

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071318\
 Data File : VR025471.D
 Acq On : 13 Jul 2018 20:24
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00591

Quant Time: Jul 13 23:52:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 13 23:51:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	712714	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	565964	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	224590	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	96333	4.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.00%
7) Chloroethane-d5	2.63	69	89876	5.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.40%
11) 1,1-Dichloroethene-d2	3.63	63	279555	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.00%
20) 2-Butanone-d5	6.59	46	314390	51.51	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.02%
24) Chloroform-d	7.20	84	467834	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
26) 1,2-Dichloroethane-d4	7.89	65	172424	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
32) Benzene-d6	7.86	84	964321	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
36) 1,2-Dichloropropane-d6	8.90	67	268475	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.80%
41) Toluene-d8	9.97	98	836981	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
43) trans-1,3-Dichloropropene-	10.24	79	65668	4.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.20%
46) 2-Hexanone-d5	10.59	63	263139	55.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.86%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	122439	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.60%
64) 1,2-Dichlorobenzene-d4	13.51	152	190772	5.14	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	197721	4.911 ug/L	97
3) Chloromethane	2.01	50	137184	5.747 ug/L	100
5) Vinyl chloride	2.16	62	116960	5.454 ug/L	97
6) Bromomethane	2.53	94	72938	5.780 ug/L	95
8) Chloroethane	2.66	64	73103	5.475 ug/L	94
9) Trichlorofluoromethane	2.93	101	77275	2.205 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	114636	5.374 ug/L	98
12) 1,1-Dichloroethene	3.65	96	115661	5.428 ug/L	88
13) Acetone	3.70	43	121193	44.077 ug/L	98
14) Carbon disulfide	3.95	76	298159	6.149 ug/L	95
15) Methyl Acetate	4.19	43	27739	4.509 ug/L	97
16) Methylene chloride	4.41	84	98074	4.699 ug/L	86
17) Methyl tert-butyl Ether	4.89	73	318753	4.590 ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	263476	4.971 ug/L	93
19) 1,1-Dichloroethane	5.69	63	442029	4.861 ug/L	99
21) 2-Butanone	6.69	43	290967	45.430 ug/L	97
22) cis-1,2-Dichloroethene	6.68	96	253456	5.211 ug/L	96

