

Data File : VR026075.D
Acq On : 15 Oct 2018 15:32
Operator : SY/MD
Sample : VSTD02085
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD02085

Quant Time: Oct 15 16:25:29 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Oct 15 15:02:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	725079	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	643464	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	254607	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	1084933	18.97	ug/L	0.01
7) Chloroethane-d5	2.63	69	932901	19.96	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.63	63	2686465	20.01	ug/L	0.01
20) 2-Butanone-d5	6.59	46	1114214	174.80	ug/L	0.00
24) Chloroform-d	7.20	84	1997831	20.07	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.90	65	831205	19.42	ug/L	0.00
32) Benzene-d6	7.85	84	4063895	18.98	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	1035230	17.94	ug/L	0.00
41) Toluene-d8	9.97	98	4073730	20.25	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	304101	23.23	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	956606	191.49	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	401772	17.16	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	815228	19.99	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	919873	20.871 ug/L	98
3) Chloromethane	2.02	50	1347725	21.506 ug/L	98
5) Vinyl chloride	2.17	62	1313841	21.064 ug/L	98
6) Bromomethane	2.53	94	847485	21.761 ug/L	90
8) Chloroethane	2.66	64	812494	22.894 ug/L	98
9) Trichlorofluoromethane	2.94	101	682370	7.879 ug/L #	31
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	1146346	21.653 ug/L	99
12) 1,1-Dichloroethene	3.63	96	1215138	22.201 ug/L	86
13) Acetone	3.70	43	934245	202.212 ug/L	98
14) Carbon disulfide	3.94	76	3560057	26.868 ug/L	99
15) Methyl Acetate	4.19	43	253670	19.802 ug/L	98
16) Methylene chloride	4.40	84	1054141	20.944 ug/L	98
17) Methyl tert-butyl Ether	4.90	73	1389821	22.930 ug/L	97
18) trans-1,2-Dichloroethene	4.89	96	1100006	24.299 ug/L	97
19) 1,1-Dichloroethane	5.69	63	1927085	21.501 ug/L	97
21) 2-Butanone	6.69	43	1294343	203.683 ug/L	99
22) cis-1,2-Dichloroethene	6.67	96	1065291	23.387 ug/L #	99
23) Bromochloromethane	7.05	128	277751	22.478 ug/L	97
25) Chloroform	7.23	83	1956772	22.420 ug/L	97
27) 1,2-Dichloroethane	7.99	62	910053	20.896 ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	1714205	23.690 ug/L	97
30) Cyclohexane	7.52	56	1813207	20.055 ug/L	99
31) Carbon tetrachloride	7.64	117	1548457	24.711 ug/L	97
33) Benzene	7.91	78	4760838	22.059 ug/L	100
34) Trichloroethene	8.71	95	1224760	21.537 ug/L	98
35) Methylcyclohexane	8.95	83	1931151	22.585 ug/L	100
37) 1,2-Dichloropropane	9.00	63	979048	21.145 ug/L	99
38) Bromodichloromethane	9.28	83	1122325	22.467 ug/L	97
39) cis-1,3-Dichloropropene	9.72	75	1281954	24.694 ug/L	99
40) 4-Methyl-2-pentanone	9.87	43	3293593	202.302 ug/L	97

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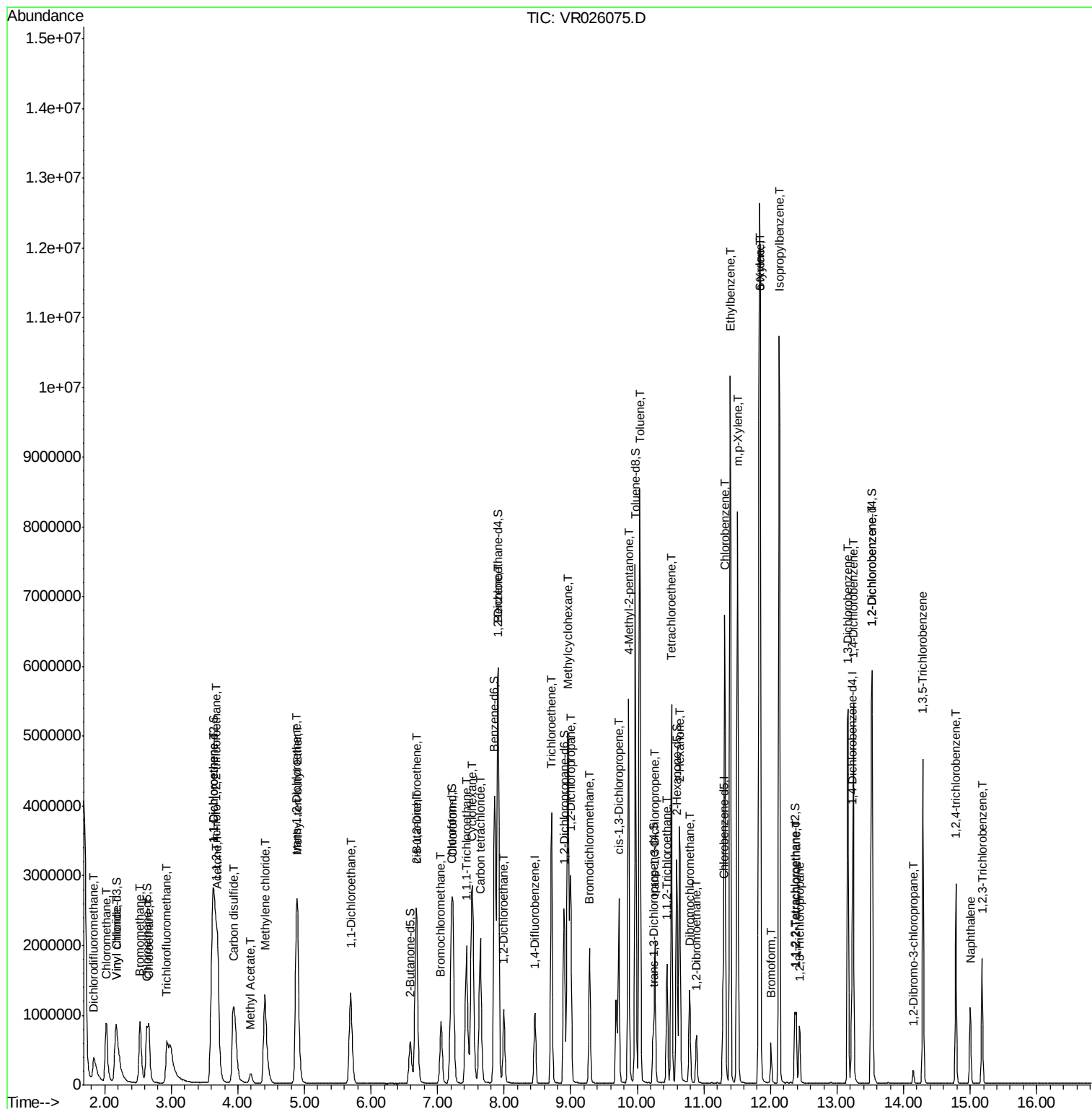
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.04	91	5143301	22.934	ug/L	95
44) trans-1,3-Dichloropropene	10.26	75	921495	27.187	ug/L	95
45) 1,1,2-Trichloroethane	10.45	97	422008	20.150	ug/L	98
47) Tetrachloroethene	10.51	164	924990	26.397	ug/L	98
48) 2-Hexanone	10.63	43	2149354	201.640	ug/L	98
49) Dibromochloromethane	10.79	129	551889	25.967	ug/L	96
50) 1,2-Dibromoethane	10.89	107	373982	22.632	ug/L #	87
51) Chlorobenzene	11.32	112	2776216	23.338	ug/L	99
52) Ethylbenzene	11.39	91	5727907	22.377	ug/L	86
53) m,p-Xylene	11.50	106	2298464	25.223	ug/L	95
54) o-Xylene	11.83	106	2244163	26.456	ug/L	86
55) Styrene	11.84	104	3397623	25.735	ug/L	99
56) Isopropylbenzene	12.13	105	5572668	23.819	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.39	83	391568	19.405	ug/L	100
59) 1,2,3-Trichloropropane	12.43	75	290602	19.350	ug/L	100
61) Bromoform	12.01	173	205224	26.663	ug/L	99
62) 1,3-Dichlorobenzene	13.16	146	1730945	23.261	ug/L	96
63) 1,4-Dichlorobenzene	13.24	146	1681422	22.088	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	1365992	22.847	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.14	75	43562	17.328	ug/L #	90
67) 1,3,5-Trichlorobenzene	14.29	180	1068142	24.097	ug/L	98
68) 1,2,4-trichlorobenzene	14.78	180	640693	22.675	ug/L	99
69) Naphthalene	15.00	128	704271	19.530	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	432833	22.079	ug/L	99

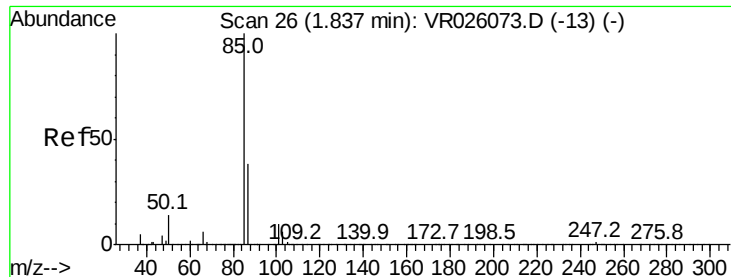
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 20.871 ug/L

RT: 1.84 min Scan# 26

Delta R.T. 0.00 min

Lab File: VR026075.D

Acq: 15 Oct 2018 15:32

Instrument :

MSVOA_R

ClientSampleId :

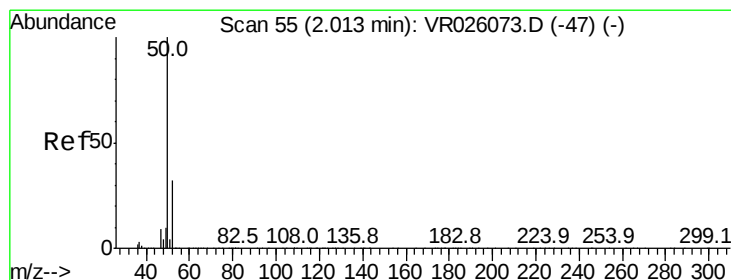
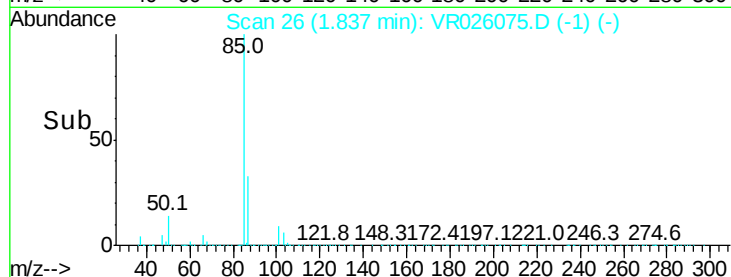
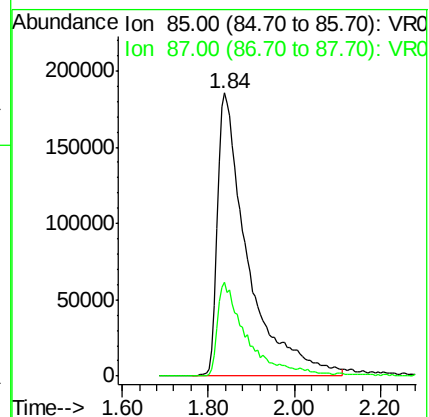
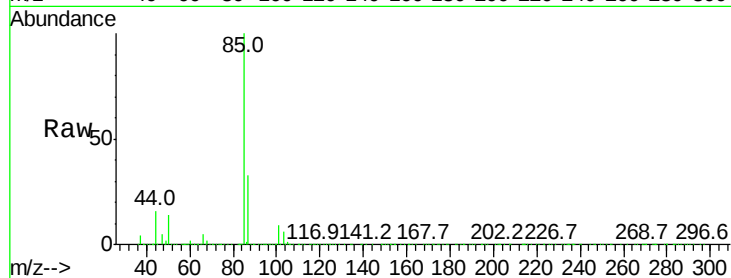
VSTD02085

Tgt Ion: 85 Resp: 919873

Ion Ratio Lower Upper

85 100

87 30.5 23.4 35.2



#3

Chloromethane

Concen: 21.506 ug/L

RT: 2.02 min Scan# 56

Delta R.T. 0.01 min

Lab File: VR026075.D

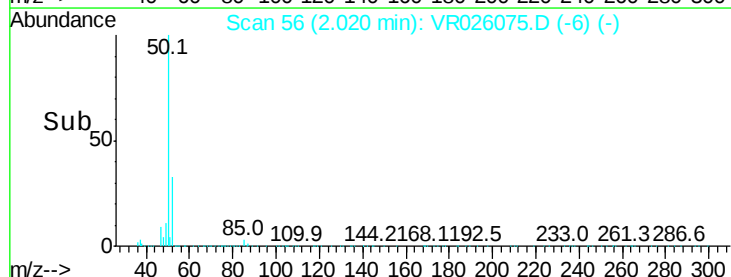
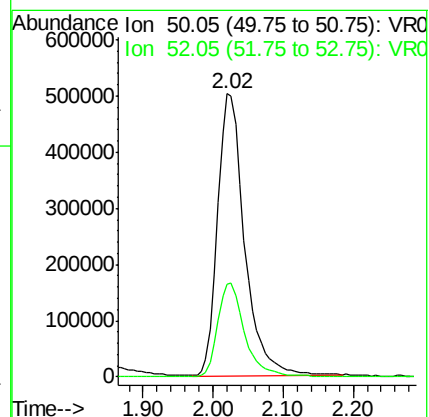
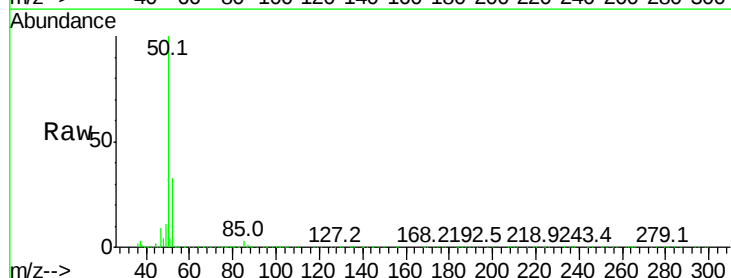
Acq: 15 Oct 2018 15:32

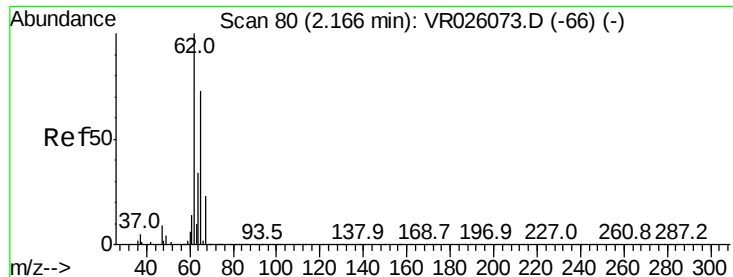
Tgt Ion: 50 Resp: 1347725

Ion Ratio Lower Upper

50 100

52 32.7 22.0 40.8





#5

Vinyl chloride

Concen: 21.064 ug/L

RT: 2.17 min Scan# 81

Delta R.T. 0.01 min

Lab File: VR026075.D

Acq: 15 Oct 2018 15:32

Instrument :

MSVOA_R

ClientSampleId :

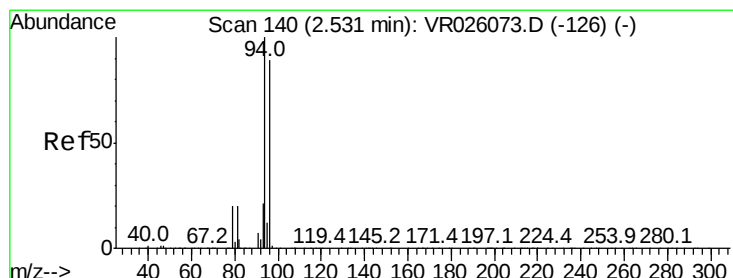
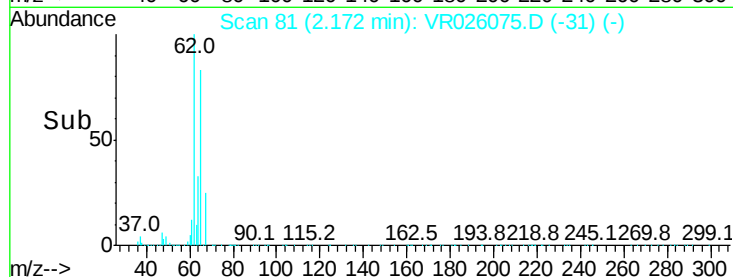
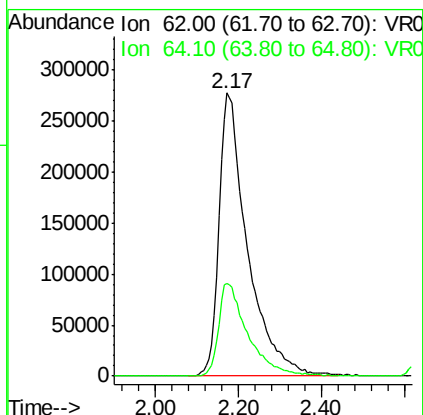
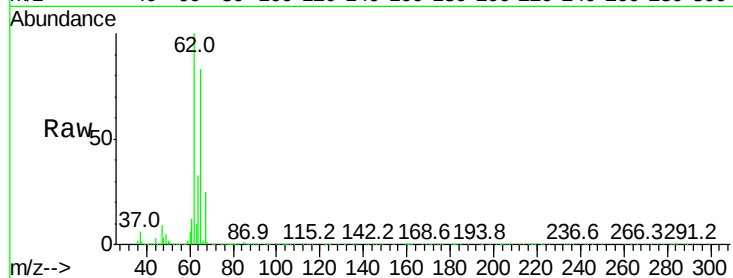
VSTD02085

Tgt Ion: 62 Resp: 1313841

Ion Ratio Lower Upper

62 100

64 32.7 23.9 44.3



#6

Bromomethane

Concen: 21.761 ug/L

RT: 2.53 min Scan# 140

Delta R.T. 0.00 min

Lab File: VR026075.D

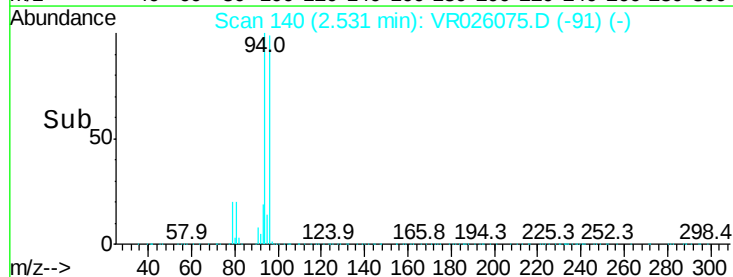
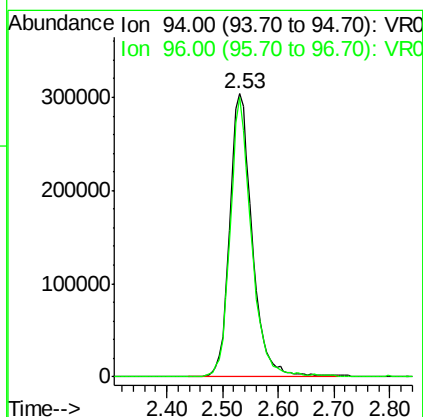
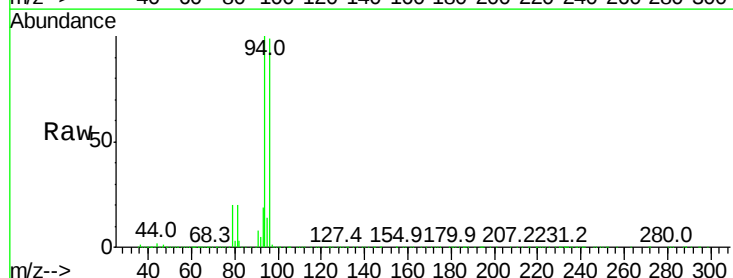
Acq: 15 Oct 2018 15:32

