

Data File : VR026268.D
Acq On : 17 Dec 2018 16:43
Operator : SY/MD
Sample : VSTD02085
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD02085

Quant Time: Dec 17 17:12:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Dec 17 16:44:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	699954	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	588476	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	237476	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	818056	13.20	ug/L	0.00
7) Chloroethane-d5	2.63	69	808351	15.46	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.61	63	2386545	15.90	ug/L	0.00
20) 2-Butanone-d5	6.59	46	898479	190.07	ug/L	0.00
24) Chloroform-d	7.20	84	1906672	17.84	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.90	65	720511	17.45	ug/L	0.00
32) Benzene-d6	7.85	84	3847689	18.97	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	969495	18.74	ug/L	0.00
41) Toluene-d8	9.97	98	3688669	19.41	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	273900	19.54	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	682432	214.71	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	346750	16.32	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	754770	18.52	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	1117634	23.225 ug/L	98
3) Chloromethane	2.02	50	1357899	20.474 ug/L	100
5) Vinyl chloride	2.17	62	1345509	20.518 ug/L	99
6) Bromomethane	2.52	94	871251	19.854 ug/L	96
8) Chloroethane	2.66	64	831465	20.240 ug/L	98
9) Trichlorofluoromethane	2.93	101	2144026	20.249 ug/L	# 58
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	1129429	19.516 ug/L	98
12) 1,1-Dichloroethene	3.63	96	1243878	19.885 ug/L	95
13) Acetone	3.70	43	782330	180.818 ug/L	98
14) Carbon disulfide	3.93	76	4147938	26.283 ug/L	99
15) Methyl Acetate	4.19	43	216110	18.460 ug/L	100
16) Methylene chloride	4.40	84	1015862	17.798 ug/L	98
17) Methyl tert-butyl Ether	4.90	73	1320682	21.304 ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	1226620	23.163 ug/L	97
19) 1,1-Dichloroethane	5.69	63	2122688	22.003 ug/L	99
21) 2-Butanone	6.69	43	1155398	209.297 ug/L	97
22) cis-1,2-Dichloroethene	6.67	96	1156086	24.452 ug/L	99
23) Bromochloromethane	7.05	128	305731	20.793 ug/L	93
25) Chloroform	7.23	83	2033663	19.096 ug/L	97
27) 1,2-Dichloroethane	7.99	62	883619	20.194 ug/L	98
29) 1,1,1-Trichloroethane	7.43	97	1940285	23.819 ug/L	99
30) Cyclohexane	7.52	56	1956834	27.969 ug/L	99
31) Carbon tetrachloride	7.64	117	1742601	23.868 ug/L	99
33) Benzene	7.91	78	4958391	23.259 ug/L	100
34) Trichloroethene	8.71	95	1322866	23.873 ug/L	99
35) Methylcyclohexane	8.95	83	2043242	27.314 ug/L	99
37) 1,2-Dichloropropane	9.00	63	978214	21.955 ug/L	100
38) Bromodichloromethane	9.28	83	1141188	21.683 ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	1290448	25.769 ug/L	100
40) 4-Methyl-2-pentanone	9.87	43	2802654	219.793 ug/L	96

Data File : VR026268.D
Acq On : 17 Dec 2018 16:43
Operator : SY/MD
Sample : VSTD02085
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD02085

Quant Time: Dec 17 17:12:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Dec 17 16:44:35 2018
Response via : Initial Calibration

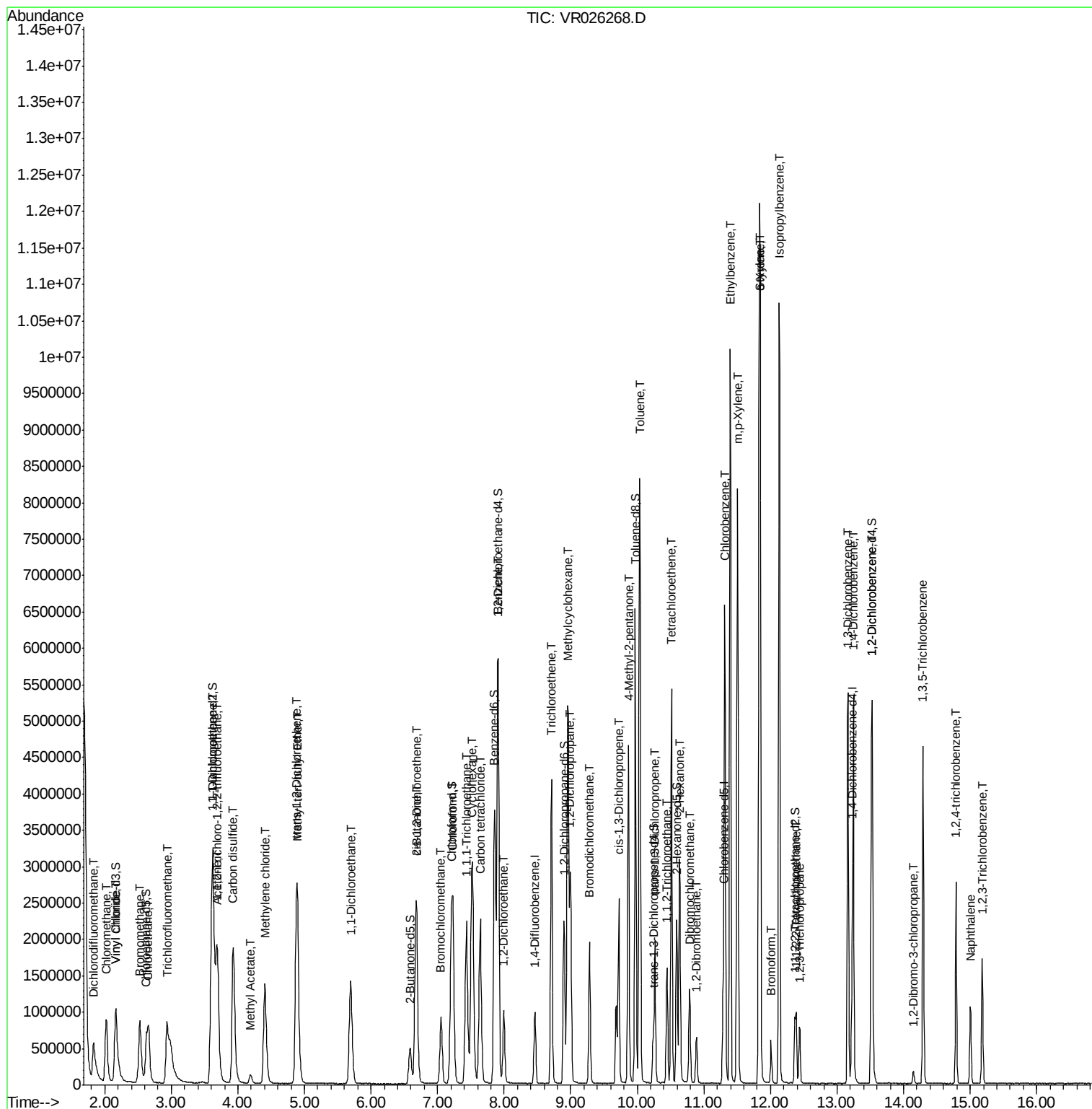
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.04	91	5236361	22.636	ug/L	93
44) trans-1,3-Dichloropropene	10.26	75	915221	26.983	ug/L	95
45) 1,1,2-Trichloroethane	10.45	97	409075	20.649	ug/L	98
47) Tetrachloroethene	10.51	164	1018850	25.508	ug/L	97
48) 2-Hexanone	10.63	43	1827178	214.099	ug/L	98
49) Dibromochloromethane	10.79	129	560813	23.539	ug/L	99
50) 1,2-Dibromoethane	10.89	107	359794	21.644	ug/L	95
51) Chlorobenzene	11.32	112	2798383	21.769	ug/L	96
52) Ethylbenzene	11.39	91	5802860	22.689	ug/L	89
53) m,p-Xylene	11.50	106	2347994	25.226	ug/L	93
54) o-Xylene	11.83	106	2201860	26.108	ug/L	91
55) Styrene	11.84	104	3251601	24.204	ug/L	97
56) Isopropylbenzene	12.13	105	5651101	24.120	ug/L	95
58) 1,1,2,2-Tetrachloroethane	12.39	83	365731	19.294	ug/L	99
59) 1,2,3-Trichloropropane	12.43	75	276121	19.917	ug/L	97
61) Bromoform	12.01	173	222869	23.901	ug/L	97
62) 1,3-Dichlorobenzene	13.16	146	1766807	23.422	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	1742742	20.969	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	1359917	21.880	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.15	75	40581	17.504	ug/L #	86
67) 1,3,5-Trichlorobenzene	14.29	180	1170558	24.856	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	675361	25.831	ug/L	99
69) Naphthalene	15.00	128	714348	27.960	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	449558	23.180	ug/L	98

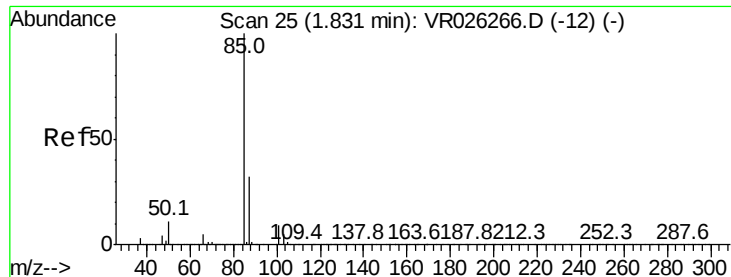
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VR026268.D
Acq On : 17 Dec 2018 16:43
Operator : SY/MD
Sample : VSTD02085
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_R
Client Sample ID :
VSTD02085

Quant Time: Dec 17 17:12:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Dec 17 16:44:35 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 23.225 ug/L

RT: 1.83 min Scan# 25

Delta R.T. -0.00 min

Lab File: VR026268.D

Acq: 17 Dec 2018 16:43

Instrument :

MSVOA_R

ClientSampleId :

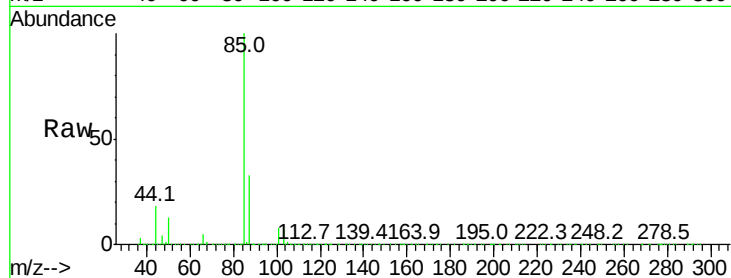
VSTD02085

Tgt Ion: 85 Resp: 1117634

Ion Ratio Lower Upper

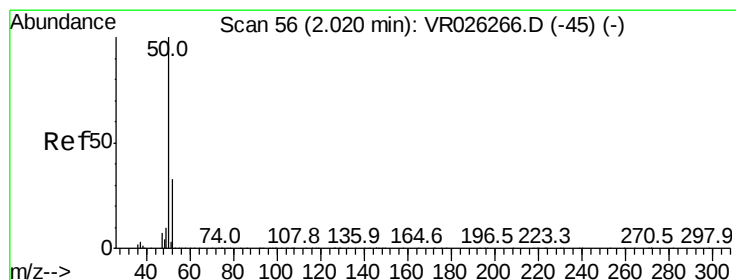
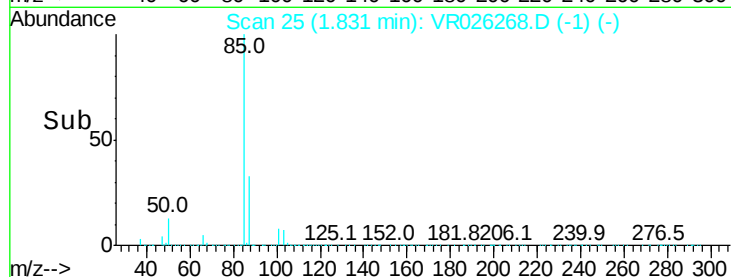
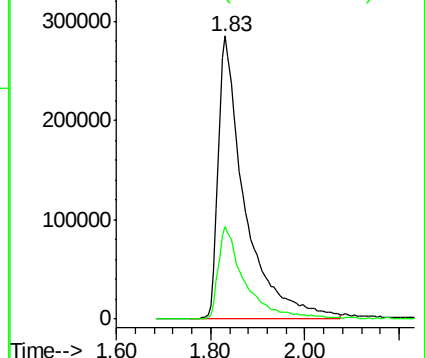
85 100

87 31.0 23.8 35.6



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 20.474 ug/L

RT: 2.02 min Scan# 56

Delta R.T. -0.00 min

Lab File: VR026268.D

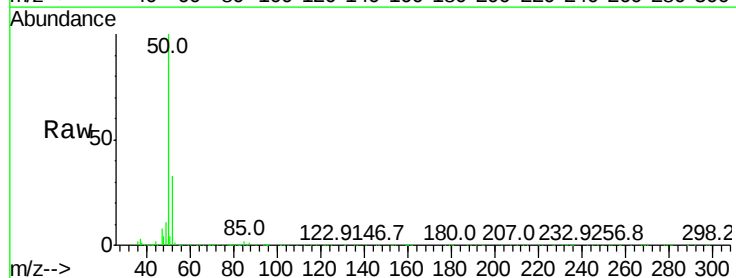
Acq: 17 Dec 2018 16:43

Tgt Ion: 50 Resp: 1357899

Ion Ratio Lower Upper

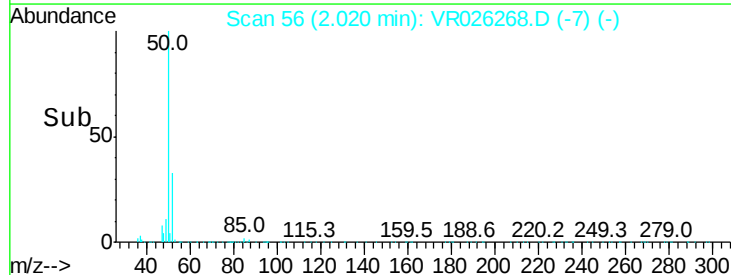
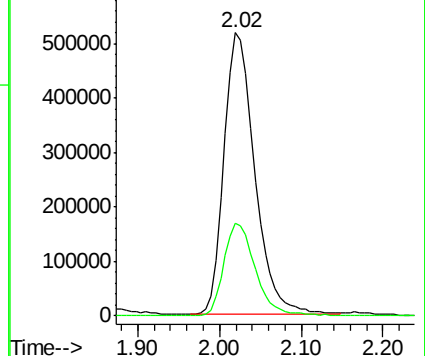
50 100

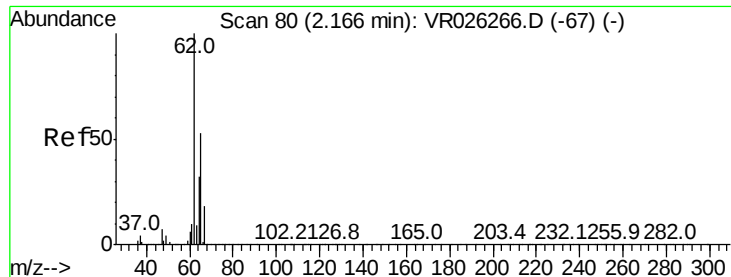
52 32.6 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 20.518 ug/L

RT: 2.17 min Scan# 81

Delta R.T. 0.01 min

Lab File: VR026268.D

Acq: 17 Dec 2018 16:43

Instrument :

MSVOA_R

ClientSampleId :

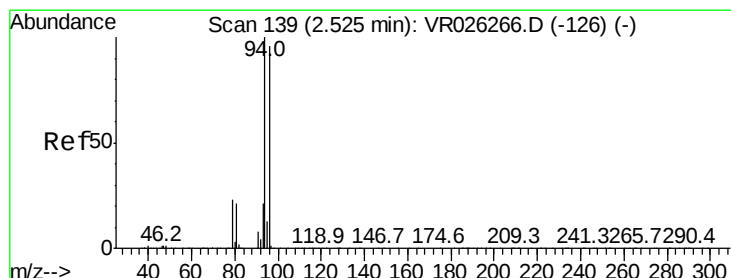
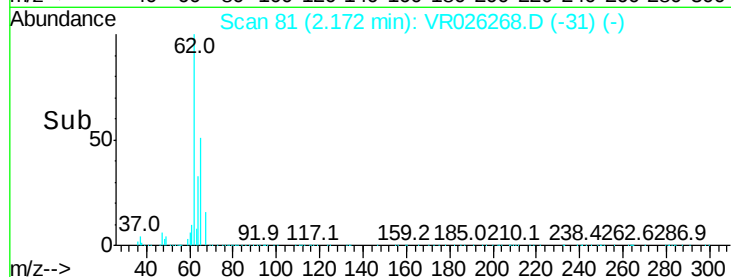
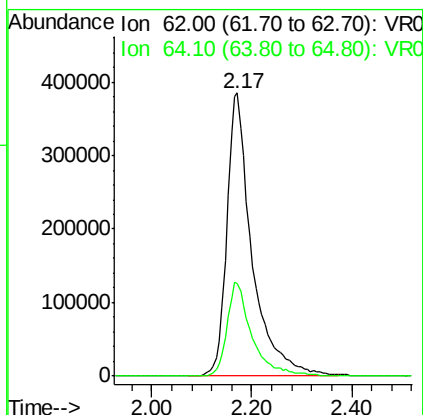
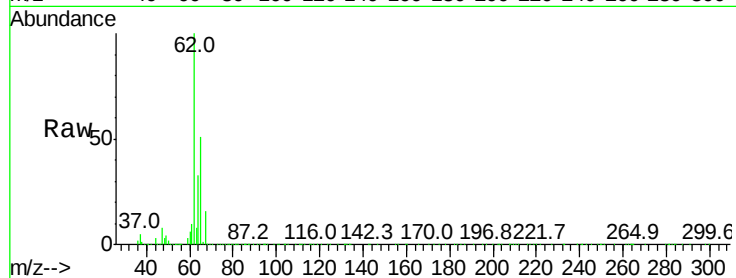
VSTD02085

Tgt Ion: 62 Resp: 1345509

Ion Ratio Lower Upper

62 100

64 32.8 22.7 42.1



#6

Bromomethane

Concen: 19.854 ug/L

RT: 2.52 min Scan# 139

Delta R.T. -0.00 min

Lab File: VR026268.D

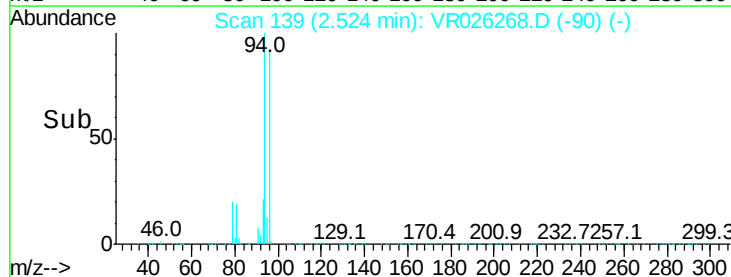
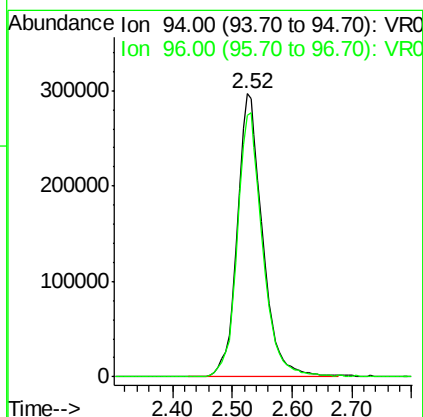
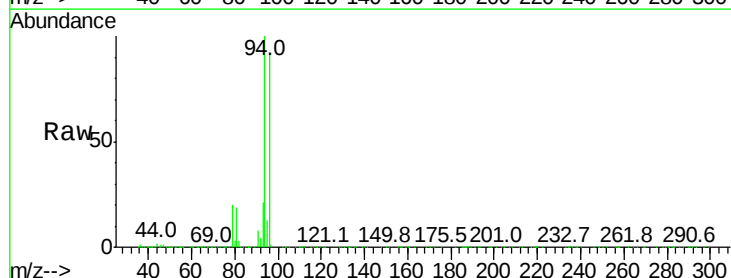
Acq: 17 Dec 2018 16:43