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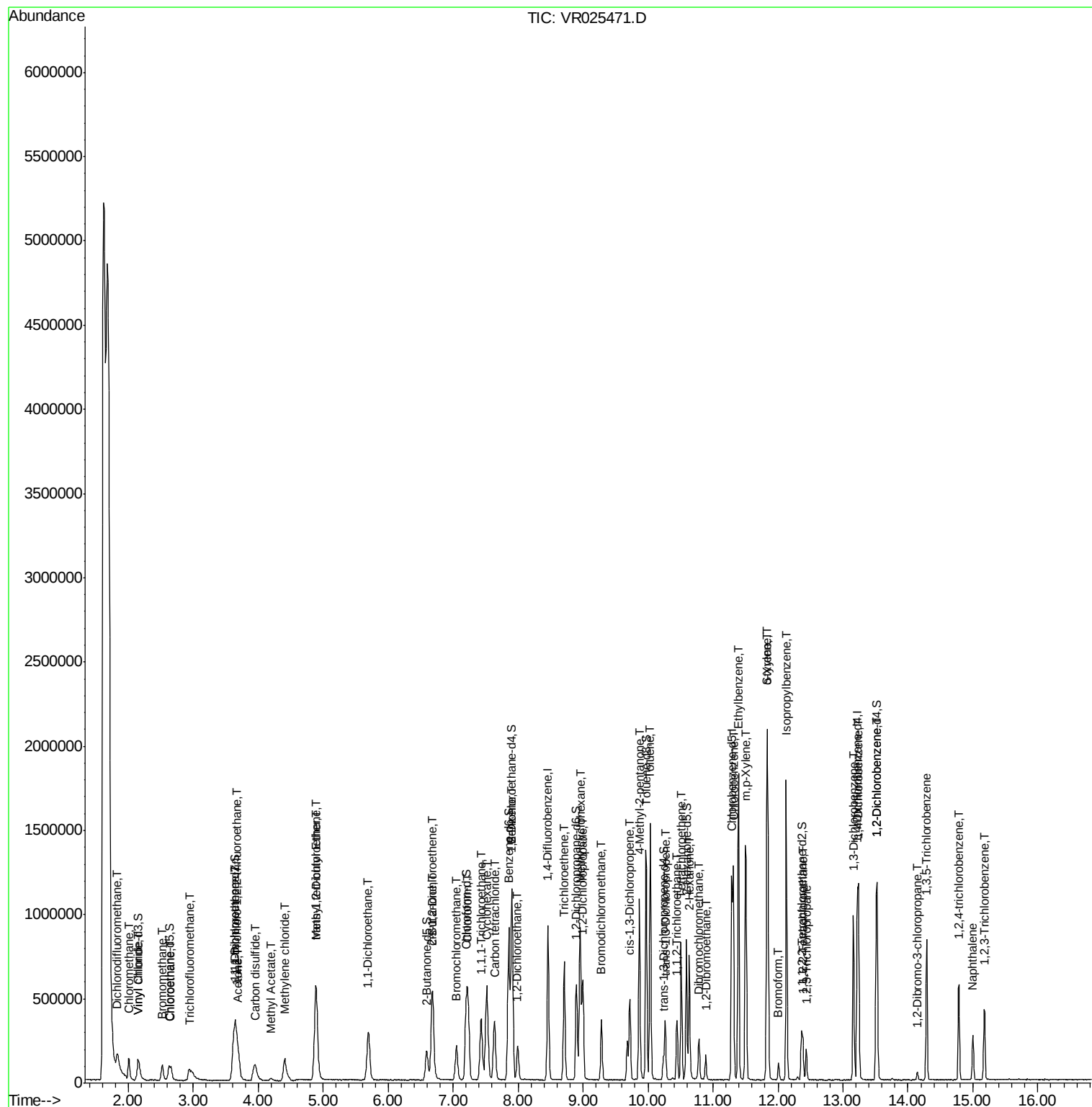
23) Bromochloromethane	7.05	128	73376	4.685	ug/L	91
25) Chloroform	7.23	83	412287	4.720	ug/L	99
27) 1,2-Dichloroethane	7.99	62	174677	4.461	ug/L #	92
29) 1,1,1-Trichloroethane	7.43	97	309469	5.376	ug/L	100
30) Cyclohexane	7.52	56	354958	5.748	ug/L	96
31) Carbon tetrachloride	7.64	117	265471	5.213	ug/L	95
33) Benzene	7.91	78	1036703	5.314	ug/L	100
34) Trichloroethene	8.71	95	248039	4.994	ug/L	95
35) Methylcyclohexane	8.96	83	371896	5.601	ug/L	97
37) 1,2-Dichloropropane	8.99	63	223121	4.920	ug/L	99
38) Bromodichloromethane	9.28	83	228363	4.941	ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	262611	5.150	ug/L	96
40) 4-Methyl-2-pentanone	9.86	43	657868	50.062	ug/L	97
42) Toluene	10.03	91	1030514	5.432	ug/L	99
44) trans-1,3-Dichloropropene	10.27	75	182020	4.861	ug/L	96
45) 1,1,2-Trichloroethane	10.44	97	103463	4.657	ug/L	95
47) Tetrachloroethene	10.52	164	163830	5.052	ug/L	95
48) 2-Hexanone	10.64	43	436371	48.273	ug/L	95
49) Dibromochloromethane	10.78	129	111783	4.825	ug/L	97
50) 1,2-Dibromoethane	10.89	107	86692	4.817	ug/L	97
51) Chlorobenzene	11.31	112	577062	4.996	ug/L	98
52) Ethylbenzene	11.39	91	1125679	5.534	ug/L	96
53) m,p-Xylene	11.50	106	417108	5.464	ug/L	94
54) o-Xylene	11.83	106	384039	5.841	ug/L	100
55) Styrene	11.84	104	612884	5.665	ug/L	98
56) Isopropylbenzene	12.13	105	1031421	5.924	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.38	83	102799	4.697	ug/L	97
59) 1,2,3-Trichloropropane	12.44	75	73727	4.680	ug/L	100
61) Bromoform	12.01	173	40328	4.409	ug/L	97
62) 1,3-Dichlorobenzene	13.16	146	341340	5.187	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	357713	4.897	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	293083	5.125	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.14	75	10758	4.253	ug/L #	72
67) 1,3,5-Trichlorobenzene	14.29	180	226411	5.268	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	142169	4.812	ug/L	97
69) Naphthalene	15.00	128	183098	4.840	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	114687	5.033	ug/L	99

