

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR021119\
 Data File : VR026307.D
 Acq On : 11 Feb 2019 13:49
 Operator : SY/MD
 Sample : VSTD01084
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01084

Quant Time: Feb 14 04:48:11 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	587113	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	511898	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	205785	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	507136	9.47	ug/L	0.00
7) Chloroethane-d5	2.63	69	422832	9.65	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.61	63	1230000	9.56	ug/L	0.00
20) 2-Butanone-d5	6.58	46	390547	114.24	ug/L	0.00
24) Chloroform-d	7.20	84	867073	9.75	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.89	65	325369	10.05	ug/L	0.00
32) Benzene-d6	7.85	84	1797141	10.28	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.89	67	438808	9.80	ug/L	0.00
41) Toluene-d8	9.97	98	1752538	10.74	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.23	79	125521	10.40	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	349383	127.62	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	165484	9.74	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.51	152	341191	9.91	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	484581	8.958 ug/L	99
3) Chloromethane	2.02	50	549190	8.891 ug/L	98
5) Vinyl chloride	2.17	62	556705	8.947 ug/L	97
6) Bromomethane	2.53	94	362997	9.070 ug/L	92
8) Chloroethane	2.66	64	339137	9.072 ug/L	98
9) Trichlorofluoromethane	2.93	101	371606	3.664 ug/L	# 23
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	473718	8.888 ug/L	99
12) 1,1-Dichloroethene	3.62	96	510152	9.095 ug/L	82
13) Acetone	3.69	43	325261	90.353 ug/L	100
14) Carbon disulfide	3.93	76	1723071	9.395 ug/L	100
15) Methyl Acetate	4.19	43	89697	9.078 ug/L	100
16) Methylene chloride	4.40	84	413431	8.705 ug/L	95
17) Methyl tert-butyl Ether	4.89	73	498968	10.098 ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	485157	9.529 ug/L	95
19) 1,1-Dichloroethane	5.69	63	813267	9.306 ug/L	99
21) 2-Butanone	6.68	43	445800	109.390 ug/L	98
22) cis-1,2-Dichloroethene	6.67	96	443055	10.789 ug/L	# 86
23) Bromochloromethane	7.04	128	120447	9.403 ug/L	92
25) Chloroform	7.23	83	793703	9.349 ug/L	95
27) 1,2-Dichloroethane	7.99	62	348923	9.501 ug/L	97
29) 1,1,1-Trichloroethane	7.43	97	761921	9.042 ug/L	98
30) Cyclohexane	7.51	56	767782	11.380 ug/L	100
31) Carbon tetrachloride	7.63	117	692366	8.864 ug/L	96
33) Benzene	7.90	78	1945880	9.607 ug/L	100
34) Trichloroethene	8.71	95	491208	9.406 ug/L	99
35) Methylcyclohexane	8.95	83	793320	10.924 ug/L	97
37) 1,2-Dichloropropane	8.99	63	397203	9.082 ug/L	# 97
38) Bromodichloromethane	9.28	83	448526	9.197 ug/L	97
39) cis-1,3-Dichloropropene	9.72	75	501061	11.134 ug/L	98
40) 4-Methyl-2-pentanone	9.86	43	1145383	113.615 ug/L	100

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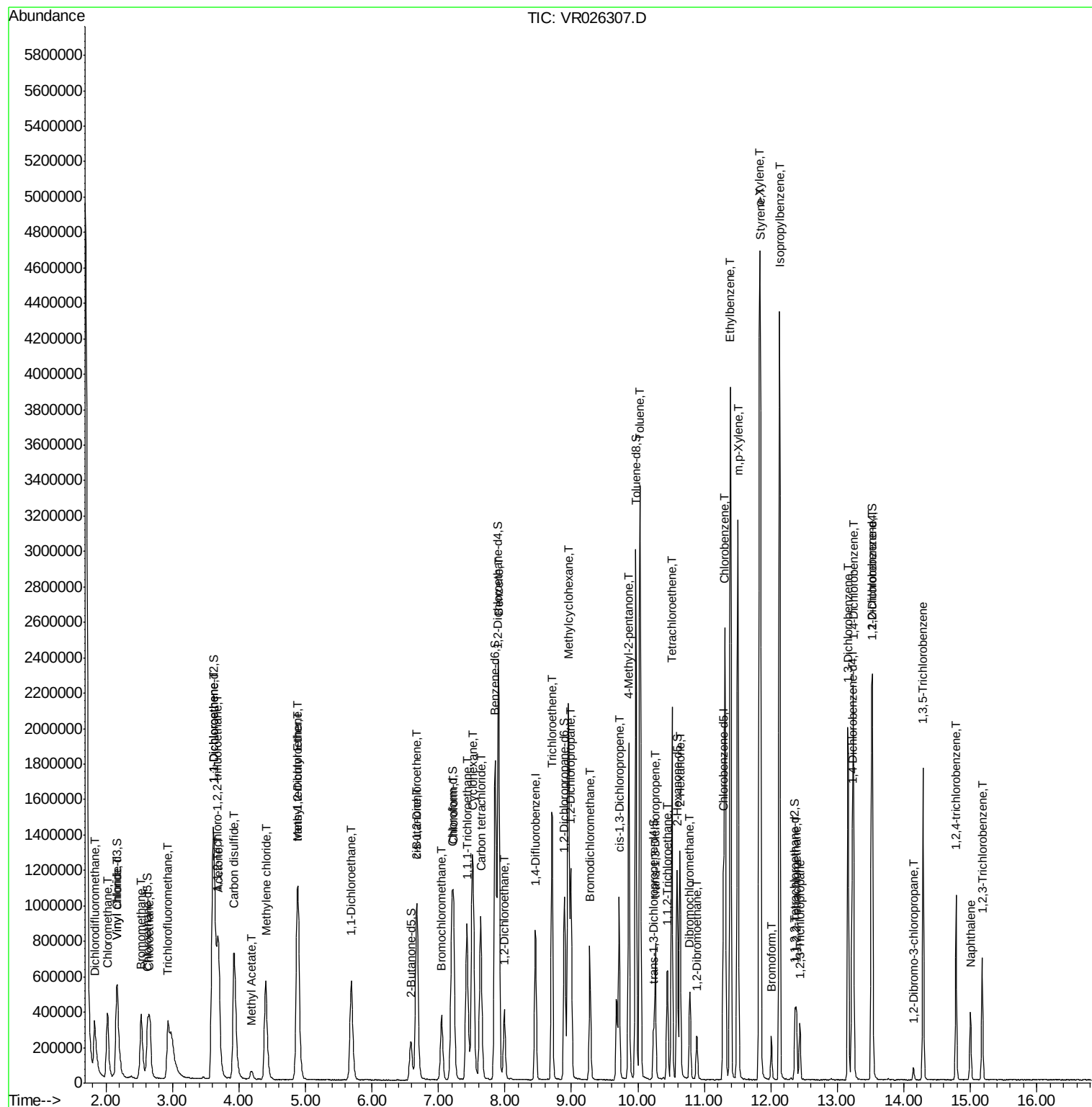
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.03	91	2099733	10.086	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	355024	10.634	ug/L	97
45) 1,1,2-Trichloroethane	10.45	97	164661	9.017	ug/L	98
47) Tetrachloroethene	10.51	164	377476	9.420	ug/L	95
48) 2-Hexanone	10.63	43	759444	112.031	ug/L	100
49) Dibromochloromethane	10.78	129	222349	9.474	ug/L	98
50) 1,2-Dibromoethane	10.88	107	140451	9.673	ug/L #	89
51) Chlorobenzene	11.32	112	1101392	9.253	ug/L	97
52) Ethylbenzene	11.39	91	2406160	10.338	ug/L	98
53) m,p-Xylene	11.50	106	892972	10.500	ug/L	95
54) o-Xylene	11.83	106	829393	11.308	ug/L	92
55) Styrene	11.84	104	1262234	10.955	ug/L	99
56) Isopropylbenzene	12.13	105	2337399	11.210	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.39	83	152430	9.011	ug/L	97
59) 1,2,3-Trichloropropane	12.43	75	113654	9.322	ug/L	100
61) Bromoform	12.01	173	88695	8.752	ug/L	96
62) 1,3-Dichlorobenzene	13.16	146	663890	9.877	ug/L	95
63) 1,4-Dichlorobenzene	13.24	146	693027	9.032	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	555039	9.636	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.14	75	16335	8.836	ug/L	85
67) 1,3,5-Trichlorobenzene	14.29	180	423935	9.841	ug/L	99
68) 1,2,4-trichlorobenzene	14.78	180	244689	10.525	ug/L	97
69) Naphthalene	15.00	128	247325	11.855	ug/L	97
70) 1,2,3-Trichlorobenzene	15.18	180	176429	10.514	ug/L	99

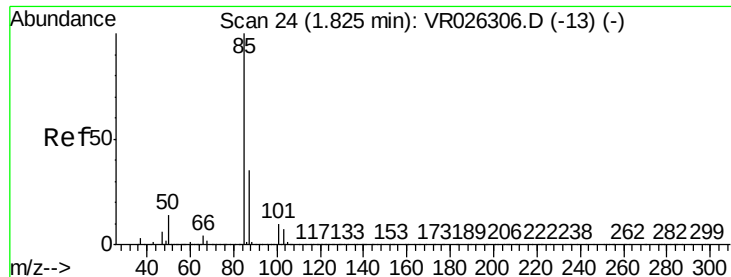
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 8.958 ug/L

RT: 1.83 min Scan# 25

Delta R.T. 0.01 min

Lab File: VR026307.D

Acq: 11 Feb 2019 13:49

Instrument :

MSVOA_R

ClientSampleId :

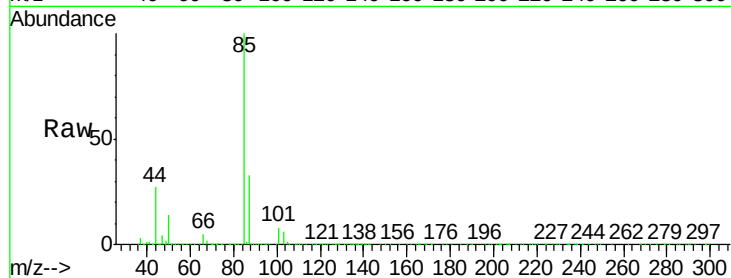
VSTD01084

Tgt Ion: 85 Resp: 484581

Ion Ratio Lower Upper

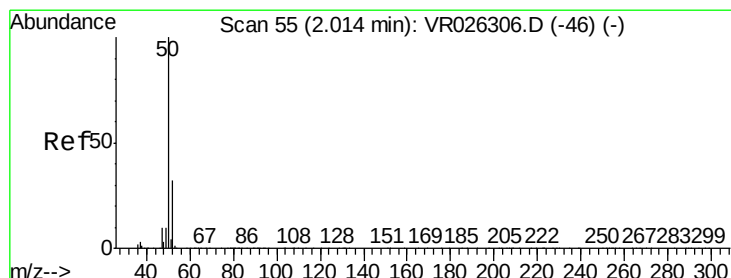
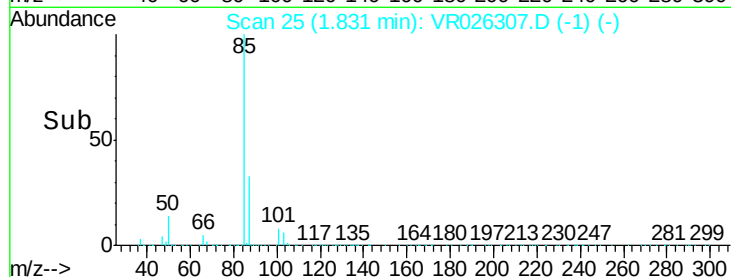
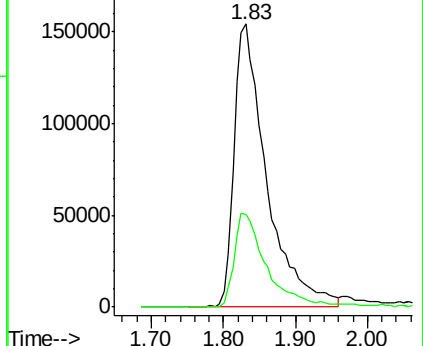
85 100

87 33.4 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: 8.891 ug/L

RT: 2.02 min Scan# 56

Delta R.T. 0.01 min

Lab File: VR026307.D

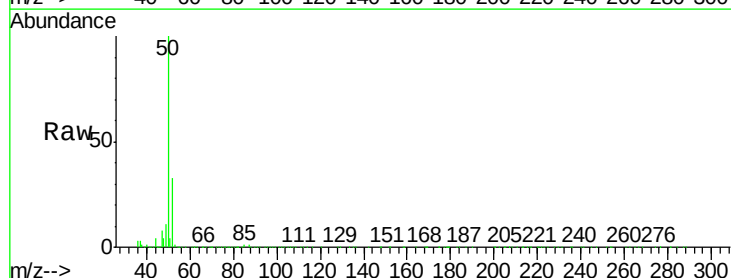
Acq: 11 Feb 2019 13:49

Tgt Ion: 50 Resp: 549190

Ion Ratio Lower Upper

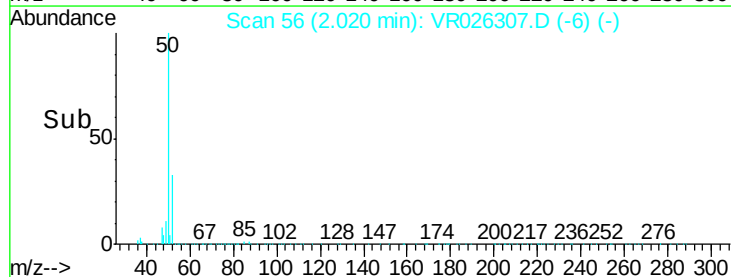
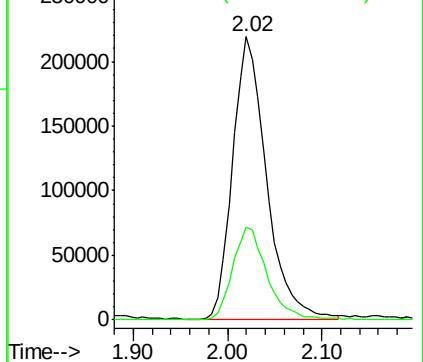
50 100

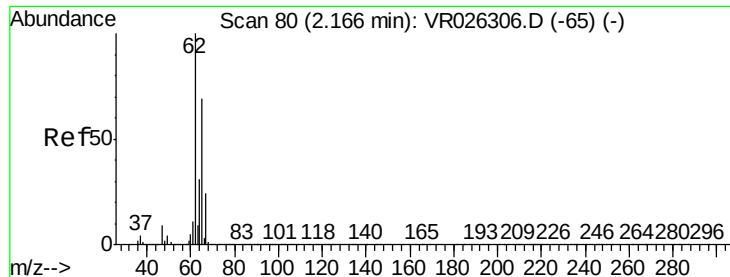
52 32.8 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 8.947 ug/L

RT: 2.17 min Scan# 81

Delta R.T. 0.01 min

Lab File: VR026307.D

Acq: 11 Feb 2019 13:49

Instrument :

MSVOA_R

ClientSampleId :

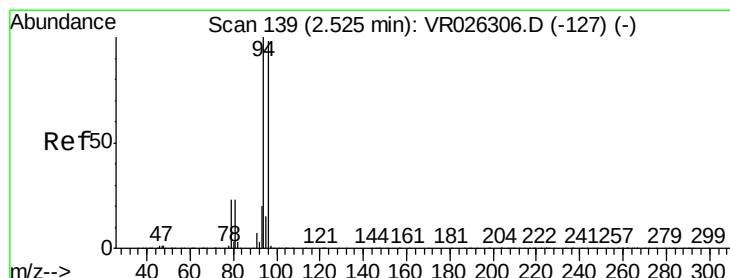
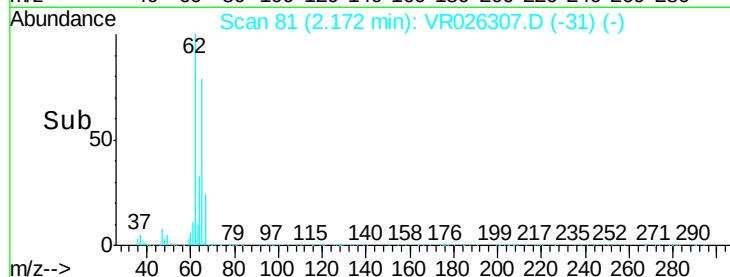
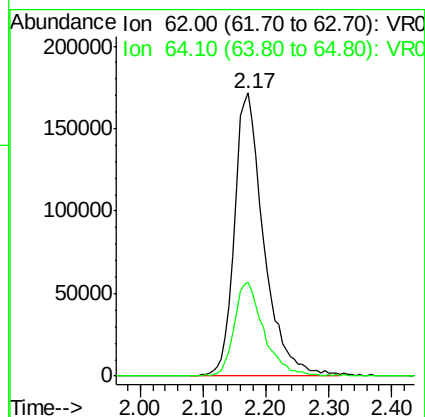
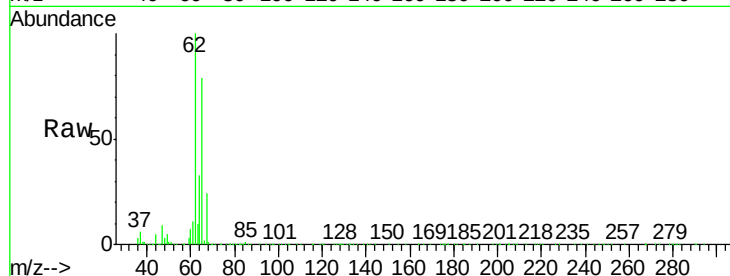
VSTD01084

Tgt Ion: 62 Resp: 556705

Ion Ratio Lower Upper

62 100

64 33.2 22.2 41.2



#6

Bromomethane

Concen: 9.070 ug/L

RT: 2.53 min Scan# 140

Delta R.T. 0.01 min

Lab File: VR026307.D

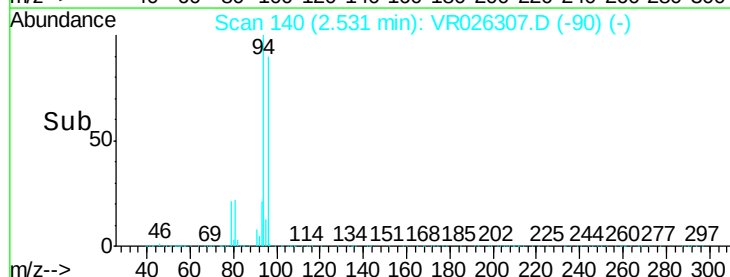
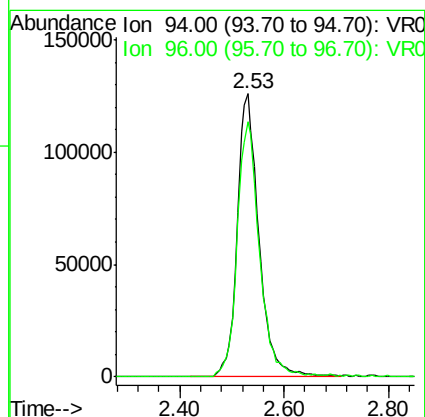
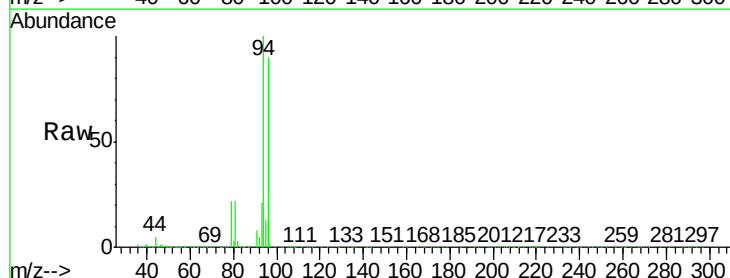
Acq: 11 Feb 2019 13:49

