

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR041119\
 Data File : VR026572.D
 Acq On : 11 Apr 2019 12:26
 Operator : SY/MD
 Sample : VSTD02087
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02087

Quant Time: Apr 12 01:28:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR041119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 12 01:22:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	674639	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	598359	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	246510	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	890841	17.29	ug/L	0.00
7) Chloroethane-d5	2.62	69	798253	18.38	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.61	63	2565831	18.88	ug/L	0.00
20) 2-Butanone-d5	6.58	46	1215932	261.53	ug/L	0.00
24) Chloroform-d	7.20	84	2113562	21.40	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.89	65	871257	20.87	ug/L	0.00
32) Benzene-d6	7.85	84	4079020	21.55	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.89	67	1039960	20.80	ug/L	0.00
41) Toluene-d8	9.97	98	3879742	22.65	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.23	79	297896	22.94	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	1044646	285.24	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	424177	21.50	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	836681	22.27	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.82	85	1357635	19.321 ug/L	97
3) Chloromethane	2.01	50	1293048	17.440 ug/L	98
5) Vinyl chloride	2.17	62	1329890	18.132 ug/L	96
6) Bromomethane	2.52	94	775519	17.962 ug/L	97
8) Chloroethane	2.66	64	753044	17.788 ug/L	96
9) Trichlorofluoromethane	2.93	101	838656	8.155 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	1058031	18.802 ug/L	98
12) 1,1-Dichloroethene	3.62	96	1170319	19.088 ug/L	93
13) Acetone	3.69	43	924855	196.818 ug/L	97
14) Carbon disulfide	3.92	76	3374706	19.204 ug/L	98
15) Methyl Acetate	4.19	43	236379	18.337 ug/L #	70
16) Methylene chloride	4.40	84	947189	17.249 ug/L	98
17) Methyl tert-butyl Ether	4.88	73	1307914	19.469 ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	1176039	20.607 ug/L	98
19) 1,1-Dichloroethane	5.69	63	2148431	20.321 ug/L	99
21) 2-Butanone	6.68	43	1450002	238.320 ug/L	97
22) cis-1,2-Dichloroethene	6.67	96	1103216	23.049 ug/L #	93
23) Bromochloromethane	7.04	128	303544	20.177 ug/L #	90
25) Chloroform	7.23	83	2084291	20.455 ug/L	99
27) 1,2-Dichloroethane	7.99	62	1021976	20.049 ug/L	97
29) 1,1,1-Trichloroethane	7.43	97	1856283	19.093 ug/L	97
30) Cyclohexane	7.51	56	2023656	22.418 ug/L	98
31) Carbon tetrachloride	7.63	117	1803708	19.331 ug/L	99
33) Benzene	7.90	78	4813664	20.554 ug/L	100
34) Trichloroethene	8.71	95	1289660	20.594 ug/L	95
35) Methylcyclohexane	8.95	83	1947556	21.857 ug/L	99
37) 1,2-Dichloropropane	8.99	63	998848	19.474 ug/L	99
38) Bromodichloromethane	9.28	83	1199081	20.105 ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	1377825	24.825 ug/L	95
40) 4-Methyl-2-pentanone	9.86	43	3606071	235.867 ug/L	97

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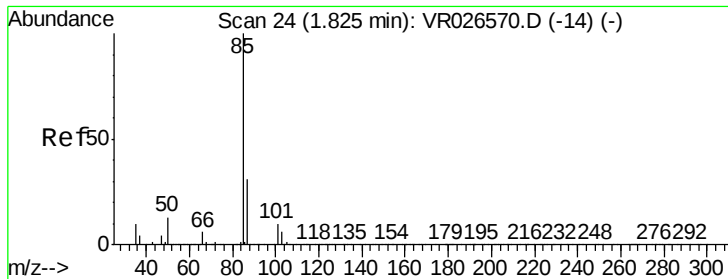
Instrument :
 MSVOA_R
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR041119WMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	10.03	91	5157491	21.393	ug/L	91
44) trans-1,3-Dichloropropene	10.26	75	967398	24.098	ug/L	98
45) 1,1,2-Trichloroethane	10.45	97	438312	20.741	ug/L	96
47) Tetrachloroethene	10.51	164	943883	20.940	ug/L	94
48) 2-Hexanone	10.63	43	2407870	234.987	ug/L	96
49) Dibromochloromethane	10.79	129	592489	21.609	ug/L	99
50) 1,2-Dibromoethane	10.89	107	388162	21.363	ug/L #	99
51) Chlorobenzene	11.32	112	2800101	20.531	ug/L	99
52) Ethylbenzene	11.39	91	5824061	20.999	ug/L	90
53) m,p-Xylene	11.50	106	2272613	22.889	ug/L	93
54) o-Xylene	11.83	106	2203128	25.132	ug/L	89
55) Styrene	11.84	104	3324627	24.012	ug/L	100
56) Isopropylbenzene	12.13	105	5659752	22.871	ug/L	96
58) 1,1,1,2,2-Tetrachloroethane	12.38	83	417533	20.362	ug/L	98
59) 1,2,3-Trichloropropane	12.43	75	311965	20.131	ug/L	99
61) Bromoform	12.01	173	231492	21.229	ug/L	99
62) 1,3-Dichlorobenzene	13.16	146	1793348	22.902	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	1782208	19.990	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	1426845	21.627	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.14	75	46388	18.669	ug/L #	84
67) 1,3,5-Trichlorobenzene	14.29	180	1142523	22.182	ug/L	98
68) 1,2,4-trichlorobenzene	14.78	180	704427	24.788	ug/L	99
69) Naphthalene	15.00	128	813417	30.846	ug/L	97
70) 1,2,3-Trichlorobenzene	15.18	180	491306	24.492	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 19.321 ug/L

RT: 1.82 min Scan# 24

Delta R.T. 0.00 min

Lab File: VR026572.D

Acq: 11 Apr 2019 12:26

Instrument :

MSVOA_R

ClientSampleId :

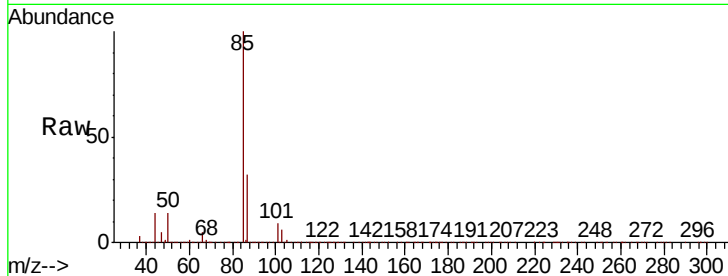
VSTD02087

Tot Ion: 85 Resp: 1357635

Ion Ratio Lower Upper

85 100

87 31.2 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0

1.82

400000

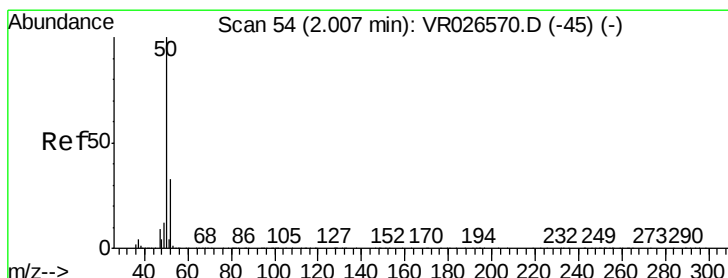
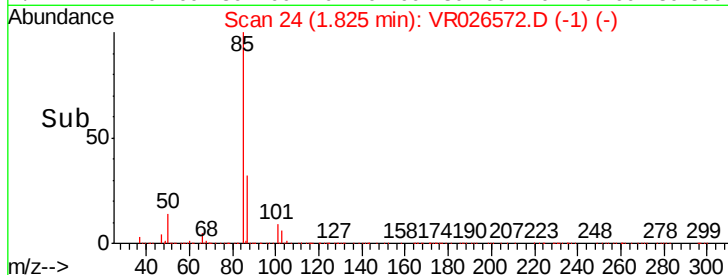
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 17.440 ug/L

RT: 2.01 min Scan# 55

Delta R.T. 0.01 min

Lab File: VR026572.D

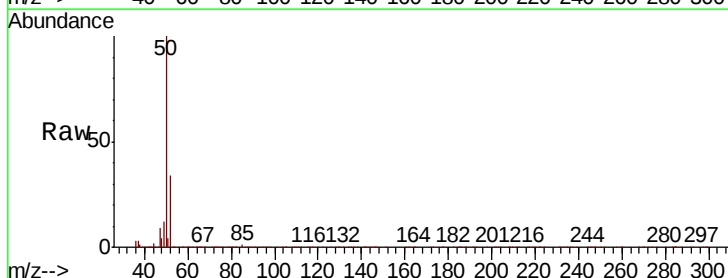
Acq: 11 Apr 2019 12:26

Tgt Ion: 50 Resp: 1293048

Ion Ratio Lower Upper

50 100

52 33.8 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0

2.01

600000

500000

400000

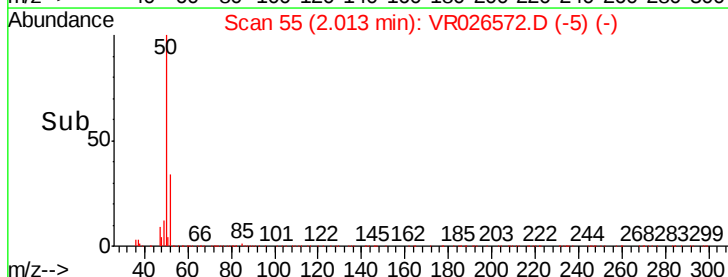
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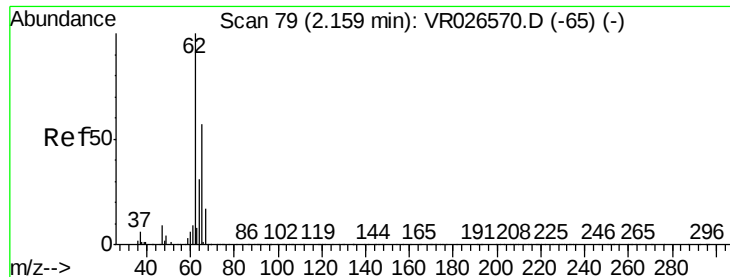
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 18.132 ug/L

RT: 2.17 min Scan# 80

Delta R.T. 0.01 min

Lab File: VR026572.D

Acq: 11 Apr 2019 12:26

Instrument :

MSVOA_R

ClientSampleId :

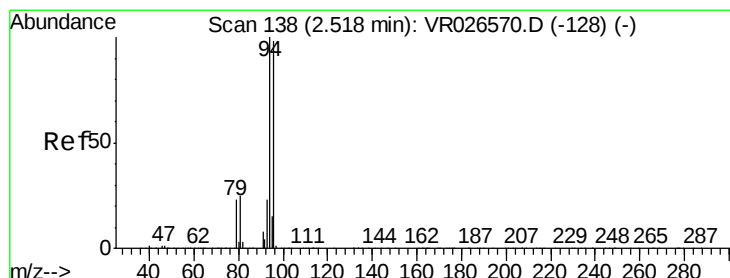
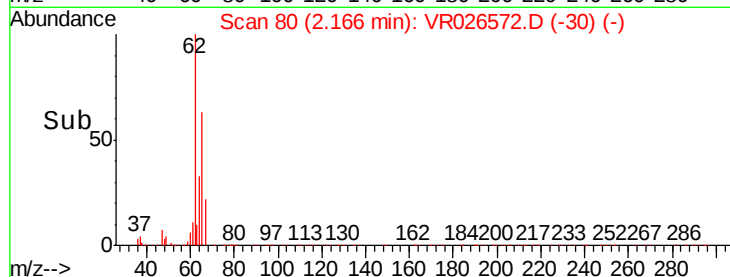
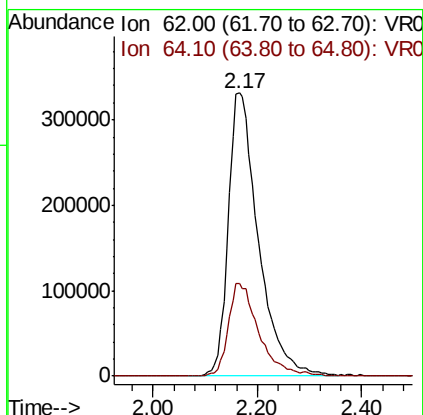
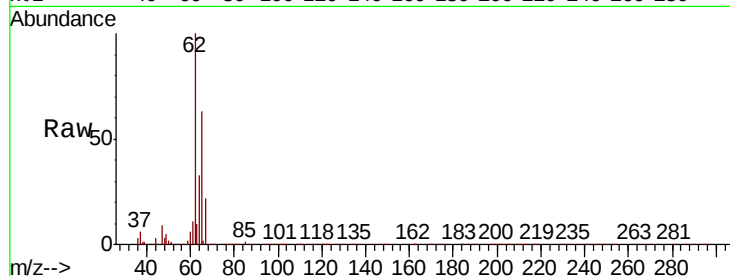
VSTD02087

Tot Ion: 62 Resp: 1329890

Ion Ratio Lower Upper

62 100

64 32.8 21.6 40.2



#6

Bromomethane

Concen: 17.962 ug/L

RT: 2.52 min Scan# 139

Delta R.T. 0.01 min

Lab File: VR026572.D

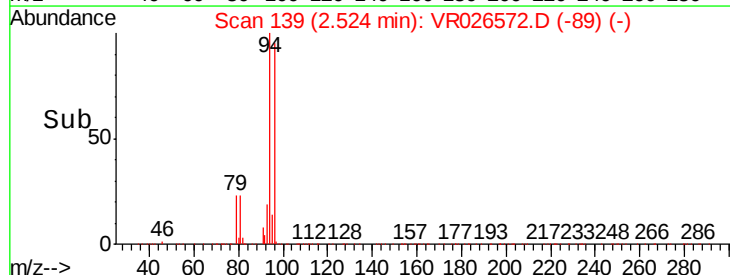
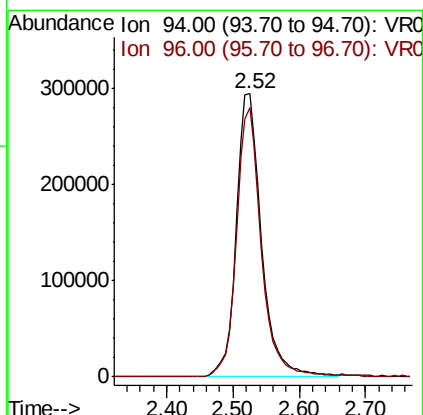
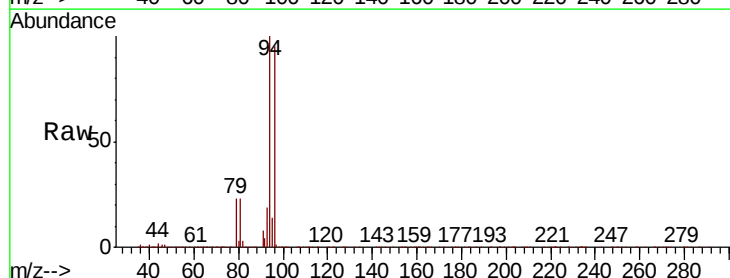
Acq: 11 Apr 2019 12:26

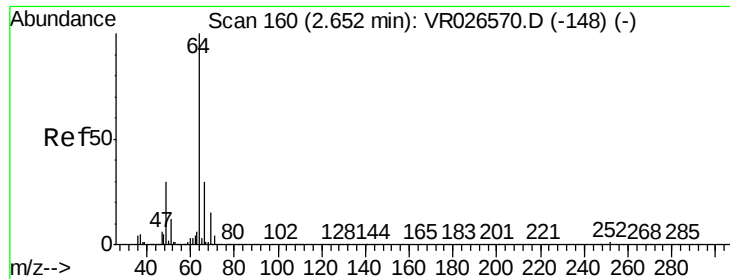
Tgt Ion: 94 Resp: 775519

Ion Ratio Lower Upper

94 100

96 95.3 68.5 127.3





#8

Chloroethane

Concen: 17.788 ug/L

RT: 2.66 min Scan# 161

Delta R.T. 0.01 min

Lab File: VR026572.D

Acq: 11 Apr 2019 12:26

Instrument :

MSVOA_R

ClientSampleId :

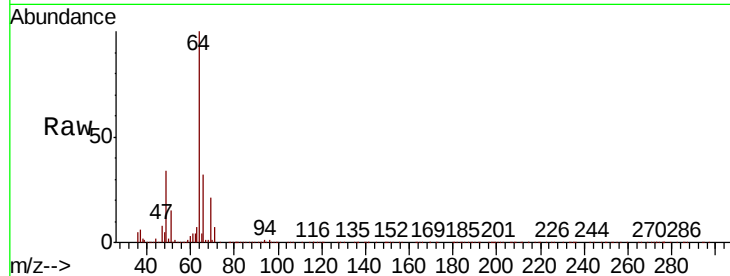
VSTD02087

Tot Ion: 64 Resp: 753044

Ion Ratio Lower Upper

64 100

66 32.0 20.7 38.5



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0

2.66

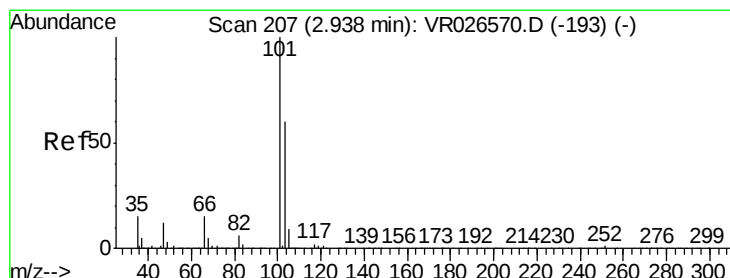
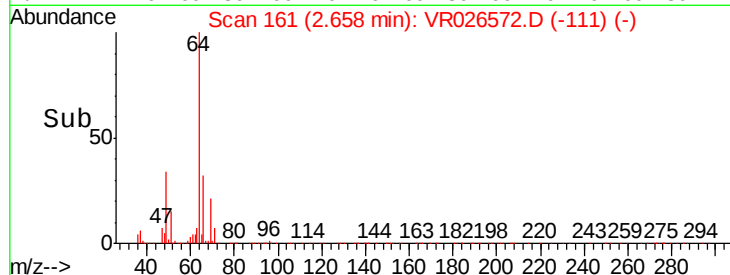
300000