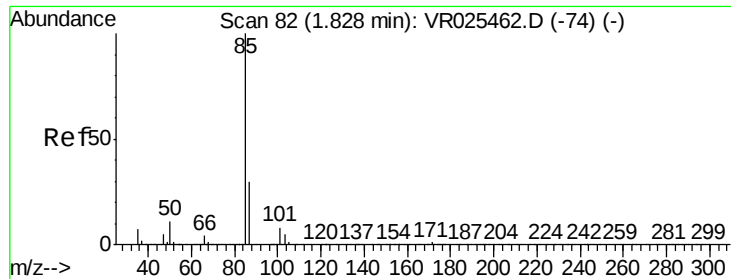
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.911 ug/L

RT: 1.83 min Scan# 83

Delta R.T. 0.01 min

Lab File: VR025471.D

Acq: 13 Jul 2018 20:24

Instrument :

MSVOA_R

ClientSampleId :

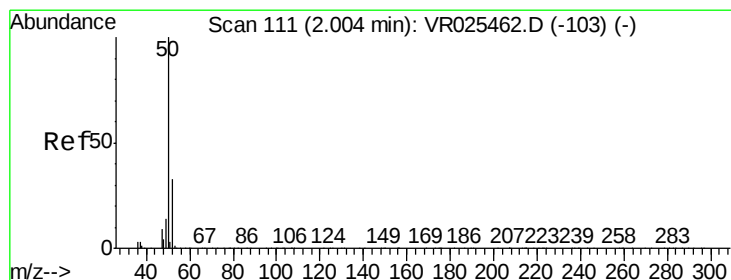
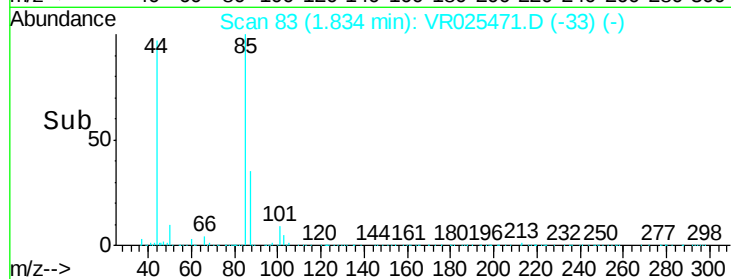
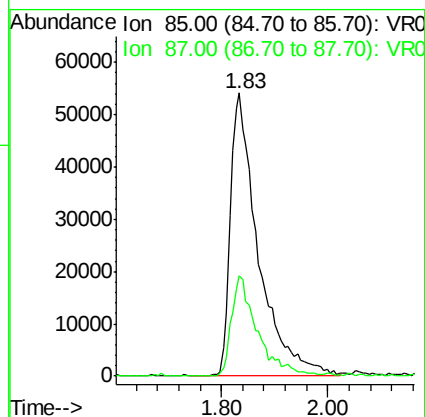
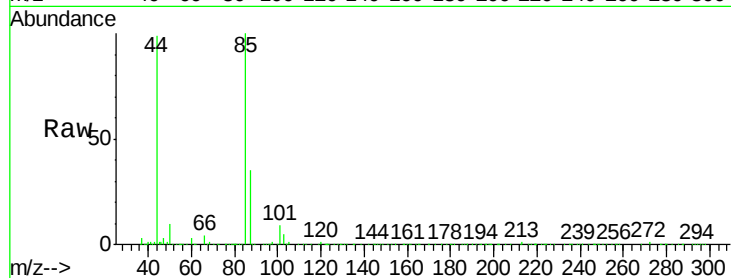
VSTD00591

Tgt Ion: 85 Resp: 197721

Ion Ratio Lower Upper

85 100

87 33.1 25.4 38.0



#3

Chloromethane

Concen: 5.747 ug/L

RT: 2.01 min Scan# 112

Delta R.T. 0.01 min

Lab File: VR025471.D

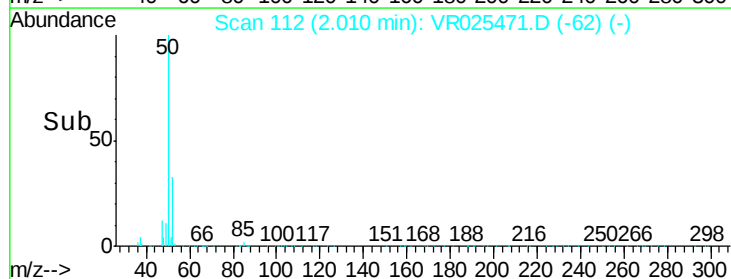
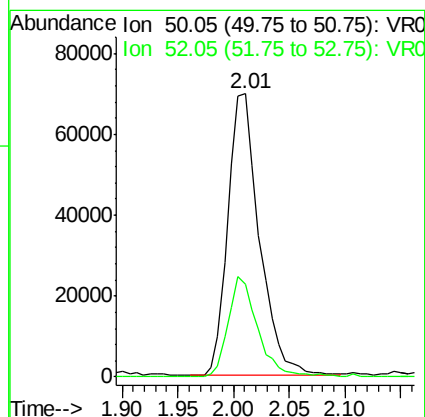
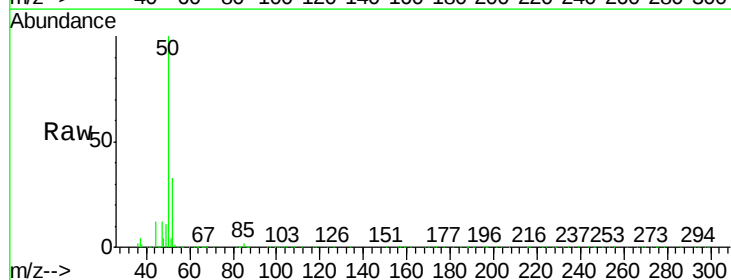
Acq: 13 Jul 2018 20:24