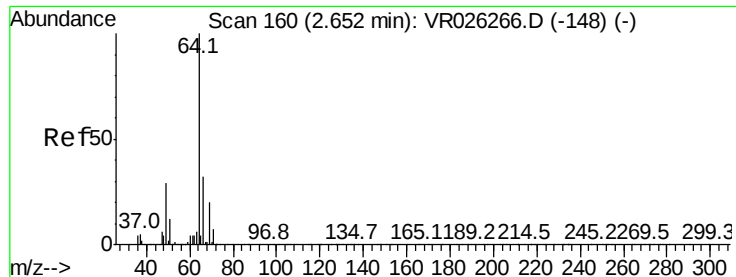
Tgt Ion: 94 Resp: 871251

Ion Ratio Lower Upper

94 100

96 92.3 67.1 124.5





#8

Chloroethane

Concen: 20.240 ug/L

RT: 2.66 min Scan# 161

Delta R.T. 0.01 min

Lab File: VR026268.D

Acq: 17 Dec 2018 16:43

Instrument :

MSVOA_R

ClientSampleId :

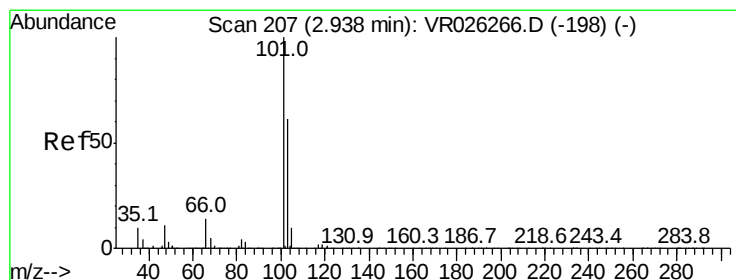
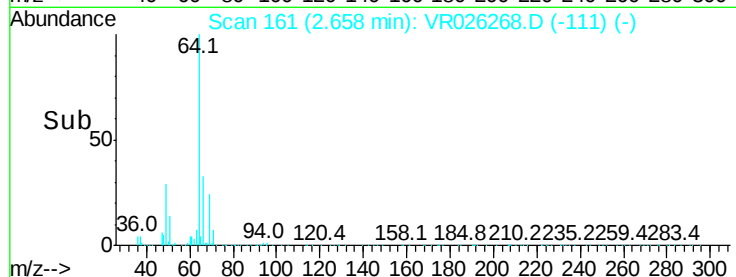
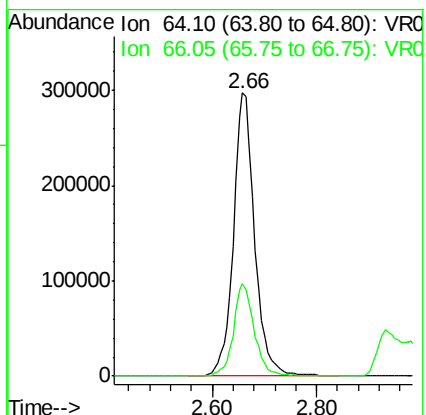
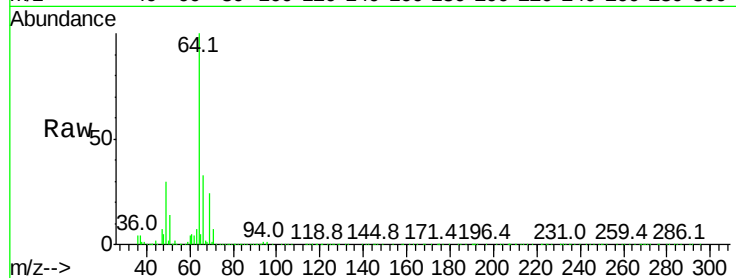
VSTD02085

Tgt Ion: 64 Resp: 831465

Ion Ratio Lower Upper

64 100

66 32.6 22.2 41.2



#9

Trichlorofluoromethane

Concen: 20.249 ug/L

RT: 2.93 min Scan# 206

Delta R.T. -0.01 min

Lab File: VR026268.D

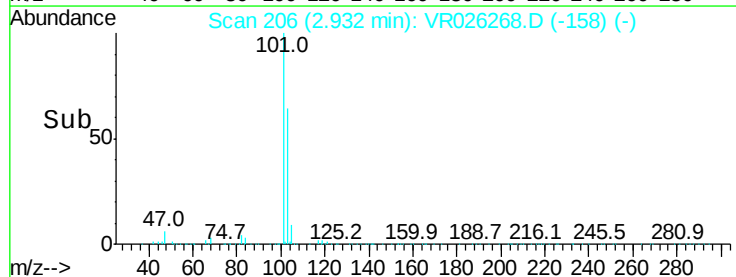
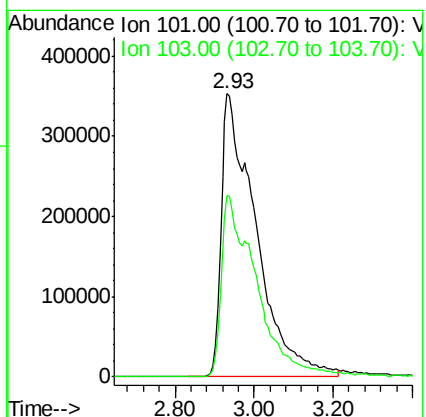
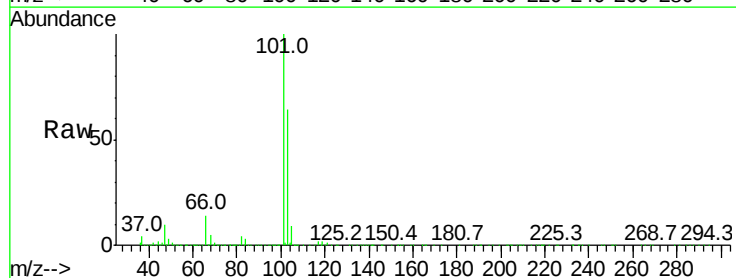
Acq: 17 Dec 2018 16:43

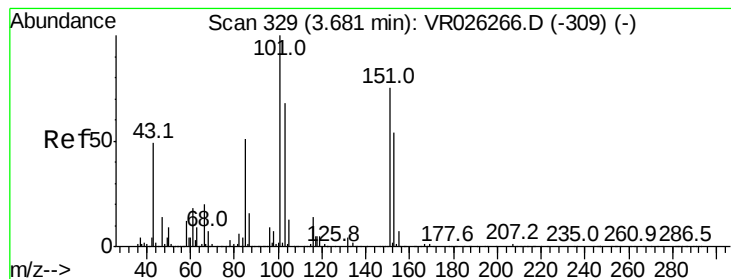
Tgt Ion: 101 Resp: 2144026

Ion Ratio Lower Upper

101 100

103 32.5 52.4 78.6#





#10

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

Concen: 19.516 ug/L

RT: 3.69 min Scan# 330

Delta R.T. 0.01 min

Lab File: VR026268.D

Acq: 17 Dec 2018 16:43

Instrument :

MSVOA_R

ClientSampleId :

VSTD02085

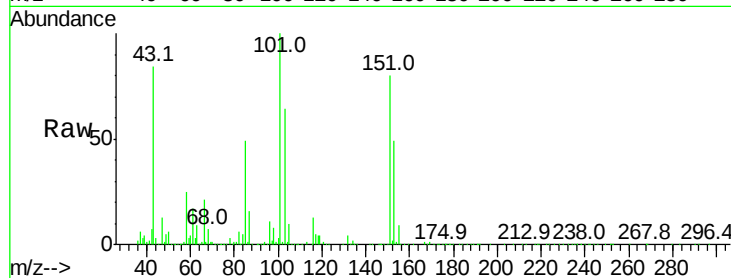
Tgt Ion:101 Resp: 1129429

Ion Ratio Lower Upper

101 100

85 47.7 38.2 57.2

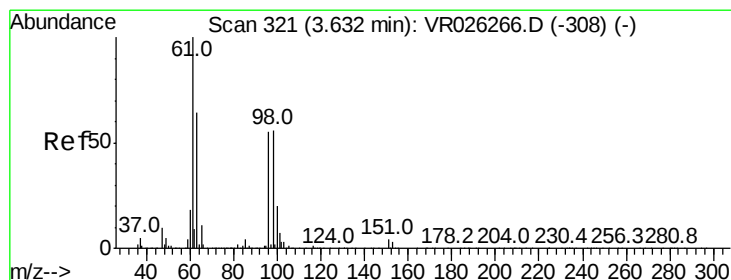
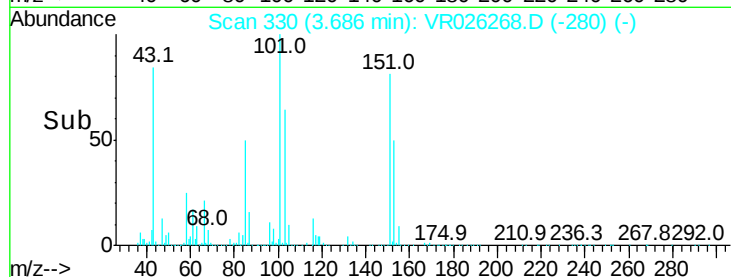
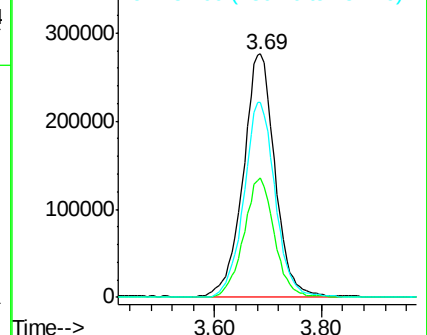
151 79.5 61.7 92.5



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: 19.885 ug/L

RT: 3.63 min Scan# 320

Delta R.T. -0.01 min

Lab File: VR026268.D

Acq: 17 Dec 2018 16:43

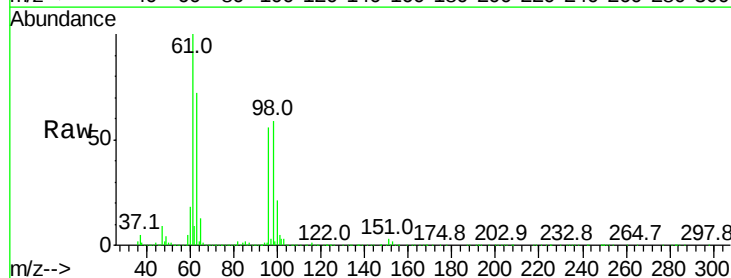
Tgt Ion: 96 Resp: 1243878

Ion Ratio Lower Upper

96 100

61 179.4 127.1 236.0

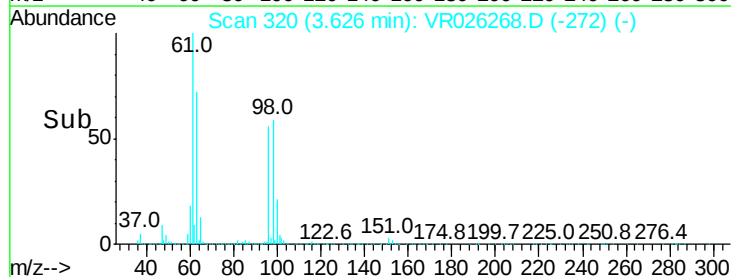
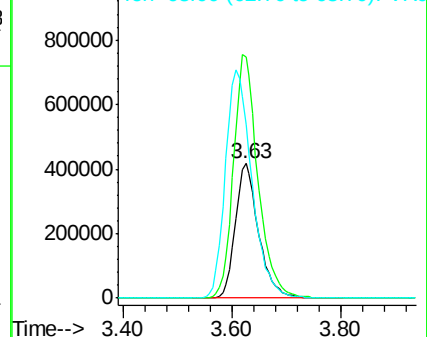
63 128.8 81.5 151.5

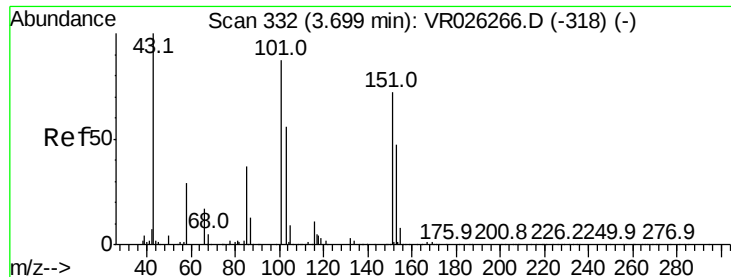


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0

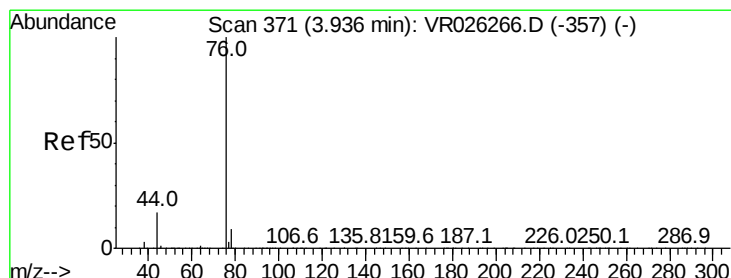
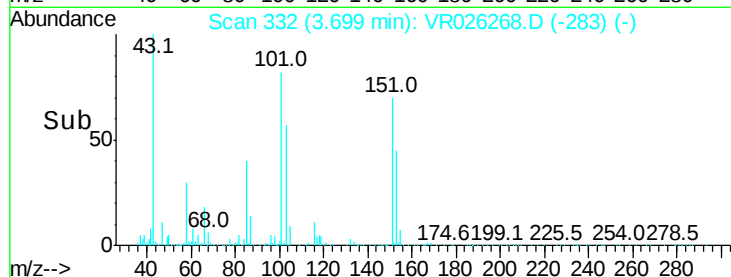
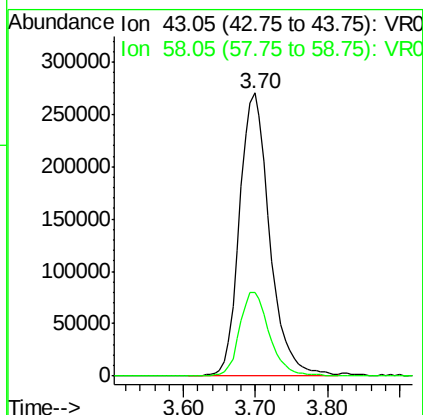
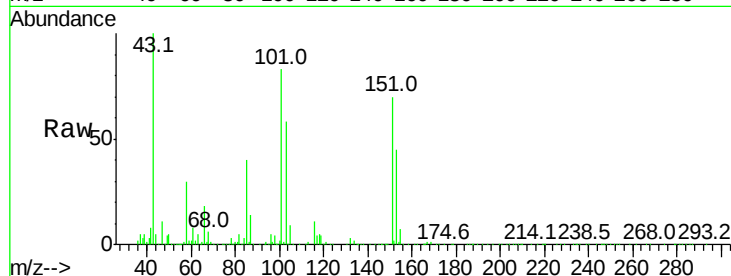




#13
Acetone
Concen: 180.818 ug/L
RT: 3.70 min Scan# 332
Delta R.T. -0.00 min
Lab File: VR026268.D
Acq: 17 Dec 2018 16:43

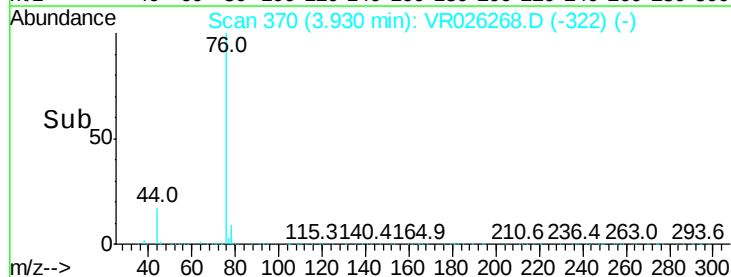
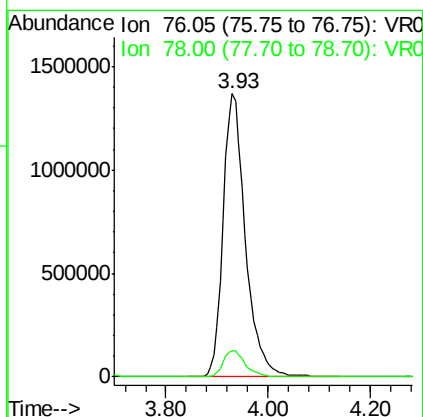
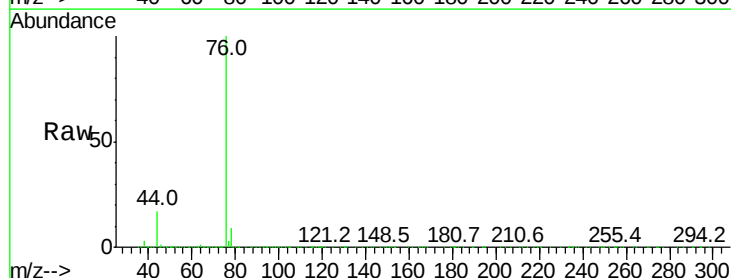
Instrument :
MSVOA_R
ClientSampleId :
VSTD02085

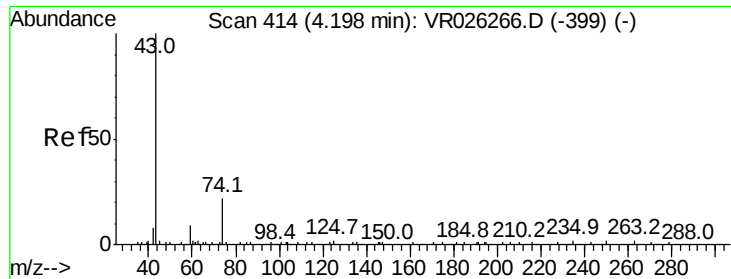
Tgt Ion: 43 Resp: 782330
Ion Ratio Lower Upper
43 100
58 29.6 0.0 60.8



#14
Carbon disulfide
Concen: 26.283 ug/L
RT: 3.93 min Scan# 370
Delta R.T. -0.01 min
Lab File: VR026268.D
Acq: 17 Dec 2018 16:43

Tgt Ion: 76 Resp: 4147938
Ion Ratio Lower Upper
76 100
78 9.3 7.6 11.4





#15

Methyl Acetate

Concen: 18.460 ug/L

RT: 4.19 min Scan# 413

Delta R.T. -0.01 min

Lab File: VR026268.D

Acq: 17 Dec 2018 16:43

Instrument :

MSVOA_R

ClientSampleId :

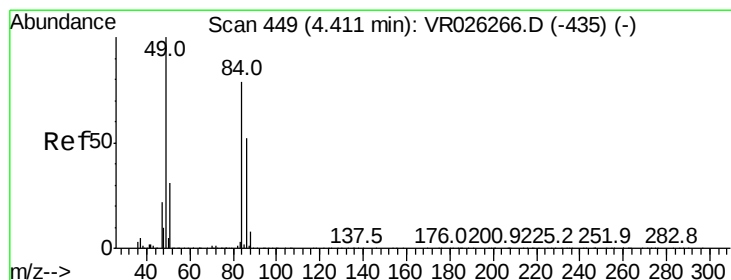
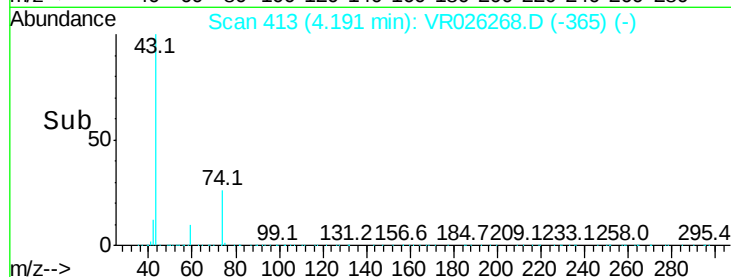
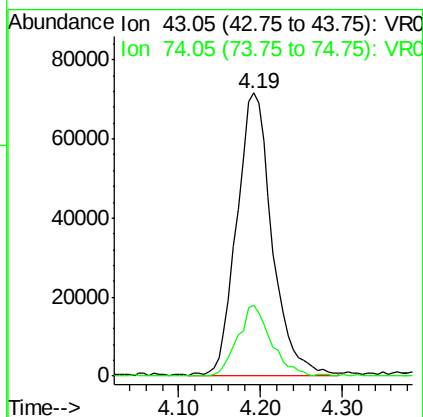
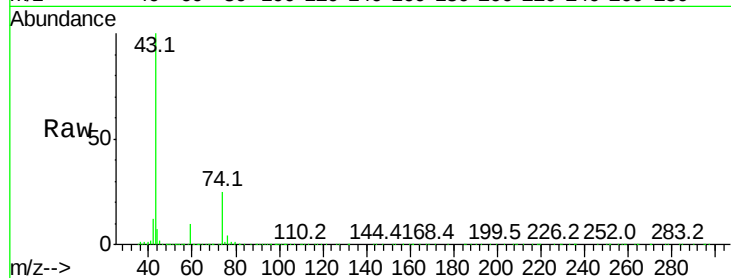
VSTD02085