200000

100000

0

Time-->



#9

Trichlorofluoromethane

Concen: 8.155 ug/L

RT: 2.93 min Scan# 205

Delta R.T. -0.01 min

Lab File: VR026572.D

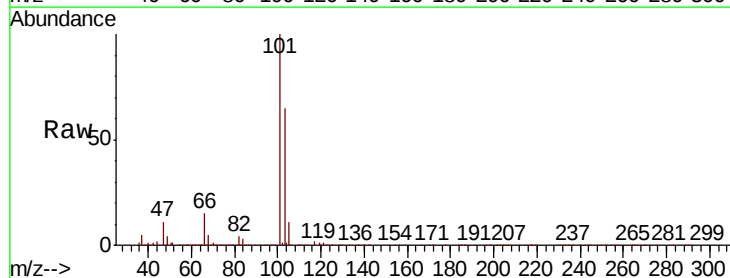
Acq: 11 Apr 2019 12:26

Tgt Ion: 101 Resp: 838656

Ion Ratio Lower Upper

101 100

103 64.7 50.7 76.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

2.93

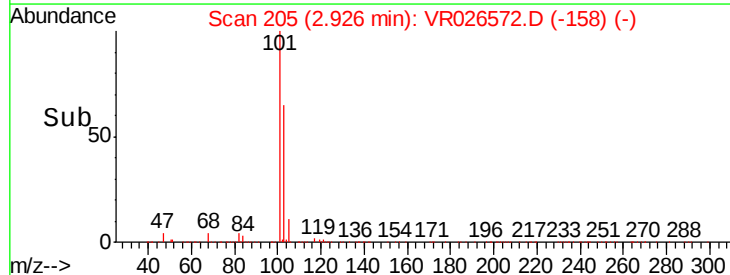
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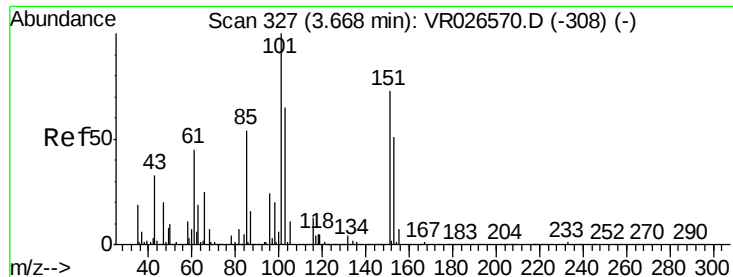
200000

100000

0

Time-->





#10

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

Concen: 18.802 ug/L

RT: 3.67 min Scan# 328

Delta R.T. 0.01 min

Lab File: VR026572.D

Acq: 11 Apr 2019 12:26

Instrument :

MSVOA_R

ClientSampleId :

VSTD02087

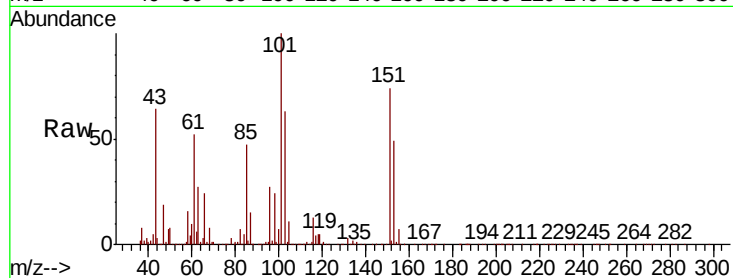
Tot Ion:101 Resp: 1058031

Ion Ratio Lower Upper

101 100

85 48.6 40.4 60.6

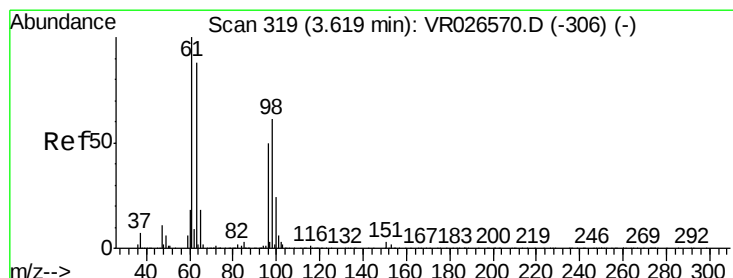
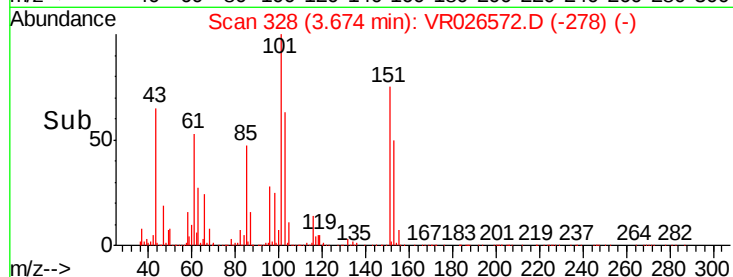
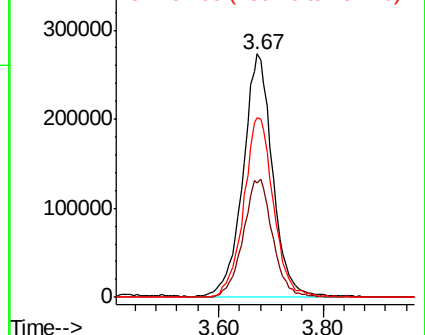
151 74.9 59.4 89.0



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: 19.088 ug/L

RT: 3.62 min Scan# 319

Delta R.T. 0.00 min

Lab File: VR026572.D

Acq: 11 Apr 2019 12:26

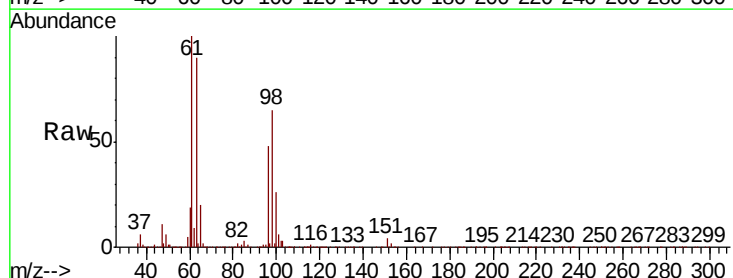
Tgt Ion: 96 Resp: 1170319

Ion Ratio Lower Upper

96 100

61 209.7 140.8 261.6

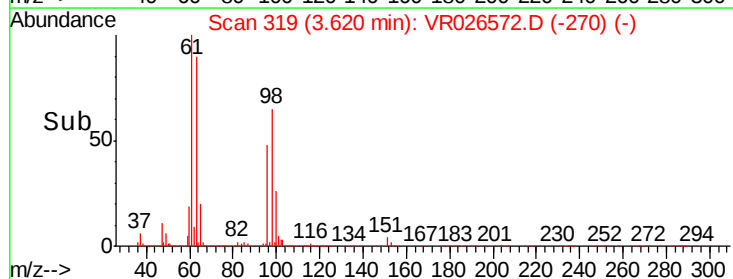
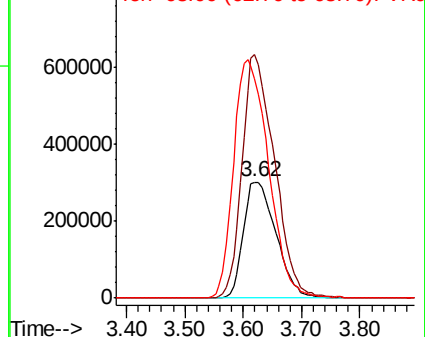
63 188.6 124.0 230.4

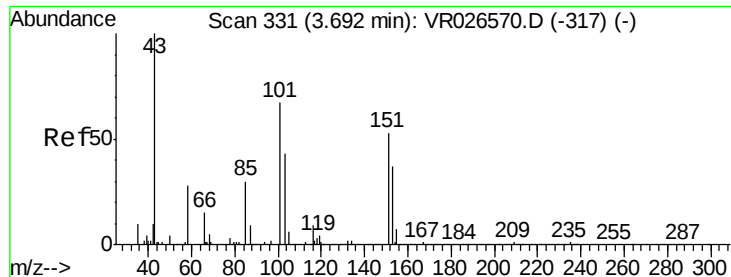


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 196.818 ug/L

RT: 3.69 min Scan# 331

Delta R.T. 0.00 min

Lab File: VR026572.D

Acq: 11 Apr 2019 12:26

Instrument :

MSVOA_R

ClientSampleId :

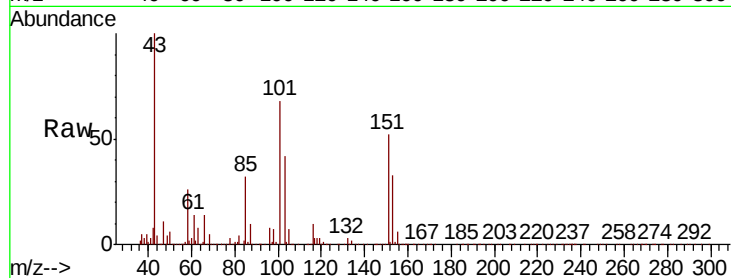
VSTD02087

Tot Ion: 43 Resp: 924855

Ion Ratio Lower Upper

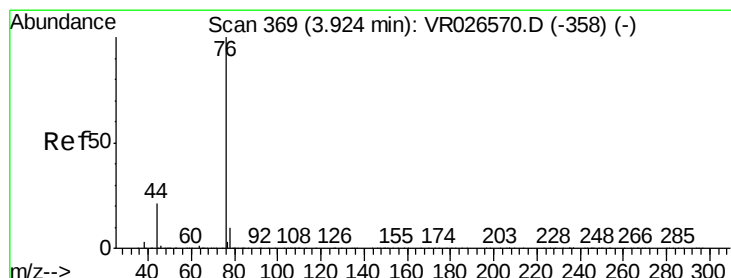
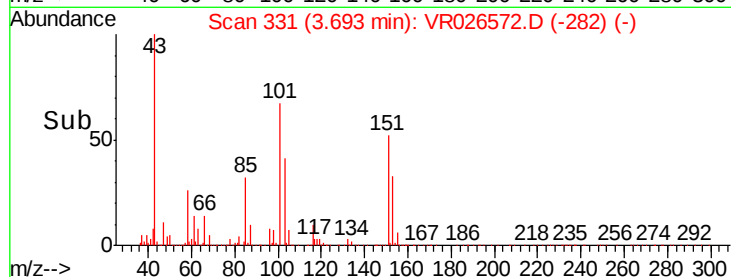
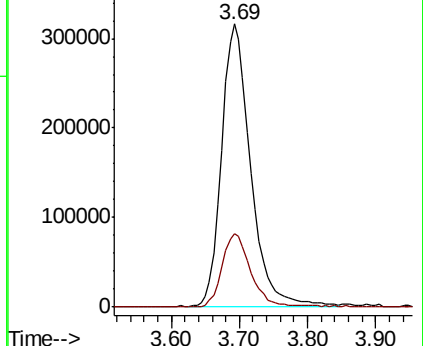
43 100

58 26.2 0.0 49.4



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#14

Carbon disulfide

Concen: 19.204 ug/L

RT: 3.92 min Scan# 369

Delta R.T. 0.00 min

Lab File: VR026572.D

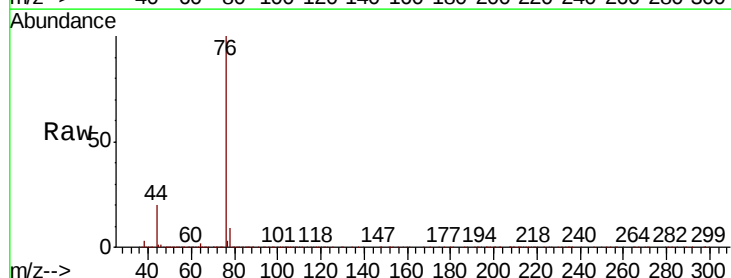
Acq: 11 Apr 2019 12:26

Tgt Ion: 76 Resp: 3374706

Ion Ratio Lower Upper

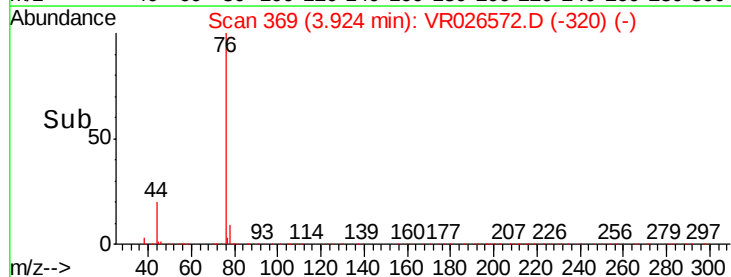
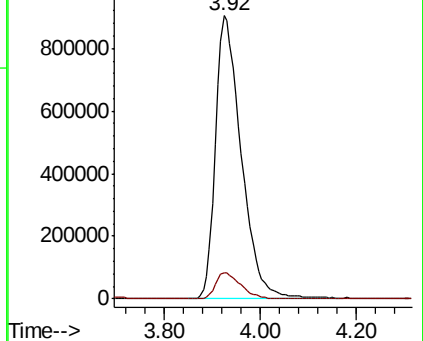
76 100

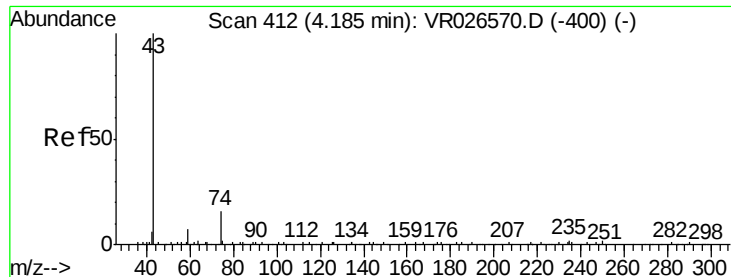
78 9.2 7.9 11.9



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

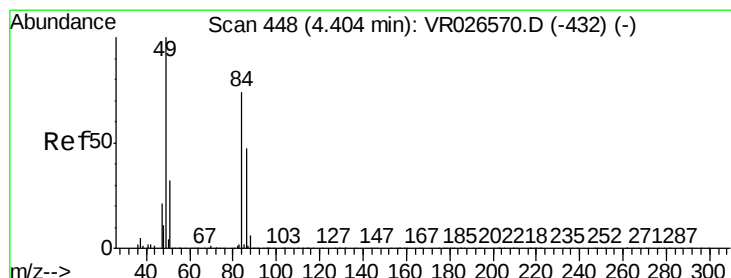
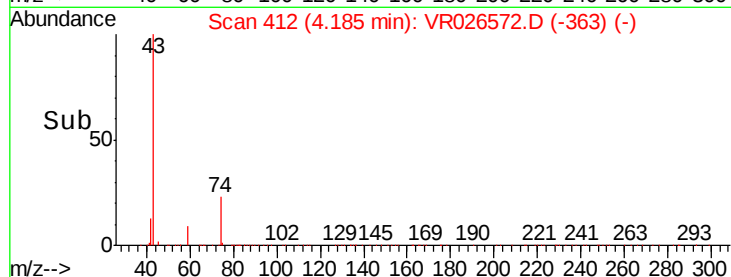
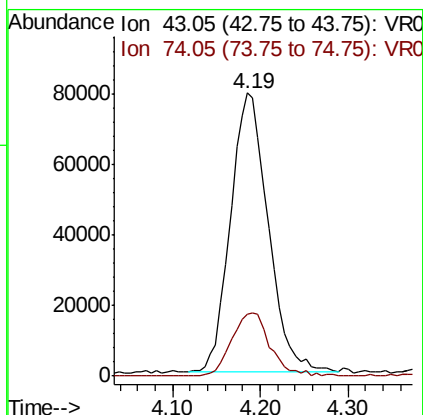
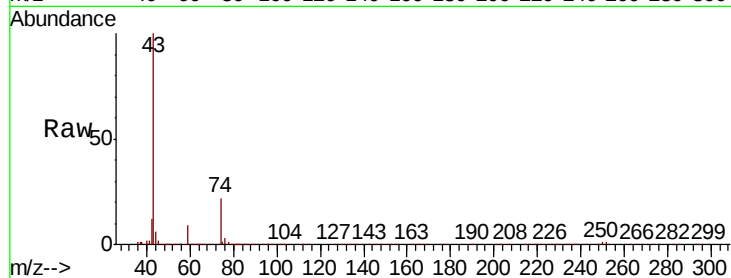




#15
Methyl Acetate
Concen: 18.337 ug/L
RT: 4.19 min Scan# 412
Delta R.T. 0.00 min
Lab File: VR026572.D
Acq: 11 Apr 2019 12:26

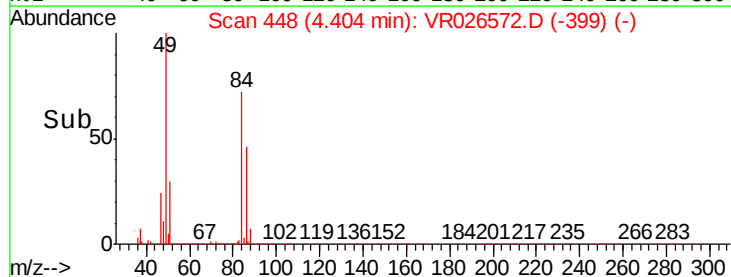
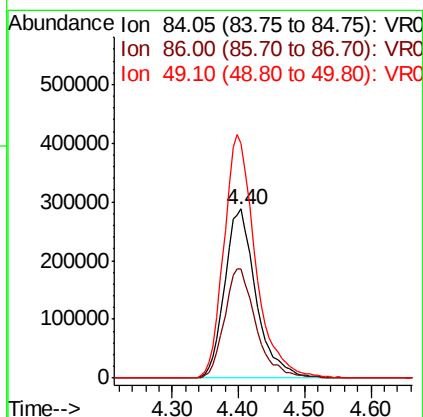
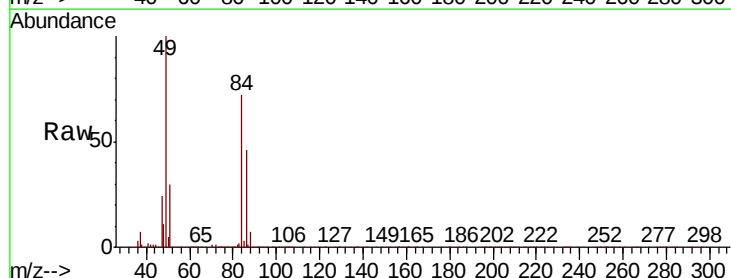
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ClientSampleId :
VSTD02087

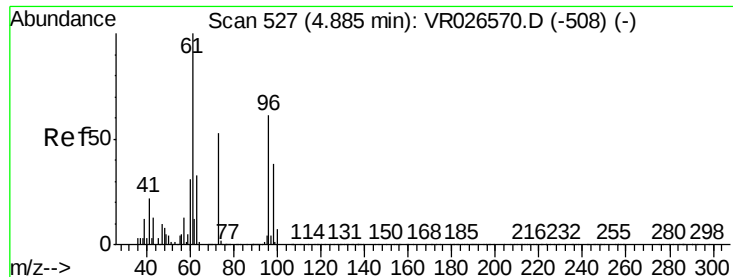
Tot Ion: 43 Resp: 236379
Ion Ratio Lower Upper
43 100
74 22.9 9.0 13.6#



#16
Methylene chloride
Concen: 17.249 ug/L
RT: 4.40 min Scan# 448
Delta R.T. 0.00 min
Lab File: VR026572.D
Acq: 11 Apr 2019 12:26

Tgt Ion: 84 Resp: 947189
Ion Ratio Lower Upper
84 100
86 64.6 45.1 83.7
49 139.1 95.2 176.8

