

Data File : VR026257.D
Acq On : 21 Nov 2018 12:43
Operator : SY/MD
Sample : VSTD00598
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00598

Quant Time: Nov 21 13:43:14 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112118WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 21 12:16:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	547696	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	469553	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	187765	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	226985	5.44	ug/L	0.00
7) Chloroethane-d5	2.63	69	194471	5.19	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.63	63	539932	5.10	ug/L	0.02
20) 2-Butanone-d5	6.59	46	187852	48.57	ug/L	0.00
24) Chloroform-d	7.20	84	387619	4.74	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.90	65	157615	4.95	ug/L	0.00
32) Benzene-d6	7.85	84	782736	4.80	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	200687	4.89	ug/L	0.00
41) Toluene-d8	9.97	98	759373	5.01	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	51919	4.64	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	135622	52.23	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	79574	4.76	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	149142	4.61	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	166426	4.340	ug/L	94
3) Chloromethane	2.02	50	236558	4.802	ug/L	96
5) Vinyl chloride	2.17	62	242470	5.006	ug/L	90
6) Bromomethane	2.53	94	157836	4.868	ug/L	97
8) Chloroethane	2.66	64	147257	4.860	ug/L	98
9) Trichlorofluoromethane	2.93	101	136443	1.855	ug/L #	40
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	206483	4.888	ug/L	98
12) 1,1-Dichloroethene	3.64	96	222624	4.844	ug/L #	78
13) Acetone	3.70	43	170027	58.475	ug/L	98
14) Carbon disulfide	3.94	76	552270	4.813	ug/L	98
15) Methyl Acetate	4.19	43	43275	5.129	ug/L	96
16) Methylene chloride	4.41	84	191657	4.664	ug/L	97
17) Methyl tert-butyl Ether	4.89	73	215067	4.525	ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	189975	4.500	ug/L	96
19) 1,1-Dichloroethane	5.69	63	347316	4.584	ug/L	97
21) 2-Butanone	6.69	43	215149	52.560	ug/L	98
22) cis-1,2-Dichloroethene	6.68	96	180514	4.744	ug/L	97
23) Bromochloromethane	7.05	128	51471	4.494	ug/L	90
25) Chloroform	7.23	83	355587	4.326	ug/L	99
27) 1,2-Dichloroethane	7.99	62	157606	4.709	ug/L	100
29) 1,1,1-Trichloroethane	7.43	97	298521	4.496	ug/L	99
30) Cyclohexane	7.52	56	288170	4.880	ug/L	97
31) Carbon tetrachloride	7.64	117	266493	4.416	ug/L	97
33) Benzene	7.91	78	805049	4.692	ug/L	100
34) Trichloroethene	8.71	95	200732	4.417	ug/L	93
35) Methylcyclohexane	8.95	83	298664	4.936	ug/L	99
37) 1,2-Dichloropropane	9.00	63	166530	4.690	ug/L	99
38) Bromodichloromethane	9.28	83	195102	4.707	ug/L	98
39) cis-1,3-Dichloropropene	9.72	75	201476	4.943	ug/L	97

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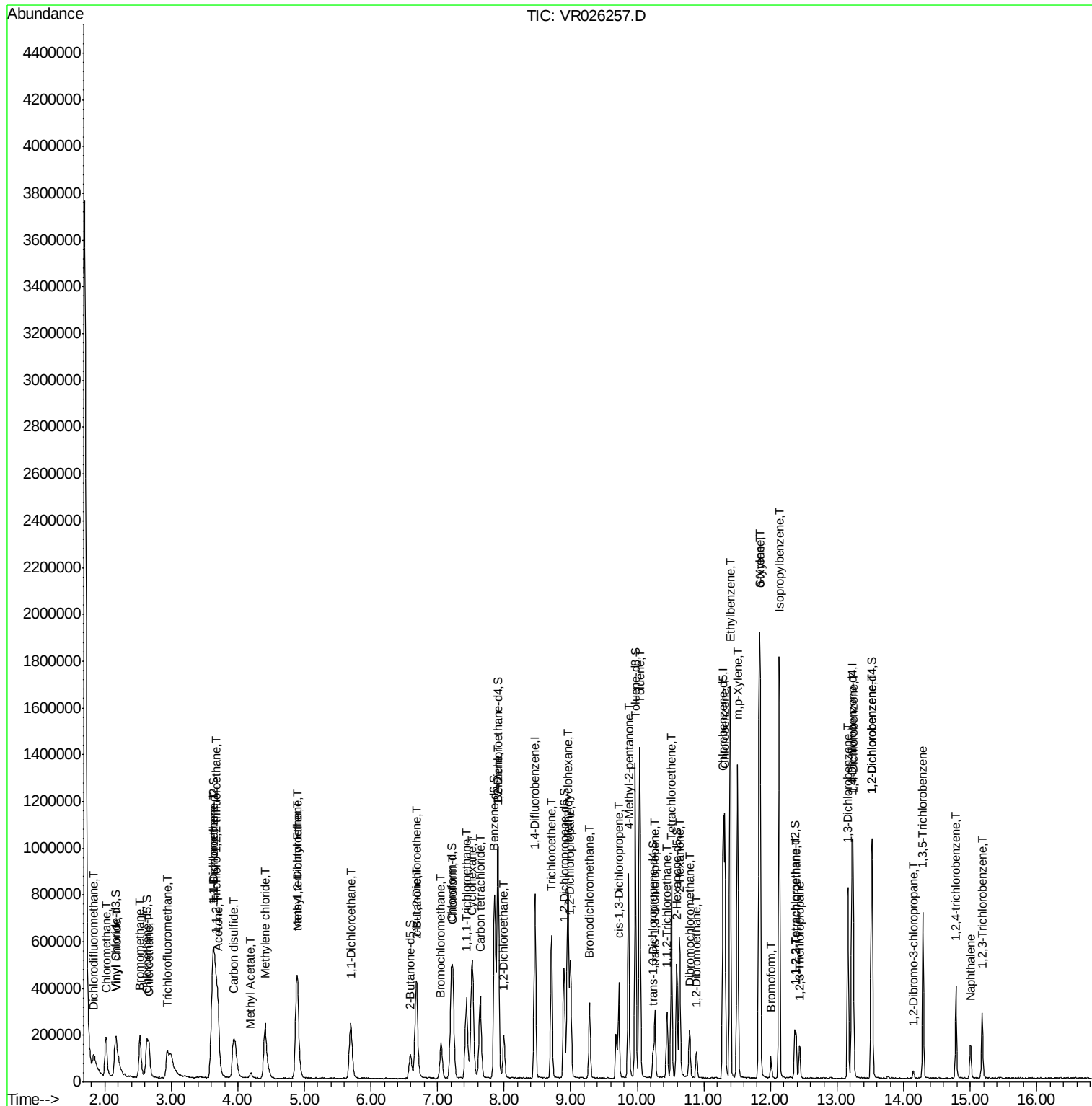
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 4-Methyl-2-pentanone	9.87	43	525047	53.205	ug/L	99
42) Toluene	10.04	91	895681	4.370	ug/L	98
44) trans-1,3-Dichloropropene	10.26	75	130659	4.696	ug/L	100
45) 1,1,2-Trichloroethane	10.45	97	72307	4.732	ug/L	94
47) Tetrachloroethene	10.51	164	147779	4.428	ug/L	97
48) 2-Hexanone	10.63	43	353497	53.332	ug/L	99
49) Dibromochloromethane	10.79	129	87322	4.702	ug/L	97
50) 1,2-Dibromoethane	10.89	107	62497	4.690	ug/L	93
51) Chlorobenzene	11.32	112	470321	4.689	ug/L	98
52) Ethylbenzene	11.39	91	1005767	4.899	ug/L	98
53) m,p-Xylene	11.50	106	374847	4.951	ug/L	95
54) o-Xylene	11.83	106	336203	4.850	ug/L	99
55) Styrene	11.84	104	523974	4.953	ug/L	100
56) Isopropylbenzene	12.13	105	952966	5.018	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	71339	4.796	ug/L #	96
59) 1,2,3-Trichloropropane	12.43	75	52089	4.671	ug/L	98
61) Bromoform	12.01	173	34459	4.786	ug/L	100
62) 1,3-Dichlorobenzene	13.16	146	270853	4.531	ug/L	99
63) 1,4-Dichlorobenzene	13.24	146	282625	4.382	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	229857	4.682	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.14	75	7332	4.467	ug/L	98
67) 1,3,5-Trichlorobenzene	14.29	180	166588	4.304	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	96943	4.429	ug/L	99
69) Naphthalene	15.01	128	96385	4.521	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	72750	4.646	ug/L	99

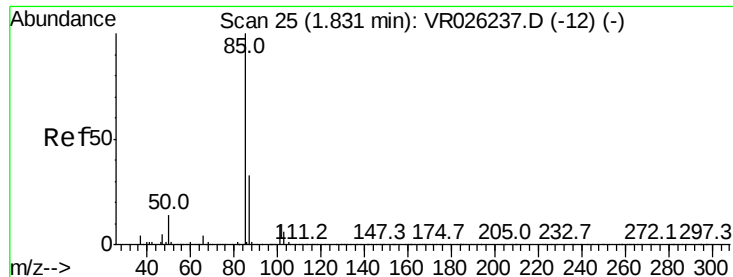
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.340 ug/L

RT: 1.84 min Scan# 27

Delta R.T. 0.01 min

Lab File: VR026257.D

Acq: 21 Nov 2018 12:43

Instrument :

MSVOA_R

ClientSampleId :

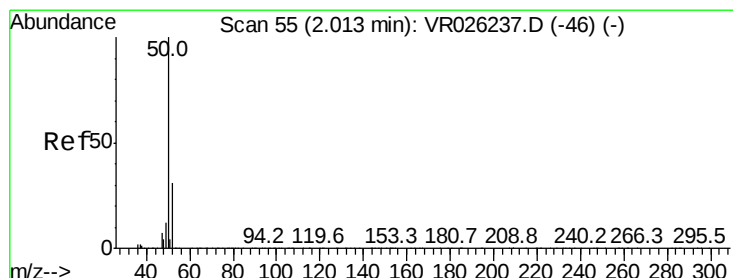
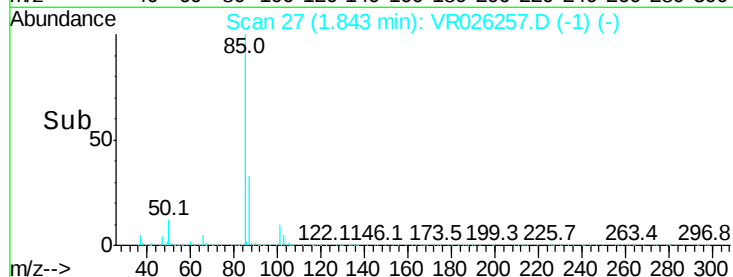
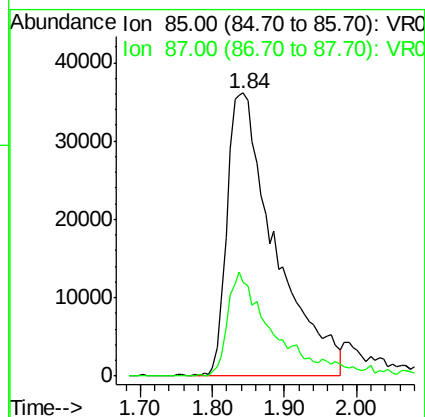
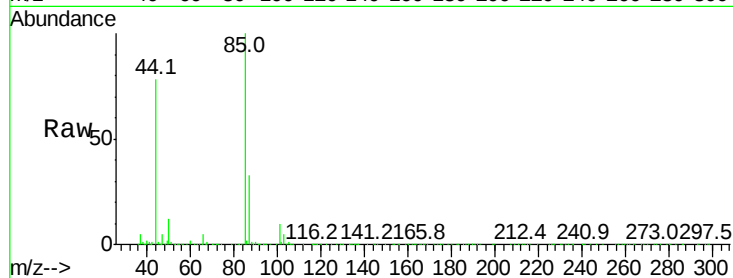
VSTD00598

Tgt Ion: 85 Resp: 166426

Ion Ratio Lower Upper

85 100

87 32.0 23.2 34.8



#3

Chloromethane

Concen: 4.802 ug/L

RT: 2.02 min Scan# 56

Delta R.T. 0.01 min

Lab File: VR026257.D

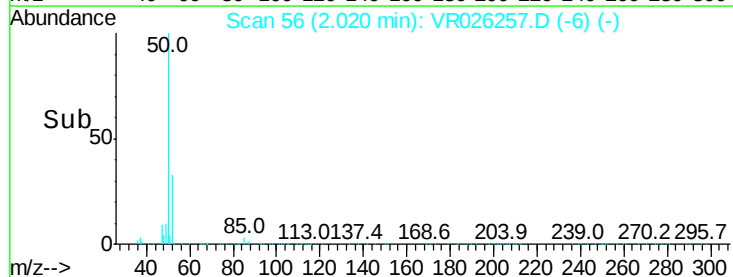
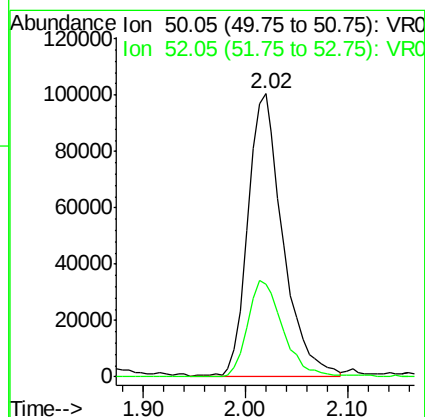
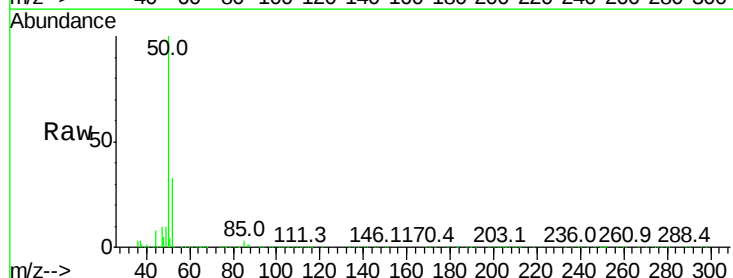
Acq: 21 Nov 2018 12:43

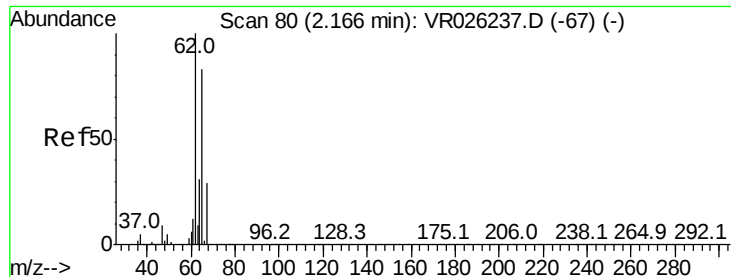
Tgt Ion: 50 Resp: 236558

Ion Ratio Lower Upper

50 100

52 32.9 21.4 39.8





#5

Vinyl chloride

Concen: 5.006 ug/L

RT: 2.17 min Scan# 81

Delta R.T. 0.01 min

Lab File: VR026257.D

Acq: 21 Nov 2018 12:43

Instrument :

MSVOA_R

ClientSampleId :

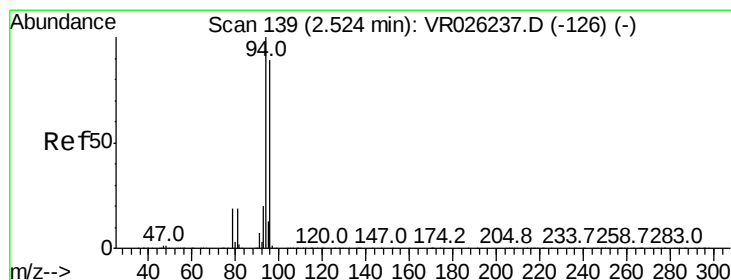
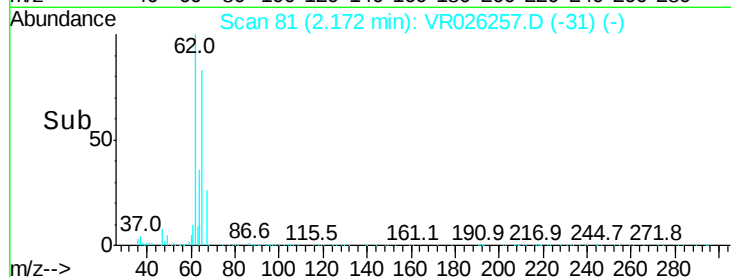
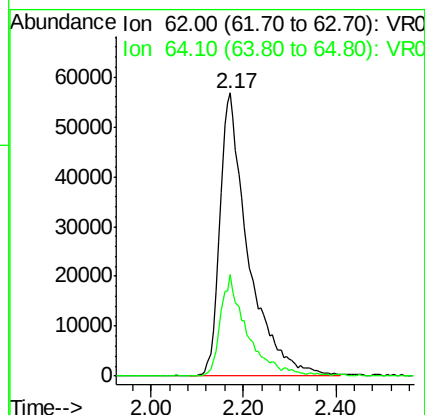
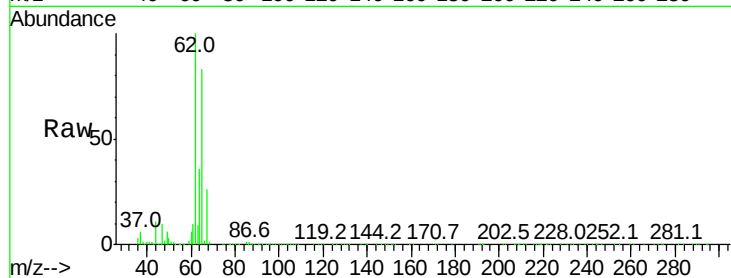
VSTD00598

Tgt Ion: 62 Resp: 242470

Ion Ratio Lower Upper

62 100

64 35.9 21.3 39.5



#6

Bromomethane

Concen: 4.868 ug/L

RT: 2.53 min Scan# 140

Delta R.T. 0.01 min

Lab File: VR026257.D

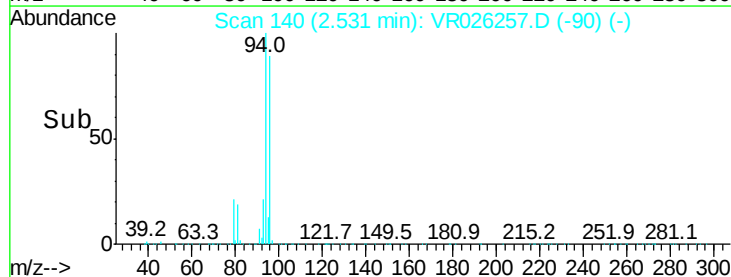
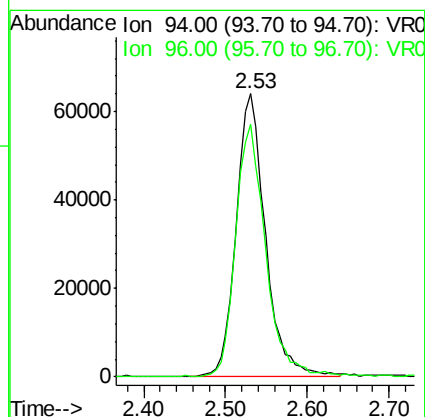
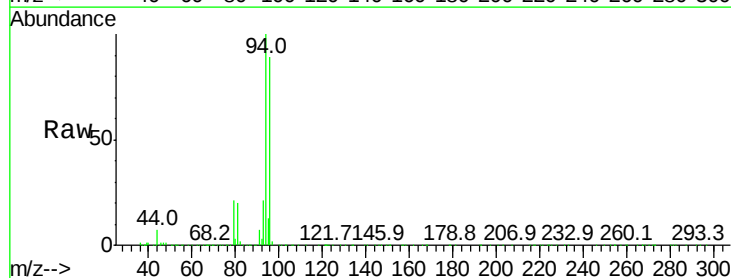
Acq: 21 Nov 2018 12:43

