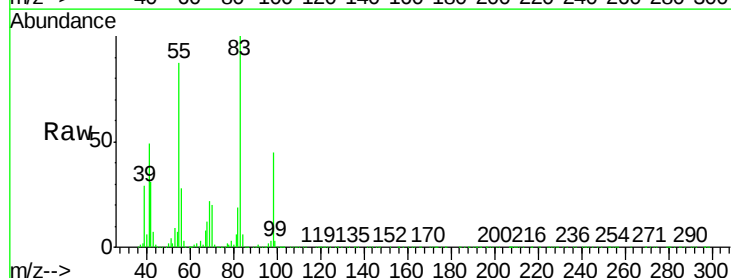
Tgt Ion: 83 Resp: 356713

Ion Ratio Lower Upper

83 100

55 86.0 68.8 103.2

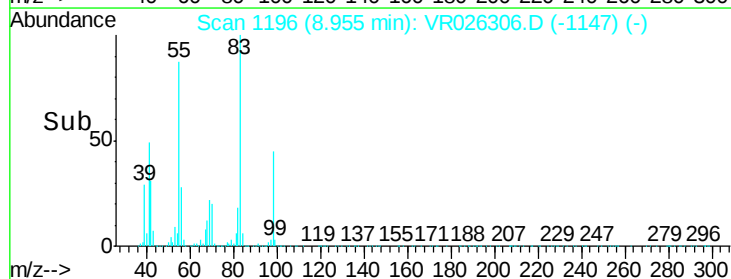
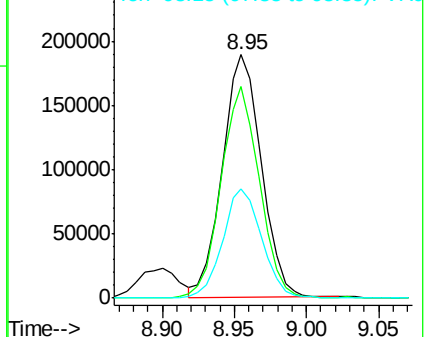
98 45.4 36.3 54.5

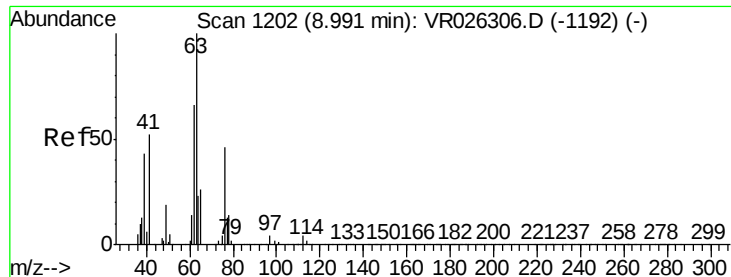


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

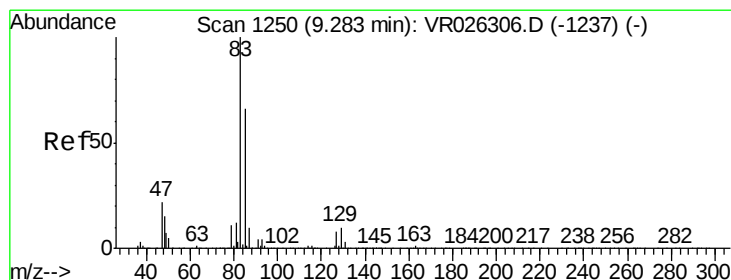
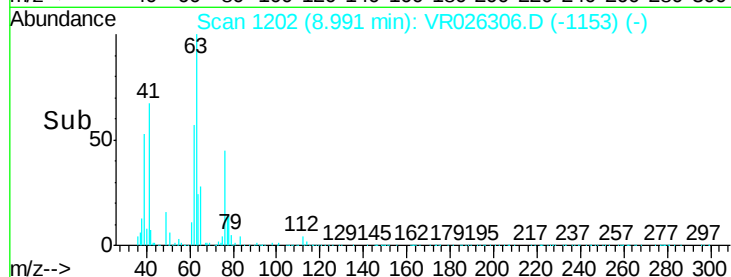
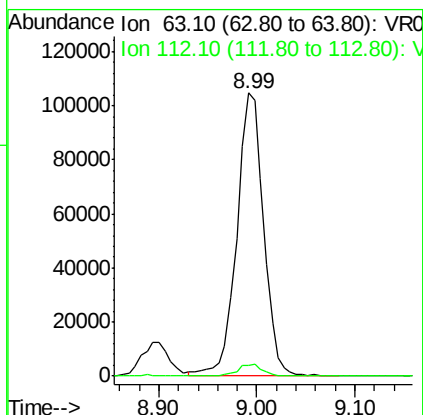
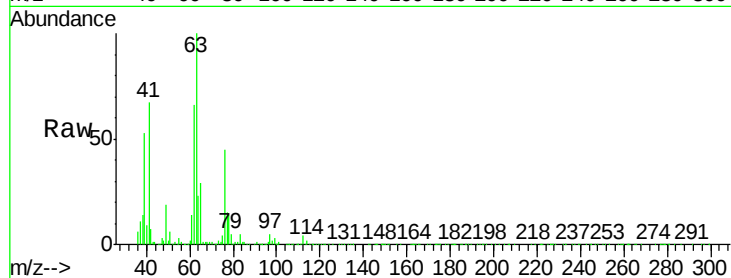




#37
 1,2-Dichloropropane
 Concen: 5.036 ug/L
 RT: 8.99 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VR026306.D
 Acq: 11 Feb 2019 13:16

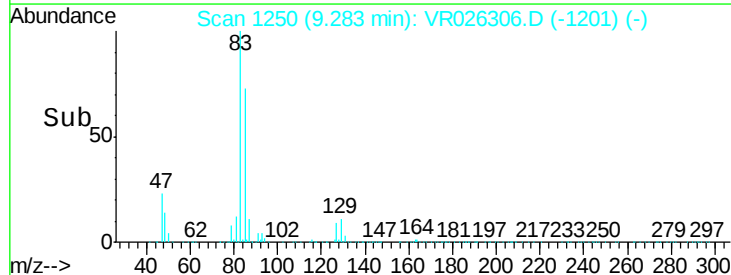
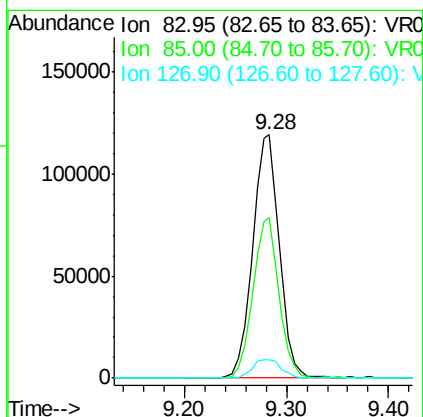
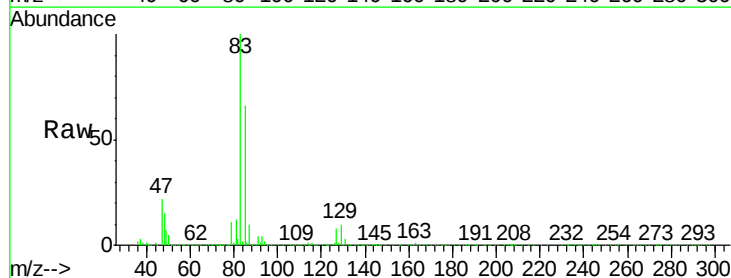
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00583

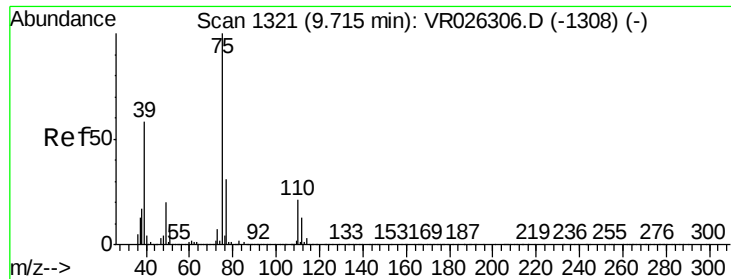
Tgt Ion: 63 Resp: 198138
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.3 4.9



#38
 Bromodichloromethane
 Concen: 4.951 ug/L
 RT: 9.28 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: VR026306.D
 Acq: 11 Feb 2019 13:16

Tgt Ion: 83 Resp: 217223
 Ion Ratio Lower Upper
 83 100
 85 66.1 46.3 85.9
 127 7.8 6.2 9.4

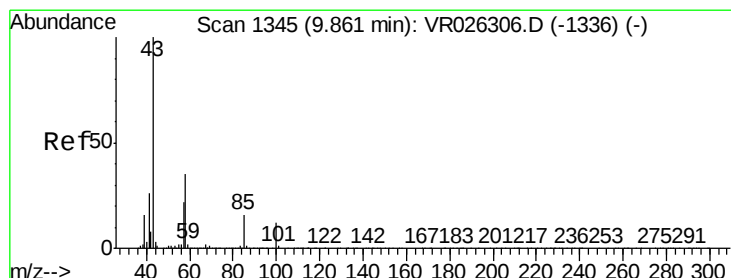
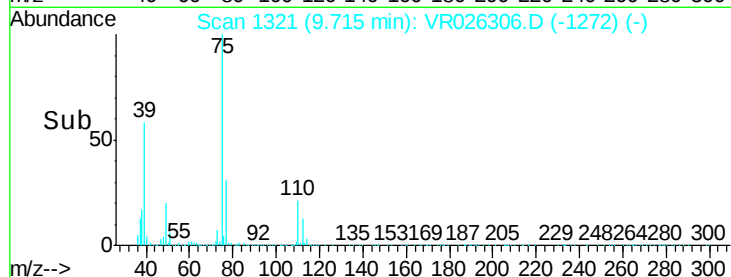
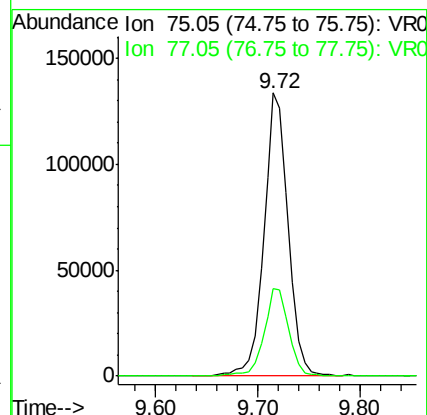
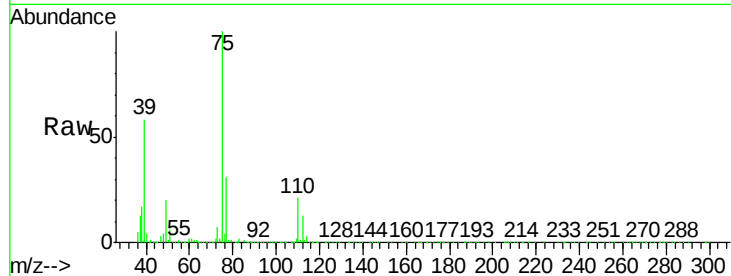