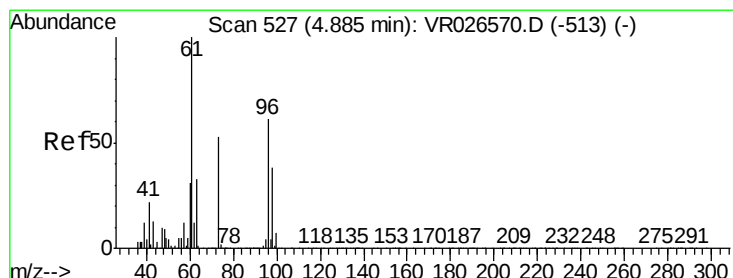
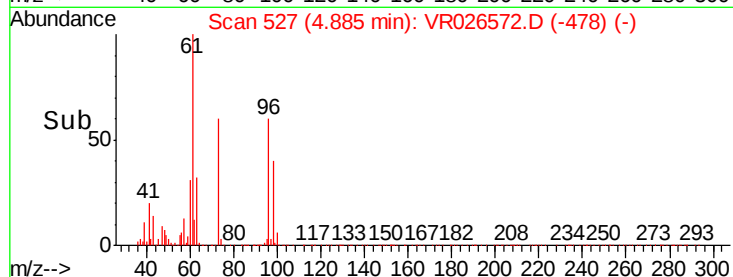
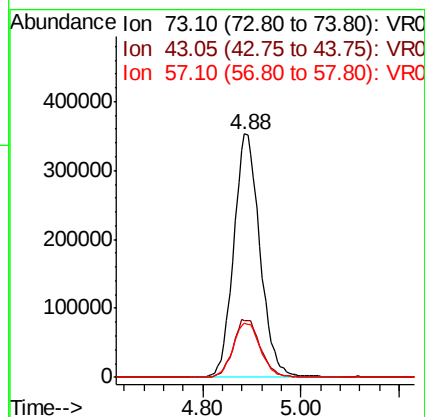
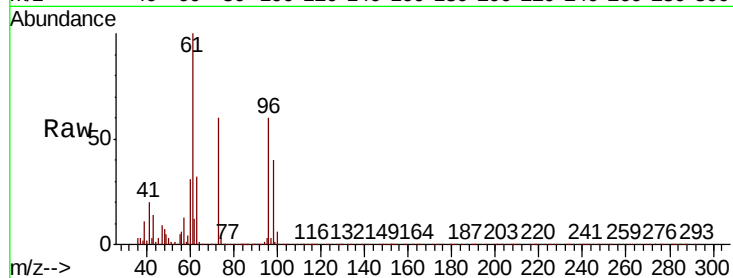




#17
Methvl tert-butvl Ether
Concen: 19.469 ug/L
RT: 4.88 min Scan# 527
Delta R.T. 0.00 min
Lab File: VR026572.D
Acq: 11 Apr 2019 12:26

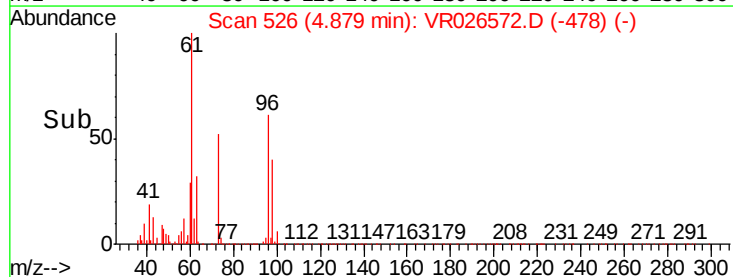
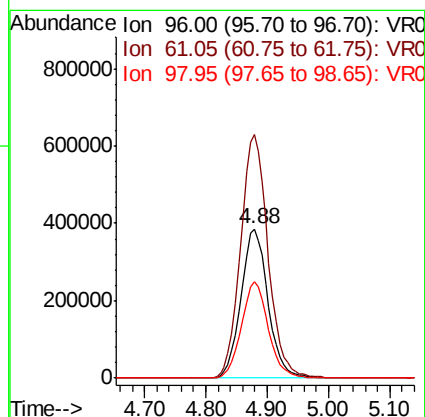
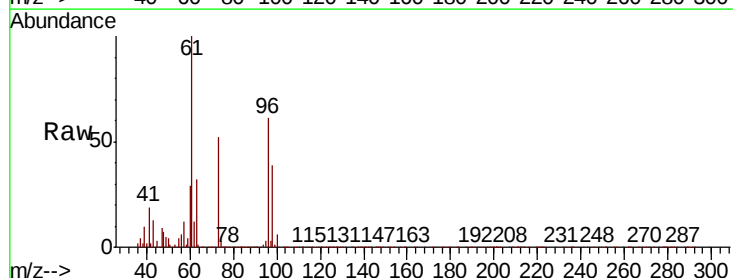
Instrument :
MSVOA_R
ClientSampleId :
VSTD02087

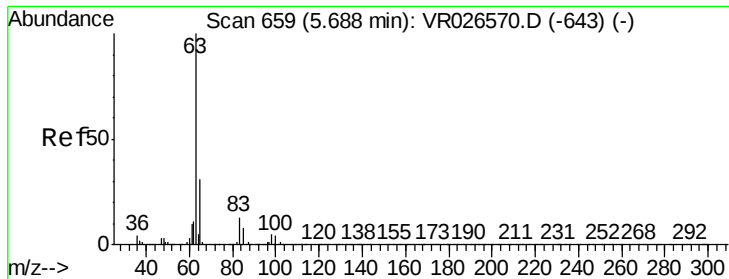
Tot Ion: 73 Resp: 1307914
Ion Ratio Lower Upper
73 100
43 24.5 20.6 30.8
57 23.4 18.6 27.8



#18
trans-1,2-Dichloroethene
Concen: 20.607 ug/L
RT: 4.88 min Scan# 526
Delta R.T. -0.01 min
Lab File: VR026572.D
Acq: 11 Apr 2019 12:26

Tgt Ion: 96 Resp: 1176039
Ion Ratio Lower Upper
96 100
61 162.9 115.5 214.5
98 64.3 43.6 81.0

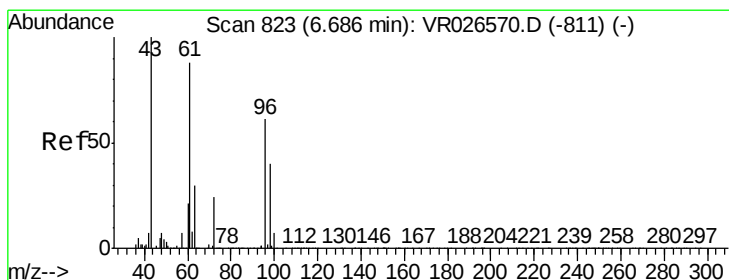
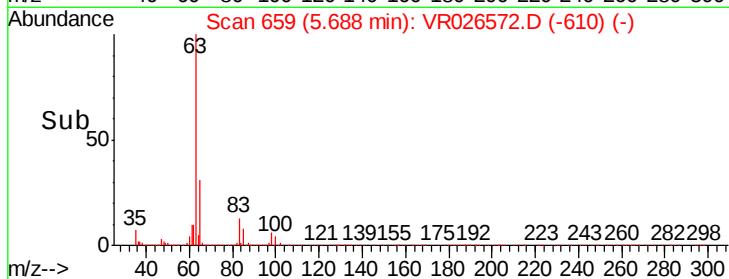
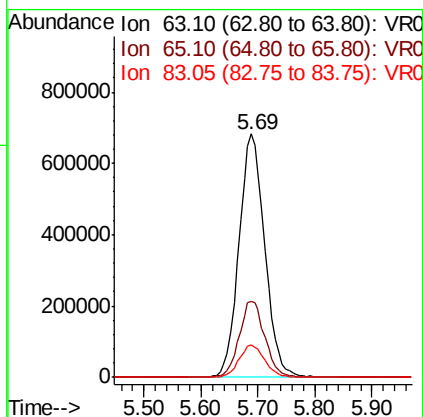
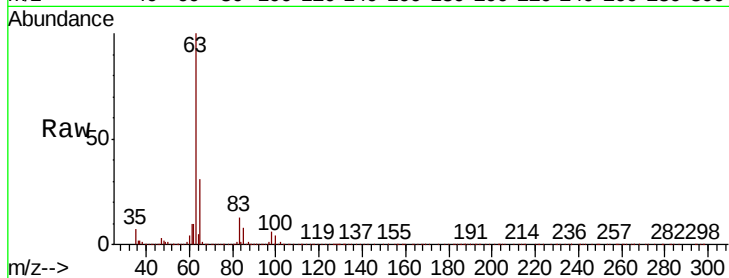




#19
 1,1-Dichloroethane
 Concen: 20.321 ug/L
 RT: 5.69 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VR026572.D
 Acq: 11 Apr 2019 12:26

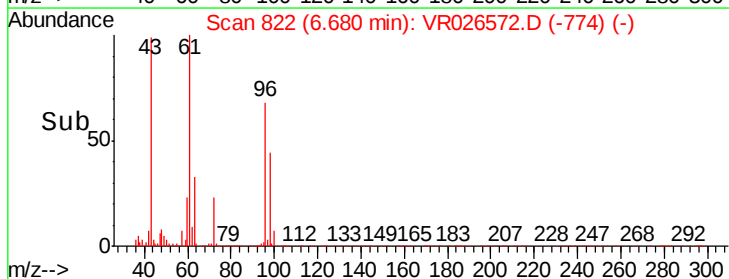
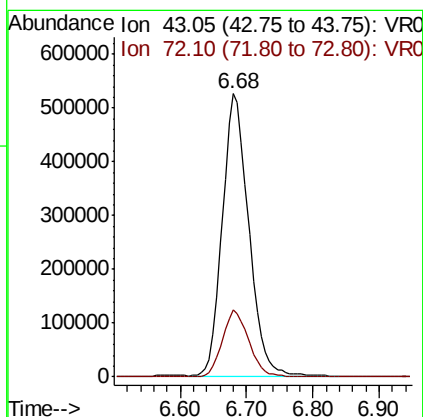
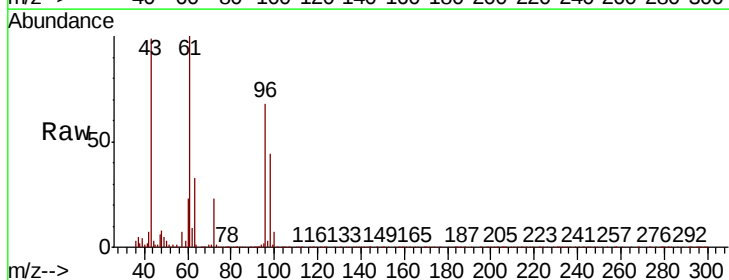
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02087

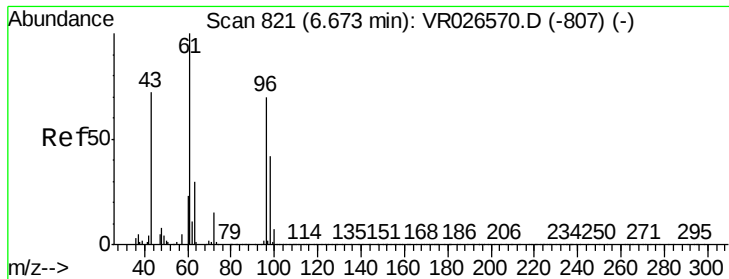
Tot Ion: 63 Resp: 2148431
 Ion Ratio Lower Upper
 63 100
 65 31.0 21.9 40.7
 83 13.3 8.9 16.5



#21
 2-Butanone
 Concen: 238.320 ug/L
 RT: 6.68 min Scan# 822
 Delta R.T. -0.01 min
 Lab File: VR026572.D
 Acq: 11 Apr 2019 12:26

Tgt Ion: 43 Resp: 1450002
 Ion Ratio Lower Upper
 43 100
 72 23.6 11.1 33.3



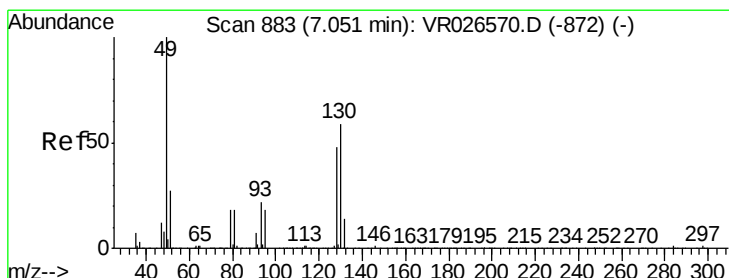
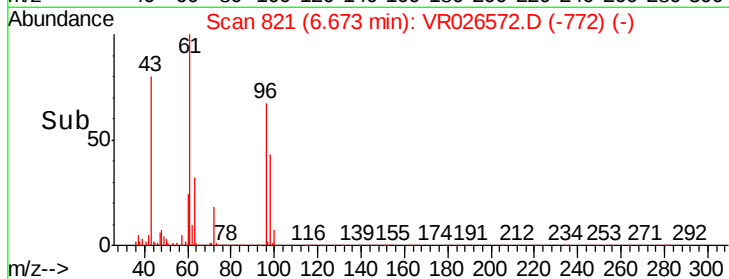
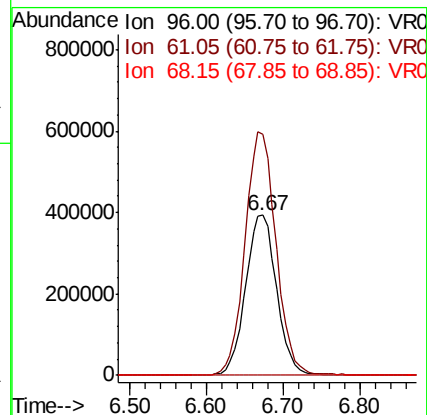
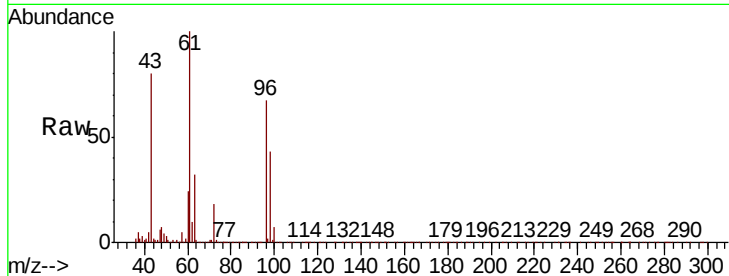


#22

cis-1,2-Dichloroethene
Concen: 23.049 ug/L
RT: 6.67 min Scan# 821
Delta R.T. 0.00 min
Lab File: VR026572.D
Acq: 11 Apr 2019 12:26

Instrument :
MSVOA_R
ClientSampleId :
VSTD02087

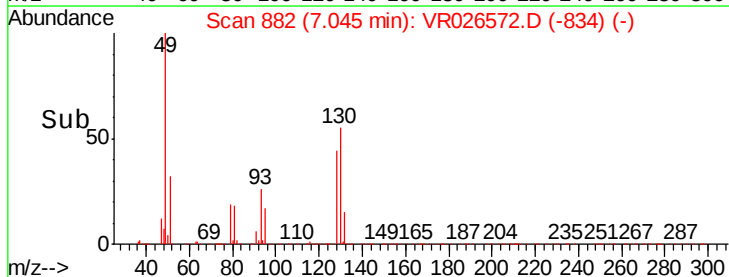
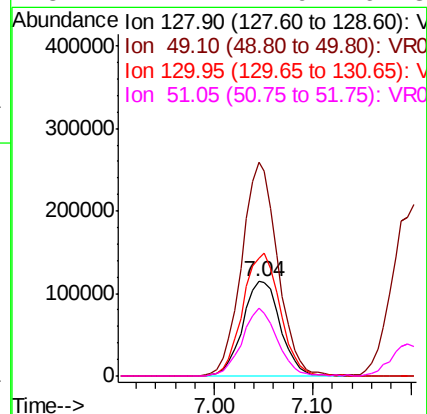
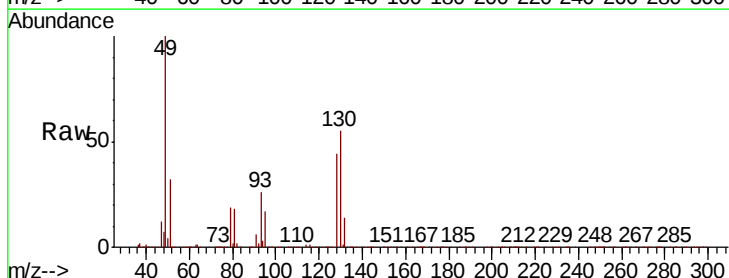
Tot Ion: 96 Resp: 1103216
Ion Ratio Lower Upper
96 100
61 150.4 99.3 184.5
68 0.0 0.1 0.3#

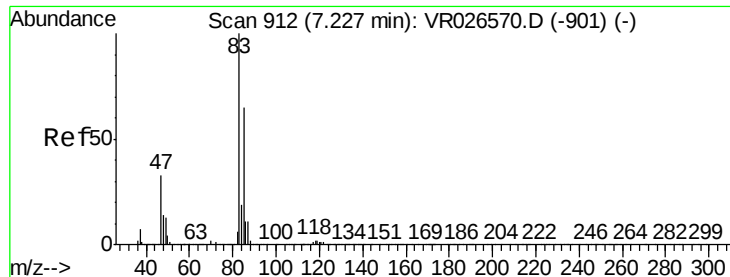


#23

Bromochloromethane
Concen: 20.177 ug/L
RT: 7.04 min Scan# 882
Delta R.T. -0.01 min
Lab File: VR026572.D
Acq: 11 Apr 2019 12:26

Tgt Ion:128 Resp: 303544
Ion Ratio Lower Upper
128 100
49 225.6 144.4 268.2
130 124.5 86.2 160.0
51 71.7 44.9 67.3#





#25

Chloroform

Concen: 20.455 ug/L

RT: 7.23 min Scan# 912

Delta R.T. 0.00 min

Lab File: VR026572.D

Acq: 11 Apr 2019 12:26

Instrument :

MSVOA_R

ClientSampleId :

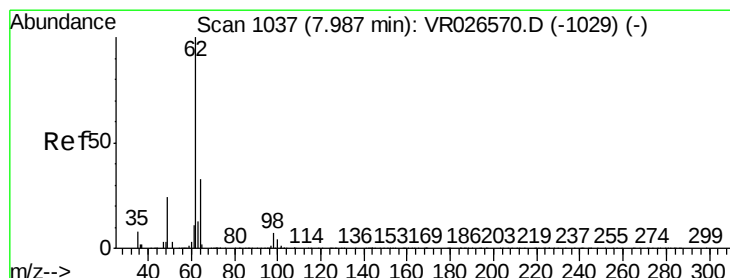
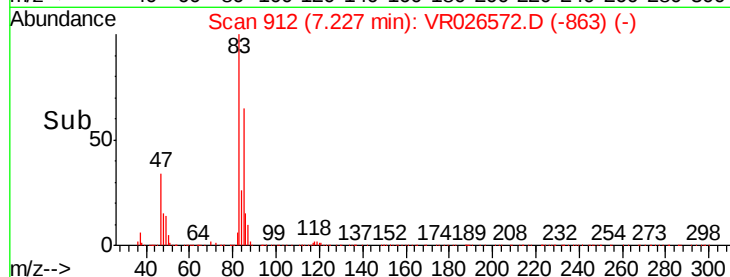
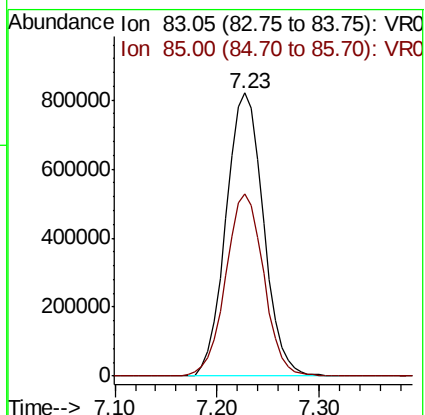
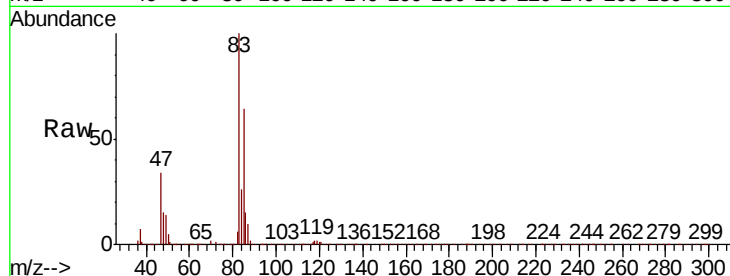
VSTD02087