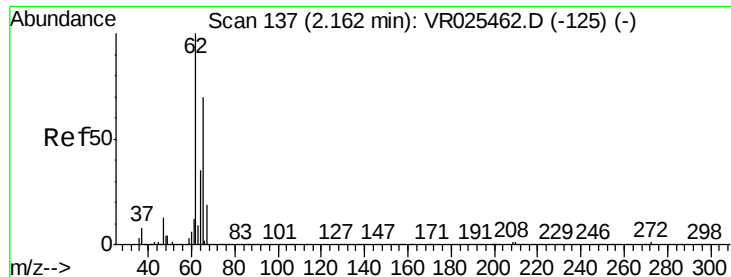
Tgt Ion: 50 Resp: 137184

Ion Ratio Lower Upper

50 100

52 32.7 22.8 42.4





#5

Vinyl chloride

Concen: 5.454 ug/L

RT: 2.16 min Scan# 137

Delta R.T. 0.00 min

Lab File: VR025471.D

Acq: 13 Jul 2018 20:24

Instrument :

MSVOA_R

ClientSampleId :

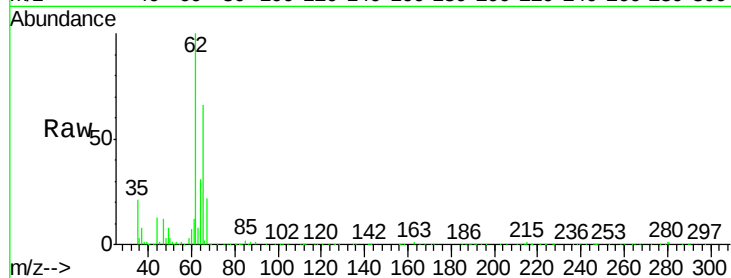
VSTD00591

Tgt Ion: 62 Resp: 116960

Ion Ratio Lower Upper

62 100

64 30.9 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0

2.16

40000

30000

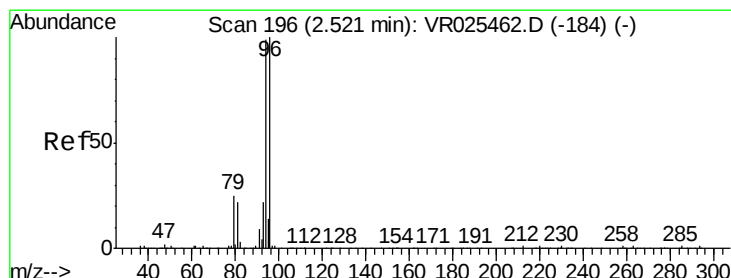
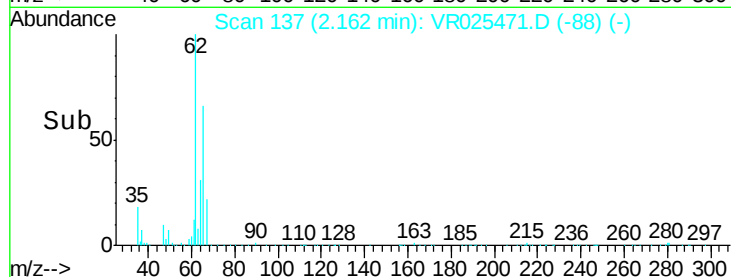
20000