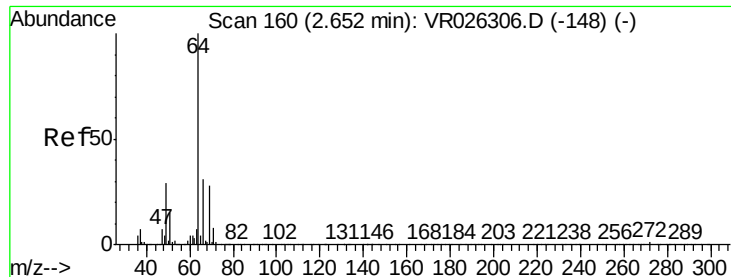
Tgt Ion: 94 Resp: 362997

Ion Ratio Lower Upper

94 100

96 90.0 68.6 127.4





#8

Chloroethane

Concen: 9.072 ug/L

RT: 2.66 min Scan# 161

Delta R.T. 0.01 min

Lab File: VR026307.D

Acq: 11 Feb 2019 13:49

Instrument :

MSVOA_R

ClientSampleId :

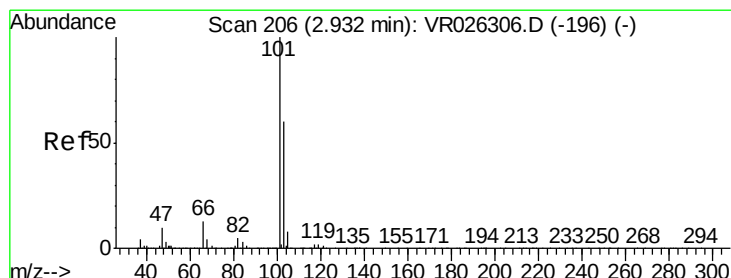
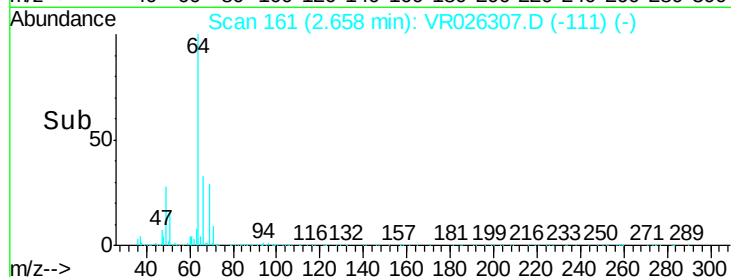
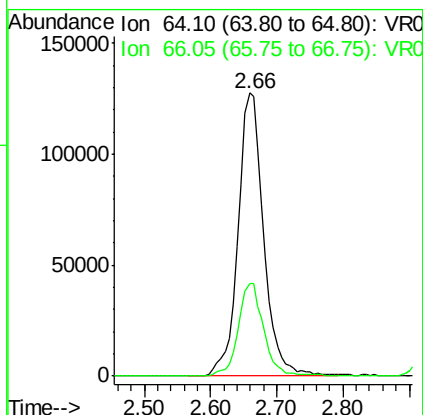
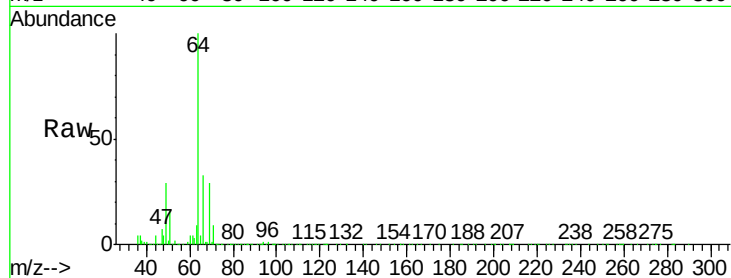
VSTD01084

Tgt Ion: 64 Resp: 339137

Ion Ratio Lower Upper

64 100

66 32.6 22.0 40.8



#9

Trichlorofluoromethane

Concen: 3.664 ug/L

RT: 2.93 min Scan# 206

Delta R.T. 0.00 min

Lab File: VR026307.D

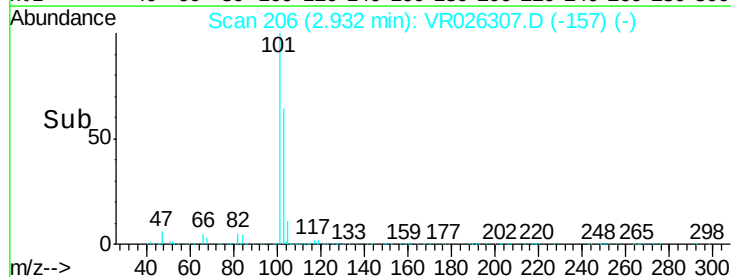
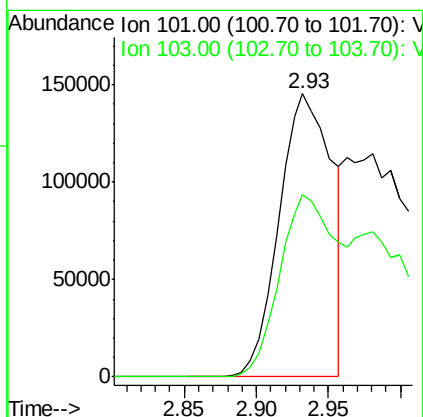
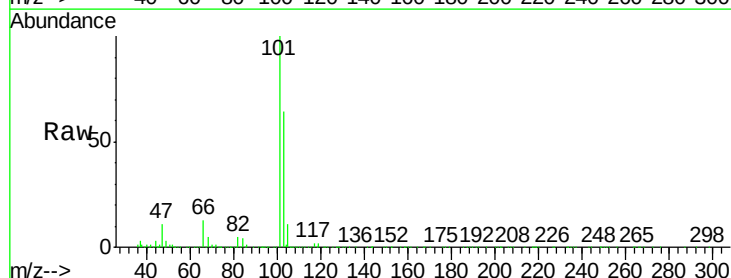
Acq: 11 Feb 2019 13:49

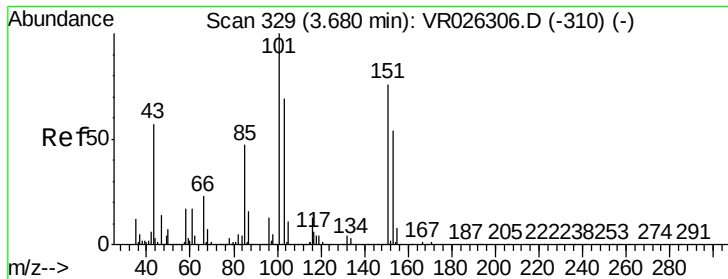
Tgt Ion: 101 Resp: 371606

Ion Ratio Lower Upper

101 100

103 70.7 23.5 35.3#





#10

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

Concen: 8.888 ug/L

RT: 3.68 min Scan# 329

Delta R.T. 0.00 min

Lab File: VR026307.D

Acq: 11 Feb 2019 13:49

Instrument :

MSVOA_R

ClientSampleId :

VSTD01084

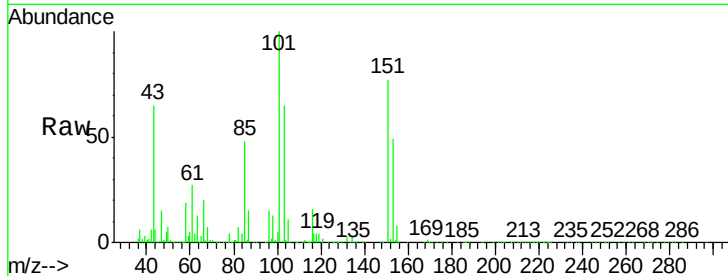
Tgt Ion: 101 Resp: 473718

Ion Ratio Lower Upper

101 100

85 48.0 39.0 58.6

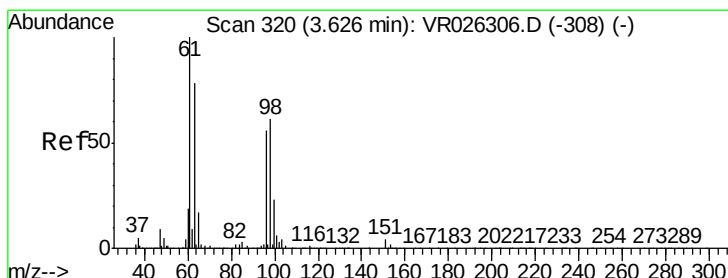
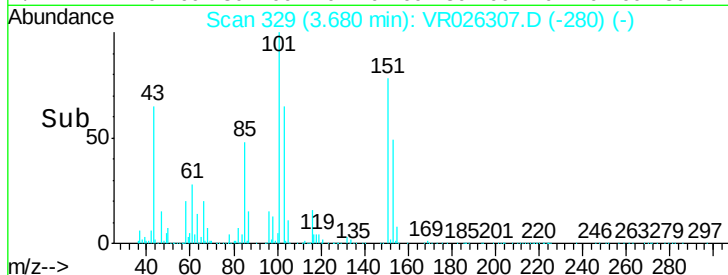
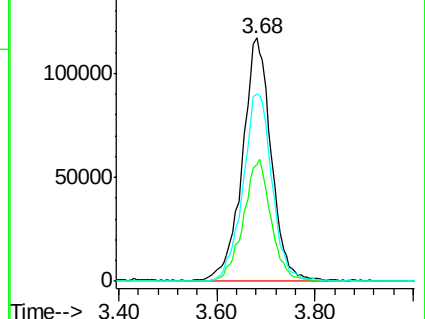
151 78.6 63.1 94.7



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: 9.095 ug/L

RT: 3.62 min Scan# 319

Delta R.T. -0.01 min

Lab File: VR026307.D

Acq: 11 Feb 2019 13:49

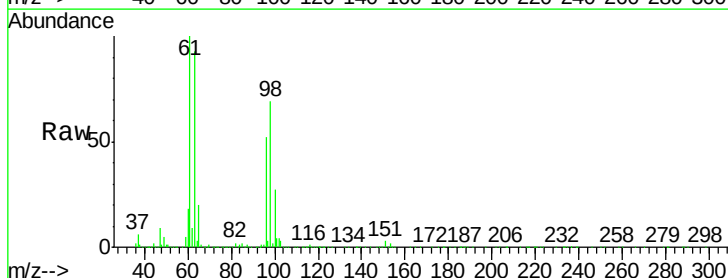
Tgt Ion: 96 Resp: 510152

Ion Ratio Lower Upper

96 100

61 193.0 126.0 234.0

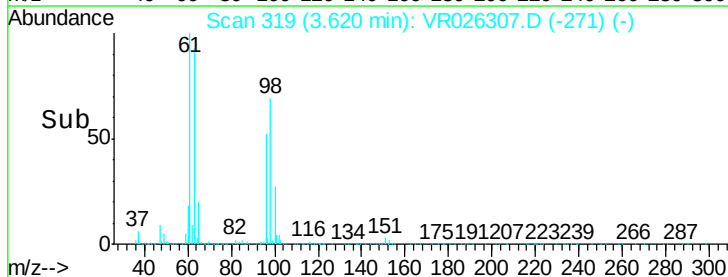
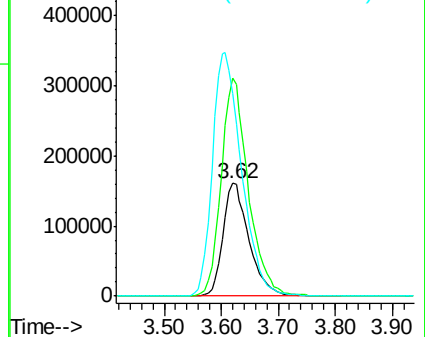
63 179.3 99.7 185.1

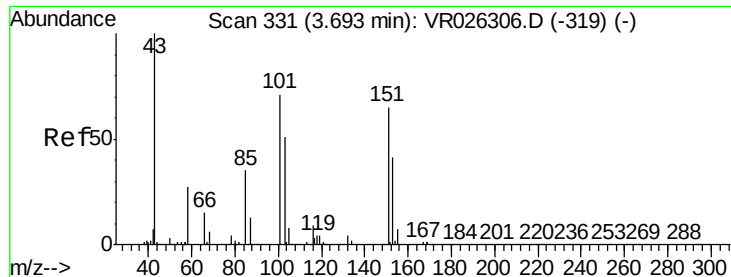


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 90.353 ug/L

RT: 3.69 min Scan# 331

Delta R.T. 0.00 min

Lab File: VR026307.D

Acq: 11 Feb 2019 13:49

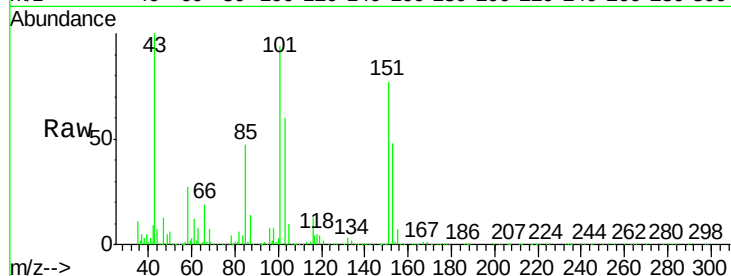
Instrument :
MSVOA_R
ClientSampleId :
VSTD01084

Tgt Ion: 43 Resp: 325261

Ion Ratio Lower Upper

43 100

58 28.1 0.0 56.6



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

3.69

120000

100000

80000

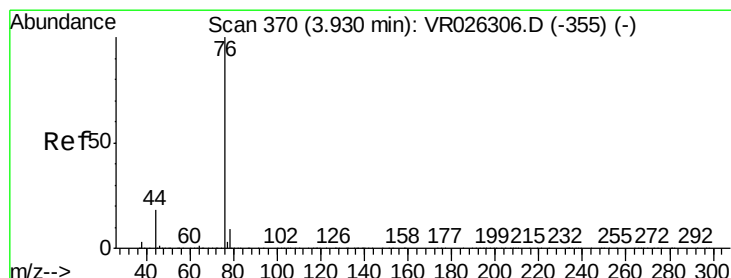
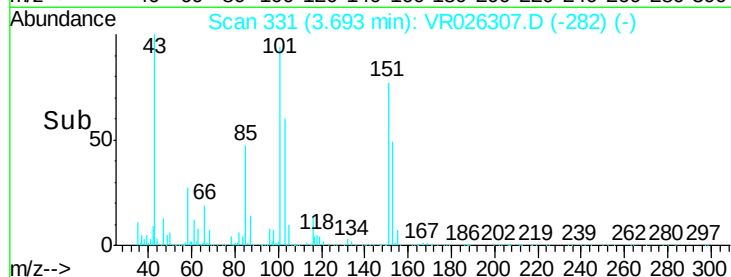
60000

40000

20000

0

Time--> 3.50 3.60 3.70 3.80



#14

Carbon disulfide

Concen: 9.395 ug/L

RT: 3.93 min Scan# 370

Delta R.T. 0.00 min

Lab File: VR026307.D

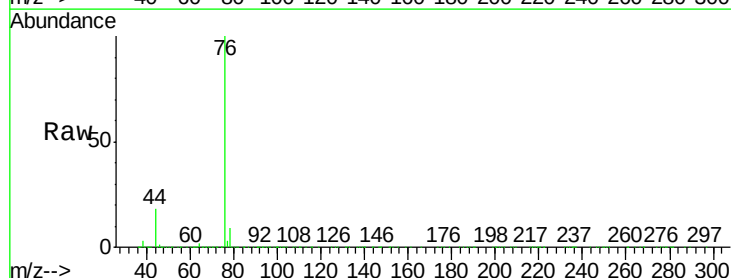
Acq: 11 Feb 2019 13:49

Tgt Ion: 76 Resp: 1723071

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

3.93

600000

500000

400000

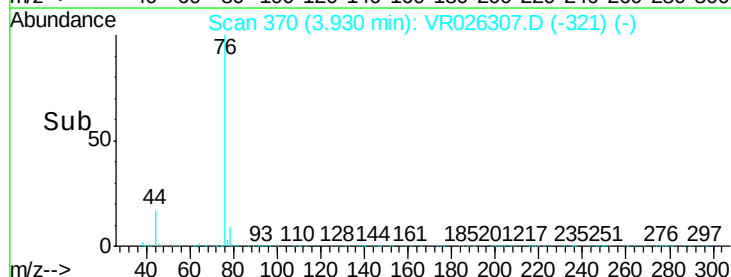
300000

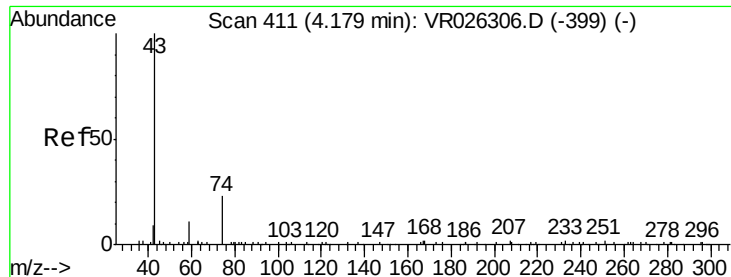
200000

100000

0

Time--> 3.80 4.00 4.20





#15

Methyl Acetate

Concen: 9.078 ug/L

RT: 4.19 min Scan# 413

Delta R.T. 0.01 min

Lab File: VR026307.D

Acq: 11 Feb 2019 13:49

Instrument :

MSVOA_R

ClientSampled :

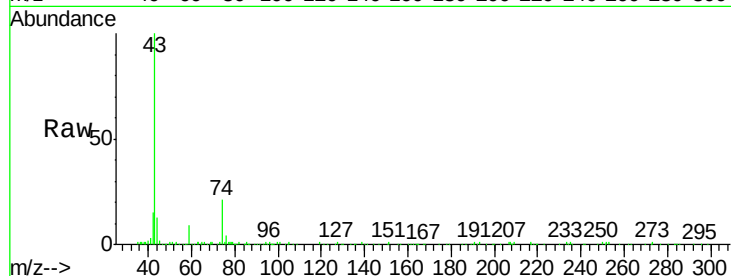
VSTD01084

Tgt Ion: 43 Resp: 89697

Ion Ratio Lower Upper

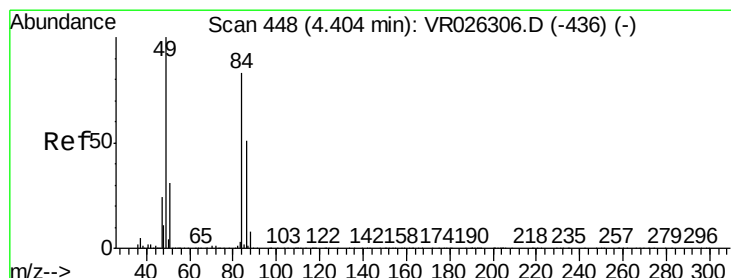
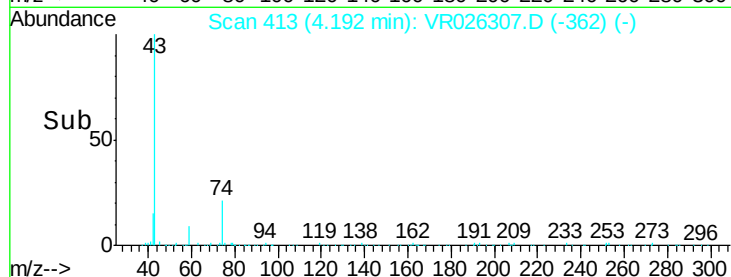
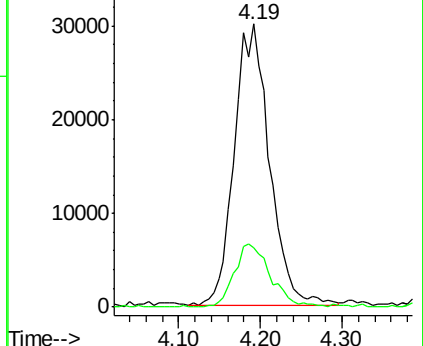
43 100