Tot Ion: 83 Resp: 2084291

Ion Ratio Lower Upper

83 100

85 64.5 45.6 84.6



#27

1,2-Dichloroethane

Concen: 20.049 ug/L

RT: 7.99 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VR026572.D

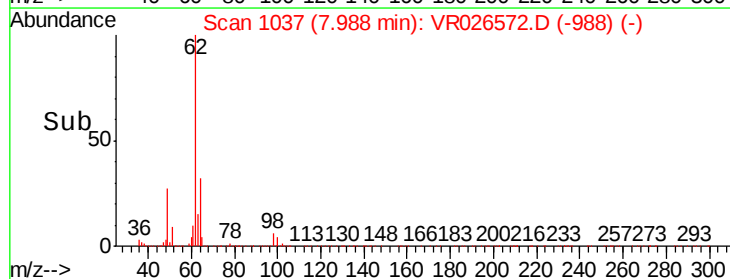
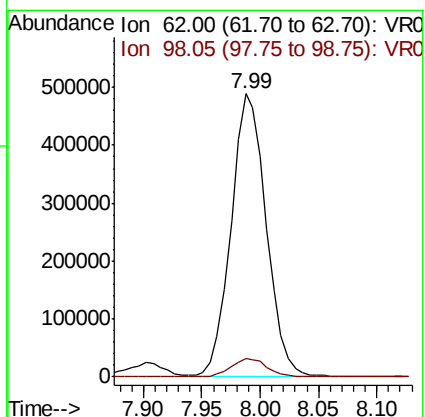
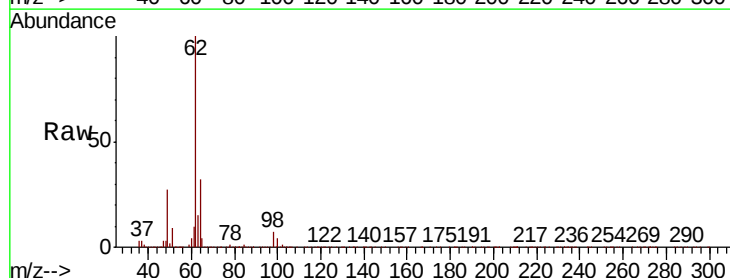
Acq: 11 Apr 2019 12:26

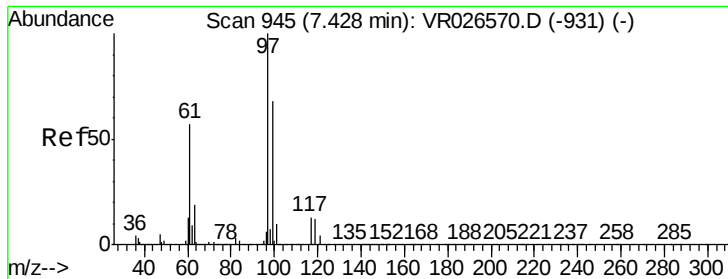
Tgt Ion: 62 Resp: 1021976

Ion Ratio Lower Upper

62 100

98 6.5 6.0 9.0



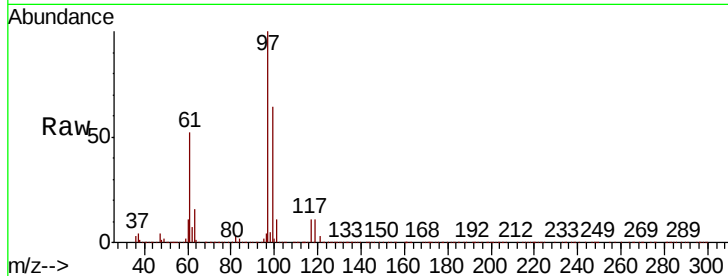


#29
1,1,1-Trichloroethane
Concen: 19.093 ug/L
RT: 7.43 min Scan# 945
Delta R.T. 0.00 min
Lab File: VR026572.D
Acq: 11 Apr 2019 12:26

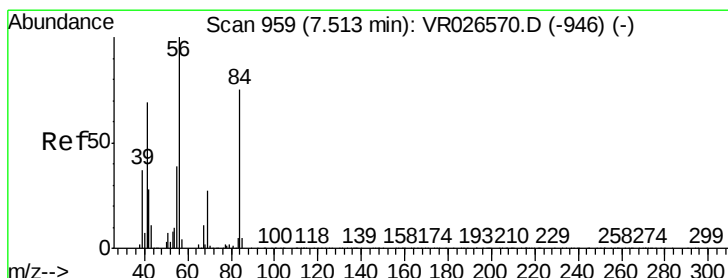
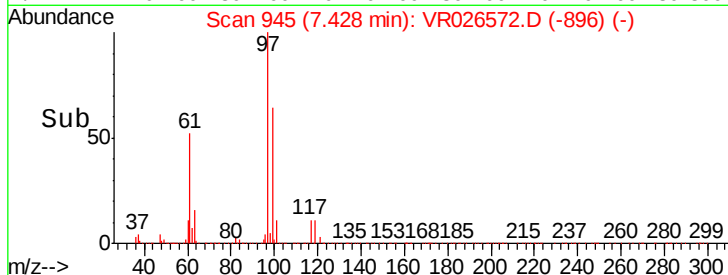
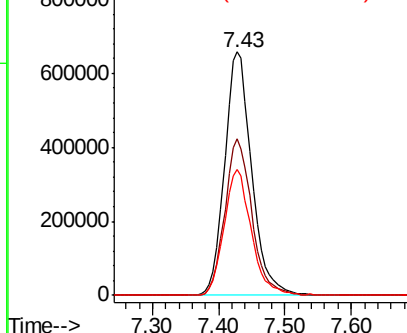
Instrument :
MSVOA_R
ClientSampleId :
VSTD02087

Tot Ion: 97 Resp: 1856283

Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.0	78.0
61	52.4	44.5	66.7



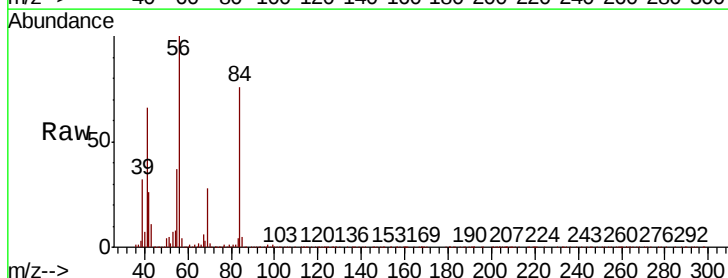
Abundance Ion 96.95 (96.65 to 97.65): VR0
Ion 99.05 (98.75 to 99.75): VR0
Ion 61.05 (60.75 to 61.75): VR0



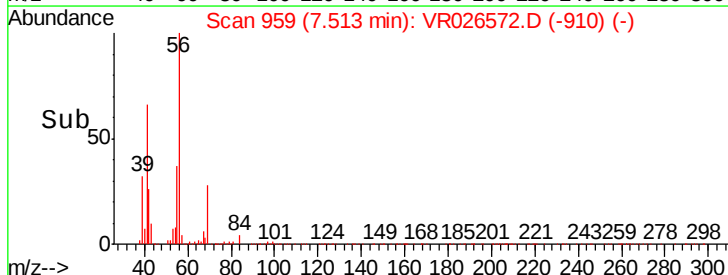
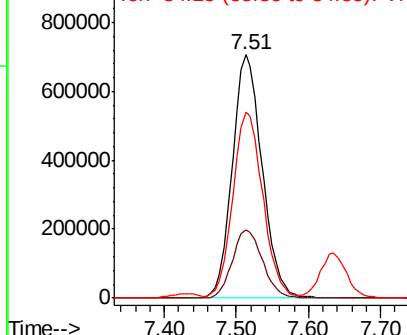
#30
Cyclohexane
Concen: 22.418 ug/L
RT: 7.51 min Scan# 959
Delta R.T. 0.00 min
Lab File: VR026572.D
Acq: 11 Apr 2019 12:26

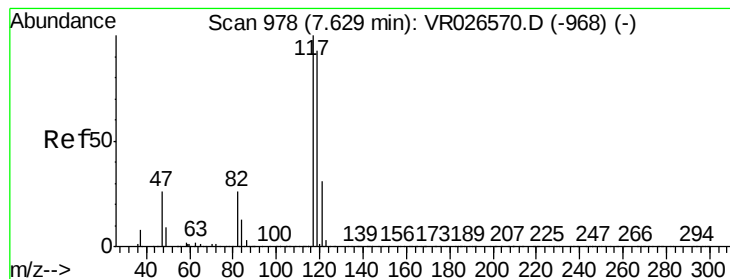
Tgt Ion: 56 Resp: 2023656

Ion	Ratio	Lower	Upper
56	100		
69	28.5	23.0	34.4
84	76.7	63.4	95.0



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: 19.331 ug/L

RT: 7.63 min Scan# 979

Delta R.T. 0.01 min

Lab File: VR026572.D

Acq: 11 Apr 2019 12:26

Instrument :

MSVOA_R

ClientSampleId :

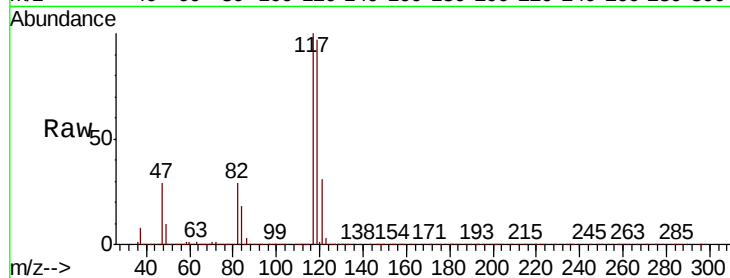
VSTD02087

Tot Ion:117 Resp: 1803708

Ion Ratio Lower Upper

117 100

119 96.6 77.9 116.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

7.63

800000

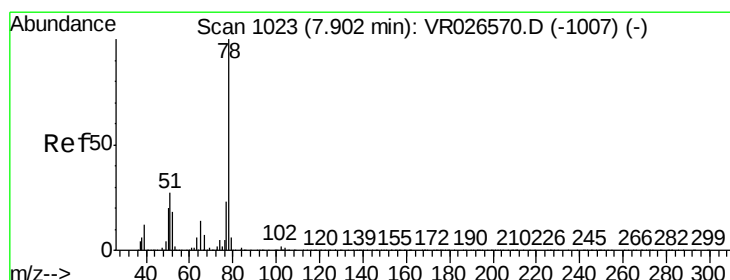
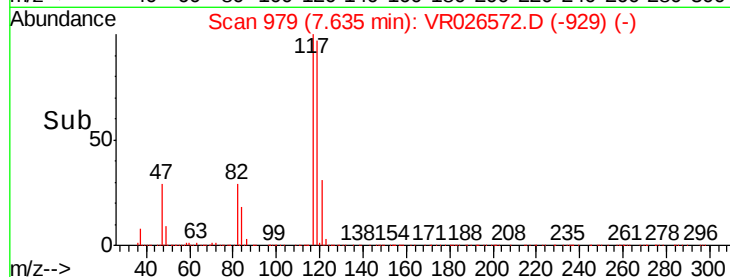
600000

400000

200000

0

Time-->



#33

Benzene

Concen: 20.554 ug/L

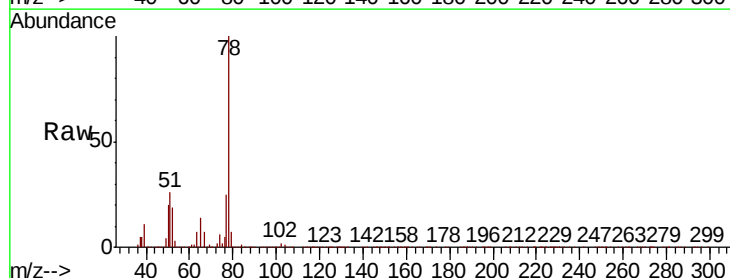
RT: 7.90 min Scan# 1023

Delta R.T. 0.00 min

Lab File: VR026572.D

Acq: 11 Apr 2019 12:26

Tgt Ion: 78 Resp: 4813664



Abundance Ion 78.10 (77.80 to 78.80): VR0

7.90

2500000

2000000

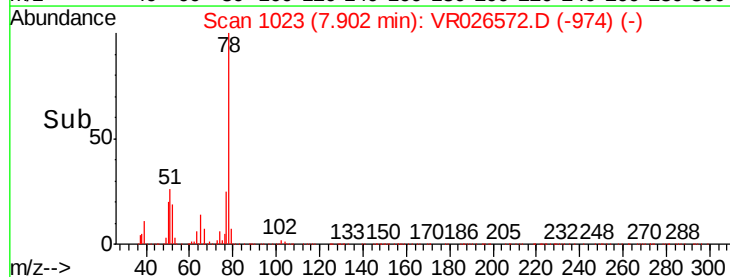
1500000

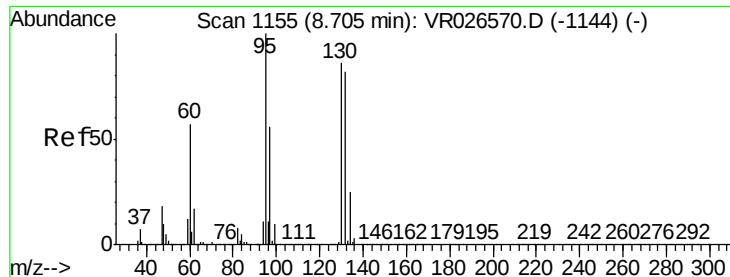
1000000

500000

0

Time-->



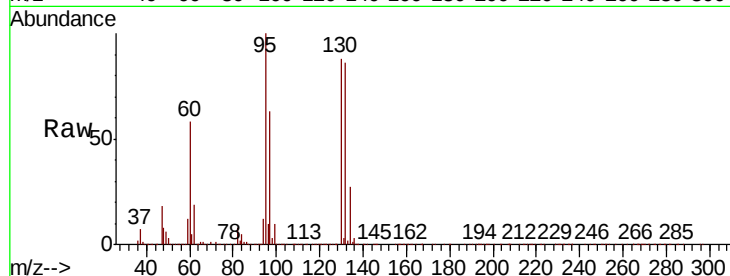


#34
 Trichloroethene
 Concen: 20.594 ug/L
 RT: 8.71 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VR026572.D
 Acq: 11 Apr 2019 12:26

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02087

Tot Ion: 95 Resp: 1289660

Ion	Ratio	Lower	Upper
95	100		
97	63.4	39.1	72.7
132	86.4	57.6	107.0
130	88.5	60.1	111.5

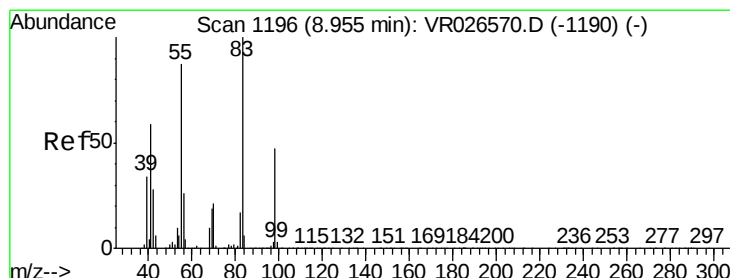
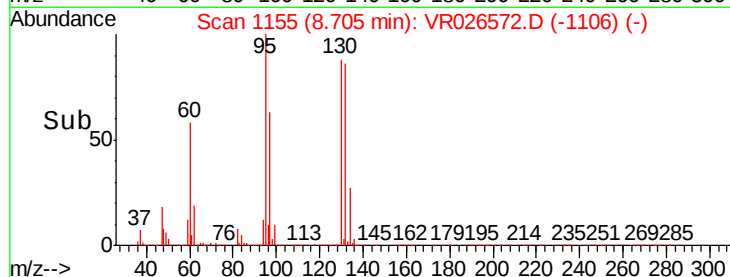
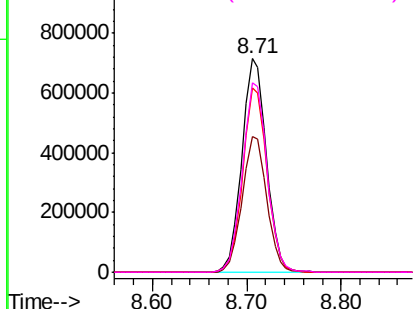


Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

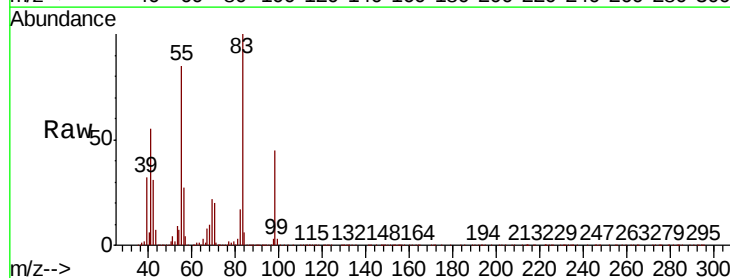
Ion 129.95 (129.65 to 130.65): V



#35
 Methylcyclohexane
 Concen: 21.857 ug/L
 RT: 8.95 min Scan# 1196
 Delta R.T. 0.00 min
 Lab File: VR026572.D
 Acq: 11 Apr 2019 12:26

Tgt Ion: 83 Resp: 1947556

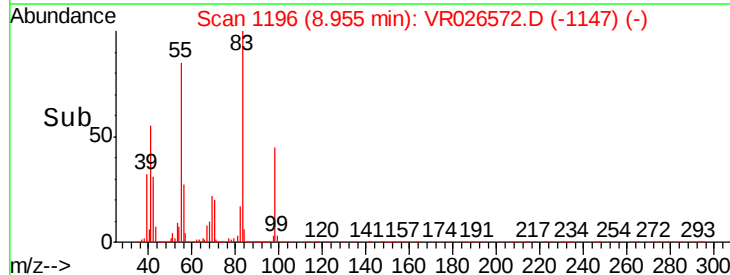
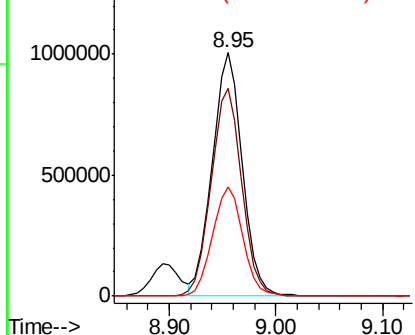
Ion	Ratio	Lower	Upper
83	100		
55	87.5	70.7	106.1
98	45.8	36.0	54.0