Tgt Ion: 43 Resp: 216110

Ion Ratio Lower Upper

43 100

74 23.1 18.4 27.6



#16

Methylene chloride

Concen: 17.798 ug/L

RT: 4.40 min Scan# 448

Delta R.T. -0.01 min

Lab File: VR026268.D

Acq: 17 Dec 2018 16:43

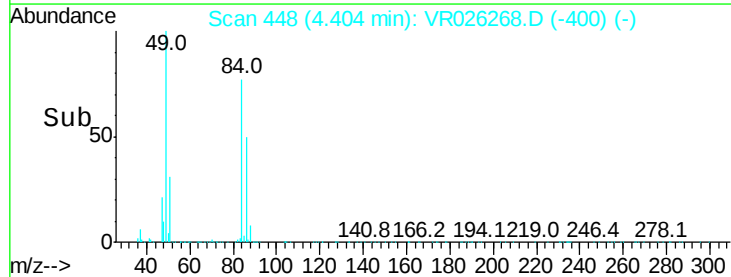
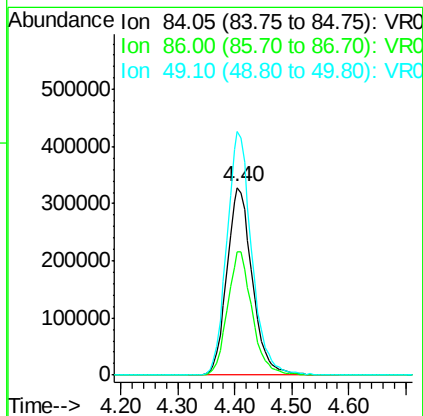
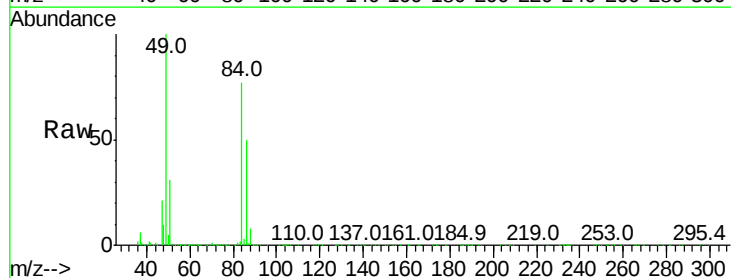
Tgt Ion: 84 Resp: 1015862

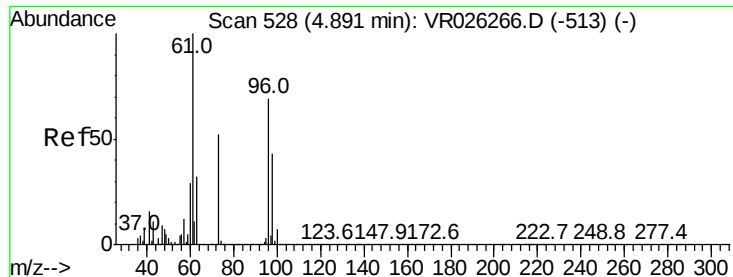
Ion Ratio Lower Upper

84 100

86 65.4 45.8 85.0

49 129.9 88.7 164.7



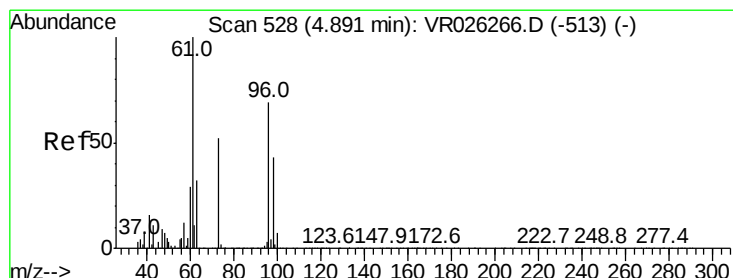
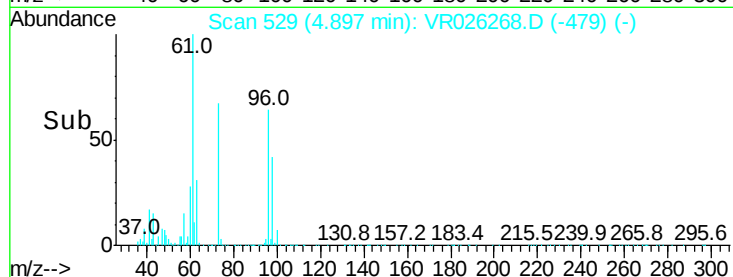
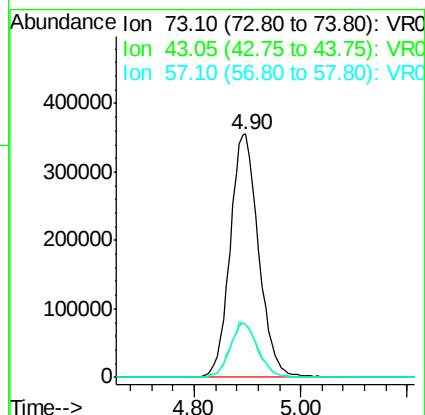
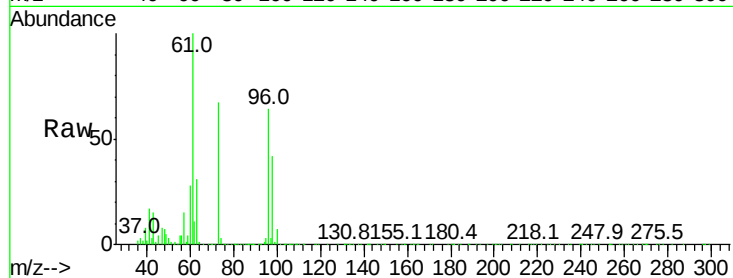


#17
Methyl tert-butyl Ether
Concen: 21.304 ug/L
RT: 4.90 min Scan# 529
Delta R.T. 0.01 min
Lab File: VR026268.D
Acq: 17 Dec 2018 16:43

Instrument :
MSVOA_R
ClientSampleId :
VSTD02085

Tgt Ion: 73 Resp: 1320682

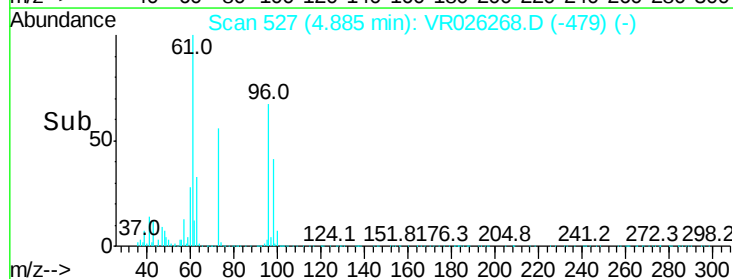
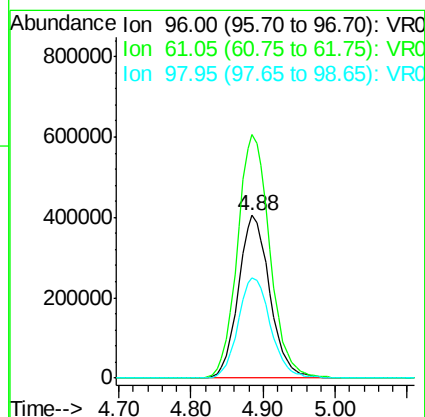
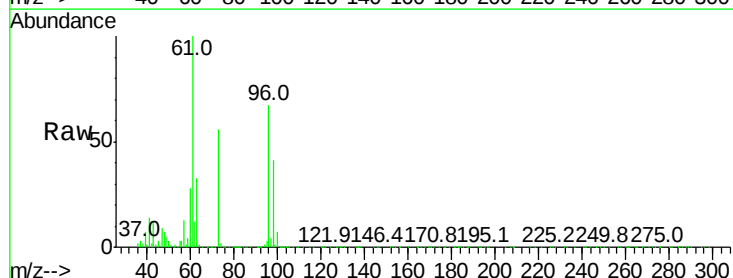
Ion	Ratio	Lower	Upper
73	100		
43	21.7	18.7	28.1
57	22.1	18.2	27.2

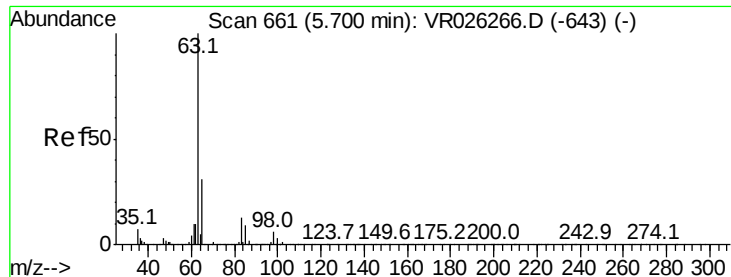


#18
trans-1,2-Dichloroethene
Concen: 23.163 ug/L
RT: 4.88 min Scan# 527
Delta R.T. -0.01 min
Lab File: VR026268.D
Acq: 17 Dec 2018 16:43

Tgt Ion: 96 Resp: 1226620

Ion	Ratio	Lower	Upper
96	100		
61	149.7	101.4	188.4
98	61.6	43.3	80.5





#19

1,1-Dichloroethane

Concen: 22.003 ug/L

RT: 5.69 min Scan# 660

Delta R.T. -0.01 min

Lab File: VR026268.D

Acq: 17 Dec 2018 16:43

Instrument :

MSVOA_R

ClientSampleId :

VSTD02085

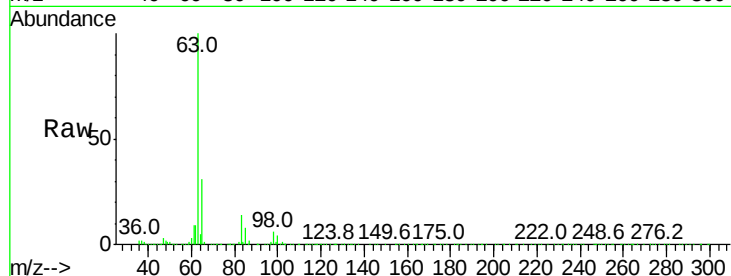
Tgt Ion: 63 Resp: 2122688

Ion Ratio Lower Upper

63 100

65 31.1 21.6 40.0

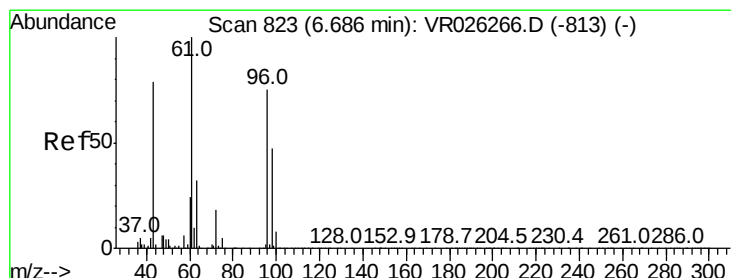
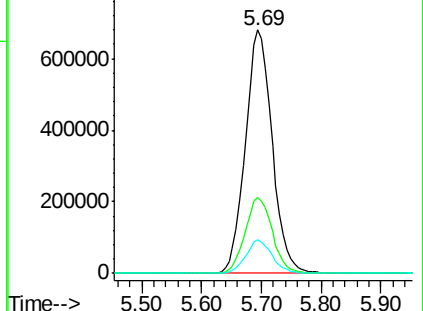
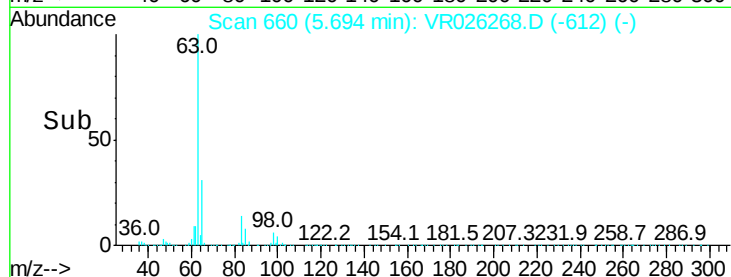
83 14.1 9.0 16.8



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 65.10 (64.80 to 65.80): VR0

Ion 83.05 (82.75 to 83.75): VR0



#21

2-Butanone

Concen: 209.297 ug/L

RT: 6.69 min Scan# 823

Delta R.T. -0.00 min

Lab File: VR026268.D

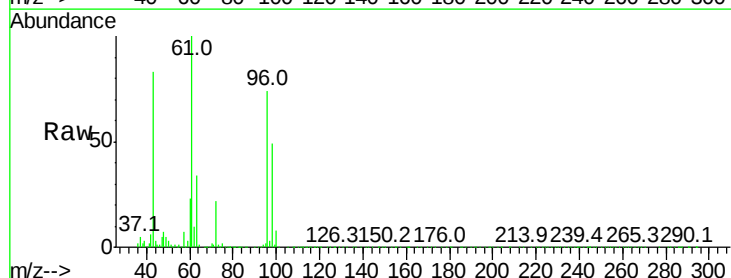
Acq: 17 Dec 2018 16:43

Tgt Ion: 43 Resp: 1155398

Ion Ratio Lower Upper

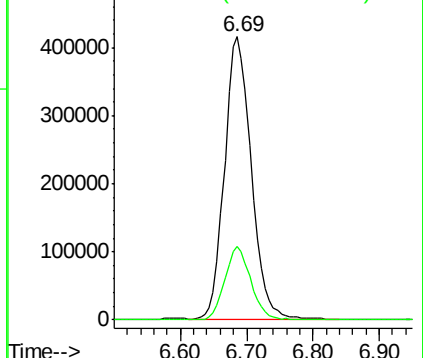
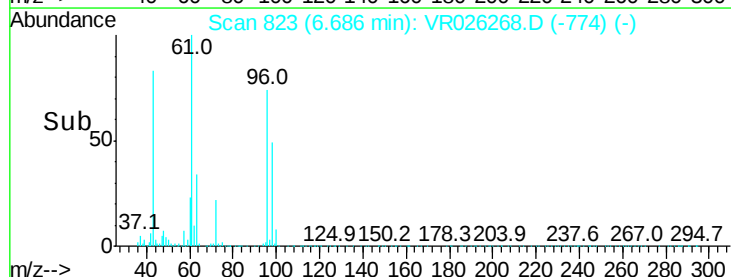
43 100

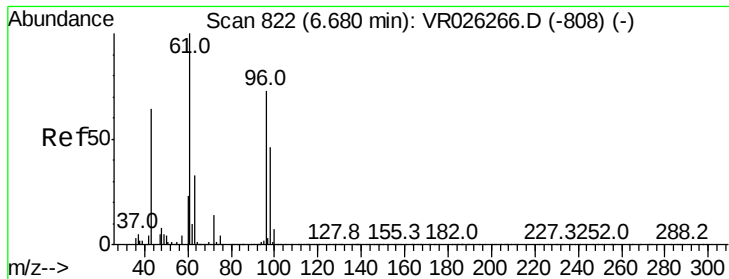
72 25.3 11.9 35.5



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 72.10 (71.80 to 72.80): VR0



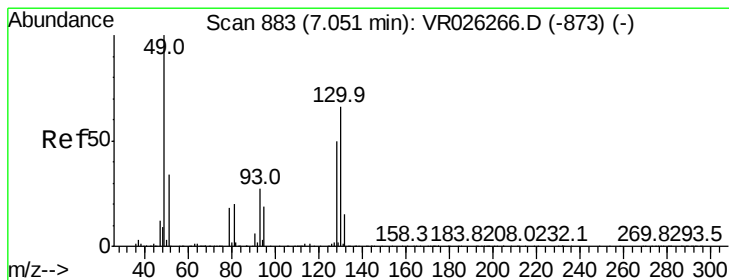
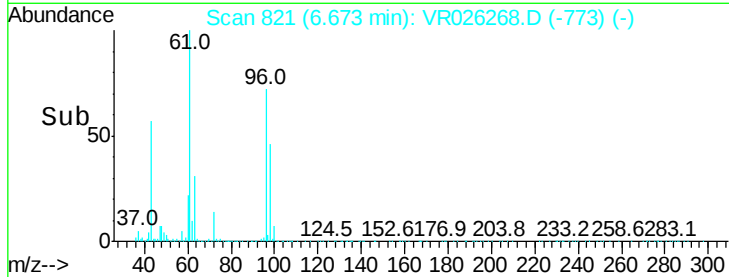
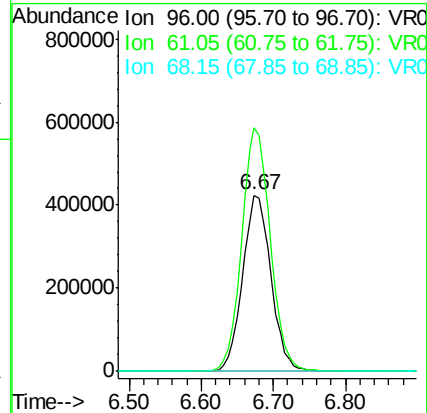
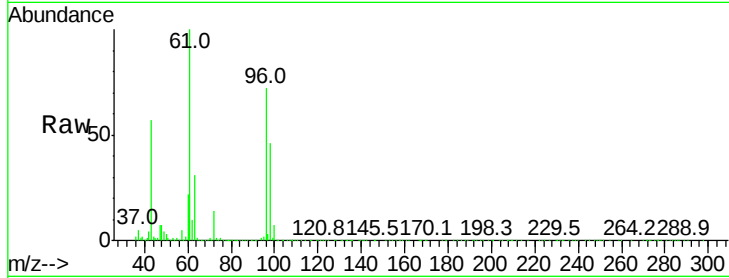


#22

cis-1,2-Dichloroethene
 Concen: 24.452 ug/L
 RT: 6.67 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: VR026268.D
 Acq: 17 Dec 2018 16:43

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02085

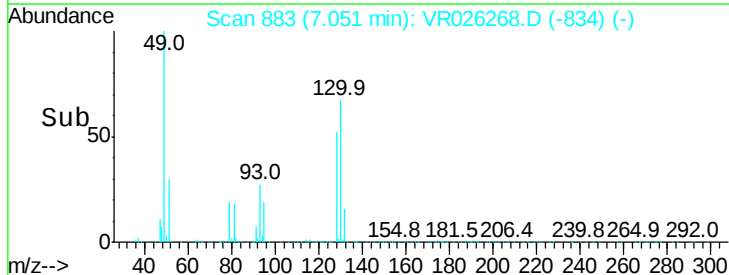
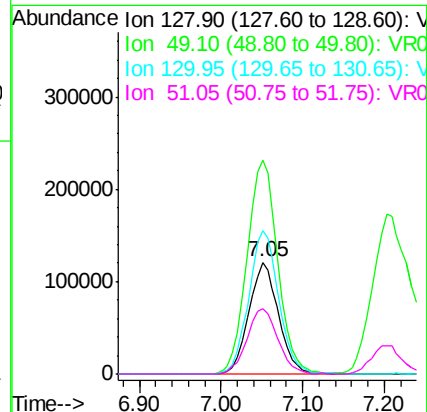
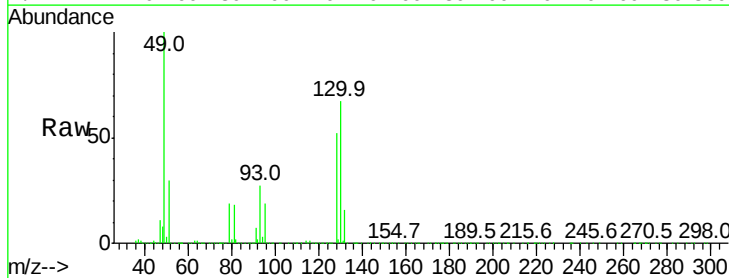
Tgt Ion: 96 Resp: 1156086
 Ion Ratio Lower Upper
 96 100
 61 138.3 96.3 178.9
 68 0.0 0.0 0.0