74 23.1 18.4 27.6



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0



#16

Methylene chloride

Concen: 8.705 ug/L

RT: 4.40 min Scan# 447

Delta R.T. -0.01 min

Lab File: VR026307.D

Acq: 11 Feb 2019 13:49

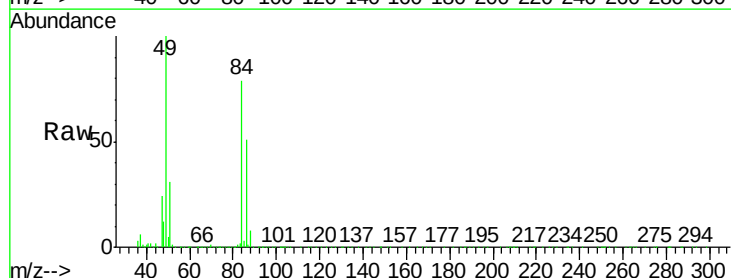
Tgt Ion: 84 Resp: 413431

Ion Ratio Lower Upper

84 100

86 64.2 42.6 79.2

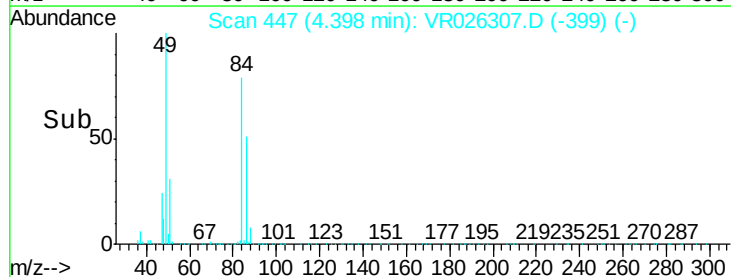
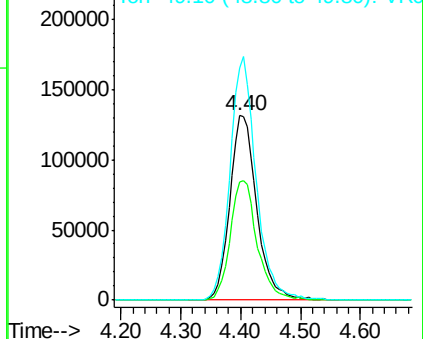
49 126.0 84.2 156.4

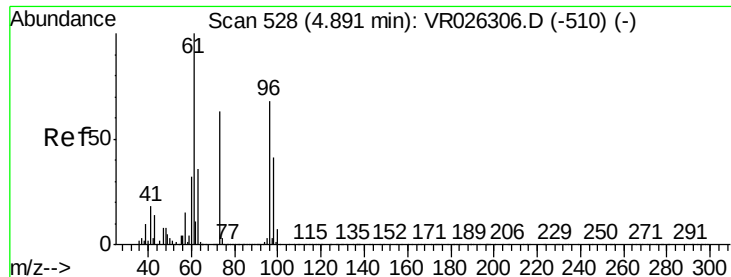


Abundance Ion 84.05 (83.75 to 84.75): VR0

Ion 86.00 (85.70 to 86.70): VR0

Ion 49.10 (48.80 to 49.80): VR0





#17

Methyl tert-butyl Ether

Concen: 10.098 ug/L

RT: 4.89 min Scan# 527

Delta R.T. -0.01 min

Lab File: VR026307.D

Acq: 11 Feb 2019 13:49

Instrument :

MSVOA_R

ClientSampleId :

VSTD01084

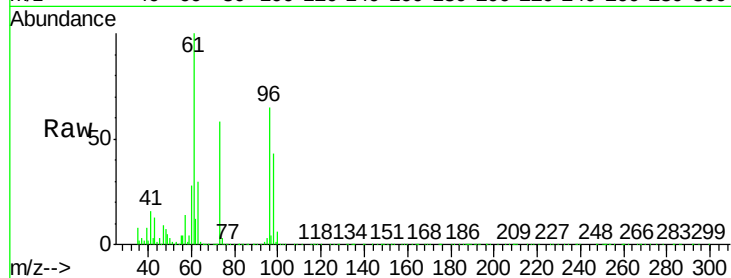
Tgt Ion: 73 Resp: 498968

Ion Ratio Lower Upper

73 100

43 22.9 17.5 26.3

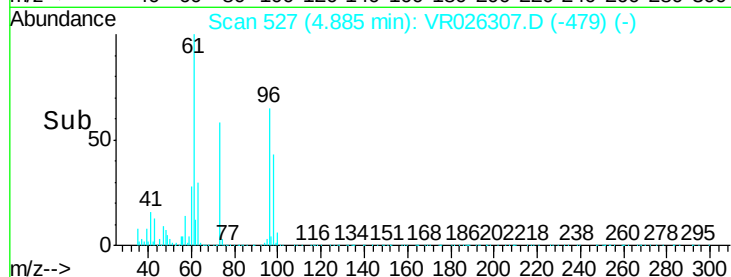
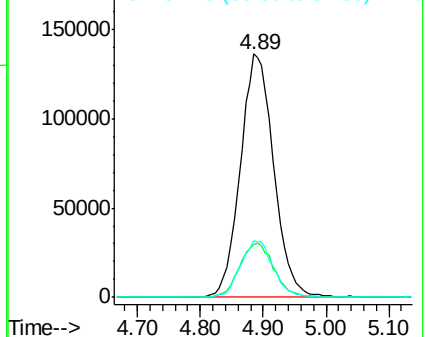
57 22.7 18.6 28.0



Abundance Ion 73.10 (72.80 to 73.80): VR0

Ion 43.05 (42.75 to 43.75): VR0

Ion 57.10 (56.80 to 57.80): VR0



#18

trans-1,2-Dichloroethene

Concen: 9.529 ug/L

RT: 4.88 min Scan# 526

Delta R.T. -0.01 min

Lab File: VR026307.D

Acq: 11 Feb 2019 13:49

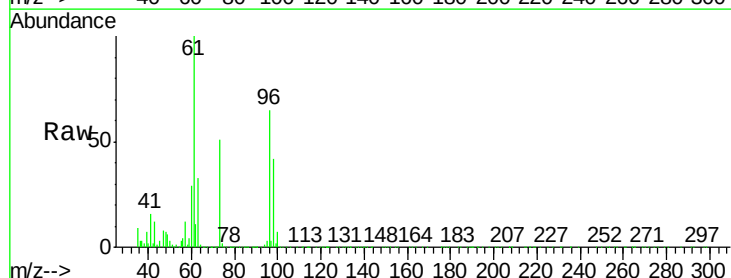
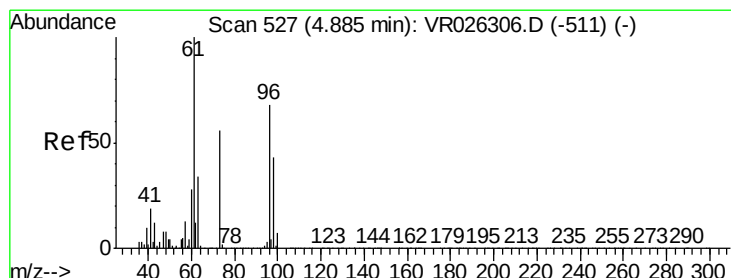
Tgt Ion: 96 Resp: 485157

Ion Ratio Lower Upper

96 100

61 153.6 102.5 190.3

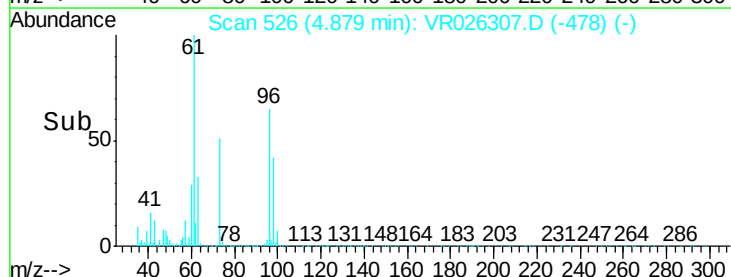
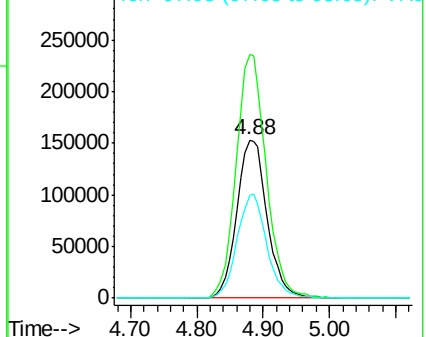
98 64.9 43.9 81.5

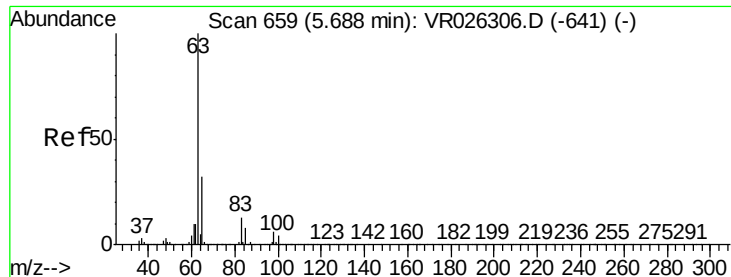


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 97.95 (97.65 to 98.65): VR0

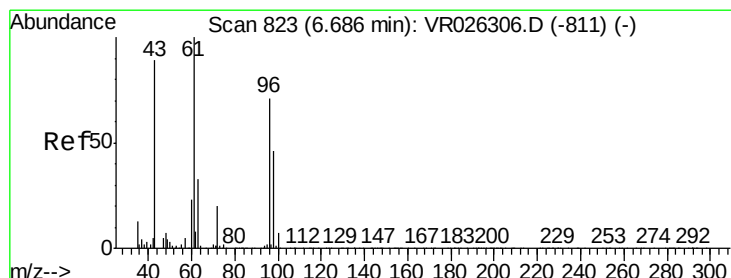
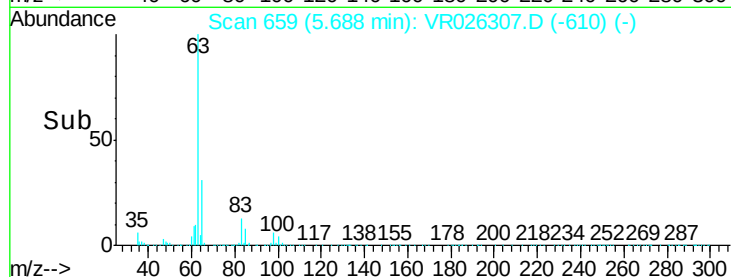
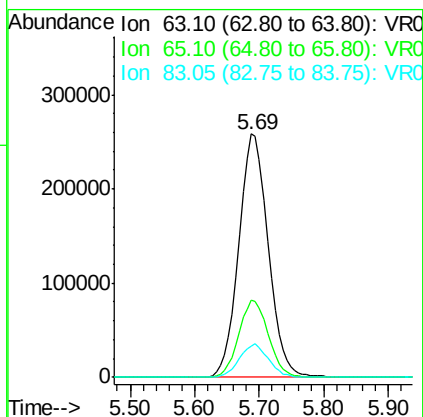
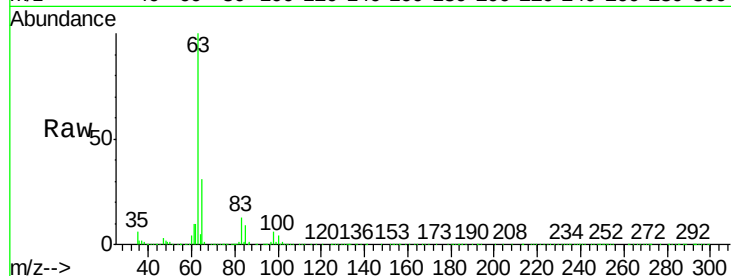




#19
 1,1-Dichloroethane
 Concen: 9.306 ug/L
 RT: 5.69 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VR026307.D
 Acq: 11 Feb 2019 13:49

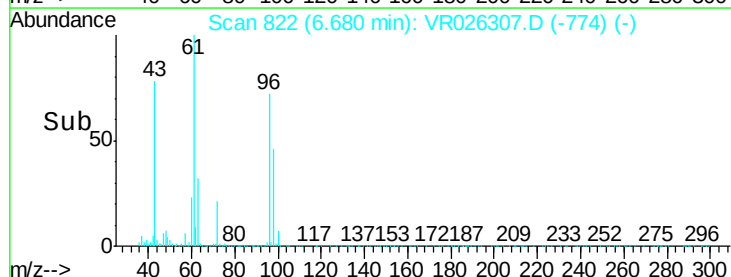
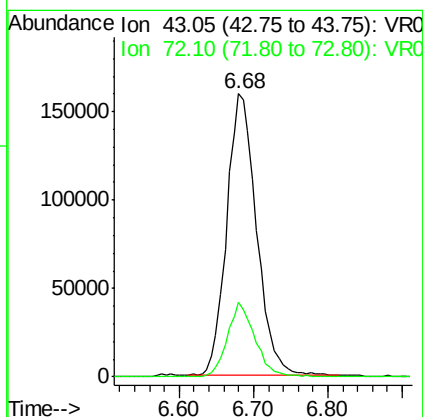
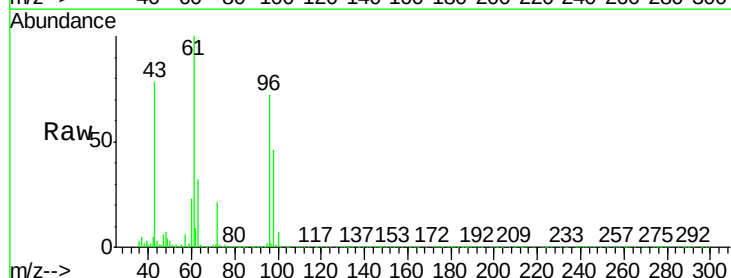
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01084

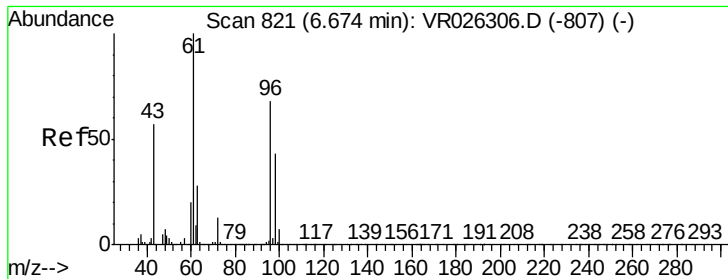
Tgt Ion:	63	Resp:	813267
Ion	Ratio	Lower	Upper
63	100		
65	31.5	22.3	41.3
83	13.0	8.9	16.5



#21
 2-Butanone
 Concen: 109.390 ug/L
 RT: 6.68 min Scan# 822
 Delta R.T. -0.01 min
 Lab File: VR026307.D
 Acq: 11 Feb 2019 13:49

Tgt Ion:	43	Resp:	445800
Ion	Ratio	Lower	Upper
43	100		
72	24.6	11.7	35.1



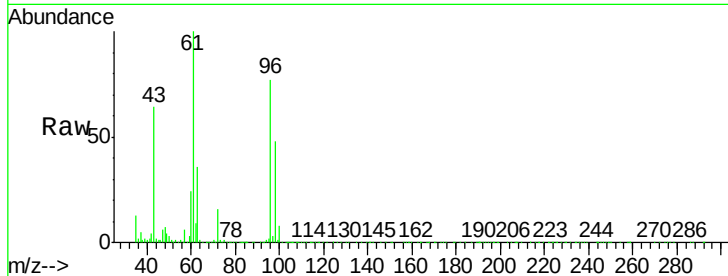


#22

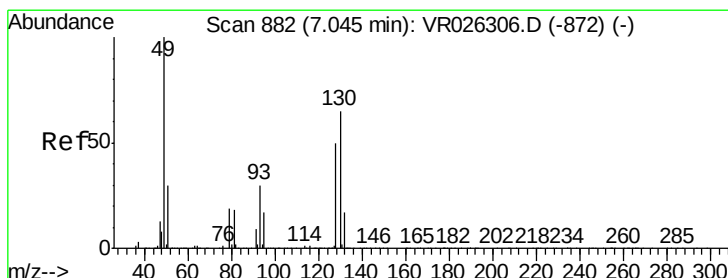
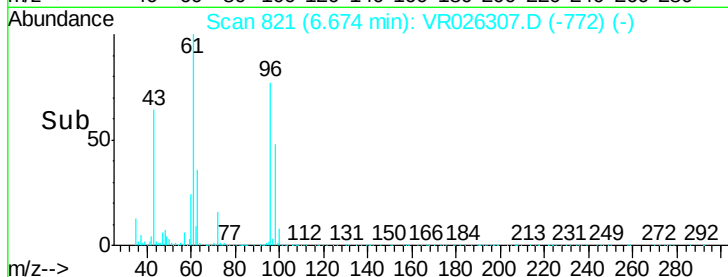
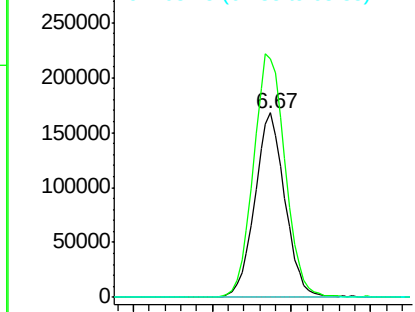
cis-1,2-Dichloroethene
Concen: 10.789 ug/L
RT: 6.67 min Scan# 821
Delta R.T. 0.00 min
Lab File: VR026307.D
Acq: 11 Feb 2019 13:49

Instrument :
MSVOA_R
ClientSampleId :
VSTD01084

Tgt Ion: 96 Resp: 443055
Ion Ratio Lower Upper
96 100
61 129.4 103.3 191.9
68 0.1 0.1 0.3#



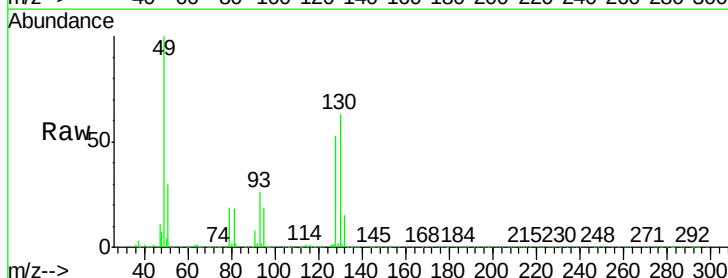
Abundance Ion 96.00 (95.70 to 96.70): VR0
Ion 61.05 (60.75 to 61.75): VR0
Ion 68.15 (67.85 to 68.85): VR0



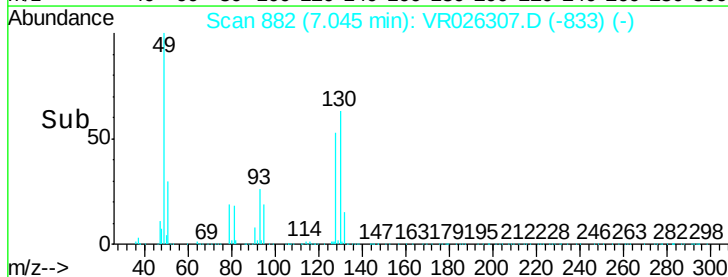
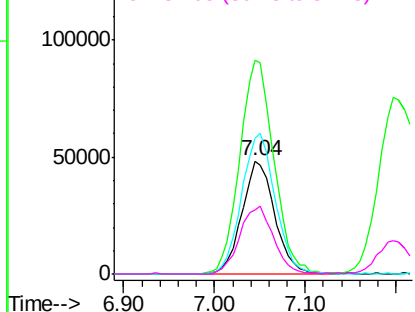
#23

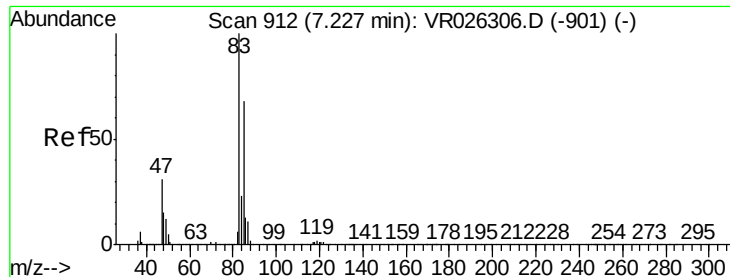
Bromochloromethane
Concen: 9.403 ug/L
RT: 7.04 min Scan# 882
Delta R.T. 0.00 min
Lab File: VR026307.D
Acq: 11 Feb 2019 13:49