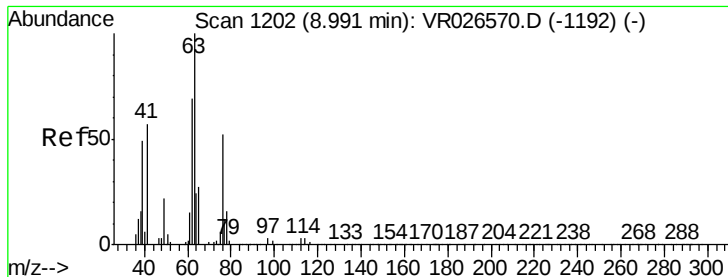


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

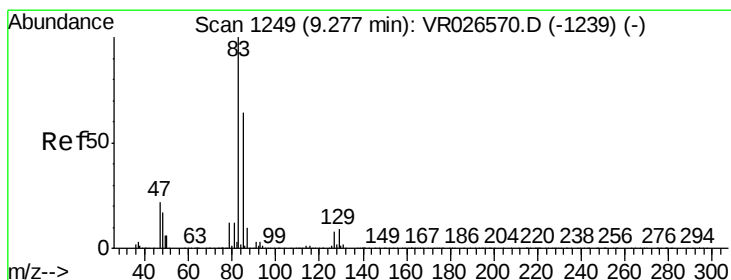
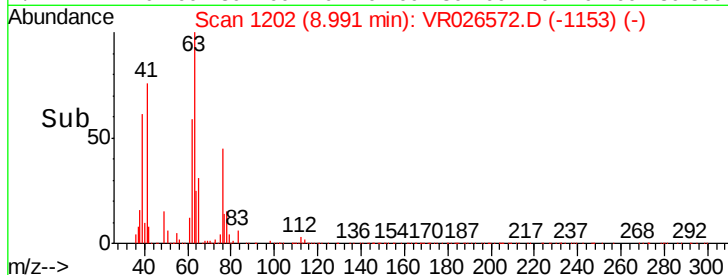
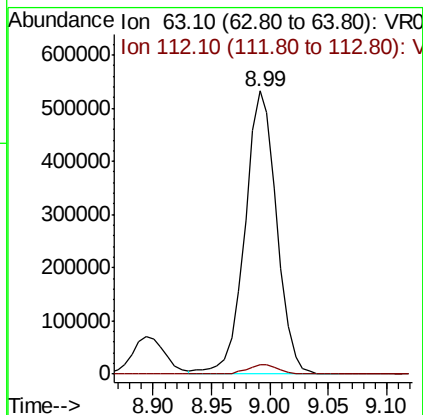
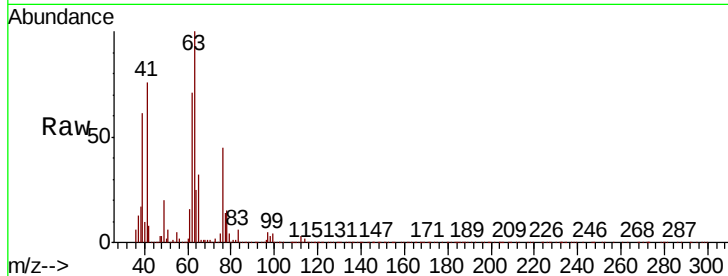




#37
 1,2-Dichloropropane
 Concen: 19.474 ug/L
 RT: 8.99 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VR026572.D
 Acq: 11 Apr 2019 12:26

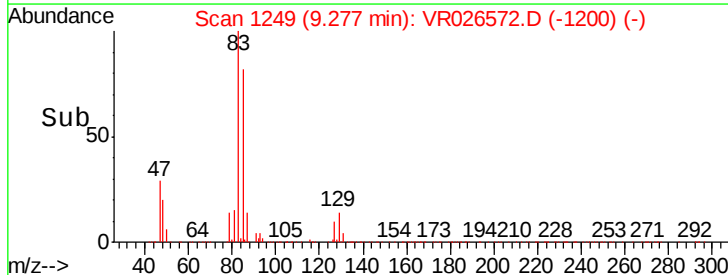
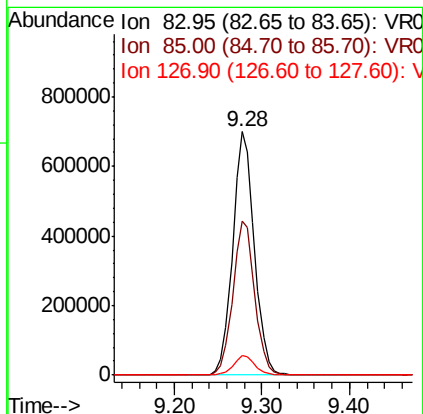
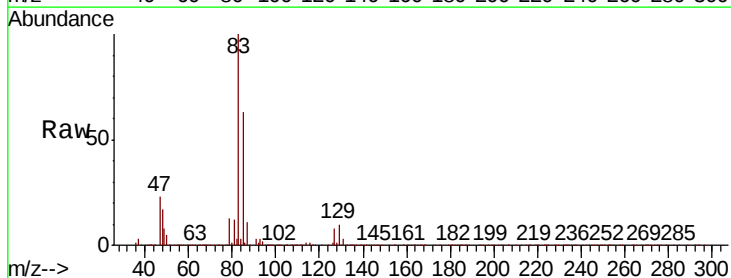
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02087

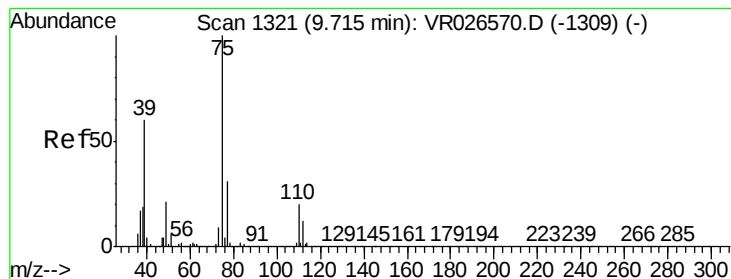
Tot Ion: 63 Resp: 998848
 Ion Ratio Lower Upper
 63 100
 112 3.3 3.0 4.4



#38
 Bromodichloromethane
 Concen: 20.105 ug/L
 RT: 9.28 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VR026572.D
 Acq: 11 Apr 2019 12:26

Tgt Ion: 83 Resp: 1199081
 Ion Ratio Lower Upper
 83 100
 85 63.3 44.7 83.1
 127 8.0 6.3 9.5



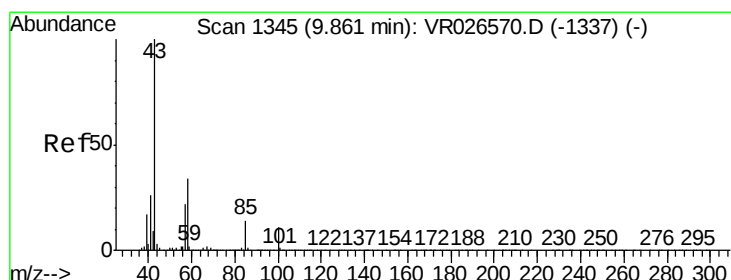
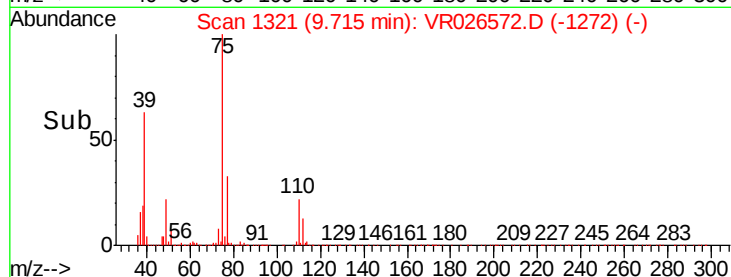
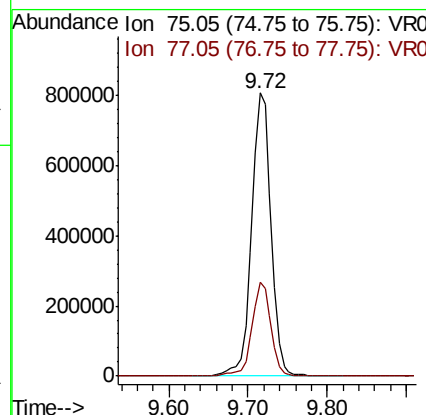
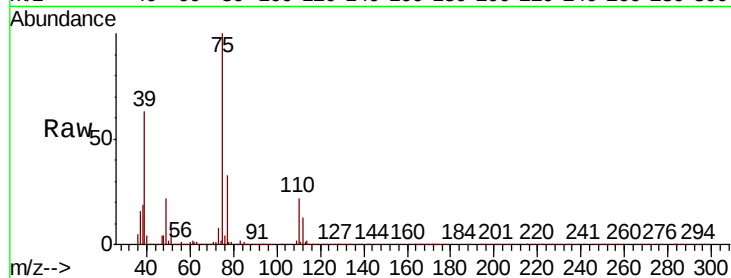


#39

cis-1,3-Dichloropropene
 Concen: 24.825 ug/L
 RT: 9.72 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VR026572.D
 Acq: 11 Apr 2019 12:26

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02087

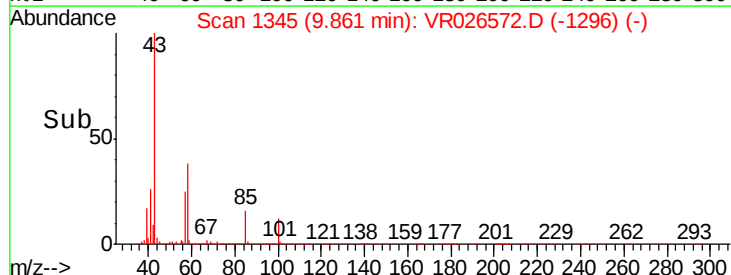
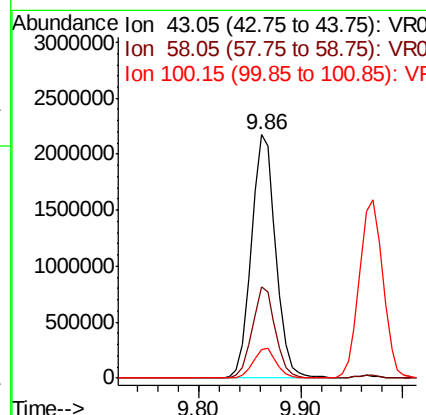
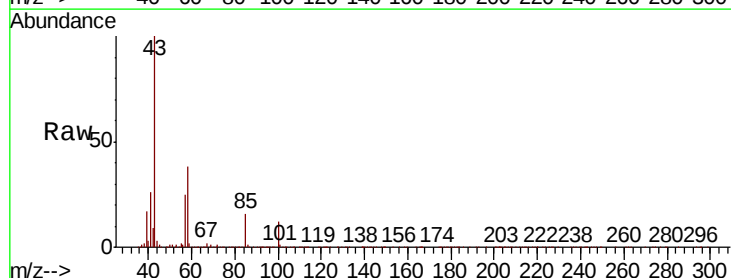
Tot Ion: 75 Resp: 1377825
 Ion Ratio Lower Upper
 75 100
 77 33.1 21.4 39.8

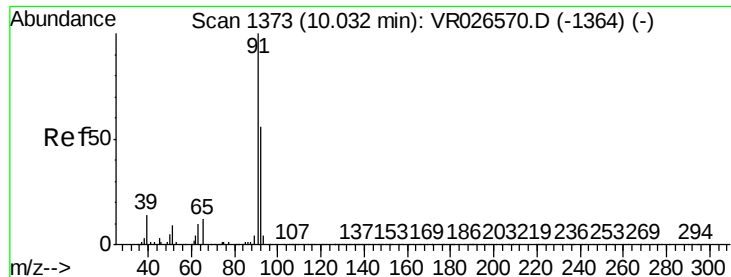


#40

4-Methyl-2-pentanone
 Concen: 235.867 ug/L
 RT: 9.86 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: VR026572.D
 Acq: 11 Apr 2019 12:26

Tgt Ion: 43 Resp: 3606071
 Ion Ratio Lower Upper
 43 100
 58 35.8 27.0 40.4
 100 11.9 9.0 13.6





#42

Toluene

Concen: 21.393 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. 0.00 min

Lab File: VR026572.D

Acq: 11 Apr 2019 12:26

Instrument :

MSVOA_R

ClientSampleId :

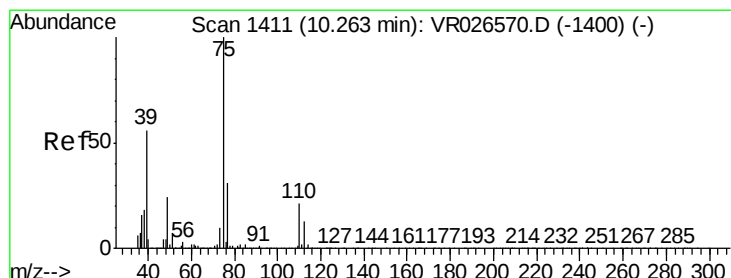
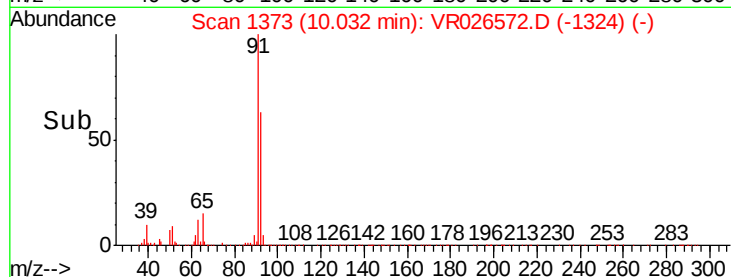
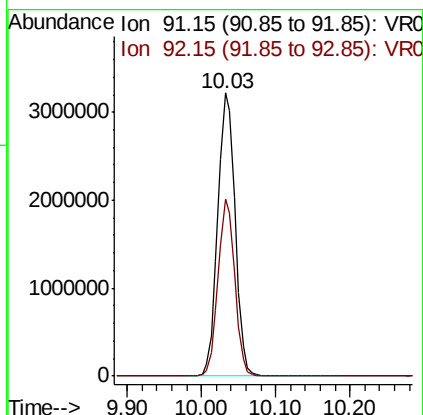
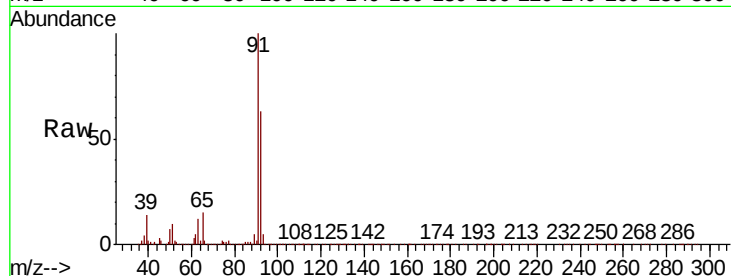
VSTD02087

Tot Ion: 91 Resp: 5157491

Ion Ratio Lower Upper

91 100

92 62.6 39.2 72.8



#44

trans-1,3-Dichloropropene

Concen: 24.098 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR026572.D

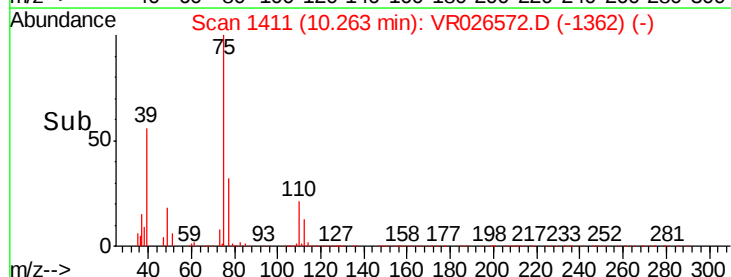
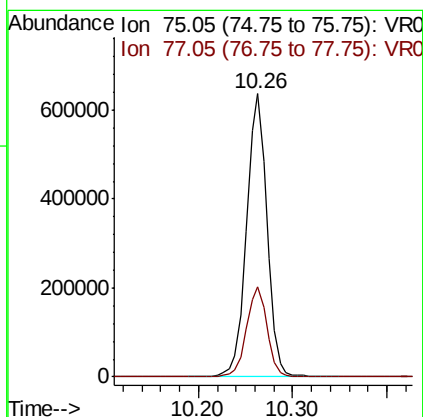
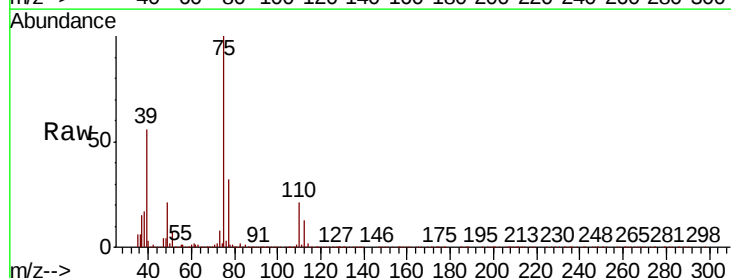
Acq: 11 Apr 2019 12:26

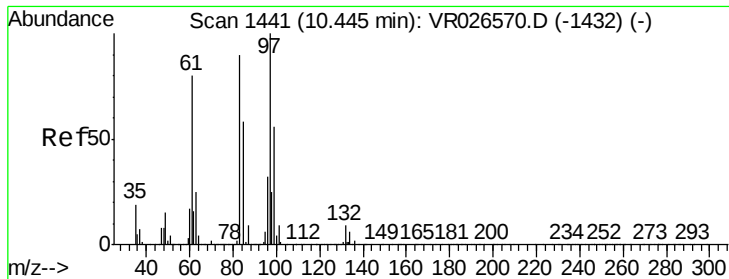
Tgt Ion: 75 Resp: 967398

Ion Ratio Lower Upper

75 100

77 32.0 21.6 40.2

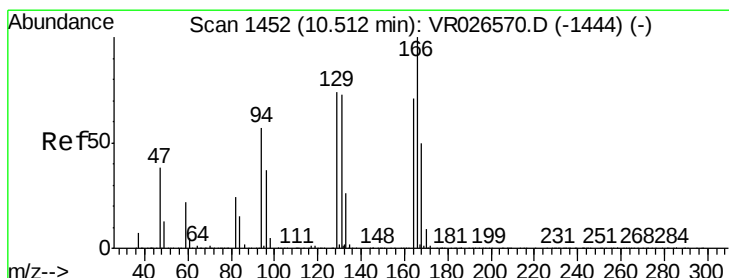
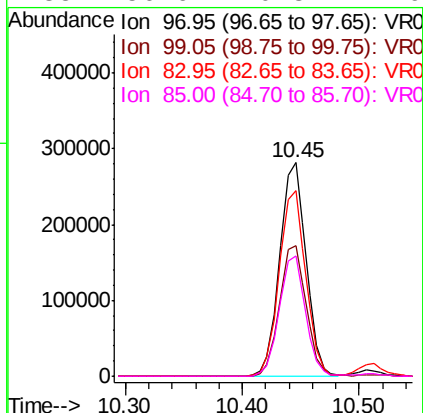
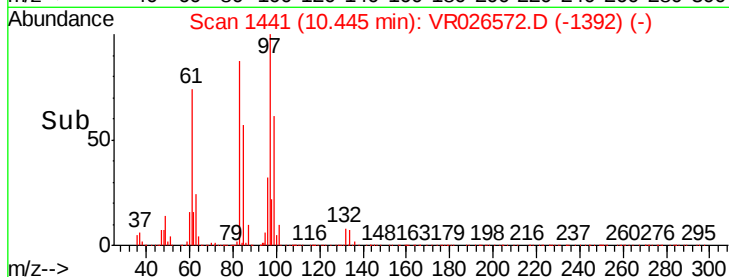
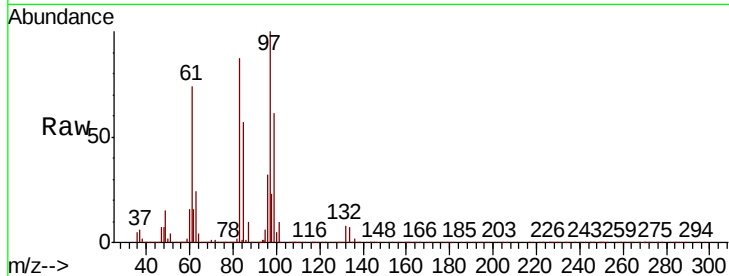