#39
 cis-1,3-Dichloropropene
 Concen: 5.432 ug/L
 RT: 9.72 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VR026306.D
 Acq: 11 Feb 2019 13:16

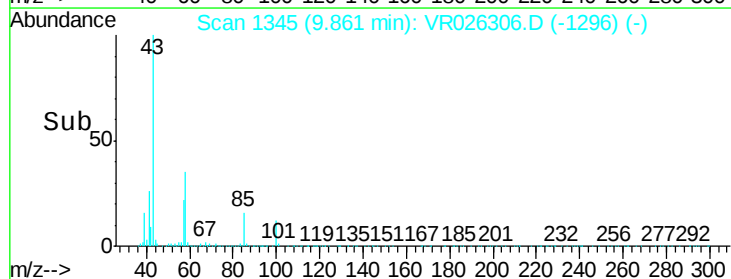
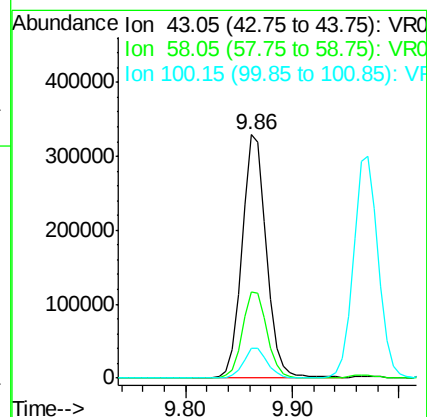
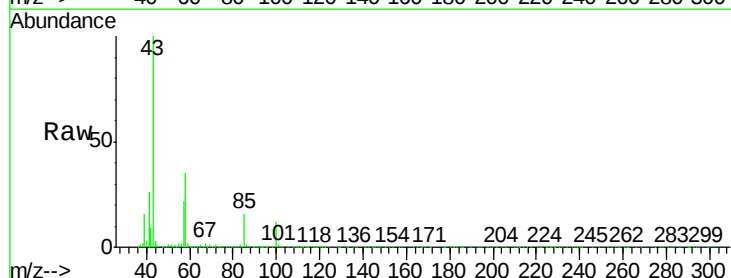
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00583

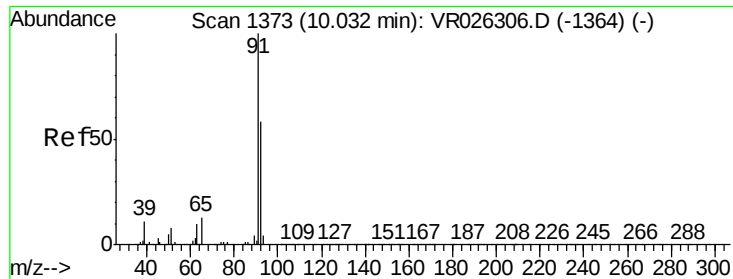
Tgt Ion: 75 Resp: 219902
 Ion Ratio Lower Upper
 75 100
 77 31.0 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 58.375 ug/L
 RT: 9.86 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: VR026306.D
 Acq: 11 Feb 2019 13:16

Tgt Ion: 43 Resp: 529412
 Ion Ratio Lower Upper
 43 100
 58 35.9 28.7 43.1
 100 12.2 9.8 14.6





#42

Toluene

Concen: 5.380 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. 0.00 min

Lab File: VR026306.D

Acq: 11 Feb 2019 13:16

Instrument :

MSVOA_R

ClientSampleId :

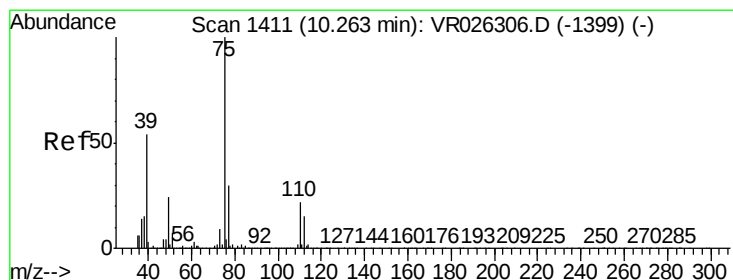
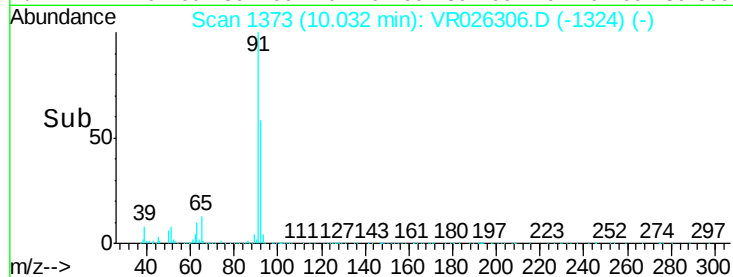
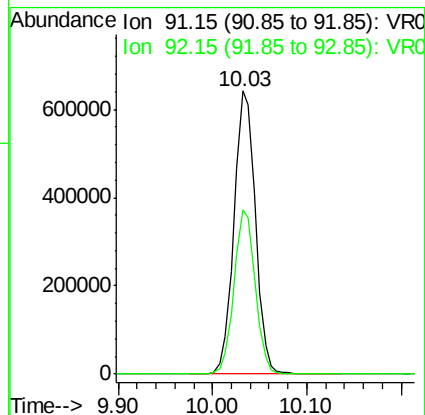
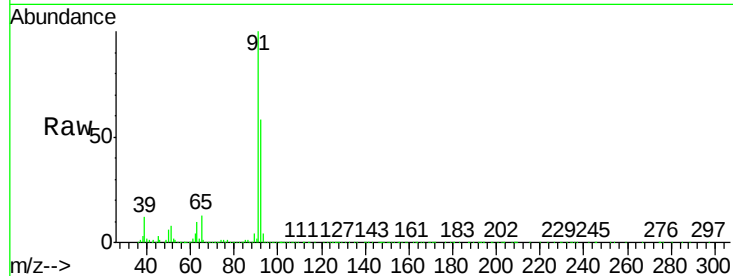
VSTD00583

Tgt Ion: 91 Resp: 1007569

Ion Ratio Lower Upper

91 100

92 58.3 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 5.307 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR026306.D

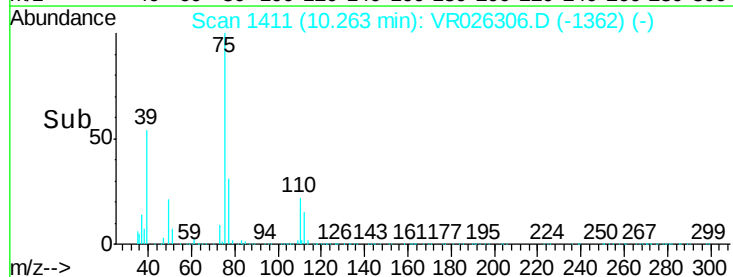
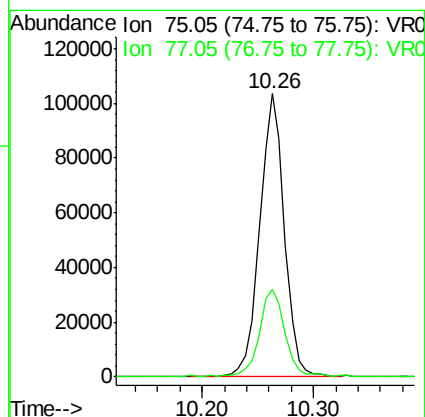
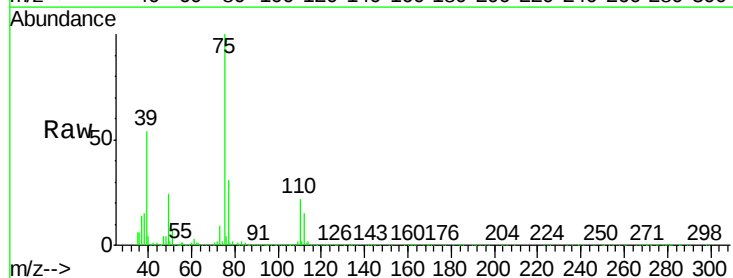
Acq: 11 Feb 2019 13:16