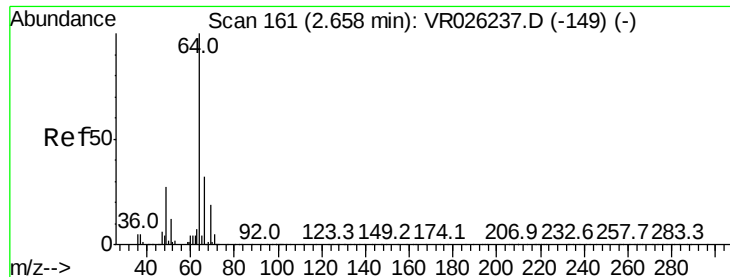
Tgt Ion: 94 Resp: 157836

Ion Ratio Lower Upper

94 100

96 89.1 64.6 120.0





#8

Chloroethane

Concen: 4.860 ug/L

RT: 2.66 min Scan# 162

Delta R.T. 0.01 min

Lab File: VR026257.D

Acq: 21 Nov 2018 12:43

Instrument :

MSVOA_R

ClientSampleId :

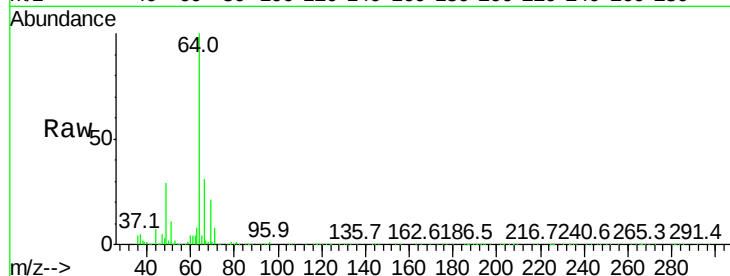
VSTD00598

Tgt Ion: 64 Resp: 147257

Ion Ratio Lower Upper

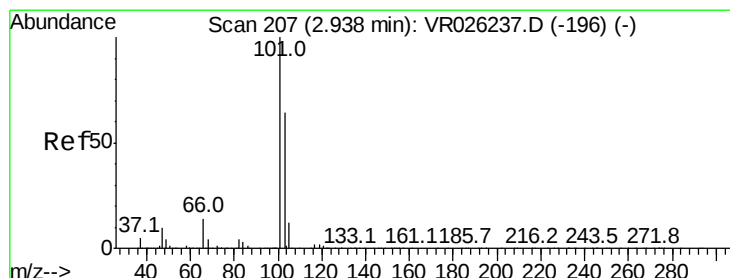
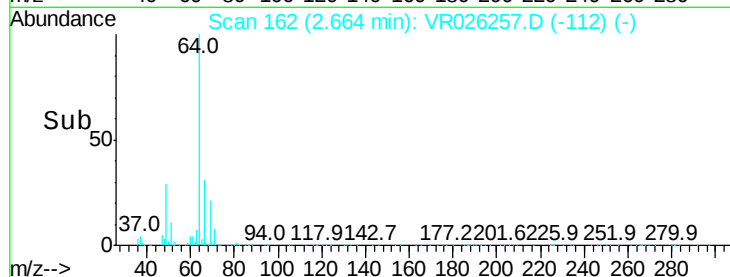
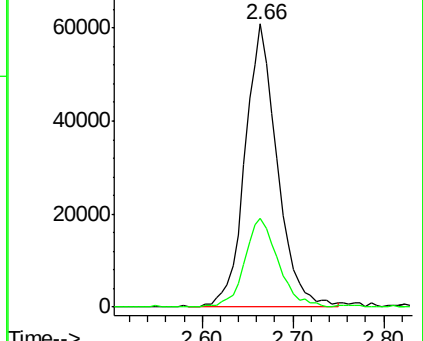
64 100

66 31.3 22.7 42.3



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0



#9

Trichlorofluoromethane

Concen: 1.855 ug/L

RT: 2.93 min Scan# 206

Delta R.T. -0.01 min

Lab File: VR026257.D

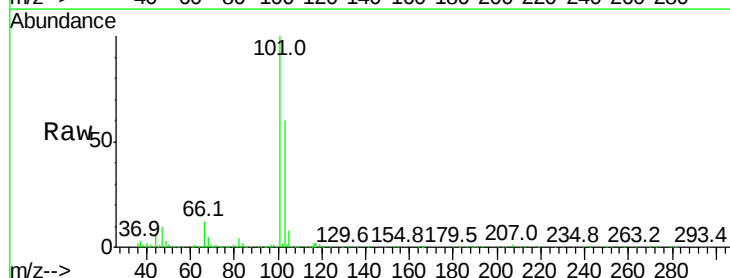
Acq: 21 Nov 2018 12:43

Tgt Ion: 101 Resp: 136443

Ion Ratio Lower Upper

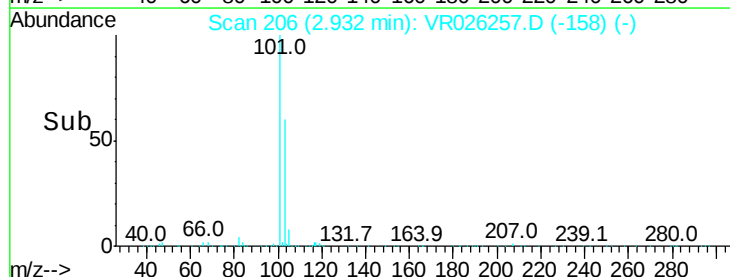
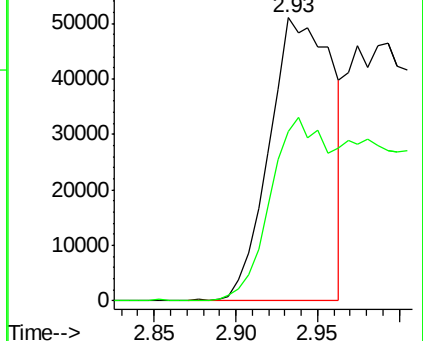
101 100

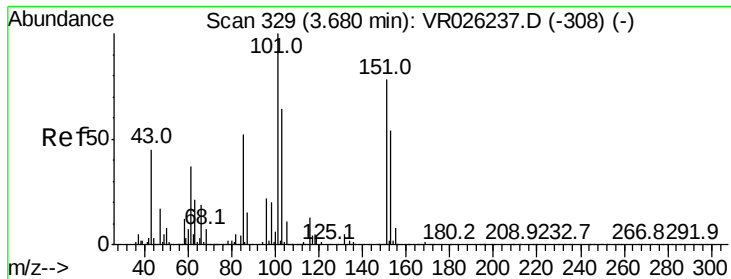
103 63.7 24.6 37.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 4.888 ug/L

RT: 3.69 min Scan# 330

Delta R.T. 0.01 min

Lab File: VR026257.D

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ClientSampleId :

VSTD00598

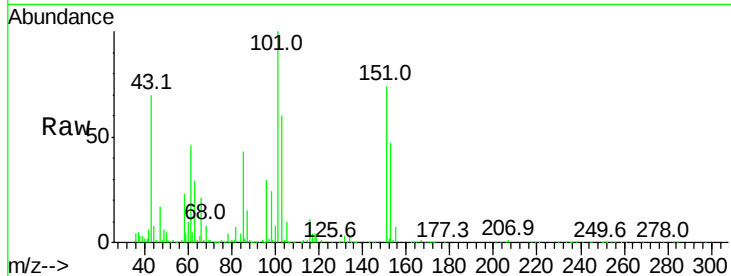
Tgt Ion:101 Resp: 206483

Ion Ratio Lower Upper

101 100

85 46.3 37.4 56.0

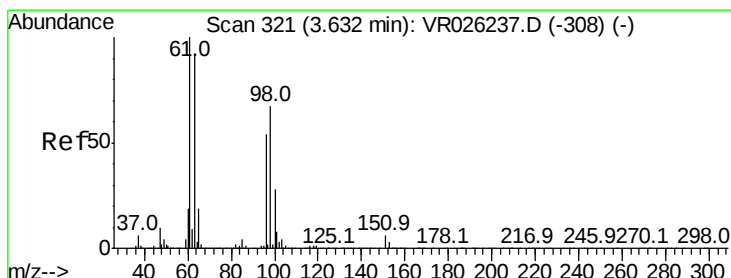
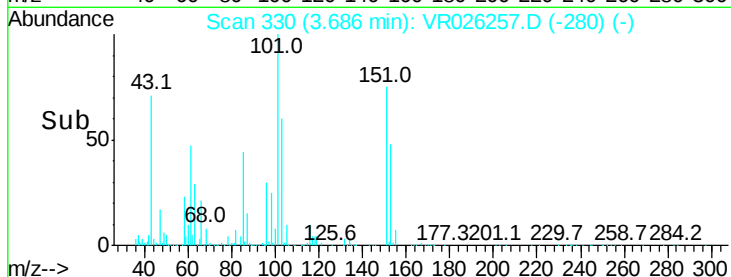
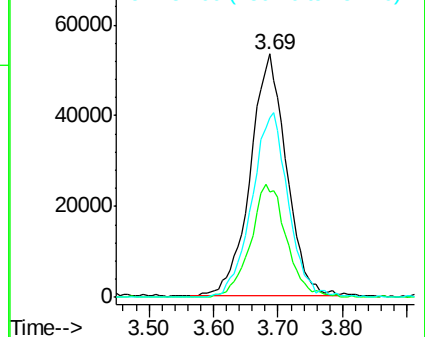
151 76.4 63.3 94.9



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: 4.844 ug/L

RT: 3.64 min Scan# 322

Delta R.T. 0.01 min

Lab File: VR026257.D

Acq: 21 Nov 2018 12:43

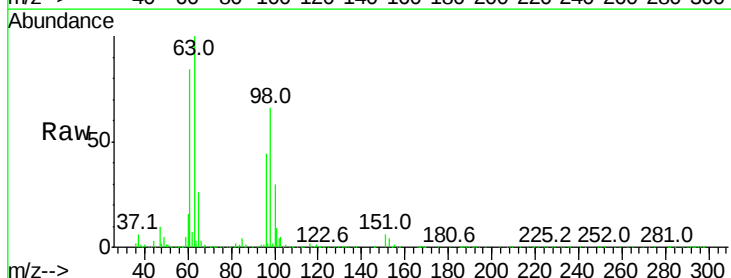
Tgt Ion: 96 Resp: 222624

Ion Ratio Lower Upper

96 100

61 193.6 128.7 239.1

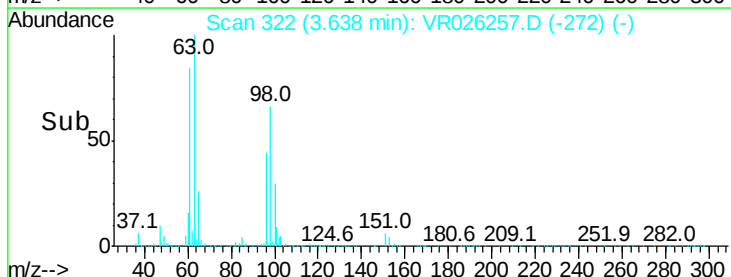
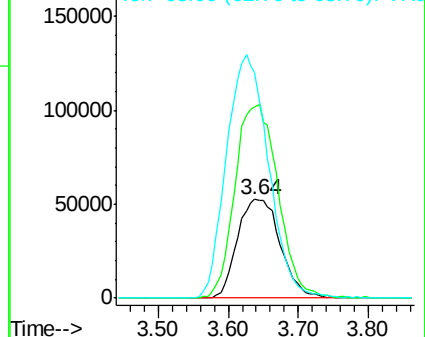
63 229.3 122.6 227.6#

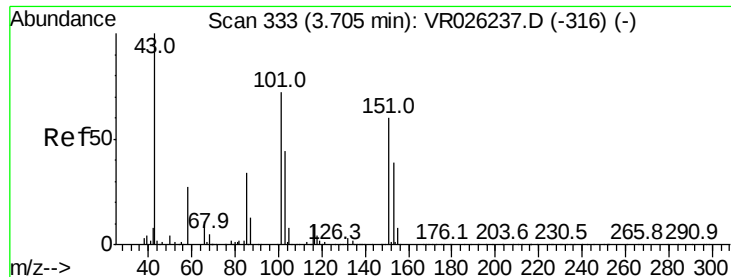


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 58.475 ug/L

RT: 3.70 min Scan# 333

Delta R.T. 0.00 min

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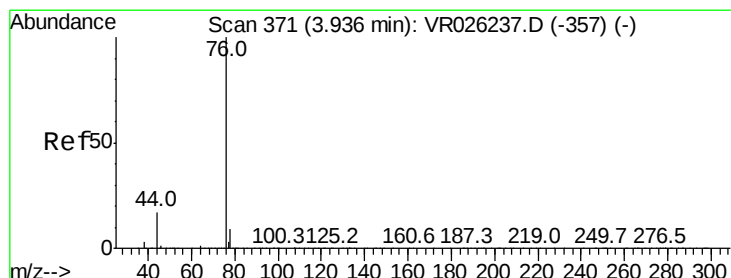
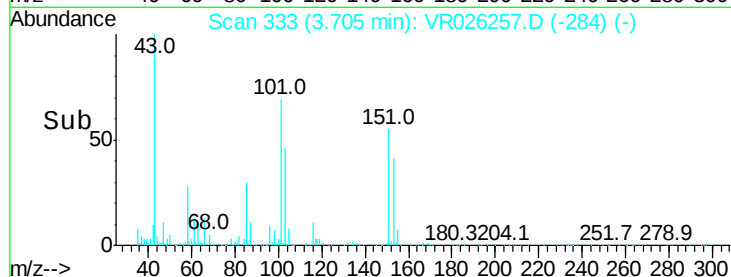
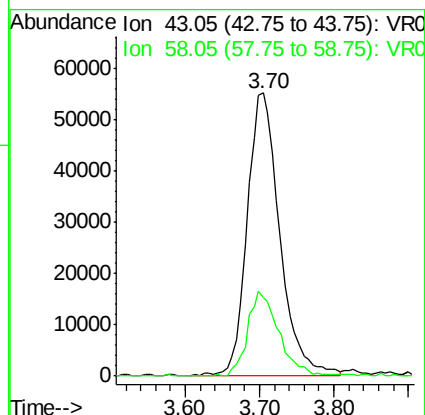
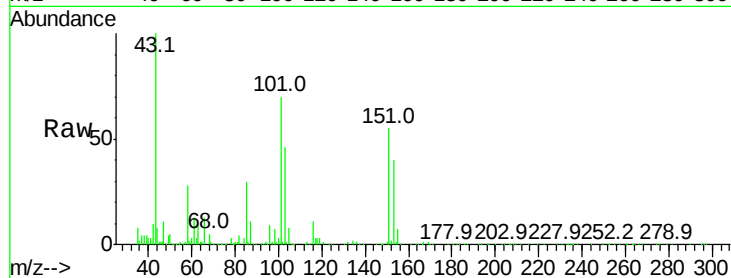
VSTD00598

Tgt Ion: 43 Resp: 170027

Ion Ratio Lower Upper

43 100

58 28.5 0.0 55.0



#14

Carbon disulfide

Concen: 4.813 ug/L

RT: 3.94 min Scan# 372

Delta R.T. 0.01 min

Lab File: VR026257.D

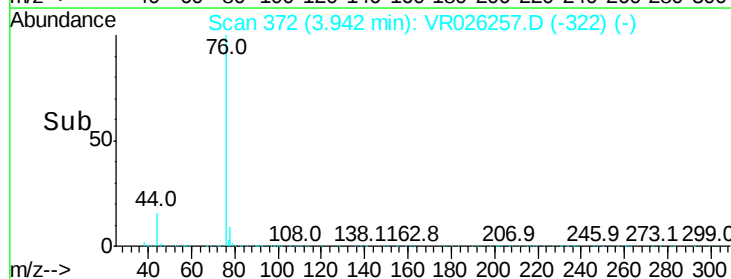
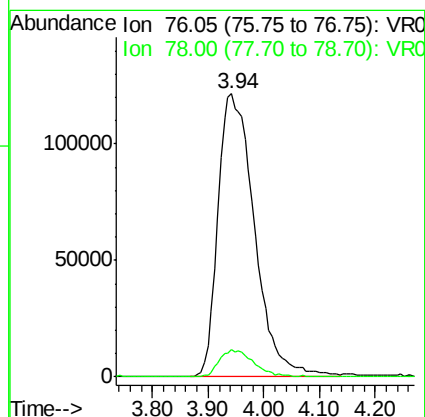
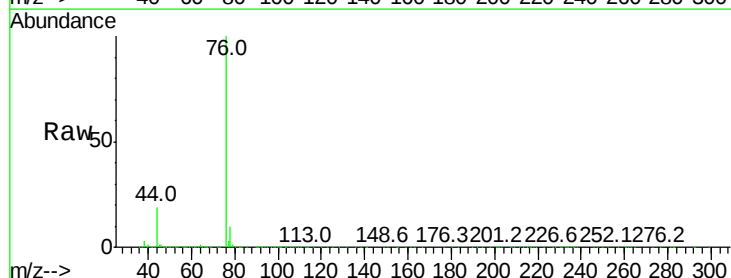
Acq: 21 Nov 2018 12:43

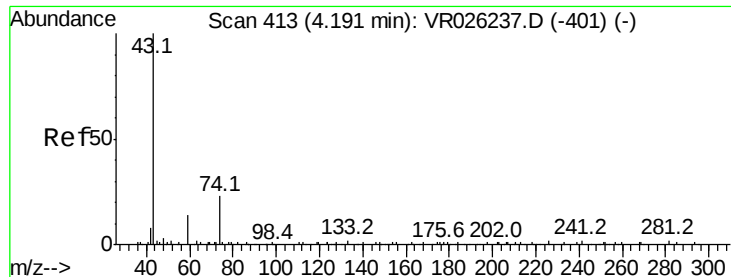
Tgt Ion: 76 Resp: 552270

Ion Ratio Lower Upper

76 100

78 9.6 7.0 10.6





#15

Methyl Acetate

Concen: 5.129 ug/L

RT: 4.19 min Scan# 413

Delta R.T. 0.00 min

Lab File: VR026257.D

Acq: 21 Nov 2018 12:43

Instrument :

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ClientSampleId :

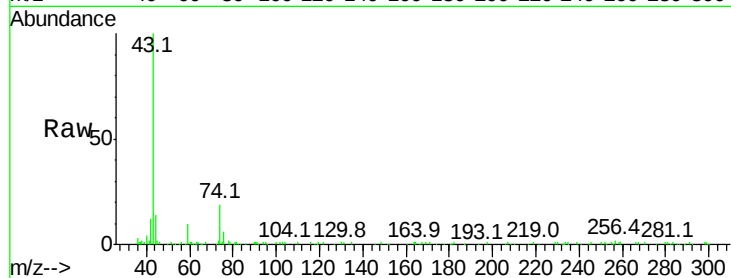
VSTD00598

Tgt Ion: 43 Resp: 43275

Ion Ratio Lower Upper

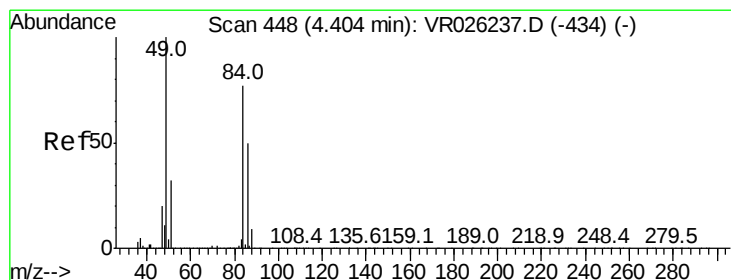
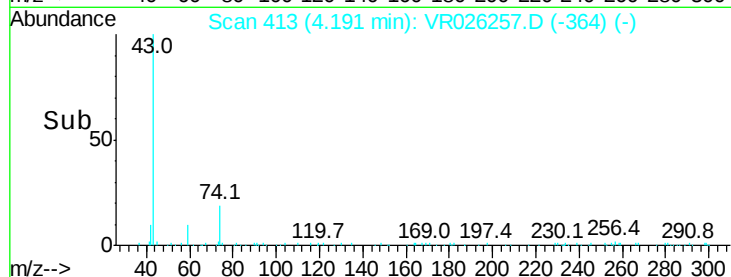
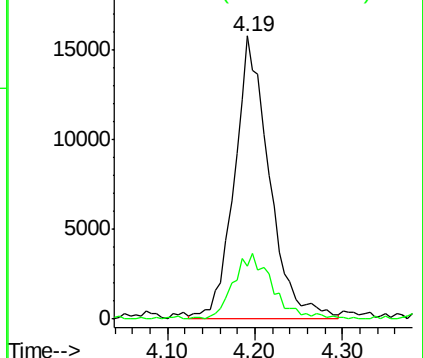
43 100