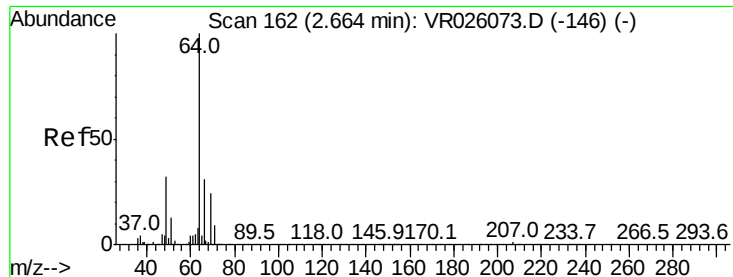
Tgt Ion: 94 Resp: 847485

Ion Ratio Lower Upper

94 100

96 98.7 62.5 116.1





#8

Chloroethane

Concen: 22.894 ug/L

RT: 2.66 min Scan# 162

Delta R.T. 0.00 min

Lab File: VR026075.D

Acq: 15 Oct 2018 15:32

Instrument :

MSVOA_R

ClientSampleId :

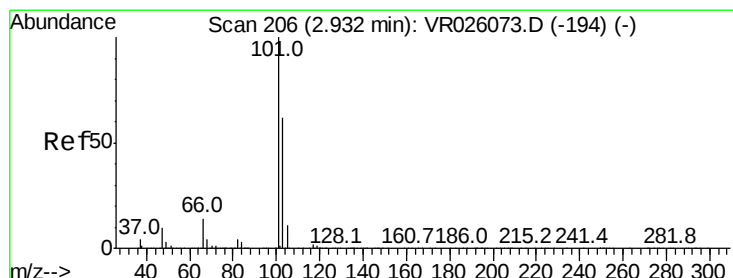
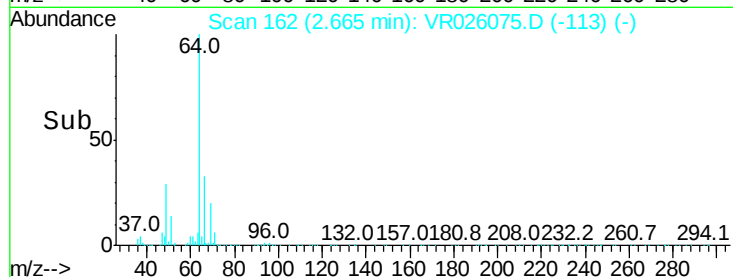
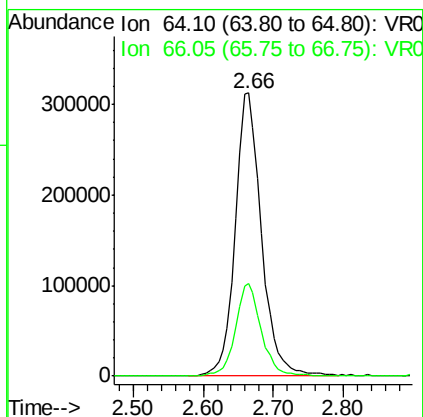
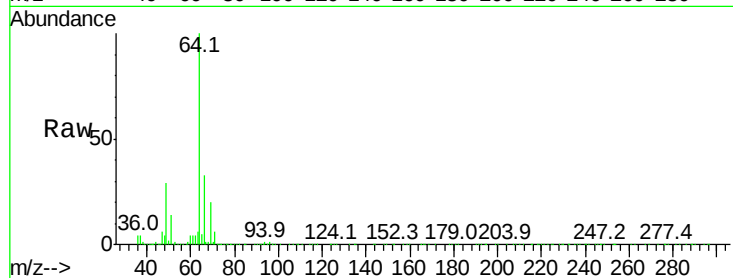
VSTD02085

Tgt Ion: 64 Resp: 812494

Ion Ratio Lower Upper

64 100

66 32.8 22.0 40.8



#9

Trichlorofluoromethane

Concen: 7.879 ug/L

RT: 2.94 min Scan# 207

Delta R.T. 0.01 min

Lab File: VR026075.D

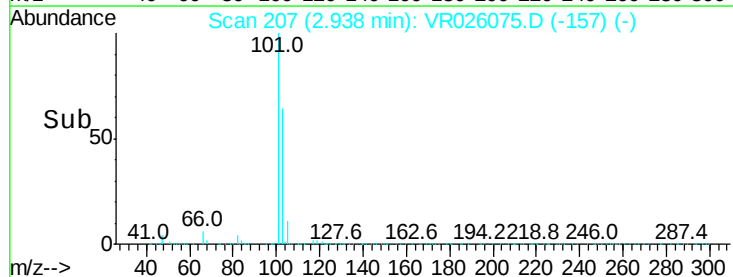
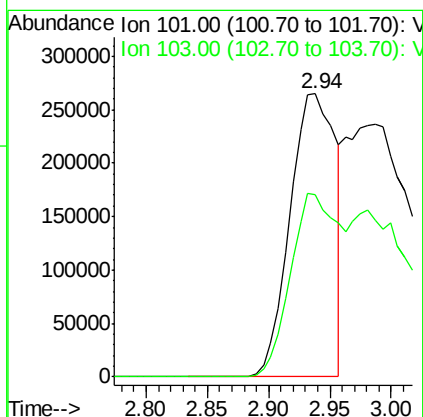
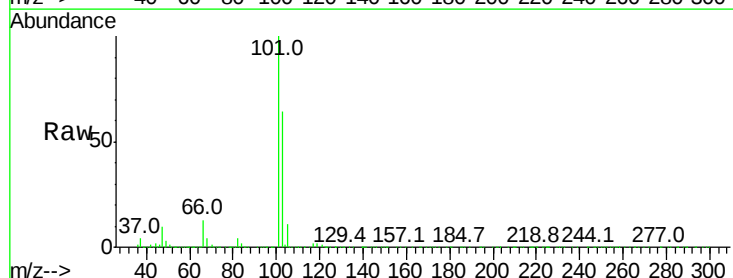
Acq: 15 Oct 2018 15:32

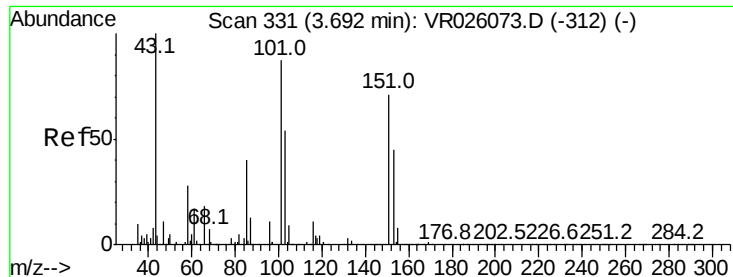
Tgt Ion: 101 Resp: 682370

Ion Ratio Lower Upper

101 100

103 71.0 26.0 39.0#





#10

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

Concen: 21.653 ug/L

RT: 3.69 min Scan# 330

Delta R.T. -0.01 min

Lab File: VR026075.D

Acq: 15 Oct 2018 15:32

Instrument :

MSVOA_R

ClientSampleId :

VSTD02085

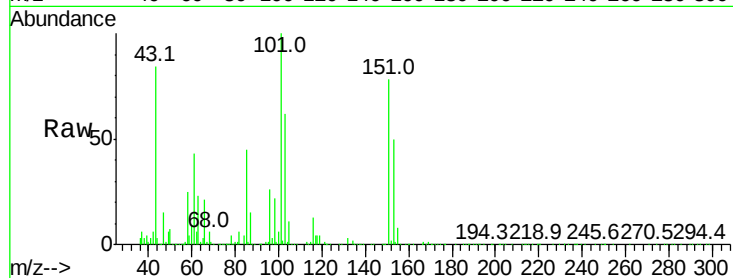
Tgt Ion:101 Resp: 1146346

Ion Ratio Lower Upper

101 100

85 46.5 37.8 56.8

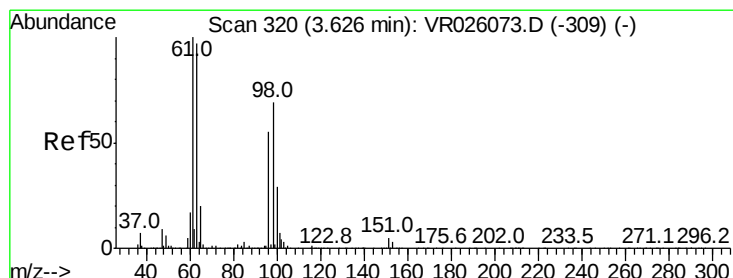
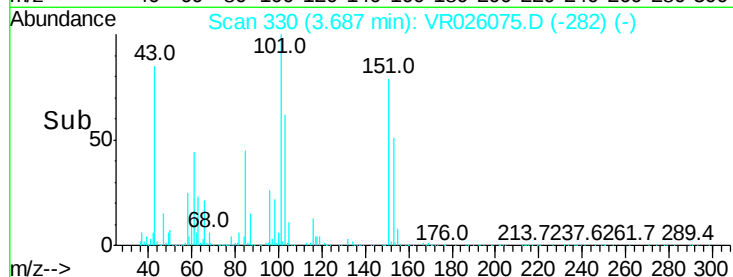
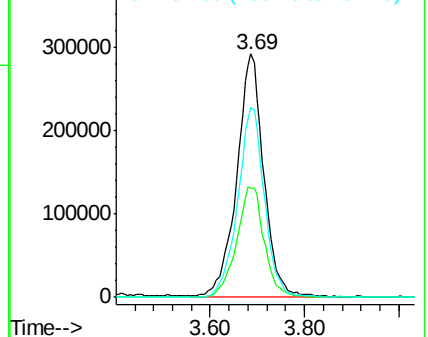
151 78.1 63.2 94.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 22.201 ug/L

RT: 3.63 min Scan# 320

Delta R.T. 0.00 min

Lab File: VR026075.D

Acq: 15 Oct 2018 15:32

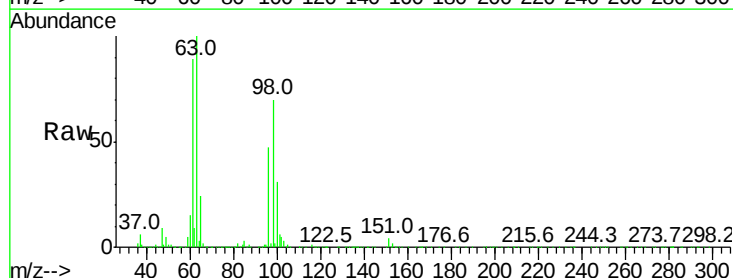
Tgt Ion: 96 Resp: 1215138

Ion Ratio Lower Upper

96 100

61 189.1 126.7 235.3

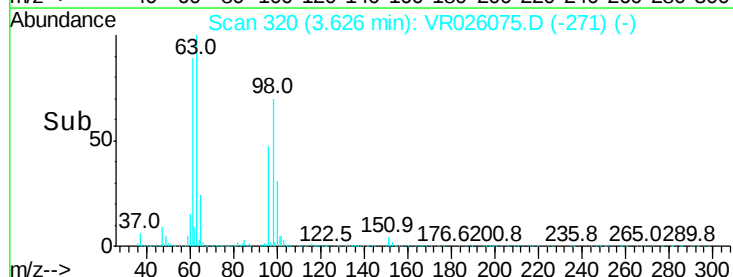
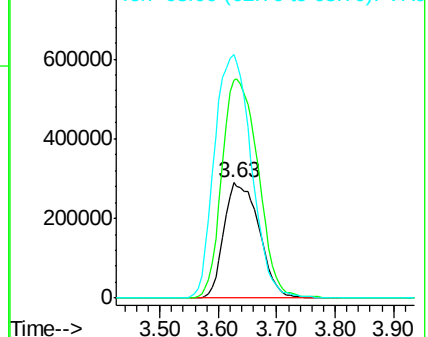
63 211.6 125.0 232.2

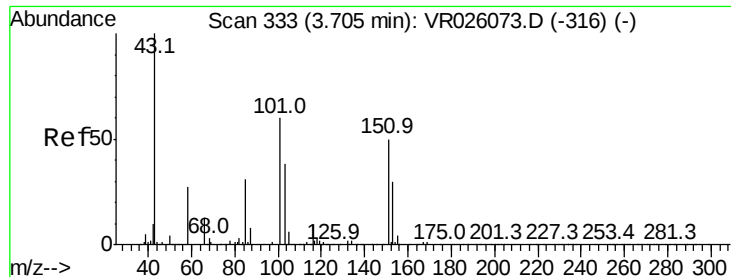


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 202.212 ug/L

RT: 3.70 min Scan# 332

Delta R.T. -0.01 min

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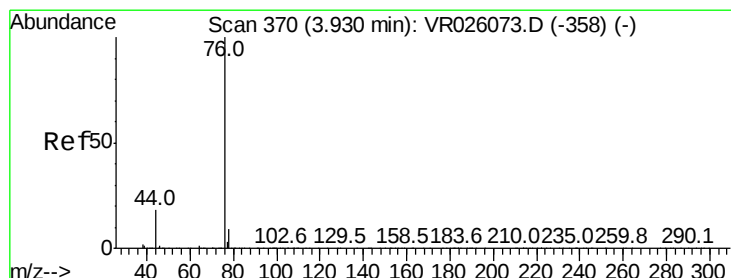
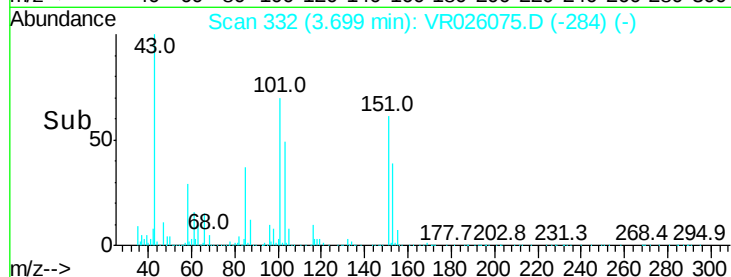
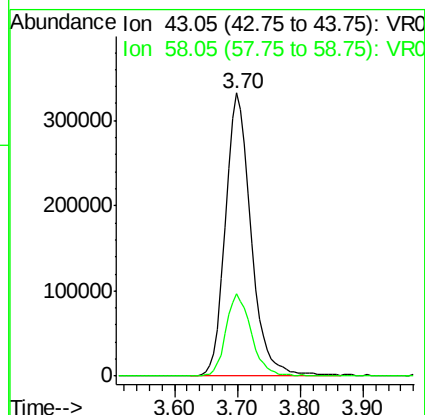
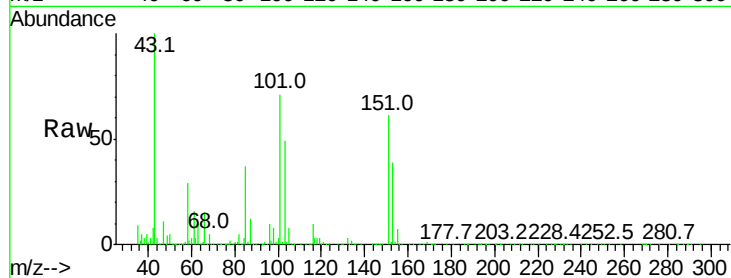
VSTD02085

Tgt Ion: 43 Resp: 934245

Ion Ratio Lower Upper

43 100

58 28.9 0.0 55.4



#14

Carbon disulfide

Concen: 26.868 ug/L

RT: 3.94 min Scan# 371

Delta R.T. 0.01 min

Lab File: VR026075.D

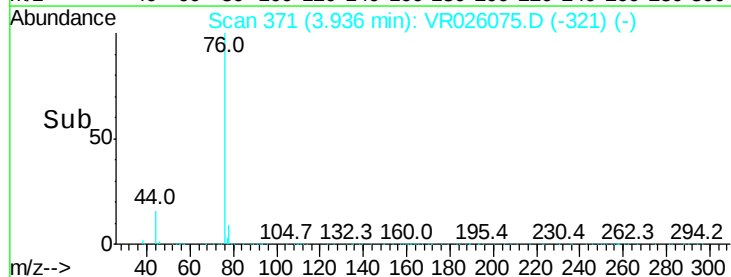
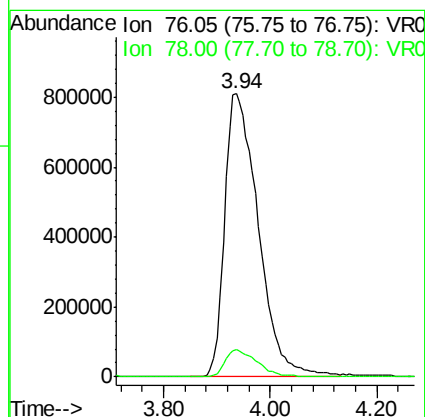
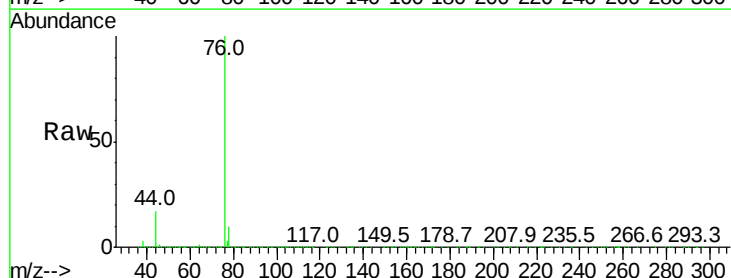
Acq: 15 Oct 2018 15:32

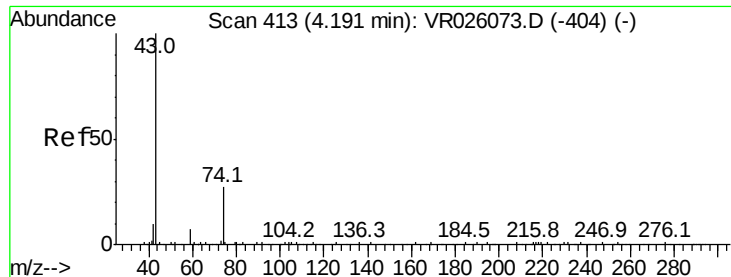
Tgt Ion: 76 Resp: 3560057

Ion Ratio Lower Upper

76 100

78 9.7 7.6 11.4





#15

Methyl Acetate

Concen: 19.802 ug/L

RT: 4.19 min Scan# 413

Delta R.T. 0.00 min

Lab File: VR026075.D

Acq: 15 Oct 2018 15:32

Instrument :

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ClientSampleId :

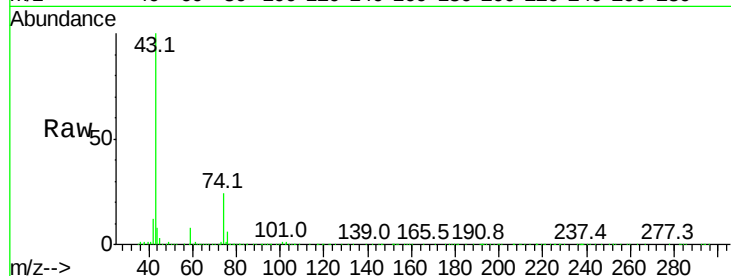
VSTD02085

Tgt Ion: 43 Resp: 253670

Ion Ratio Lower Upper

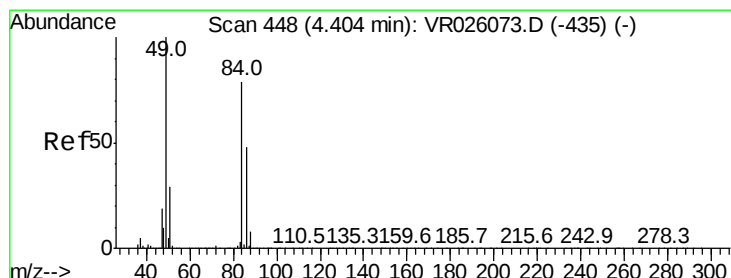
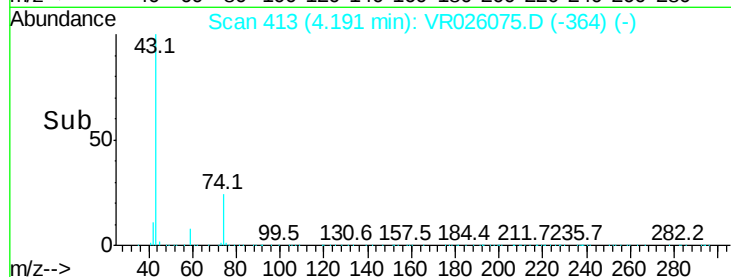
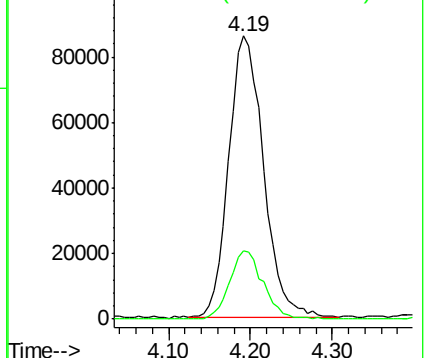
43 100