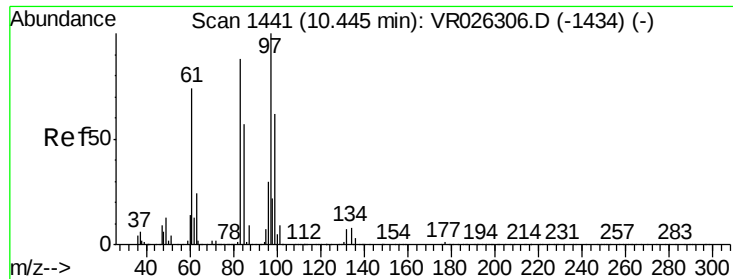
Tgt Ion: 75 Resp: 159381

Ion Ratio Lower Upper

75 100

77 30.9 21.6 40.2

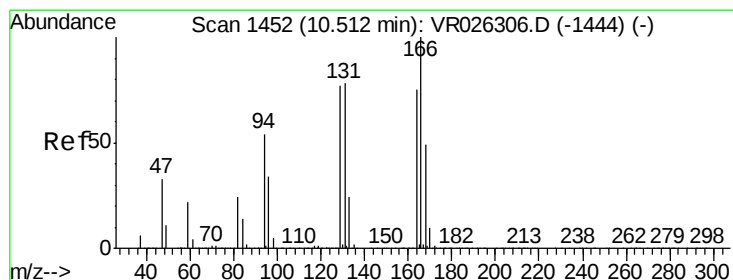
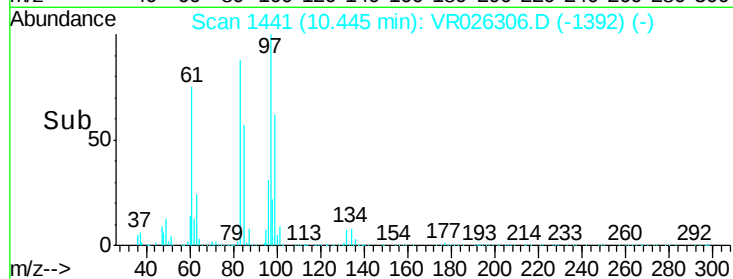
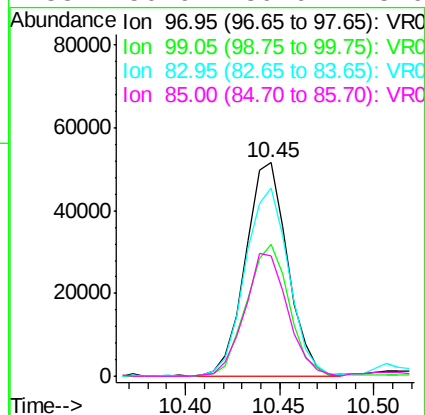
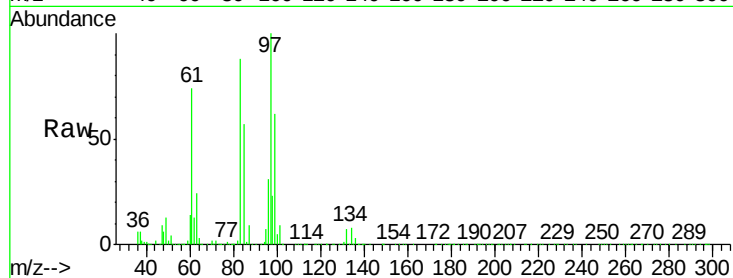




#45
 1,1,2-Trichloroethane
 Concen: 4.868 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VR026306.D
 Acq: 11 Feb 2019 13:16

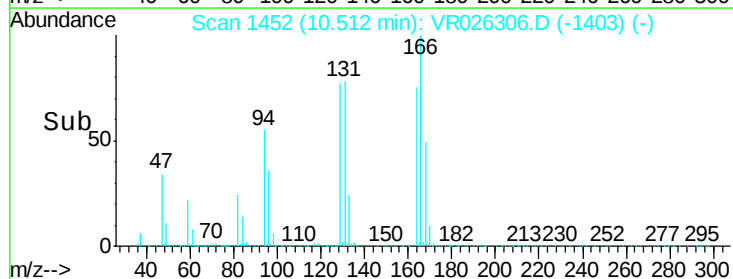
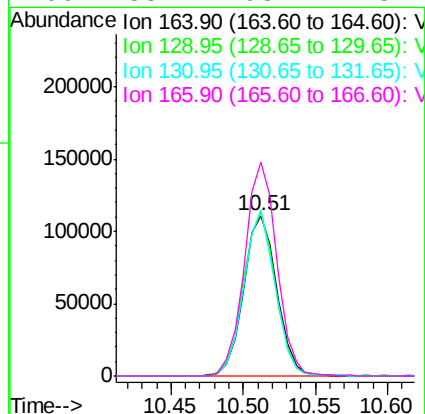
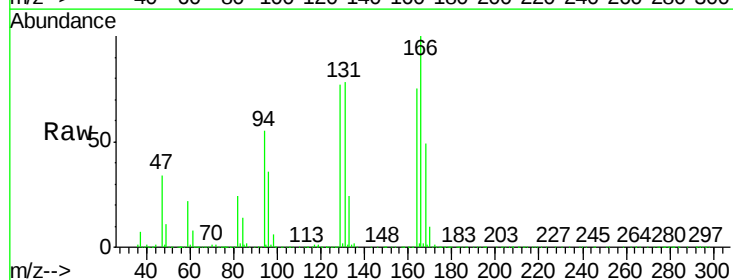
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00583

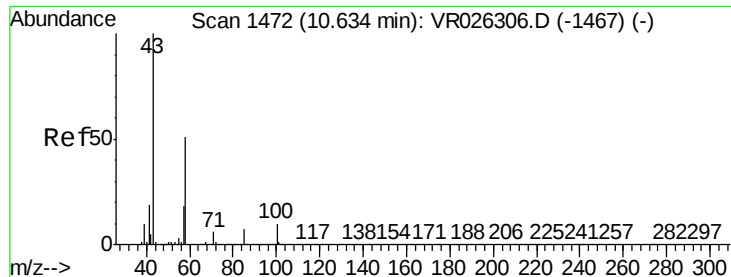
Tgt Ion:	97	Resp:	79973
Ion	Ratio	Lower	Upper
97	100		
99	61.5	43.0	80.0
83	87.9	61.5	114.3
85	56.6	39.6	73.6



#47
 Tetrachloroethene
 Concen: 4.836 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: VR026306.D
 Acq: 11 Feb 2019 13:16

Tgt Ion:	164	Resp:	174319
Ion	Ratio	Lower	Upper
164	100		
129	102.2	71.5	132.9
131	104.0	72.8	135.2
166	133.4	93.4	173.4

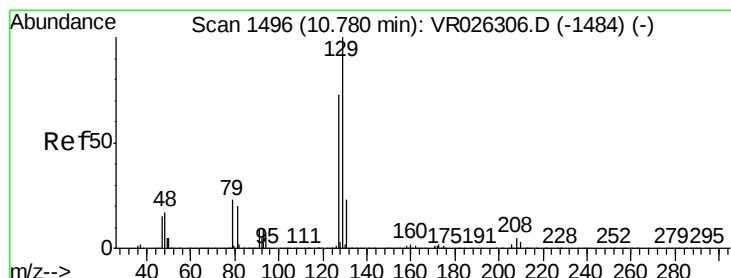
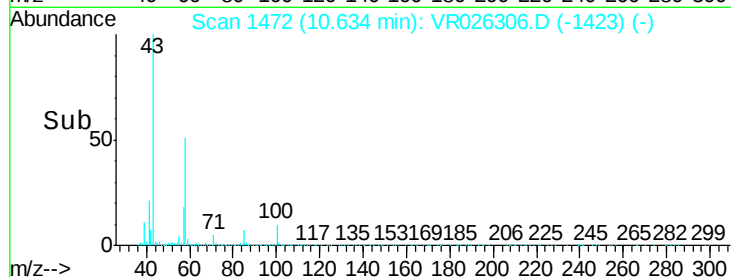
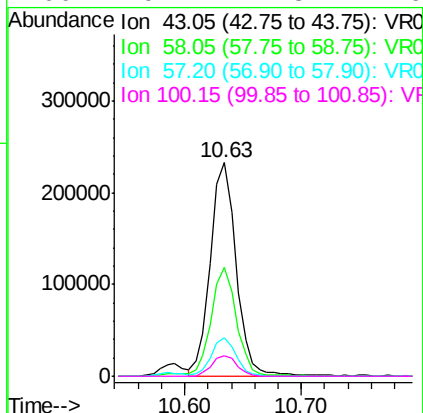
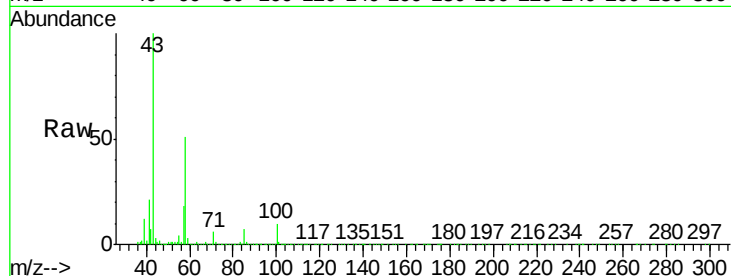




#48
2-Hexanone
Concen: 58.078 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR026306.D
Acq: 11 Feb 2019 13:16

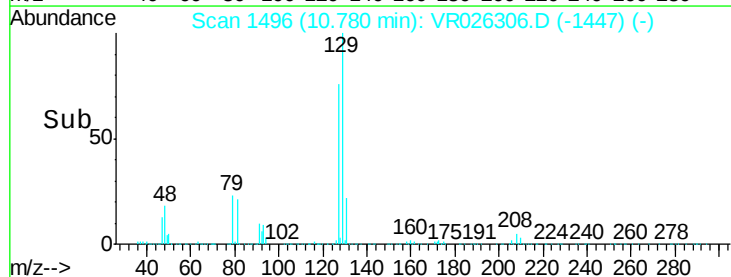
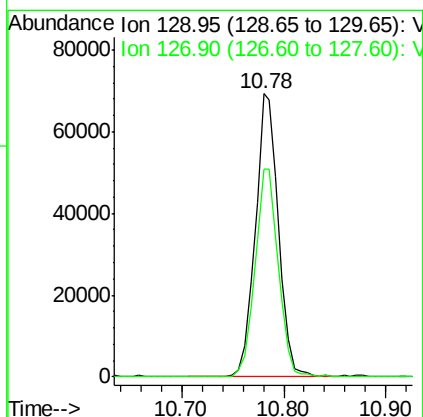
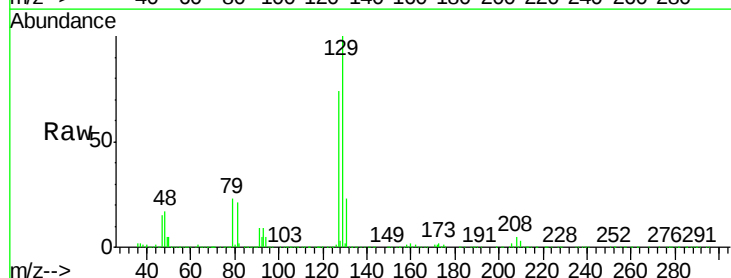
Instrument :
MSVOA_R
ClientSampled :
VSTD00583