#45
 1,1,2-Trichloroethane
 Concen: 20.741 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VR026572.D
 Acq: 11 Apr 2019 12:26

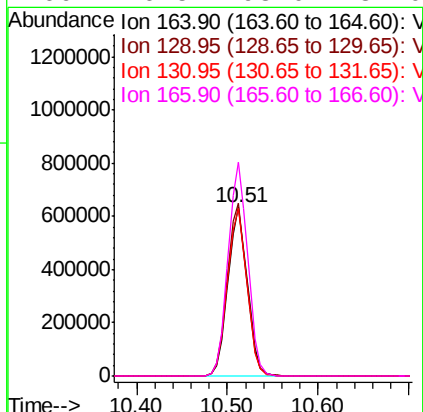
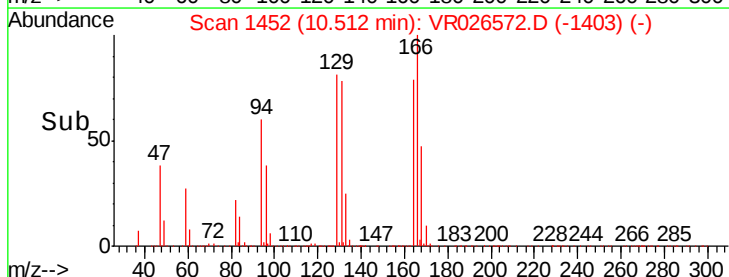
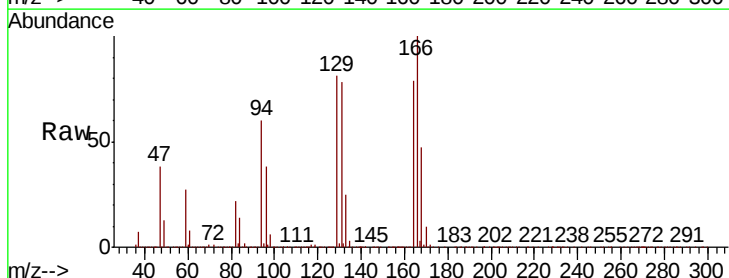
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02087

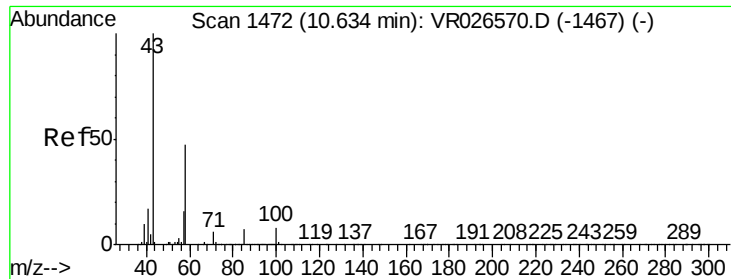
Tot Ion:	97	Resp:	438312
Ion	Ratio	Lower	Upper
97	100		
99	60.9	39.3	72.9
83	86.6	63.0	117.0
85	56.6	40.3	74.9



#47
 Tetrachloroethene
 Concen: 20.940 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: VR026572.D
 Acq: 11 Apr 2019 12:26

Tgt Ion:	164	Resp:	943883
Ion	Ratio	Lower	Upper
164	100		
129	102.5	72.7	134.9
131	99.1	72.0	133.6
166	126.5	98.0	182.0

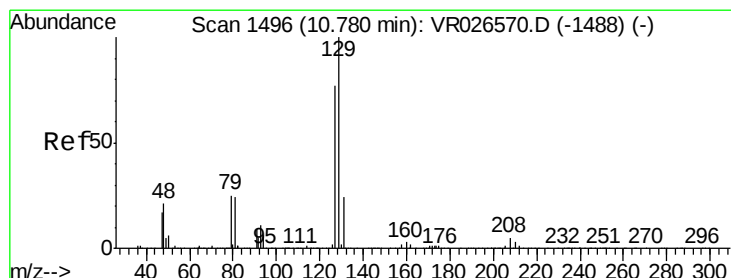
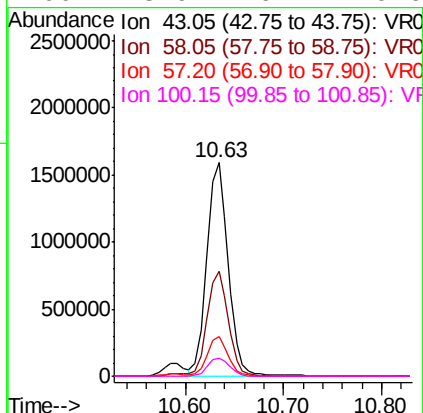
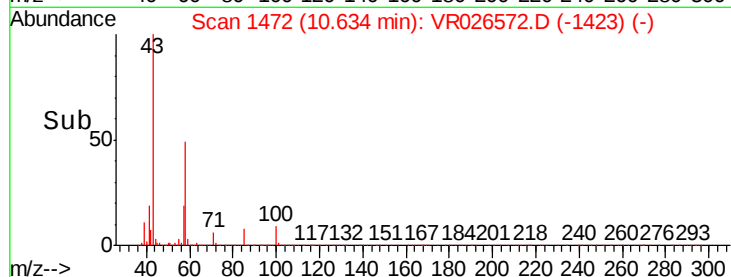
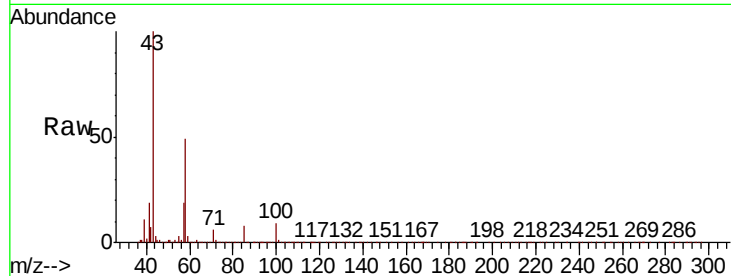




#48
2-Hexanone
Concen: 234.987 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR026572.D
Acq: 11 Apr 2019 12:26

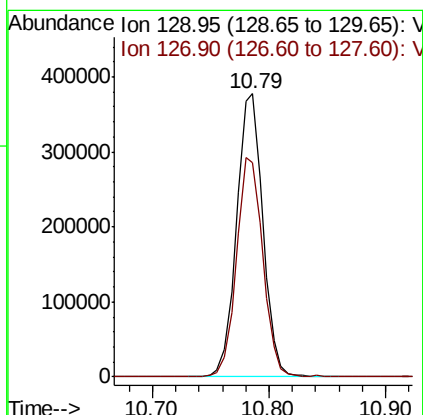
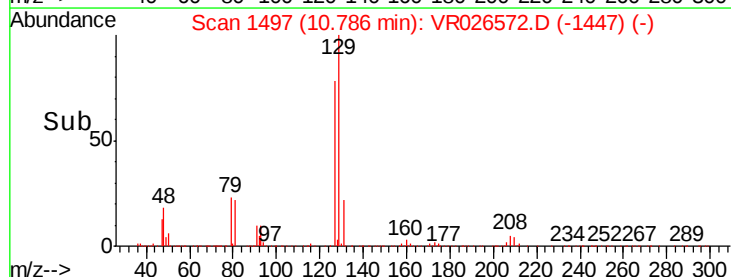
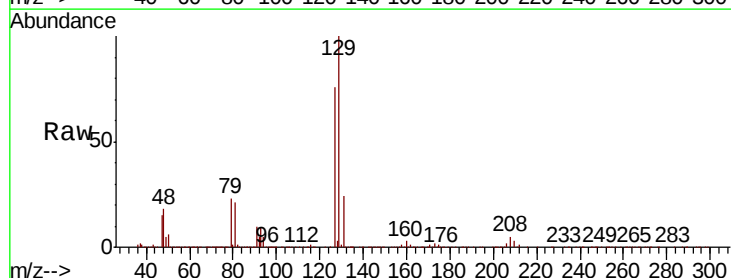
Instrument :
MSVOA_R
ClientSampleId :
VSTD02087

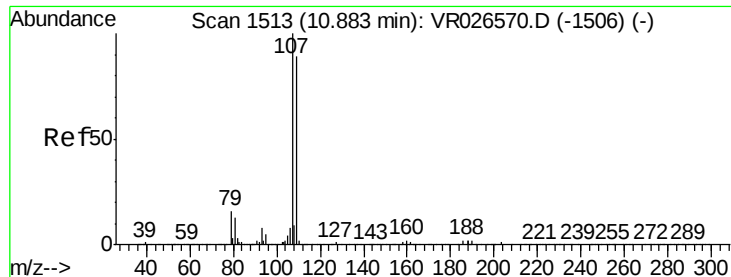
Tot Ion: 43 Resp: 2407870
Ion Ratio Lower Upper
43 100
58 50.0 37.2 55.8
57 17.9 13.4 20.0
100 8.9 6.4 9.6



#49
Dibromochloromethane
Concen: 21.609 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.01 min
Lab File: VR026572.D
Acq: 11 Apr 2019 12:26

Tgt Ion: 129 Resp: 592489
Ion Ratio Lower Upper
129 100
127 75.9 53.9 100.1

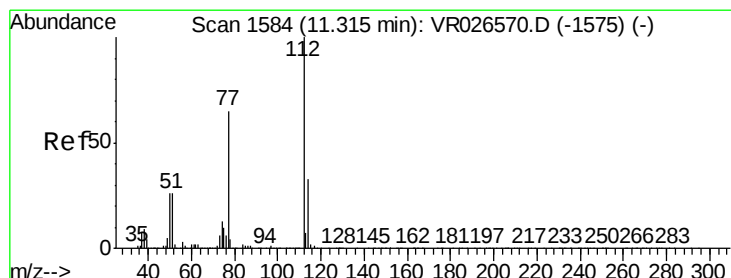
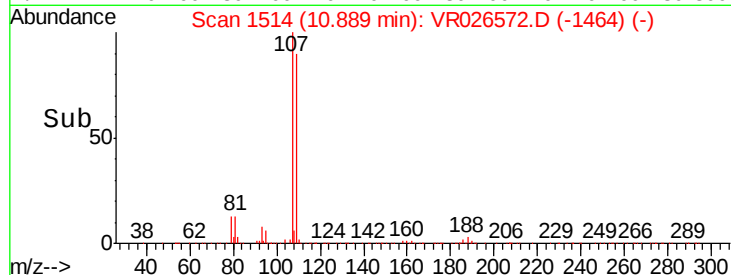
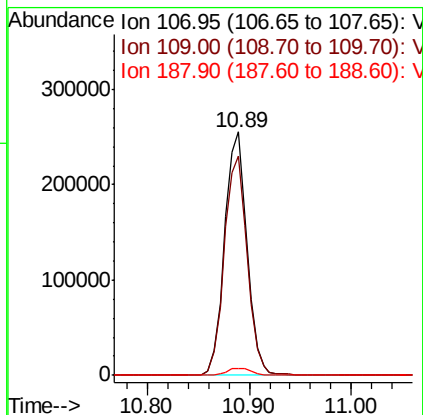
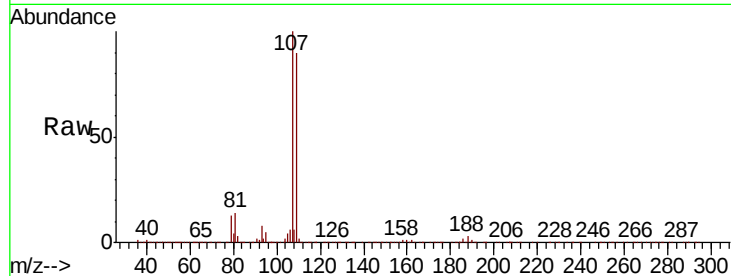




#50
1,2-Dibromoethane
Concen: 21.363 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VR026572.D
Acq: 11 Apr 2019 12:26

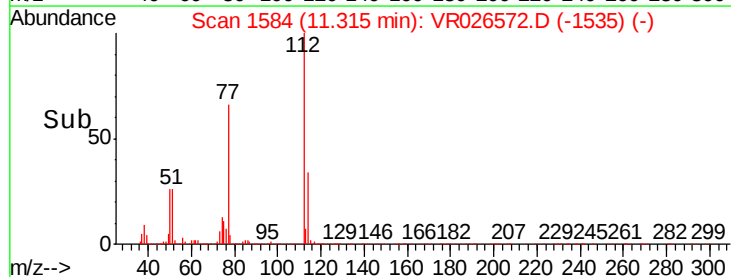
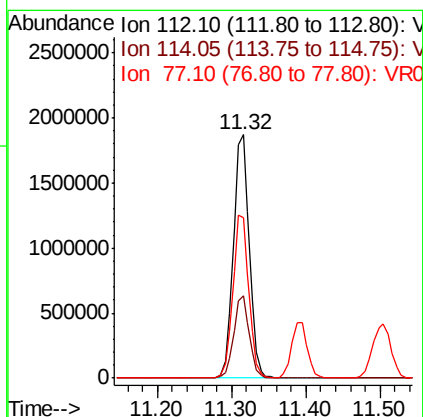
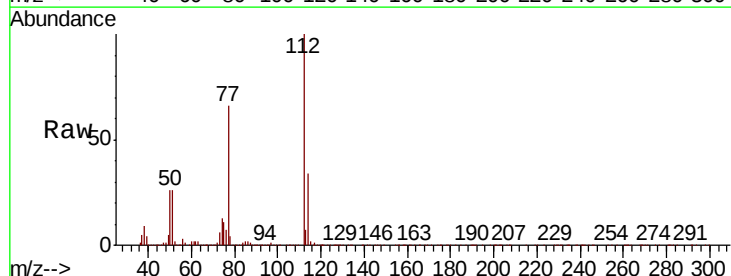
Instrument :
MSVOA_R
ClientSampleId :
VSTD02087

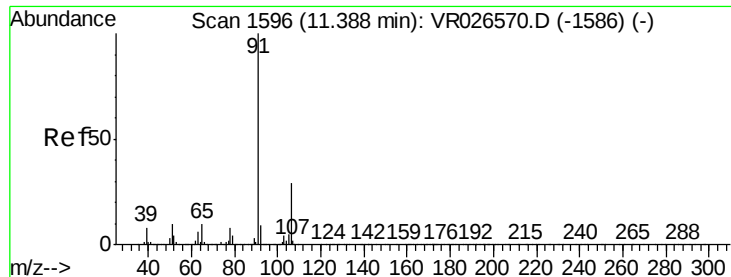
Tot Ion:107 Resp: 388162
Ion Ratio Lower Upper
107 100
109 90.0 62.6 116.3
188 3.1 3.4 5.0#



#51
Chlorobenzene
Concen: 20.531 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VR026572.D
Acq: 11 Apr 2019 12:26

Tgt Ion:112 Resp: 2800101
Ion Ratio Lower Upper
112 100
114 33.6 22.8 42.4
77 65.7 51.8 77.8





#52

Ethylbenzene

Concen: 20.999 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.01 min

Lab File: VR026572.D

Acq: 11 Apr 2019 12:26

Instrument :

MSVOA_R

ClientSampleId :

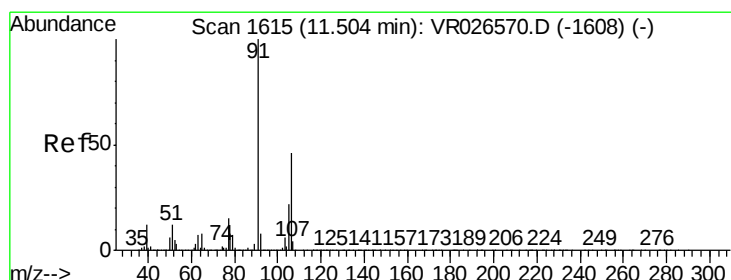
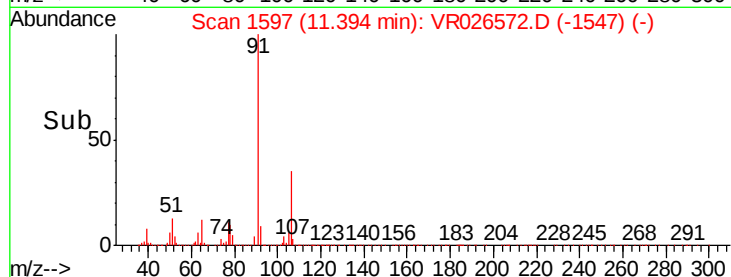
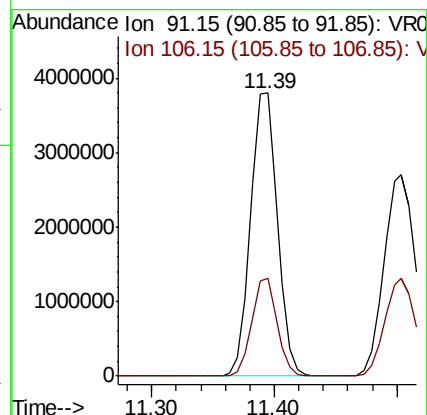
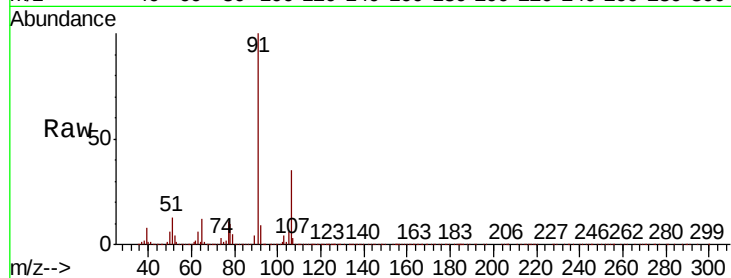
VSTD02087

Tot Ion: 91 Resp: 5824061

Ion Ratio Lower Upper

91 100

106 34.7 20.4 38.0



#53

m,p-Xylene

Concen: 22.889 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR026572.D

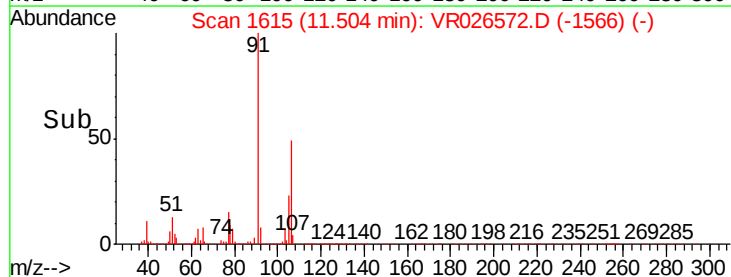
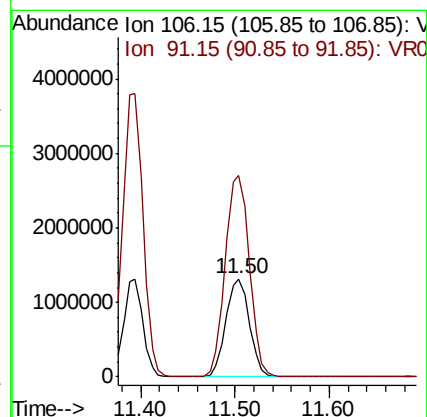
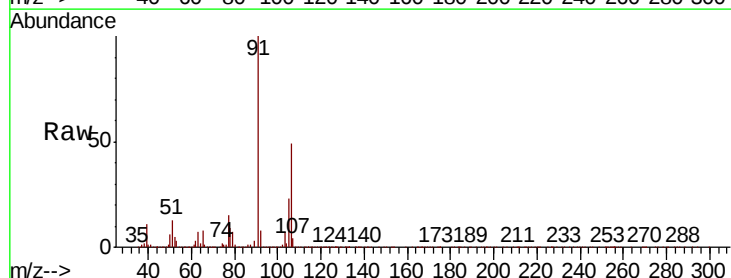
Acq: 11 Apr 2019 12:26