10000

0

Time-->

2.00 2.10 2.20 2.30



#6

Bromomethane

Concen: 5.780 ug/L

RT: 2.53 min Scan# 197

Delta R.T. 0.01 min

Lab File: VR025471.D

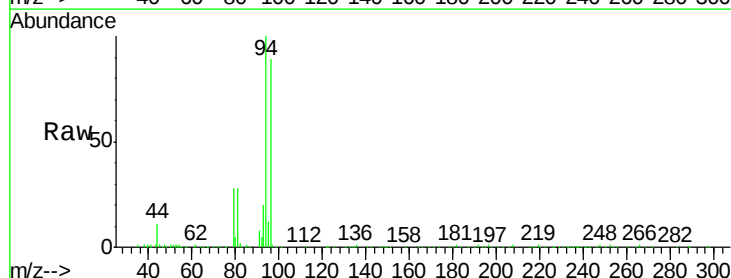
Acq: 13 Jul 2018 20:24

Tgt Ion: 94 Resp: 72938

Ion Ratio Lower Upper

94 100

96 89.2 65.9 122.3



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0

2.53

30000

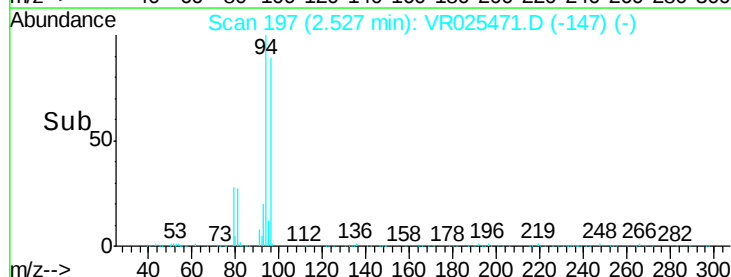
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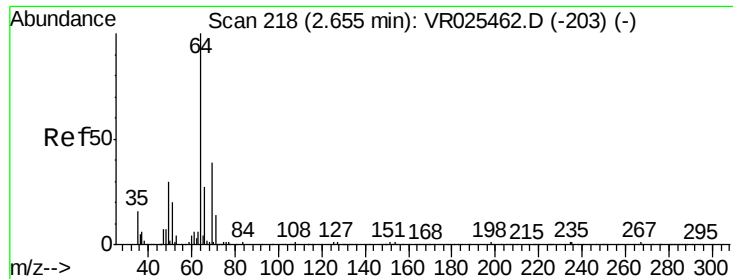
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Time-->

2.40 2.50 2.60

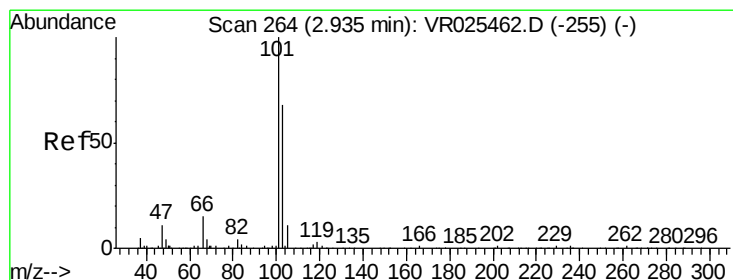
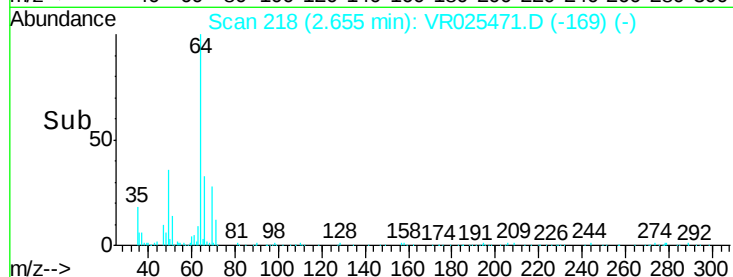
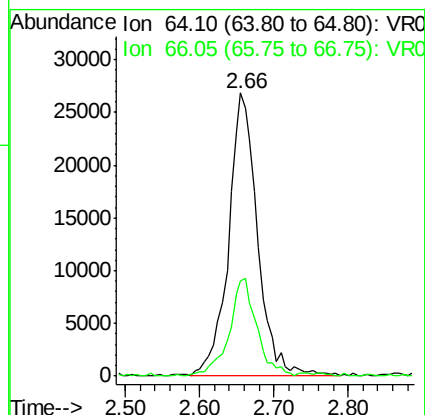
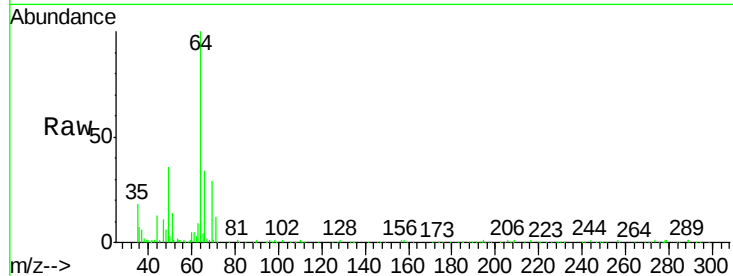