Tgt Ion: 128 Resp: 120447
Ion Ratio Lower Upper
128 100
49 188.9 140.6 261.2
130 120.0 91.1 169.1
51 56.5 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: 9.349 ug/L

RT: 7.23 min Scan# 912

Delta R.T. 0.00 min

Lab File: VR026307.D

Acq: 11 Feb 2019 13:49

Instrument :

MSVOA_R

ClientSampleId :

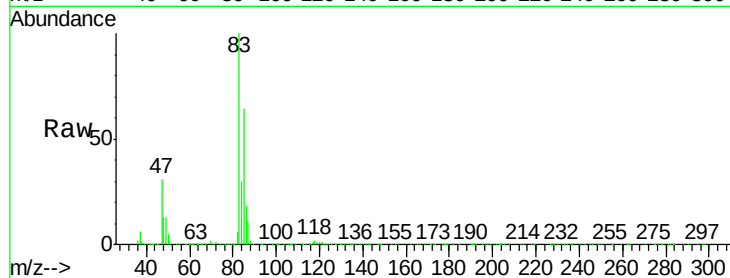
VSTD01084

Tgt Ion: 83 Resp: 793703

Ion Ratio Lower Upper

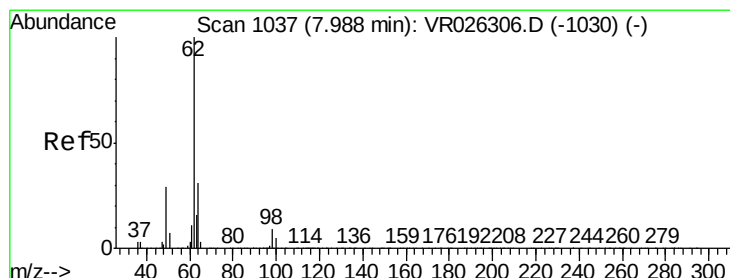
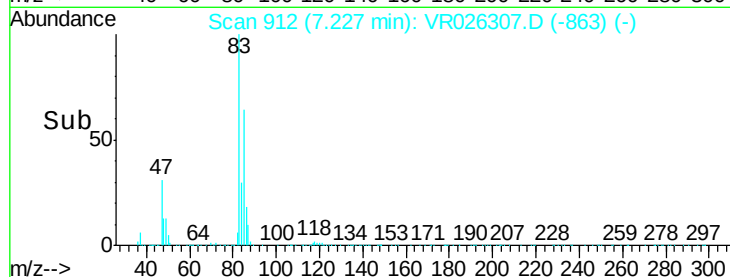
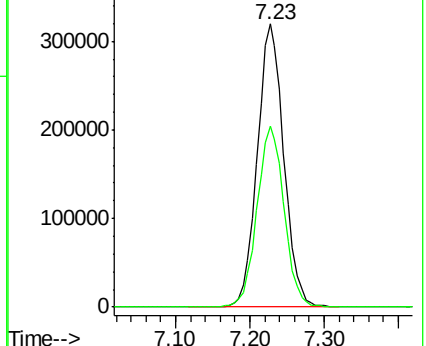
83 100

85 64.0 47.6 88.4



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0



#27

1,2-Dichloroethane

Concen: 9.501 ug/L

RT: 7.99 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VR026307.D

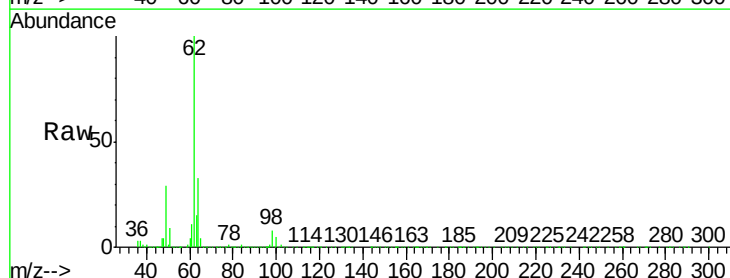
Acq: 11 Feb 2019 13:49

Tgt Ion: 62 Resp: 348923

Ion Ratio Lower Upper

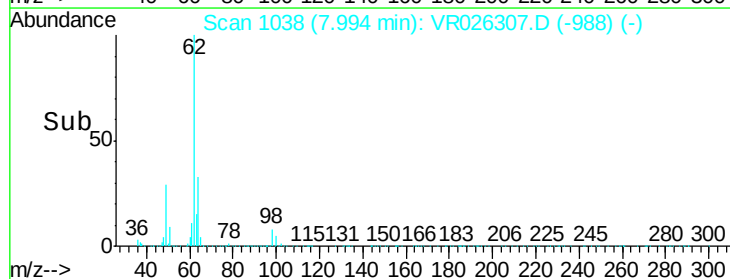
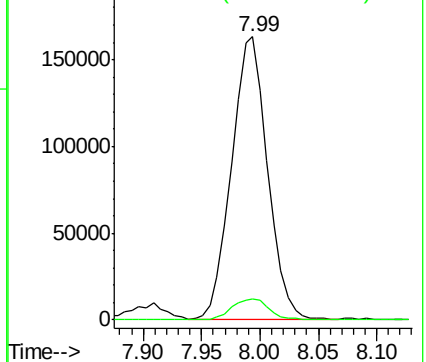
62 100

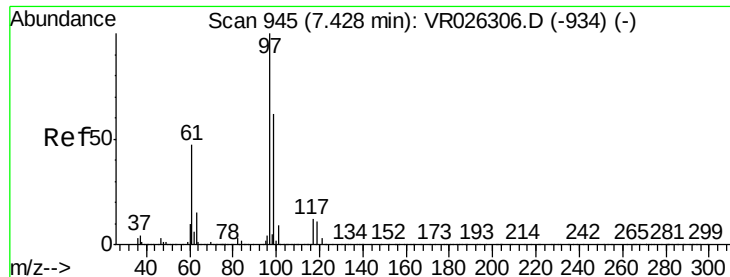
98 7.6 7.0 10.6



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0





#29

1,1,1-Trichloroethane

Concen: 9.042 ug/L

RT: 7.43 min Scan# 945

Delta R.T. 0.00 min

Lab File: VR026307.D

Acq: 11 Feb 2019 13:49

Instrument :

MSVOA_R

ClientSampled :

VSTD01084

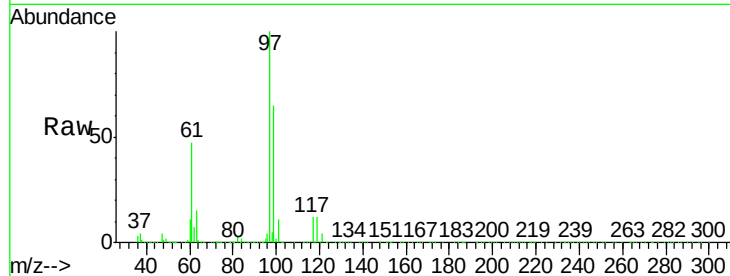
Tgt Ion: 97 Resp: 761921

Ion Ratio Lower Upper

97 100

99 63.7 52.1 78.1

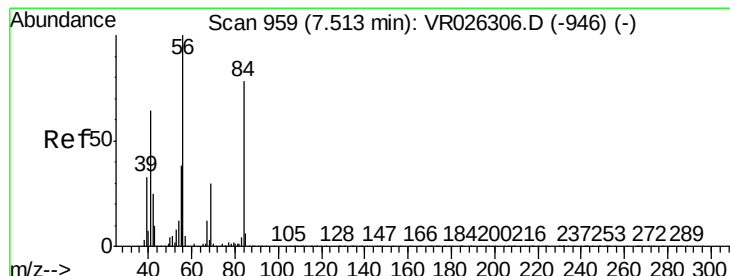
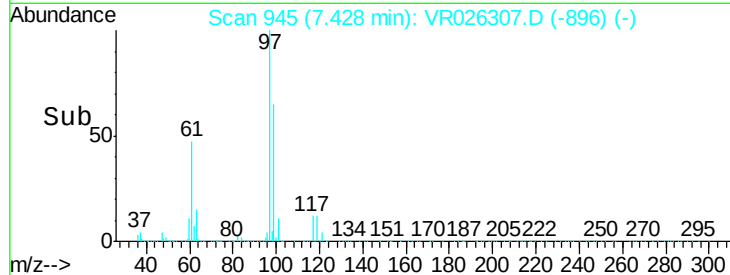
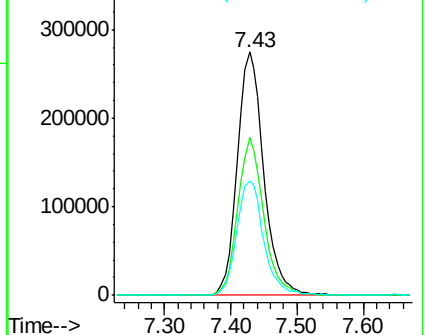
61 48.1 39.1 58.7



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: 11.380 ug/L

RT: 7.51 min Scan# 959

Delta R.T. 0.00 min

Lab File: VR026307.D

Acq: 11 Feb 2019 13:49

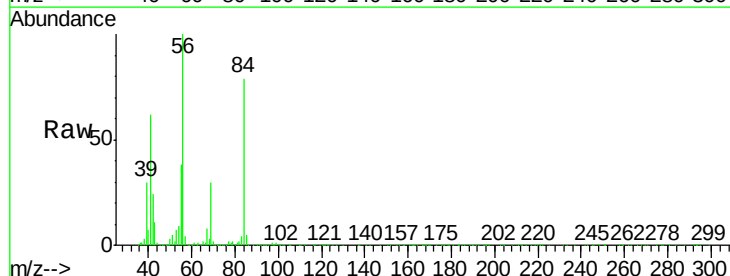
Tgt Ion: 56 Resp: 767782

Ion Ratio Lower Upper

56 100

69 29.6 23.4 35.2

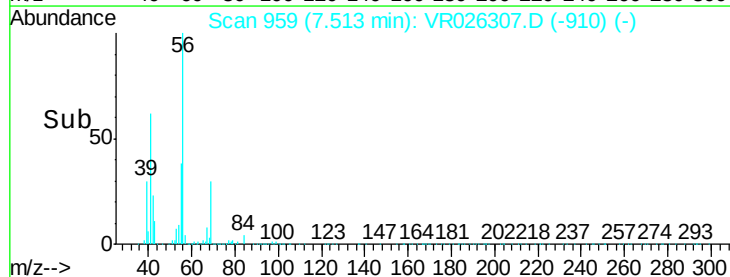
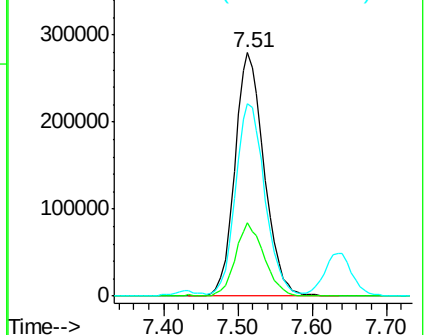
84 79.8 63.8 95.6

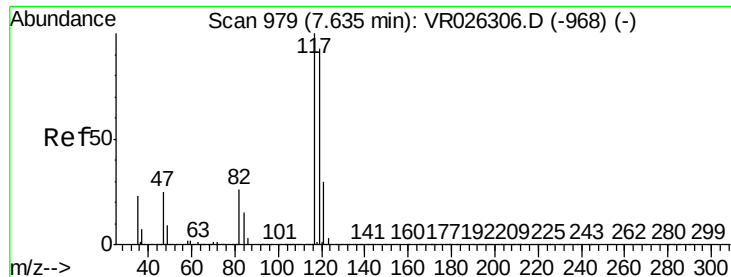


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0

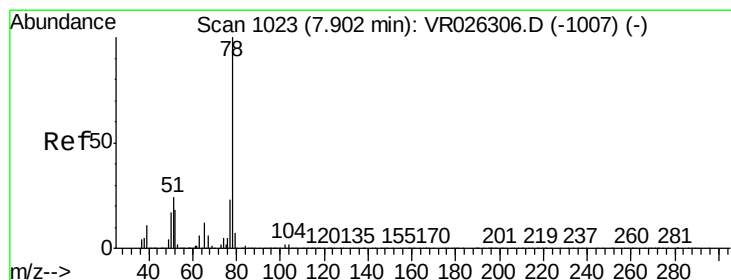
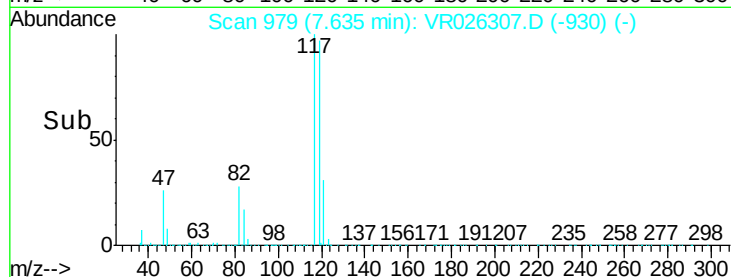
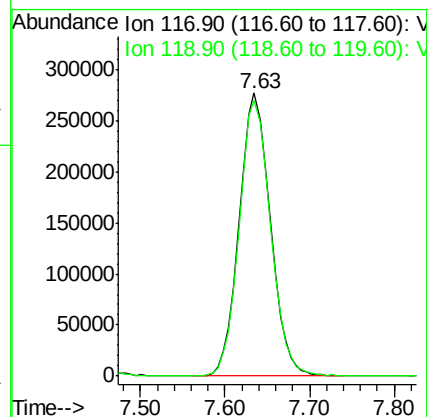
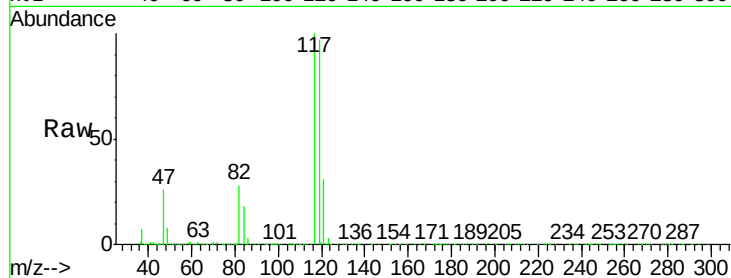




#31
Carbon tetrachloride
Concen: 8.864 ug/L
RT: 7.63 min Scan# 979
Delta R.T. 0.00 min
Lab File: VR026307.D
Acq: 11 Feb 2019 13:49

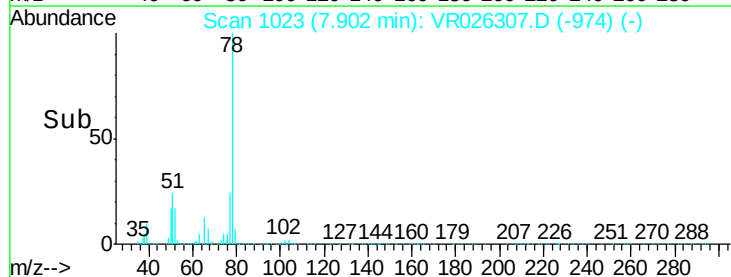
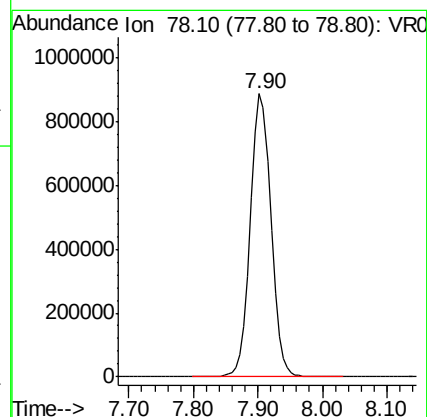
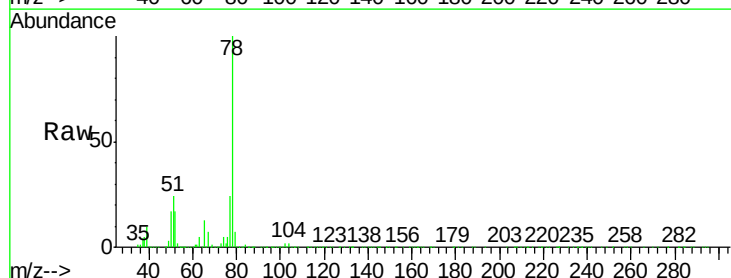
Instrument :
MSVOA_R
ClientSampleId :
VSTD01084

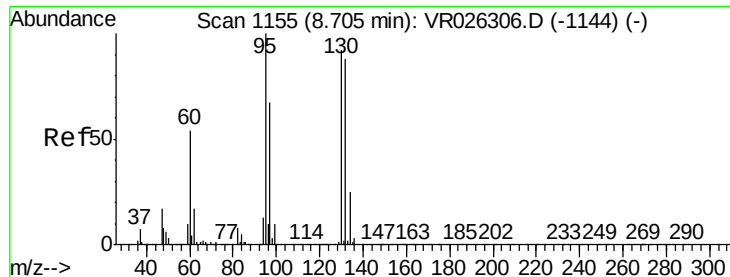
Tgt Ion:117 Resp: 692366
Ion Ratio Lower Upper
117 100
119 97.8 75.5 113.3



#33
Benzene
Concen: 9.607 ug/L
RT: 7.90 min Scan# 1023
Delta R.T. 0.00 min
Lab File: VR026307.D
Acq: 11 Feb 2019 13:49

Tgt Ion: 78 Resp: 1945880





#34

Trichloroethene

Concen: 9.406 ug/L

RT: 8.71 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VR026307.D

Acq: 11 Feb 2019 13:49

Instrument :

MSVOA_R

ClientSampleId :

VSTD01084

Tgt Ion: 95 Resp: 491208

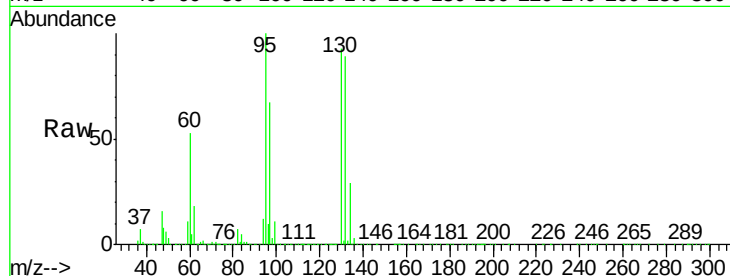
Ion Ratio Lower Upper

95 100

97 66.6 46.6 86.6

132 89.0 61.9 114.9

130 93.1 64.3 119.5

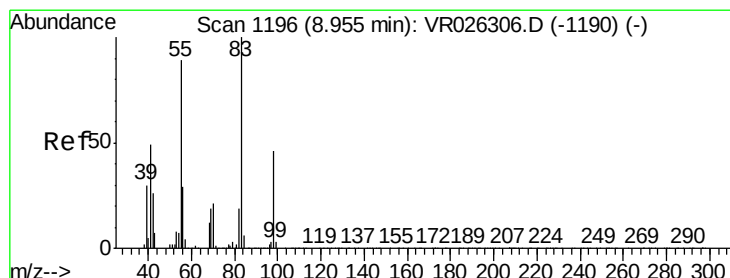
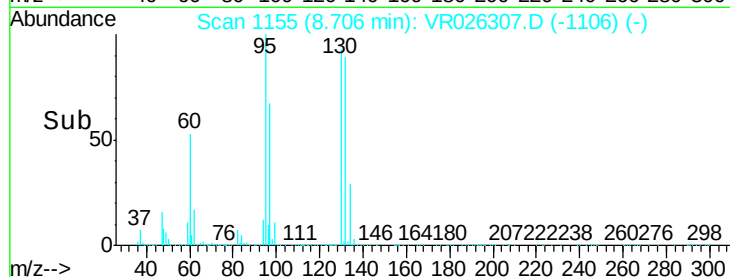
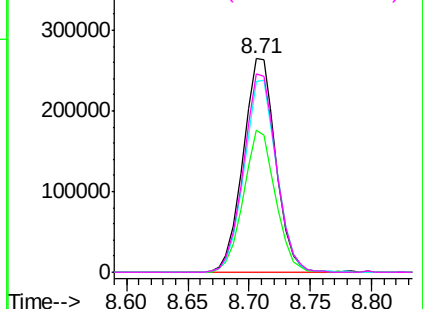