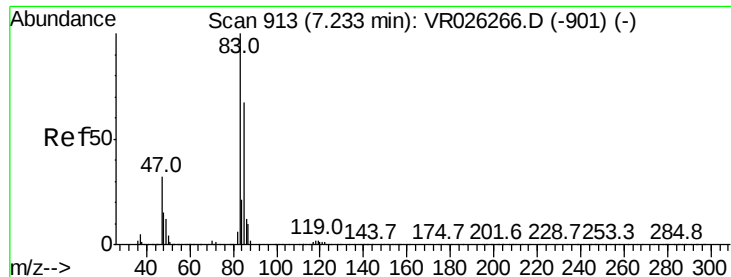


#23

Bromochloromethane
 Concen: 20.793 ug/L
 RT: 7.05 min Scan# 883
 Delta R.T. -0.00 min
 Lab File: VR026268.D
 Acq: 17 Dec 2018 16:43

Tgt Ion: 128 Resp: 305731
 Ion Ratio Lower Upper
 128 100
 49 190.7 140.9 261.7
 130 128.1 92.6 172.0
 51 58.1 55.1 82.7





#25

Chloroform

Concen: 19.096 ug/L

RT: 7.23 min Scan# 913

Delta R.T. -0.00 min

Lab File: VR026268.D

Acq: 17 Dec 2018 16:43

Instrument :

MSVOA_R

ClientSampleId :

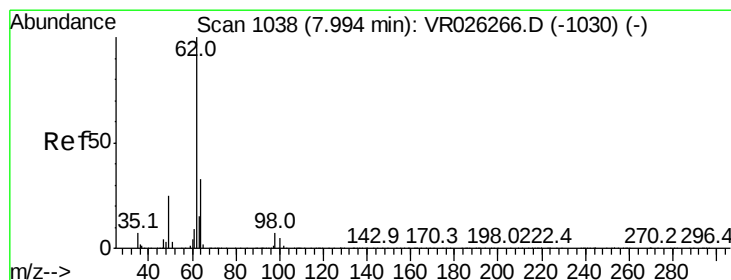
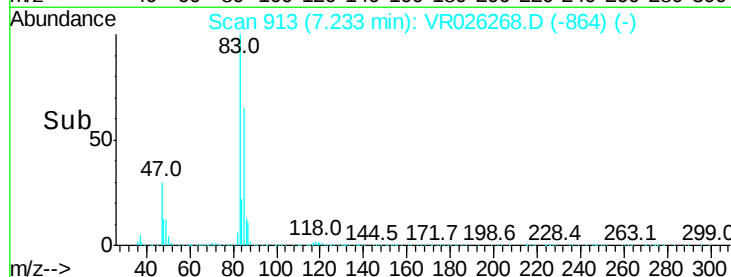
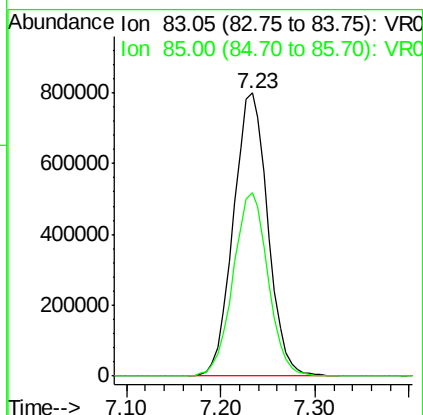
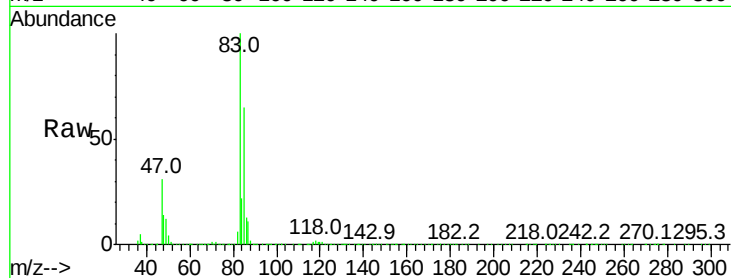
VSTD02085

Tgt Ion: 83 Resp: 2033663

Ion Ratio Lower Upper

83 100

85 64.9 47.0 87.4



#27

1,2-Dichloroethane

Concen: 20.194 ug/L

RT: 7.99 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VR026268.D

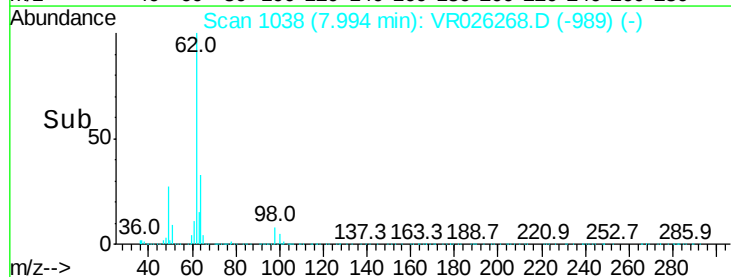
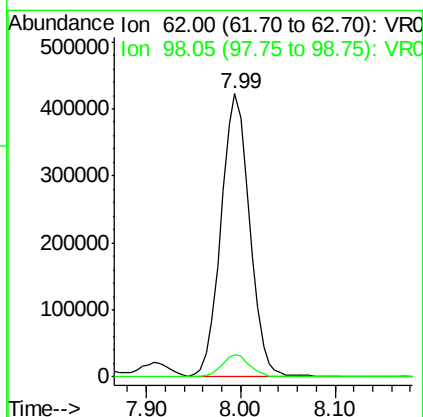
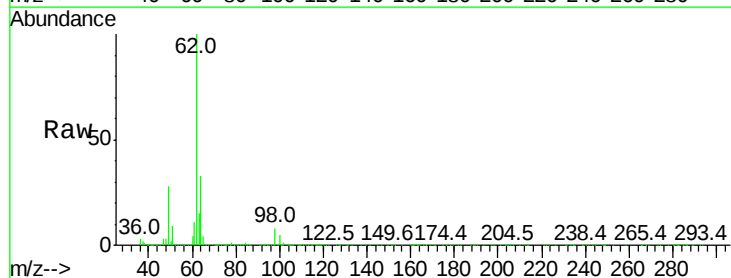
Acq: 17 Dec 2018 16:43

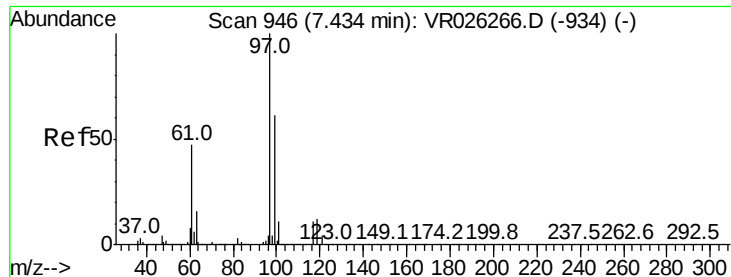
Tgt Ion: 62 Resp: 883619

Ion Ratio Lower Upper

62 100

98 7.8 5.7 8.5





#29

1,1,1-Trichloroethane

Concen: 23.819 ug/L

RT: 7.43 min Scan# 946

Delta R.T. -0.00 min

Lab File: VR026268.D

Acq: 17 Dec 2018 16:43

Instrument :

MSVOA_R

ClientSampleId :

VSTD02085

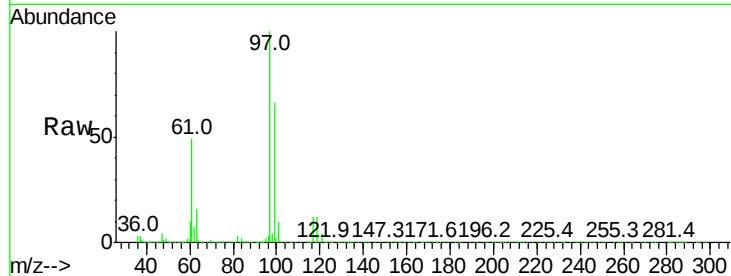
Tgt Ion: 97 Resp: 1940285

Ion Ratio Lower Upper

97 100

99 64.4 50.2 75.4

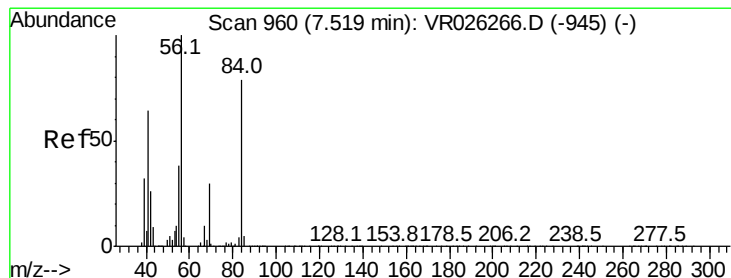
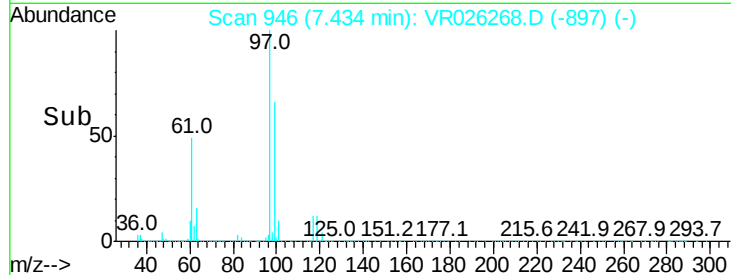
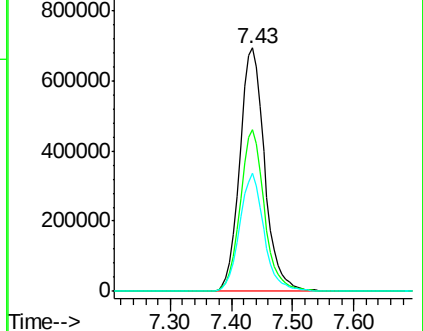
61 47.7 38.0 57.0



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: 27.969 ug/L

RT: 7.52 min Scan# 960

Delta R.T. -0.00 min

Lab File: VR026268.D

Acq: 17 Dec 2018 16:43

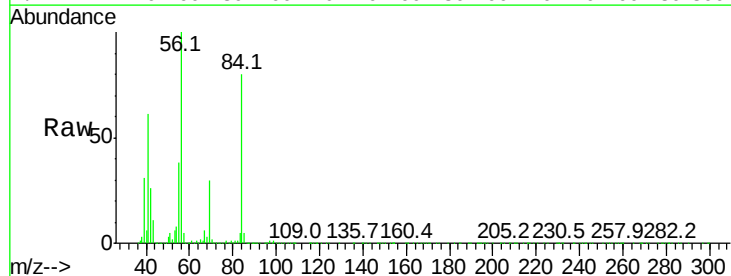
Tgt Ion: 56 Resp: 1956834

Ion Ratio Lower Upper

56 100

69 30.0 24.0 36.0

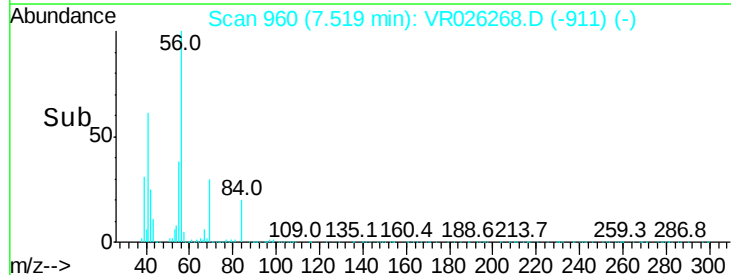
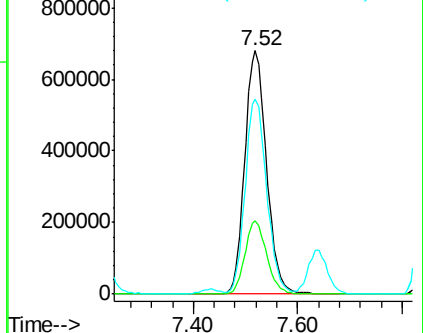
84 79.2 64.5 96.7

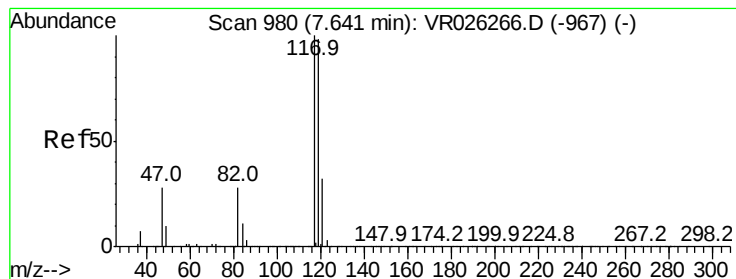


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 23.868 ug/L

RT: 7.64 min Scan# 980

Delta R.T. -0.00 min

Lab File: VR026268.D

Acq: 17 Dec 2018 16:43

Instrument :

MSVOA_R

ClientSampleId :

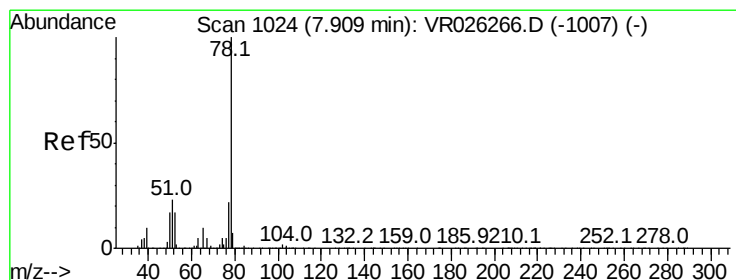
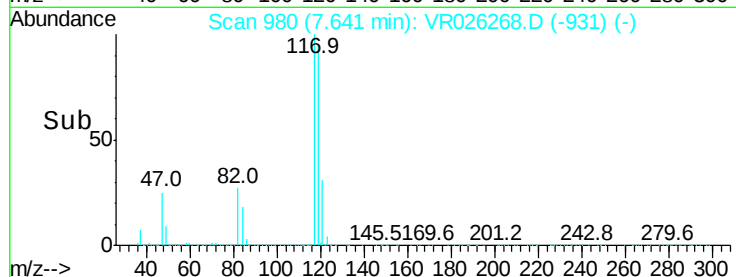
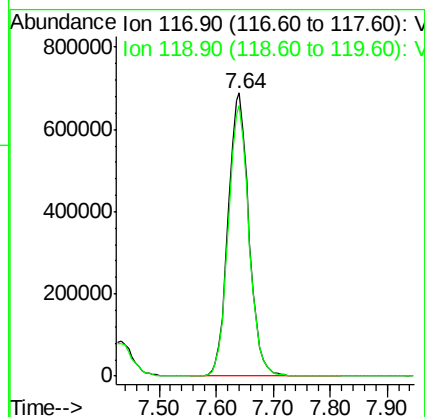
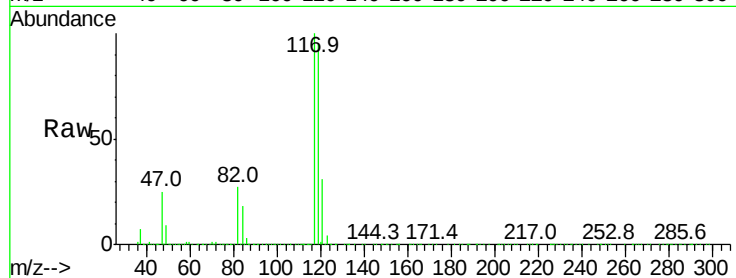
VSTD02085

Tgt Ion:117 Resp: 1742601

Ion Ratio Lower Upper

117 100

119 95.4 76.9 115.3



#33

Benzene

Concen: 23.259 ug/L

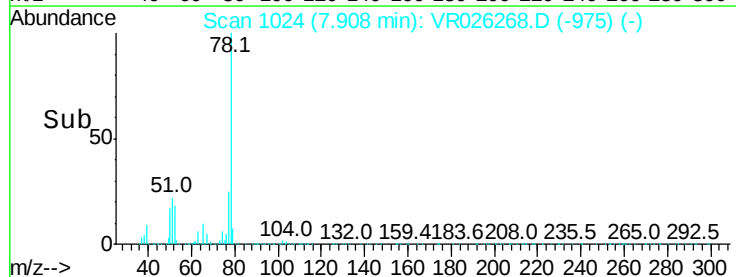
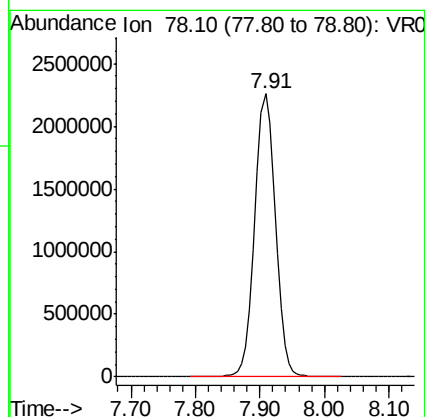
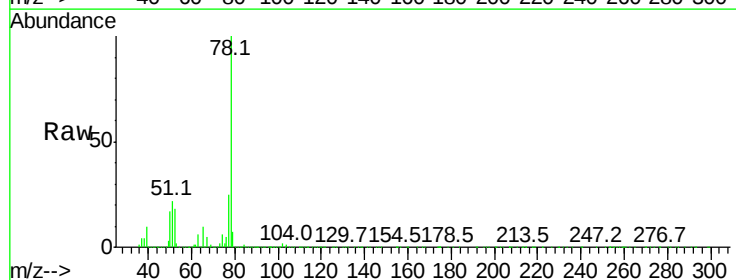
RT: 7.91 min Scan# 1024

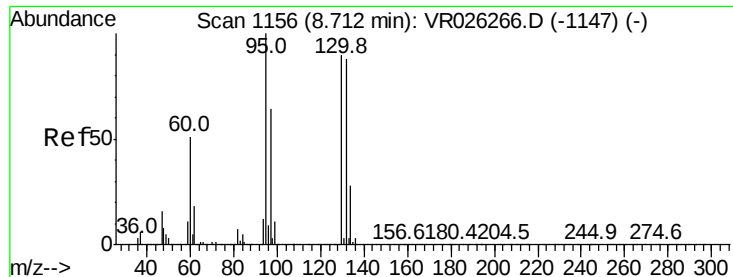
Delta R.T. -0.00 min

Lab File: VR026268.D

Acq: 17 Dec 2018 16:43

Tgt Ion: 78 Resp: 4958391





#34

Trichloroethene

Concen: 23.873 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VR026268.D

Acq: 17 Dec 2018 16:43

Instrument :

MSVOA_R

ClientSampleId :

VSTD02085

Tgt Ion: 95 Resp: 1322866

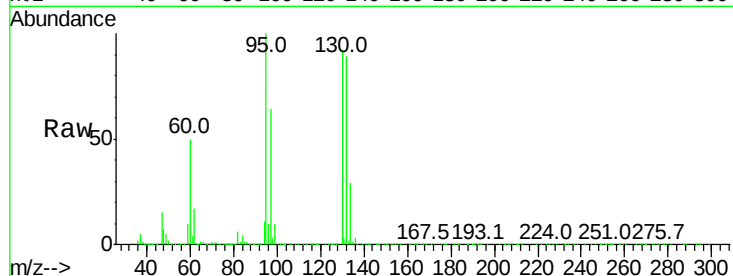
Ion Ratio Lower Upper

95 100

97 63.8 44.8 83.2

132 89.4 61.7 114.5

130 92.1 63.3 117.5

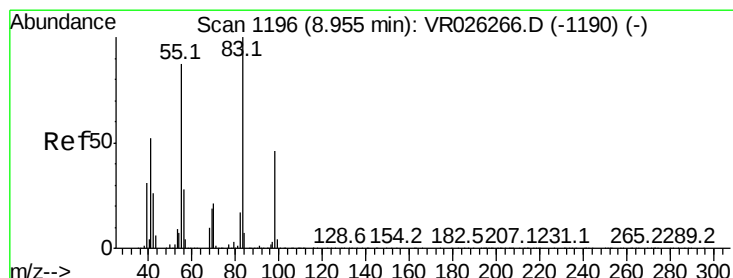
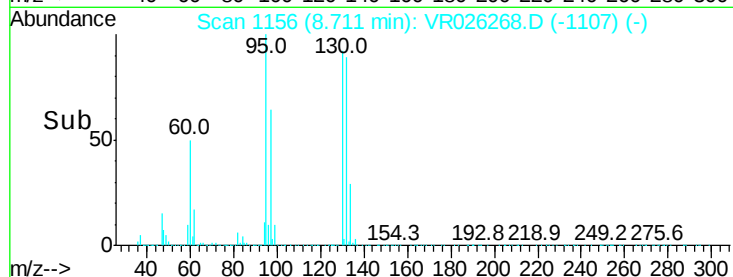
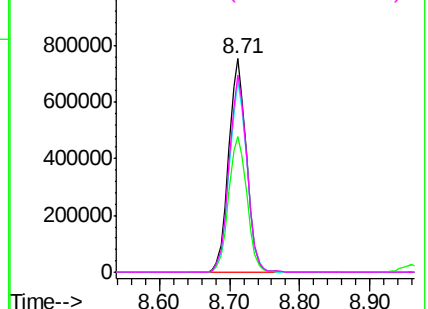