74 26.2 19.4 29.0



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0



#16

Methylene chloride

Concen: 4.664 ug/L

RT: 4.41 min Scan# 449

Delta R.T. 0.01 min

Lab File: VR026257.D

Acq: 21 Nov 2018 12:43

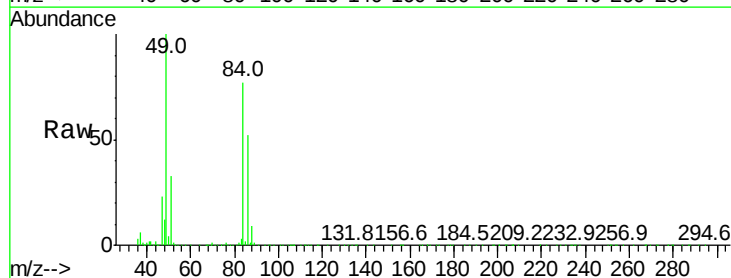
Tgt Ion: 84 Resp: 191657

Ion Ratio Lower Upper

84 100

86 66.9 45.2 84.0

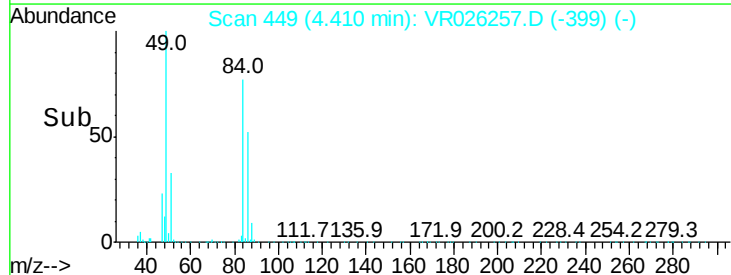
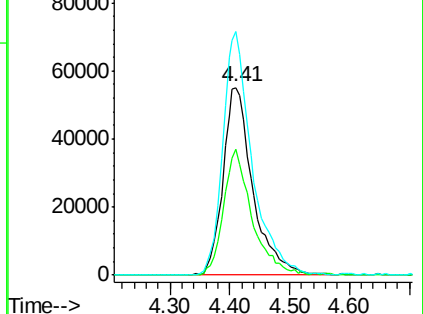
49 129.7 88.3 164.1

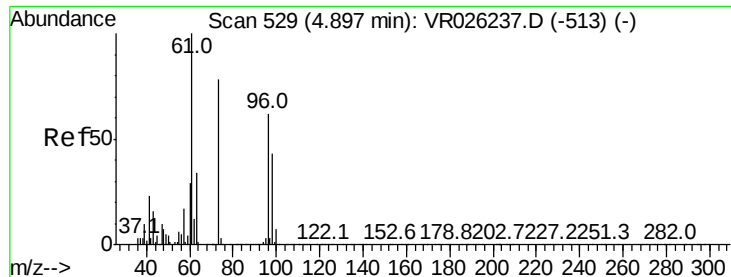


Abundance Ion 84.05 (83.75 to 84.75): VR0

Ion 86.00 (85.70 to 86.70): VR0

Ion 49.10 (48.80 to 49.80): VR0





#17

Methyl tert-butyl Ether

Concen: 4.525 ug/L

RT: 4.89 min Scan# 528

Delta R.T. -0.01 min

Lab File: VR026257.D

Acq: 21 Nov 2018 12:43

Instrument :

MSVOA_R

ClientSampleId :

VSTD00598

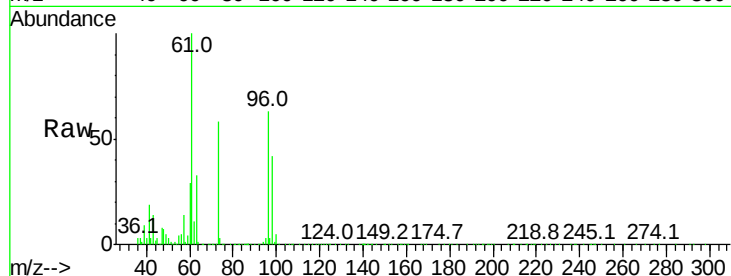
Tgt Ion: 73 Resp: 215067

Ion Ratio Lower Upper

73 100

43 23.8 19.0 28.4

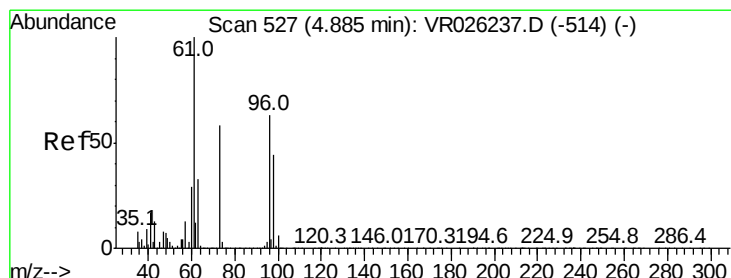
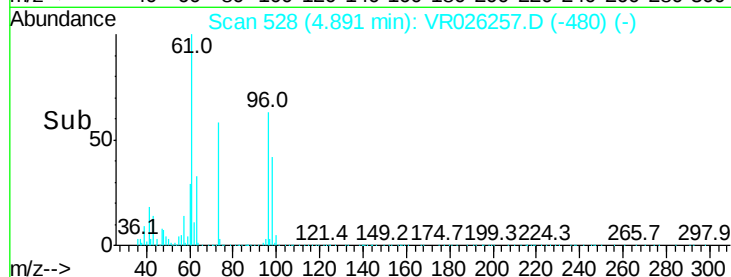
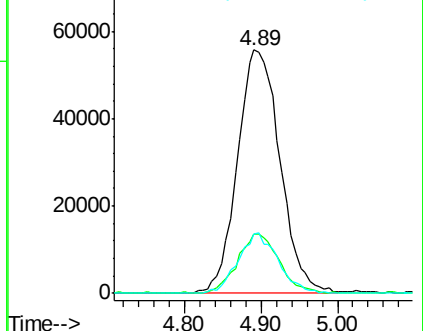
57 23.3 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VR0

Ion 43.05 (42.75 to 43.75): VR0

Ion 57.10 (56.80 to 57.80): VR0



#18

trans-1,2-Dichloroethene

Concen: 4.500 ug/L

RT: 4.88 min Scan# 527

Delta R.T. 0.00 min

Lab File: VR026257.D

Acq: 21 Nov 2018 12:43

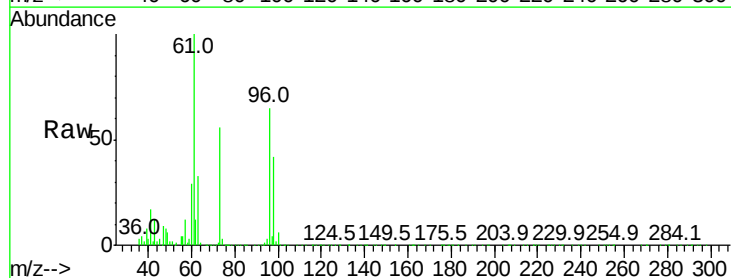
Tgt Ion: 96 Resp: 189975

Ion Ratio Lower Upper

96 100

61 154.9 105.4 195.8

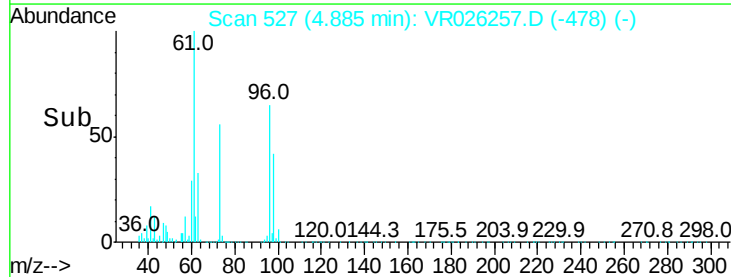
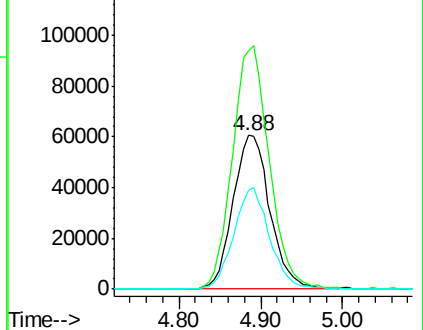
98 64.6 42.1 78.1

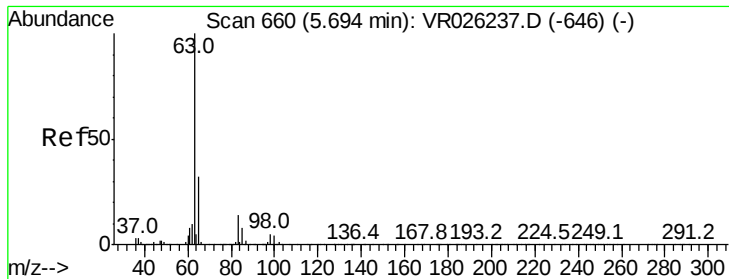


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 97.95 (97.65 to 98.65): VR0

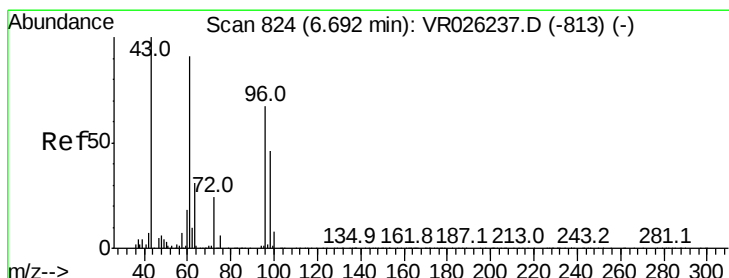
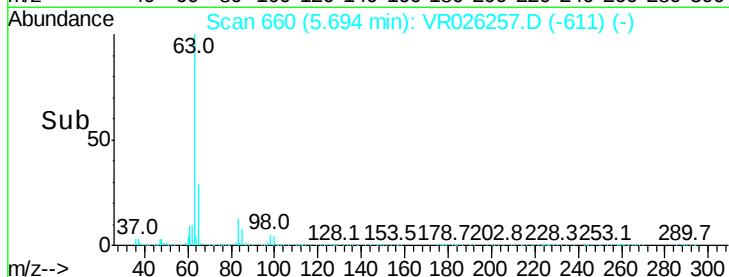
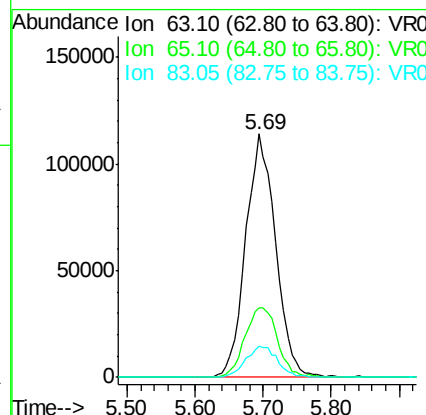
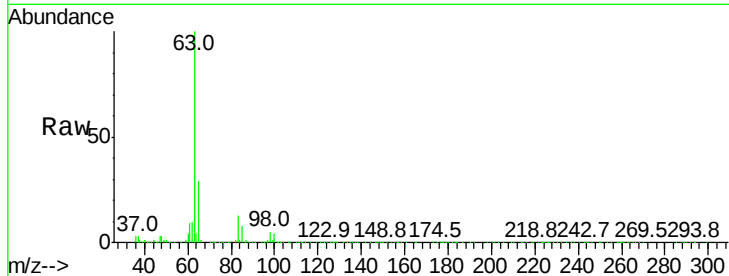




#19
 1,1-Dichloroethane
 Concen: 4.584 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VR026257.D
 Acq: 21 Nov 2018 12:43

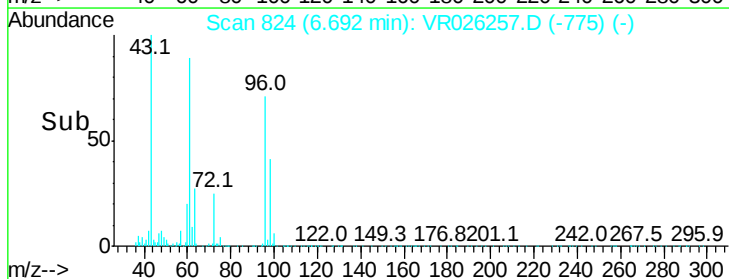
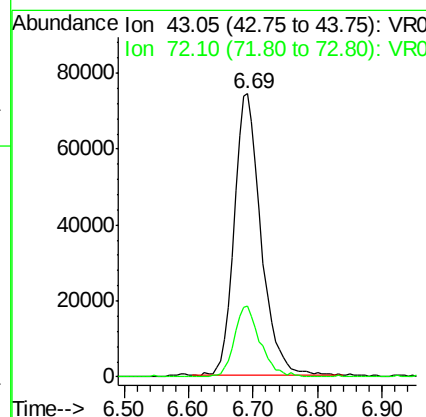
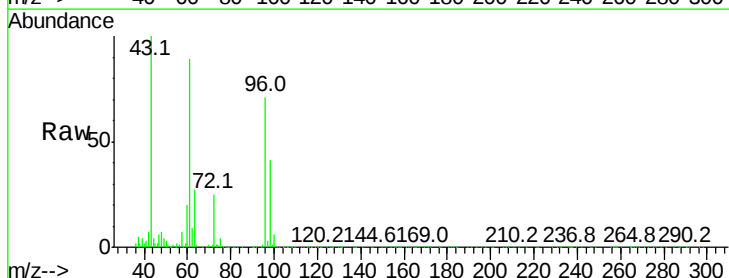
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00598

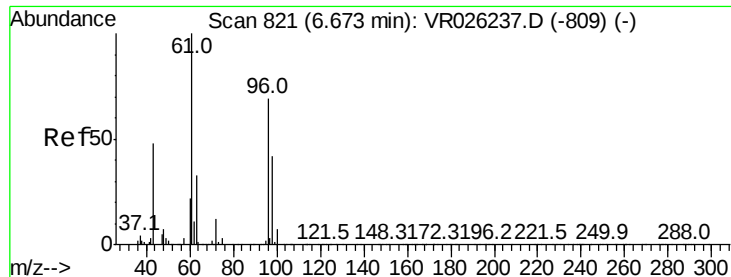
Tgt Ion	Ratio	Lower	Upper
63	100		
65	28.6	21.1	39.3
83	12.7	9.9	18.5



#21
 2-Butanone
 Concen: 52.560 ug/L
 RT: 6.69 min Scan# 824
 Delta R.T. 0.00 min
 Lab File: VR026257.D
 Acq: 21 Nov 2018 12:43

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.5	11.8	35.4



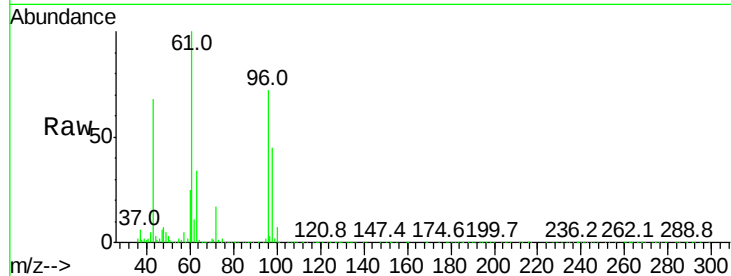


#22

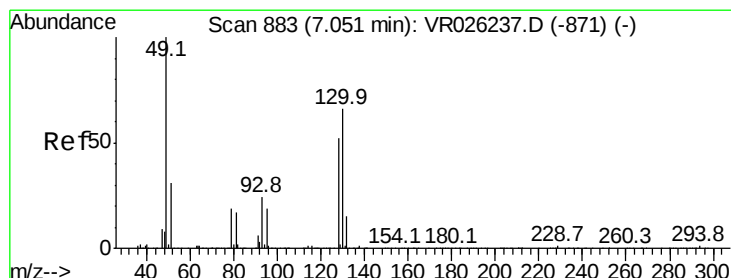
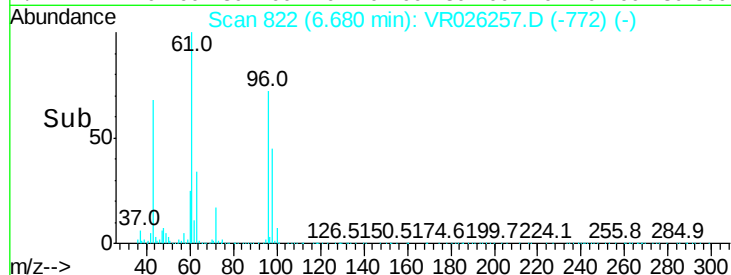
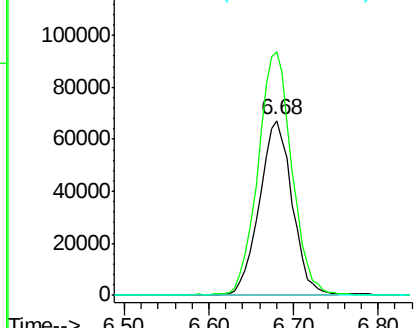
cis-1,2-Dichloroethene
Concen: 4.744 ug/L
RT: 6.68 min Scan# 822
Delta R.T. 0.01 min
Lab File: VR026257.D
Acq: 21 Nov 2018 12:43

Instrument :
MSVOA_R
ClientSampleId :
VSTD00598

Tgt Ion: 96 Resp: 180514
Ion Ratio Lower Upper
96 100
61 139.5 94.8 176.2
68 0.0 0.0 0.0



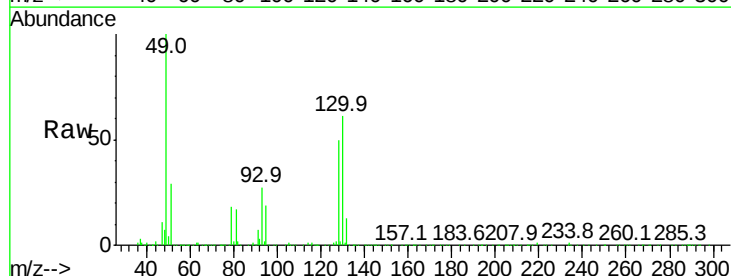
Abundance Ion 96.00 (95.70 to 96.70): VR0
Ion 61.05 (60.75 to 61.75): VR0
Ion 68.15 (67.85 to 68.85): VR0



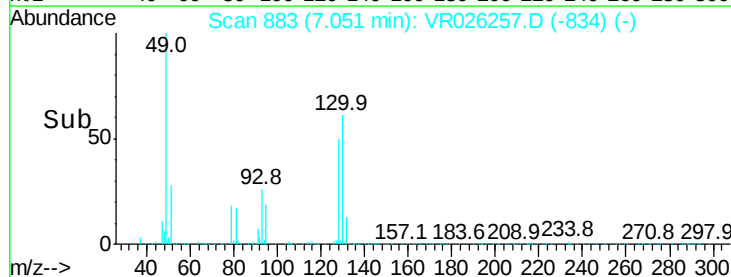
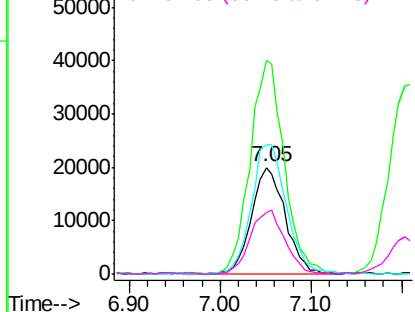
#23