#8
Chloroethane
Concen: 5.475 ug/L
RT: 2.66 min Scan# 218
Delta R.T. 0.00 min
Lab File: VR025471.D
Acq: 13 Jul 2018 20:24

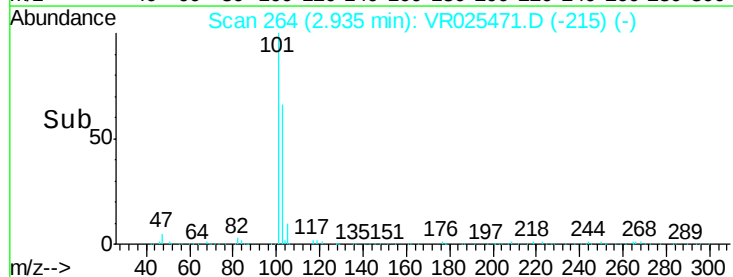
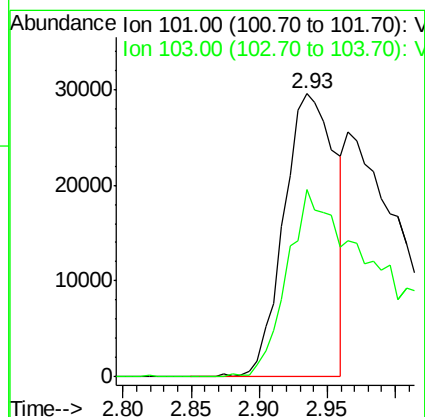
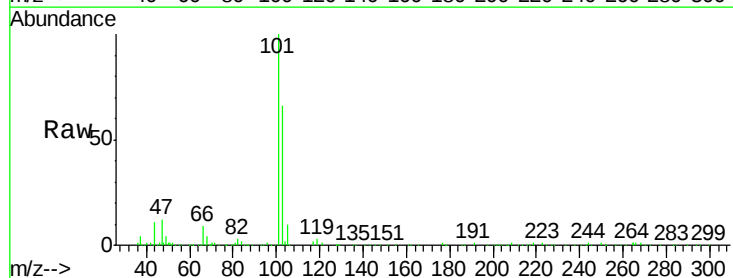
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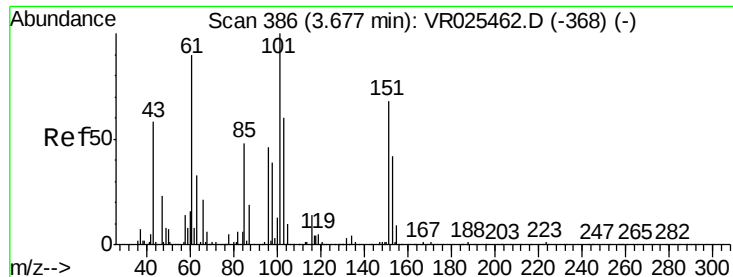
Tgt Ion: 64 Resp: 73103
Ion Ratio Lower Upper
64 100
66 33.7 21.3 39.5



#9
Trichlorofluoromethane
Concen: 2.205 ug/L
RT: 2.93 min Scan# 264
Delta R.T. 0.00 min
Lab File: VR025471.D
Acq: 13 Jul 2018 20:24

Tgt Ion: 101 Resp: 77275
Ion Ratio Lower Upper
101 100
103 138.5 11.0 16.4#





#10

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

Concen: 5.374 ug/L

RT: 3.67 min Scan# 385

Delta R.T. -0.01 min

Lab File: VR025471.D

Acq: 13 Jul 2018 20:24

Instrument :

MSVOA_R

ClientSampled :