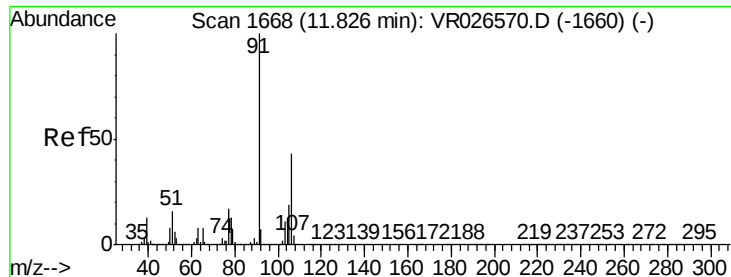
Tgt Ion:106 Resp: 2272613

Ion Ratio Lower Upper

106 100

91 206.0 151.8 282.0

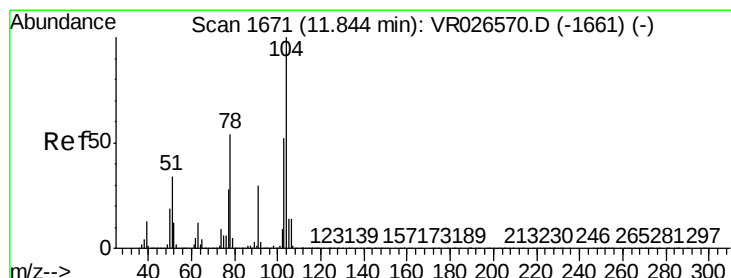
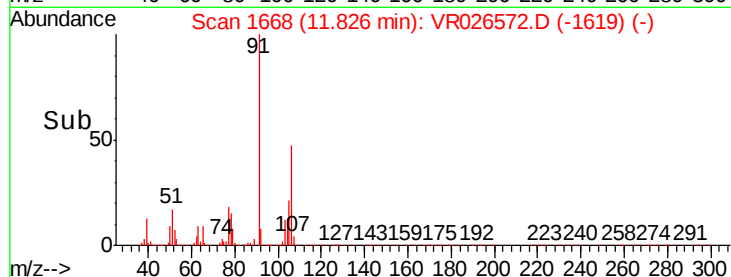
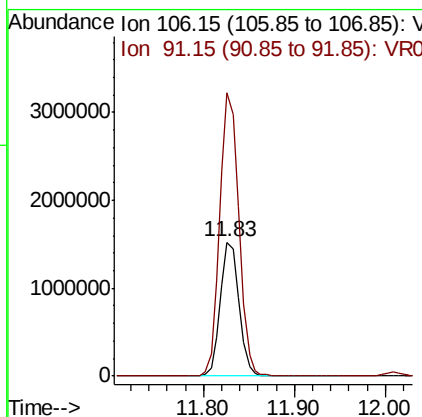
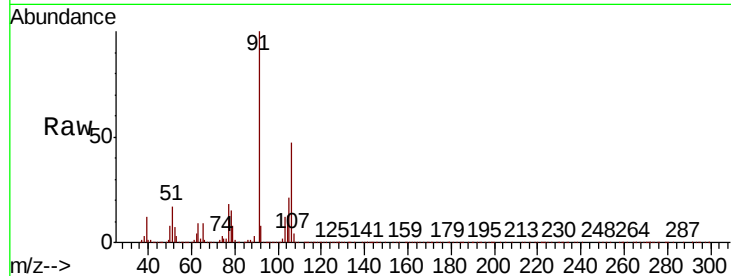




#54
o-Xylene
Concen: 25.132 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. 0.00 min
Lab File: VR026572.D
Acq: 11 Apr 2019 12:26

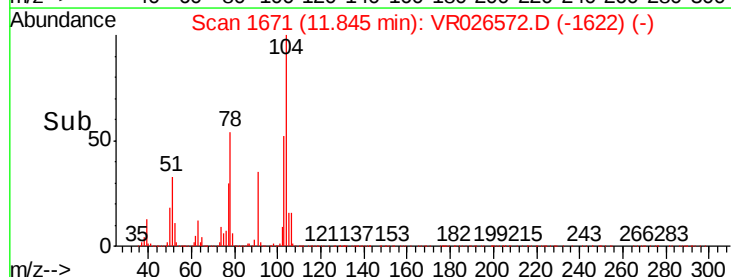
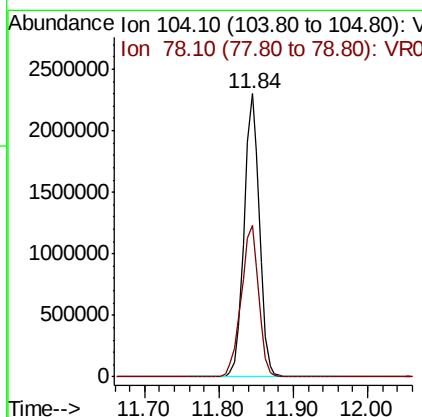
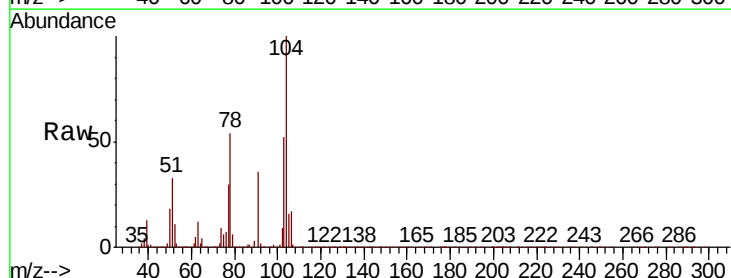
Instrument :
MSVOA_R
ClientSampleId :
VSTD02087

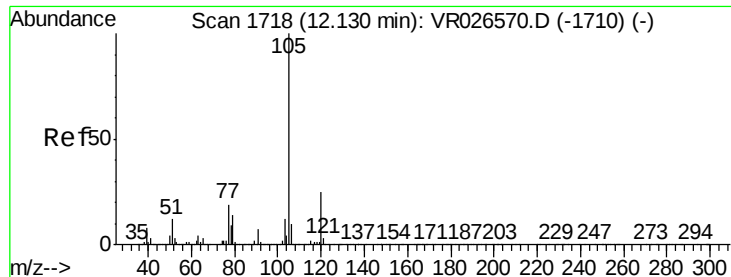
Tot Ion:106 Resp: 2203128
Ion Ratio Lower Upper
106 100
91 211.1 161.0 299.0



#55
Styrene
Concen: 24.012 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026572.D
Acq: 11 Apr 2019 12:26

Tgt Ion:104 Resp: 3324627
Ion Ratio Lower Upper
104 100
78 53.7 37.5 69.7





#56

Isopropylbenzene

Concen: 22.871 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026572.D

Acq: 11 Apr 2019 12:26

Instrument :

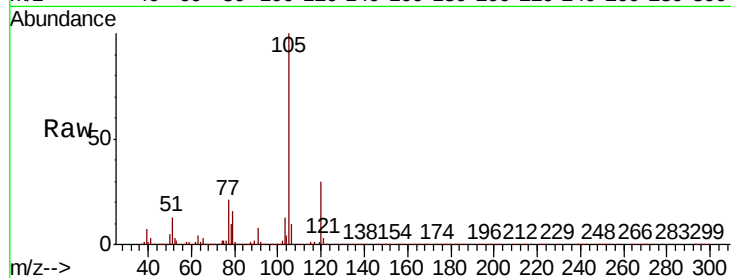
MSVOA_R

ClientSampled :

VSTD02087

Tot Ion:105 Resp: 5659752

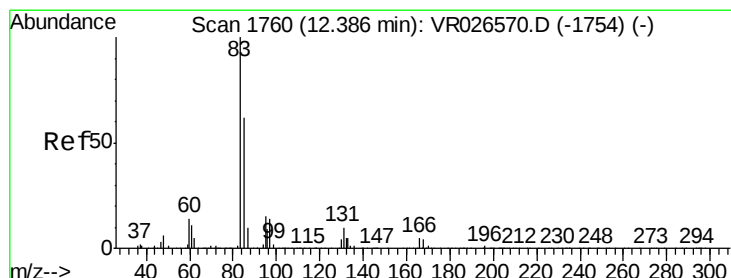
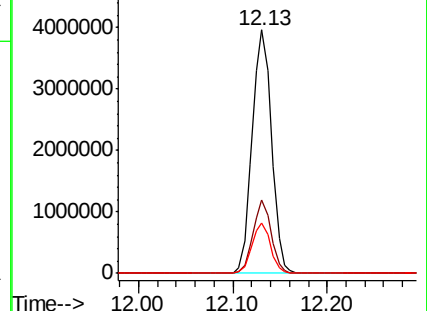
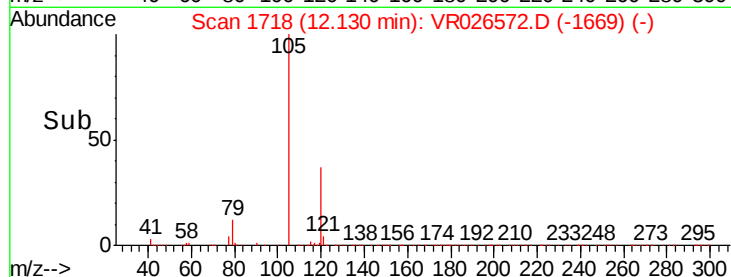
Ion	Ratio	Lower	Upper
105	100		
120	28.1	20.6	31.0
77	19.7	14.3	21.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VR0



#58

1,1,2,2-Tetrachloroethane

Concen: 20.362 ug/L

RT: 12.38 min Scan# 1759

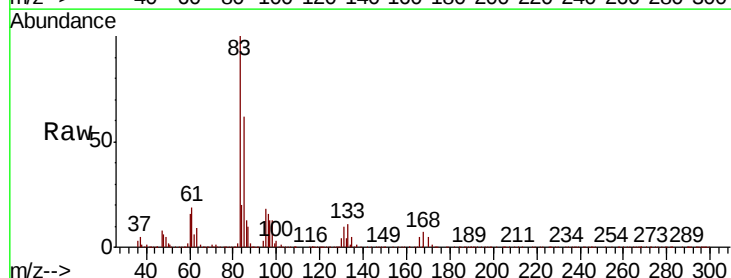
Delta R.T. -0.01 min

Lab File: VR026572.D

Acq: 11 Apr 2019 12:26

Tgt Ion: 83 Resp: 417533

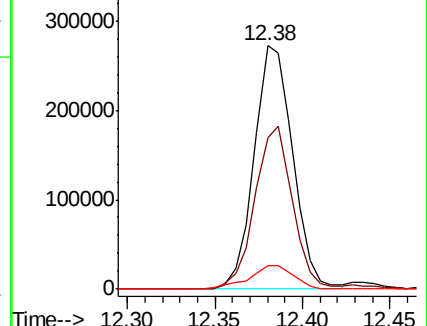
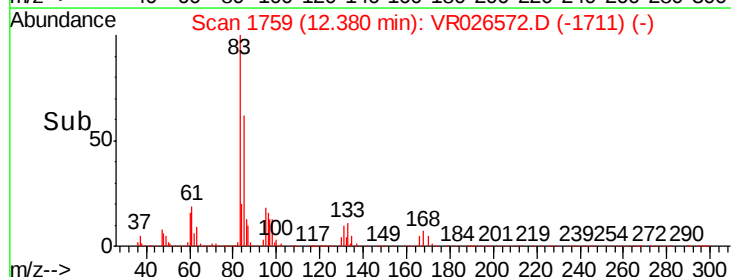
Ion	Ratio	Lower	Upper
83	100		
85	62.0	44.3	82.3
131	9.8	8.9	13.3

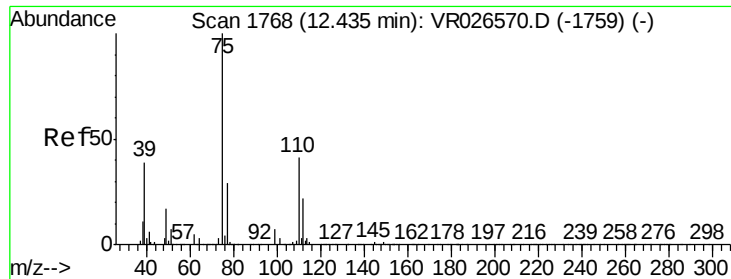


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 20.131 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VR026572.D

Acq: 11 Apr 2019 12:26

Instrument :

MSVOA_R

ClientSampleId :

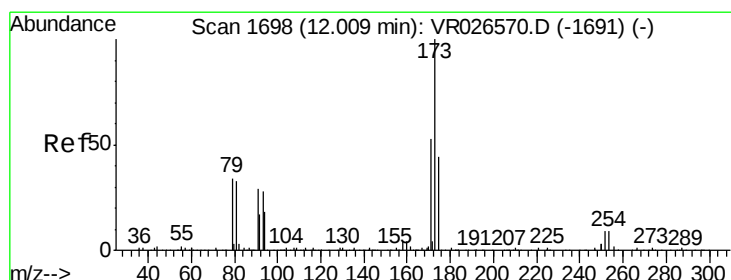
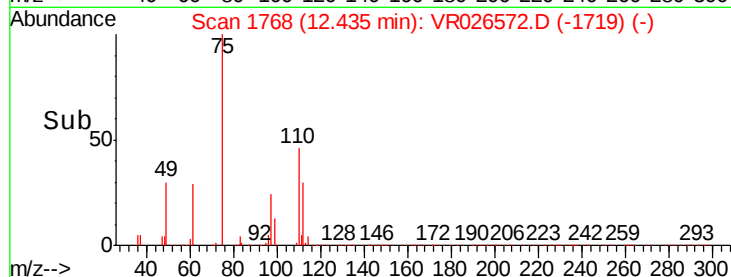
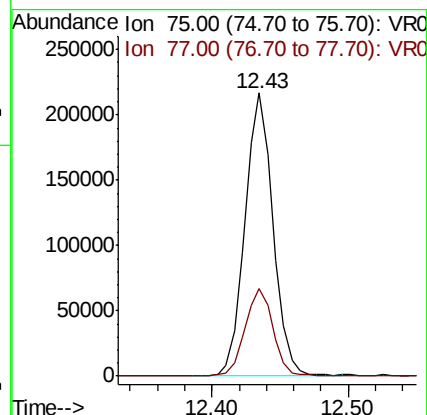
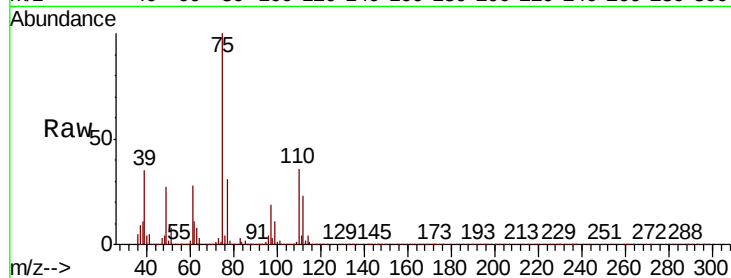
VSTD02087

Tot Ion: 75 Resp: 311965

Ion Ratio Lower Upper

75 100

77 30.8 25.2 37.8



#61

Bromoform

Concen: 21.229 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR026572.D

Acq: 11 Apr 2019 12:26

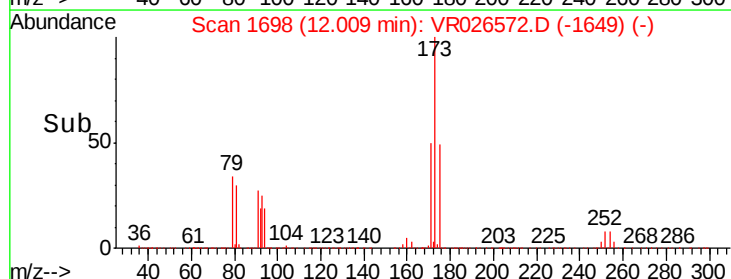
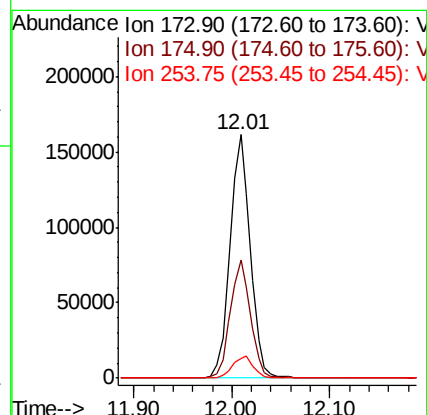
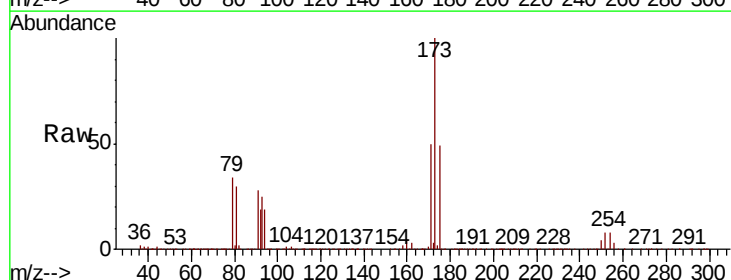
Tgt Ion: 173 Resp: 231492

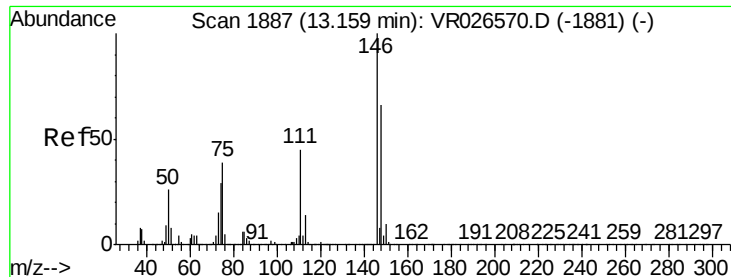
Ion Ratio Lower Upper

173 100

175 48.6 39.1 58.7

254 9.0 8.3 12.5





#62

1,3-Dichlorobenzene

Concen: 22.902 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VR026572.D

Acq: 11 Apr 2019 12:26

Instrument :

MSVOA_R

ClientSampleId :