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 10.924 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. 0.00 min

Lab File: VR026307.D

Acq: 11 Feb 2019 13:49

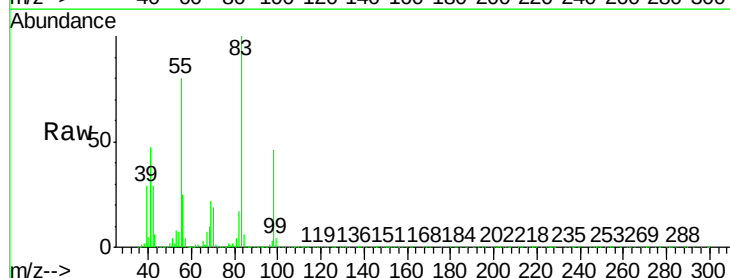
Tgt Ion: 83 Resp: 793320

Ion Ratio Lower Upper

83 100

55 81.8 68.8 103.2

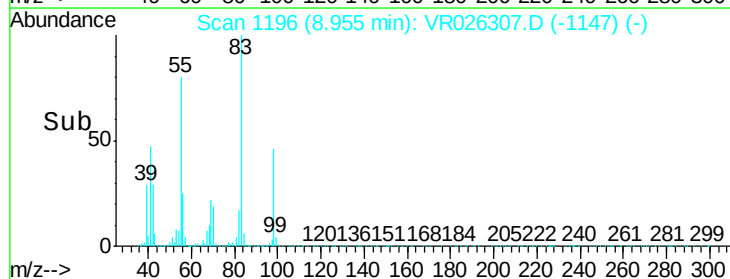
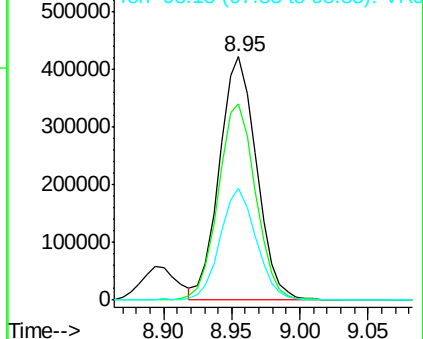
98 44.5 36.3 54.5

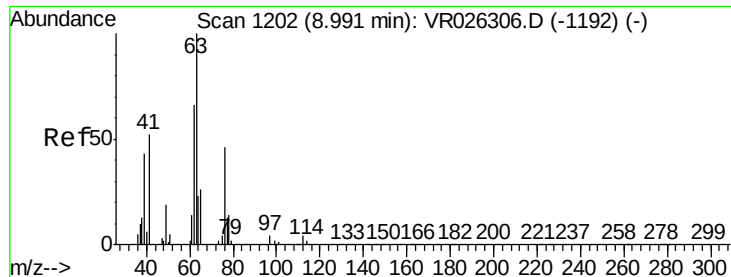


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

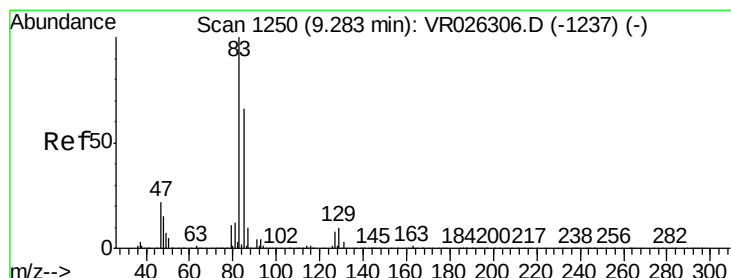
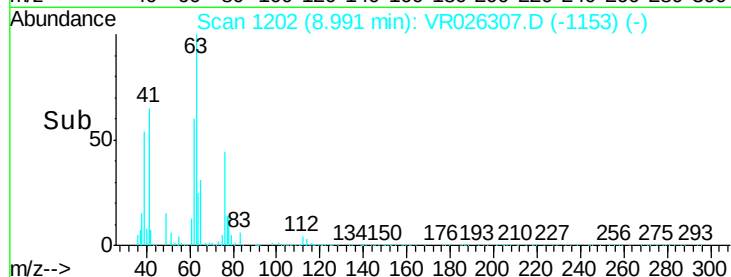
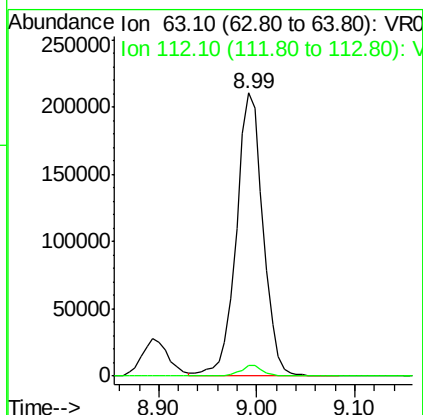
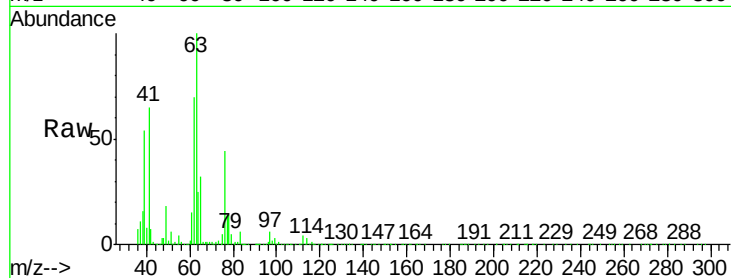




#37
 1,2-Dichloropropane
 Concen: 9.082 ug/L
 RT: 8.99 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VR026307.D
 Acq: 11 Feb 2019 13:49

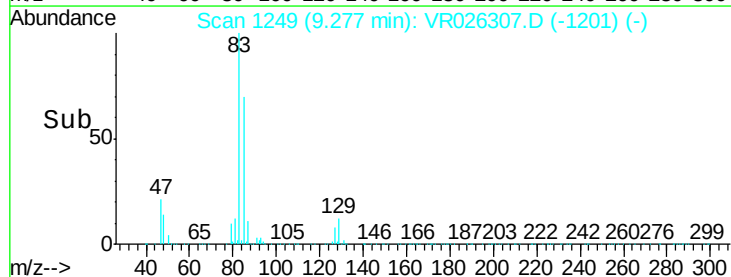
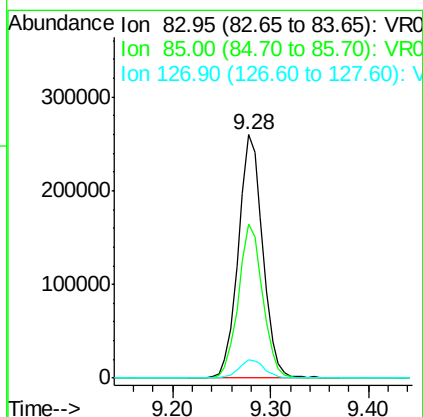
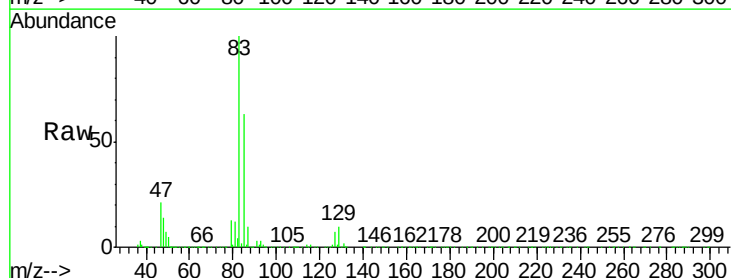
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01084

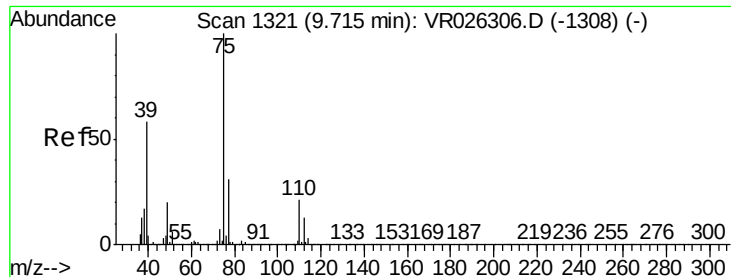
Tgt Ion: 63 Resp: 397203
 Ion Ratio Lower Upper
 63 100
 112 3.2 3.3 4.9#



#38
 Bromodichloromethane
 Concen: 9.197 ug/L
 RT: 9.28 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: VR026307.D
 Acq: 11 Feb 2019 13:49

Tgt Ion: 83 Resp: 448526
 Ion Ratio Lower Upper
 83 100
 85 63.1 46.3 85.9
 127 7.5 6.2 9.4





#39

cis-1,3-Dichloropropene

Concen: 11.134 ug/L

RT: 9.72 min Scan# 1321

Delta R.T. 0.00 min

Lab File: VR026307.D

Acq: 11 Feb 2019 13:49

Instrument :

MSVOA_R

ClientSampleId :

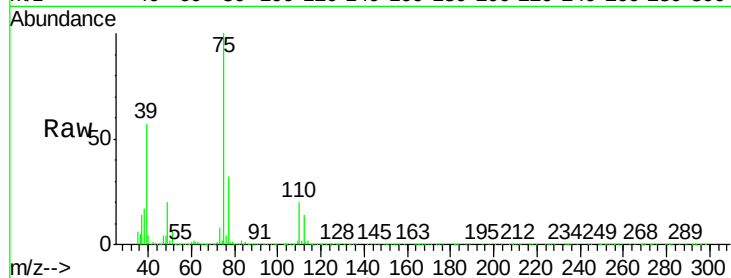
VSTD01084

Tgt Ion: 75 Resp: 501061

Ion Ratio Lower Upper

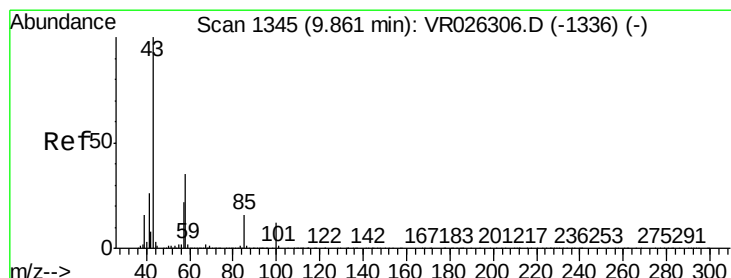
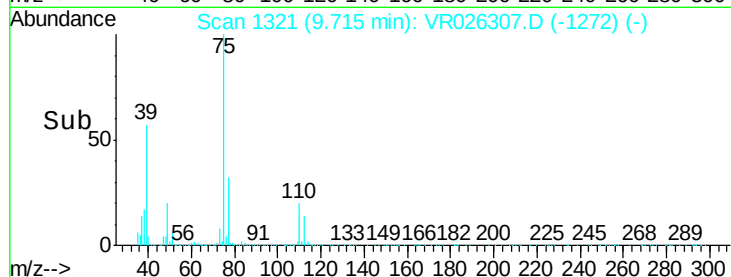
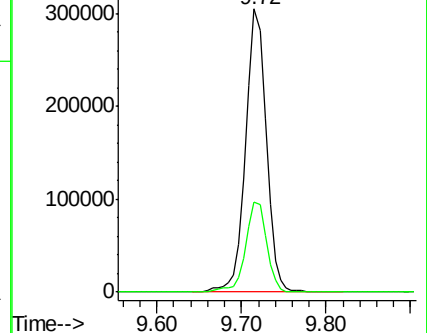
75 100

77 31.9 21.7 40.3



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0



#40

4-Methyl-2-pentanone

Concen: 113.615 ug/L

RT: 9.86 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VR026307.D

Acq: 11 Feb 2019 13:49

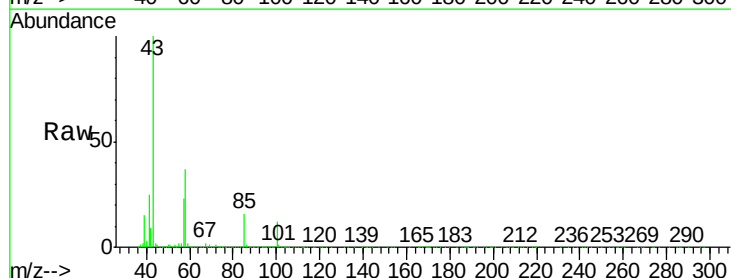
Tgt Ion: 43 Resp: 1145383

Ion Ratio Lower Upper

43 100

58 36.0 28.7 43.1

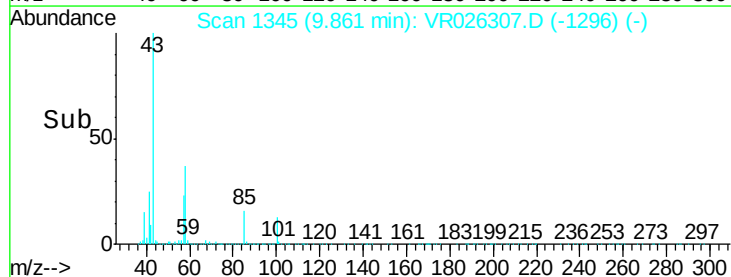
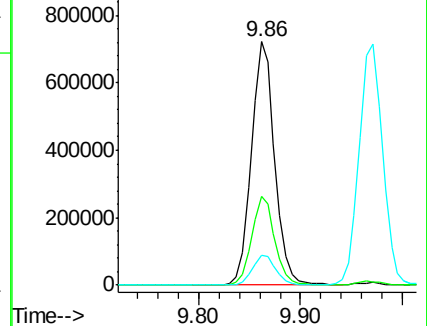
100 12.6 9.8 14.6

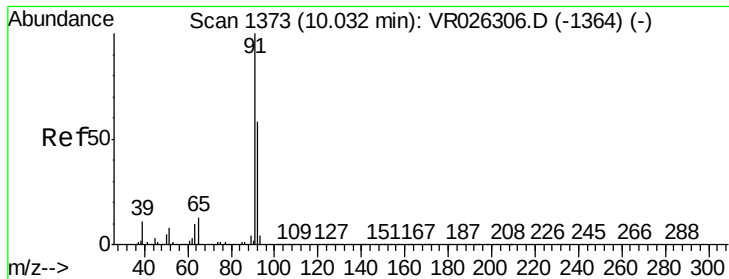


Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0





#42

Toluene

Concen: 10.086 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. 0.00 min

Lab File: VR026307.D

Acq: 11 Feb 2019 13:49

Instrument :

MSVOA_R

ClientSampleId :

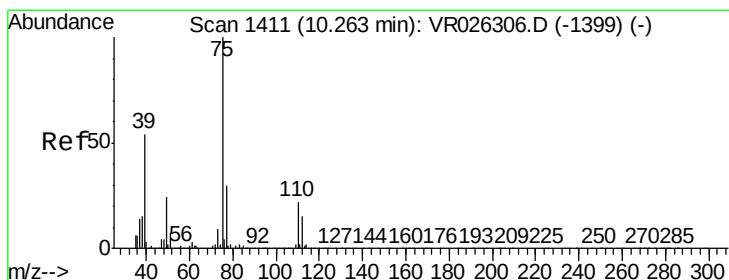
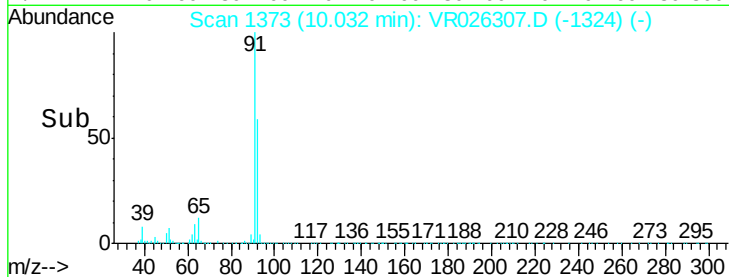
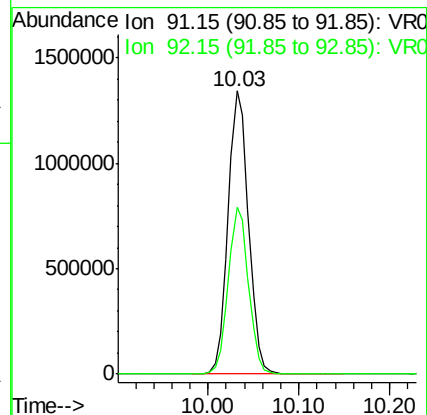
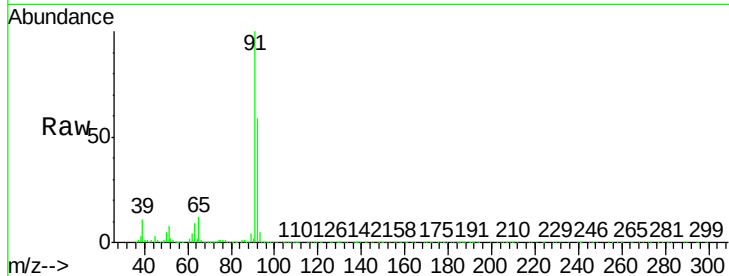
VSTD01084

Tgt Ion: 91 Resp: 2099733

Ion Ratio Lower Upper

91 100

92 58.9 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 10.634 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR026307.D

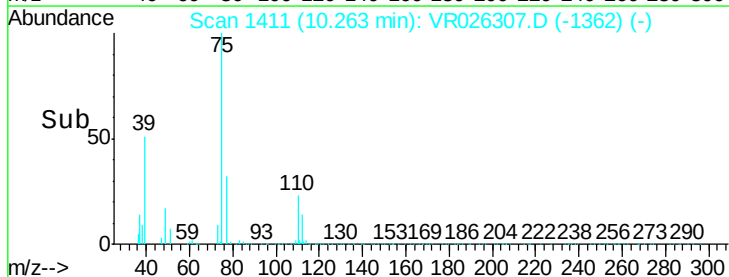
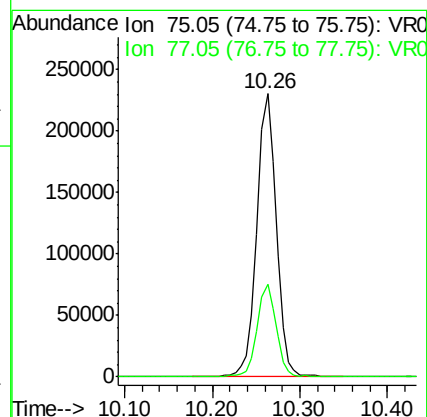
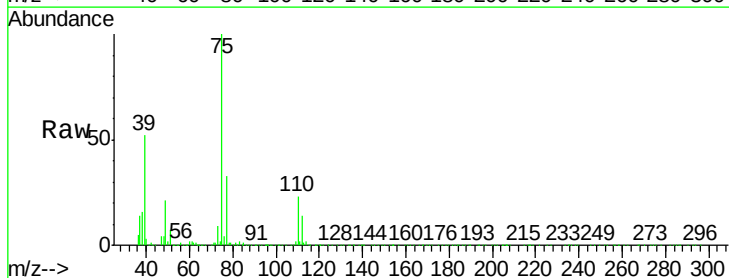
Acq: 11 Feb 2019 13:49