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 27.314 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. -0.00 min

Lab File: VR026268.D

Acq: 17 Dec 2018 16:43

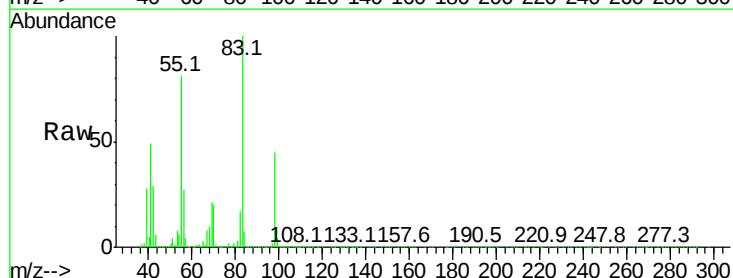
Tgt Ion: 83 Resp: 2043242

Ion Ratio Lower Upper

83 100

55 81.7 66.6 99.8

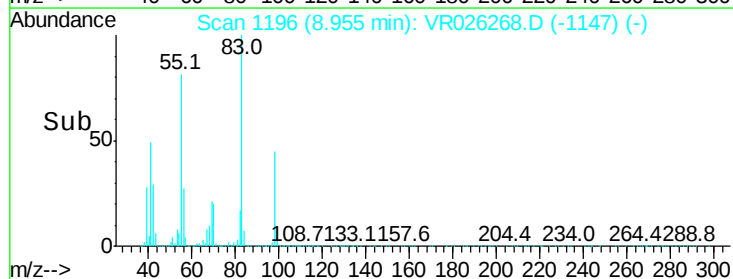
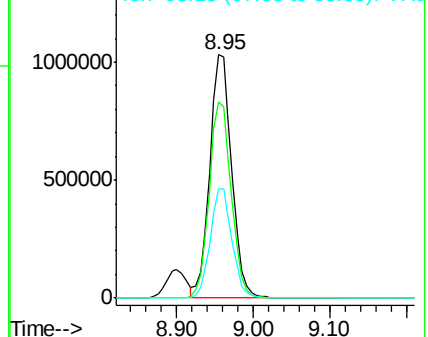
98 45.0 35.5 53.3

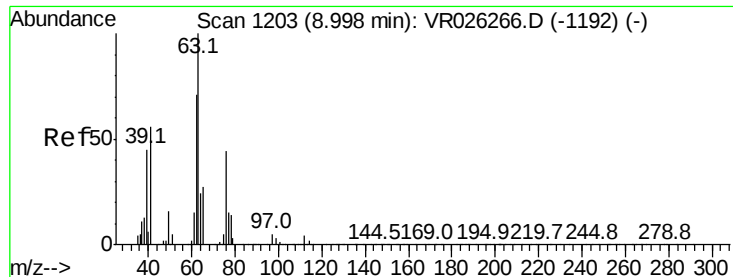


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

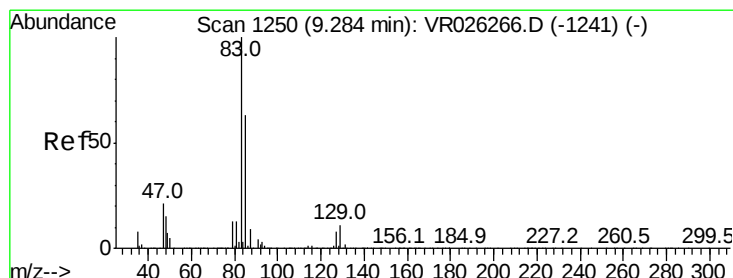
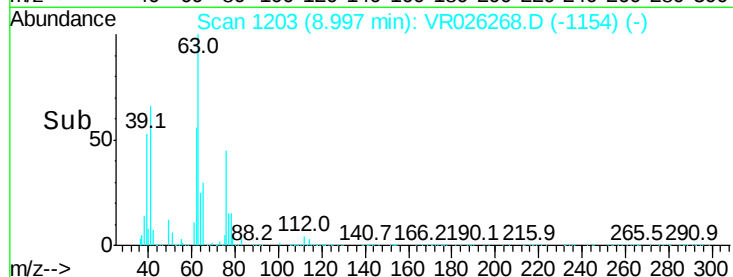
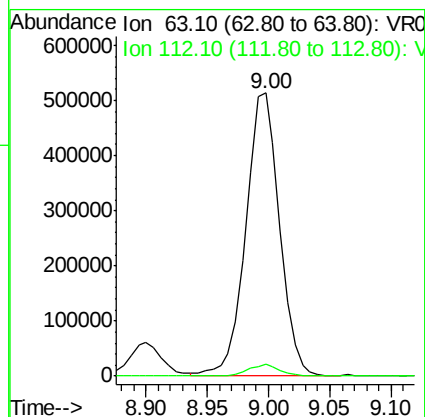
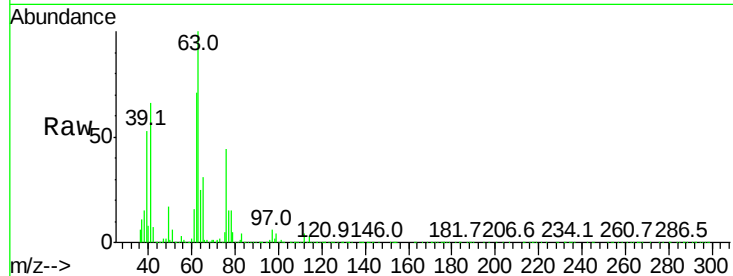




#37
 1,2-Dichloropropane
 Concen: 21.955 ug/L
 RT: 9.00 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: VR026268.D
 Acq: 17 Dec 2018 16:43

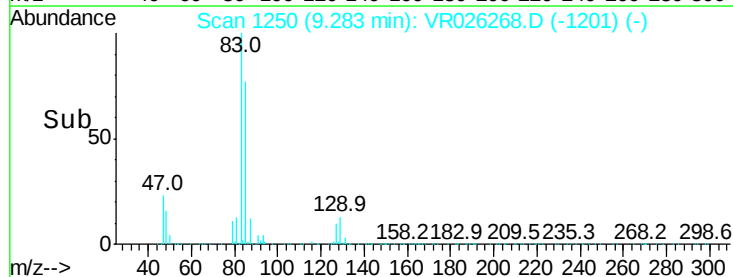
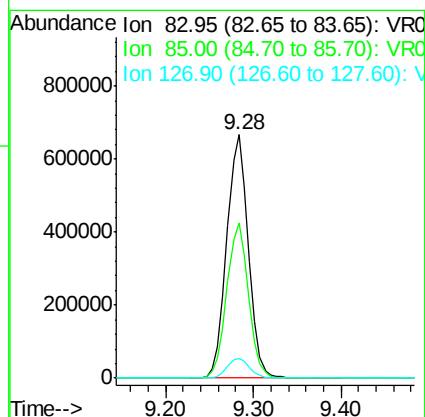
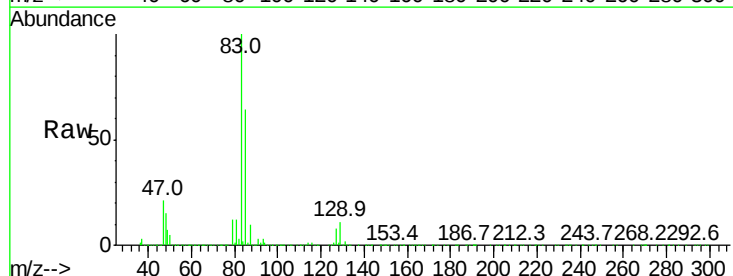
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02085

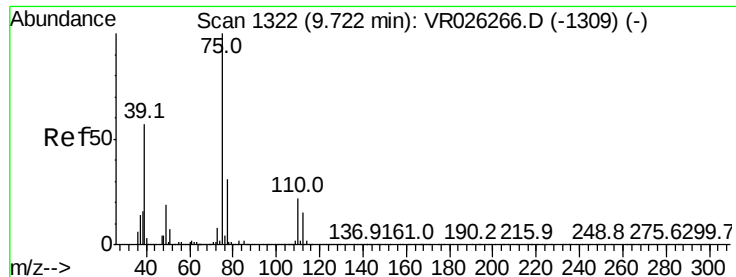
Tgt Ion: 63 Resp: 978214
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.0 4.6



#38
 Bromodichloromethane
 Concen: 21.683 ug/L
 RT: 9.28 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VR026268.D
 Acq: 17 Dec 2018 16:43

Tgt Ion: 83 Resp: 1141188
 Ion Ratio Lower Upper
 83 100
 85 63.7 44.0 81.6
 127 8.1 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 25.769 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. -0.00 min

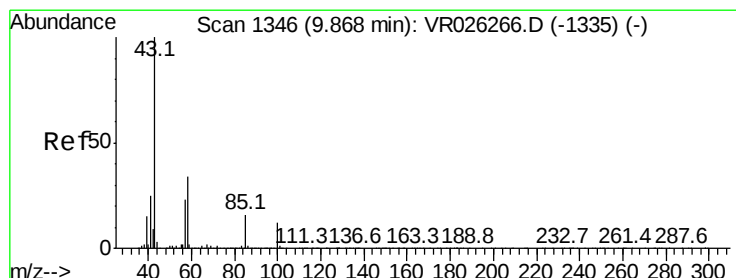
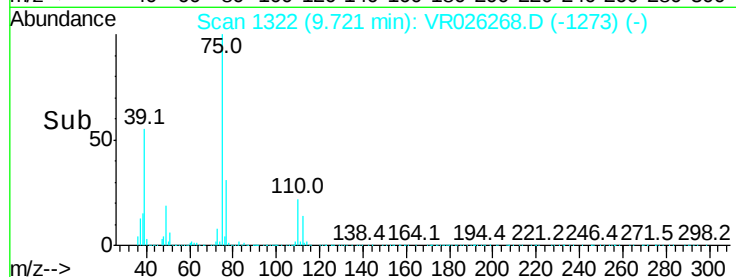
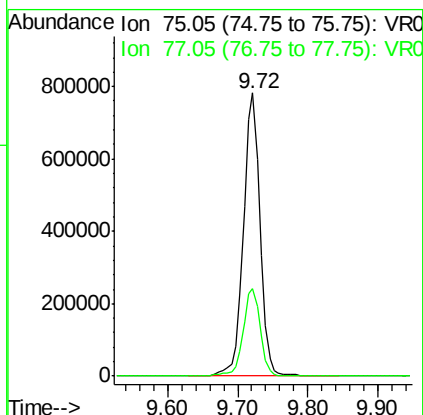
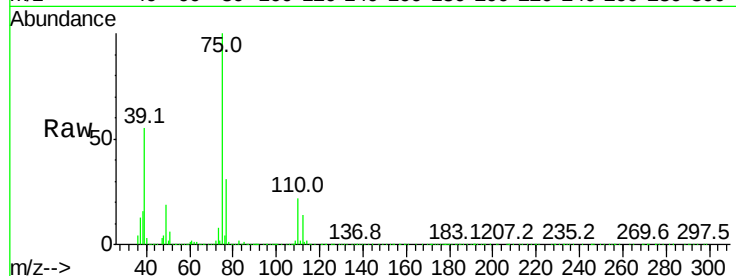
Lab File: VR026268.D

Acq: 17 Dec 2018 16:43

Instrument :
MSVOA_R
ClientSampleId :
VSTD02085

Tgt Ion: 75 Resp: 1290448

Ion	Ratio	Lower	Upper
75	100		
77	31.1	21.9	40.7



#40

4-Methyl-2-pentanone

Concen: 219.793 ug/L

RT: 9.87 min Scan# 1346

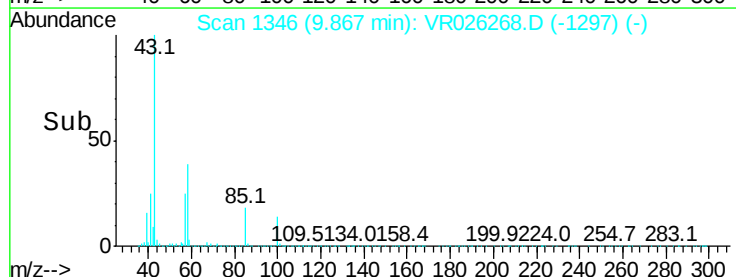
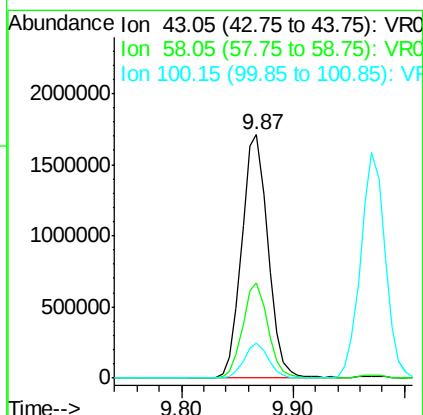
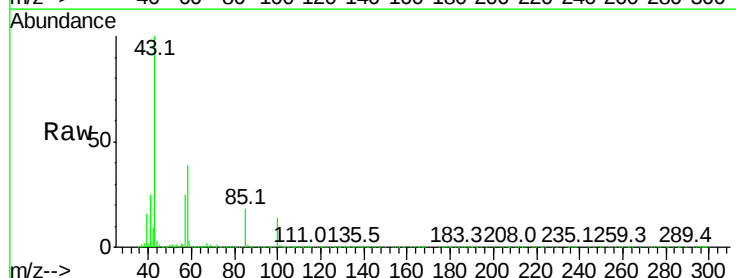
Delta R.T. -0.00 min

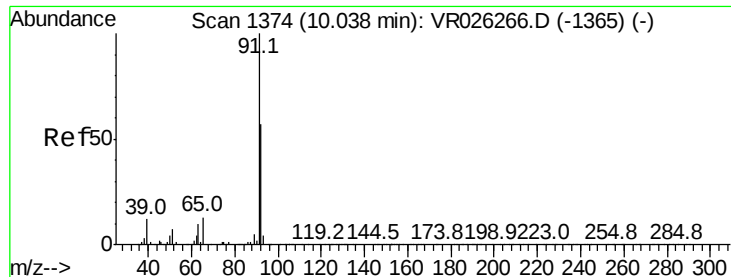
Lab File: VR026268.D

Acq: 17 Dec 2018 16:43

Tgt Ion: 43 Resp: 2802654

Ion	Ratio	Lower	Upper
43	100		
58	37.6	28.0	42.0
100	13.3	9.8	14.6





#42

Toluene

Concen: 22.636 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. -0.00 min

Lab File: VR026268.D

Acq: 17 Dec 2018 16:43

Instrument :

MSVOA_R

ClientSampleId :

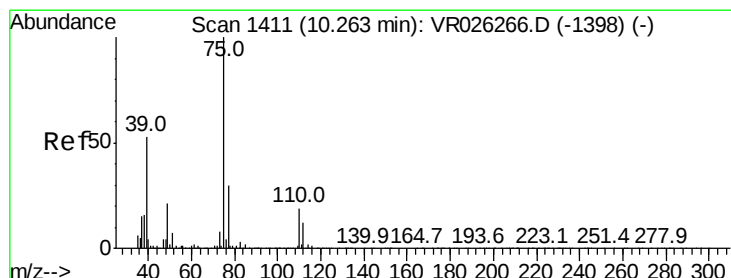
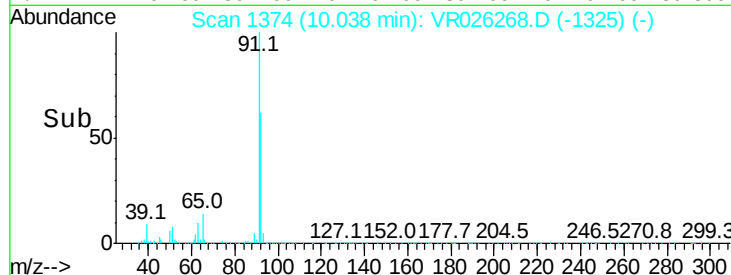
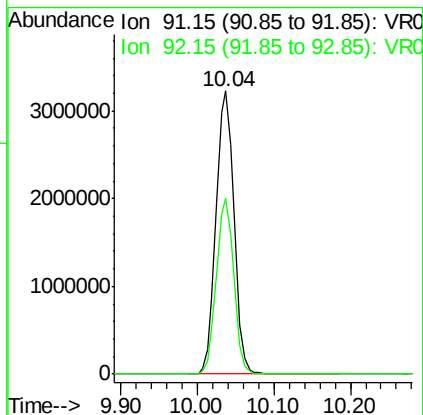
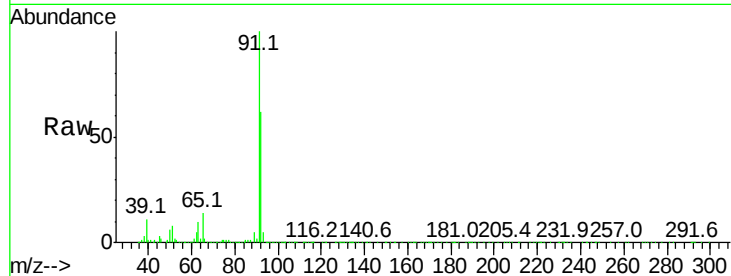
VSTD02085

Tgt Ion: 91 Resp: 5236361

Ion Ratio Lower Upper

91 100

92 62.3 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 26.983 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR026268.D

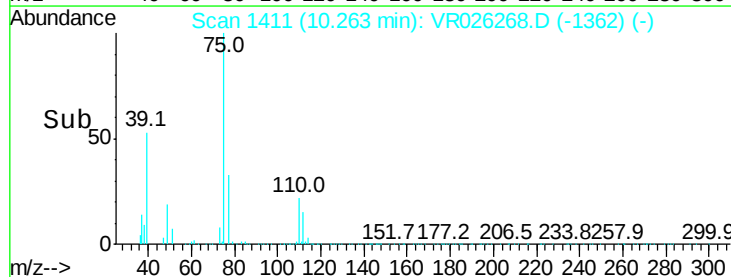
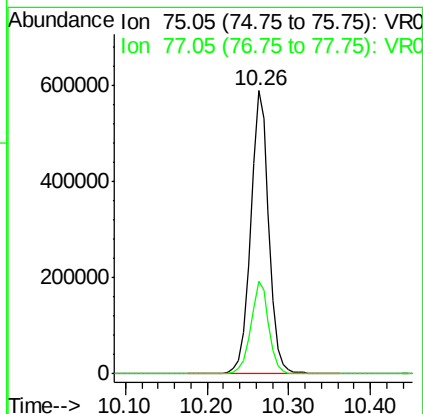
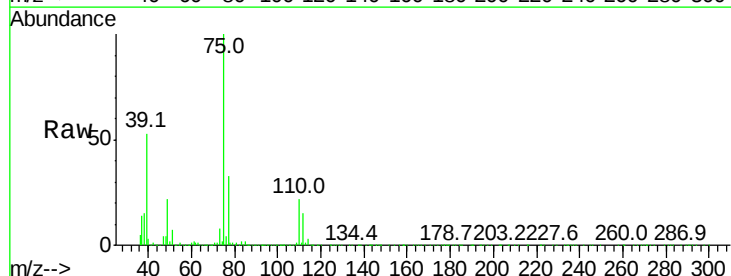
Acq: 17 Dec 2018 16:43