74 23.7 19.8 29.8



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0



#16

Methylene chloride

Concen: 20.944 ug/L

RT: 4.40 min Scan# 448

Delta R.T. 0.00 min

Lab File: VR026075.D

Acq: 15 Oct 2018 15:32

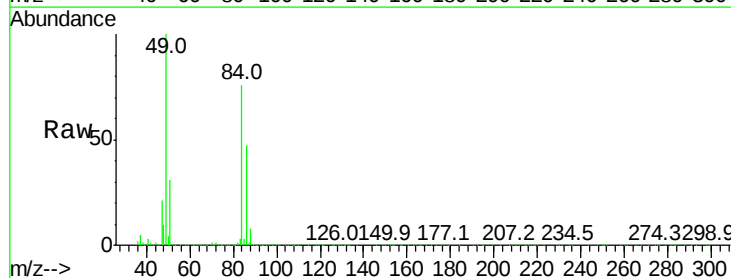
Tgt Ion: 84 Resp: 1054141

Ion Ratio Lower Upper

84 100

86 61.9 43.0 79.8

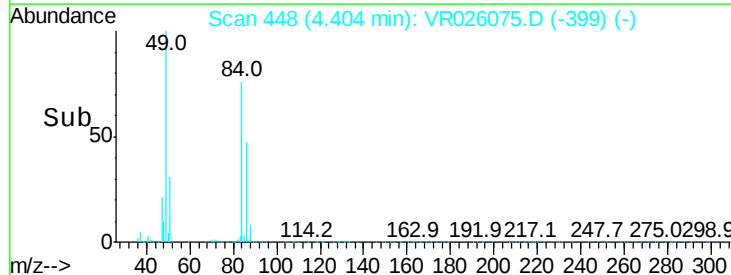
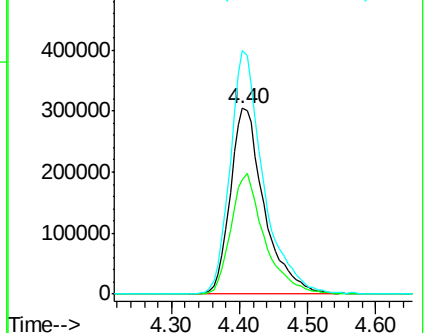
49 131.2 89.1 165.5

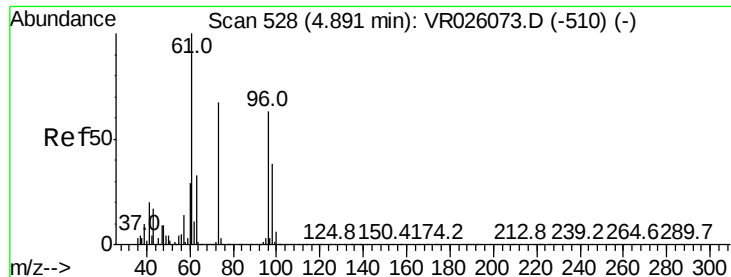


Abundance Ion 84.05 (83.75 to 84.75): VR0

Ion 86.00 (85.70 to 86.70): VR0

Ion 49.10 (48.80 to 49.80): VR0





#17

Methyl tert-butyl Ether

Concen: 22.930 ug/L

RT: 4.90 min Scan# 529

Delta R.T. 0.01 min

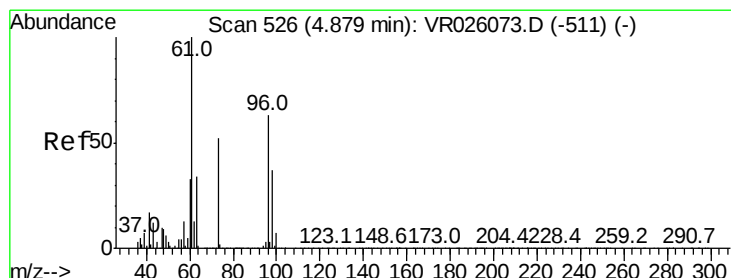
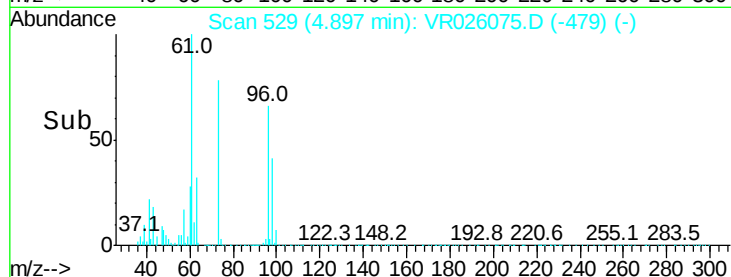
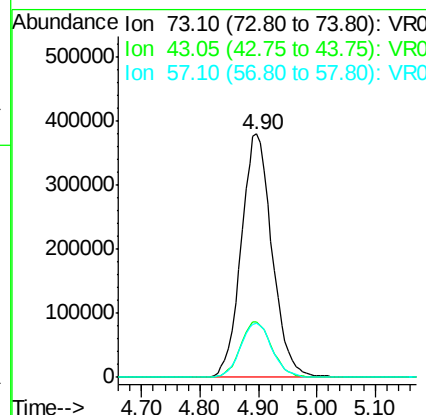
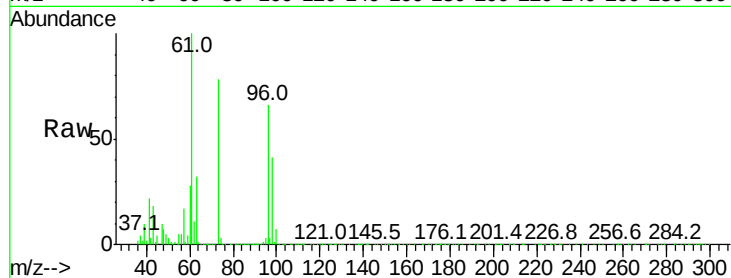
Lab File: VR026075.D

Acq: 15 Oct 2018 15:32

Instrument :
MSVOA_R
ClientSampleId :
VSTD02085

Tgt Ion: 73 Resp: 1389821

Ion	Ratio	Lower	Upper
73	100		
43	23.1	20.1	30.1
57	22.8	19.0	28.4



#18

trans-1,2-Dichloroethene

Concen: 24.299 ug/L

RT: 4.89 min Scan# 527

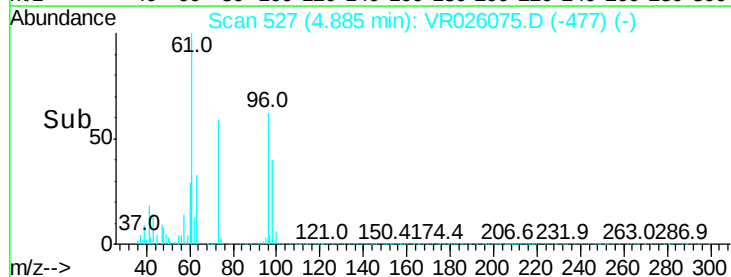
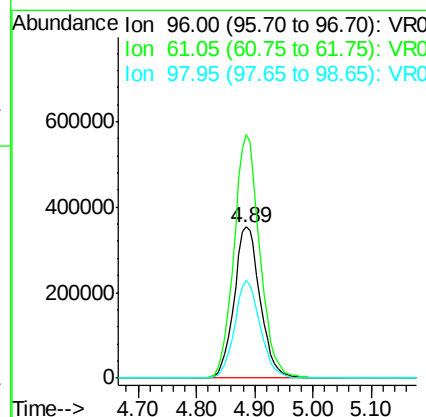
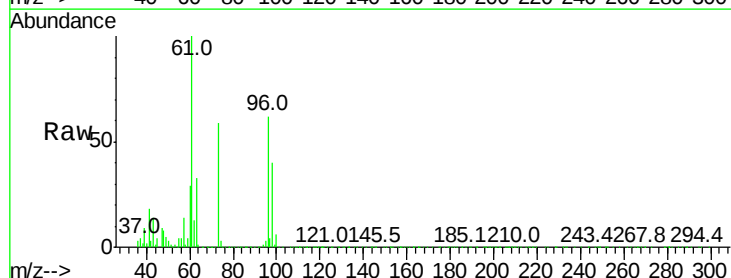
Delta R.T. 0.01 min

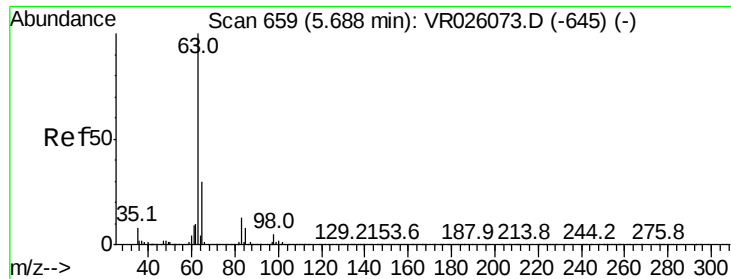
Lab File: VR026075.D

Acq: 15 Oct 2018 15:32

Tgt Ion: 96 Resp: 1100006

Ion	Ratio	Lower	Upper
96	100		
61	161.0	111.4	206.8
98	64.6	41.4	77.0



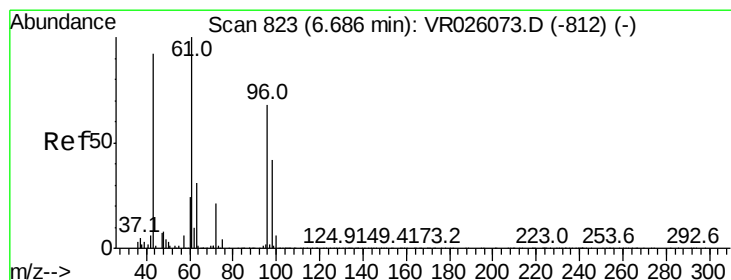
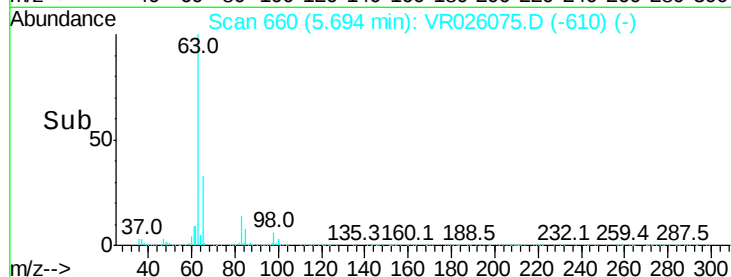
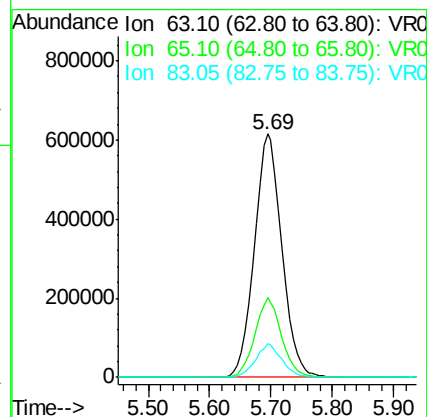
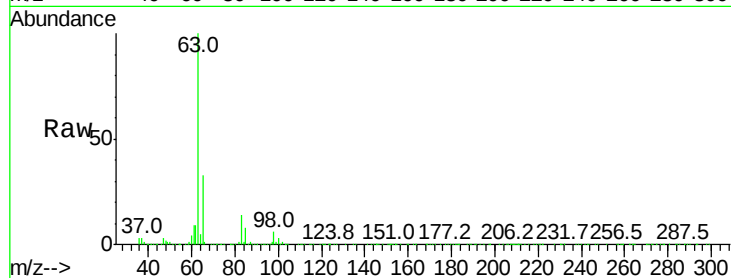


#19
 1,1-Dichloroethane
 Concen: 21.501 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. 0.01 min
 Lab File: VR026075.D
 Acq: 15 Oct 2018 15:32

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02085

Tgt Ion: 63 Resp: 1927085

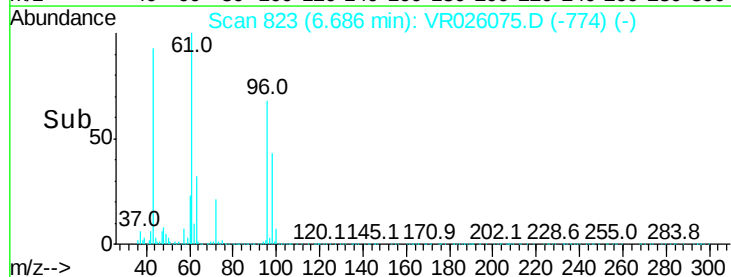
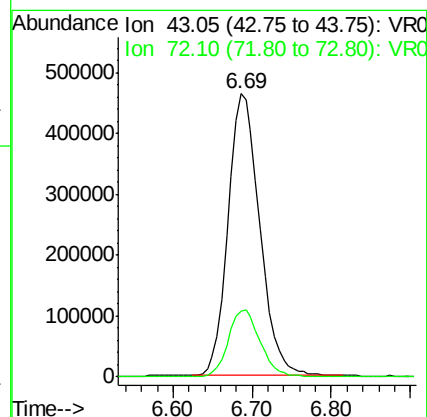
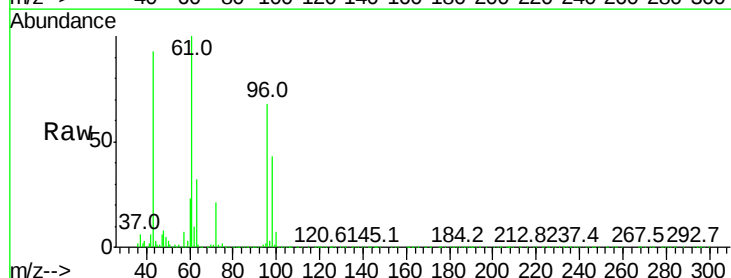
Ion	Ratio	Lower	Upper
63	100		
65	32.5	21.2	39.4
83	13.7	9.2	17.2

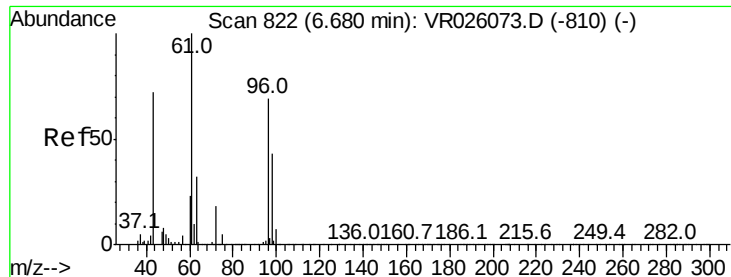


#21
 2-Butanone
 Concen: 203.683 ug/L
 RT: 6.69 min Scan# 823
 Delta R.T. 0.00 min
 Lab File: VR026075.D
 Acq: 15 Oct 2018 15:32

Tgt Ion: 43 Resp: 1294343

Ion	Ratio	Lower	Upper
43	100		
72	24.2	12.3	36.8



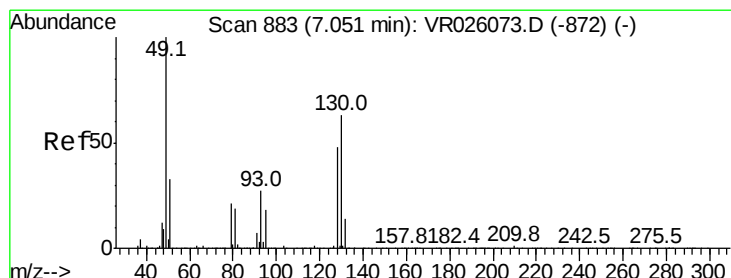
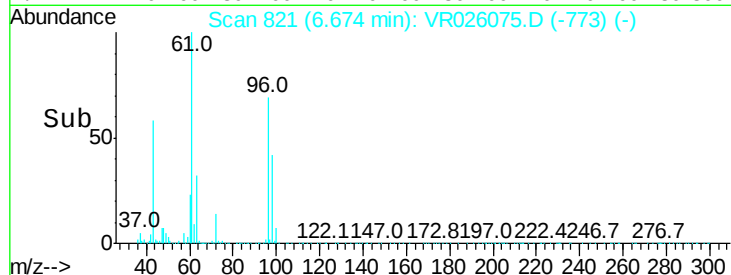
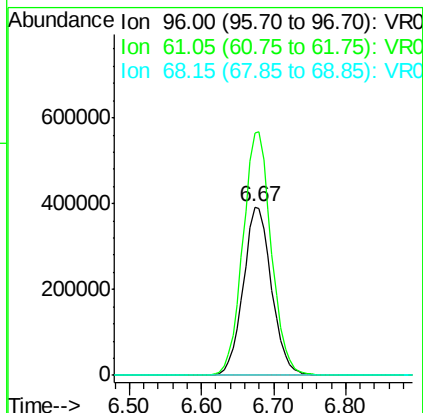
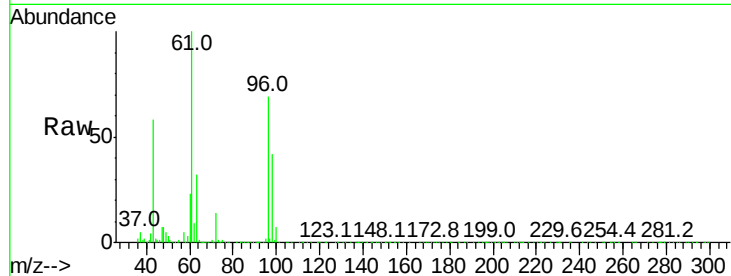


#22

cis-1,2-Dichloroethene
Concen: 23.387 ug/L
RT: 6.67 min Scan# 821
Delta R.T. -0.01 min
Lab File: VR026075.D
Acq: 15 Oct 2018 15:32

Instrument :
MSVOA_R
ClientSampleId :
VSTD02085

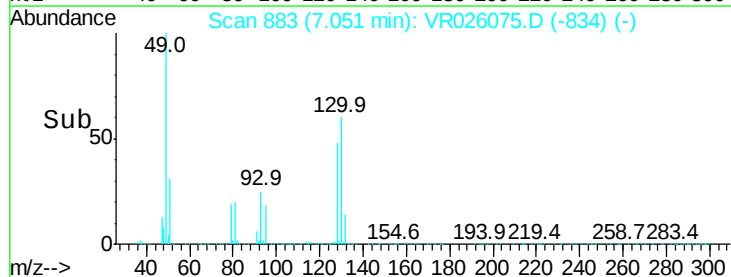
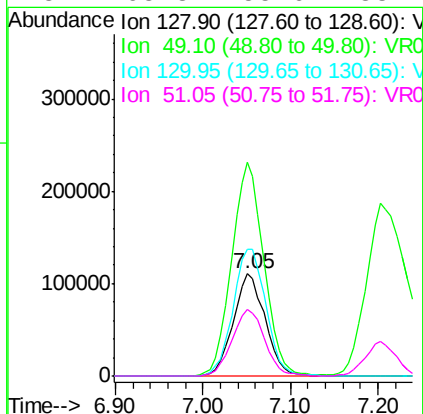
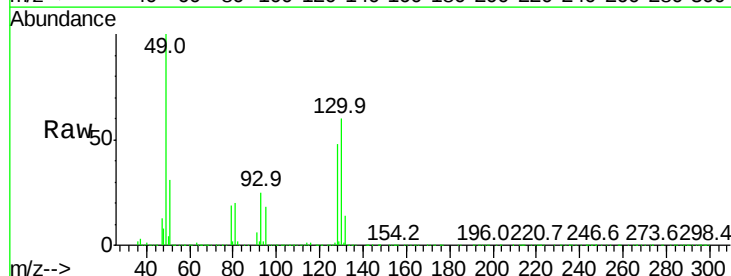
Tgt Ion: 96 Resp: 1065291
Ion Ratio Lower Upper
96 100
61 144.3 101.8 189.0
68 0.0 0.1 0.3#