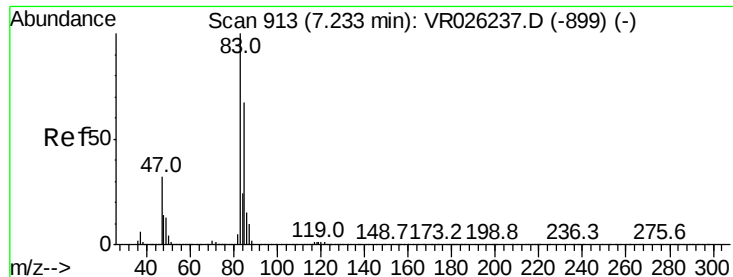
Bromochloromethane
Concen: 4.494 ug/L
RT: 7.05 min Scan# 883
Delta R.T. 0.00 min
Lab File: VR026257.D
Acq: 21 Nov 2018 12:43

Tgt Ion: 128 Resp: 51471
Ion Ratio Lower Upper
128 100
49 200.5 129.6 240.6
130 121.7 93.1 172.9
51 58.0 52.7 79.1



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VR0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VR0





#25

Chloroform

Concen: 4.326 ug/L

RT: 7.23 min Scan# 913

Delta R.T. 0.00 min

Lab File: VR026257.D

Acq: 21 Nov 2018 12:43

Instrument :

MSVOA_R

ClientSampleId :

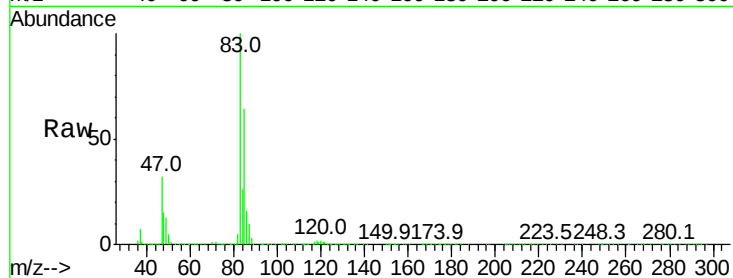
VSTD00598

Tgt Ion: 83 Resp: 355587

Ion Ratio Lower Upper

83 100

85 64.5 44.4 82.5



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0

7.23

150000

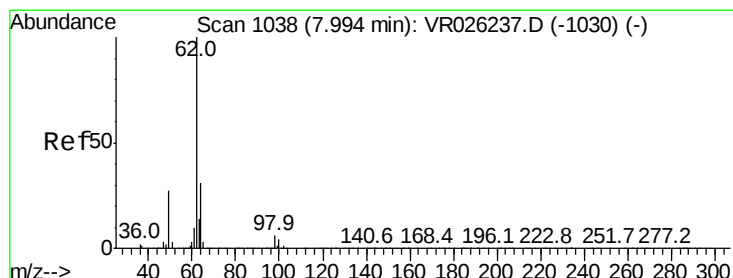
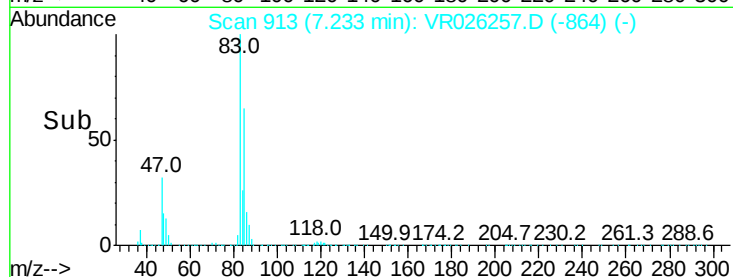
100000

50000

0

7.10 7.20 7.30

Time-->



#27

1,2-Dichloroethane

Concen: 4.709 ug/L

RT: 7.99 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VR026257.D

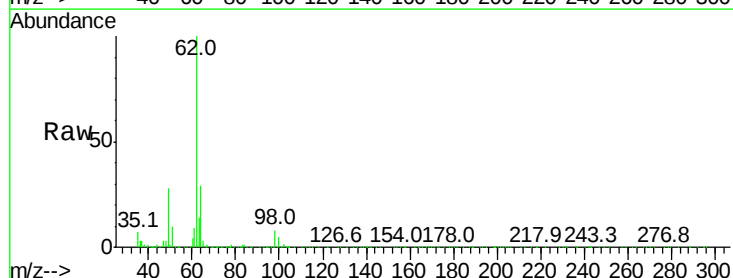
Acq: 21 Nov 2018 12:43

Tgt Ion: 62 Resp: 157606

Ion Ratio Lower Upper

62 100

98 7.5 6.1 9.1



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0

7.99

80000

60000

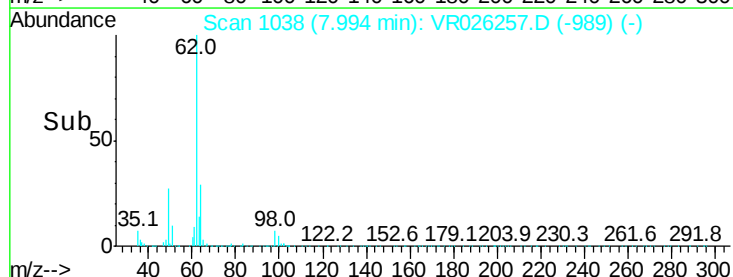
40000

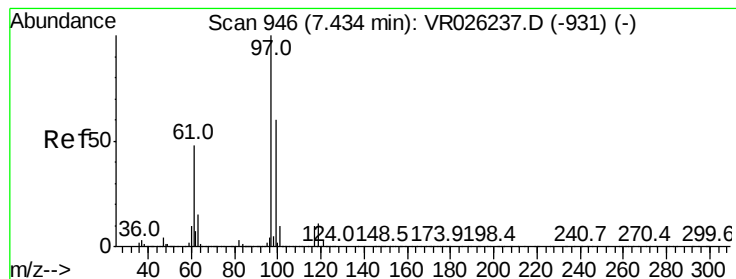
20000

0

7.90 7.95 8.00 8.05 8.10

Time-->





#29

1,1,1-Trichloroethane

Concen: 4.496 ug/L

RT: 7.43 min Scan# 946

Delta R.T. 0.00 min

Lab File: VR026257.D

Acq: 21 Nov 2018 12:43

Instrument :

MSVOA_R

ClientSampled :

VSTD00598

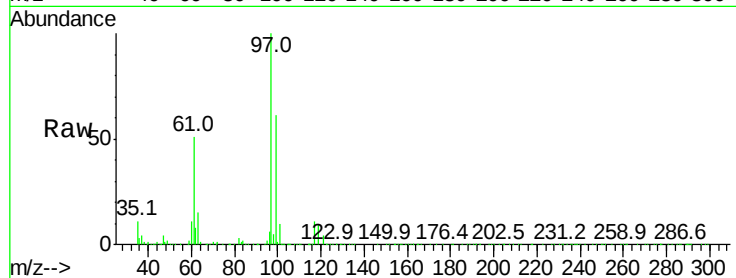
Tgt Ion: 97 Resp: 298521

Ion Ratio Lower Upper

97 100

99 63.4 51.9 77.9

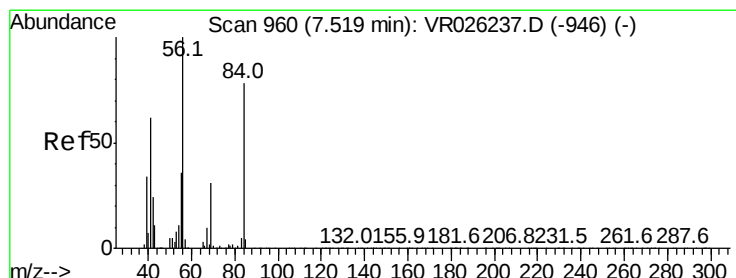
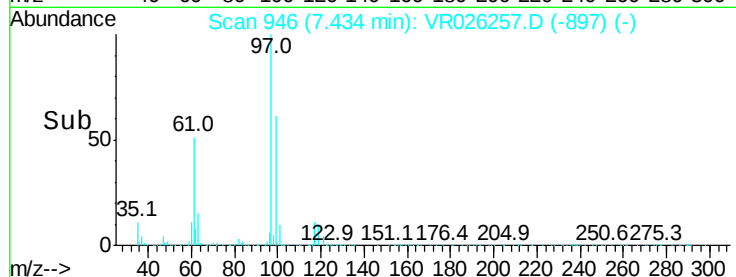
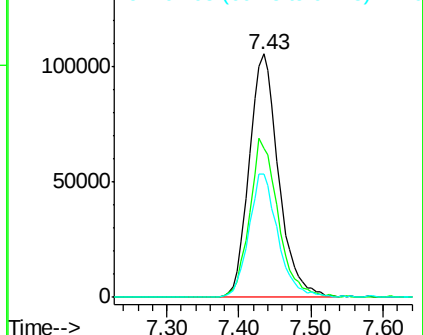
61 50.3 39.9 59.9



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: 4.880 ug/L

RT: 7.52 min Scan# 960

Delta R.T. 0.00 min

Lab File: VR026257.D

Acq: 21 Nov 2018 12:43

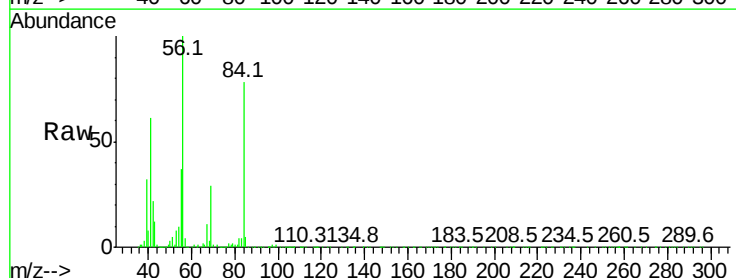
Tgt Ion: 56 Resp: 288170

Ion Ratio Lower Upper

56 100

69 29.8 23.6 35.4

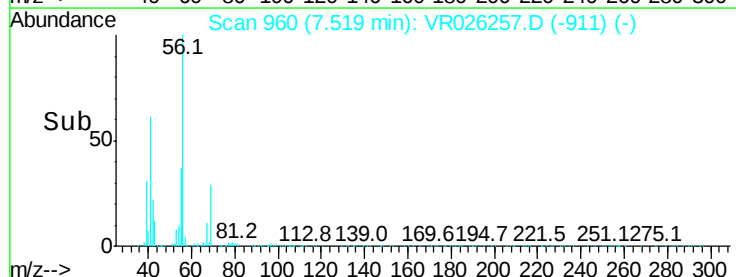
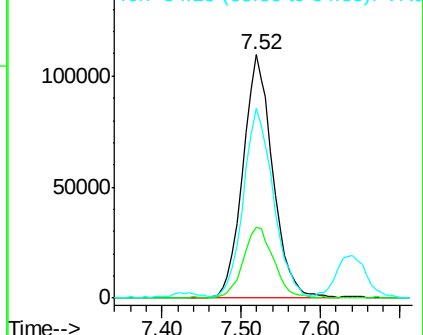
84 78.0 64.9 97.3

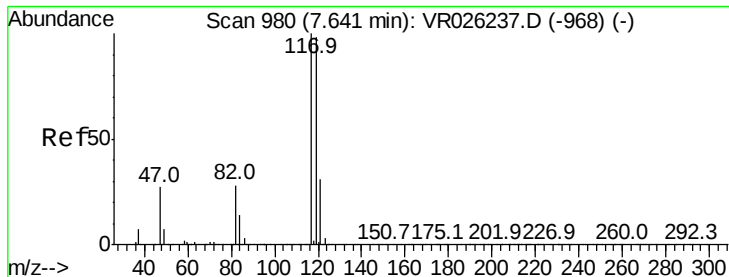


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 4.416 ug/L

RT: 7.64 min Scan# 980

Delta R.T. 0.00 min

Lab File: VR026257.D

Acq: 21 Nov 2018 12:43

Instrument :

MSVOA_R

ClientSampleId :

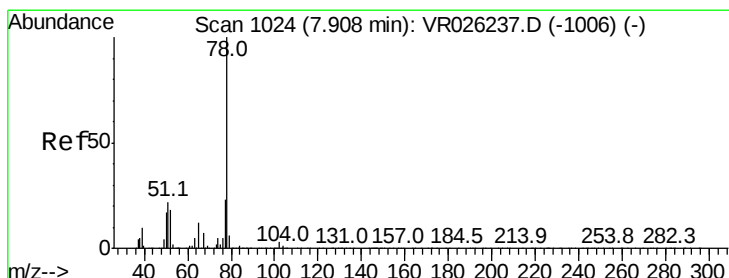
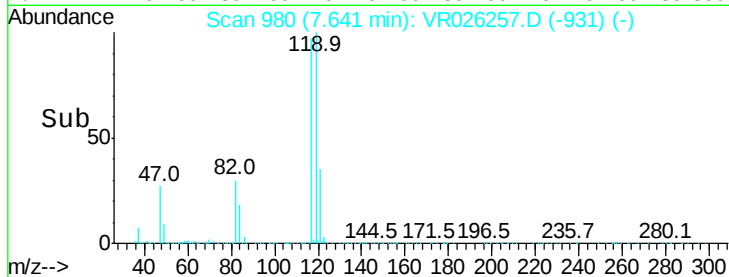
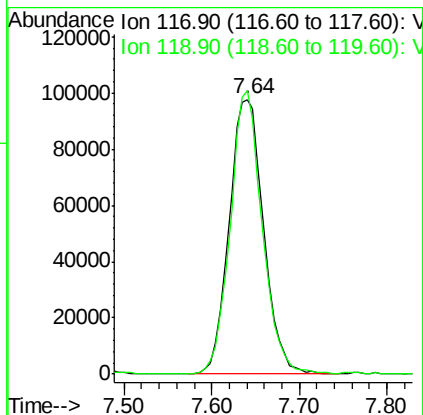
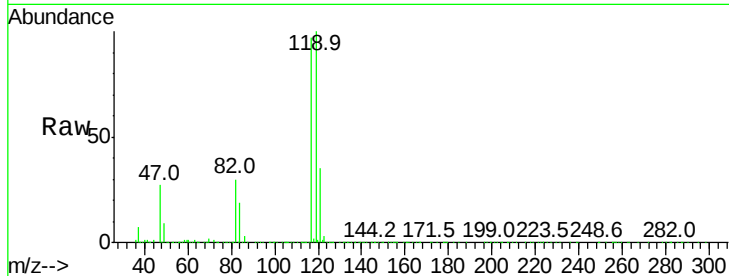
VSTD00598

Tgt Ion:117 Resp: 266493

Ion Ratio Lower Upper

117 100

119 96.2 74.7 112.1



#33

Benzene

Concen: 4.692 ug/L

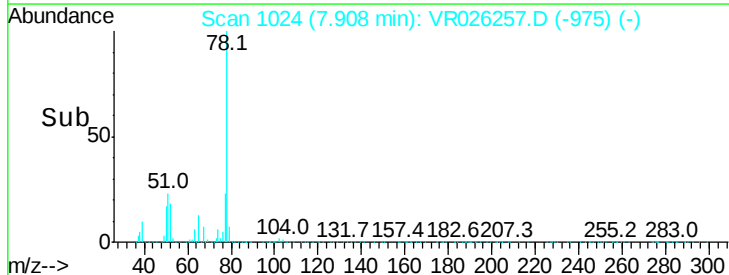
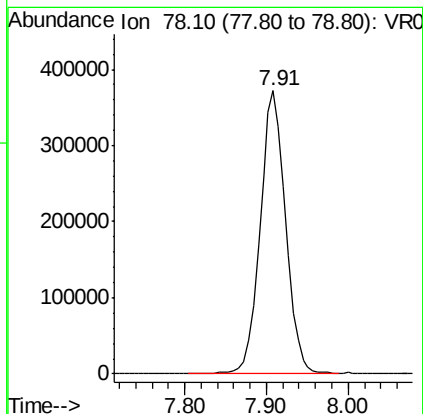
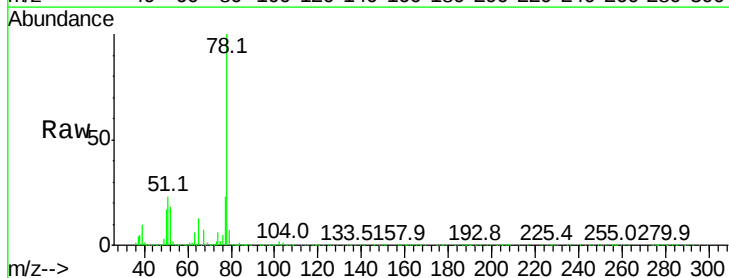
RT: 7.91 min Scan# 1024

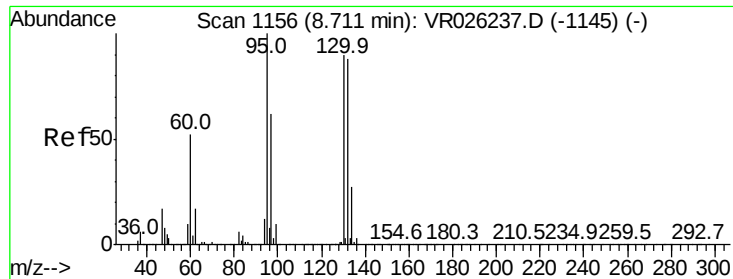
Delta R.T. 0.00 min

Lab File: VR026257.D

Acq: 21 Nov 2018 12:43

Tgt Ion: 78 Resp: 805049

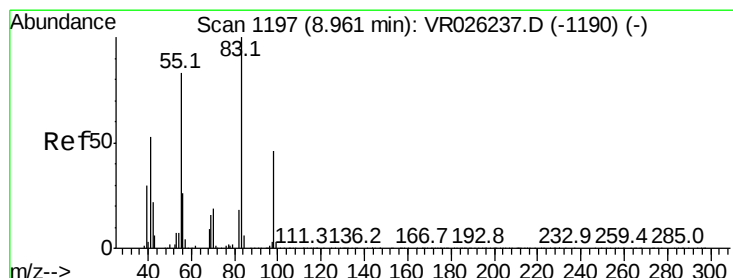
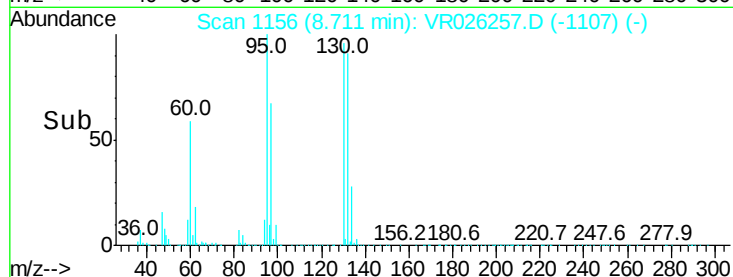
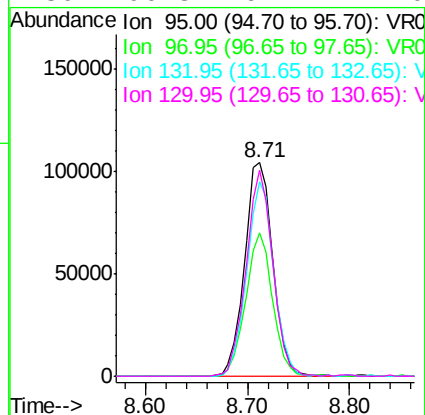
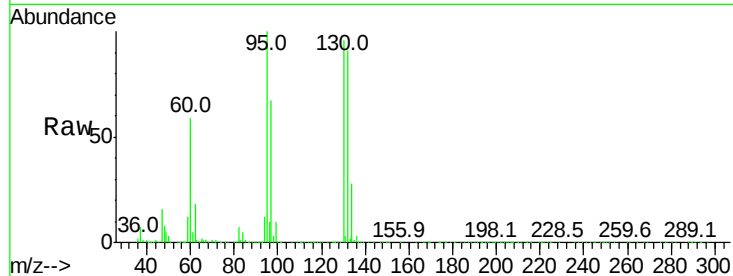




#34
 Trichloroethene
 Concen: 4.417 ug/L
 RT: 8.71 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: VR026257.D
 Acq: 21 Nov 2018 12:43