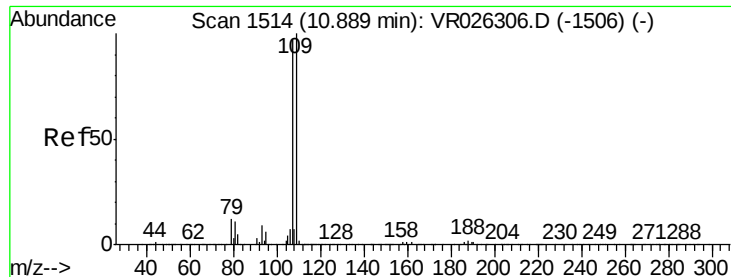
Tgt Ion:	43	Resp:	354173
Ion	Ratio	Lower	Upper
43	100		
58	51.5	41.2	61.8
57	17.3	13.8	20.8
100	9.7	7.8	11.6



#49
Dibromochloromethane
Concen: 5.206 ug/L
RT: 10.78 min Scan# 1496
Delta R.T. 0.00 min
Lab File: VR026306.D
Acq: 11 Feb 2019 13:16

Tgt Ion:	129	Resp:	109913
Ion	Ratio	Lower	Upper
129	100		
127	73.5	51.4	95.5

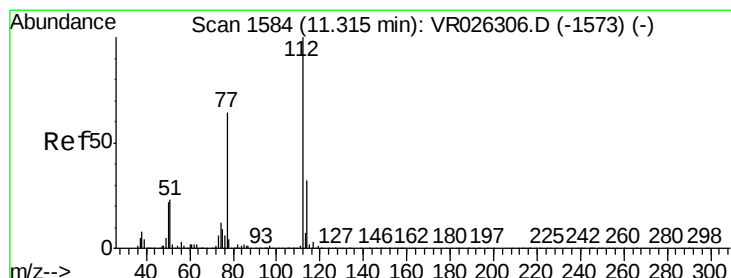
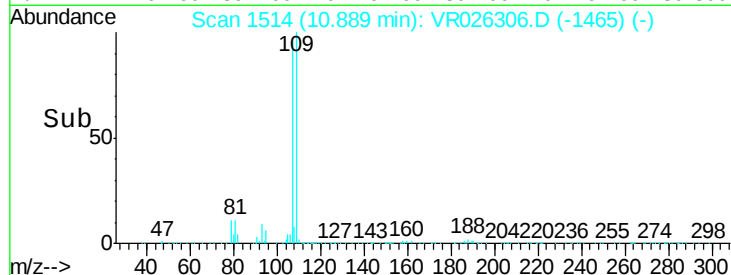
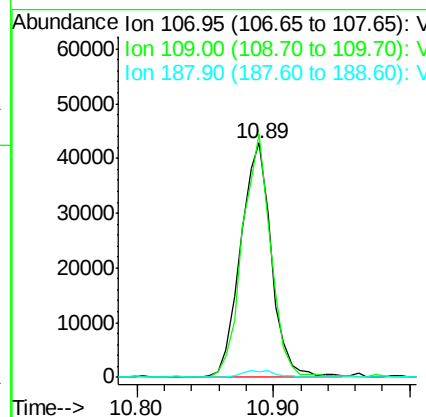
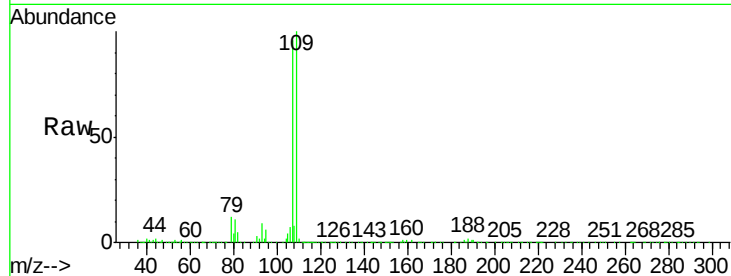




#50
1,2-Dibromoethane
Concen: 5.174 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VR026306.D
Acq: 11 Feb 2019 13:16

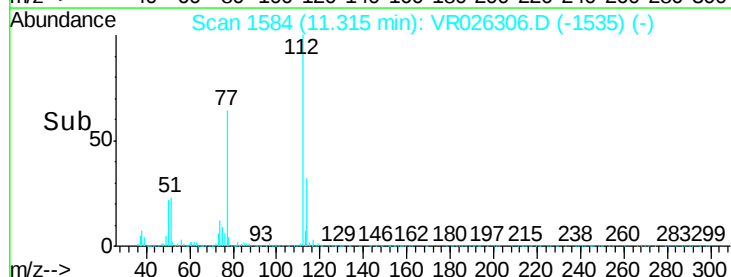
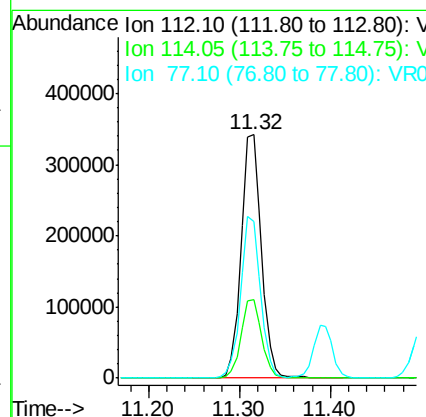
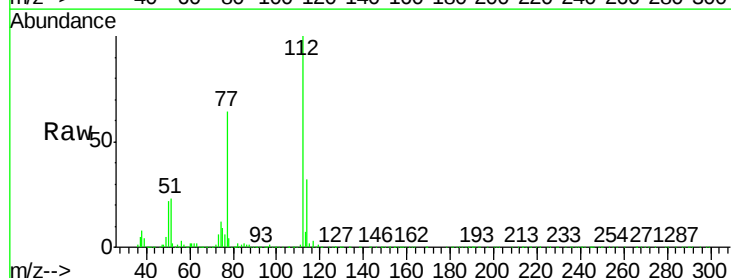
Instrument :
MSVOA_R
ClientSampleId :
VSTD00583

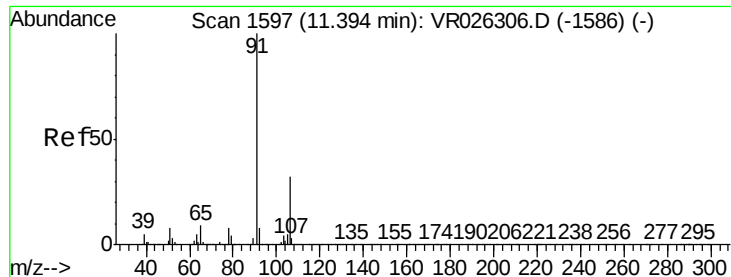
Tgt Ion:107 Resp: 67590
Ion Ratio Lower Upper
107 100
109 103.9 72.7 135.1
188 2.4 1.9 2.9



#51
Chlorobenzene
Concen: 4.941 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VR026306.D
Acq: 11 Feb 2019 13:16

Tgt Ion:112 Resp: 529105
Ion Ratio Lower Upper
112 100
114 32.2 22.5 41.9
77 64.1 51.3 76.9





#52

Ethylbenzene

Concen: 5.435 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR026306.D

Acq: 11 Feb 2019 13:16

Instrument :

MSVOA_R

ClientSampleId :

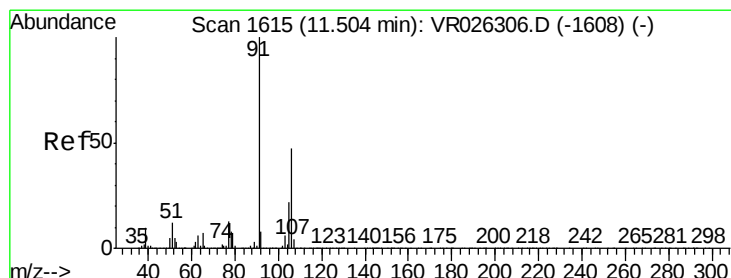
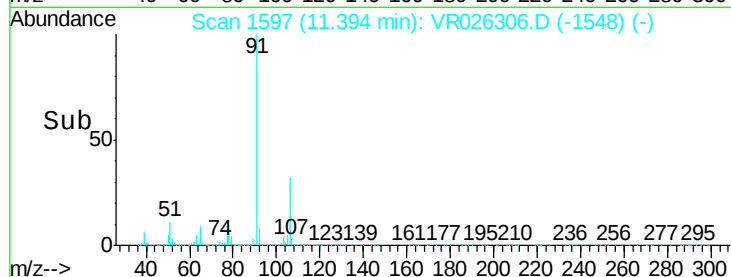
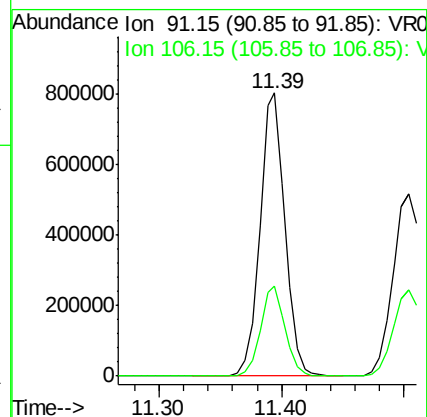
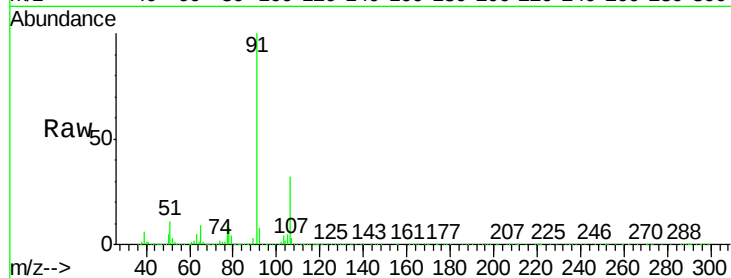
VSTD00583