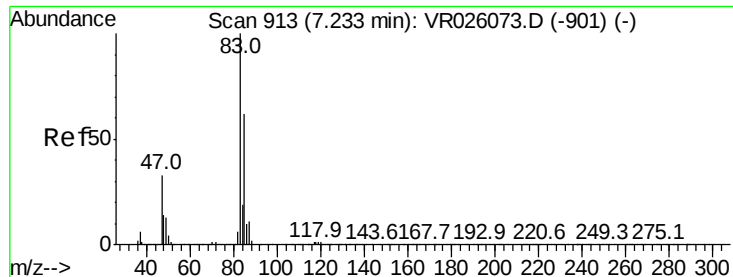


#23

Bromochloromethane
Concen: 22.478 ug/L
RT: 7.05 min Scan# 883
Delta R.T. 0.00 min
Lab File: VR026075.D
Acq: 15 Oct 2018 15:32

Tgt Ion: 128 Resp: 277751
Ion Ratio Lower Upper
128 100
49 209.7 146.2 271.4
130 124.8 92.5 171.7
51 65.8 55.6 83.4

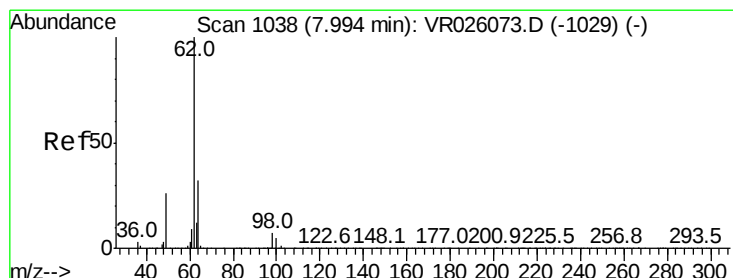
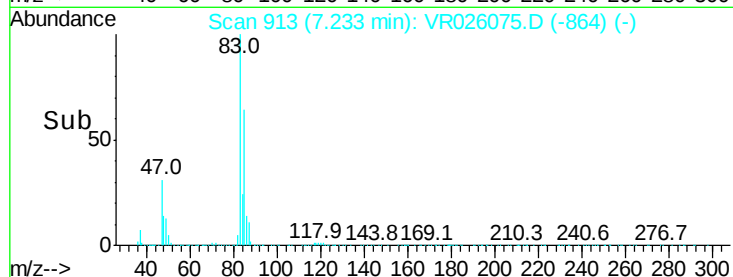
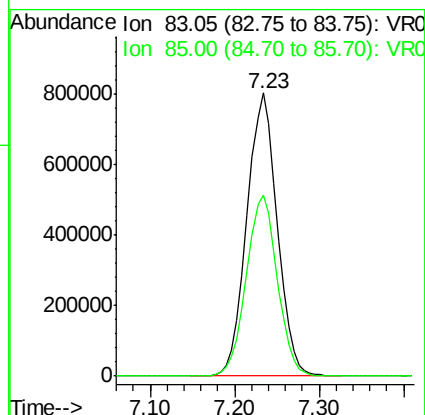
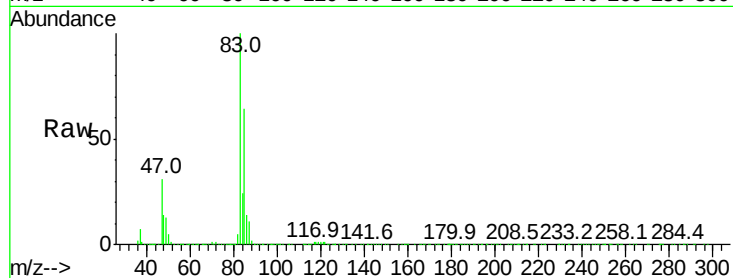




#25
Chloroform
Concen: 22.420 ug/L
RT: 7.23 min Scan# 913
Delta R.T. 0.00 min
Lab File: VR026075.D
Acq: 15 Oct 2018 15:32

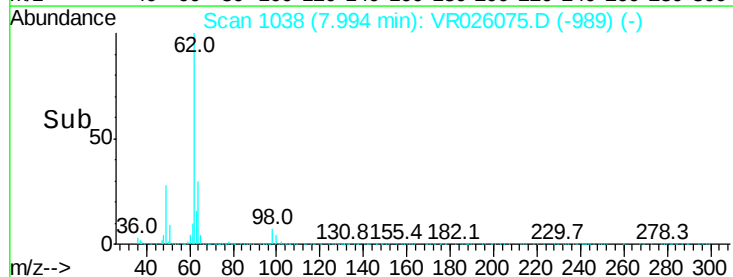
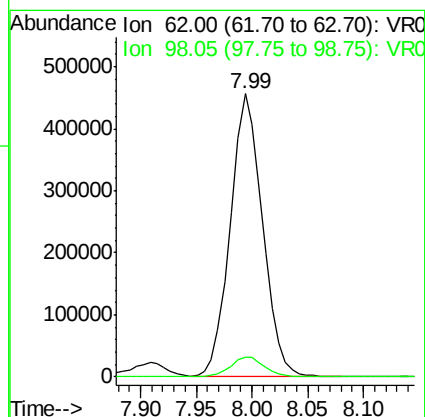
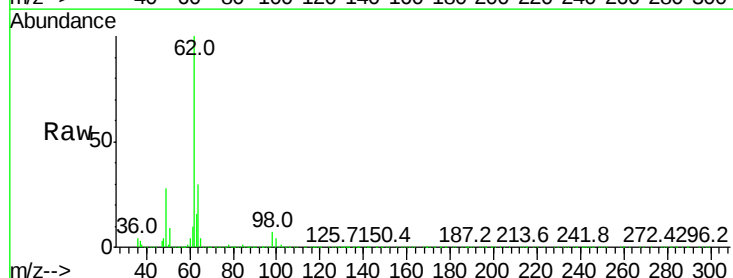
Instrument :
MSVOA_R
ClientSampleId :
VSTD02085

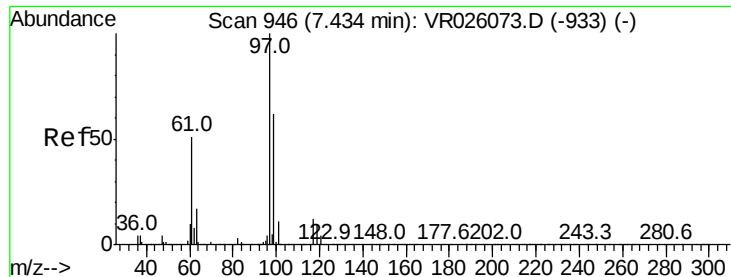
Tgt Ion: 83 Resp: 1956772
Ion Ratio Lower Upper
83 100
85 64.1 43.5 80.7



#27
1,2-Dichloroethane
Concen: 20.896 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VR026075.D
Acq: 15 Oct 2018 15:32

Tgt Ion: 62 Resp: 910053
Ion Ratio Lower Upper
62 100
98 7.2 5.6 8.4



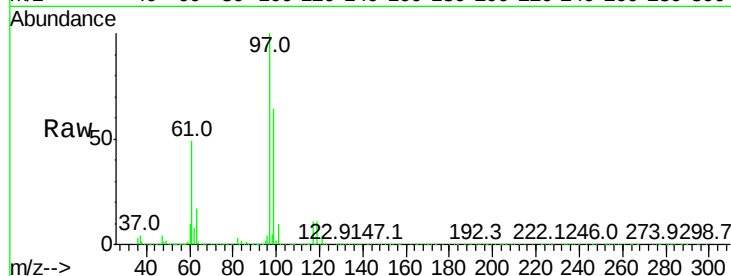


#29
 1,1,1-Trichloroethane
 Concen: 23.690 ug/L
 RT: 7.43 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VR026075.D
 Acq: 15 Oct 2018 15:32

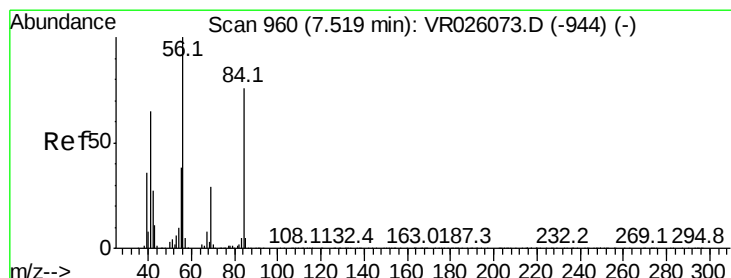
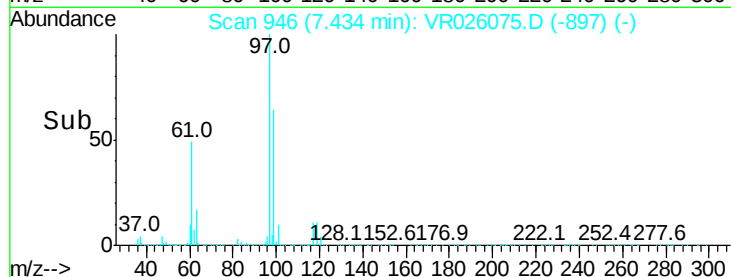
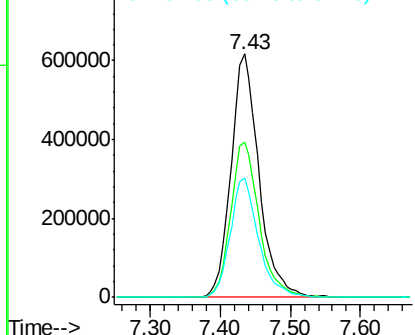
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02085

Tgt Ion: 97 Resp: 1714205

Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.1	76.7
61	49.7	42.1	63.1



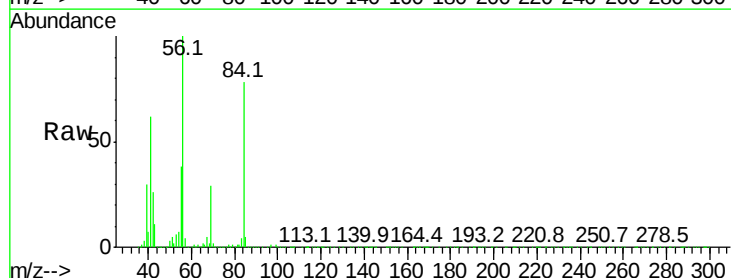
Abundance Ion 96.95 (96.65 to 97.65): VR0
 Ion 99.05 (98.75 to 99.75): VR0
 Ion 61.05 (60.75 to 61.75): VR0



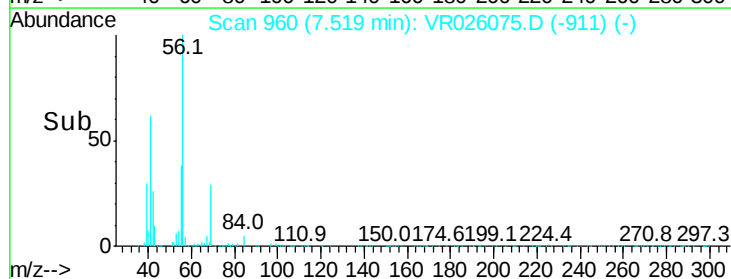
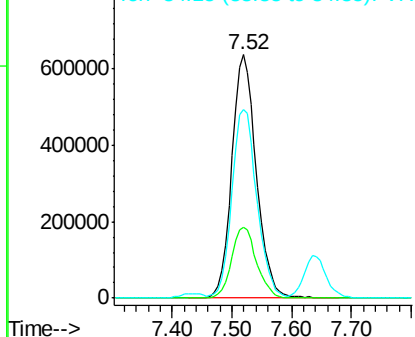
#30
 Cyclohexane
 Concen: 20.055 ug/L
 RT: 7.52 min Scan# 960
 Delta R.T. 0.00 min
 Lab File: VR026075.D
 Acq: 15 Oct 2018 15:32

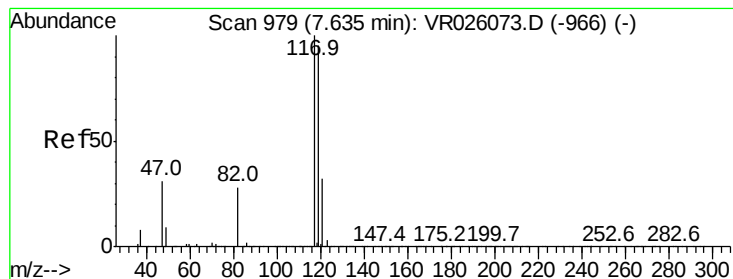
Tgt Ion: 56 Resp: 1813207

Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.8	35.8
84	79.0	62.2	93.4



Abundance Ion 56.10 (55.80 to 56.80): VR0
 Ion 69.15 (68.85 to 69.85): VR0
 Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 24.711 ug/L

RT: 7.64 min Scan# 980

Delta R.T. 0.01 min

Lab File: VR026075.D

Acq: 15 Oct 2018 15:32

Instrument :

MSVOA_R

ClientSampleId :

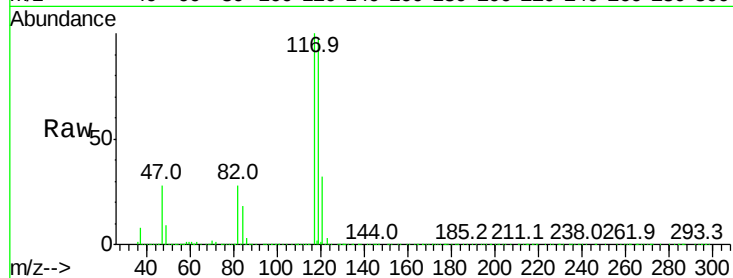
VSTD02085

Tgt Ion:117 Resp: 1548457

Ion Ratio Lower Upper

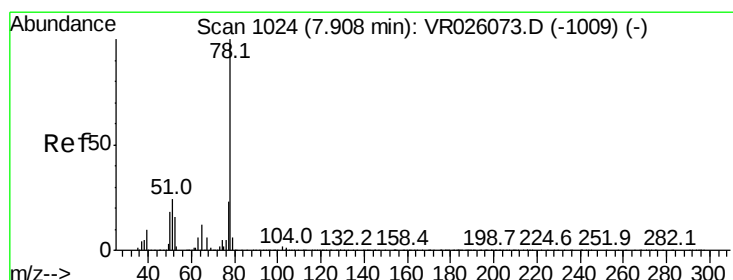
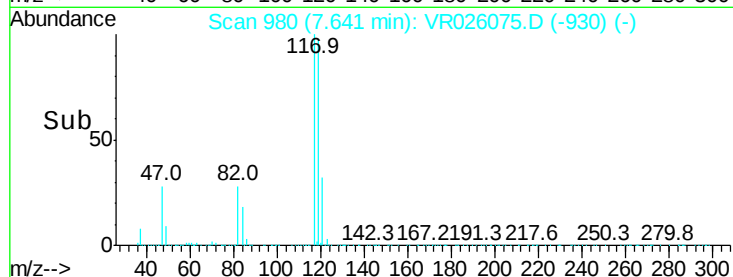
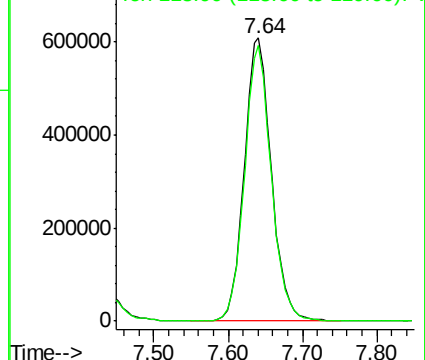
117 100

119 95.9 74.2 111.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 22.059 ug/L

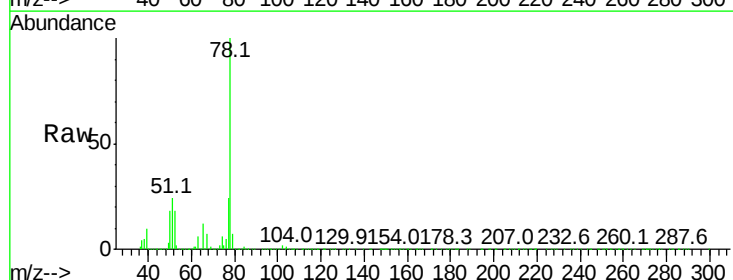
RT: 7.91 min Scan# 1024

Delta R.T. 0.00 min

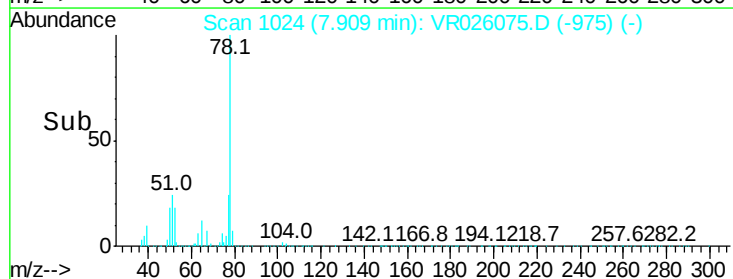
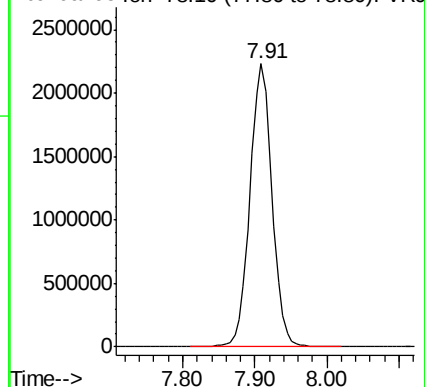
Lab File: VR026075.D

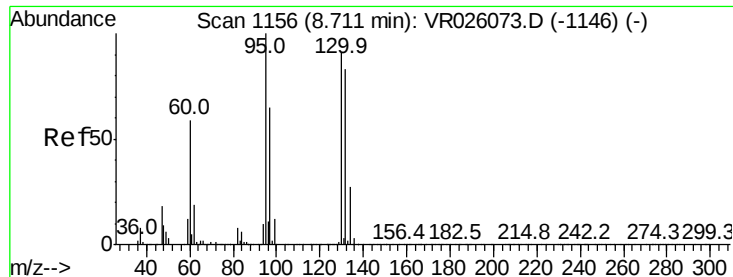
Acq: 15 Oct 2018 15:32

Tgt Ion: 78 Resp: 4760838



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 21.537 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VR026075.D

Acq: 15 Oct 2018 15:32

Instrument :

MSVOA_R

ClientSampleId :