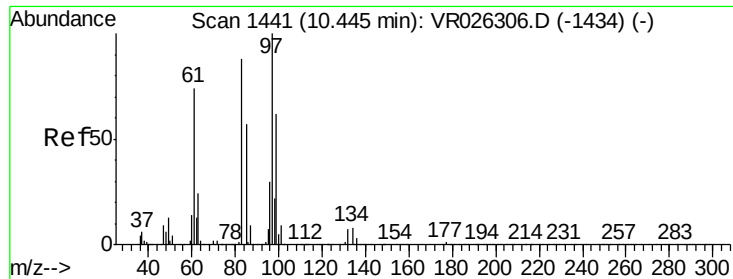
Tgt Ion: 75 Resp: 355024

Ion Ratio Lower Upper

75 100

77 32.8 21.6 40.2

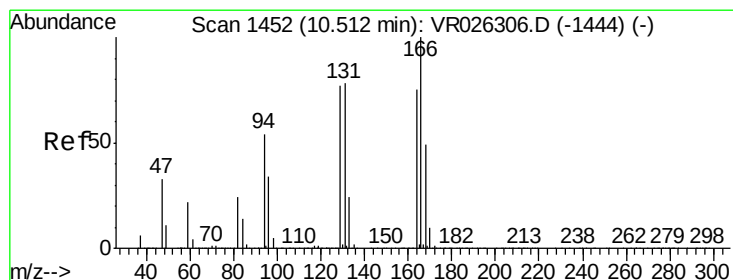
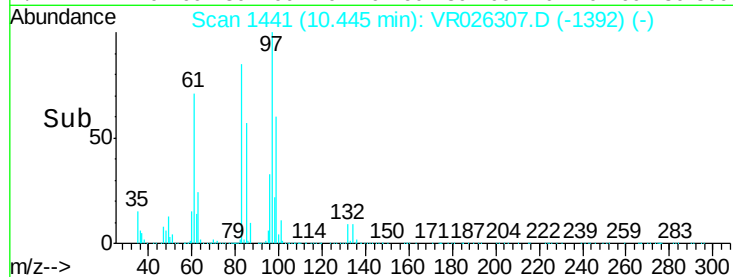
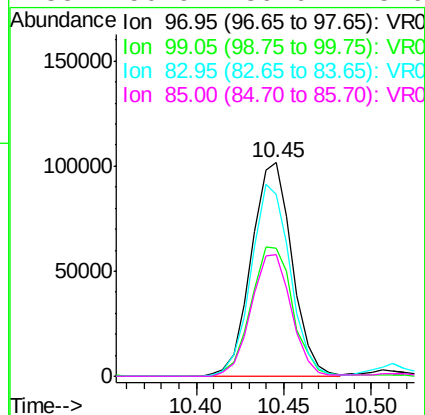
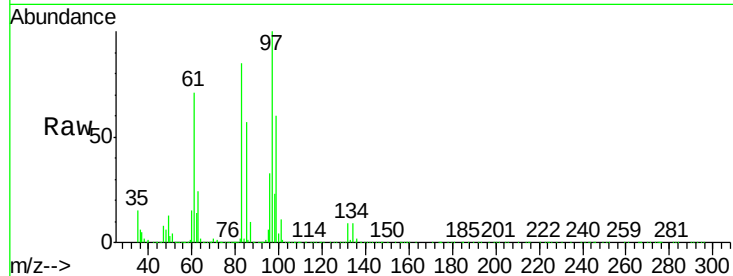




#45
 1,1,2-Trichloroethane
 Concen: 9.017 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VR026307.D
 Acq: 11 Feb 2019 13:49

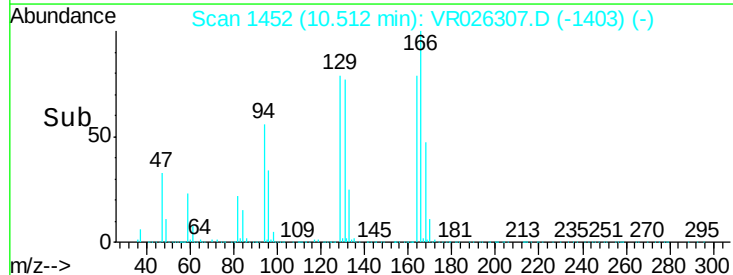
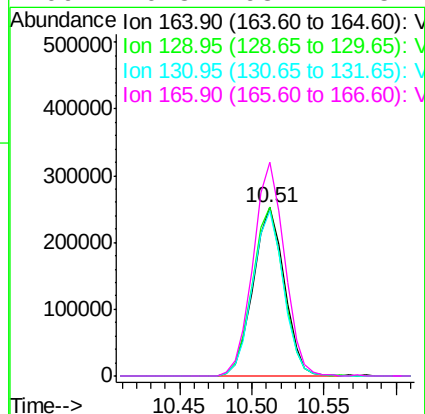
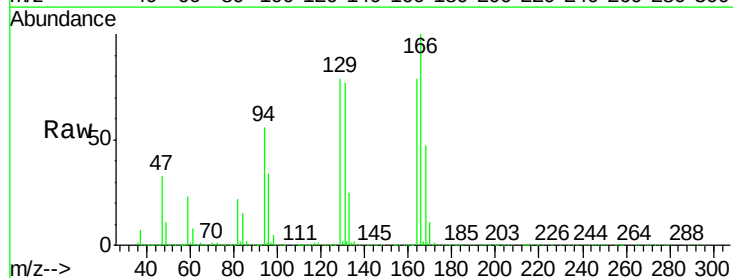
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01084

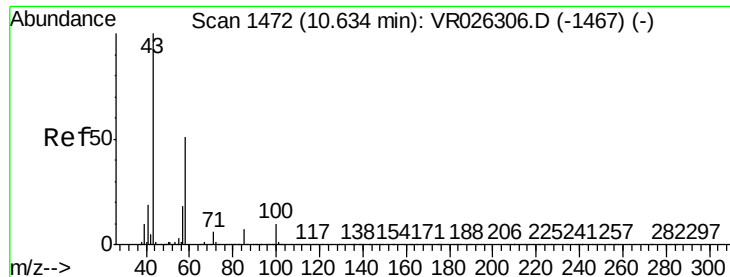
Tgt Ion:	97	Resp:	164661
Ion	Ratio	Lower	Upper
97	100		
99	59.7	43.0	80.0
83	85.2	61.5	114.3
85	56.9	39.6	73.6



#47
 Tetrachloroethene
 Concen: 9.420 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: VR026307.D
 Acq: 11 Feb 2019 13:49

Tgt Ion:	164	Resp:	377476
Ion	Ratio	Lower	Upper
164	100		
129	100.1	71.5	132.9
131	97.8	72.8	135.2
166	126.8	93.4	173.4

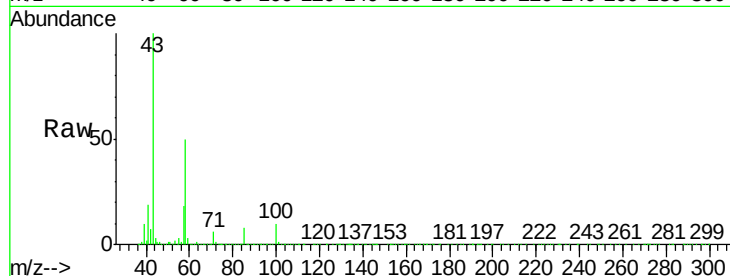




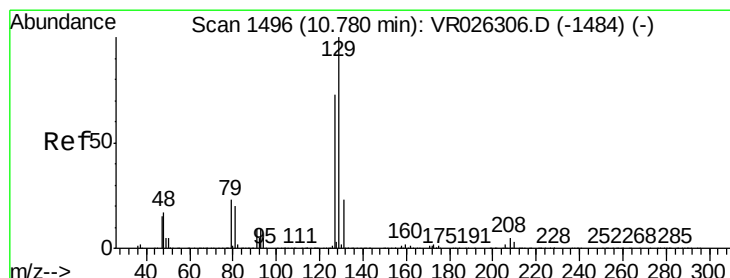
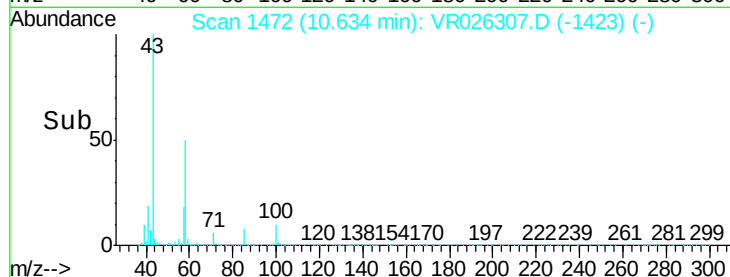
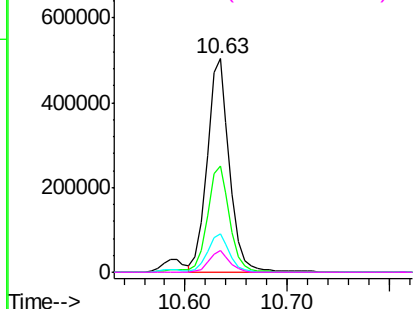
#48
2-Hexanone
Concen: 112.031 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR026307.D
Acq: 11 Feb 2019 13:49

Instrument :
MSVOA_R
ClientSampleId :
VSTD01084

Tgt Ion:	43	Resp:	759444
Ion	Ratio	Lower	Upper
43	100		
58	51.5	41.2	61.8
57	17.8	13.8	20.8
100	9.4	7.8	11.6

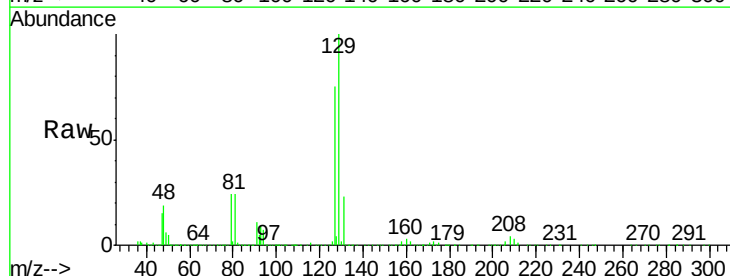


Abundance Ion 43.05 (42.75 to 43.75): VR0
Ion 58.05 (57.75 to 58.75): VR0
Ion 57.20 (56.90 to 57.90): VR0
Ion 100.15 (99.85 to 100.85): VR0

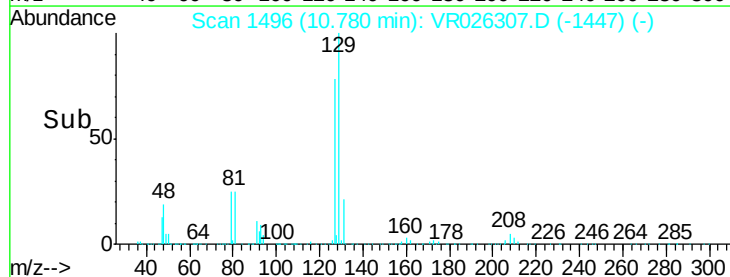
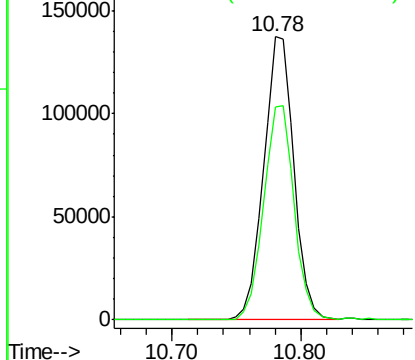


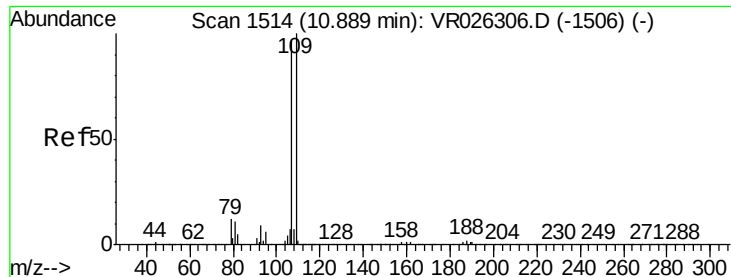
#49
Dibromochloromethane
Concen: 9.474 ug/L
RT: 10.78 min Scan# 1496
Delta R.T. 0.00 min
Lab File: VR026307.D
Acq: 11 Feb 2019 13:49

Tgt Ion:	129	Resp:	222349
Ion	Ratio	Lower	Upper
129	100		
127	75.3	51.4	95.5



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

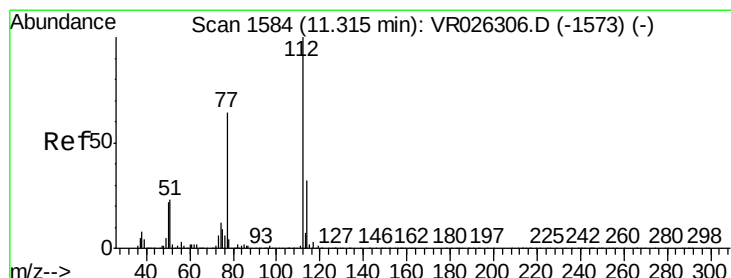
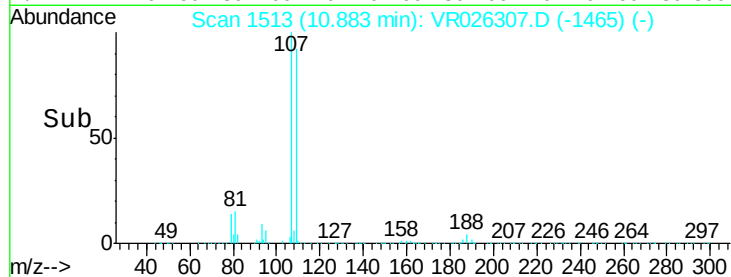
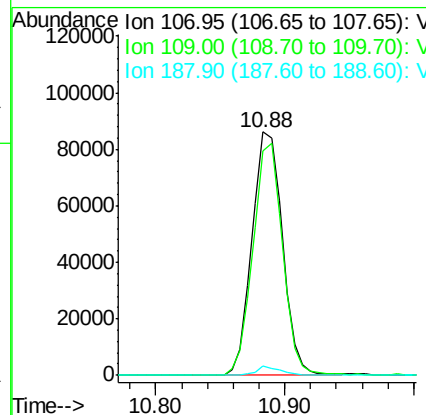
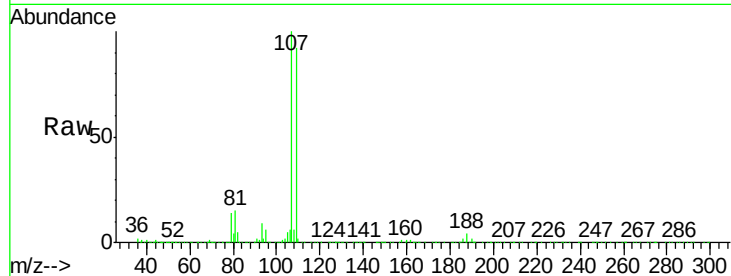




#50
 1,2-Dibromoethane
 Concen: 9.673 ug/L
 RT: 10.88 min Scan# 1513
 Delta R.T. -0.01 min
 Lab File: VR026307.D
 Acq: 11 Feb 2019 13:49

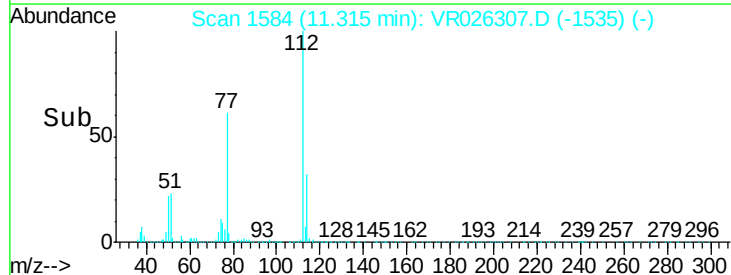
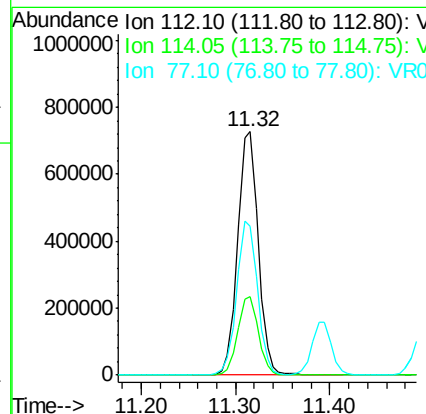
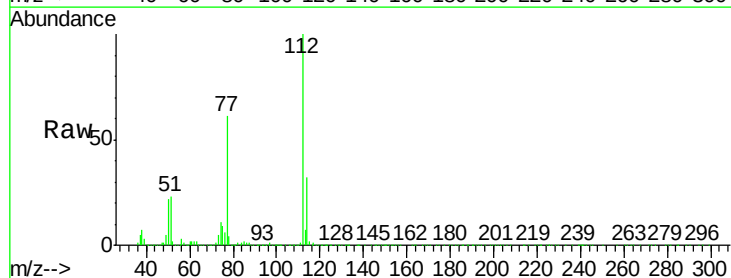
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01084

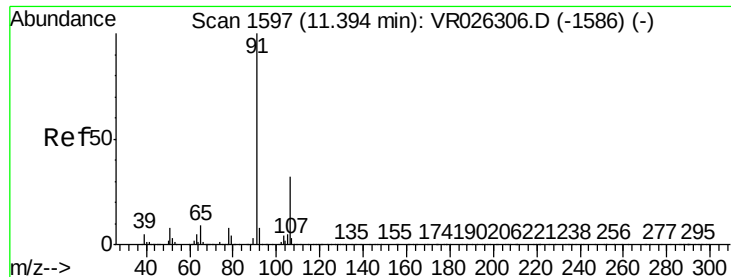
Tgt Ion:107 Resp: 140451
 Ion Ratio Lower Upper
 107 100
 109 92.0 72.7 135.1
 188 3.7 1.9 2.9#



#51
 Chlorobenzene
 Concen: 9.253 ug/L
 RT: 11.32 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VR026307.D
 Acq: 11 Feb 2019 13:49

Tgt Ion:112 Resp: 1101392
 Ion Ratio Lower Upper
 112 100
 114 32.5 22.5 41.9
 77 61.2 51.3 76.9





#52

Ethylbenzene

Concen: 10.338 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR026307.D

Acq: 11 Feb 2019 13:49

Instrument :

MSVOA_R

ClientSampleId :

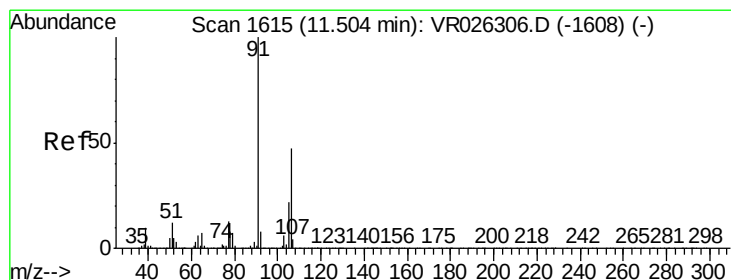
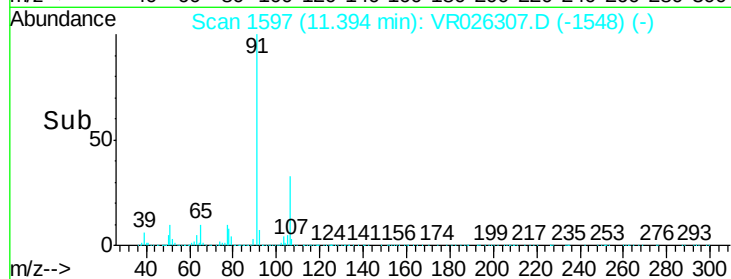
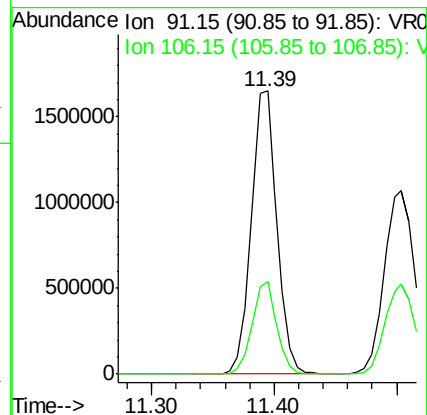
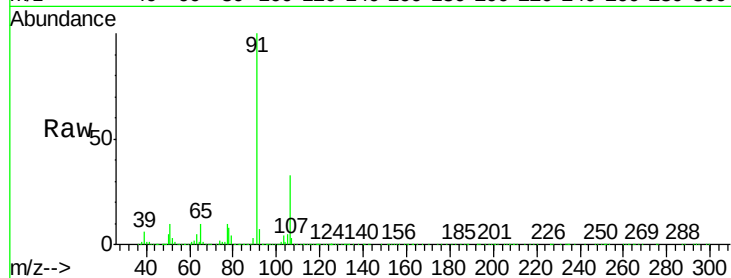
VSTD01084