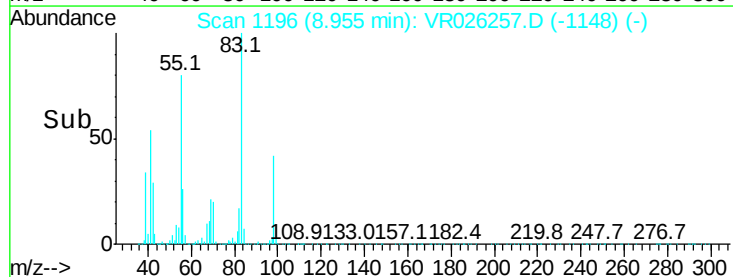
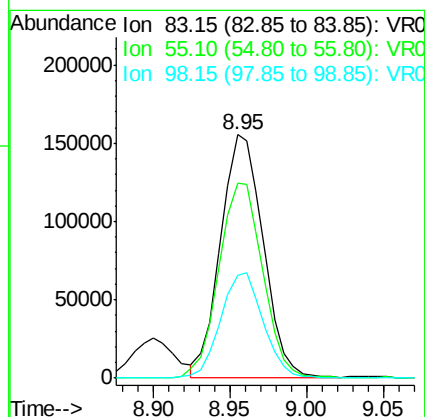
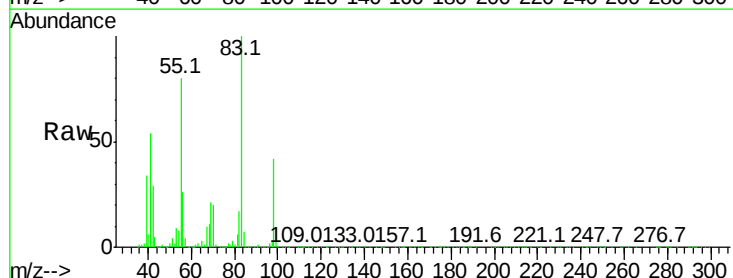
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00598

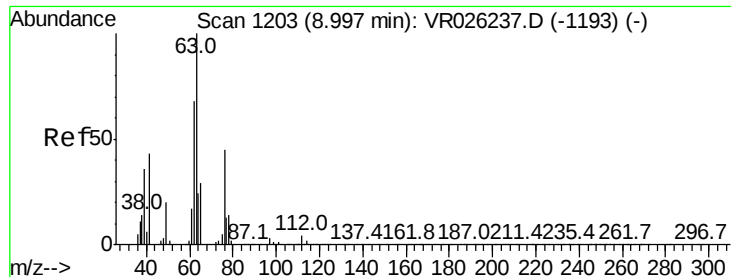
Tgt Ion:	95	Resp:	200732
Ion	Ratio	Lower	Upper
95	100		
97	66.9	45.1	83.7
132	91.3	59.8	111.0
130	96.3	61.4	114.0



#35
 Methylcyclohexane
 Concen: 4.936 ug/L
 RT: 8.95 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: VR026257.D
 Acq: 21 Nov 2018 12:43

Tgt Ion:	83	Resp:	298664
Ion	Ratio	Lower	Upper
83	100		
55	83.5	66.6	100.0
98	43.5	35.5	53.3





#37

1,2-Dichloropropane

Concen: 4.690 ug/L

RT: 9.00 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VR026257.D

Acq: 21 Nov 2018 12:43

Instrument :

MSVOA_R

ClientSampleId :

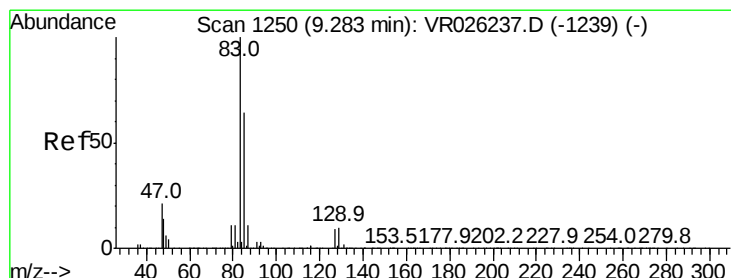
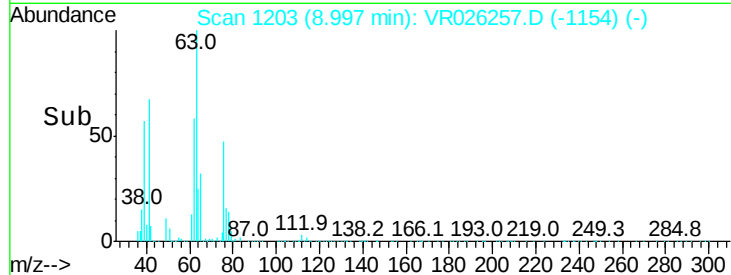
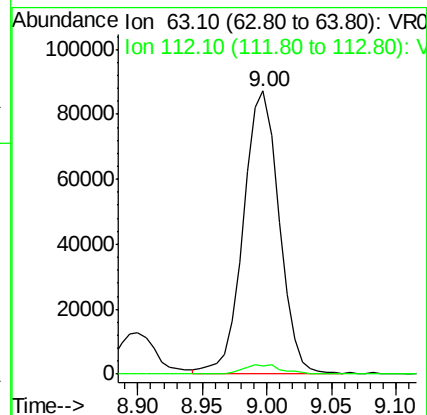
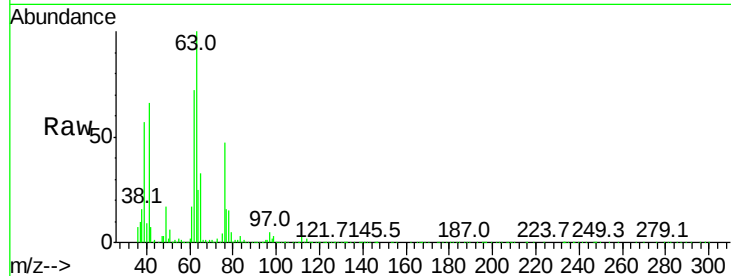
VSTD00598

Tgt Ion: 63 Resp: 166530

Ion Ratio Lower Upper

63 100

112 3.8 3.4 5.0



#38

Bromodichloromethane

Concen: 4.707 ug/L

RT: 9.28 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VR026257.D

Acq: 21 Nov 2018 12:43

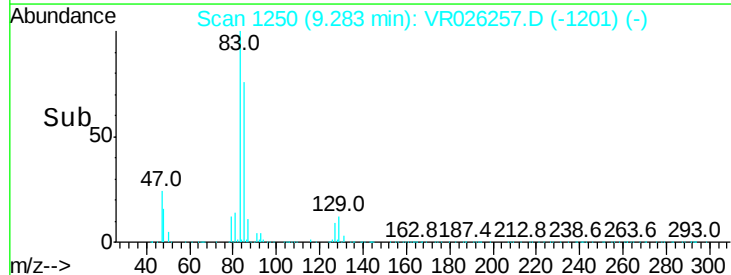
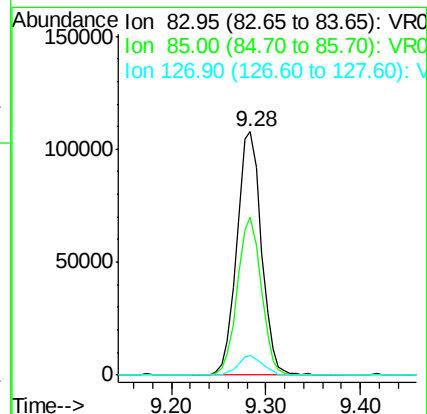
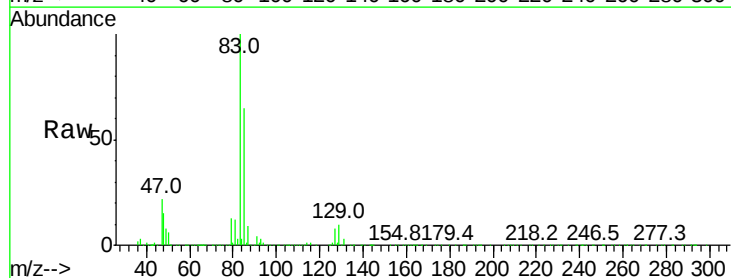
Tgt Ion: 83 Resp: 195102

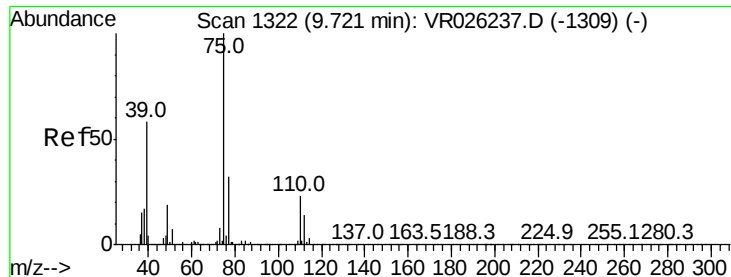
Ion Ratio Lower Upper

83 100

85 65.0 46.8 86.8

127 7.9 7.0 10.6



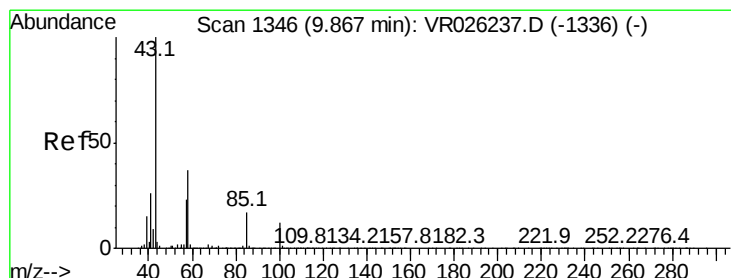
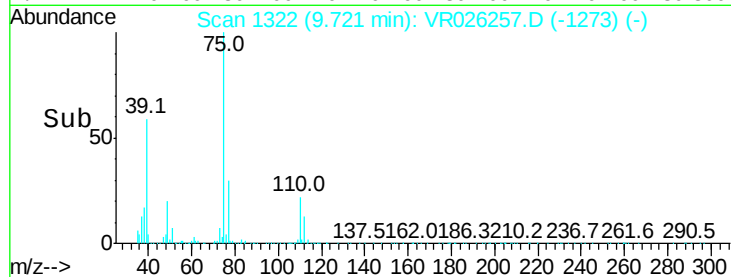
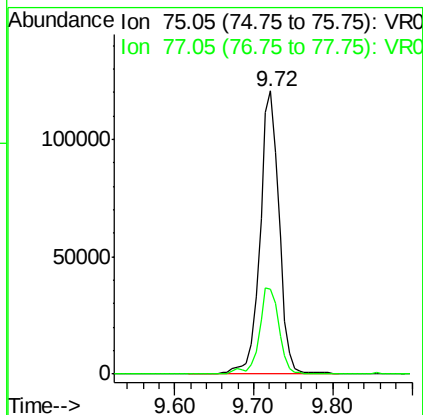
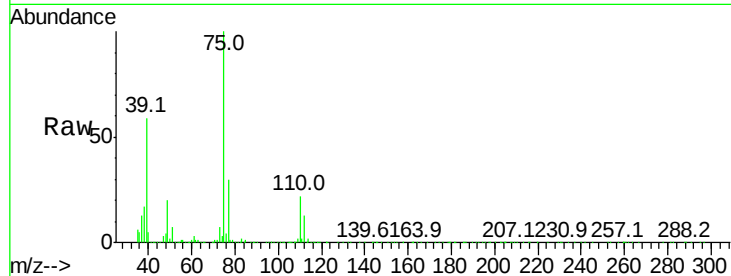


#39

cis-1,3-Dichloropropene
Concen: 4.943 ug/L
RT: 9.72 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VR026257.D
Acq: 21 Nov 2018 12:43

Instrument :
MSVOA_R
ClientSampleId :
VSTD00598

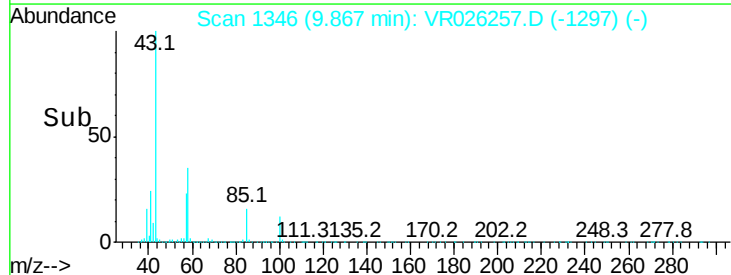
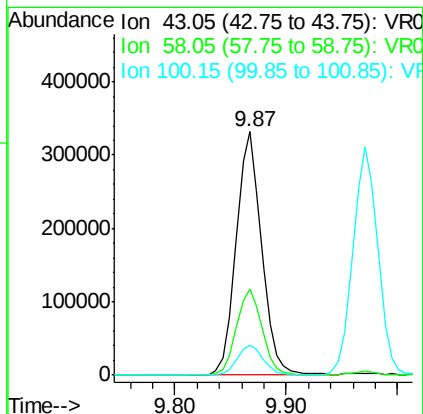
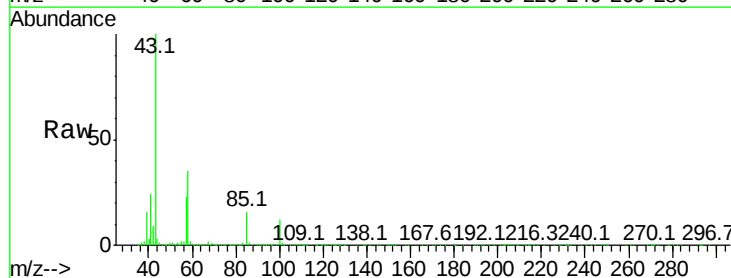
Tgt Ion: 75 Resp: 201476
Ion Ratio Lower Upper
75 100
77 29.8 22.1 41.1

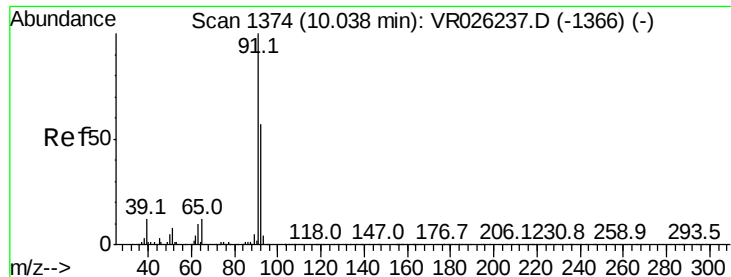


#40

4-Methyl-2-pentanone
Concen: 53.205 ug/L
RT: 9.87 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VR026257.D
Acq: 21 Nov 2018 12:43

Tgt Ion: 43 Resp: 525047
Ion Ratio Lower Upper
43 100
58 35.7 28.0 42.0
100 12.5 10.0 15.0





#42

Toluene

Concen: 4.370 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.00 min

Lab File: VR026257.D

Acq: 21 Nov 2018 12:43

Instrument :

MSVOA_R

ClientSampleId :

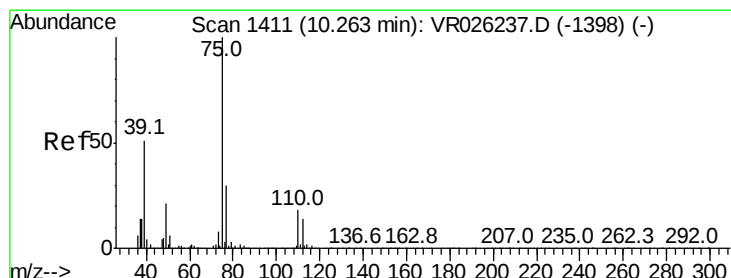
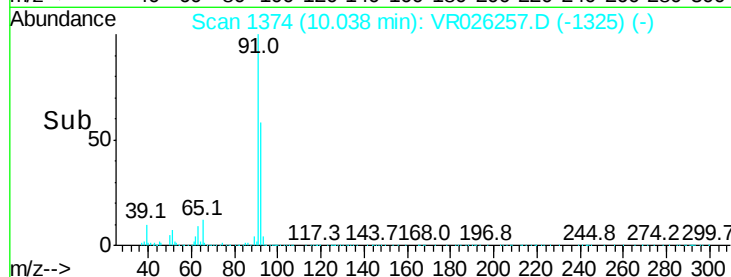
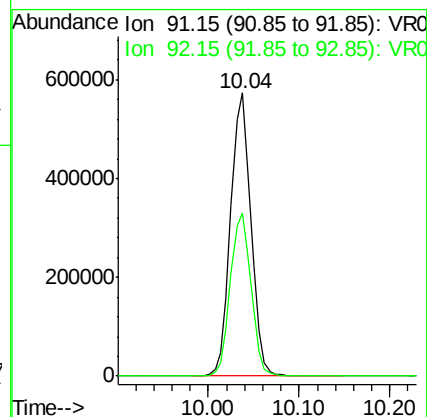
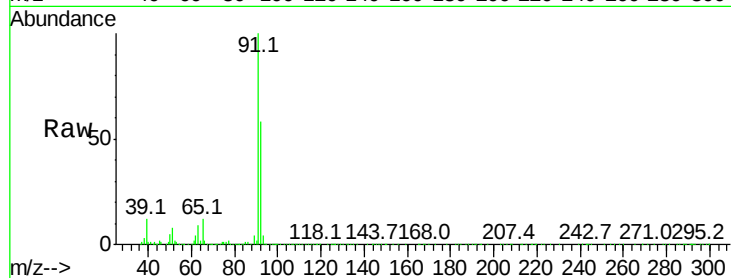
VSTD00598

Tgt Ion: 91 Resp: 895681

Ion Ratio Lower Upper

91 100

92 57.8 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 4.696 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR026257.D

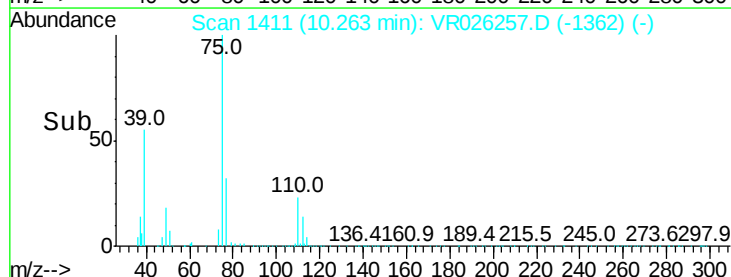
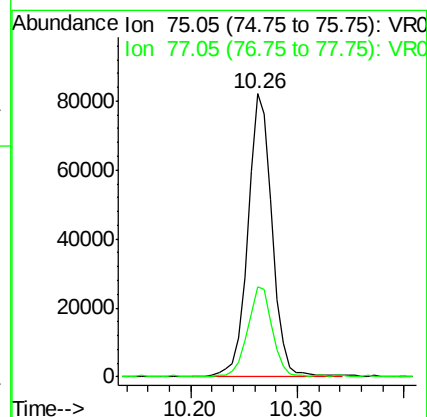
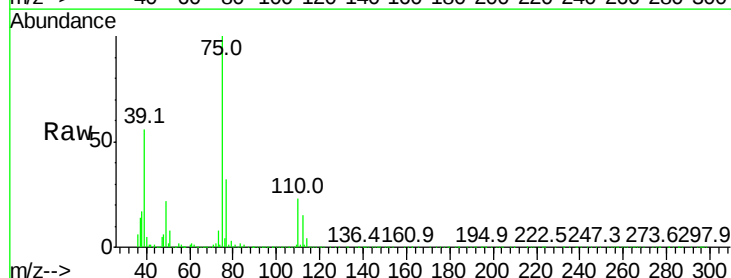
Acq: 21 Nov 2018 12:43

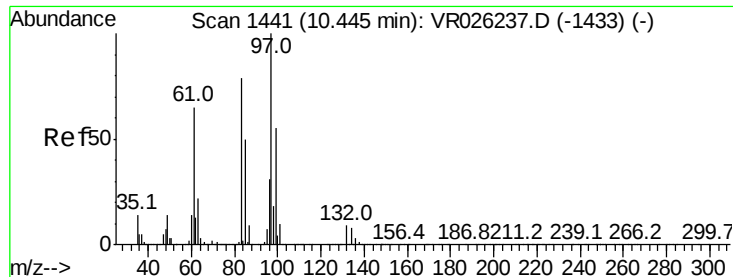
Tgt Ion: 75 Resp: 130659

Ion Ratio Lower Upper

75 100

77 32.0 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 4.732 ug/L

RT: 10.45 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VR026257.D

Acq: 21 Nov 2018 12:43

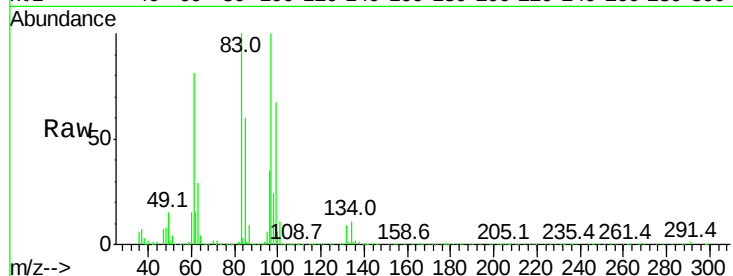
Instrument :