VSTD02085

Tgt Ion: 95 Resp: 1224760

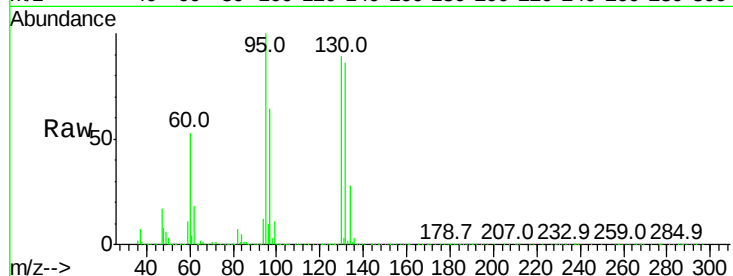
Ion Ratio Lower Upper

95 100

97 63.8 45.7 84.9

132 85.6 58.3 108.3

130 89.2 64.0 119.0

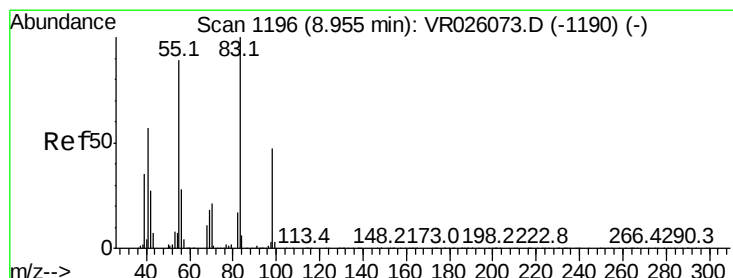
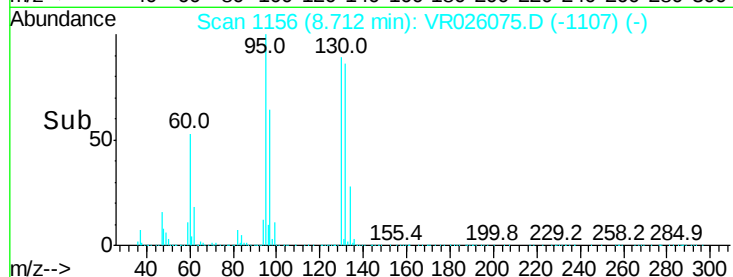
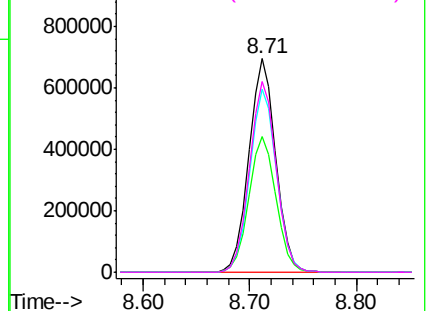


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 22.585 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. 0.00 min

Lab File: VR026075.D

Acq: 15 Oct 2018 15:32

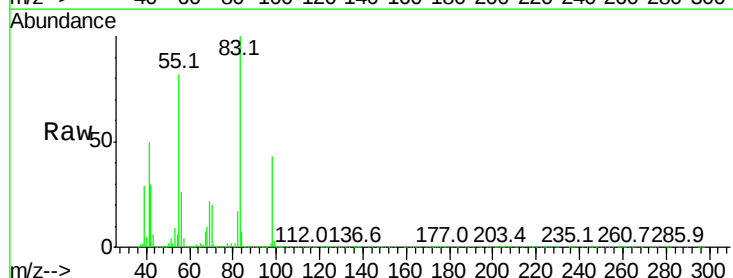
Tgt Ion: 83 Resp: 1931151

Ion Ratio Lower Upper

83 100

55 83.0 66.8 100.2

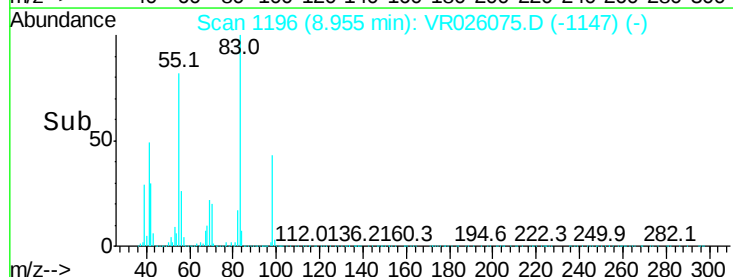
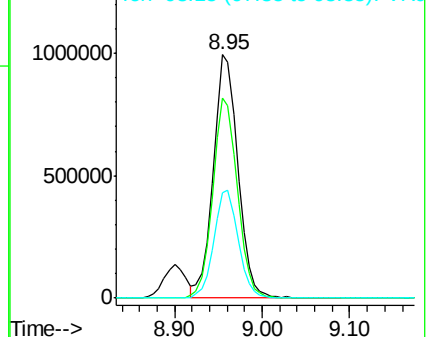
98 44.1 35.2 52.8

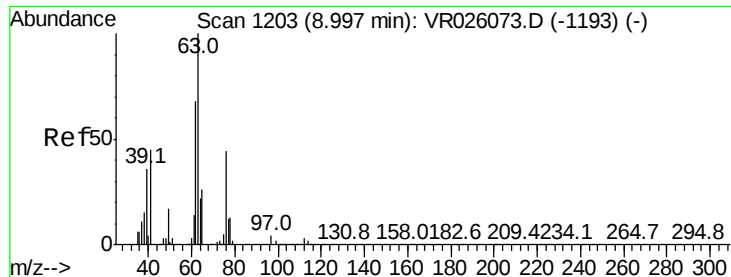


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 21.145 ug/L

RT: 9.00 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VR026075.D

Acq: 15 Oct 2018 15:32

Instrument :

MSVOA_R

ClientSampleId :

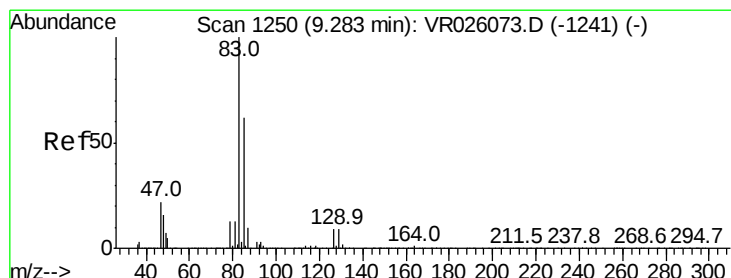
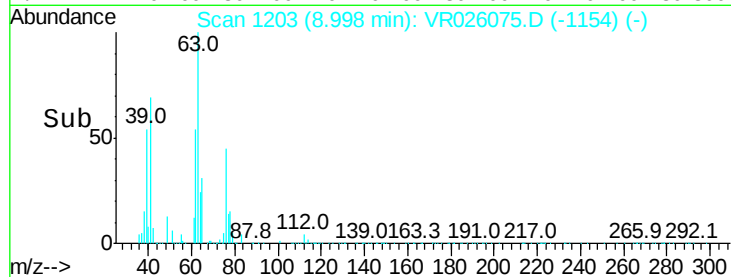
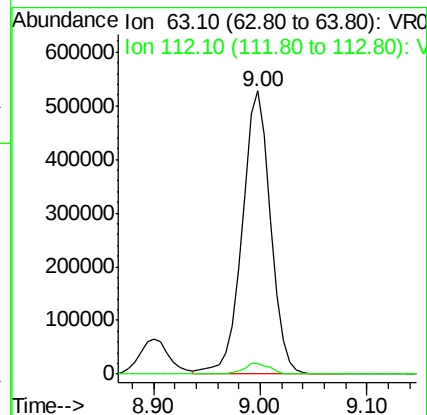
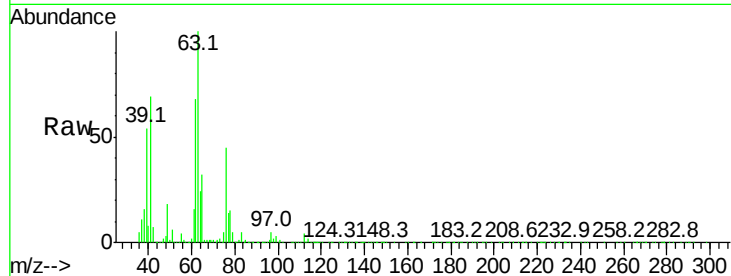
VSTD02085

Tgt Ion: 63 Resp: 979048

Ion Ratio Lower Upper

63 100

112 3.6 2.7 4.1



#38

Bromodichloromethane

Concen: 22.467 ug/L

RT: 9.28 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VR026075.D

Acq: 15 Oct 2018 15:32

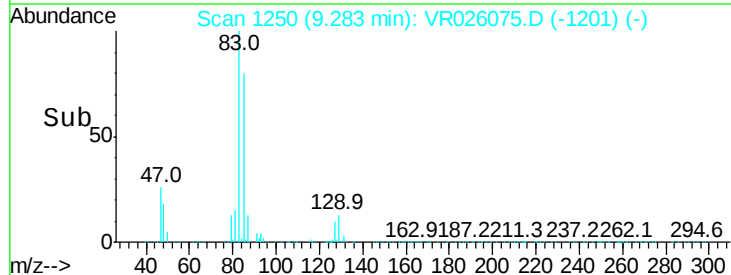
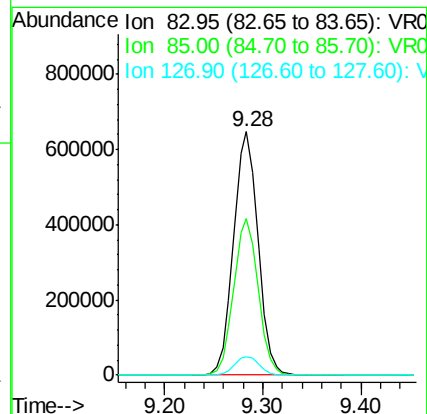
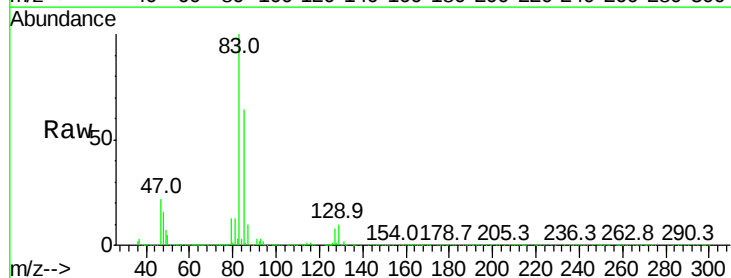
Tgt Ion: 83 Resp: 1122325

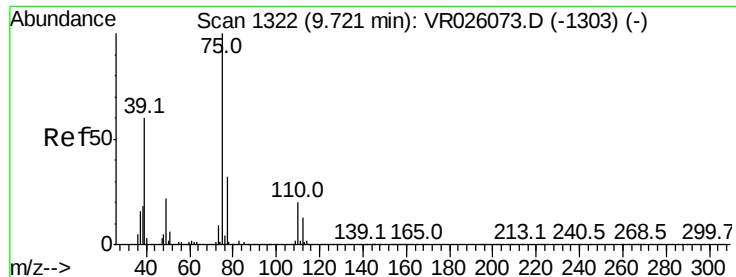
Ion Ratio Lower Upper

83 100

85 64.3 43.5 80.7

127 7.7 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 24.694 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VR026075.D

Acq: 15 Oct 2018 15:32

Instrument :

MSVOA_R

ClientSampleId :

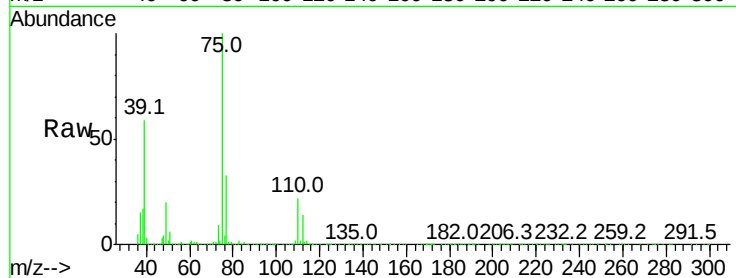
VSTD02085

Tgt Ion: 75 Resp: 1281954

Ion Ratio Lower Upper

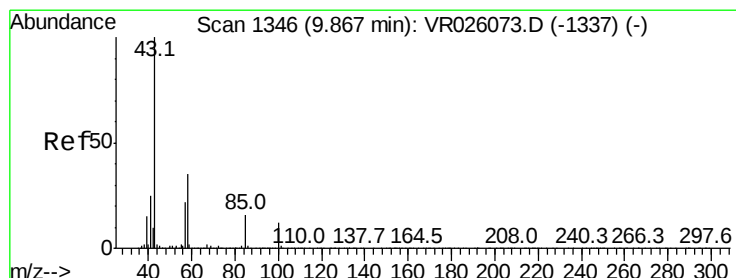
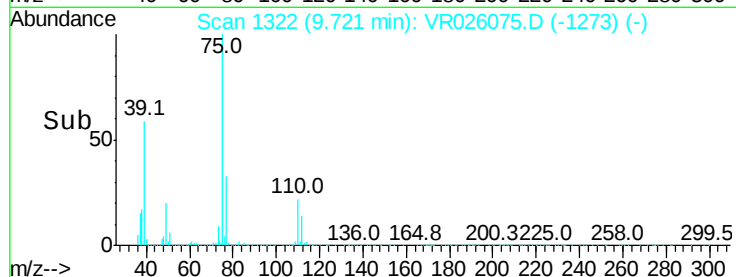
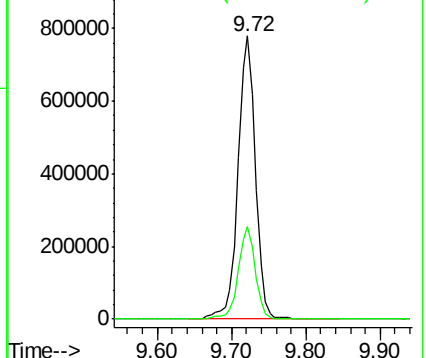
75 100

77 32.7 22.7 42.1



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0



#40

4-Methyl-2-pentanone

Concen: 202.302 ug/L

RT: 9.87 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VR026075.D

Acq: 15 Oct 2018 15:32

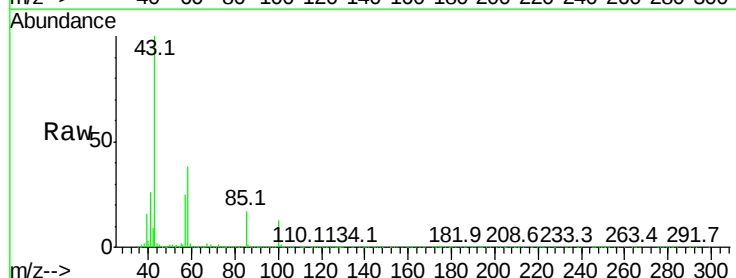
Tgt Ion: 43 Resp: 3293593

Ion Ratio Lower Upper

43 100

58 36.6 28.1 42.1

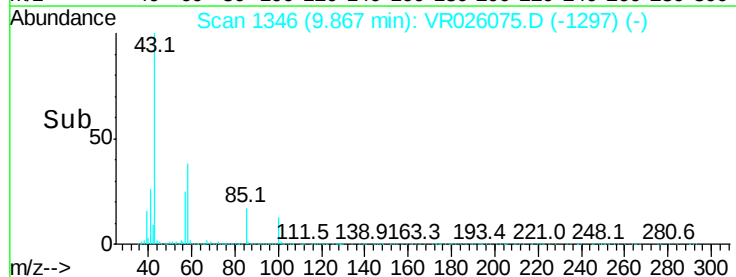
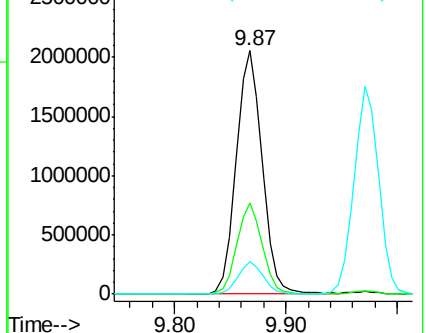
100 12.9 9.3 13.9

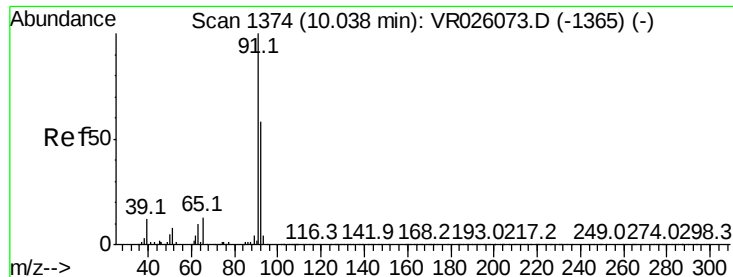


Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0





#42

Toluene

Concen: 22.934 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.00 min

Lab File: VR026075.D

Acq: 15 Oct 2018 15:32

Instrument :

MSVOA_R

ClientSampleId :

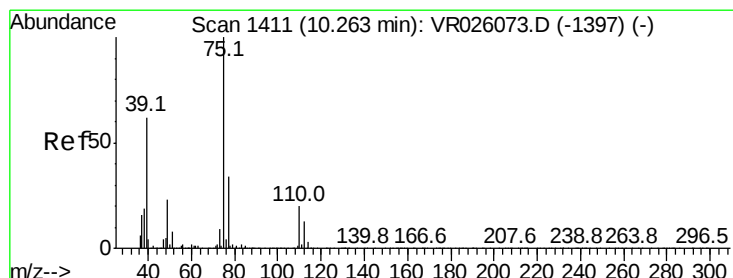
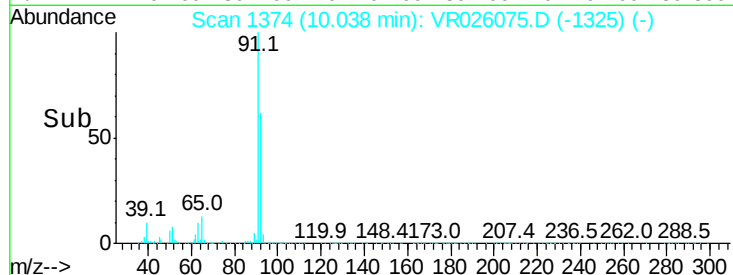
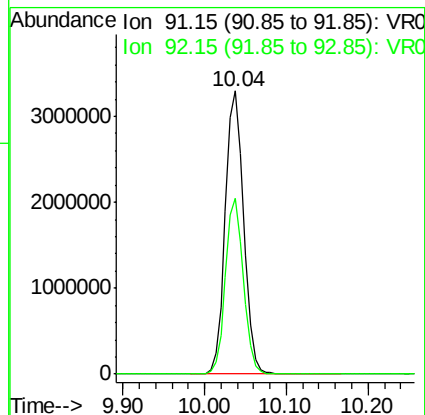
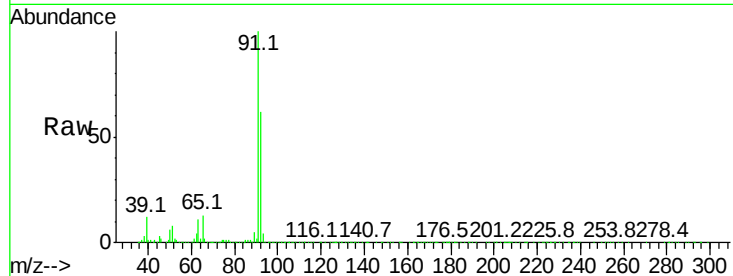
VSTD02085

Tgt Ion: 91 Resp: 5143301

Ion Ratio Lower Upper

91 100

92 62.2 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 27.187 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR026075.D

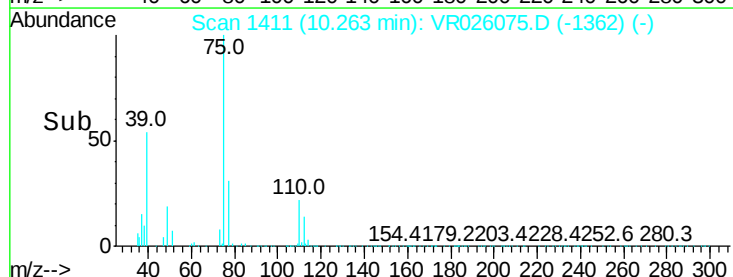
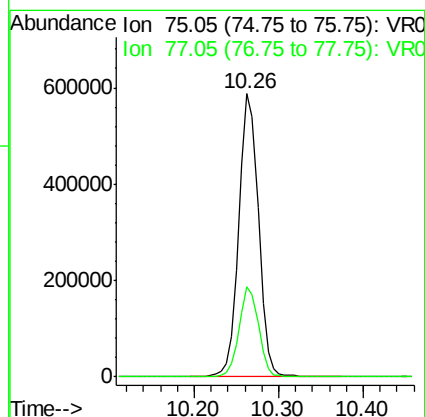
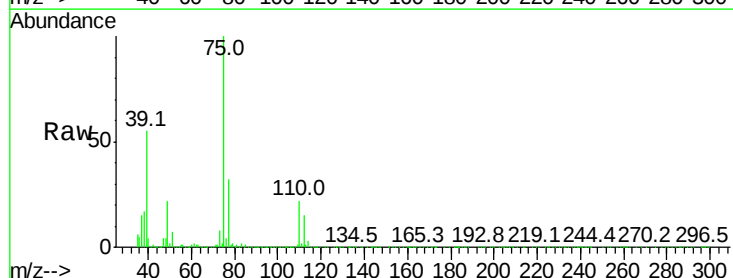
Acq: 15 Oct 2018 15:32