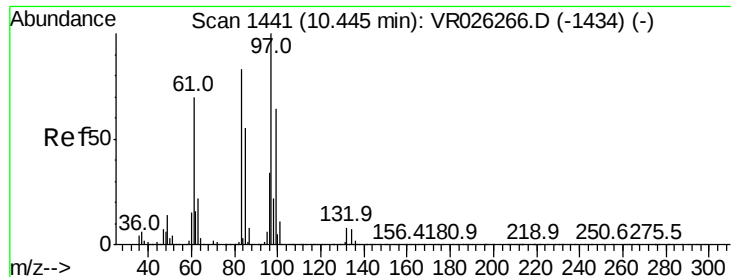
Tgt Ion: 75 Resp: 915221

Ion Ratio Lower Upper

75 100

77 32.9 21.2 39.4





#45

1,1,2-Trichloroethane

Concen: 20.649 ug/L

RT: 10.45 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VR026268.D

Acq: 17 Dec 2018 16:43

Instrument :

MSVOA_R

ClientSampleId :

VSTD02085

Tgt Ion: 97 Resp: 409075

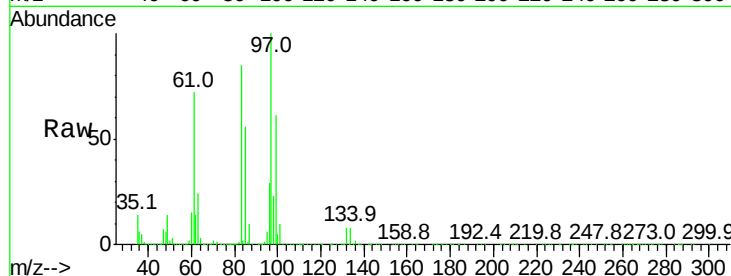
Ion Ratio Lower Upper

97 100

99 61.3 45.0 83.6

83 84.8 57.9 107.5

85 56.0 38.9 72.2

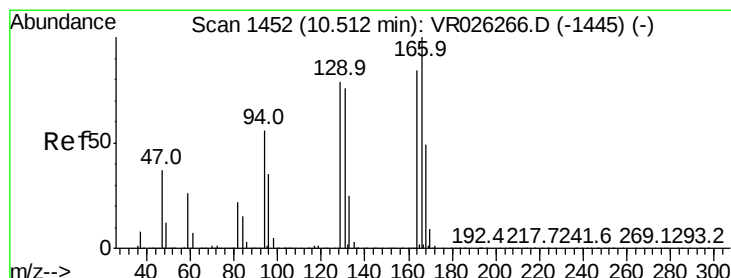
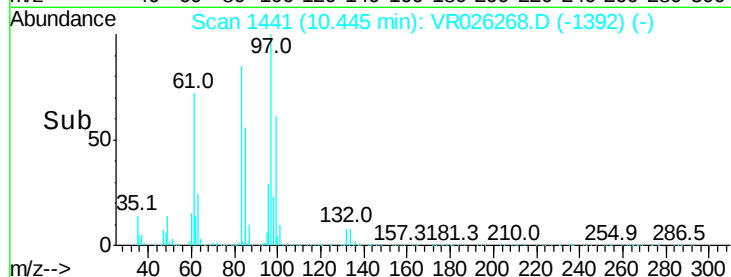
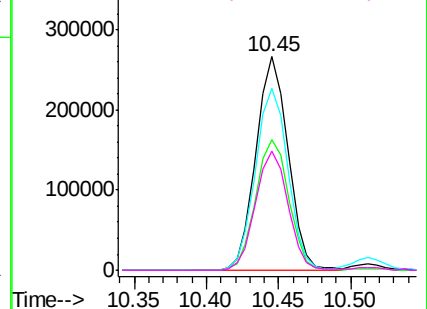


Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0



#47

Tetrachloroethene

Concen: 25.508 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VR026268.D

Acq: 17 Dec 2018 16:43

Tgt Ion: 164 Resp: 1018850

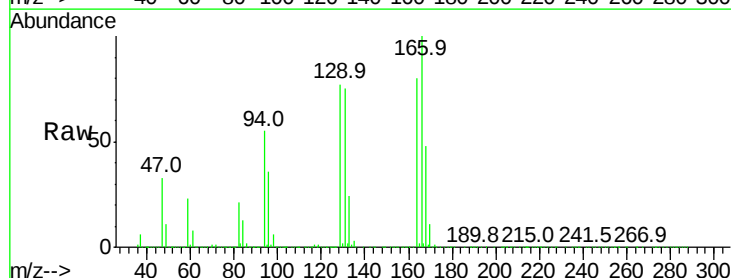
Ion Ratio Lower Upper

164 100

129 96.2 65.7 122.1

131 93.7 63.7 118.3

166 124.3 83.4 155.0

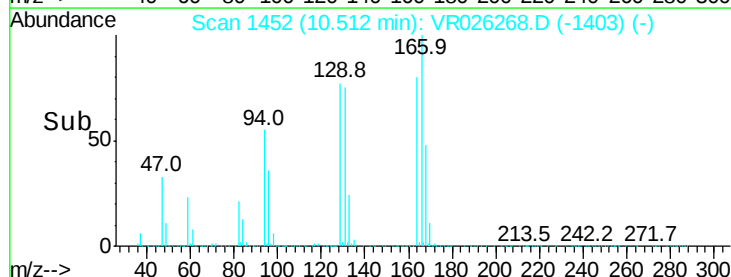
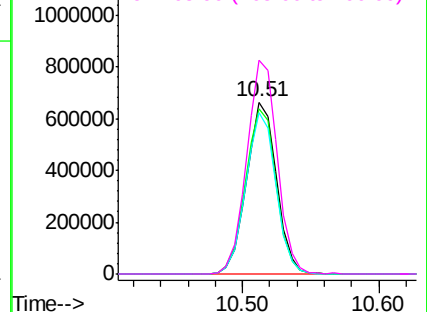


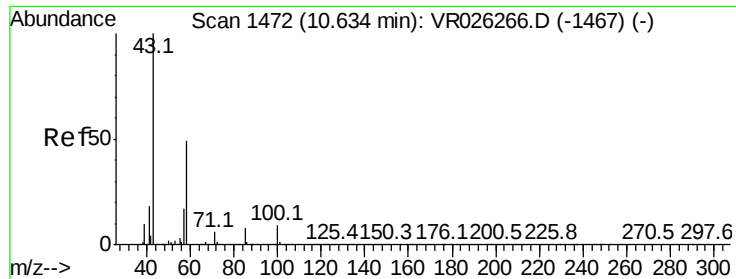
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



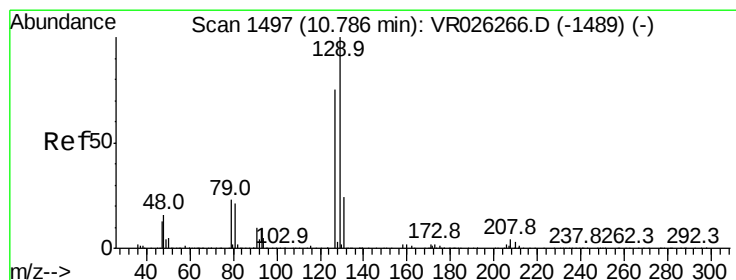
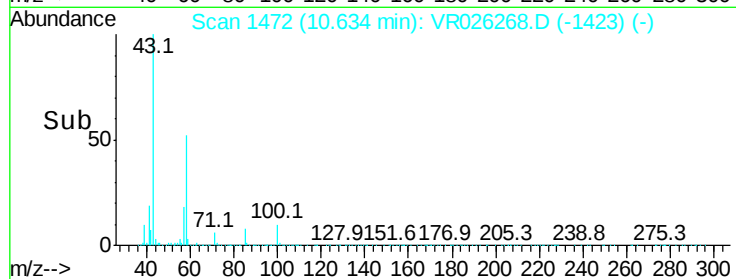
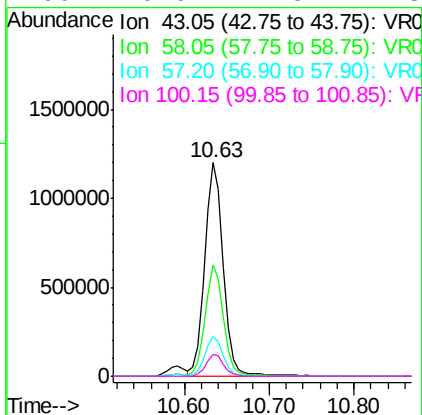
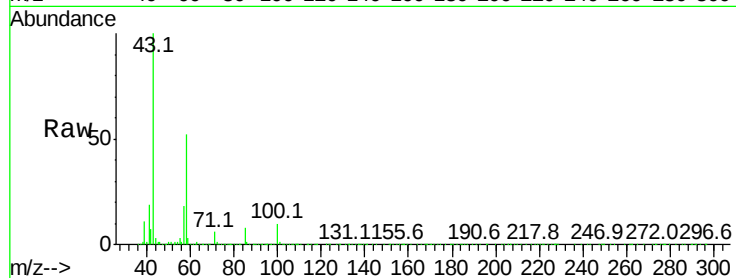


#48
2-Hexanone
Concen: 214.099 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR026268.D
Acq: 17 Dec 2018 16:43

Instrument :
MSVOA_R
ClientSampleId :
VSTD02085

Tgt Ion: 43 Resp: 1827178

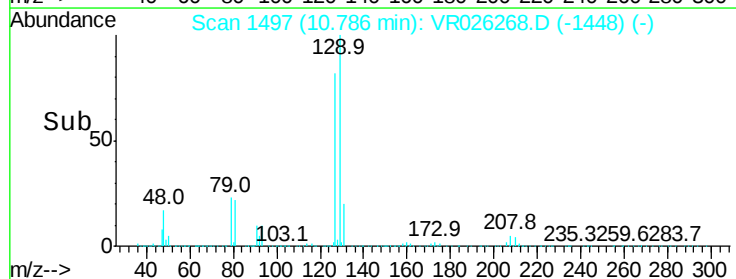
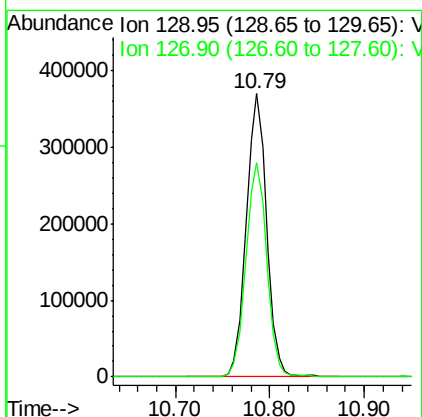
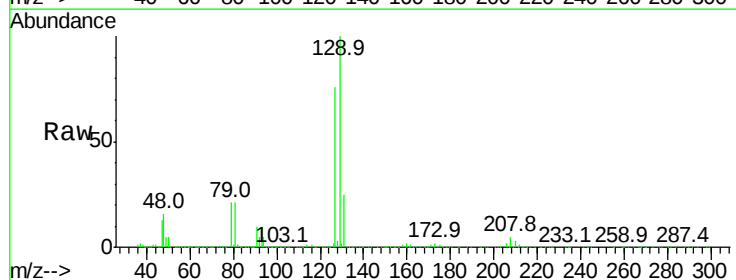
Ion	Ratio	Lower	Upper
43	100		
58	52.2	40.5	60.7
57	18.2	14.2	21.4
100	9.9	7.5	11.3

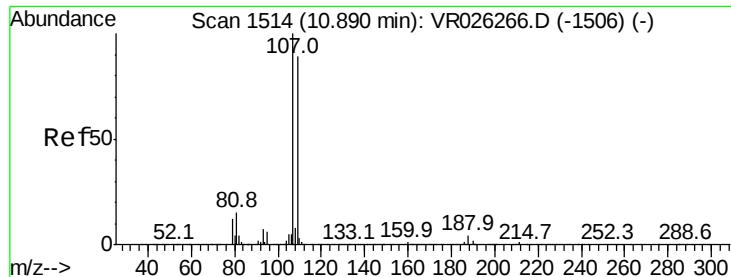


#49
Dibromochloromethane
Concen: 23.539 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VR026268.D
Acq: 17 Dec 2018 16:43

Tgt Ion: 129 Resp: 560813

Ion	Ratio	Lower	Upper
129	100		
127	75.8	52.6	97.6





#50

1,2-Dibromoethane

Concen: 21.644 ug/L

RT: 10.89 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VR026268.D

Acq: 17 Dec 2018 16:43

Instrument :

MSVOA_R

ClientSampleId :

VSTD02085

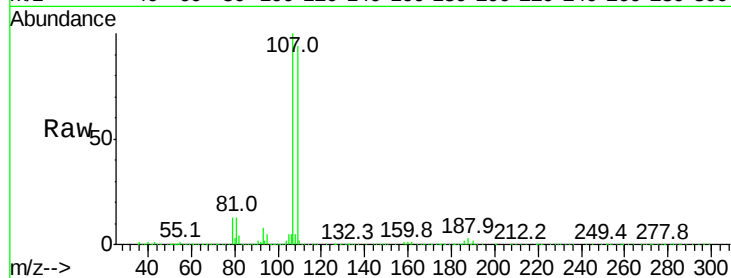
Tgt Ion:107 Resp: 359794

Ion Ratio Lower Upper

107 100

109 93.8 62.3 115.7

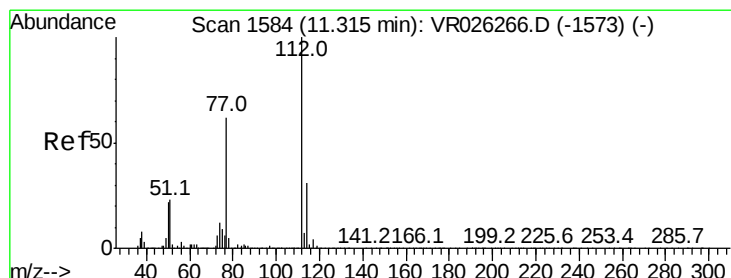
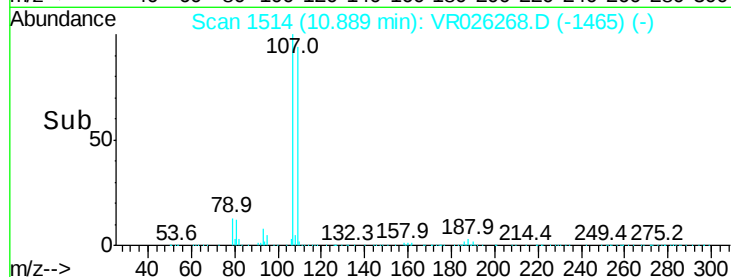
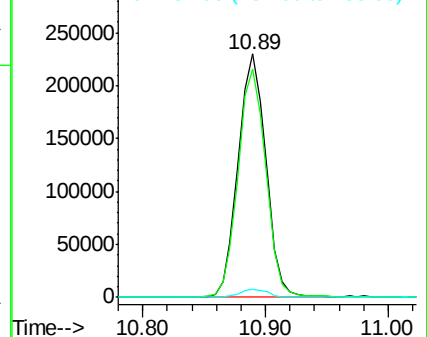
188 3.1 3.0 4.6



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 21.769 ug/L

RT: 11.32 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VR026268.D

Acq: 17 Dec 2018 16:43

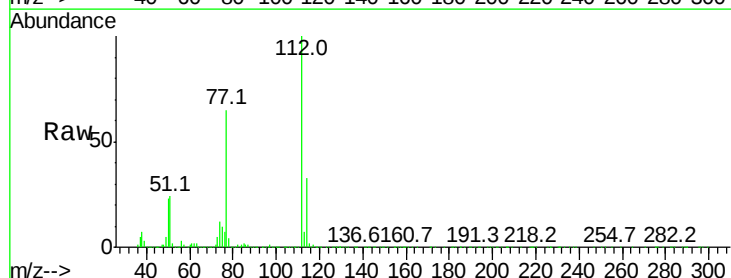
Tgt Ion:112 Resp: 2798383

Ion Ratio Lower Upper

112 100

114 33.3 21.7 40.3

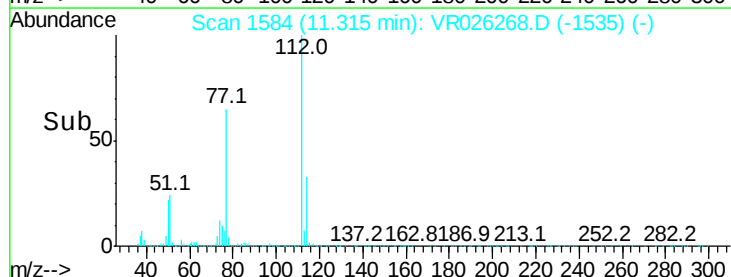
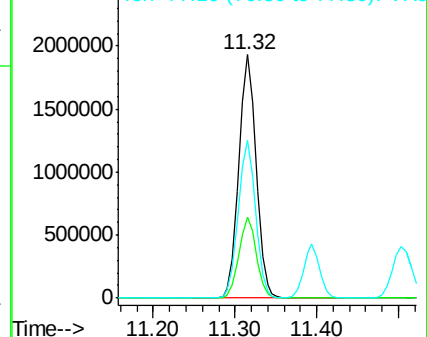
77 64.9 49.4 74.2

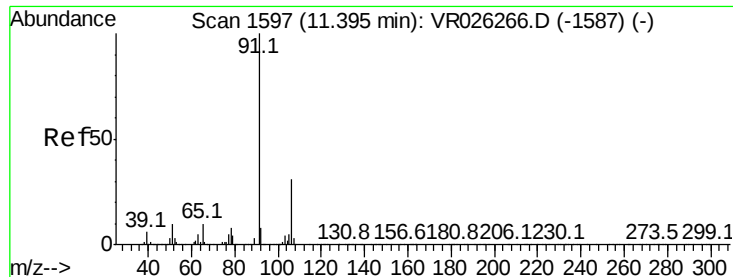


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VR





#52

Ethylbenzene

Concen: 22.689 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR026268.D

Acq: 17 Dec 2018 16:43

Instrument :

MSVOA_R

ClientSampleId :

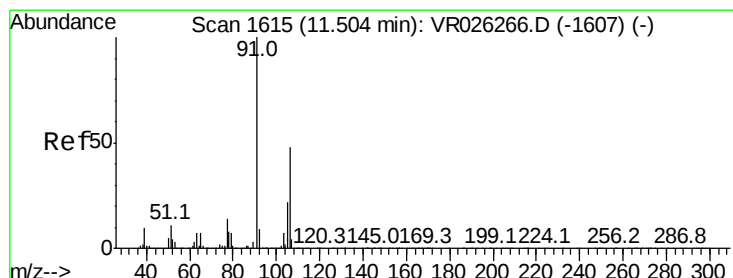
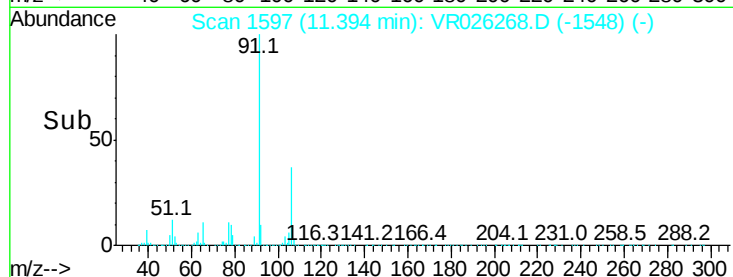
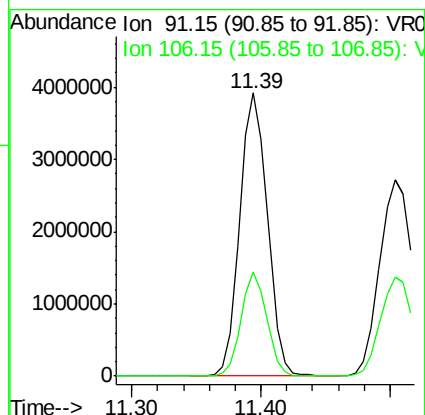
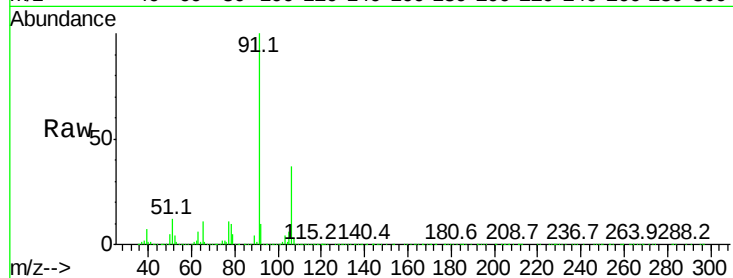
VSTD02085