MSVOA_R

ClientSampleId :

VSTD00598

Tgt Ion:	97	Resp:	72307
Ion	Ratio	Lower	Upper
97	100		
99	66.8	43.0	80.0
83	100.2	65.0	120.8
85	60.1	40.5	75.1

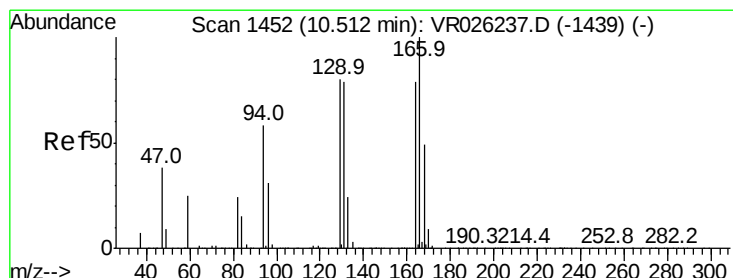
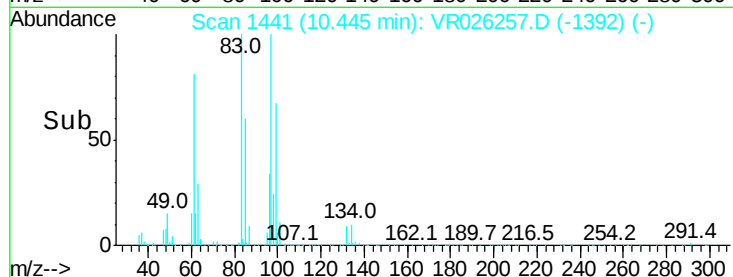
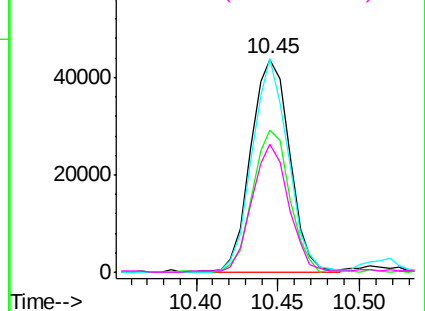


Abundance Ion 96.95 (96.65 to 97.65): VR0

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: 4.428 ug/L

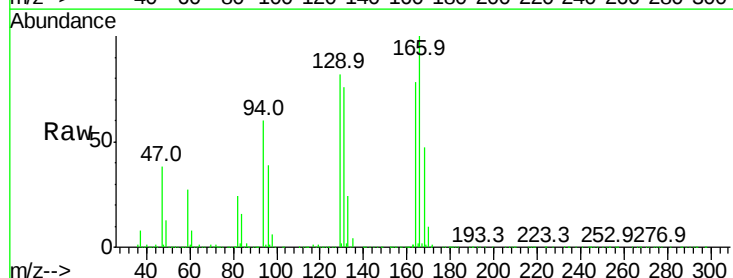
RT: 10.51 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VR026257.D

Acq: 21 Nov 2018 12:43

Tgt Ion:	164	Resp:	147779
Ion	Ratio	Lower	Upper
164	100		
129	104.9	74.6	138.6
131	98.4	69.8	129.6
166	128.8	94.5	175.5

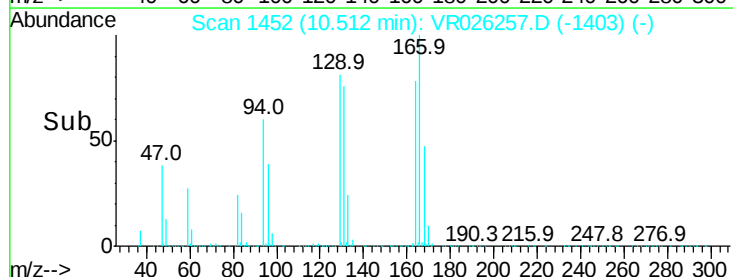
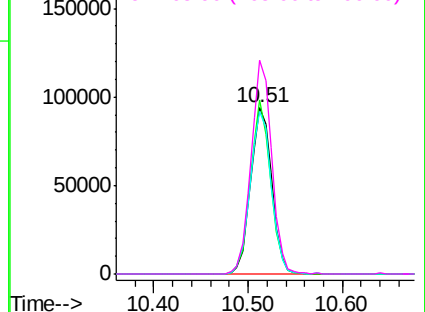


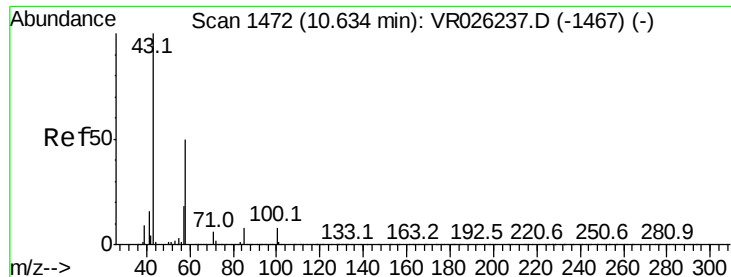
Abundance Ion 163.90 (163.60 to 164.60): V

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

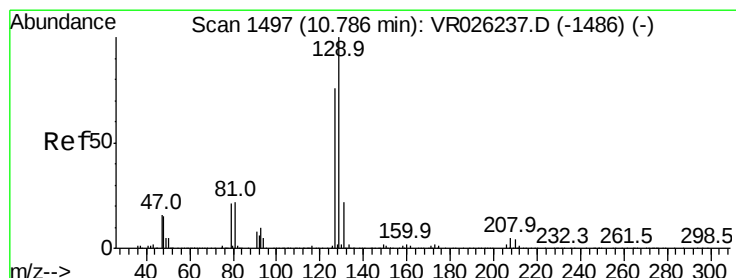
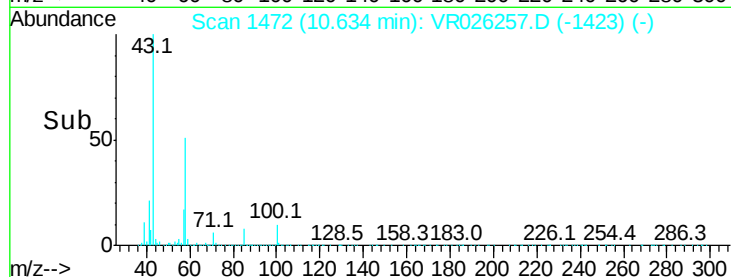
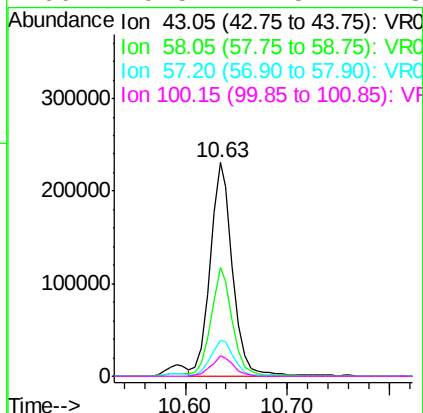
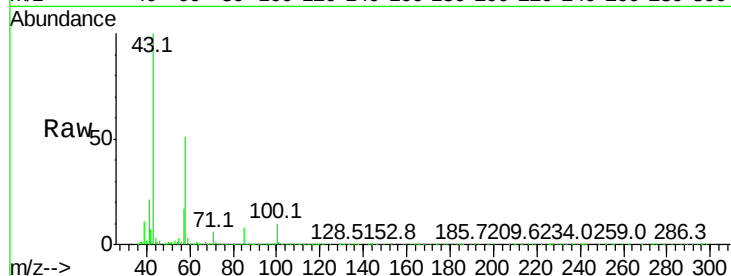




#48
2-Hexanone
Concen: 53.332 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR026257.D
Acq: 21 Nov 2018 12:43

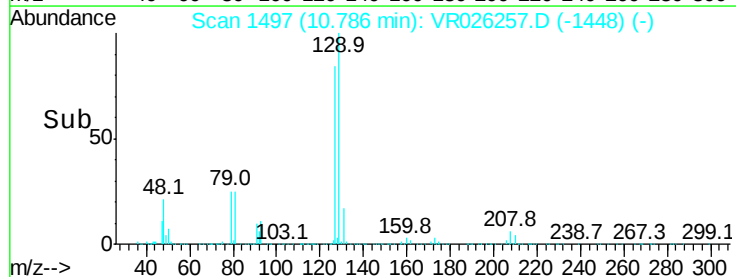
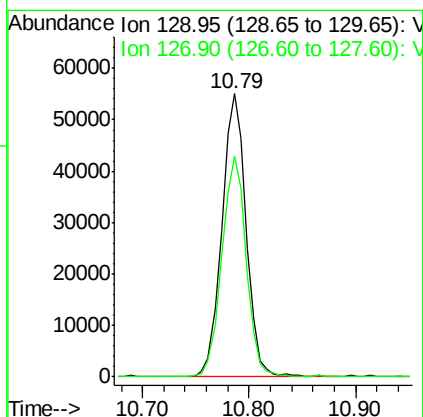
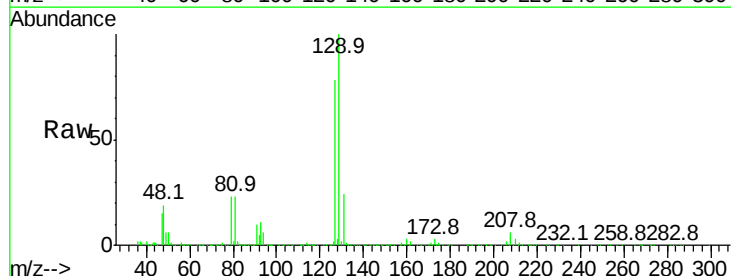
Instrument :
MSVOA_R
ClientSampleId :
VSTD00598

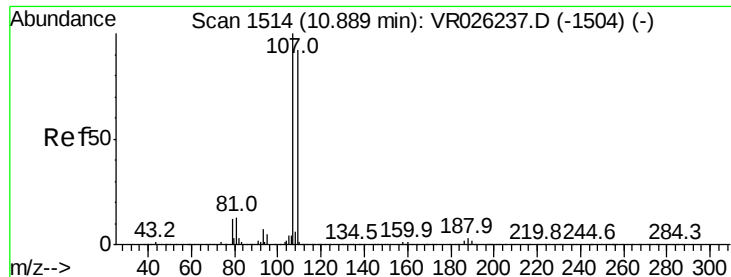
Tgt Ion:	43	Resp:	353497
Ion	Ratio	Lower	Upper
43	100		
58	50.5	41.3	61.9
57	17.7	14.5	21.7
100	9.5	7.5	11.3



#49
Dibromochloromethane
Concen: 4.702 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VR026257.D
Acq: 21 Nov 2018 12:43

Tgt Ion:	129	Resp:	87322
Ion	Ratio	Lower	Upper
129	100		
127	78.0	52.8	98.0

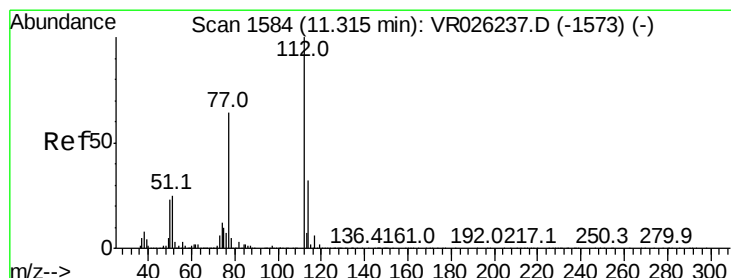
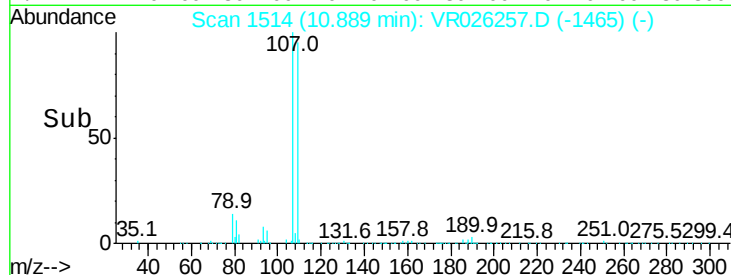
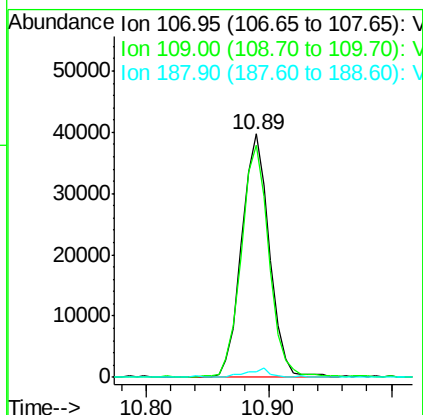
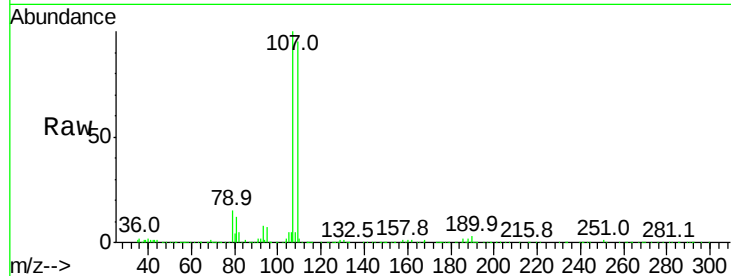




#50
1,2-Dibromoethane
Concen: 4.690 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VR026257.D
Acq: 21 Nov 2018 12:43

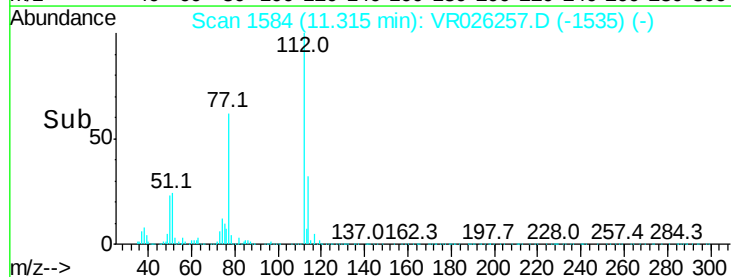
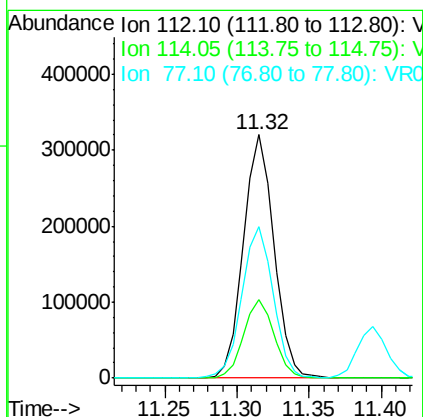
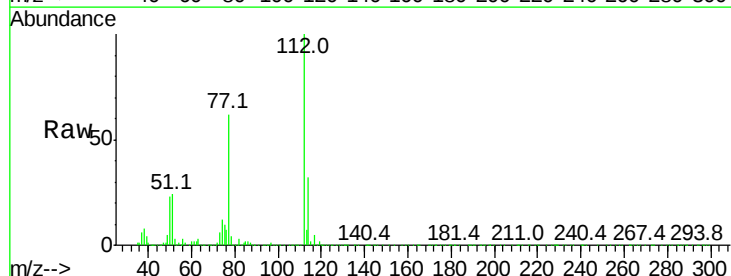
Instrument :
MSVOA_R
ClientSampled :
VSTD00598

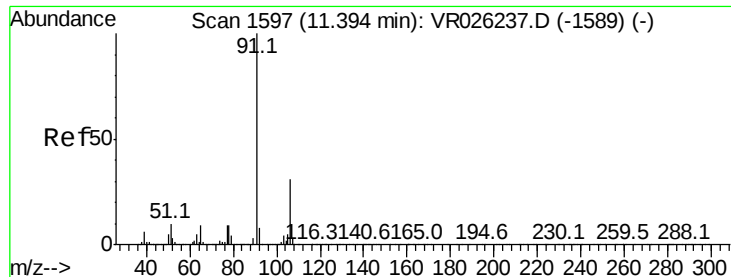
Tgt Ion:107 Resp: 62497
Ion Ratio Lower Upper
107 100
109 95.1 62.1 115.3
188 2.5 2.2 3.2



#51
Chlorobenzene
Concen: 4.689 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VR026257.D
Acq: 21 Nov 2018 12:43

Tgt Ion:112 Resp: 470321
Ion Ratio Lower Upper
112 100
114 32.5 23.0 42.6
77 62.3 51.5 77.3





#52

Ethylbenzene

Concen: 4.899 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR026257.D

Acq: 21 Nov 2018 12:43

Instrument :

MSVOA_R

ClientSampleId :

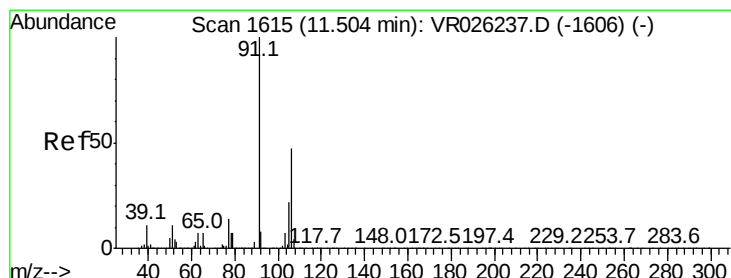
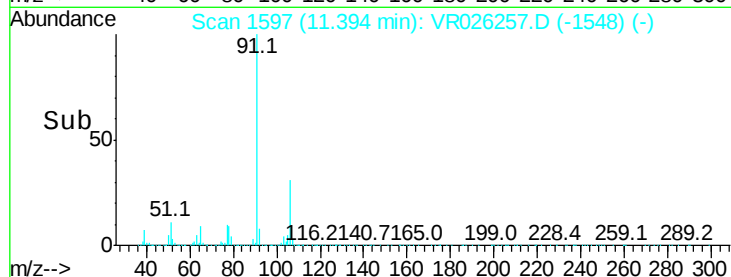
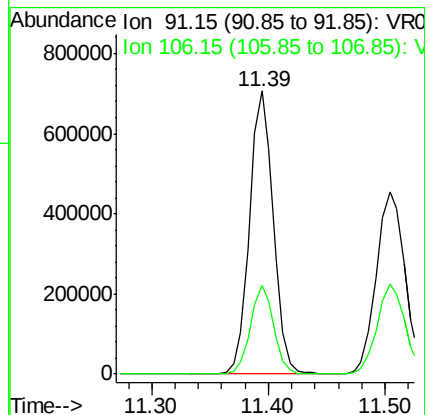
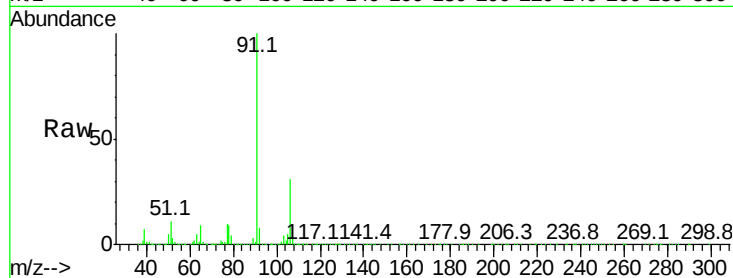
VSTD00598