Tgt Ion: 91 Resp: 2406160

Ion Ratio Lower Upper

91 100

106 32.9 22.3 41.3



#53

m,p-Xylene

Concen: 10.500 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR026307.D

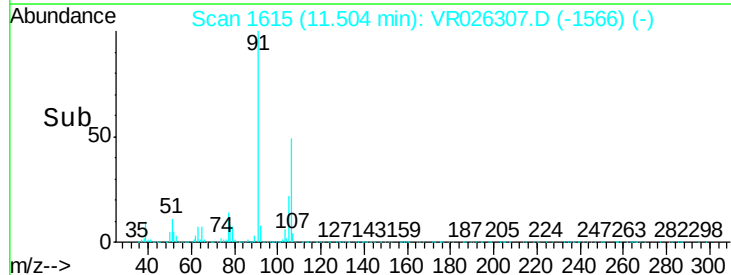
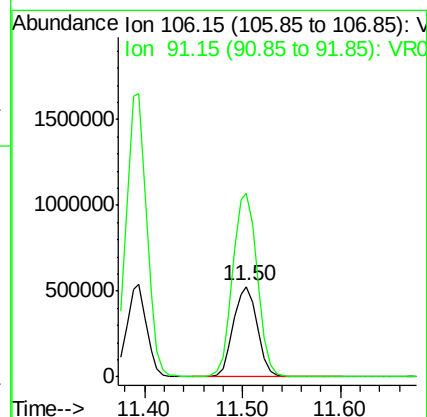
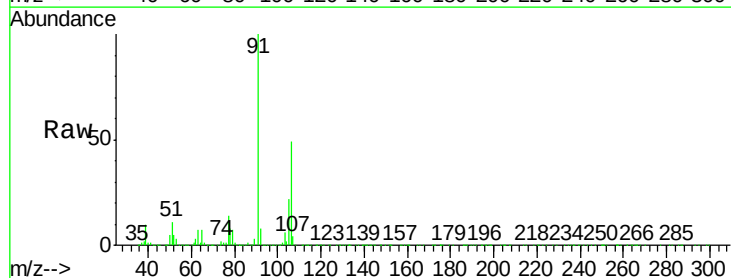
Acq: 11 Feb 2019 13:49

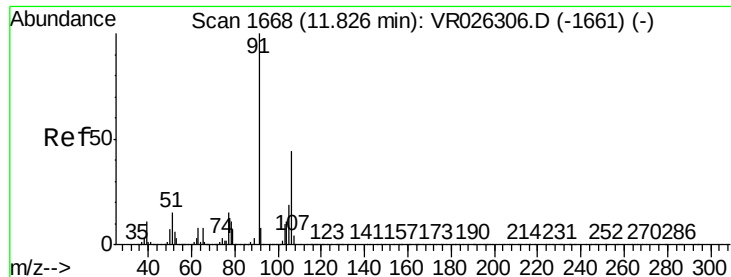
Tgt Ion: 106 Resp: 892972

Ion Ratio Lower Upper

106 100

91 203.4 148.2 275.2





#54

o-Xylene

Concen: 11.308 ug/L

RT: 11.83 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VR026307.D

Acq: 11 Feb 2019 13:49

Instrument :

MSVOA_R

ClientSampleId :

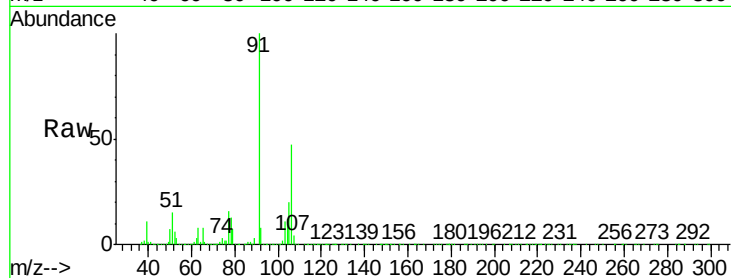
VSTD01084

Tgt Ion:106 Resp: 829393

Ion Ratio Lower Upper

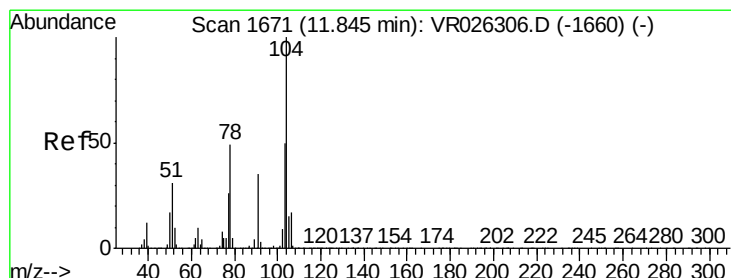
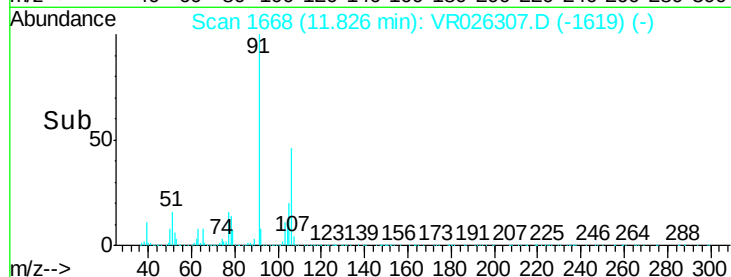
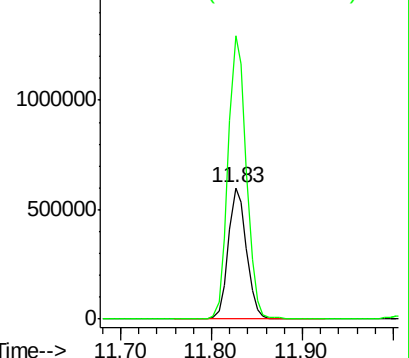
106 100

91 214.9 159.8 296.8



Abundance Ion 106.15 (105.85 to 106.85): V

1500000 Ion 91.15 (90.85 to 91.85): VR0



#55

Styrene

Concen: 10.955 ug/L

RT: 11.84 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VR026307.D

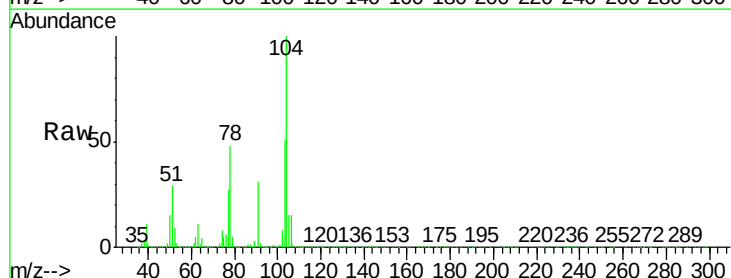
Acq: 11 Feb 2019 13:49

Tgt Ion:104 Resp: 1262234

Ion Ratio Lower Upper

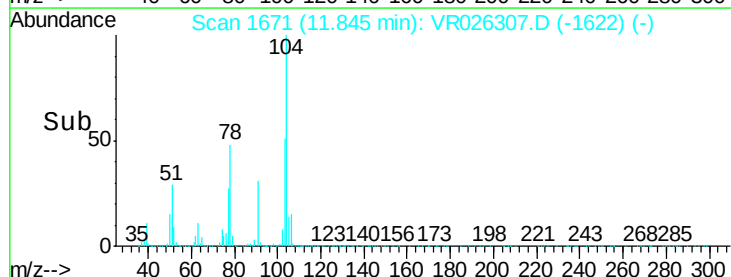
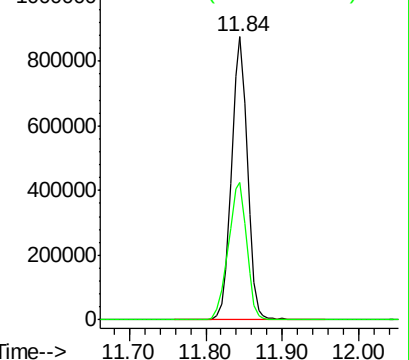
104 100

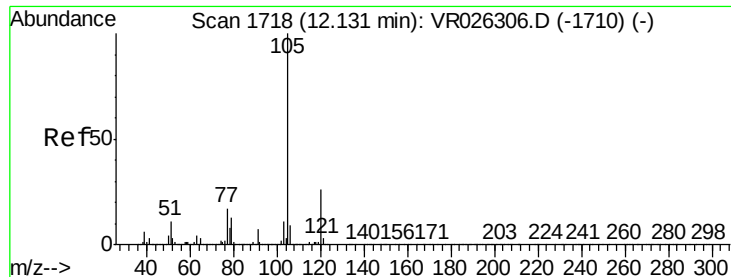
78 48.3 34.5 64.1



Abundance Ion 104.10 (103.80 to 104.80): V

1000000 Ion 78.10 (77.80 to 78.80): VR0





#56

Isopropylbenzene

Concen: 11.210 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026307.D

Acq: 11 Feb 2019 13:49

Instrument :

MSVOA_R

ClientSampleId :

VSTD01084

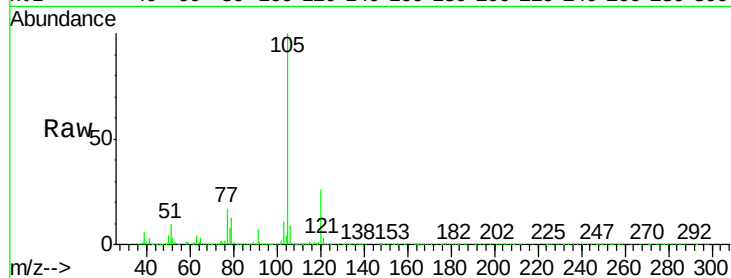
Tgt Ion:105 Resp: 2337399

Ion Ratio Lower Upper

105 100

120 26.4 21.1 31.7

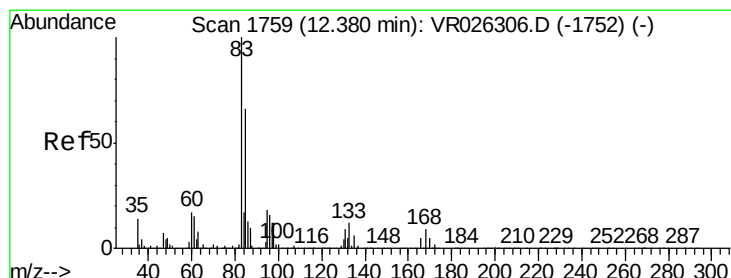
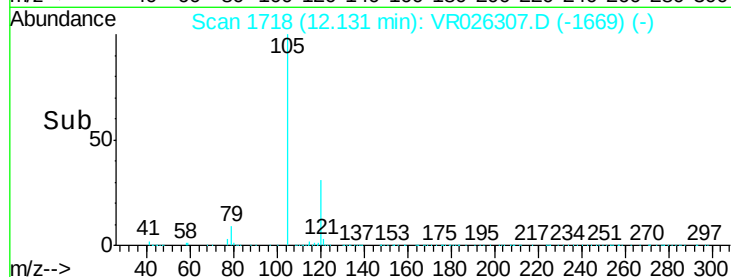
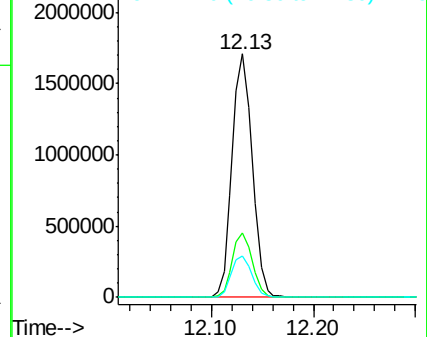
77 17.3 13.9 20.9



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: 9.011 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.01 min

Lab File: VR026307.D

Acq: 11 Feb 2019 13:49

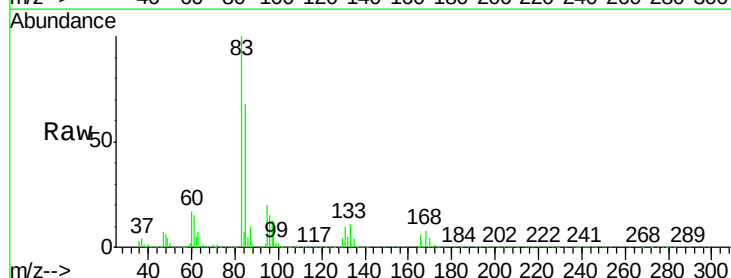
Tgt Ion: 83 Resp: 152430

Ion Ratio Lower Upper

83 100

85 68.1 46.2 85.8

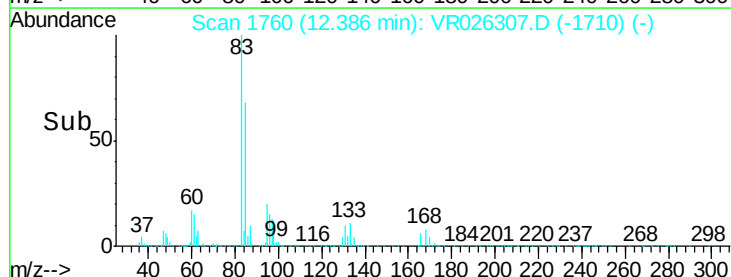
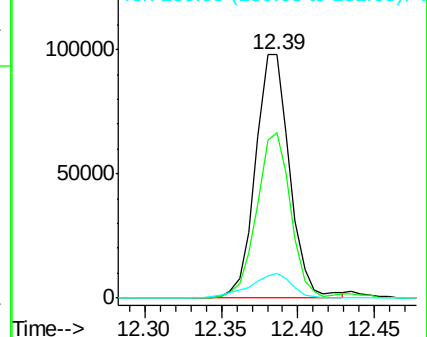
131 10.1 7.3 10.9

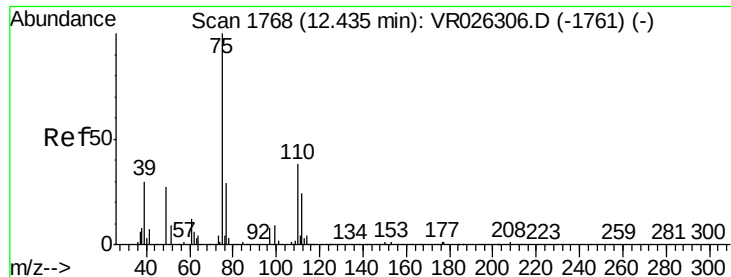


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 9.322 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VR026307.D

Acq: 11 Feb 2019 13:49

Instrument :

MSVOA_R

ClientSampleId :

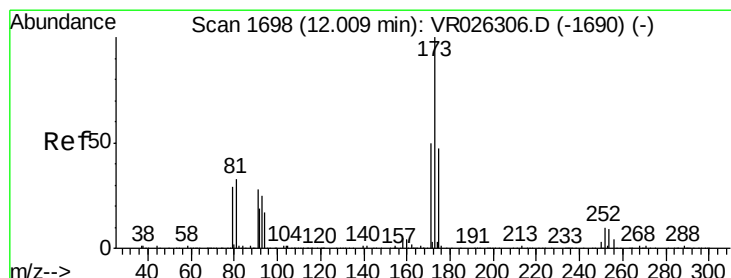
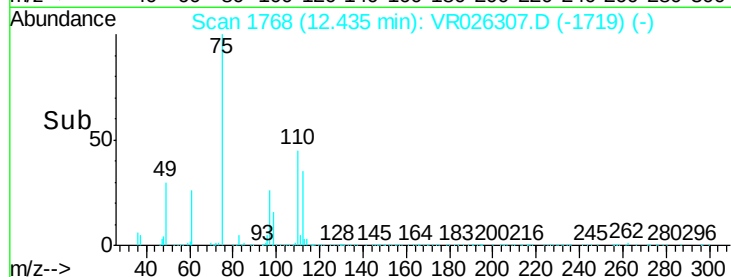
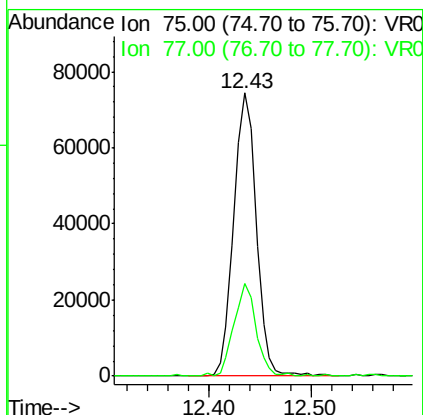
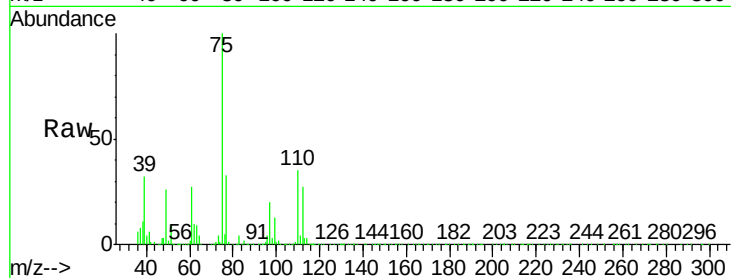
VSTD01084

Tgt Ion: 75 Resp: 113654

Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4



#61

Bromoform

Concen: 8.752 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR026307.D

Acq: 11 Feb 2019 13:49

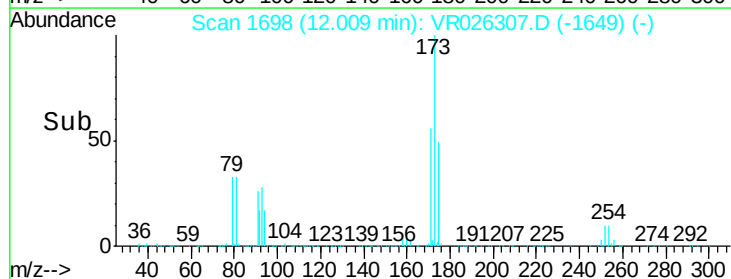
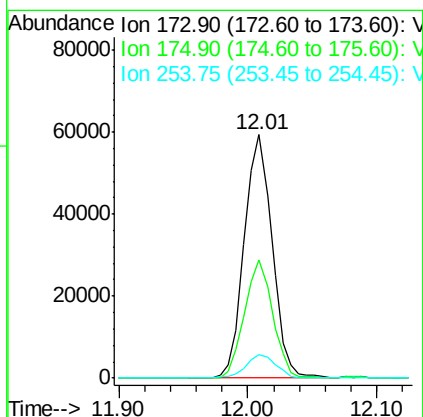
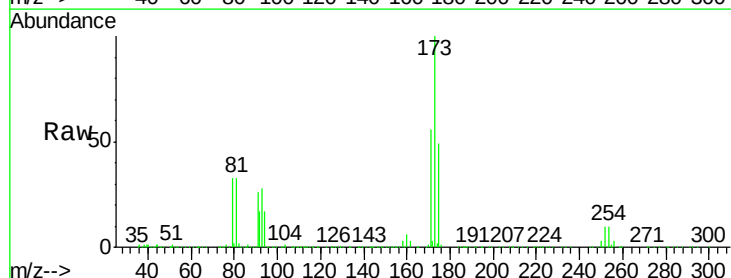
Tgt Ion: 173 Resp: 88695

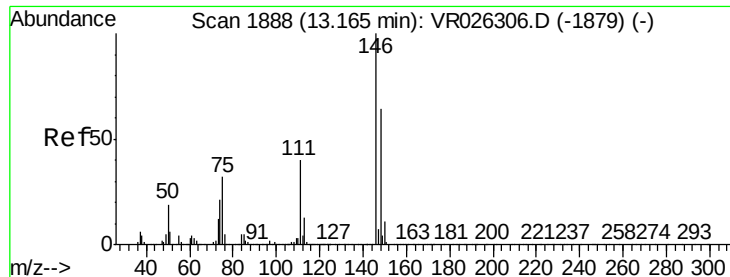
Ion Ratio Lower Upper

173 100

175 49.2 37.1 55.7

254 10.4 8.0 12.0





#62

1,3-Dichlorobenzene

Concen: 9.877 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. -0.01 min

Lab File: VR026307.D

Acq: 11 Feb 2019 13:49

Instrument :