Tgt Ion: 91 Resp: 5802860

Ion Ratio Lower Upper

91 100

106 36.8 21.4 39.8



#53

m,p-Xylene

Concen: 25.226 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR026268.D

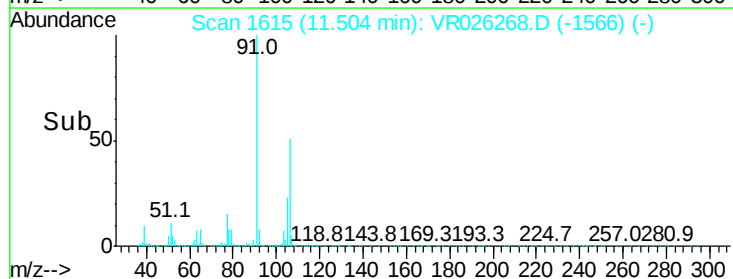
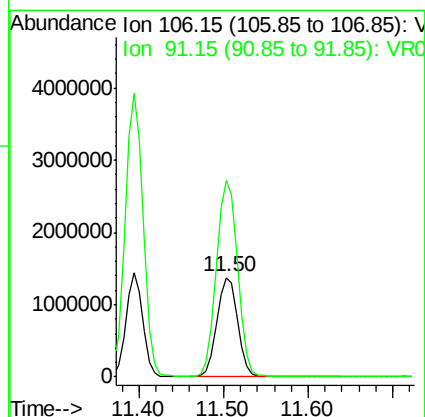
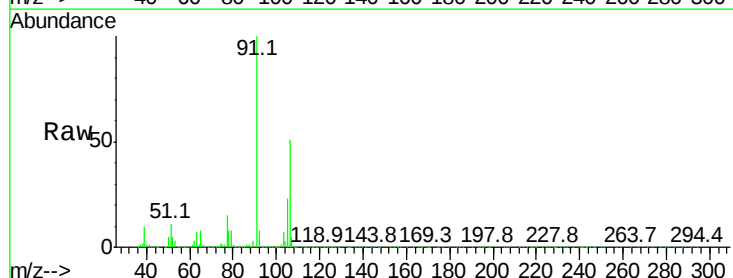
Acq: 17 Dec 2018 16:43

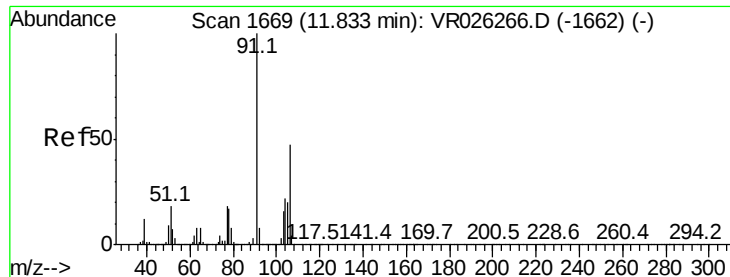
Tgt Ion: 106 Resp: 2347994

Ion Ratio Lower Upper

106 100

91 197.1 145.9 271.1

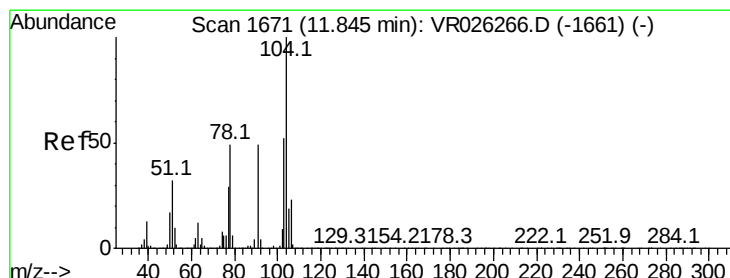
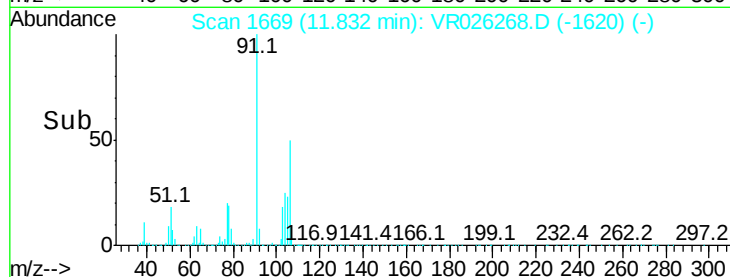
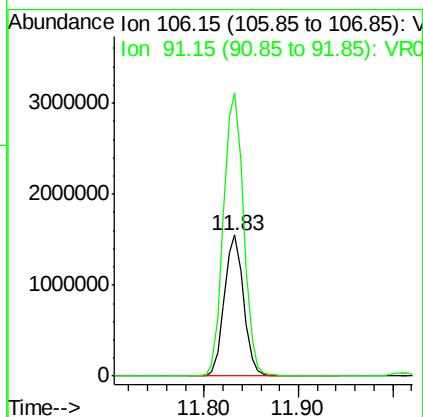
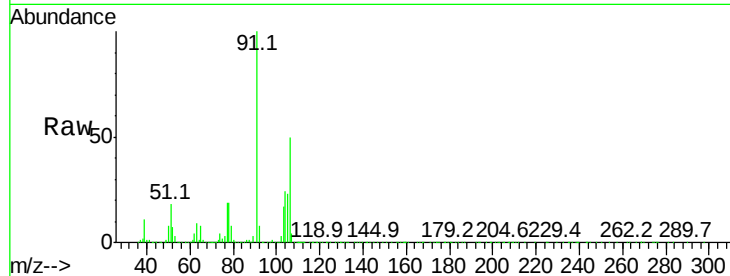




#54
o-Xylene
Concen: 26.108 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. -0.00 min
Lab File: VR026268.D
Acq: 17 Dec 2018 16:43

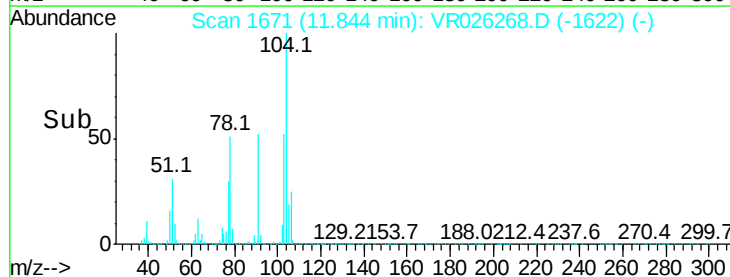
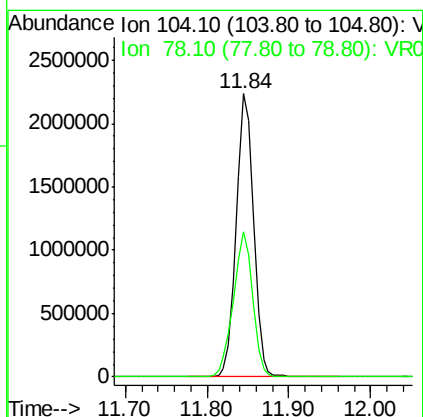
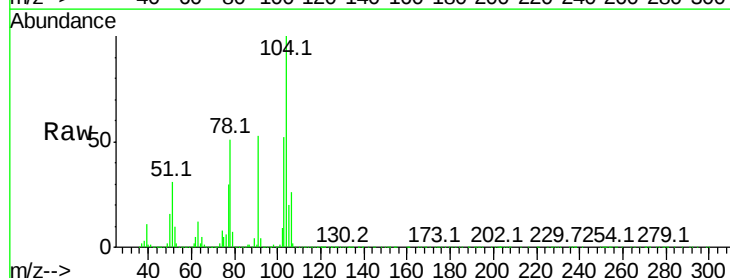
Instrument :
MSVOA_R
ClientSampleId :
VSTD02085

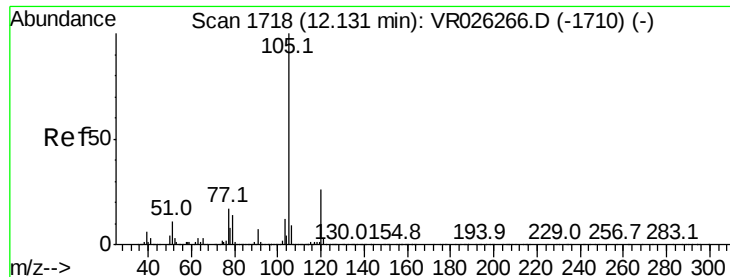
Tgt Ion:106 Resp: 2201860
Ion Ratio Lower Upper
106 100
91 201.1 150.4 279.4



#55
Styrene
Concen: 24.204 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR026268.D
Acq: 17 Dec 2018 16:43

Tgt Ion:104 Resp: 3251601
Ion Ratio Lower Upper
104 100
78 51.2 34.6 64.2





#56

Isopropylbenzene

Concen: 24.120 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR026268.D

Acq: 17 Dec 2018 16:43

Instrument :

MSVOA_R

ClientSampleId :

VSTD02085

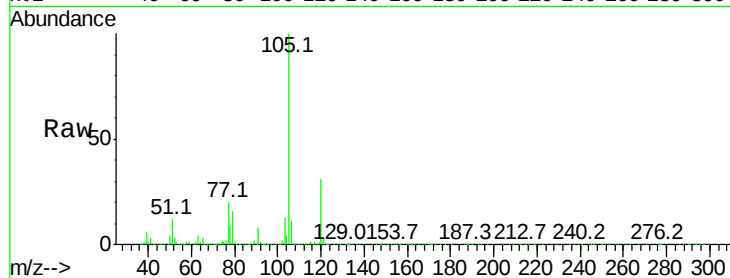
Tgt Ion:105 Resp: 5651101

Ion Ratio Lower Upper

105 100

120 29.2 21.2 31.8

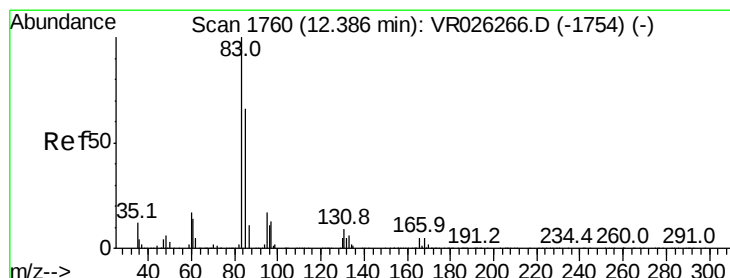
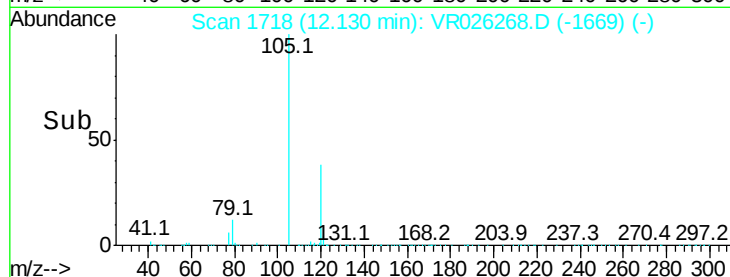
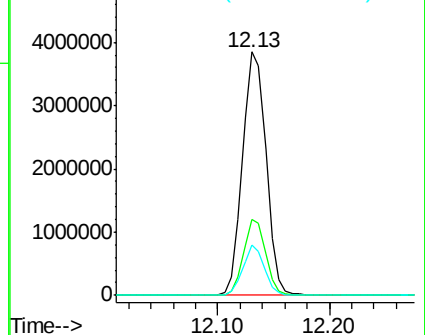
77 18.7 13.6 20.4



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: 19.294 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. -0.00 min

Lab File: VR026268.D

Acq: 17 Dec 2018 16:43

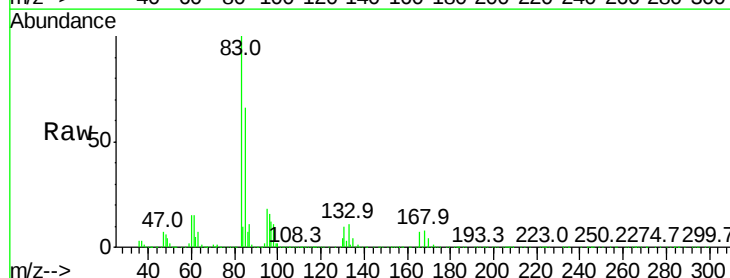
Tgt Ion: 83 Resp: 365731

Ion Ratio Lower Upper

83 100

85 65.8 46.9 87.1

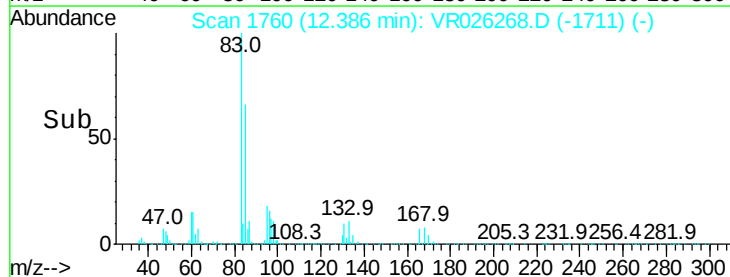
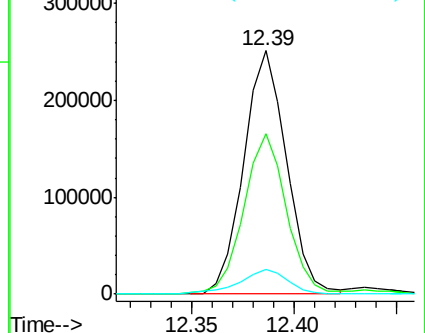
131 10.0 7.7 11.5

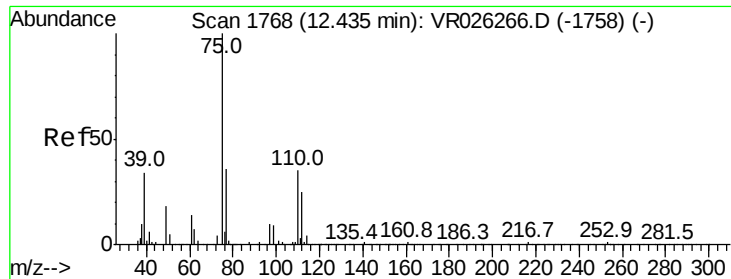


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 19.917 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VR026268.D

Acq: 17 Dec 2018 16:43

Instrument :

MSVOA_R

ClientSampleId :

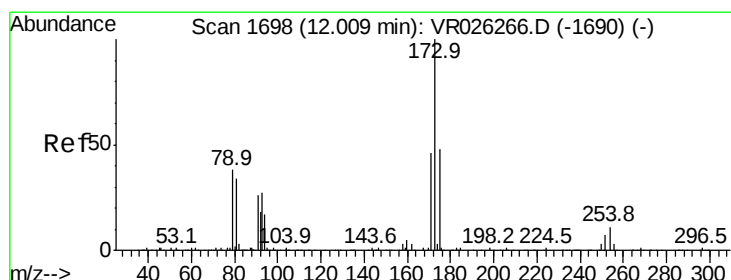
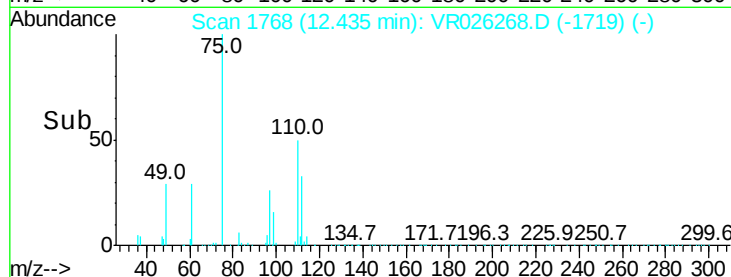
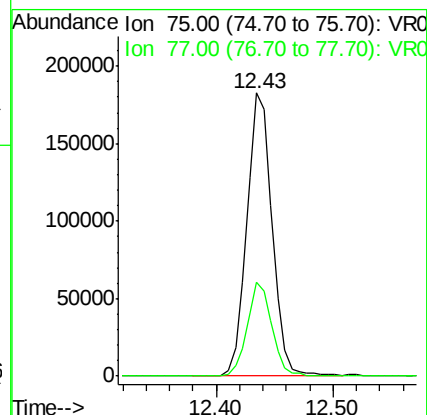
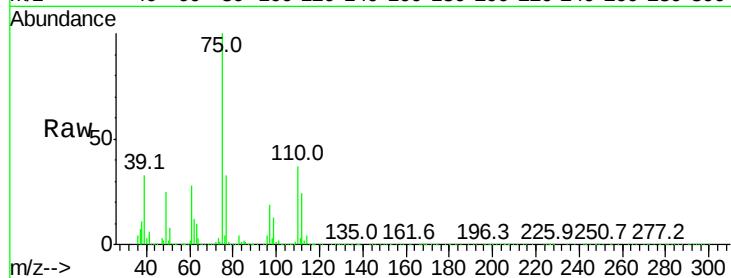
VSTD02085

Tgt Ion: 75 Resp: 276121

Ion Ratio Lower Upper

75 100

77 32.2 27.0 40.6



#61

Bromoform

Concen: 23.901 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VR026268.D

Acq: 17 Dec 2018 16:43

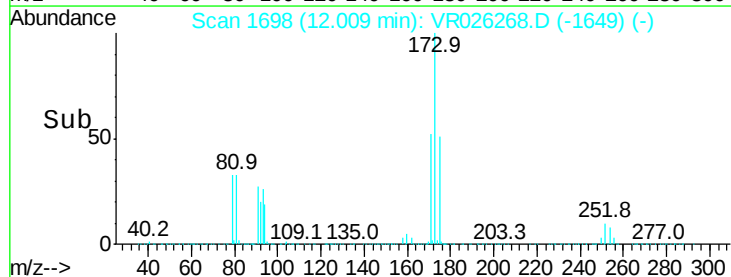
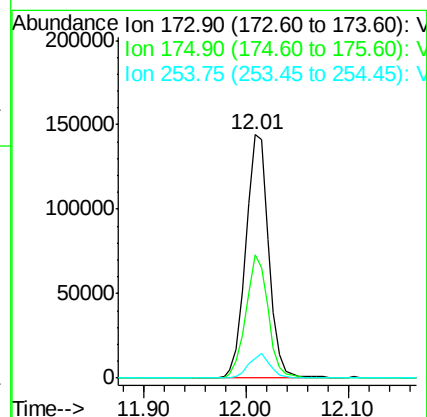
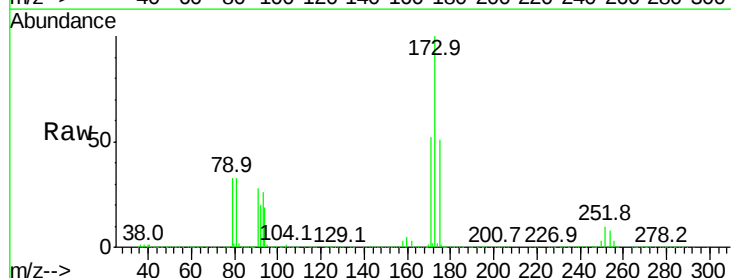
Tgt Ion: 173 Resp: 222869

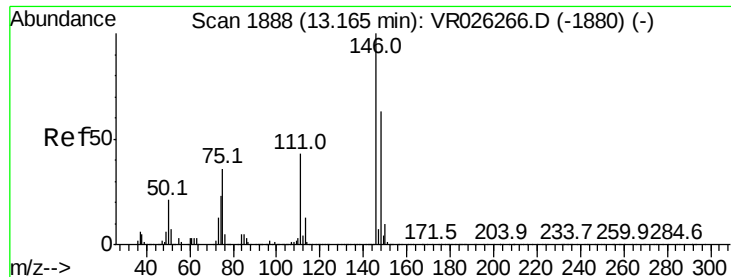
Ion Ratio Lower Upper

173 100

175 49.2 40.9 61.3

254 9.3 8.5 12.7





#62

1,3-Dichlorobenzene

Concen: 23.422 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. -0.00 min

Lab File: VR026268.D

Acq: 17 Dec 2018 16:43

Instrument :

MSVOA_R

ClientSampleId :