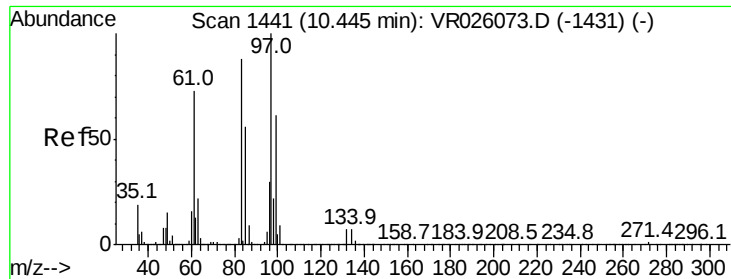
Tgt Ion: 75 Resp: 921495

Ion Ratio Lower Upper

75 100

77 31.7 24.1 44.7

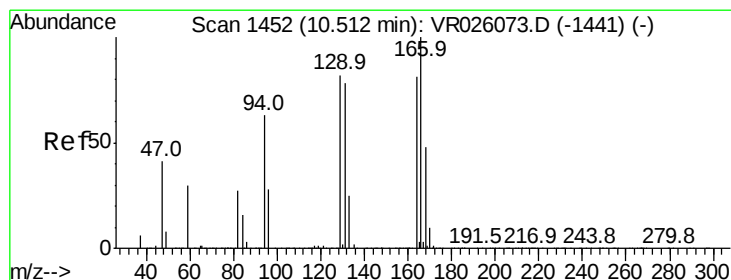
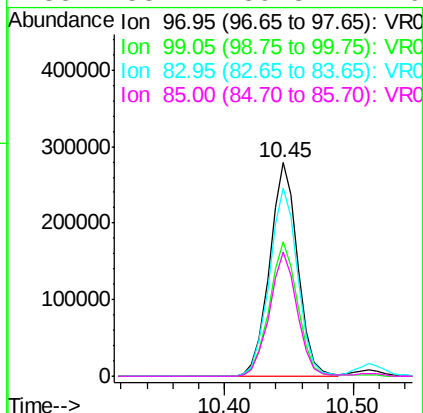
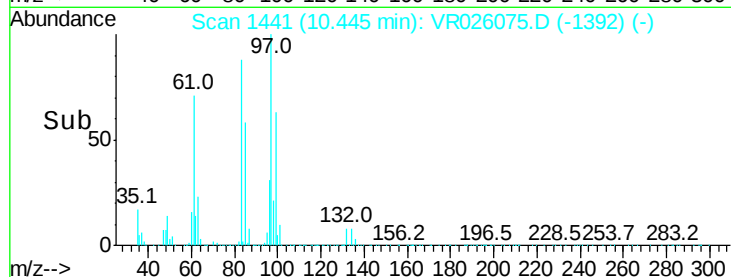
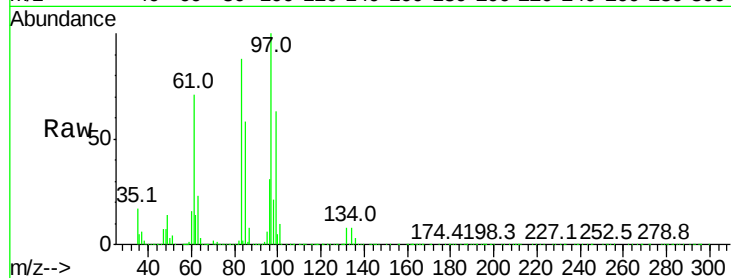




#45
 1,1,2-Trichloroethane
 Concen: 20.150 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VR026075.D
 Acq: 15 Oct 2018 15:32

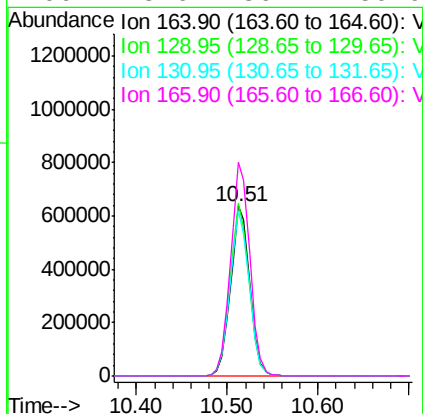
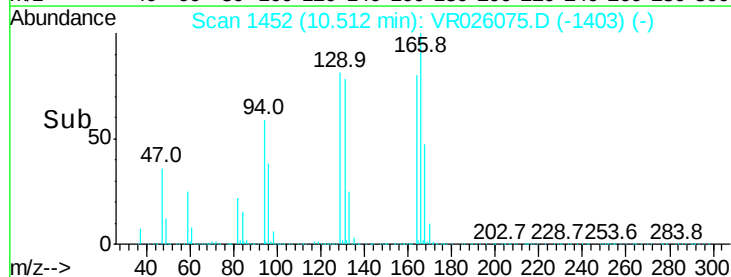
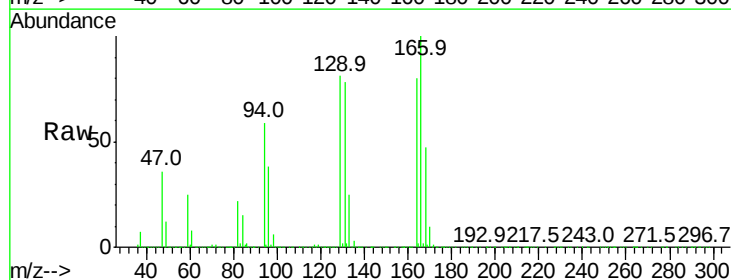
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02085

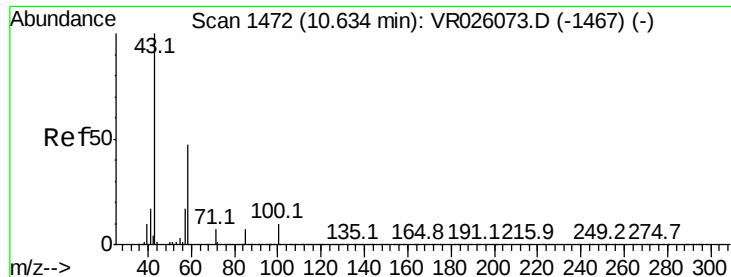
Tgt Ion:	97	Resp:	422008
Ion	Ratio	Lower	Upper
97	100		
99	62.8	42.8	79.4
83	88.1	61.9	114.9
85	58.4	39.3	72.9



#47
 Tetrachloroethene
 Concen: 26.397 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: VR026075.D
 Acq: 15 Oct 2018 15:32

Tgt Ion:	164	Resp:	924990
Ion	Ratio	Lower	Upper
164	100		
129	101.6	70.3	130.5
131	97.4	67.3	125.1
166	125.6	86.1	159.9



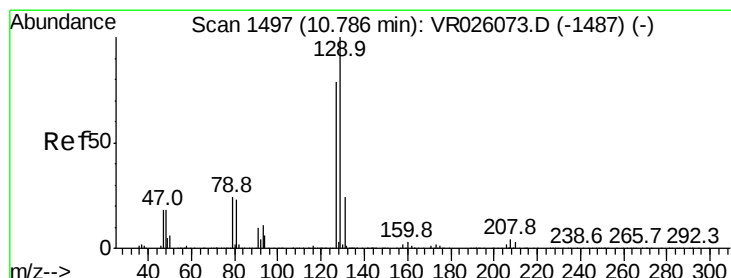
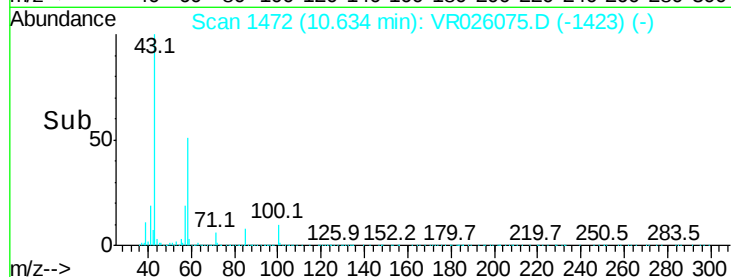
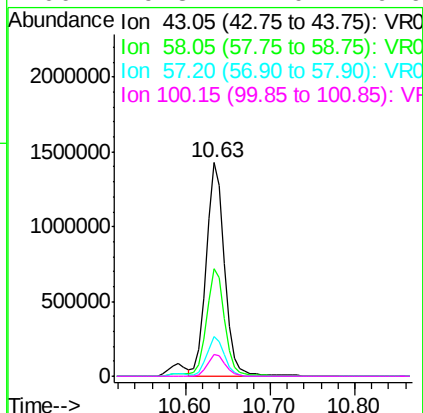
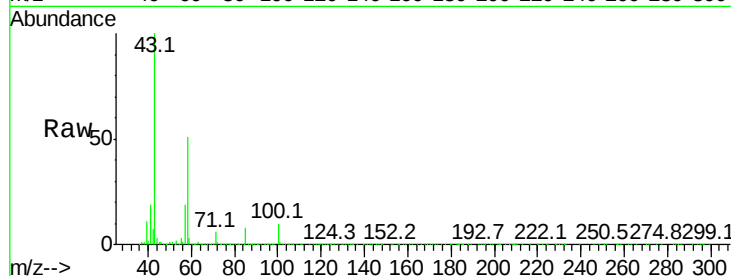


#48
2-Hexanone
Concen: 201.640 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR026075.D
Acq: 15 Oct 2018 15:32

Instrument :
MSVOA_R
ClientSampleId :
VSTD02085

Tgt Ion: 43 Resp: 2149354

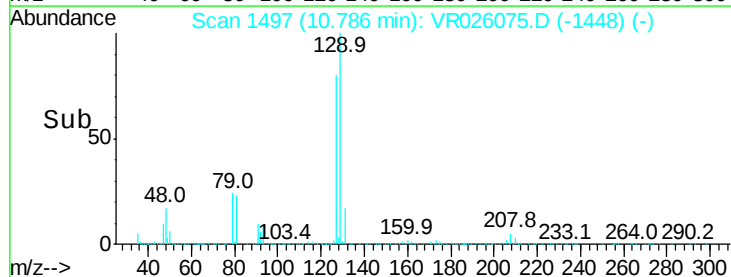
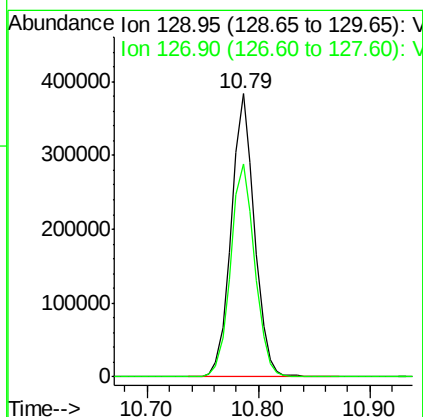
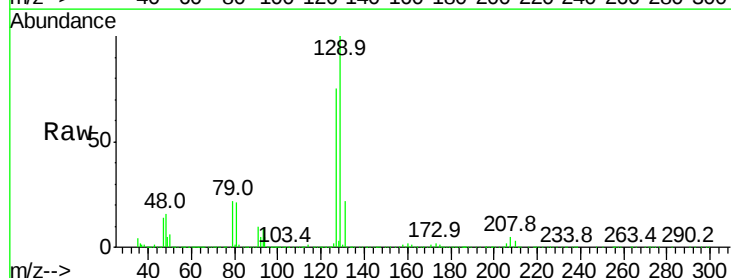
Ion	Ratio	Lower	Upper
43	100		
58	51.2	39.6	59.4
57	17.4	14.0	21.0
100	9.8	7.0	10.6

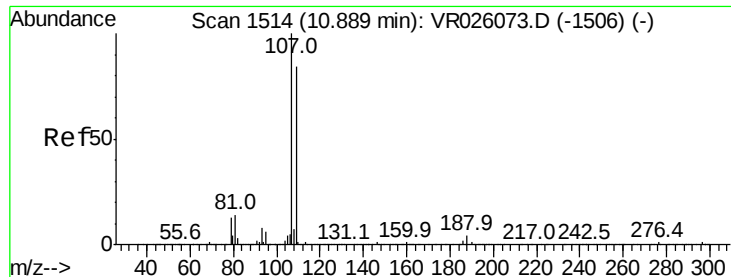


#49
Dibromochloromethane
Concen: 25.967 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VR026075.D
Acq: 15 Oct 2018 15:32

Tgt Ion: 129 Resp: 551889

Ion	Ratio	Lower	Upper
129	100		
127	75.4	55.0	102.2

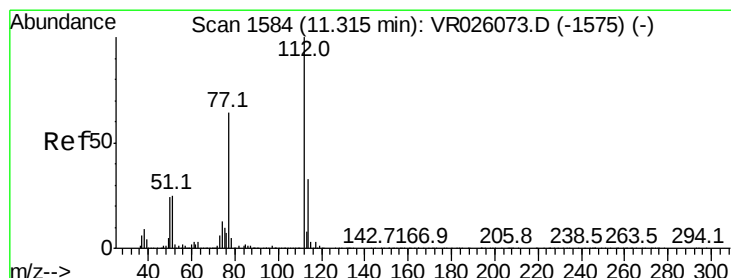
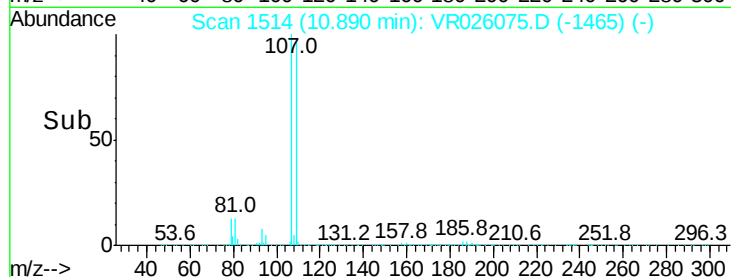
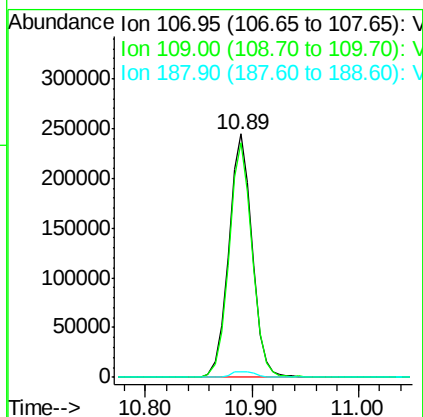
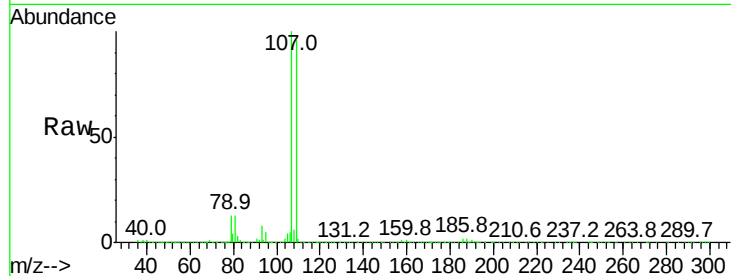




#50
1,2-Dibromoethane
Concen: 22.632 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VR026075.D
Acq: 15 Oct 2018 15:32

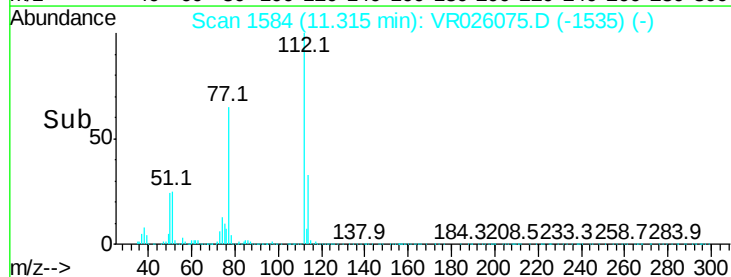
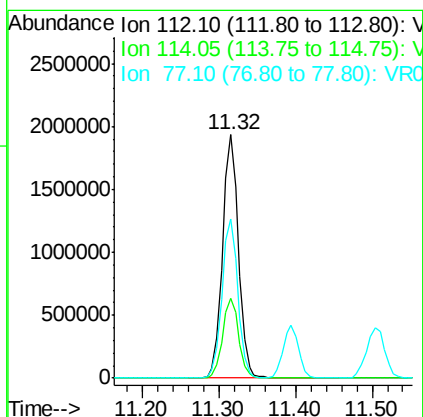
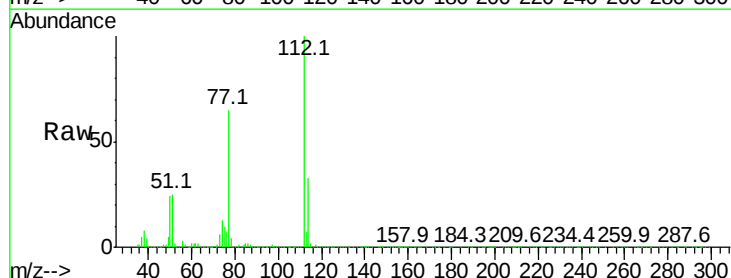
Instrument :
MSVOA_R
ClientSampleId :
VSTD02085

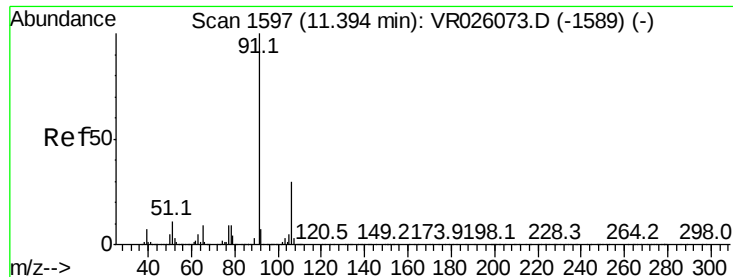
Tgt Ion:107 Resp: 373982
Ion Ratio Lower Upper
107 100
109 96.4 58.7 109.1
188 2.6 2.9 4.3#



#51
Chlorobenzene
Concen: 23.338 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VR026075.D
Acq: 15 Oct 2018 15:32

Tgt Ion:112 Resp: 2776216
Ion Ratio Lower Upper
112 100
114 33.0 22.8 42.4
77 65.5 51.5 77.3





#52

Ethylbenzene

Concen: 22.377 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR026075.D

Acq: 15 Oct 2018 15:32

Instrument :

MSVOA_R

ClientSampleId :

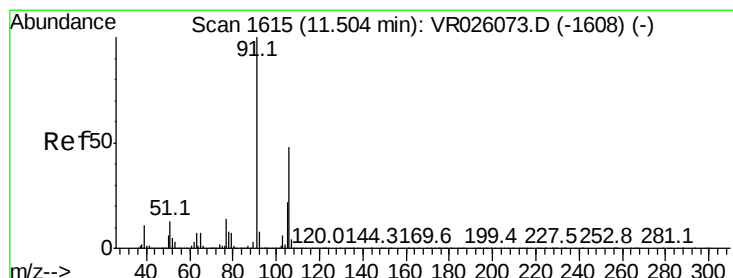
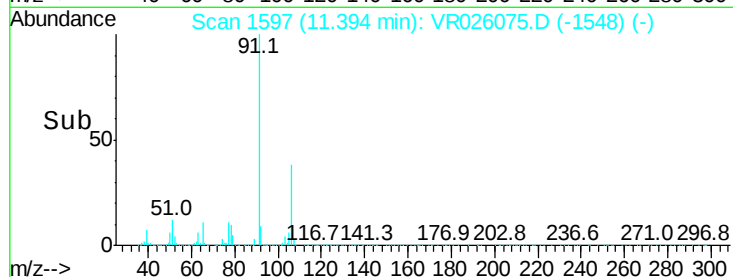
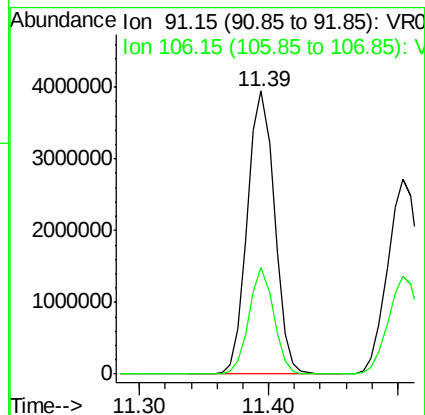
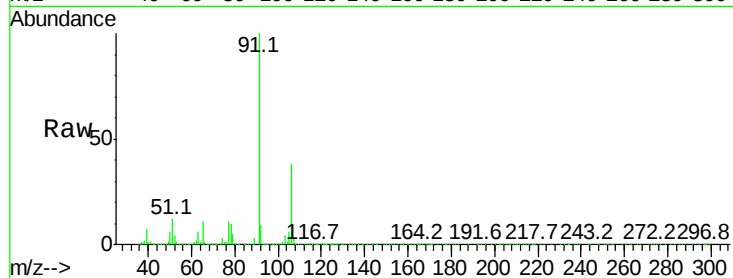
VSTD02085