VSTD02087

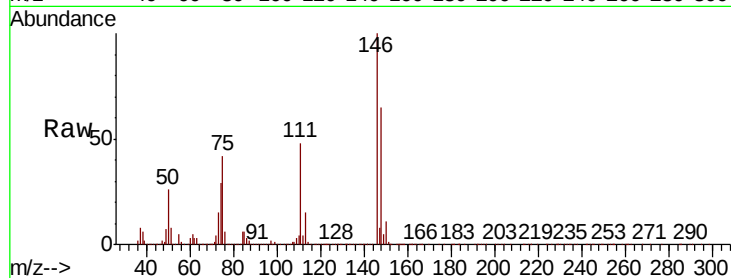
Tot Ion:146 Resp: 1793348

Ion Ratio Lower Upper

146 100

111 47.5 31.4 58.2

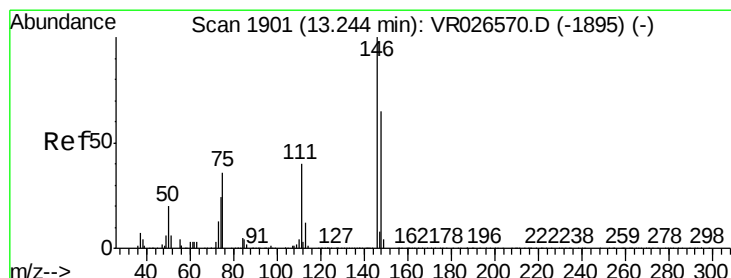
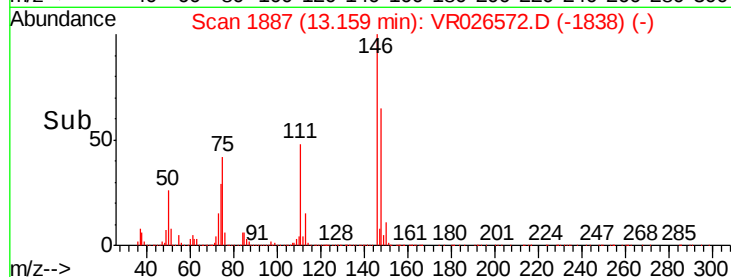
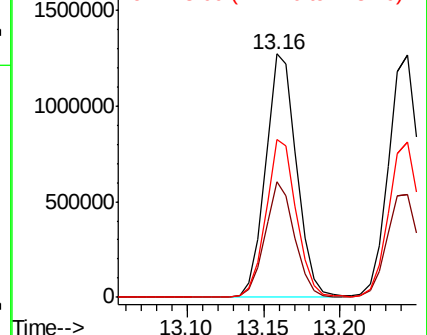
148 64.6 46.5 86.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 19.990 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VR026572.D

Acq: 11 Apr 2019 12:26

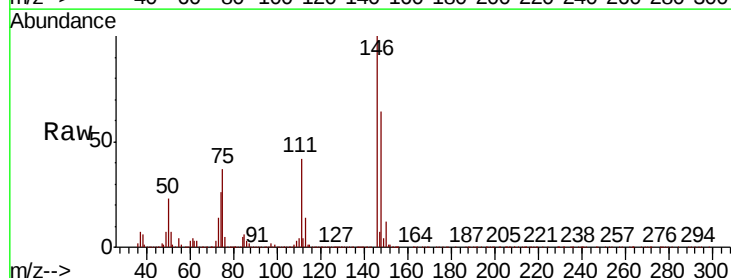
Tgt Ion:146 Resp: 1782208

Ion Ratio Lower Upper

146 100

111 42.3 28.4 52.8

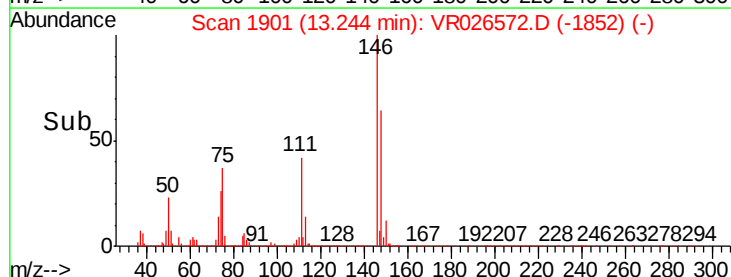
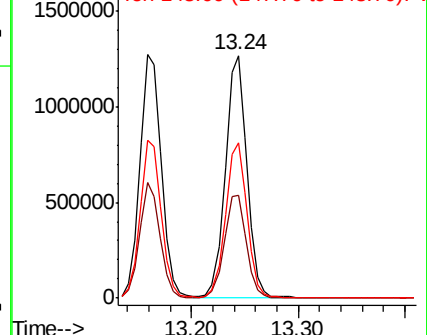
148 64.2 45.4 84.4

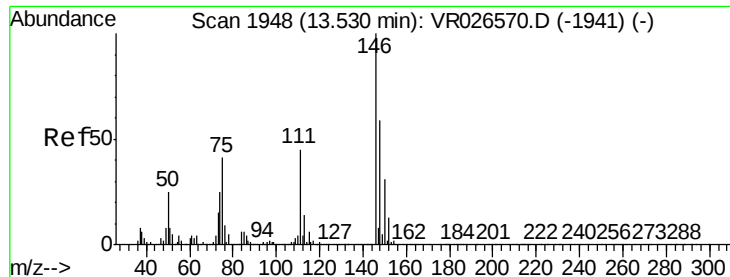


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

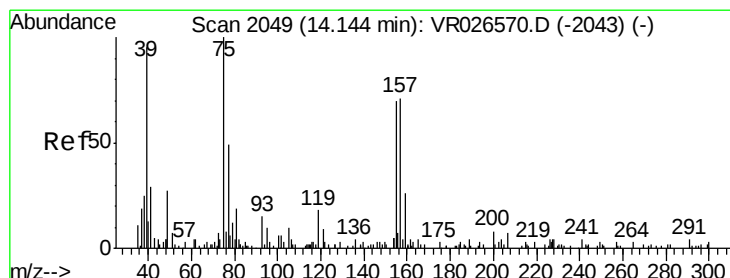
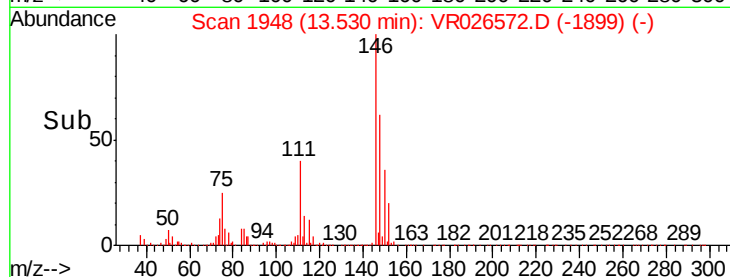
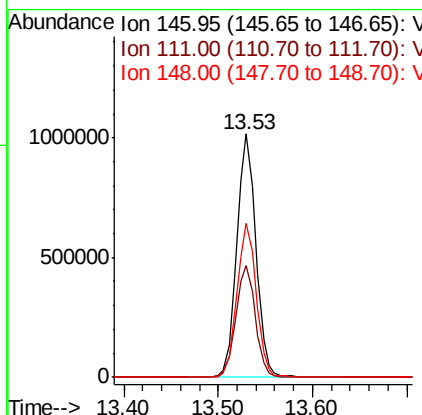
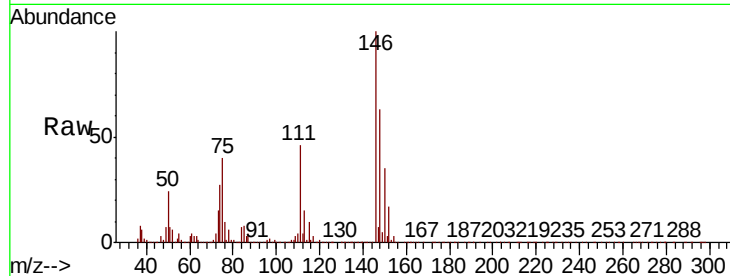




#65
 1,2-Dichlorobenzene
 Concen: 21.627 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. 0.00 min
 Lab File: VR026572.D
 Acq: 11 Apr 2019 12:26

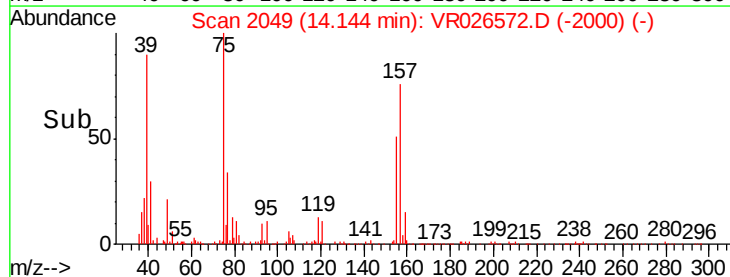
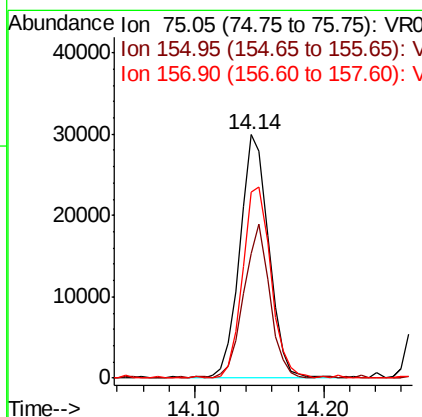
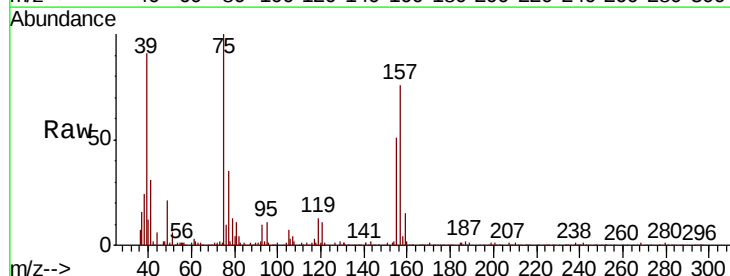
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02087

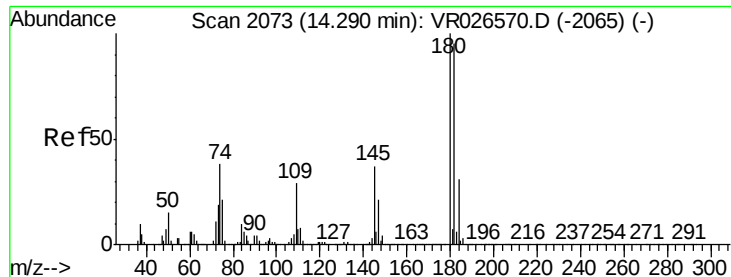
Tot Ion:146 Resp: 1426845
 Ion Ratio Lower Upper
 146 100
 111 46.1 35.8 53.8
 148 63.3 47.4 71.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 18.669 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VR026572.D
 Acq: 11 Apr 2019 12:26

Tgt Ion: 75 Resp: 46388
 Ion Ratio Lower Upper
 75 100
 155 50.9 57.2 85.8#
 157 76.4 56.7 85.1

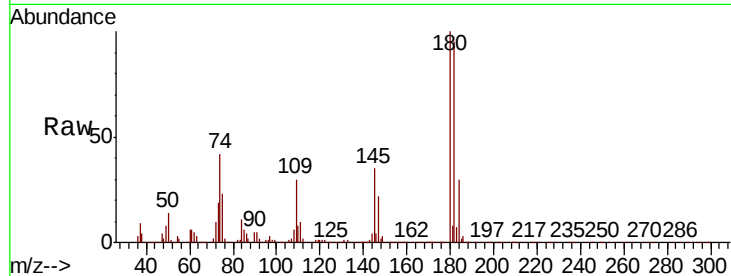




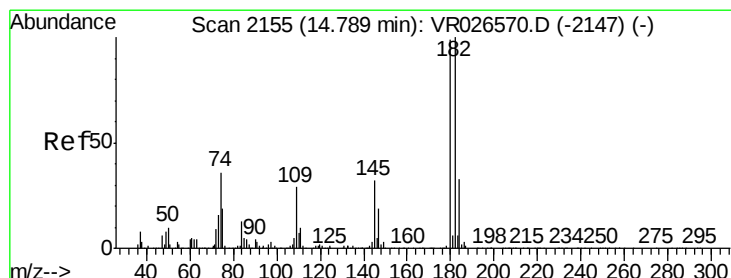
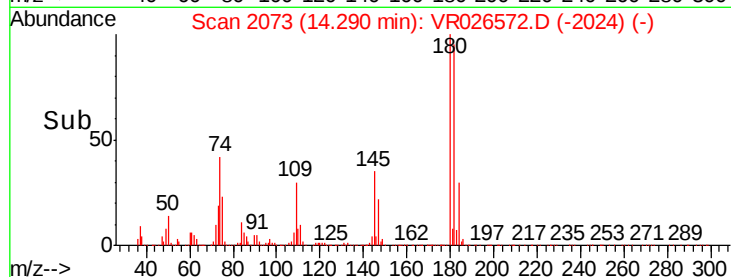
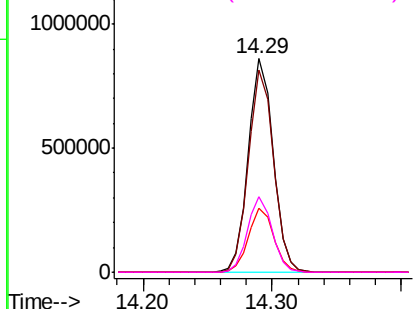
#67
 1,3,5-Trichlorobenzene
 Concen: 22.182 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR026572.D
 Acq: 11 Apr 2019 12:26

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02087

Tot Ion:180 Resp: 1142523
 Ion Ratio Lower Upper
 180 100
 182 95.3 74.4 111.6
 184 30.5 24.6 37.0
 145 34.6 26.2 39.4

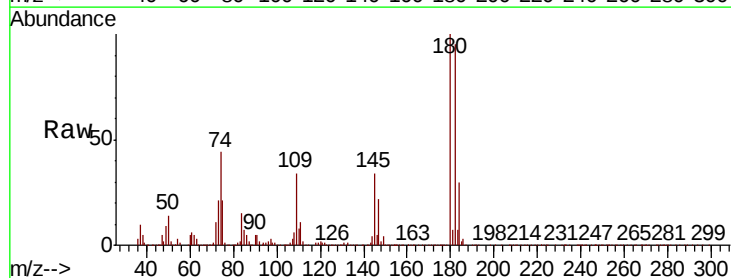


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

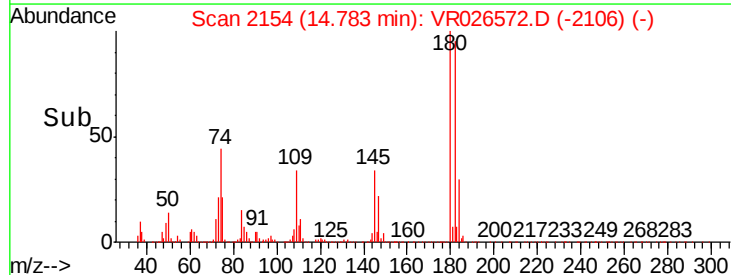
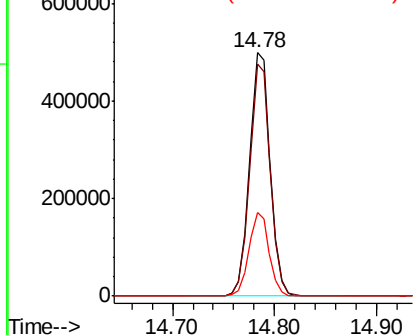


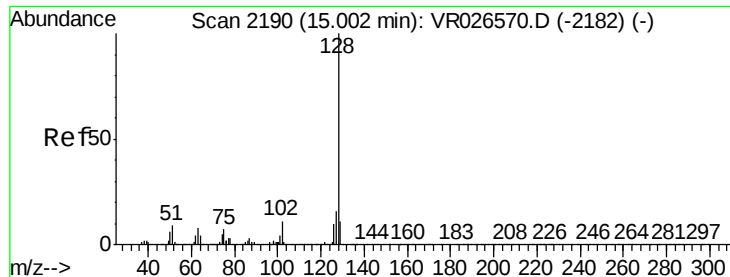
#68
 1,2,4-trichlorobenzene
 Concen: 24.788 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.01 min
 Lab File: VR026572.D
 Acq: 11 Apr 2019 12:26

Tgt Ion:180 Resp: 704427
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.0 114.0
 145 33.6 26.1 39.1



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: 30.846 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR026572.D

Acq: 11 Apr 2019 12:26

Instrument :

MSVOA_R

ClientSampleId :

VSTD02087

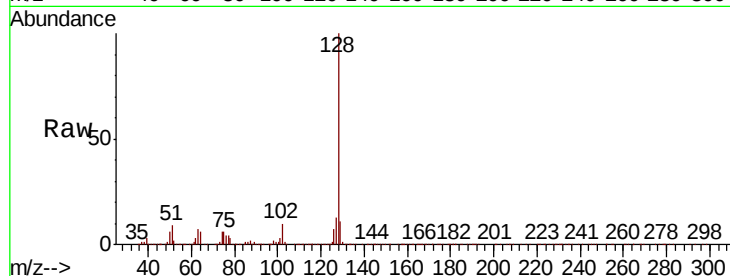
Tot Ion:128 Resp: 813417

Ion Ratio Lower Upper

128 100

127 13.0 11.8 17.6

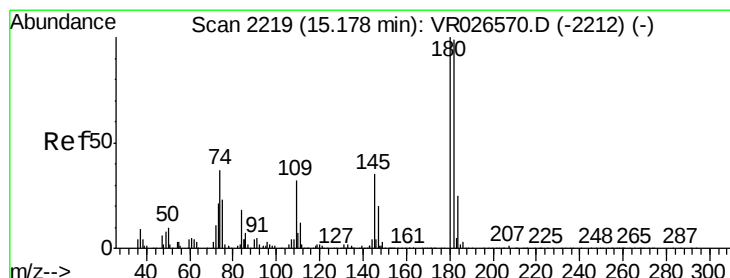
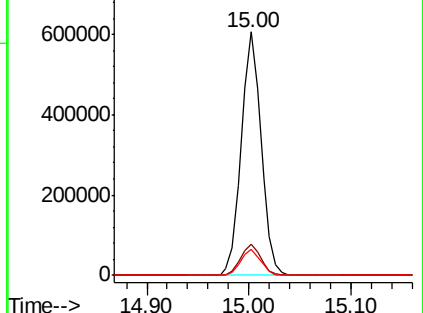
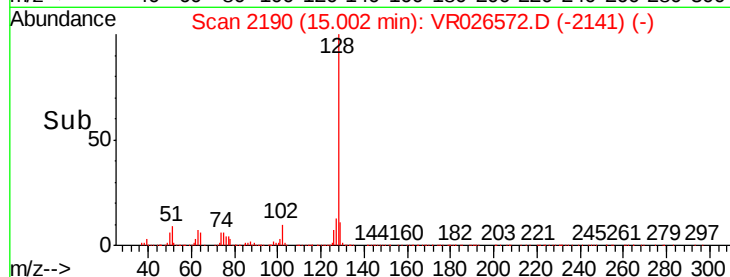
129 10.7 9.3 13.9



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: 24.492 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR026572.D

Acq: 11 Apr 2019 12:26

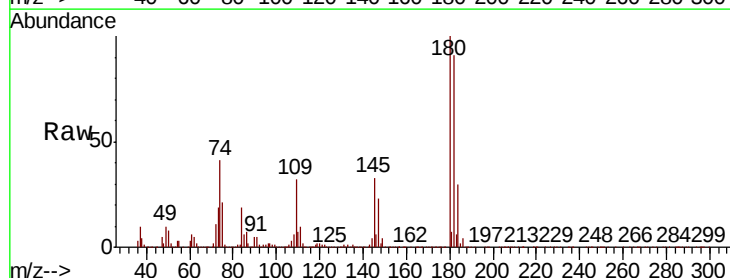
Tgt Ion:180 Resp: 491306

Ion Ratio Lower Upper

180 100

182 94.1 74.8 112.2

145 35.4 27.6 41.4



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