VSTD00591

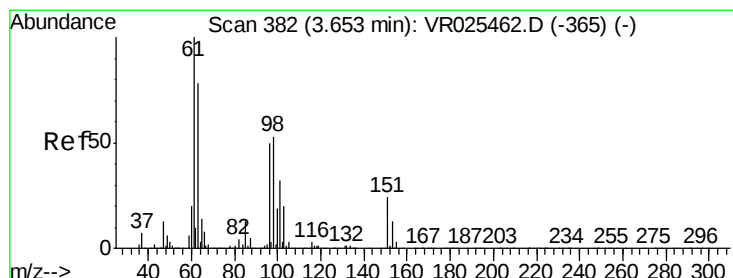
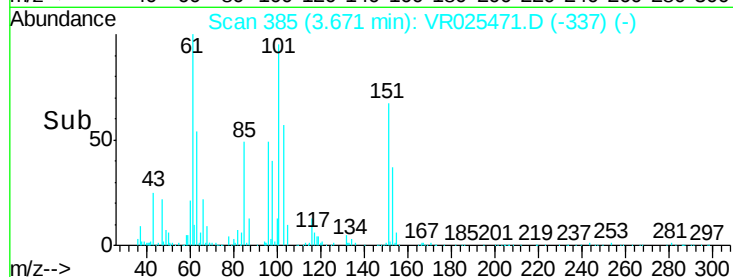
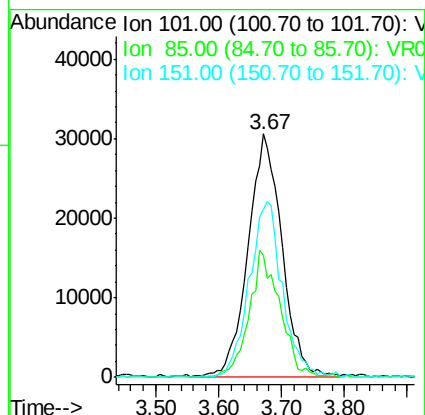
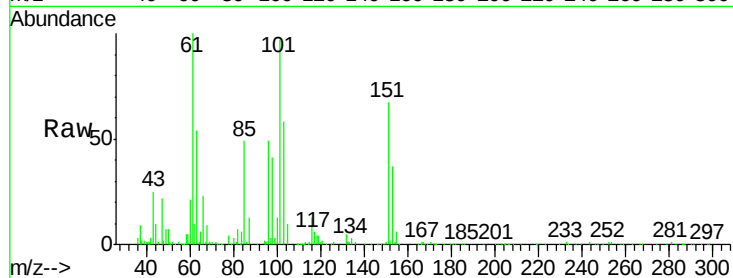
Tgt Ion:101 Resp: 114636

Ion Ratio Lower Upper

101 100

85 47.2 39.1 58.7

151 70.2 57.5 86.3



#12

1,1-Dichloroethene

Concen: 5.428 ug/L

RT: 3.65 min Scan# 381

Delta R.T. -0.01 min

Lab File: VR025471.D

Acq: 13 Jul 2018 20:24

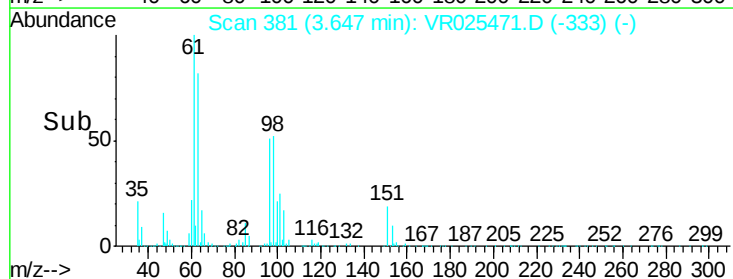
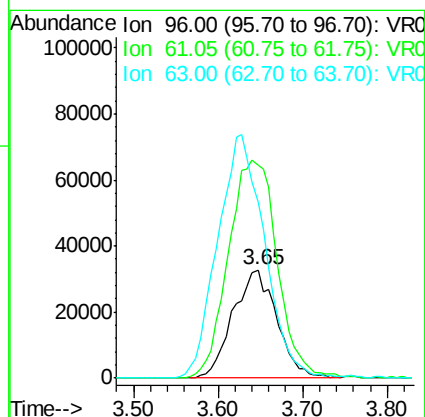
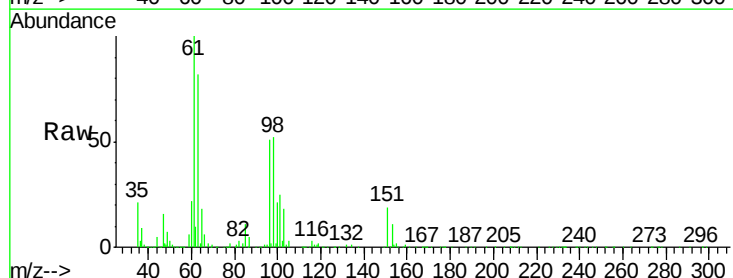
Tgt Ion: 96 Resp: 115661