Tgt Ion: 91 Resp: 1138019

Ion Ratio Lower Upper

91 100

106 31.8 22.3 41.3



#53

m,p-Xylene

Concen: 5.363 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR026306.D

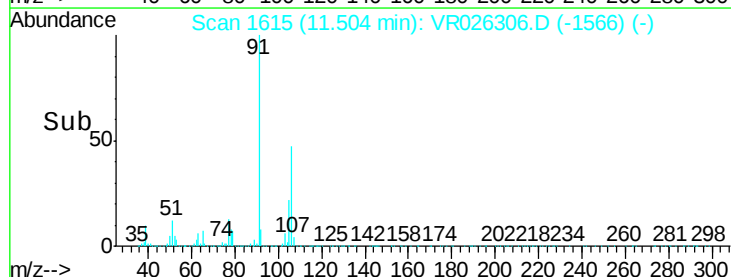
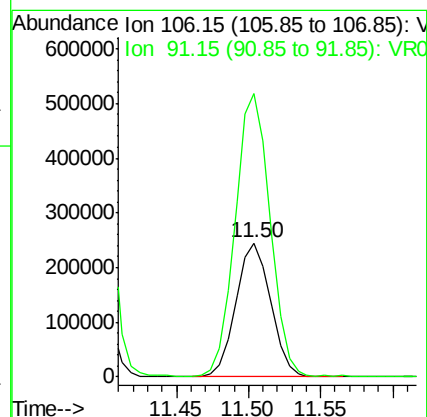
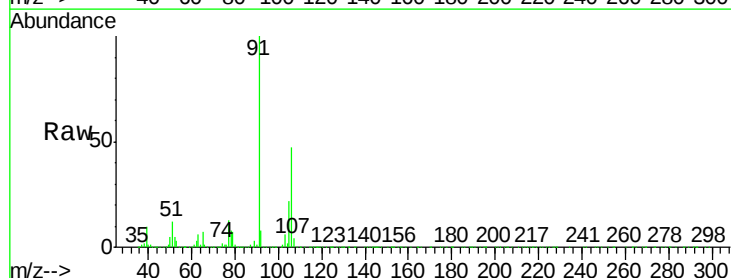
Acq: 11 Feb 2019 13:16

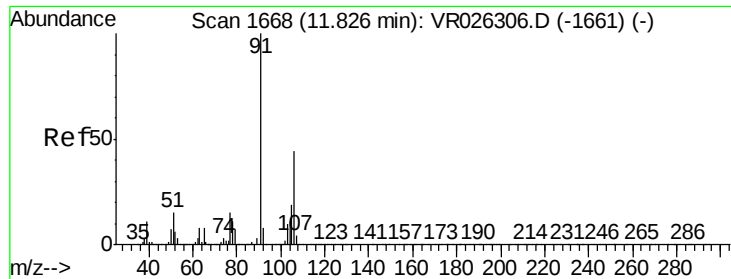
Tgt Ion: 106 Resp: 410276

Ion Ratio Lower Upper

106 100

91 211.7 148.2 275.2

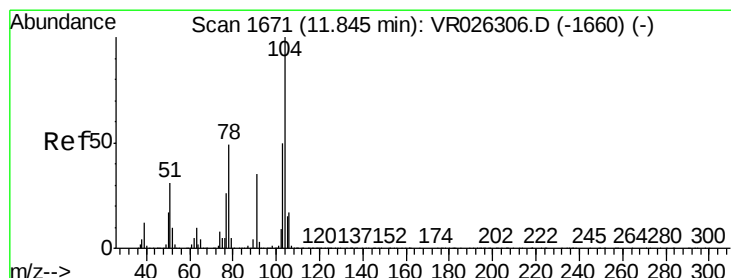
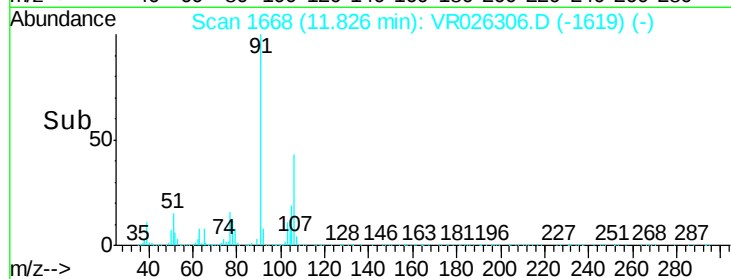
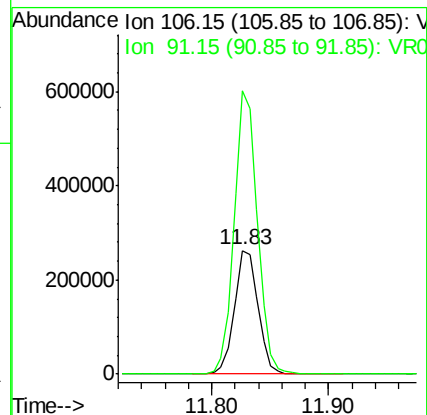
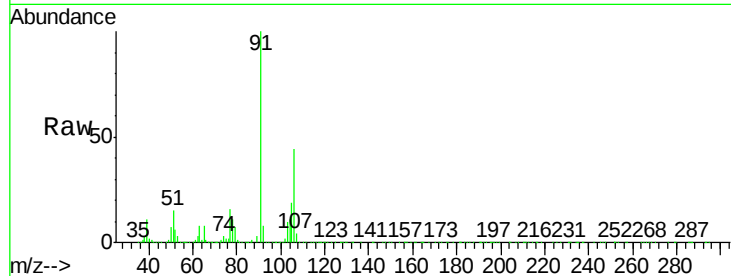




#54
o-Xylene
Concen: 5.629 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. 0.00 min
Lab File: VR026306.D
Acq: 11 Feb 2019 13:16

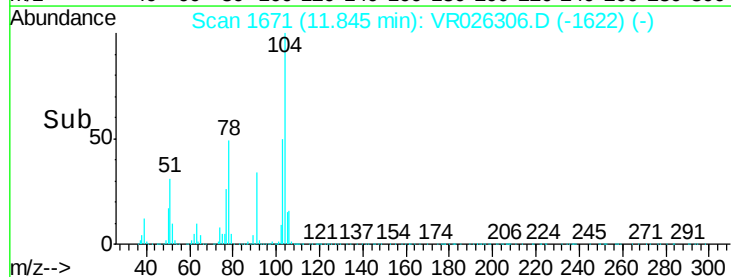
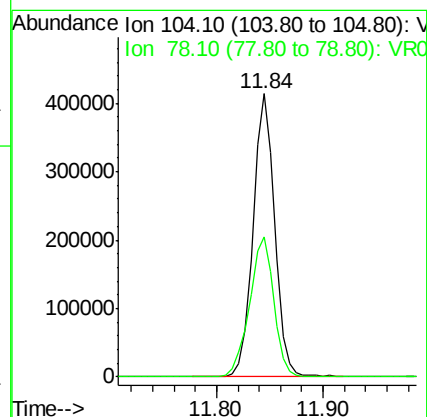
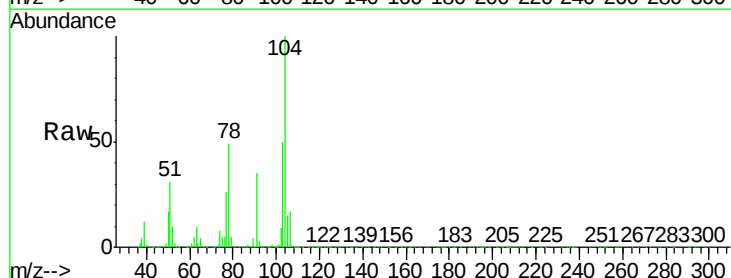
Instrument :
MSVOA_R
ClientSampleId :
VSTD00583

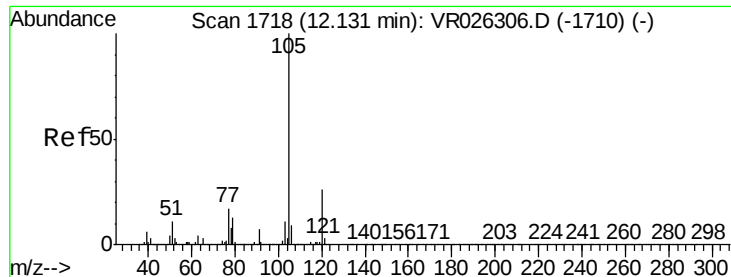
Tgt Ion:106 Resp: 371417
Ion Ratio Lower Upper
106 100
91 228.3 159.8 296.8



#55
Styrene
Concen: 5.678 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026306.D
Acq: 11 Feb 2019 13:16

Tgt Ion:104 Resp: 588529
Ion Ratio Lower Upper
104 100
78 49.3 34.5 64.1





#56

Isopropylbenzene

Concen: 5.745 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026306.D

Acq: 11 Feb 2019 13:16

Instrument :

MSVOA_R

ClientSampleId :

VSTD00583

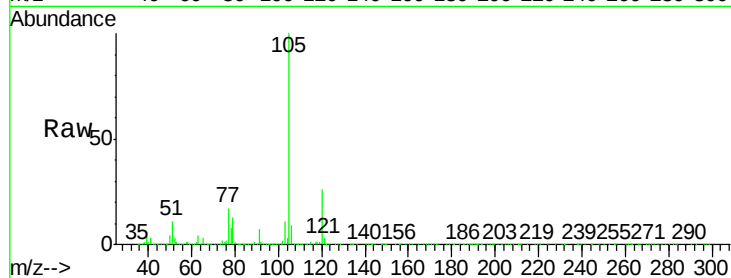
Tgt Ion: 105 Resp: 1077558

Ion Ratio Lower Upper

105 100

120 26.4 21.1 31.7

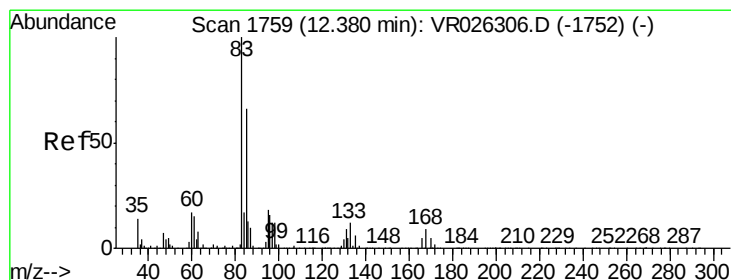
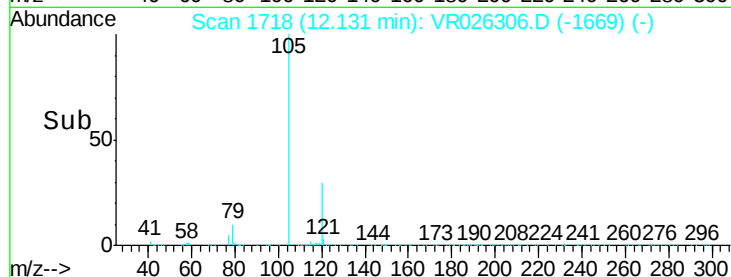
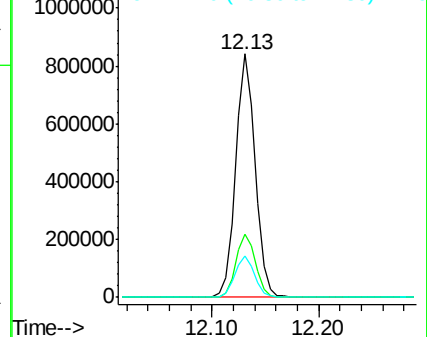
77 17.4 13.9 20.9