VSTD02085

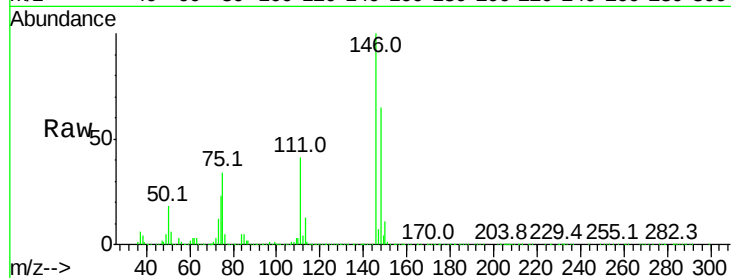
Tgt Ion:146 Resp: 1766807

Ion Ratio Lower Upper

146 100

111 41.4 30.4 56.4

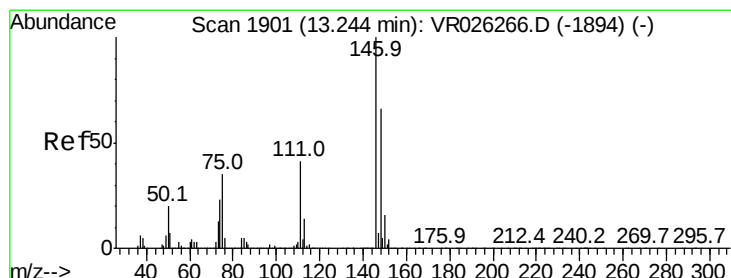
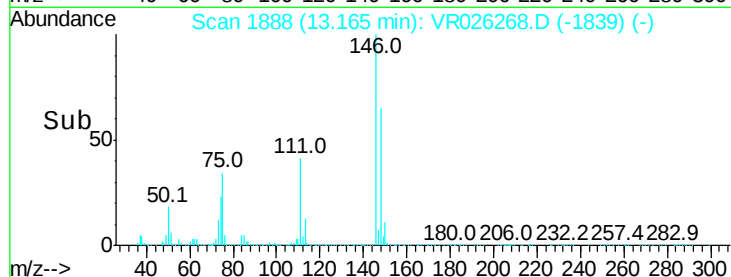
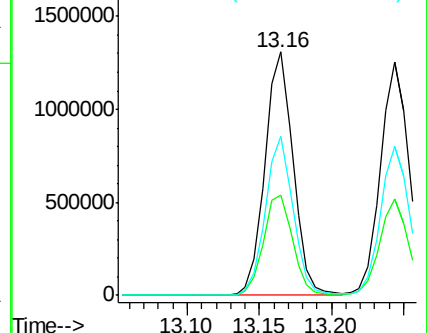
148 65.3 44.4 82.5



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: 20.969 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VR026268.D

Acq: 17 Dec 2018 16:43

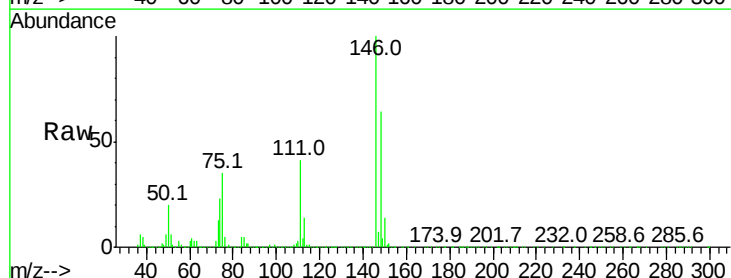
Tgt Ion:146 Resp: 1742742

Ion Ratio Lower Upper

146 100

111 41.2 29.0 53.9

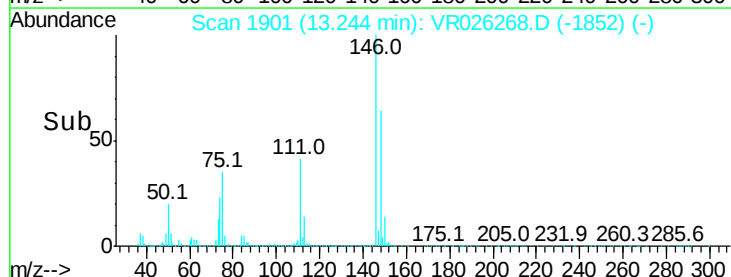
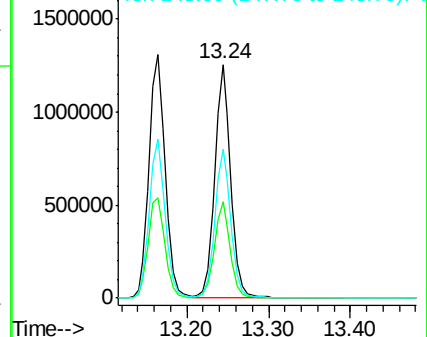
148 64.0 46.7 86.7

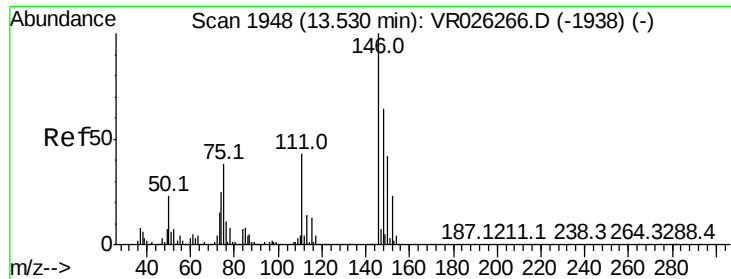


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 21.880 ug/L

RT: 13.53 min Scan# 1948

Delta R.T. -0.00 min

Lab File: VR026268.D

Acq: 17 Dec 2018 16:43

Instrument :

MSVOA_R

ClientSampleId :

VSTD02085

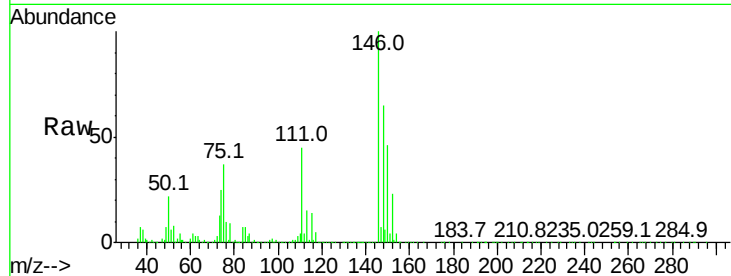
Tgt Ion:146 Resp: 1359917

Ion Ratio Lower Upper

146 100

111 44.8 34.6 52.0

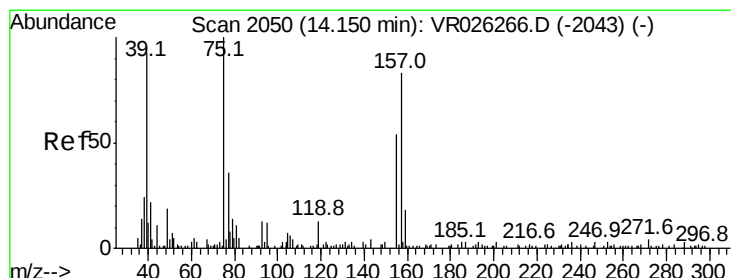
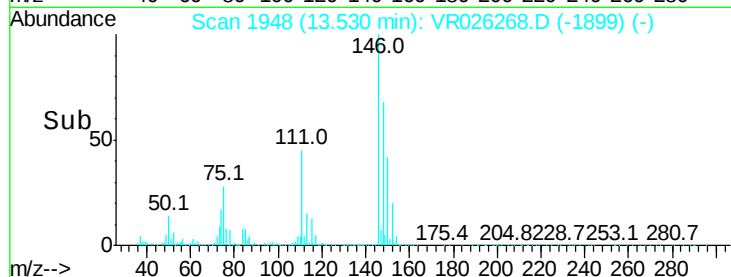
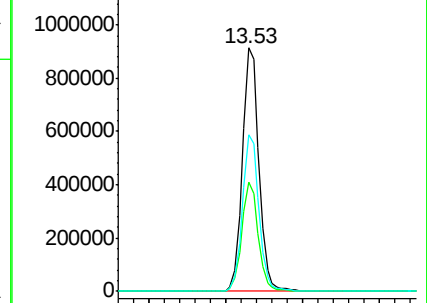
148 64.5 51.0 76.6



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: 17.504 ug/L

RT: 14.15 min Scan# 2050

Delta R.T. -0.00 min

Lab File: VR026268.D

Acq: 17 Dec 2018 16:43

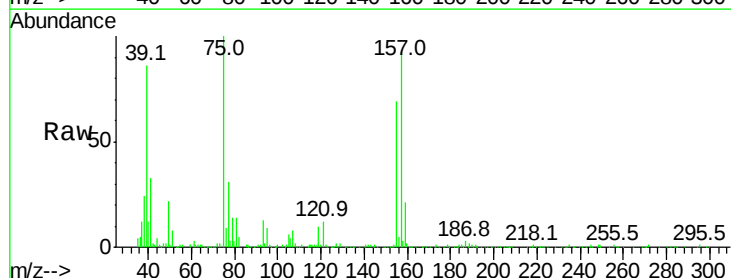
Tgt Ion: 75 Resp: 40581

Ion Ratio Lower Upper

75 100

155 69.1 44.4 66.6#

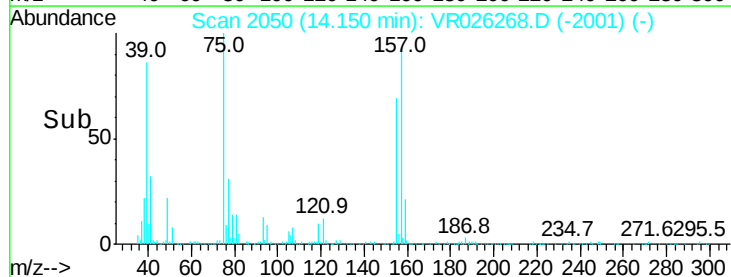
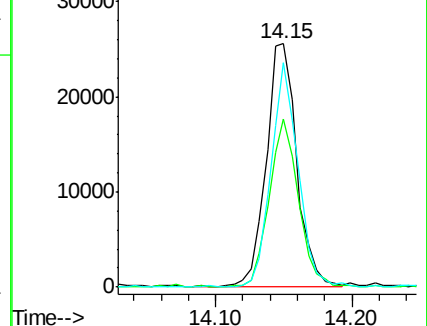
157 92.3 66.3 99.5

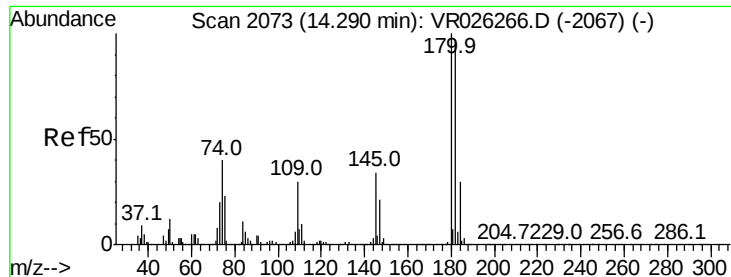


Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





#67

1,3,5-Trichlorobenzene

Concen: 24.856 ug/L

RT: 14.29 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VR026268.D

Acq: 17 Dec 2018 16:43

Instrument :

MSVOA_R

ClientSampleId :

VSTD02085

Tgt Ion:180 Resp: 1170558

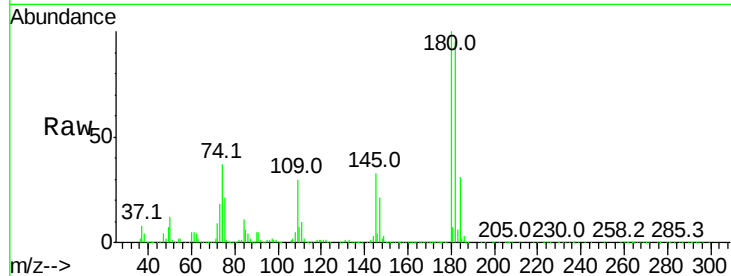
Ion Ratio Lower Upper

180 100

182 94.6 77.3 115.9

184 30.7 24.4 36.6

145 32.2 26.6 40.0

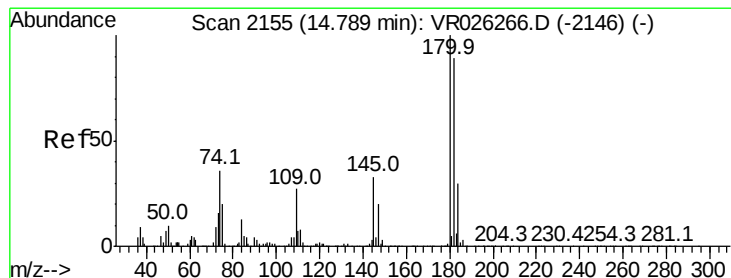
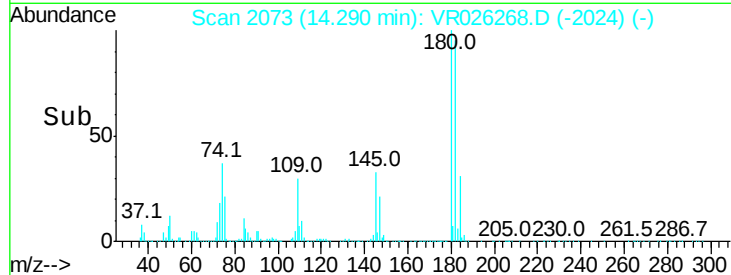
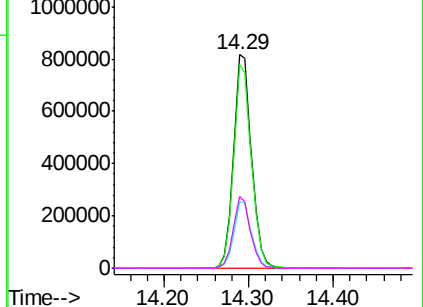


Abundance Ion 180.00 (179.70 to 180.70): V

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: 25.831 ug/L

RT: 14.79 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VR026268.D

Acq: 17 Dec 2018 16:43

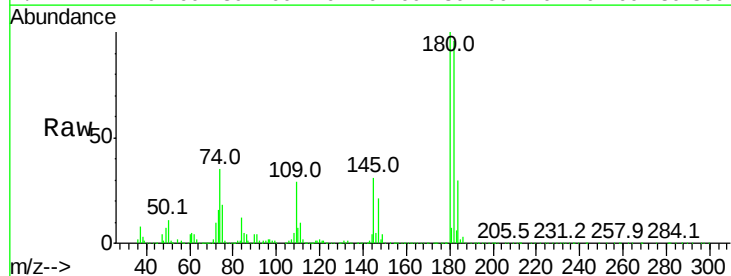
Tgt Ion:180 Resp: 675361

Ion Ratio Lower Upper

180 100

182 94.0 75.8 113.6

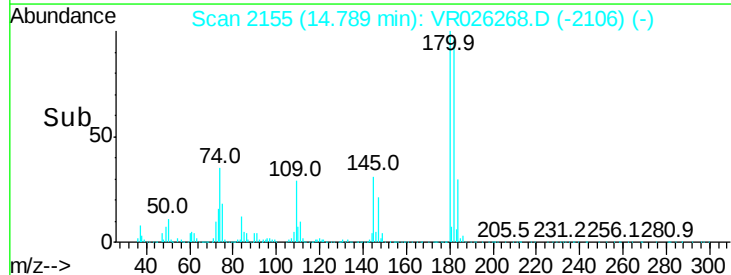
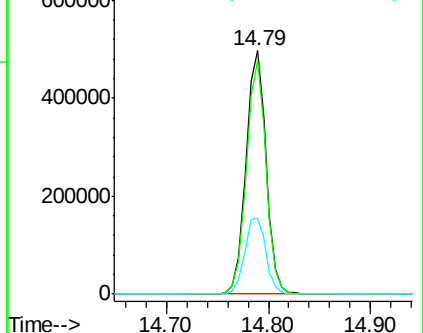
145 33.1 27.0 40.4

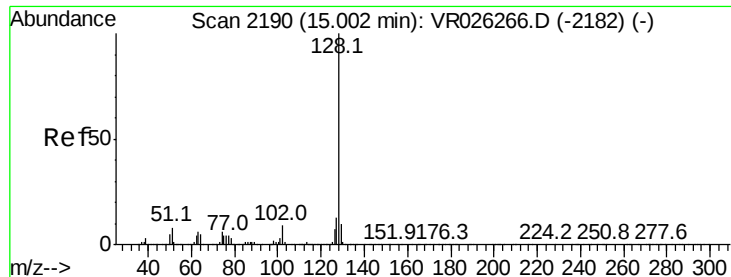


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 27.960 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR026268.D

Acq: 17 Dec 2018 16:43

Instrument :

MSVOA_R

ClientSampleId :

VSTD02085

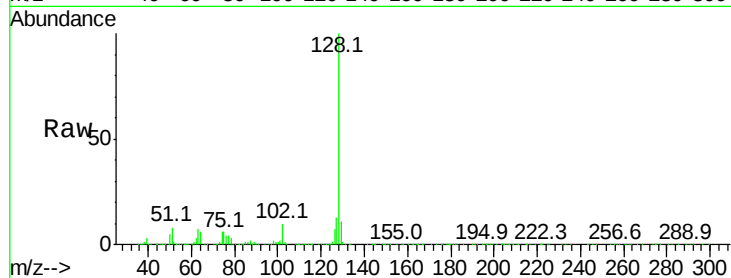
Tgt Ion:128 Resp: 714348

Ion Ratio Lower Upper

128 100

127 12.8 11.1 16.7

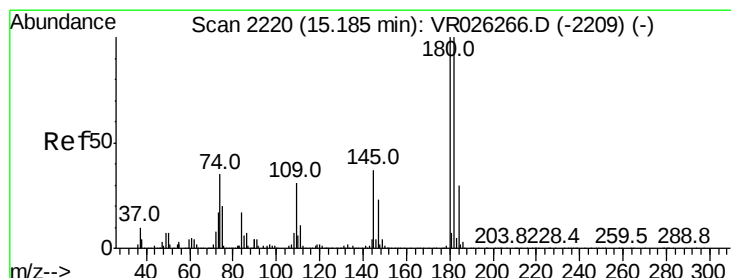
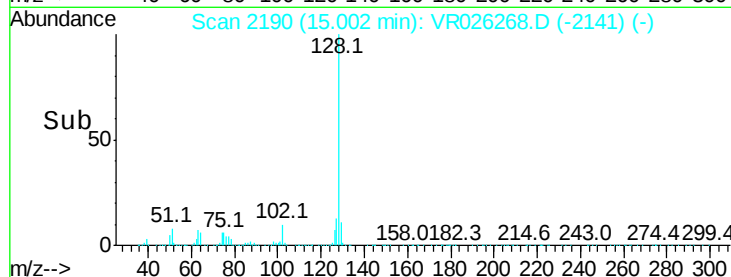
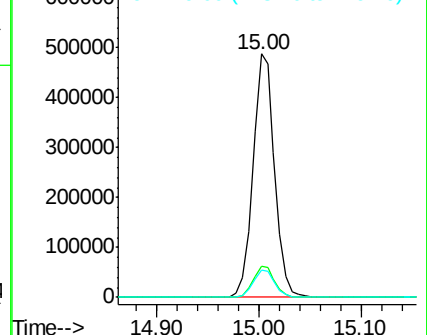
129 11.2 8.7 13.1



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: 23.180 ug/L

RT: 15.18 min Scan# 2220

Delta R.T. -0.00 min

Lab File: VR026268.D

Acq: 17 Dec 2018 16:43

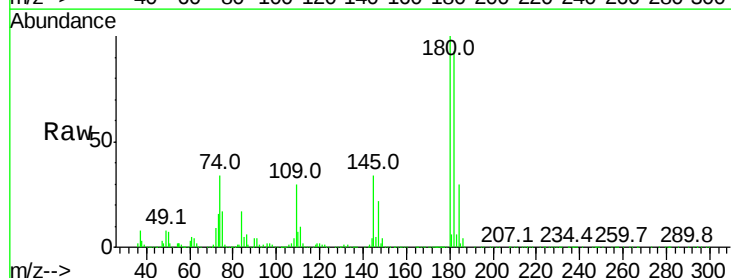
Tgt Ion:180 Resp: 449558

Ion Ratio Lower Upper

180 100

182 94.6 75.1 112.7

145 35.3 25.8 38.6



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