Tgt Ion: 91 Resp: 1005767

Ion Ratio Lower Upper

91 100

106 31.5 21.3 39.6



#53

m,p-Xylene

Concen: 4.951 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR026257.D

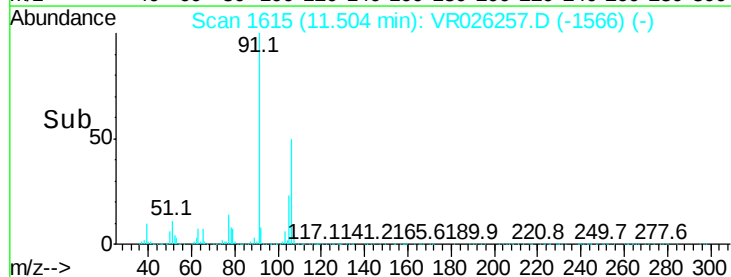
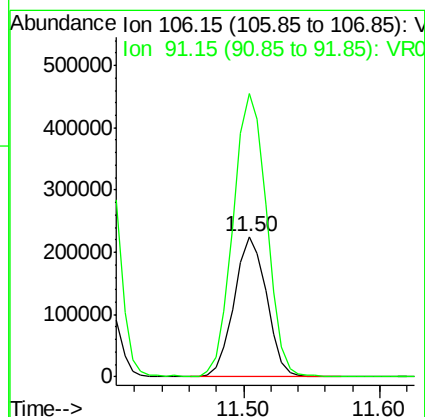
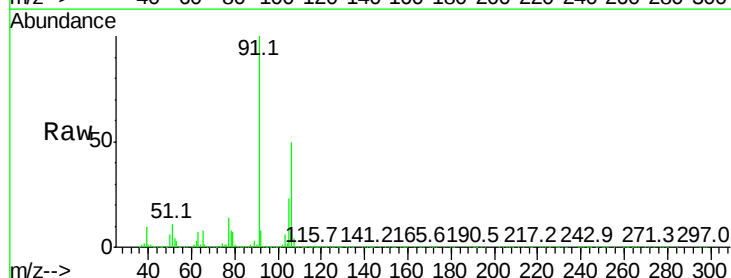
Acq: 21 Nov 2018 12:43

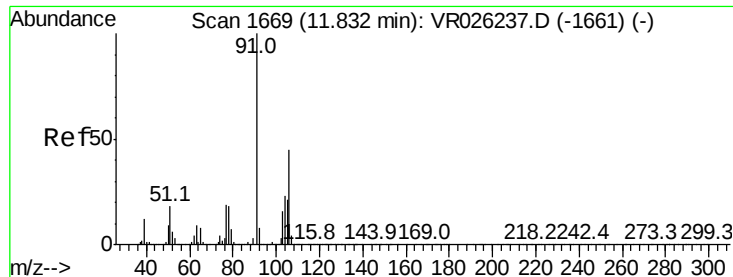
Tgt Ion: 106 Resp: 374847

Ion Ratio Lower Upper

106 100

91 201.7 147.2 273.4

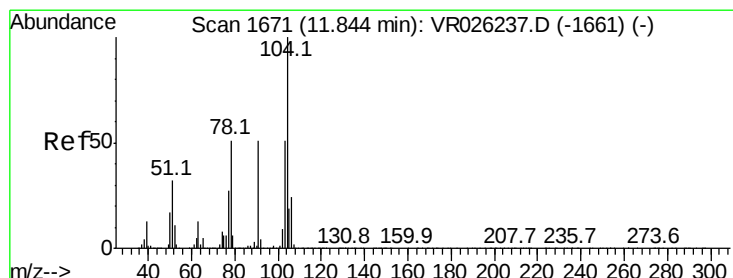
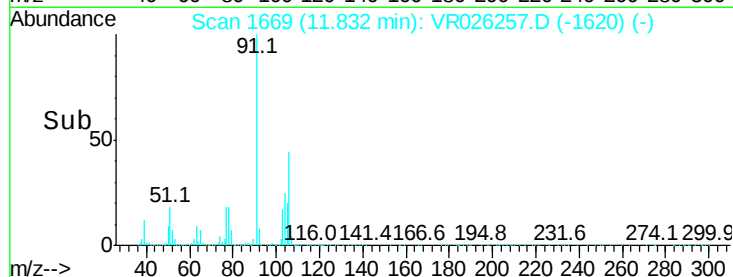
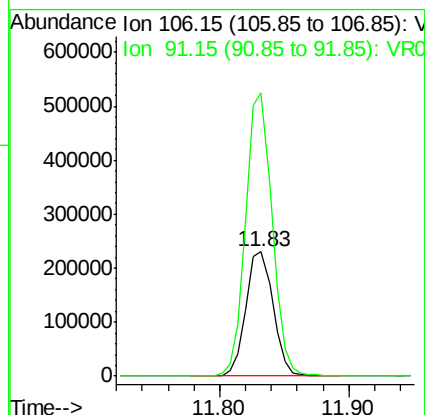
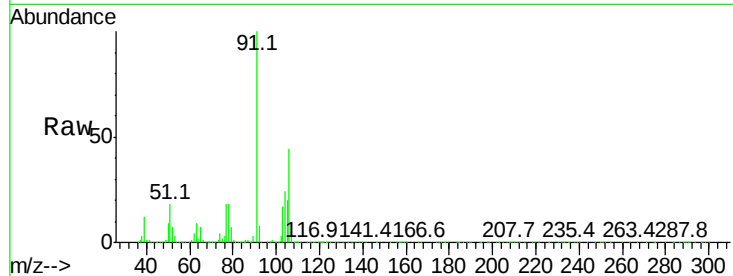




#54
o-Xylene
Concen: 4.850 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.00 min
Lab File: VR026257.D
Acq: 21 Nov 2018 12:43

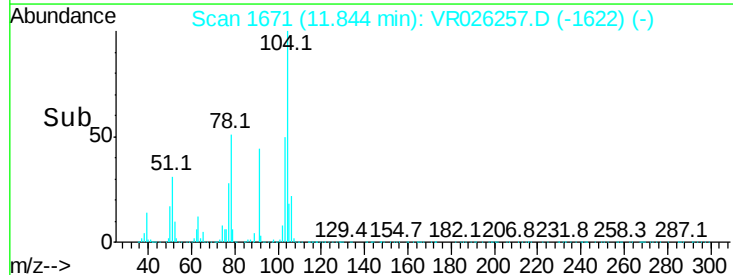
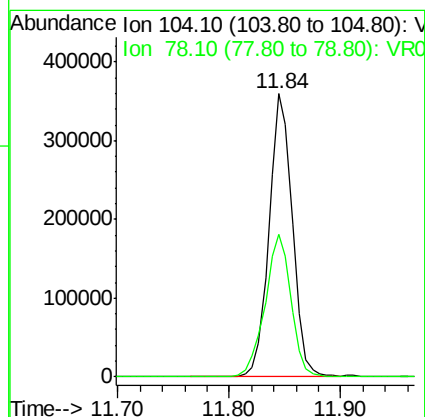
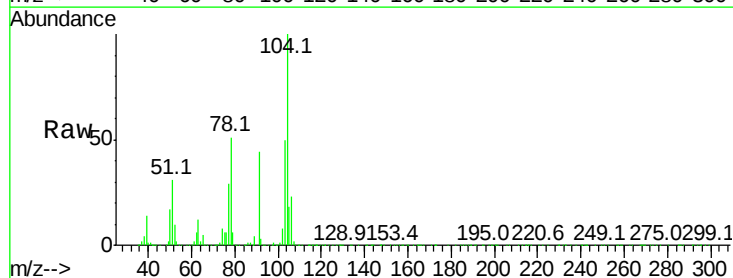
Instrument :
MSVOA_R
ClientSampled :
VSTD00598

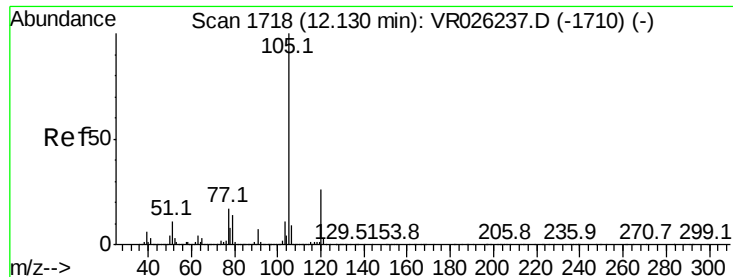
Tgt Ion:106 Resp: 336203
Ion Ratio Lower Upper
106 100
91 228.0 159.0 295.4



#55
Styrene
Concen: 4.953 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026257.D
Acq: 21 Nov 2018 12:43

Tgt Ion:104 Resp: 523974
Ion Ratio Lower Upper
104 100
78 50.6 35.4 65.7





#56

Isopropylbenzene

Concen: 5.018 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026257.D

Acq: 21 Nov 2018 12:43

Instrument :

MSVOA_R

ClientSampleId :

VSTD00598

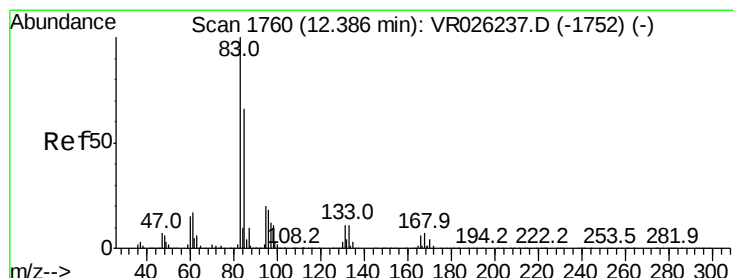
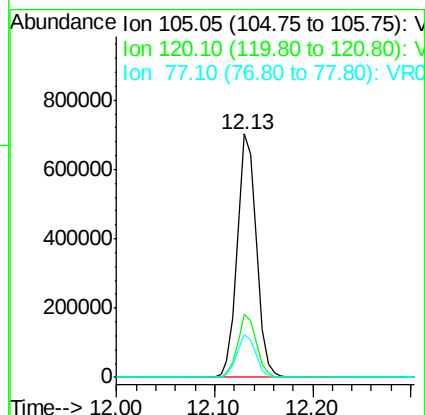
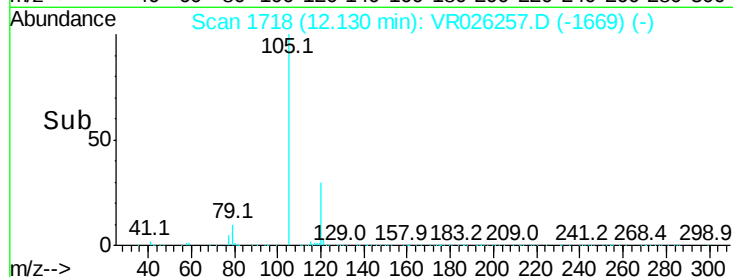
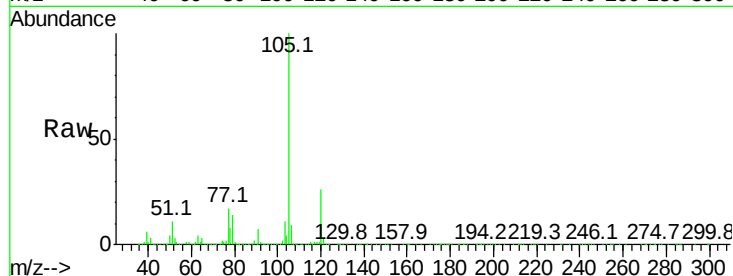
Tgt Ion:105 Resp: 952966

Ion Ratio Lower Upper

105 100

120 25.4 20.9 31.3

77 17.3 13.8 20.6



#58

1,1,2,2-Tetrachloroethane

Concen: 4.796 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VR026257.D

Acq: 21 Nov 2018 12:43

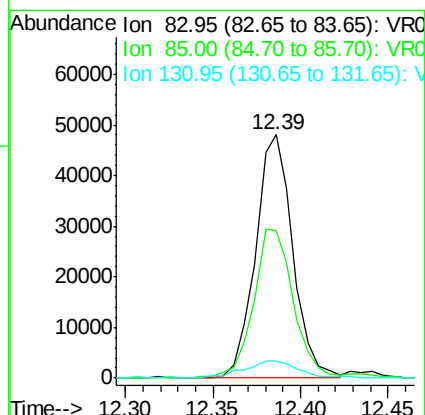
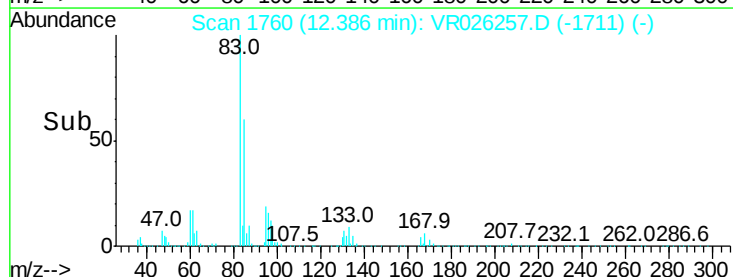
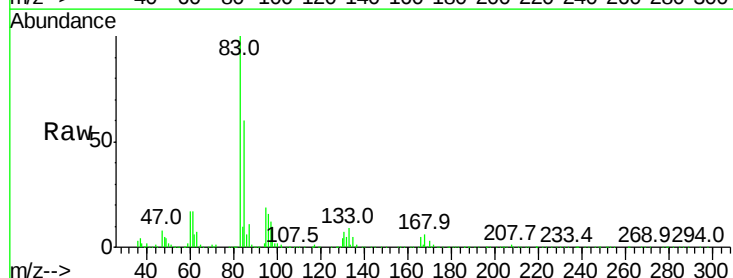
Tgt Ion: 83 Resp: 71339

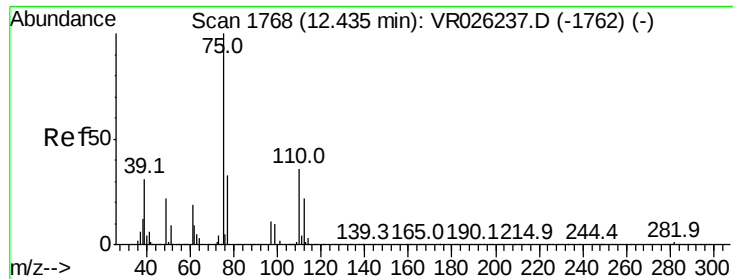
Ion Ratio Lower Upper

83 100

85 60.4 44.5 82.7

131 6.8 7.1 10.7#





#59

1,2,3-Trichloropropane

Concen: 4.671 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VR026257.D

Acq: 21 Nov 2018 12:43

Instrument :

MSVOA_R

ClientSampleId :

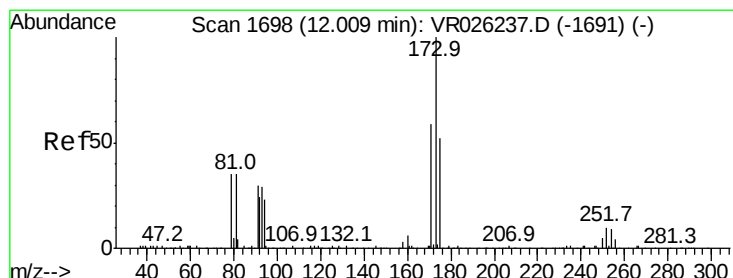
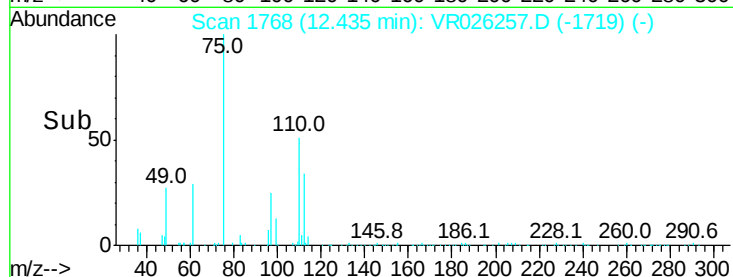
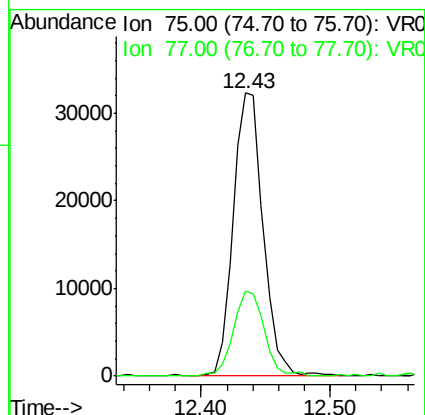
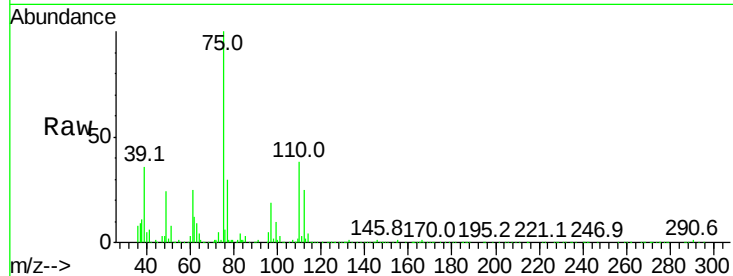
VSTD00598

Tgt Ion: 75 Resp: 52089

Ion Ratio Lower Upper

75 100

77 31.4 26.1 39.1



#61

Bromoform

Concen: 4.786 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR026257.D

Acq: 21 Nov 2018 12:43

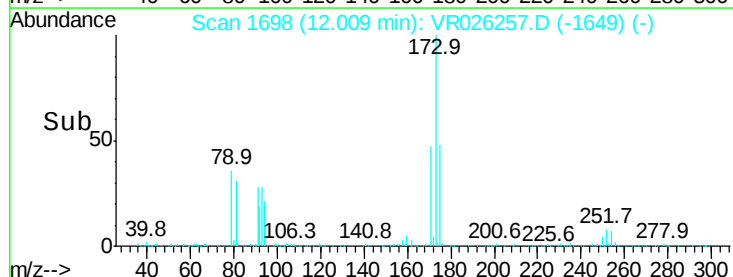
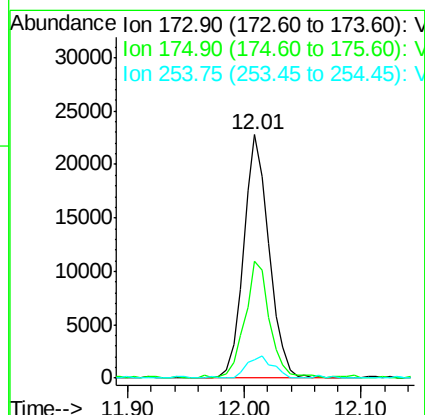
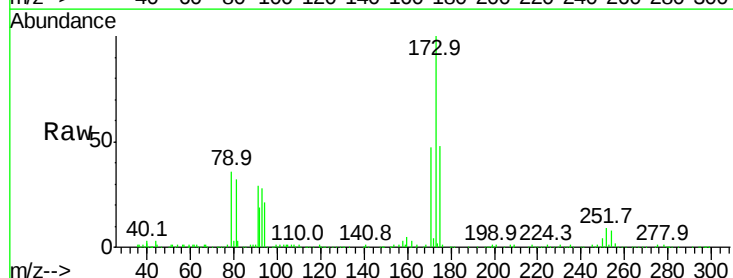
Tgt Ion: 173 Resp: 34459