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: 5.119 ug/L

RT: 12.38 min Scan# 1759

Delta R.T. 0.00 min

Lab File: VR026306.D

Acq: 11 Feb 2019 13:16

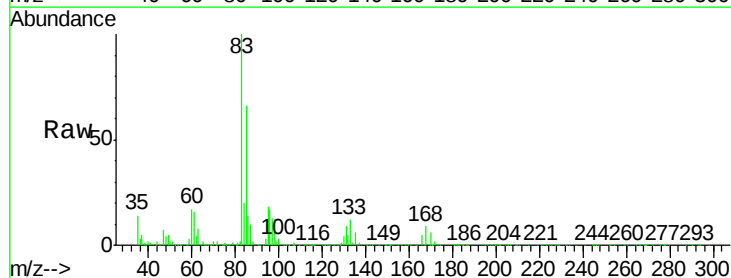
Tgt Ion: 83 Resp: 77893

Ion Ratio Lower Upper

83 100

85 66.0 46.2 85.8

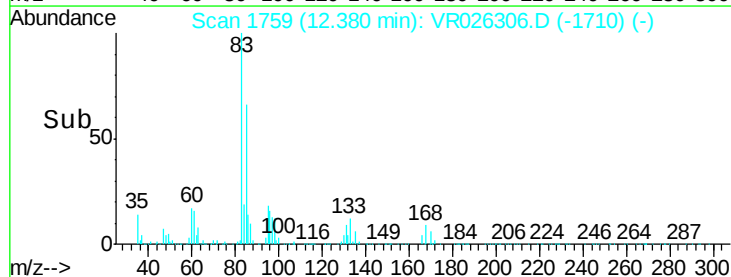
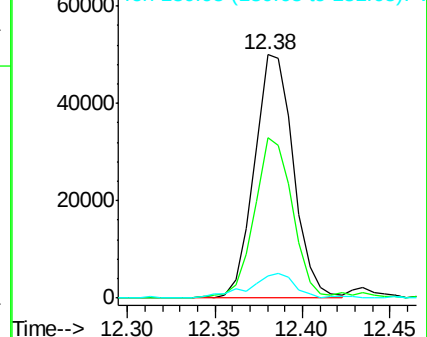
131 9.1 7.3 10.9

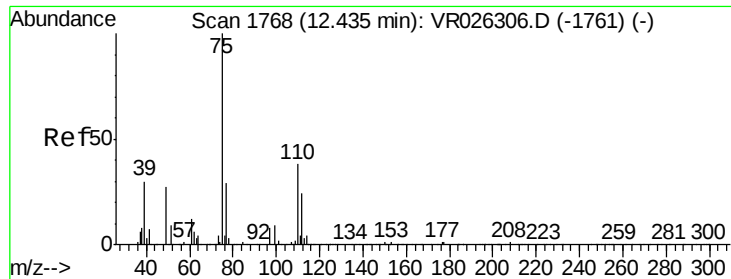


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

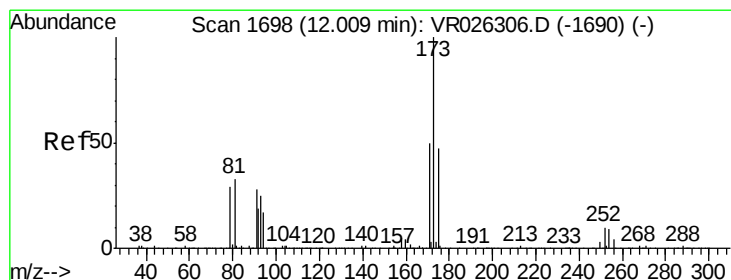
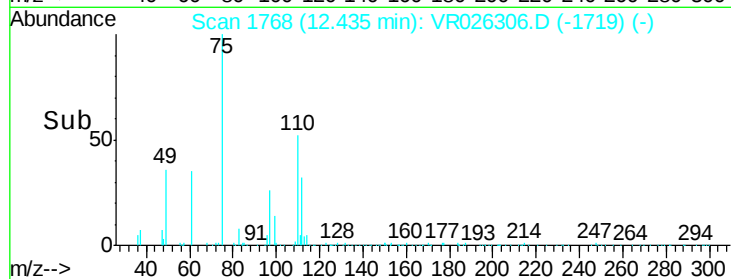
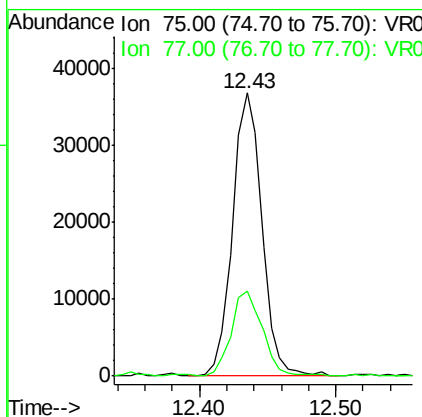
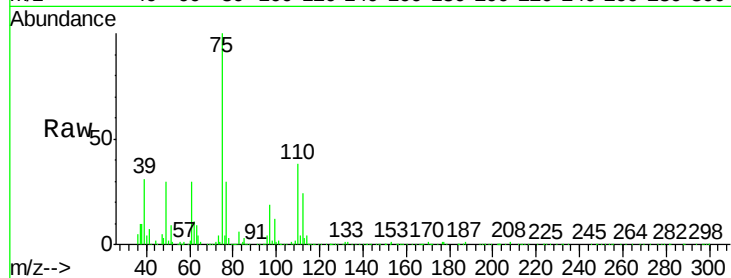




#59
 1,2,3-Trichloropropane
 Concen: 5.043 ug/L
 RT: 12.43 min Scan# 1768
 Delta R.T. 0.00 min
 Lab File: VR026306.D
 Acq: 11 Feb 2019 13:16

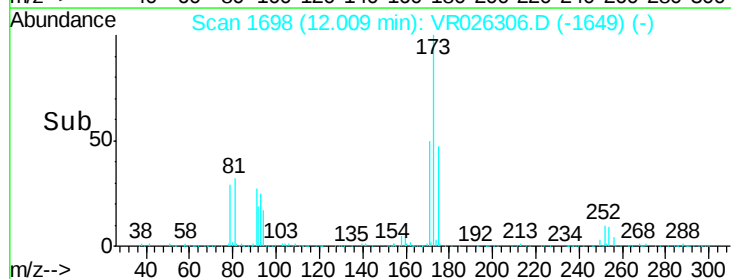
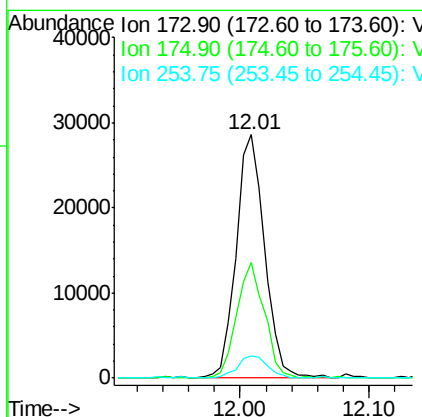
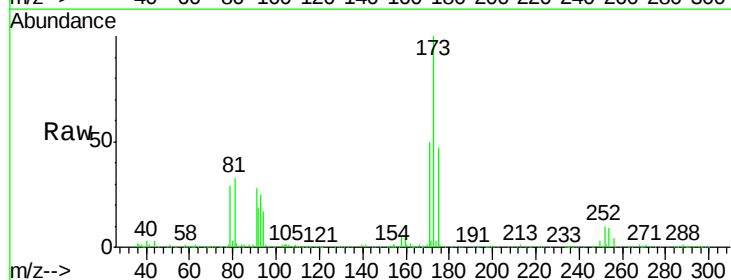
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00583

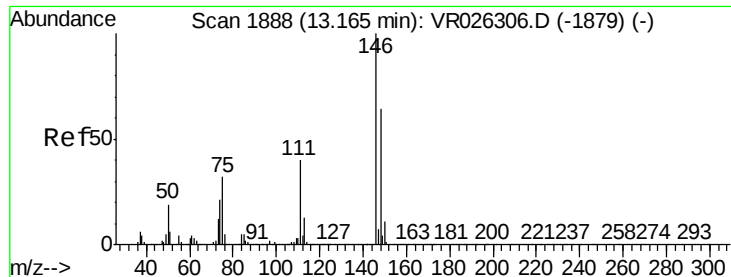
Tgt Ion: 75 Resp: 55308
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.6 38.4



#61
 Bromoform
 Concen: 4.748 ug/L
 RT: 12.01 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VR026306.D
 Acq: 11 Feb 2019 13:16

Tgt Ion: 173 Resp: 43890
 Ion Ratio Lower Upper
 173 100
 175 46.4 37.1 55.7
 254 10.0 8.0 12.0