Tgt Ion: 91 Resp: 5727907

Ion Ratio Lower Upper

91 100

106 37.7 21.2 39.4



#53

m,p-Xylene

Concen: 25.223 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR026075.D

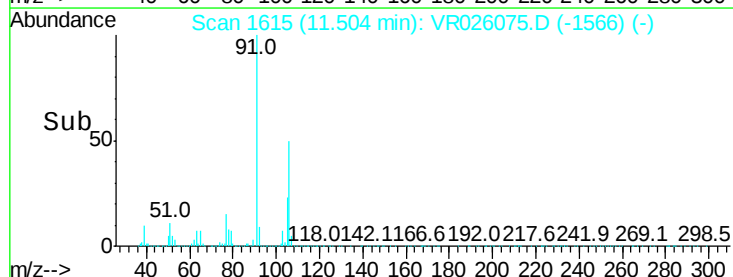
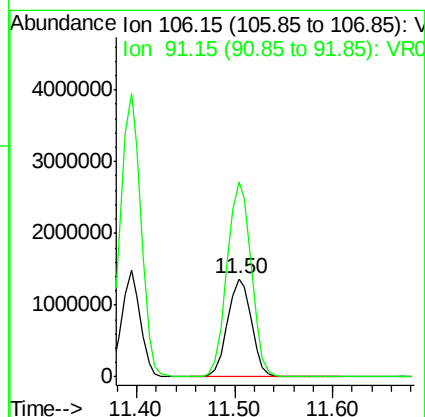
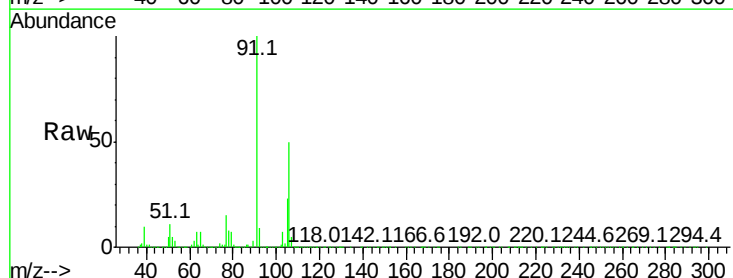
Acq: 15 Oct 2018 15:32

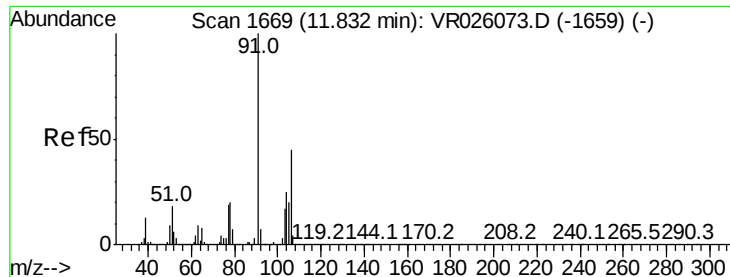
Tgt Ion: 106 Resp: 2298464

Ion Ratio Lower Upper

106 100

91 199.7 145.3 269.8

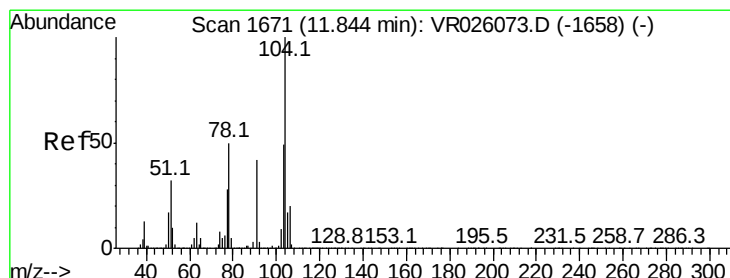
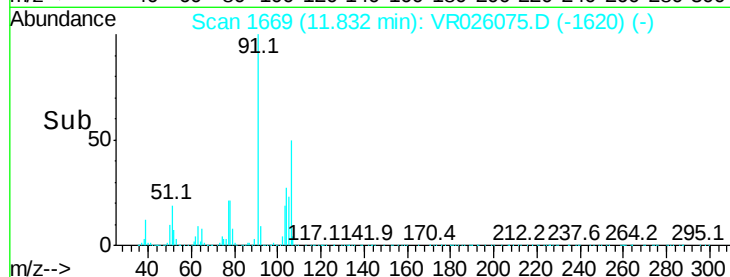
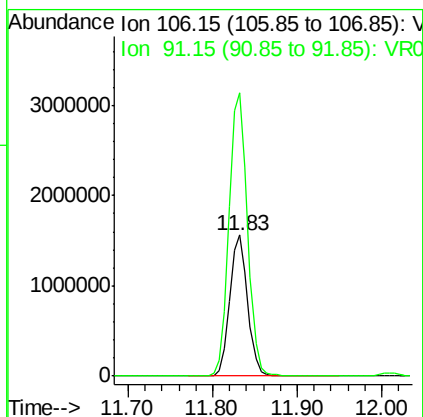
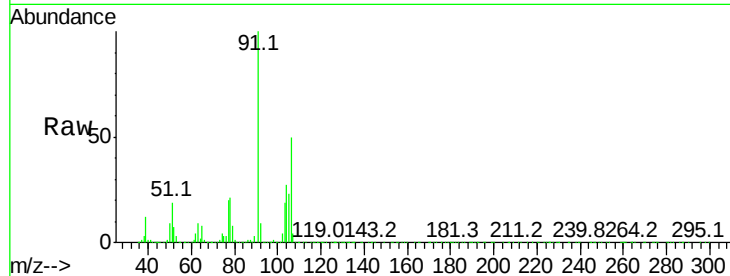




#54
o-Xylene
Concen: 26.456 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.00 min
Lab File: VR026075.D
Acq: 15 Oct 2018 15:32

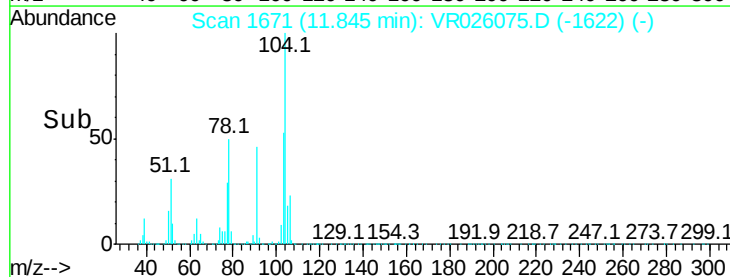
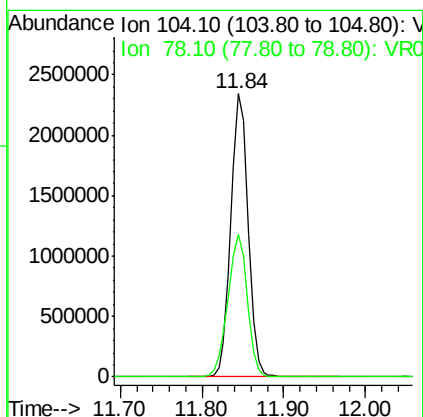
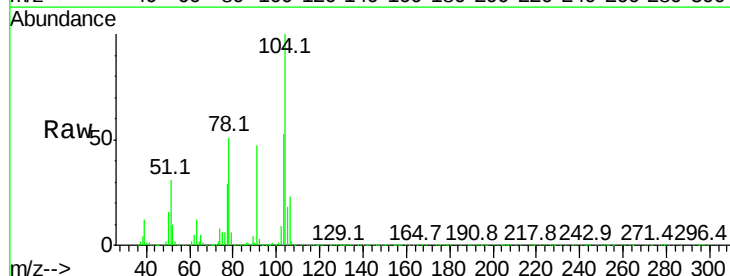
Instrument :
MSVOA_R
ClientSampleId :
VSTD02085

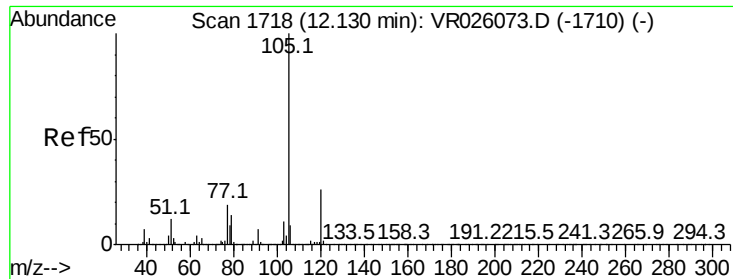
Tgt Ion:106 Resp: 2244163
Ion Ratio Lower Upper
106 100
91 200.5 155.8 289.3



#55
Styrene
Concen: 25.735 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026075.D
Acq: 15 Oct 2018 15:32

Tgt Ion:104 Resp: 3397623
Ion Ratio Lower Upper
104 100
78 50.5 34.7 64.5





#56

Isopropylbenzene

Concen: 23.819 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026075.D

Acq: 15 Oct 2018 15:32

Instrument :

MSVOA_R

ClientSampleId :

VSTD02085

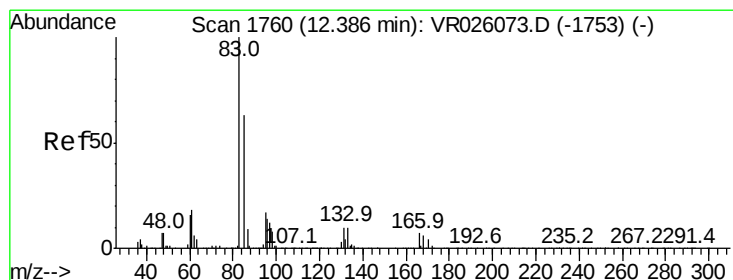
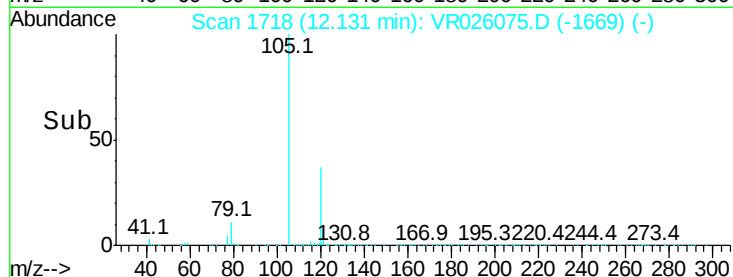
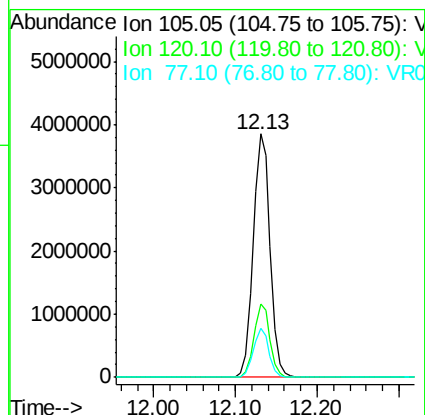
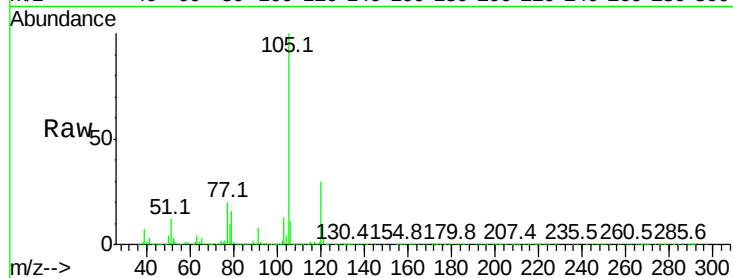
Tgt Ion:105 Resp: 5572668

Ion Ratio Lower Upper

105 100

120 28.6 21.0 31.4

77 18.9 14.6 21.8



#58

1,1,2,2-Tetrachloroethane

Concen: 19.405 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VR026075.D

Acq: 15 Oct 2018 15:32

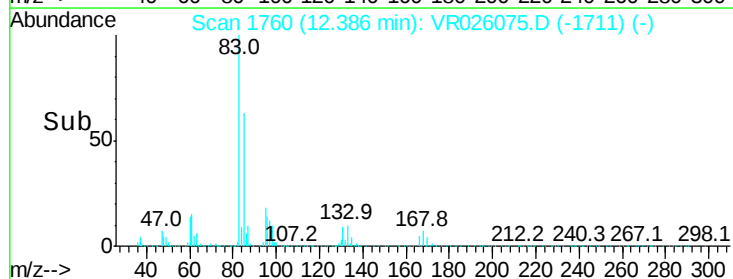
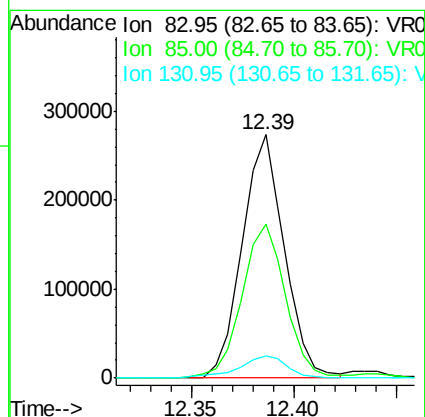
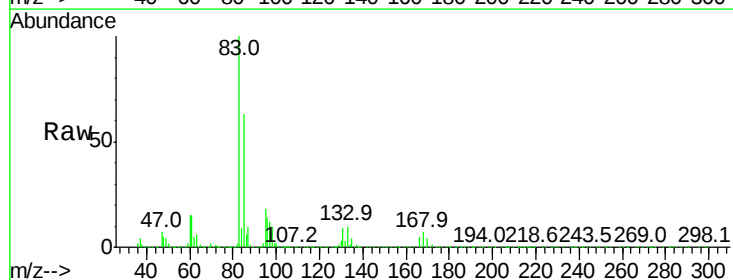
Tgt Ion: 83 Resp: 391568

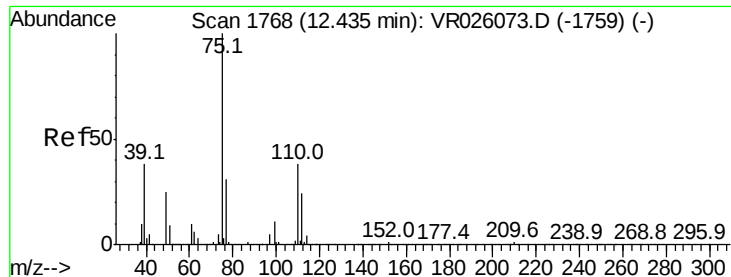
Ion Ratio Lower Upper

83 100

85 63.1 44.0 81.8

131 9.4 8.0 12.0





#59

1,2,3-Trichloropropane

Concen: 19.350 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VR026075.D

Acq: 15 Oct 2018 15:32

Instrument :

MSVOA_R

ClientSampleId :

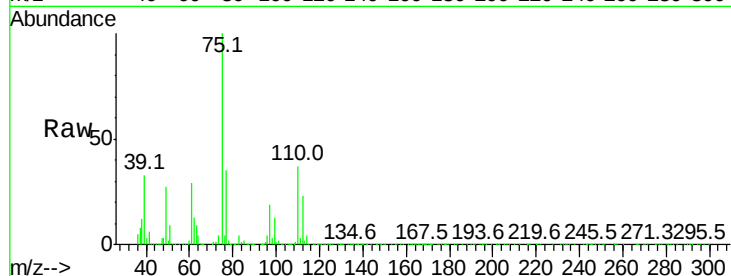
VSTD02085

Tgt Ion: 75 Resp: 290602

Ion Ratio Lower Upper

75 100

77 32.7 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VR0

Ion 77.00 (76.70 to 77.70): VR0

12.43

200000

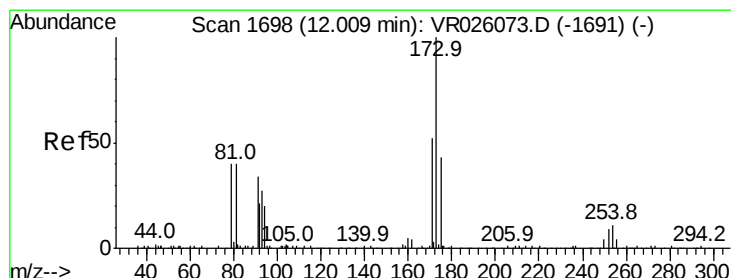
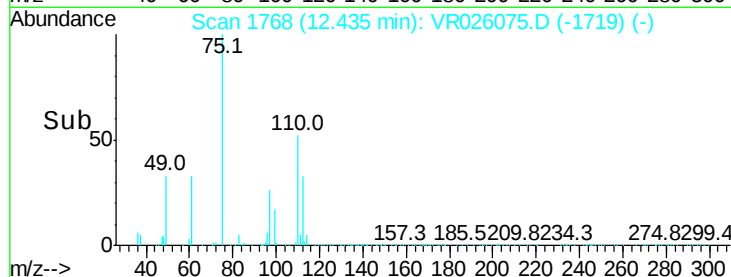
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 26.663 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR026075.D

Acq: 15 Oct 2018 15:32

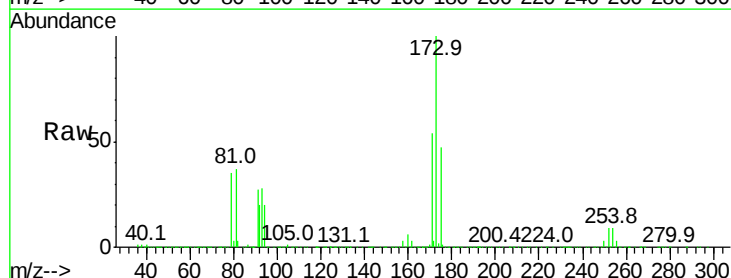
Tgt Ion: 173 Resp: 205224

Ion Ratio Lower Upper

173 100

175 48.0 39.0 58.4

254 9.2 8.1 12.1



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V

12.01

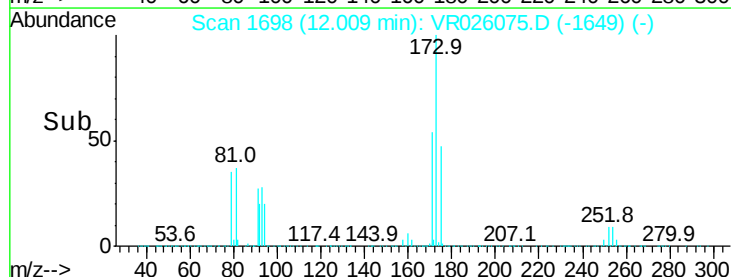
150000

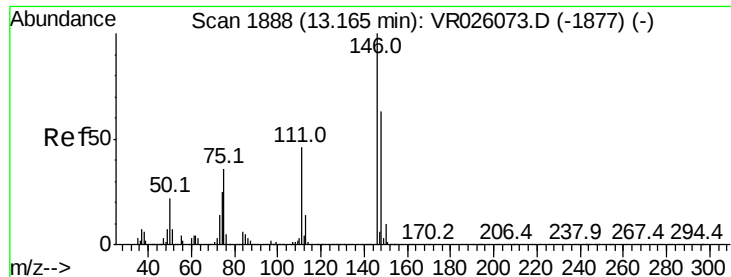
100000

50000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 23.261 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VR026075.D

Acq: 15 Oct 2018 15:32

Instrument :

MSVOA_R

ClientSampleId :