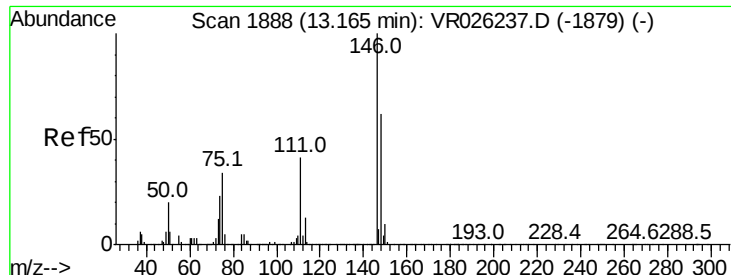
Ion Ratio Lower Upper

173 100

175 47.2 37.8 56.8

254 9.5 7.5 11.3

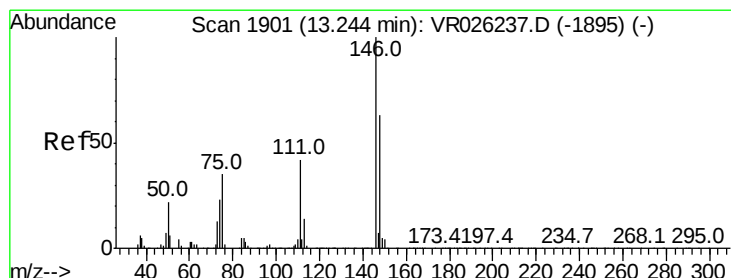
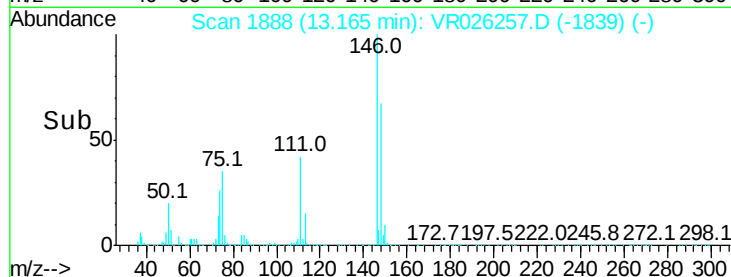
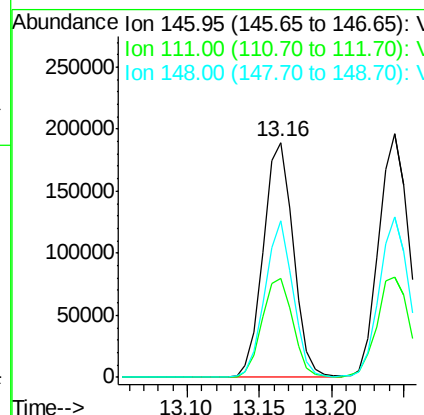
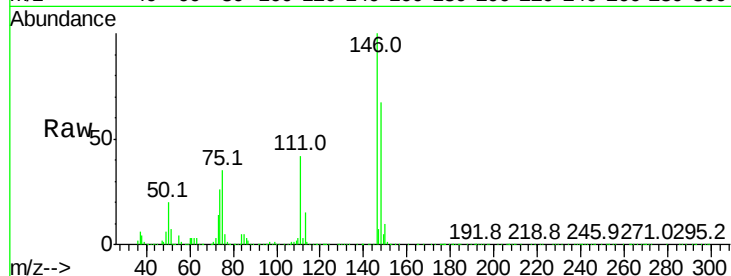




#62
 1,3-Dichlorobenzene
 Concen: 4.531 ug/L
 RT: 13.16 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VR026257.D
 Acq: 21 Nov 2018 12:43

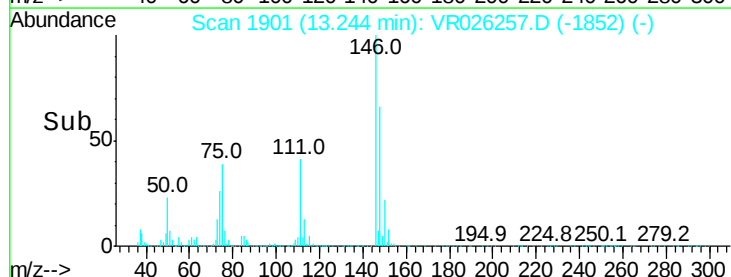
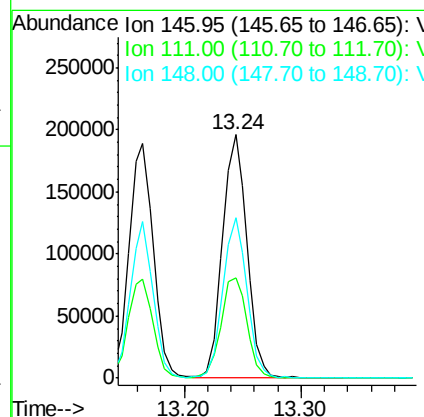
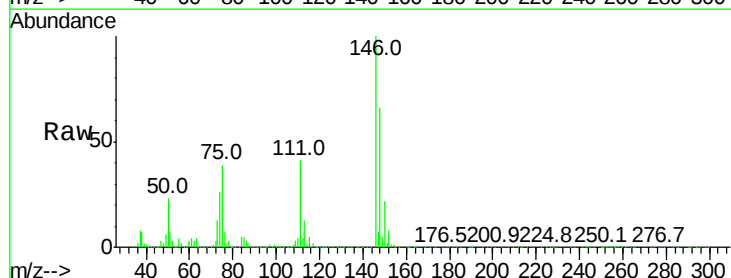
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00598

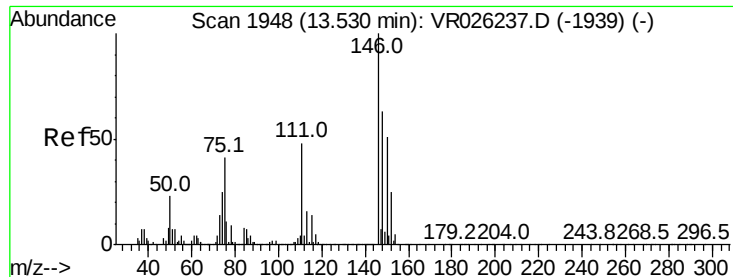
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	29.9	55.5
148	66.5	45.6	84.8



#63
 1,4-Dichlorobenzene
 Concen: 4.382 ug/L
 RT: 13.24 min Scan# 1901
 Delta R.T. 0.00 min
 Lab File: VR026257.D
 Acq: 21 Nov 2018 12:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	29.0	53.9
148	66.1	45.6	84.8

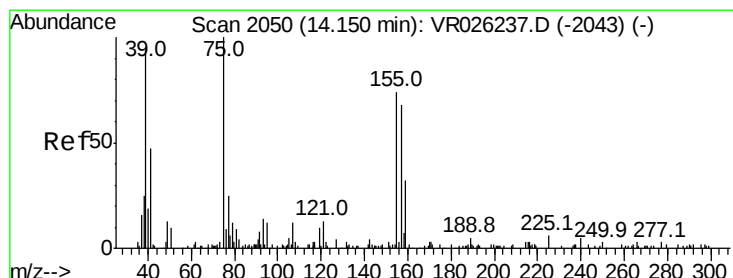
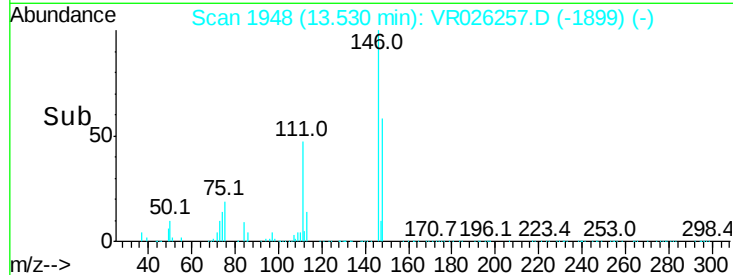
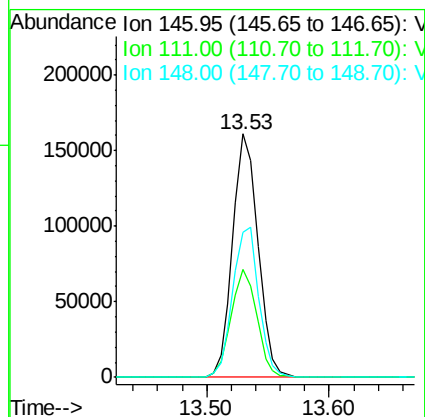
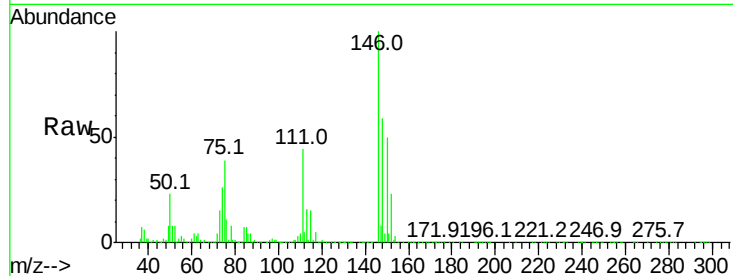




#65
 1,2-Dichlorobenzene
 Concen: 4.682 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. 0.00 min
 Lab File: VR026257.D
 Acq: 21 Nov 2018 12:43

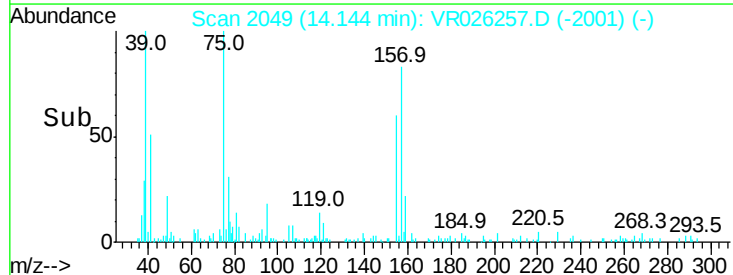
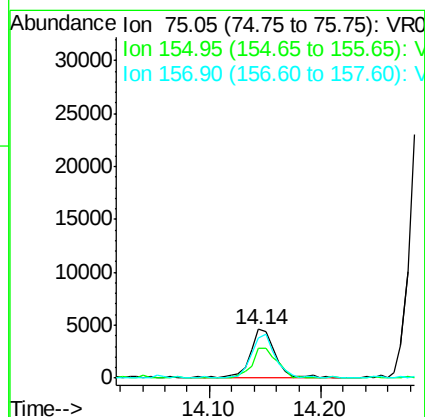
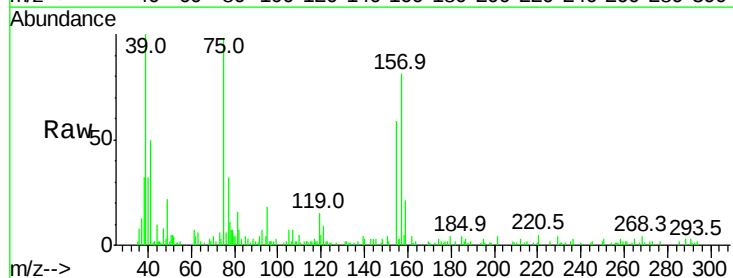
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00598

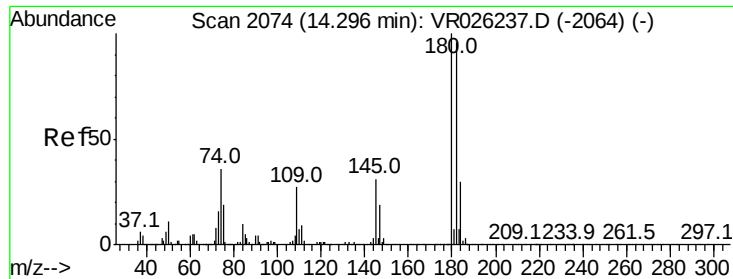
Tgt Ion: 146 Resp: 229857
 Ion Ratio Lower Upper
 146 100
 111 44.4 33.7 50.5
 148 59.5 48.2 72.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.467 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.01 min
 Lab File: VR026257.D
 Acq: 21 Nov 2018 12:43

Tgt Ion: 75 Resp: 7332
 Ion Ratio Lower Upper
 75 100
 155 59.9 46.0 69.0
 157 83.1 65.5 98.3

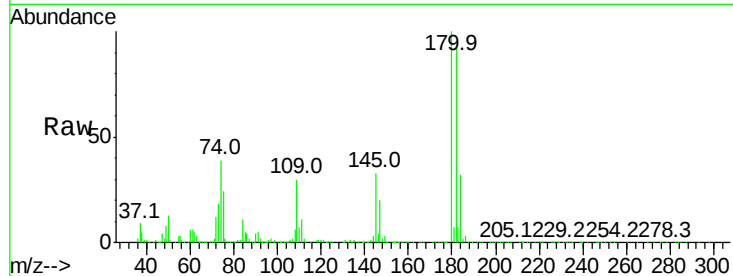




#67
 1,3,5-Trichlorobenzene
 Concen: 4.304 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.01 min
 Lab File: VR026257.D
 Acq: 21 Nov 2018 12:43

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00598

Tgt Ion:	180	Resp:	166588
Ion Ratio	Lower	Upper	
180	100		
182	92.5	76.5	114.7
184	31.7	24.7	37.1
145	33.2	26.2	39.4

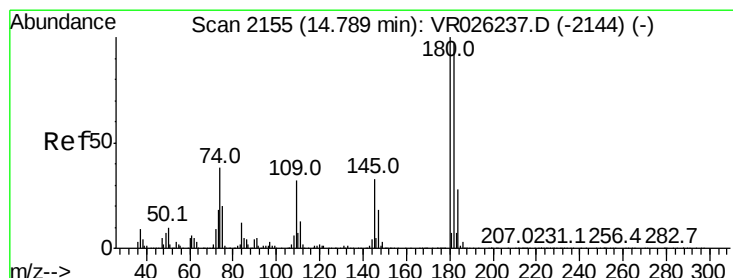
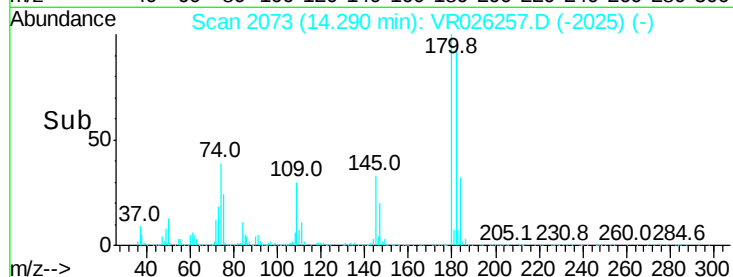
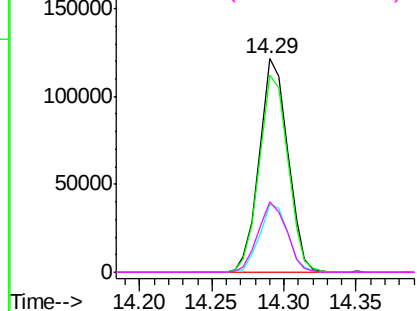


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

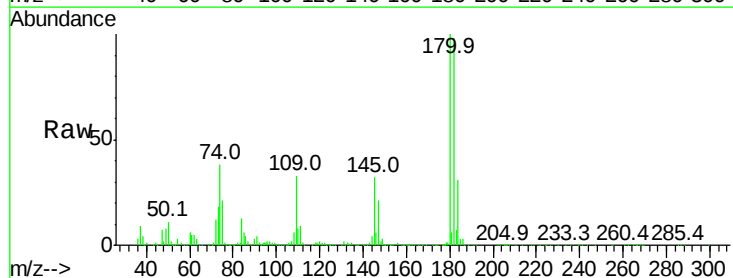
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.429 ug/L
 RT: 14.79 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VR026257.D
 Acq: 21 Nov 2018 12:43

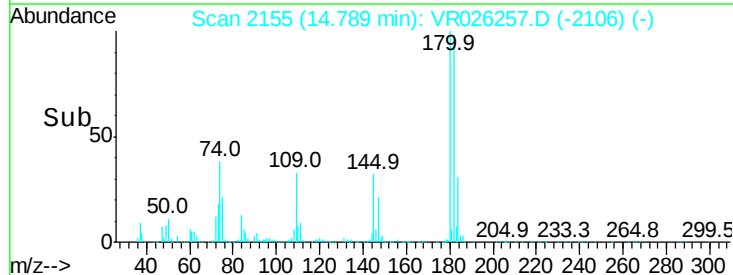
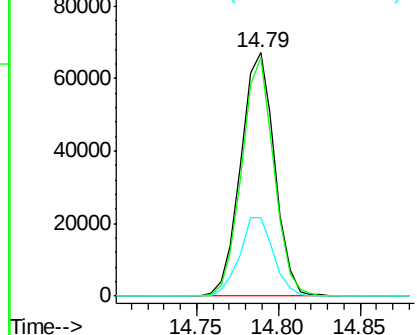
Tgt Ion:	180	Resp:	96943
Ion Ratio	Lower	Upper	
180	100		
182	93.6	76.2	114.4
145	32.5	26.2	39.4

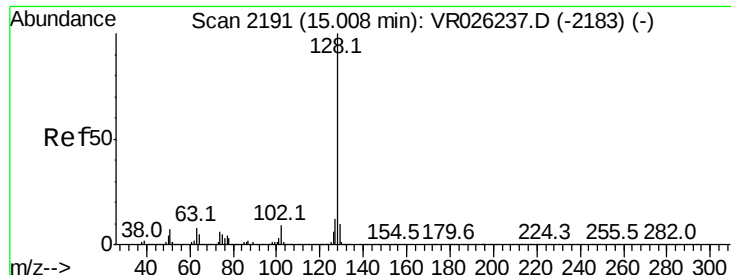


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.521 ug/L

RT: 15.01 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VR026257.D

Acq: 21 Nov 2018 12:43

Instrument :

MSVOA_R

ClientSampleId :

VSTD00598

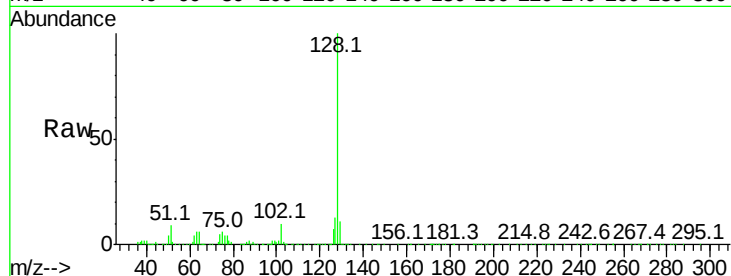
Tgt Ion:128 Resp: 96385

Ion Ratio Lower Upper

128 100

127 12.7 10.6 16.0

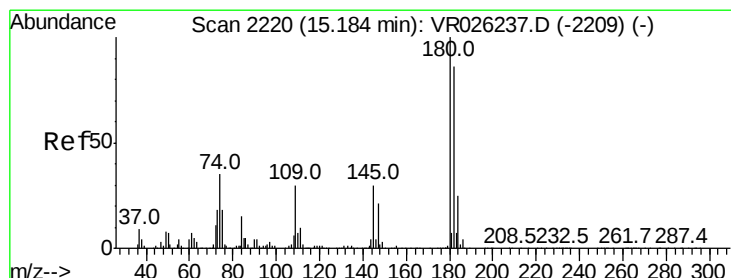
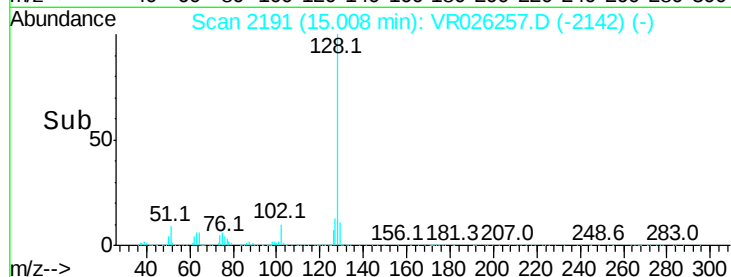
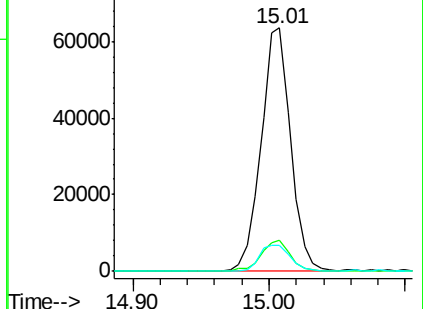
129 11.5 9.0 13.6



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: 4.646 ug/L

RT: 15.18 min Scan# 2220

Delta R.T. 0.00 min

Lab File: VR026257.D

Acq: 21 Nov 2018 12:43

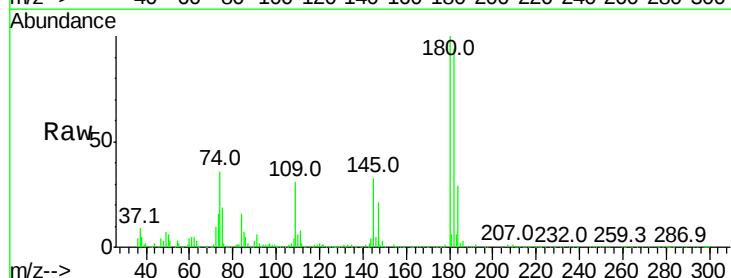
Tgt Ion:180 Resp: 72750

Ion Ratio Lower Upper

180 100

182 92.4 74.4 111.6

145 35.2 29.0 43.6



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