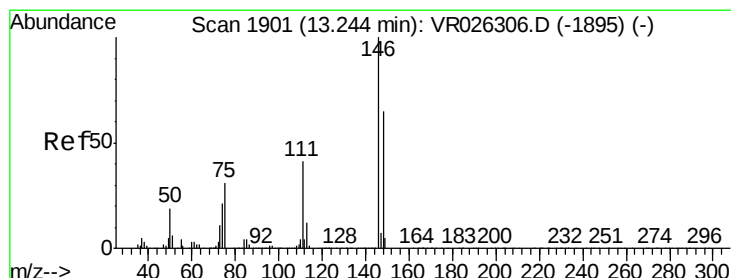
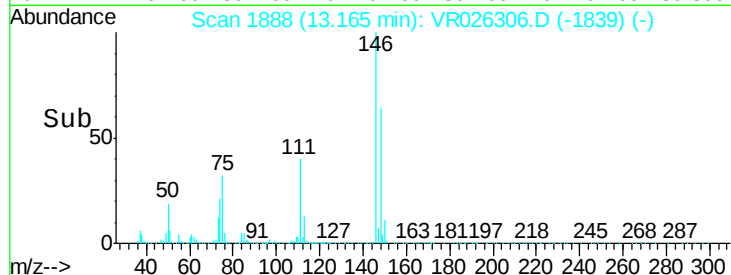
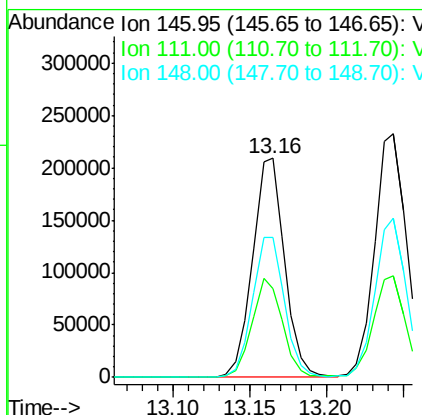
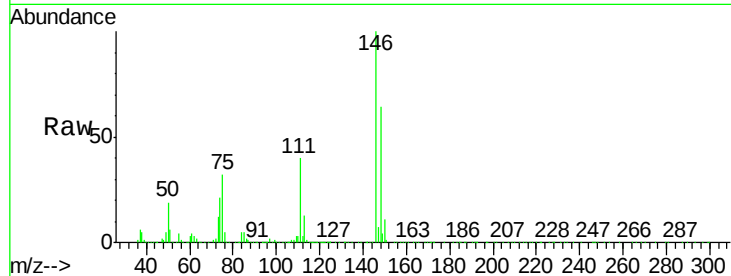




#62
 1,3-Dichlorobenzene
 Concen: 4.982 ug/L
 RT: 13.16 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VR026306.D
 Acq: 11 Feb 2019 13:16

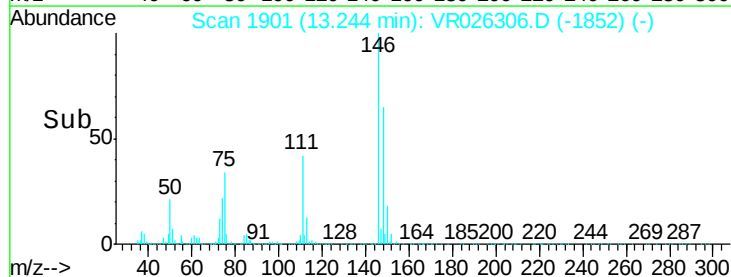
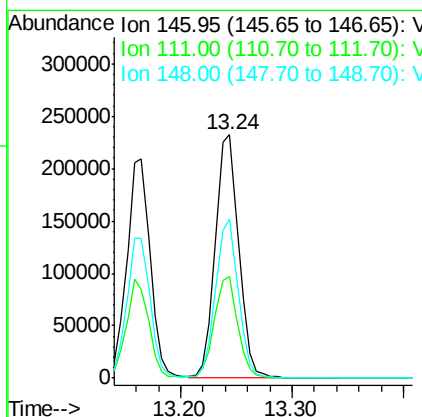
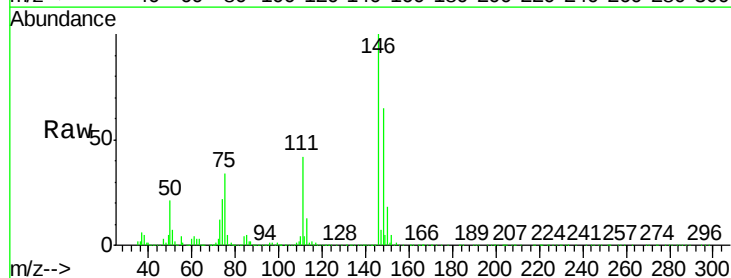
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00583

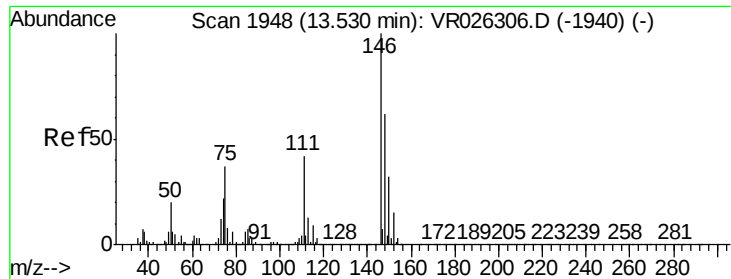
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	28.1	52.3
148	63.9	44.7	83.1



#63
 1,4-Dichlorobenzene
 Concen: 4.841 ug/L
 RT: 13.24 min Scan# 1901
 Delta R.T. 0.00 min
 Lab File: VR026306.D
 Acq: 11 Feb 2019 13:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	29.1	54.1
148	65.2	45.6	84.8

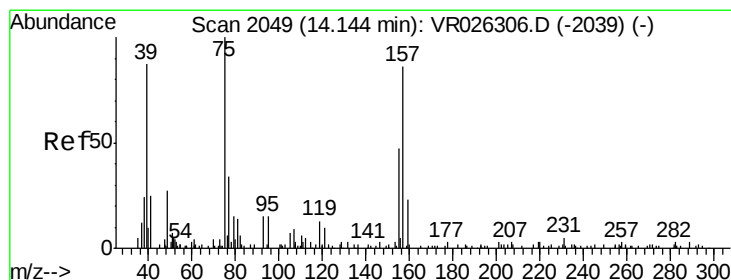
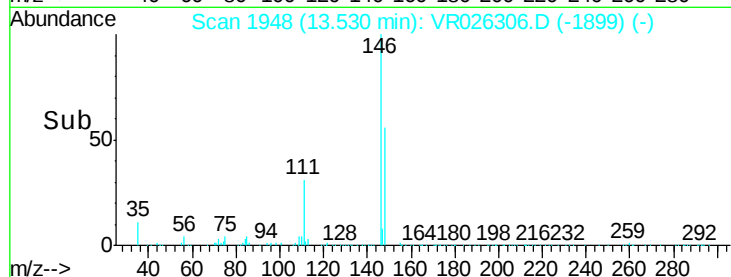
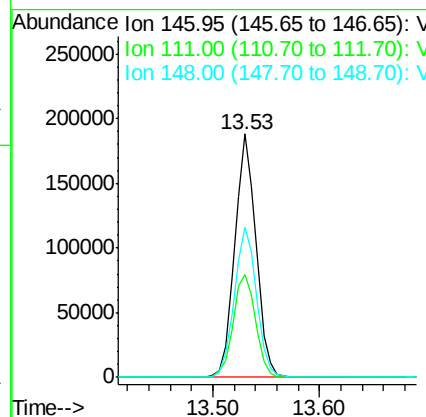
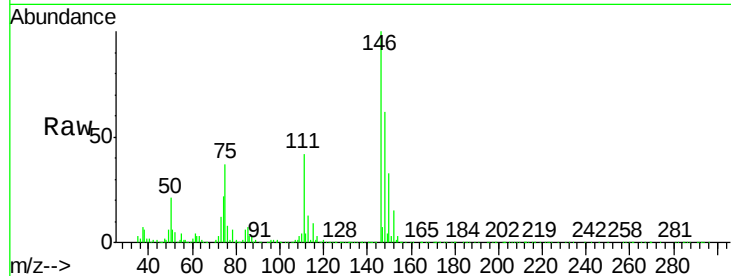




#65
 1,2-Dichlorobenzene
 Concen: 5.030 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. 0.00 min
 Lab File: VR026306.D
 Acq: 11 Feb 2019 13:16

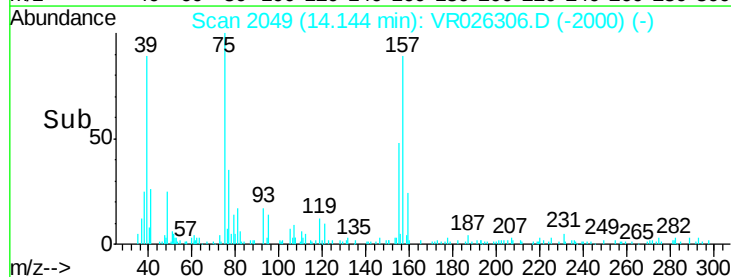
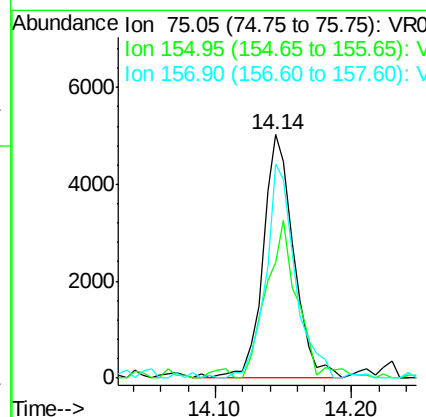
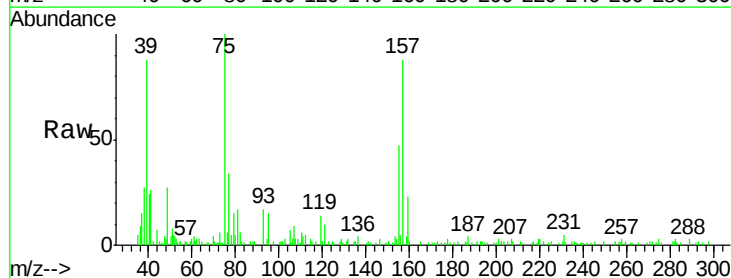
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00583