MSVOA_R

ClientSampleId :

VSTD01084

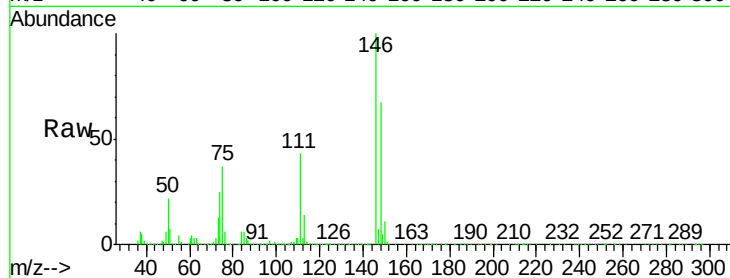
Tgt Ion:146 Resp: 663890

Ion Ratio Lower Upper

146 100

111 43.5 28.1 52.3

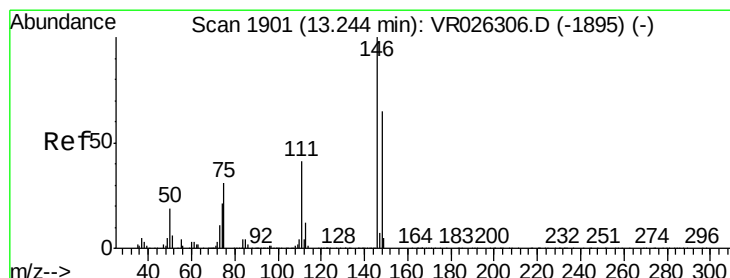
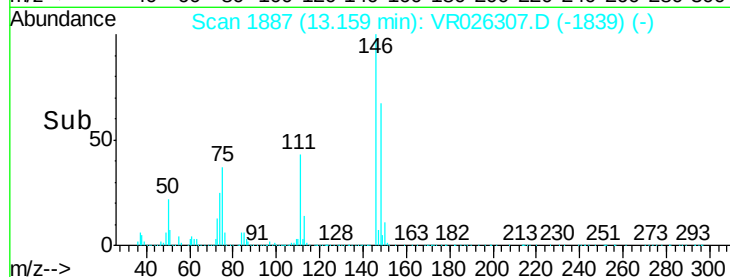
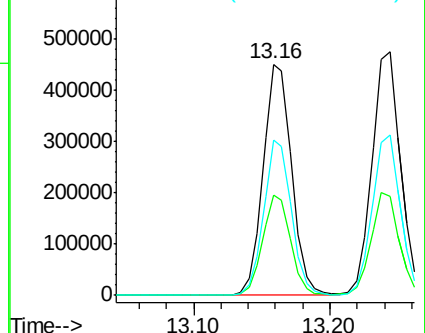
148 67.3 44.7 83.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 9.032 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VR026307.D

Acq: 11 Feb 2019 13:49

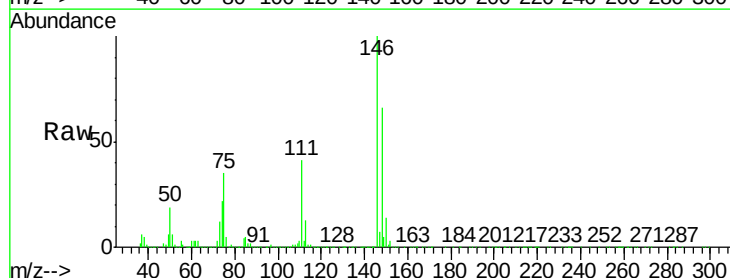
Tgt Ion:146 Resp: 693027

Ion Ratio Lower Upper

146 100

111 40.5 29.1 54.1

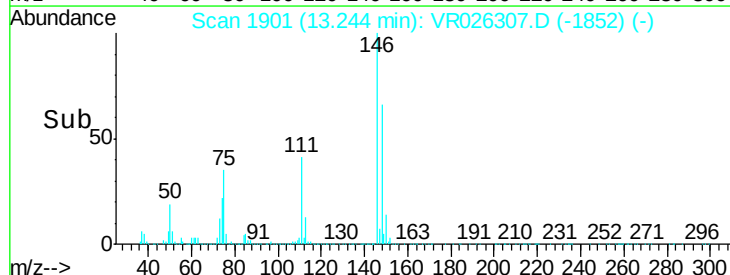
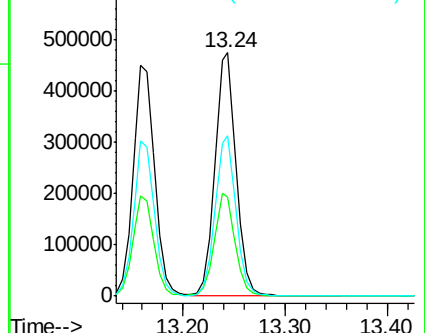
148 65.8 45.6 84.8

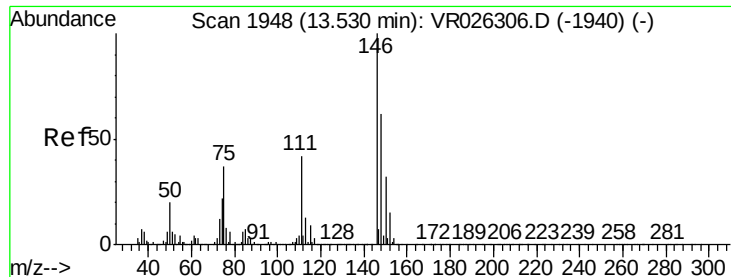


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 9.636 ug/L

RT: 13.53 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VR026307.D

Acq: 11 Feb 2019 13:49

Instrument :

MSVOA_R

ClientSampleId :

VSTD01084

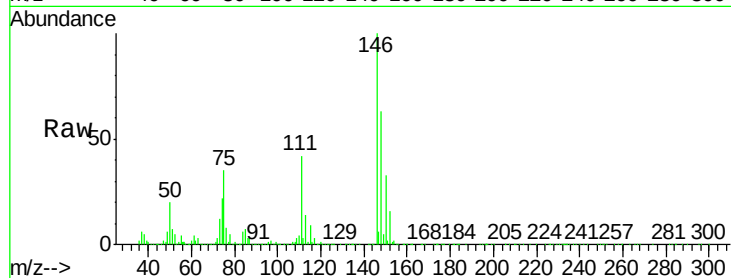
Tgt Ion:146 Resp: 555039

Ion Ratio Lower Upper

146 100

111 41.9 33.6 50.4

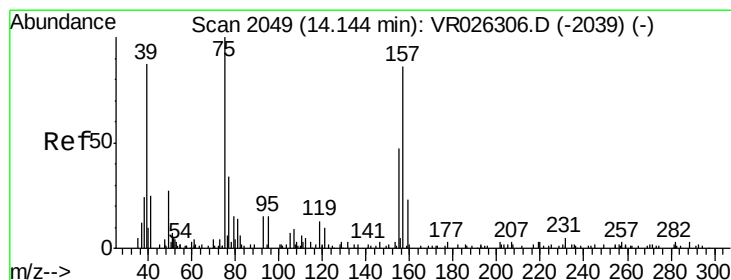
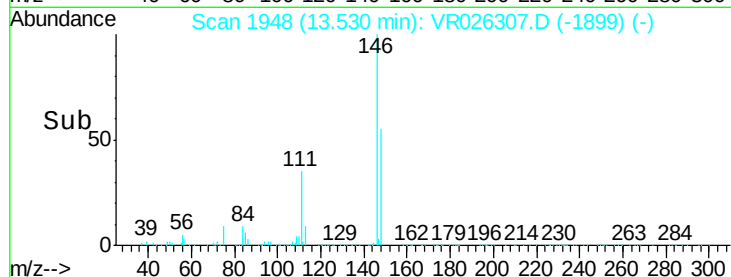
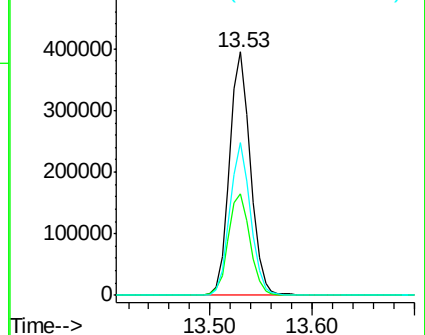
148 62.7 49.4 74.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 8.836 ug/L

RT: 14.14 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VR026307.D

Acq: 11 Feb 2019 13:49

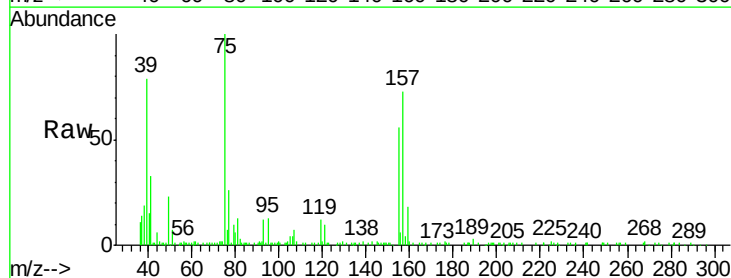
Tgt Ion: 75 Resp: 16335

Ion Ratio Lower Upper

75 100

155 56.2 38.0 57.0

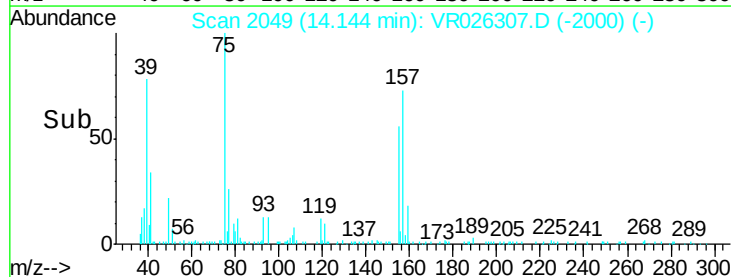
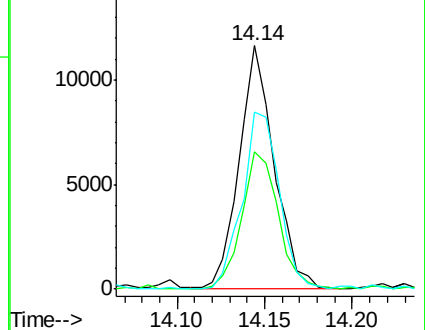
157 72.9 70.4 105.6

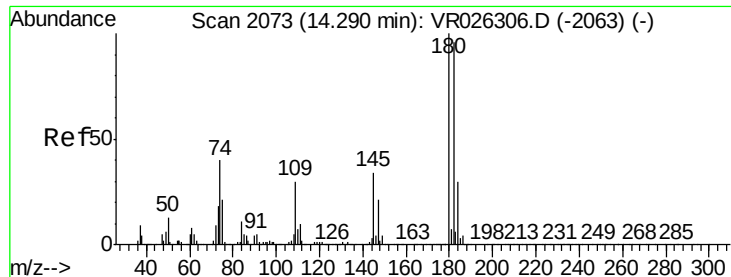


Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

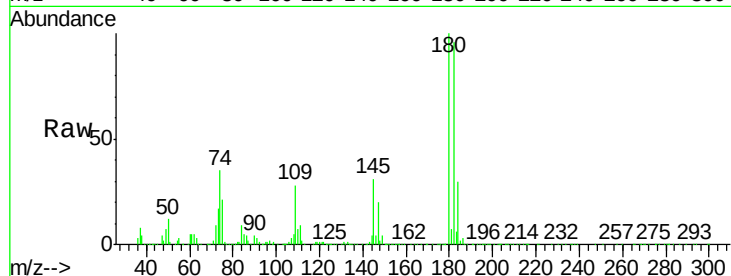




#67
 1,3,5-Trichlorobenzene
 Concen: 9.841 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR026307.D
 Acq: 11 Feb 2019 13:49

Instrument :
 MSVOA_R
 ClientSampleID :
 VSTD01084

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.0	114.0
184	30.1	23.3	34.9
145	31.9	26.6	39.8

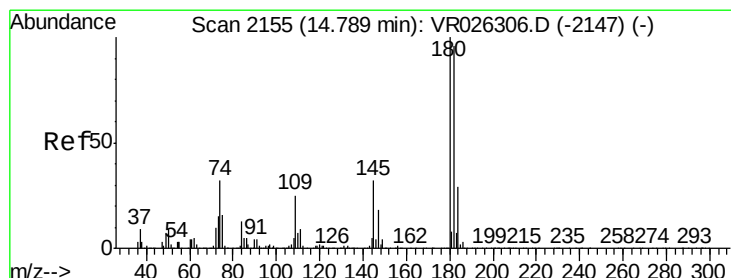
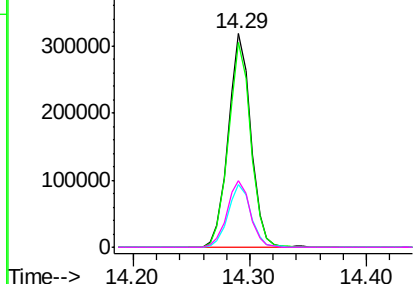
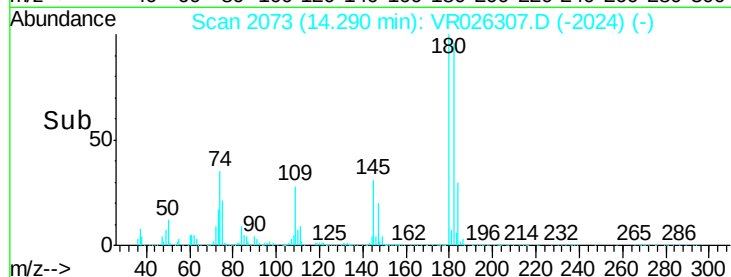


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

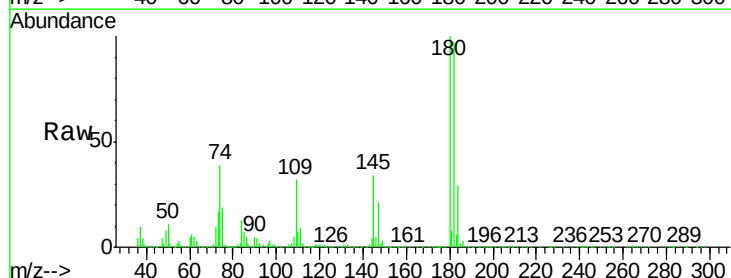
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 10.525 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.01 min
 Lab File: VR026307.D
 Acq: 11 Feb 2019 13:49

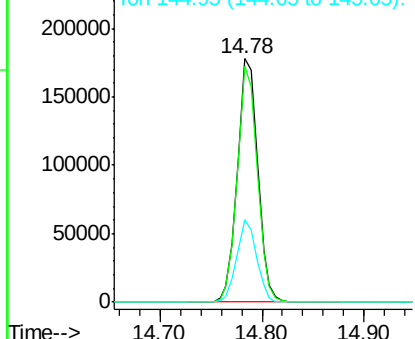
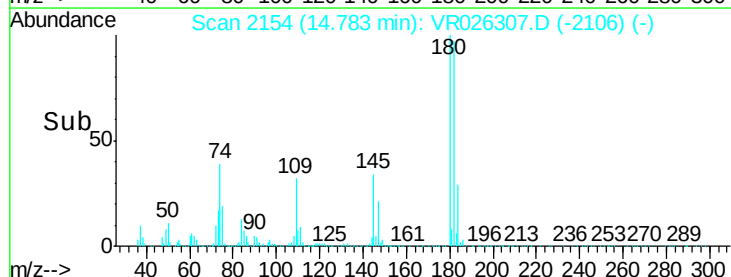
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	78.7	118.1
145	33.1	25.9	38.9

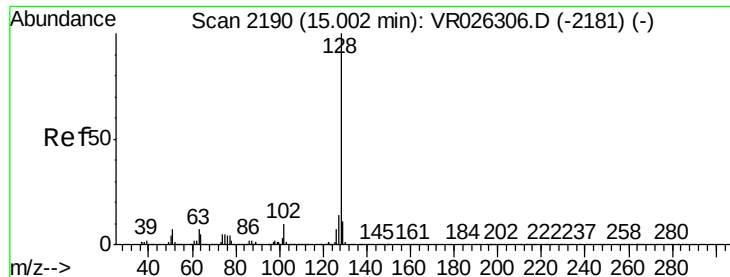


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 11.855 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR026307.D

Acq: 11 Feb 2019 13:49

Instrument :

MSVOA_R

ClientSampleId :

VSTD01084

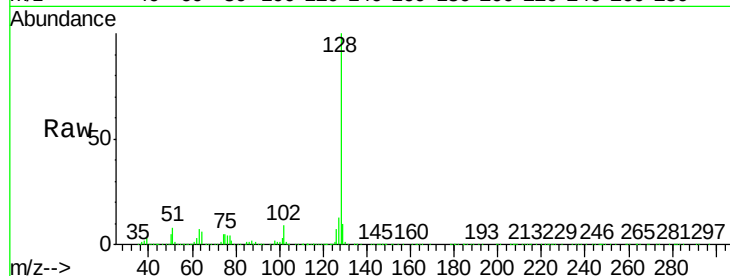
Tgt Ion:128 Resp: 247325

Ion Ratio Lower Upper

128 100

127 13.4 11.7 17.5

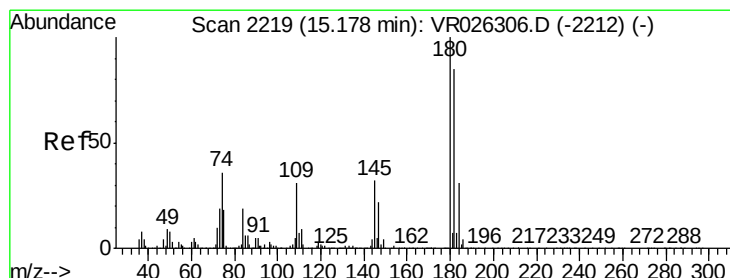
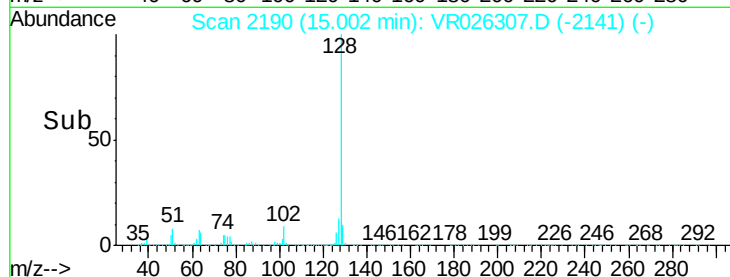
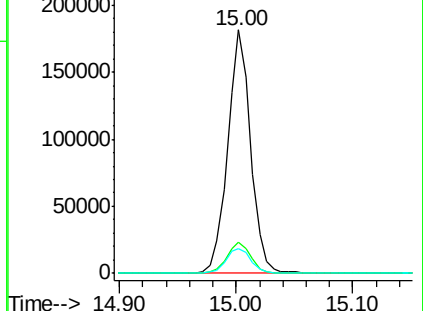
129 11.2 9.6 14.4



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: 10.514 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR026307.D

Acq: 11 Feb 2019 13:49

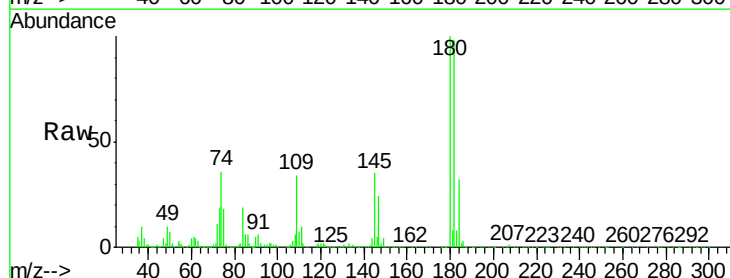
Tgt Ion:180 Resp: 176429

Ion Ratio Lower Upper

180 100

182 94.4 74.6 112.0

145 34.3 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