VSTD02085

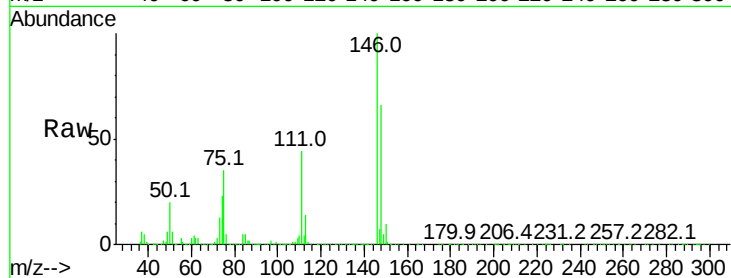
Tgt Ion:146 Resp: 1730945

Ion Ratio Lower Upper

146 100

111 43.5 32.1 59.7

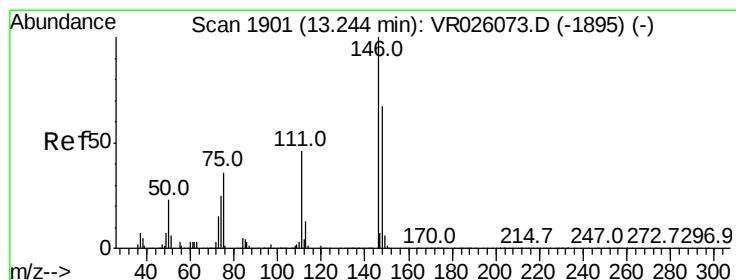
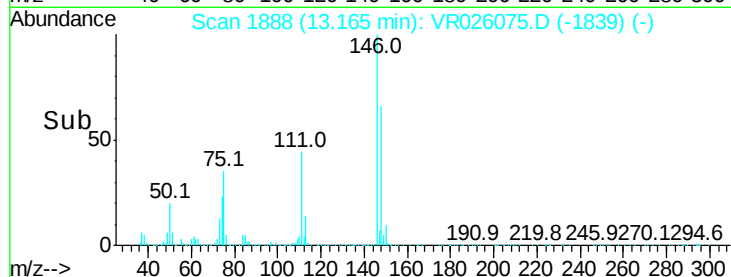
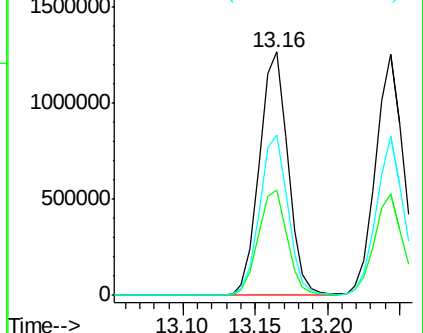
148 66.1 43.8 81.3



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: 22.088 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VR026075.D

Acq: 15 Oct 2018 15:32

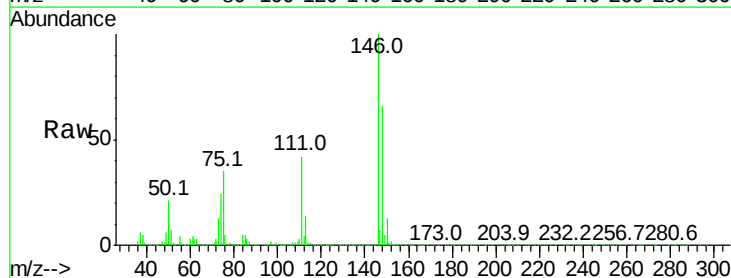
Tgt Ion:146 Resp: 1681422

Ion Ratio Lower Upper

146 100

111 42.3 32.6 60.6

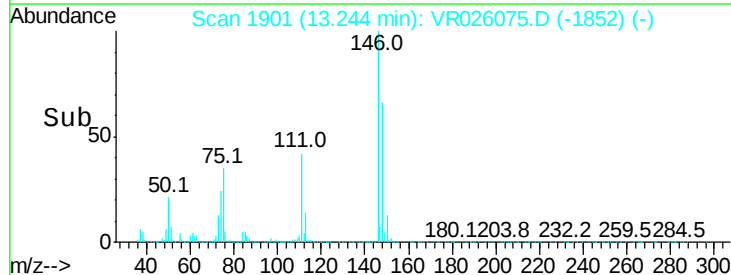
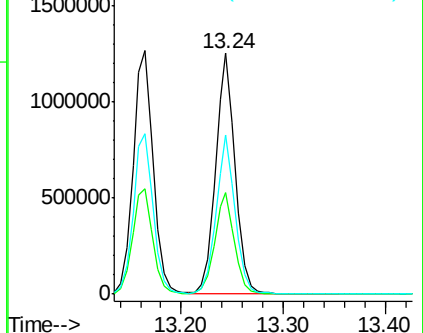
148 65.9 46.7 86.7

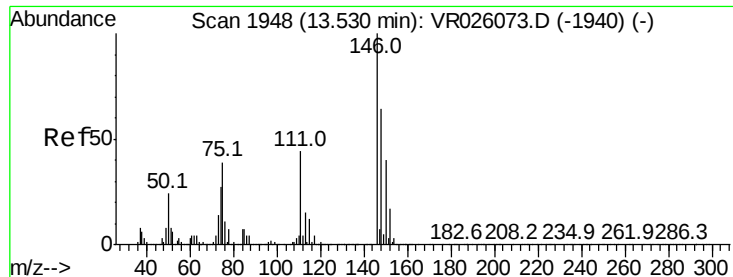


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 22.847 ug/L

RT: 13.53 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VR026075.D

Acq: 15 Oct 2018 15:32

Instrument :

MSVOA_R

ClientSampleId :

VSTD02085

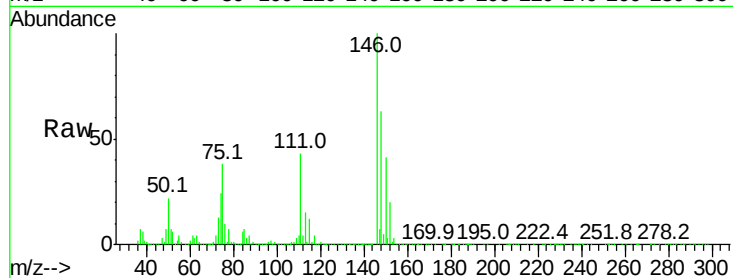
Tgt Ion:146 Resp: 1365992

Ion Ratio Lower Upper

146 100

111 42.9 35.2 52.8

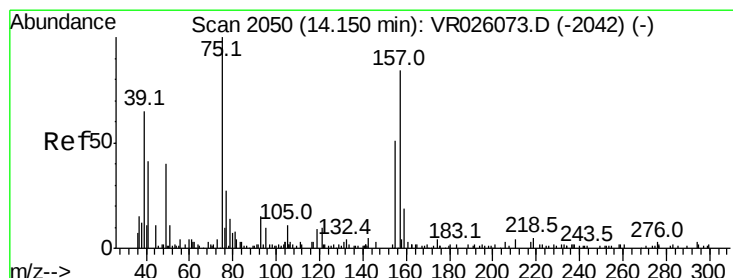
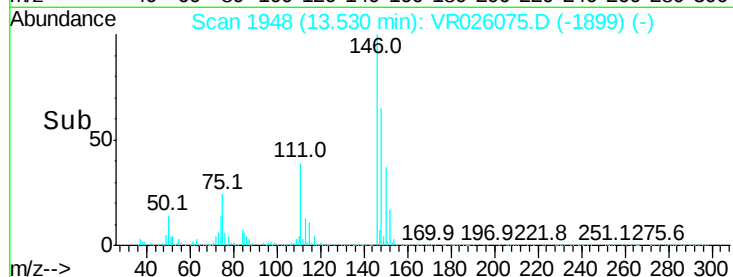
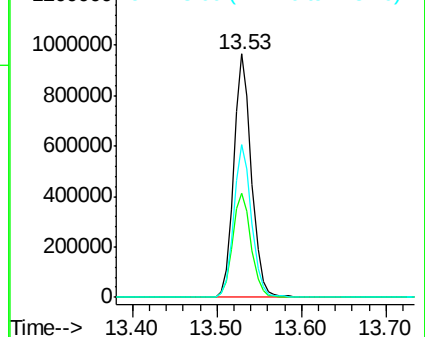
148 62.9 51.2 76.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 17.328 ug/L

RT: 14.14 min Scan# 2049

Delta R.T. -0.01 min

Lab File: VR026075.D

Acq: 15 Oct 2018 15:32

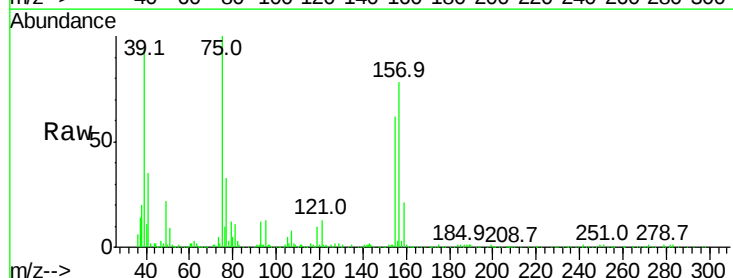
Tgt Ion: 75 Resp: 43562

Ion Ratio Lower Upper

75 100

155 62.3 40.9 61.3#

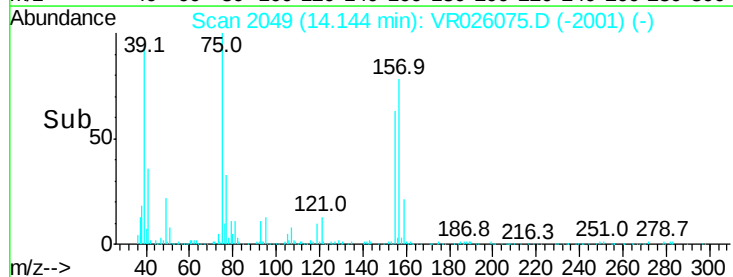
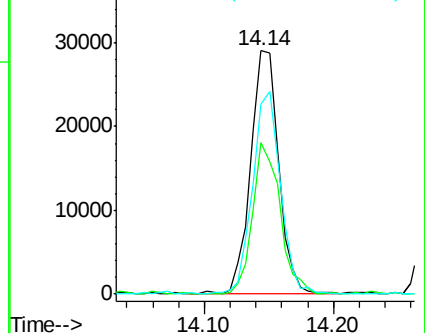
157 77.9 67.3 100.9

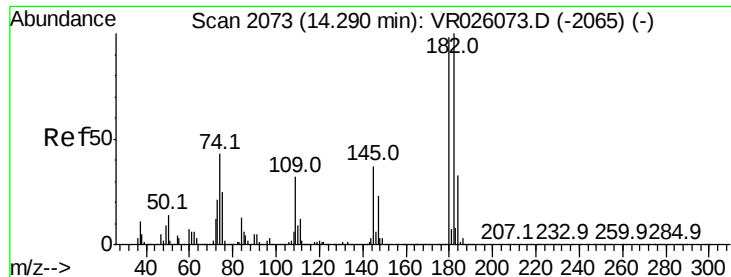


Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

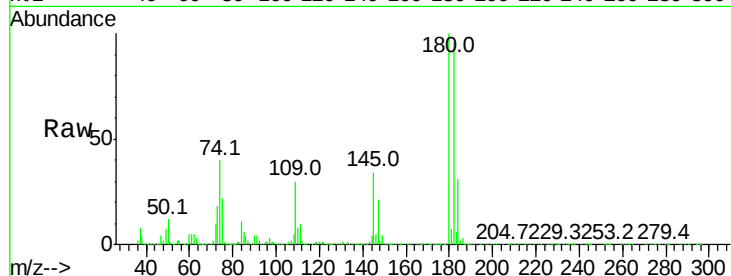




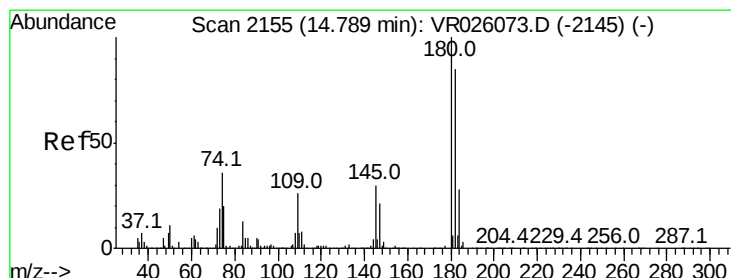
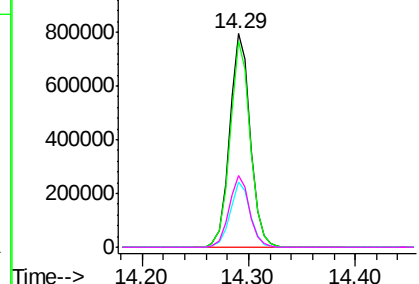
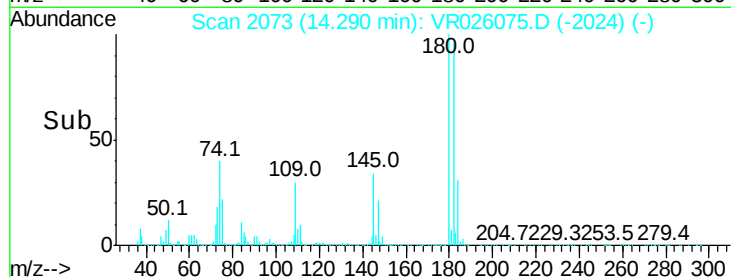
#67
 1,3,5-Trichlorobenzene
 Concen: 24.097 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR026075.D
 Acq: 15 Oct 2018 15:32

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02085

Tgt Ion:180 Resp: 1068142
 Ion Ratio Lower Upper
 180 100
 182 94.8 77.5 116.3
 184 30.0 25.0 37.4
 145 33.3 27.6 41.4

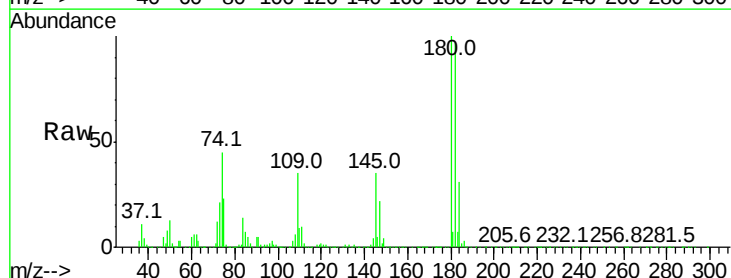


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

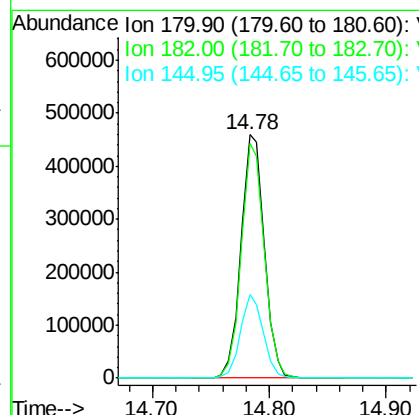
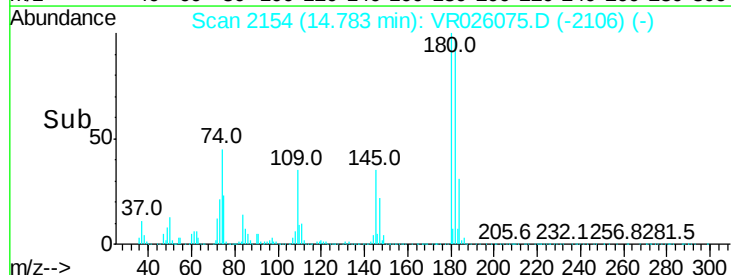


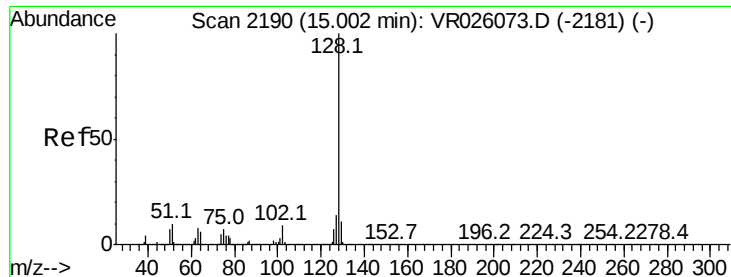
#68
 1,2,4-trichlorobenzene
 Concen: 22.675 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.01 min
 Lab File: VR026075.D
 Acq: 15 Oct 2018 15:32

Tgt Ion:180 Resp: 640693
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.1 114.1
 145 33.5 28.2 42.4



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 19.530 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR026075.D

Acq: 15 Oct 2018 15:32

Instrument :

MSVOA_R

ClientSampleId :

VSTD02085

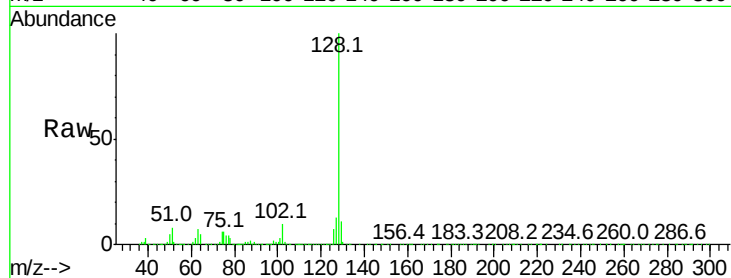
Tgt Ion:128 Resp: 704271

Ion Ratio Lower Upper

128 100

127 12.9 11.0 16.6

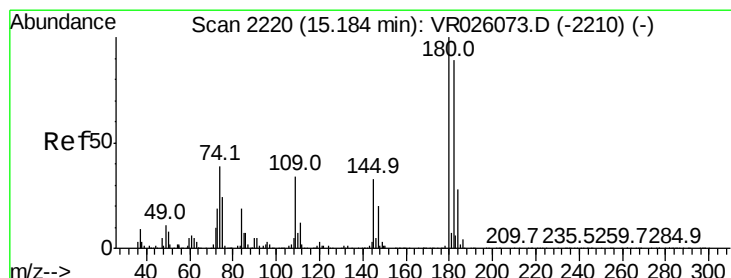
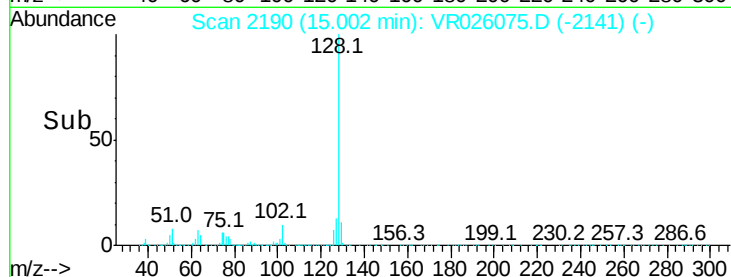
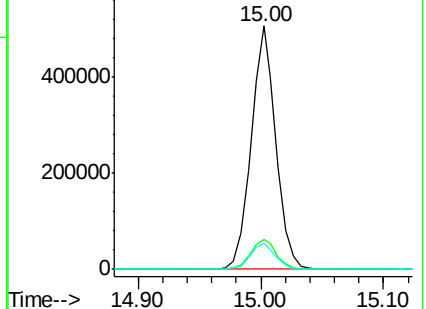
129 10.9 9.1 13.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 22.079 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.01 min

Lab File: VR026075.D

Acq: 15 Oct 2018 15:32

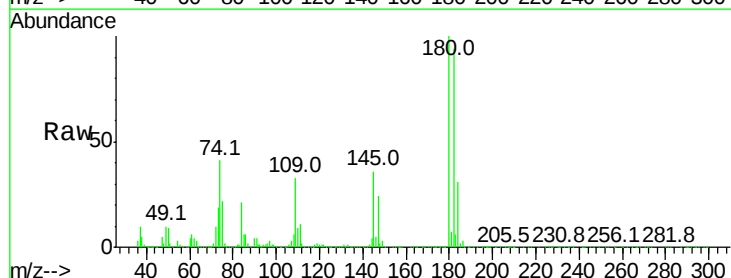
Tgt Ion:180 Resp: 432833

Ion Ratio Lower Upper

180 100

182 93.8 75.7 113.5

145 36.4 28.8 43.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