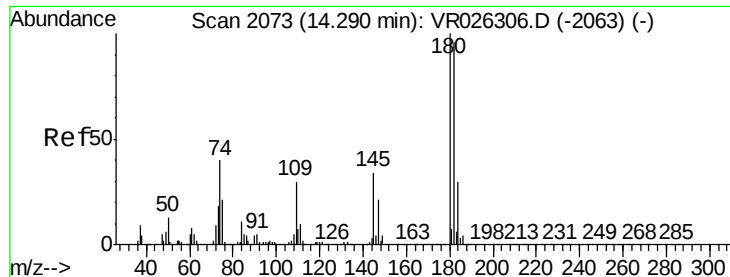
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	33.6	50.4
148	61.7	49.4	74.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.714 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VR026306.D
 Acq: 11 Feb 2019 13:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	47.5	38.0	57.0
157	88.0	70.4	105.6

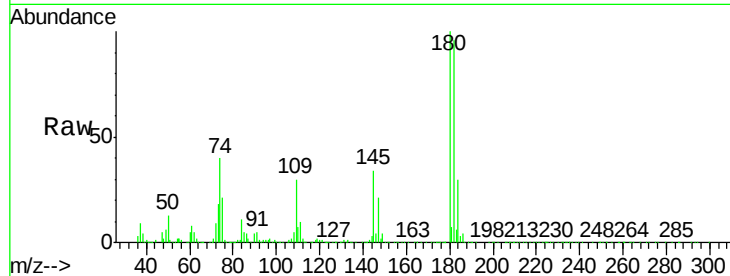




#67
 1,3,5-Trichlorobenzene
 Concen: 4.947 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR026306.D
 Acq: 11 Feb 2019 13:16

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00583

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.0	114.0
184	29.1	23.3	34.9
145	33.2	26.6	39.8

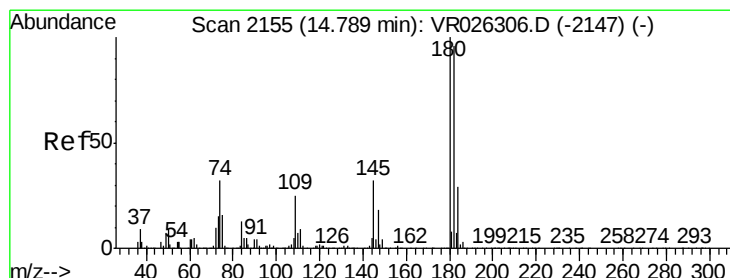
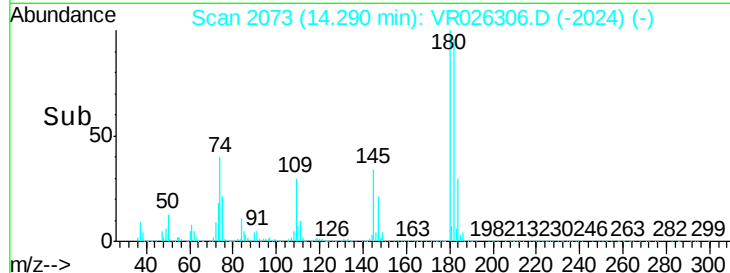
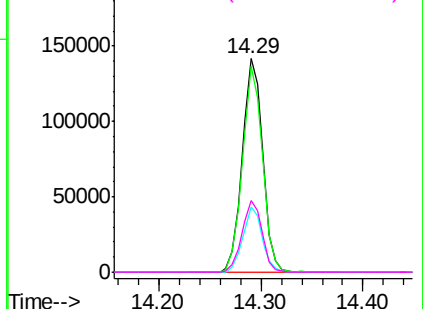


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

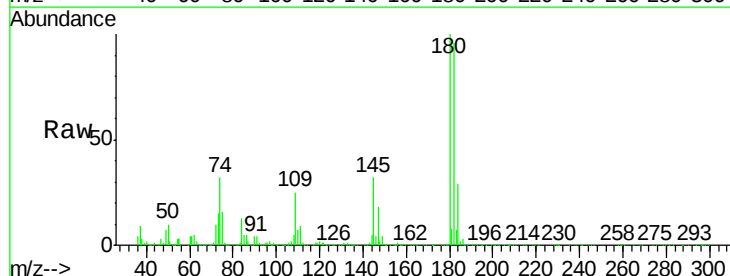
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.995 ug/L
 RT: 14.79 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VR026306.D
 Acq: 11 Feb 2019 13:16

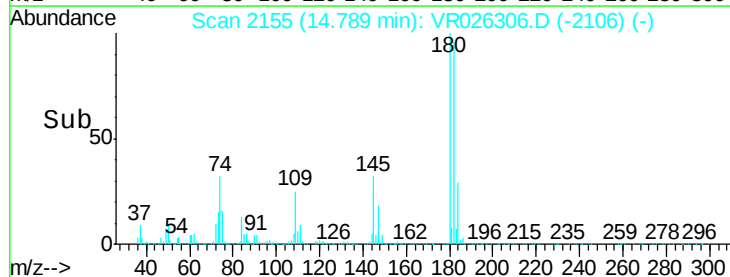
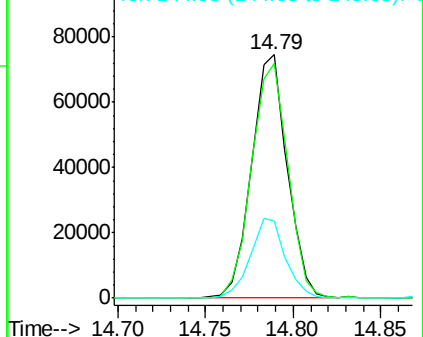
Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.4	78.7	118.1
145	32.4	25.9	38.9

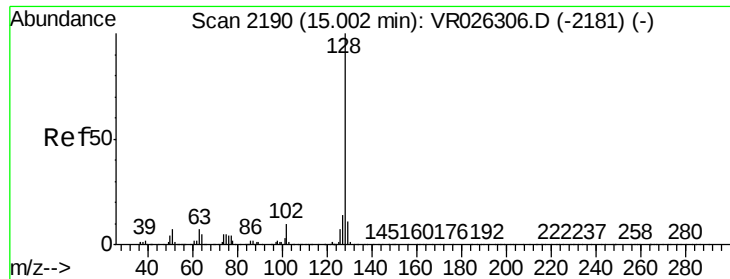


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.997 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR026306.D

Acq: 11 Feb 2019 13:16

Instrument :

MSVOA_R

ClientSampleId :

VSTD00583

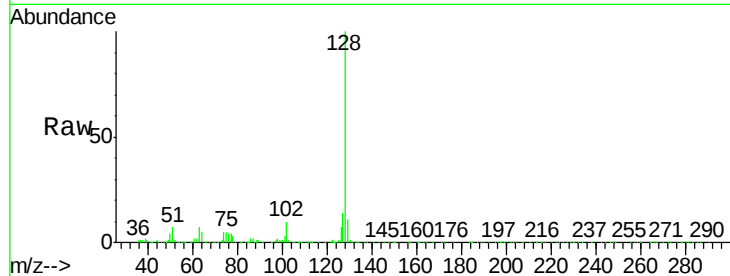
Tgt Ion:128 Resp: 95101

Ion Ratio Lower Upper

128 100

127 14.6 11.7 17.5

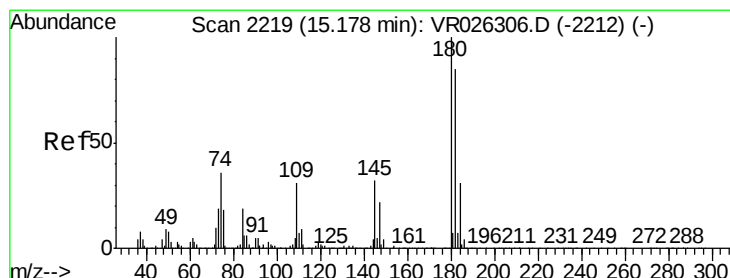
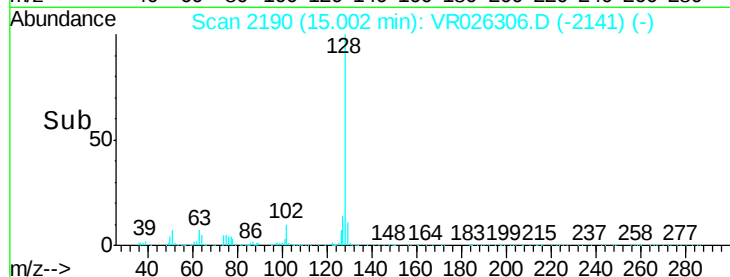
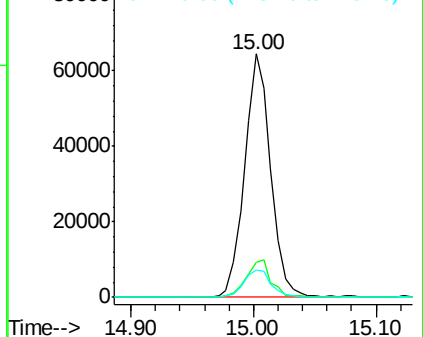
129 12.0 9.6 14.4



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: 5.219 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR026306.D

Acq: 11 Feb 2019 13:16

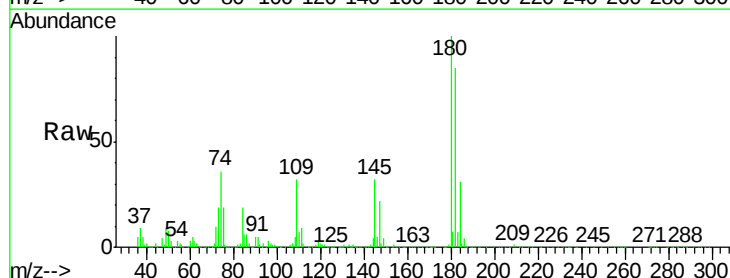
Tgt Ion:180 Resp: 79886

Ion Ratio Lower Upper

180 100

182 93.3 74.6 112.0

145 35.4 28.3 42.5



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