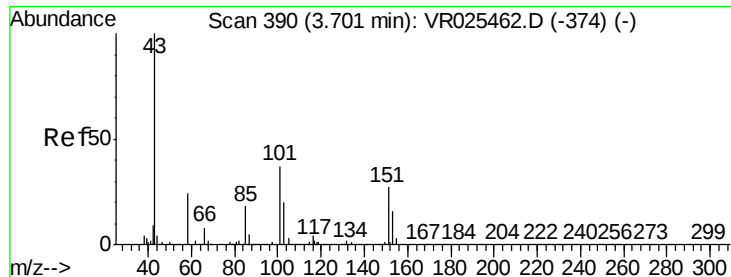
Ion Ratio Lower Upper

96 100

61 197.1 155.0 287.9

63 162.3 122.3 227.1





#13

Acetone

Concen: 44.077 ug/L

RT: 3.70 min Scan# 389

Delta R.T. -0.01 min

Lab File: VR025471.D

Acq: 13 Jul 2018 20:24

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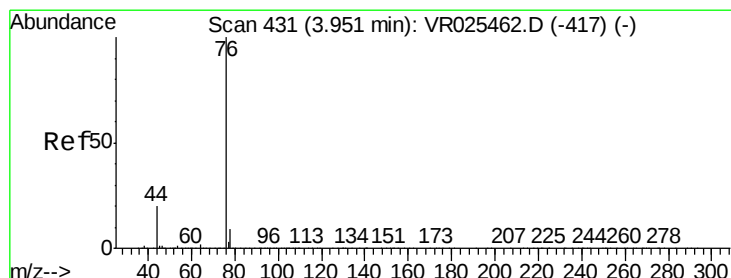
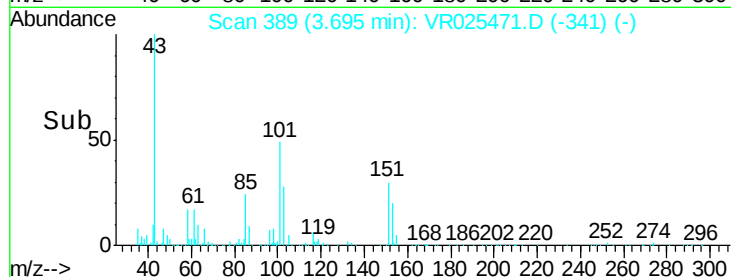
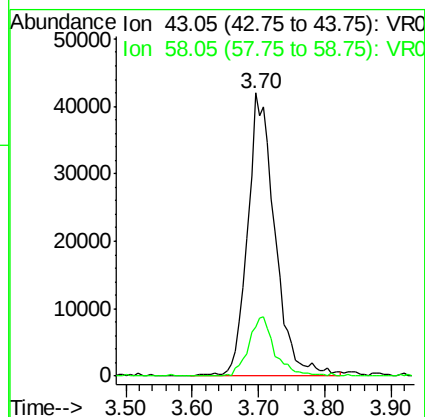
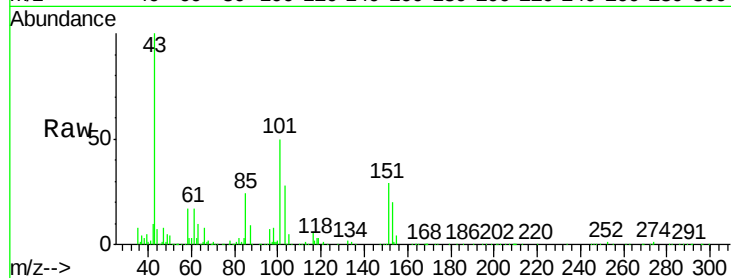
VSTD00591

Tgt Ion: 43 Resp: 121193

Ion Ratio Lower Upper

43 100

58 19.9 0.0 41.6



#14

Carbon disulfide

Concen: 6.149 ug/L

RT: 3.95 min Scan# 431

Delta R.T. 0.00 min

Lab File: VR025471.D

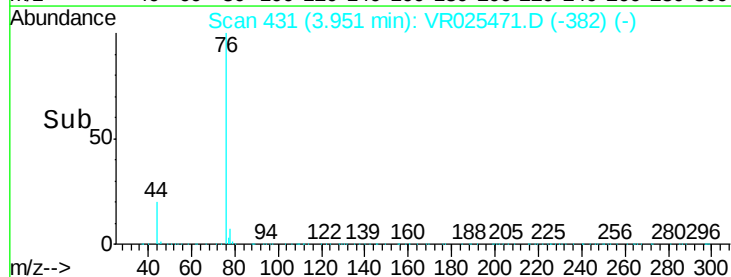
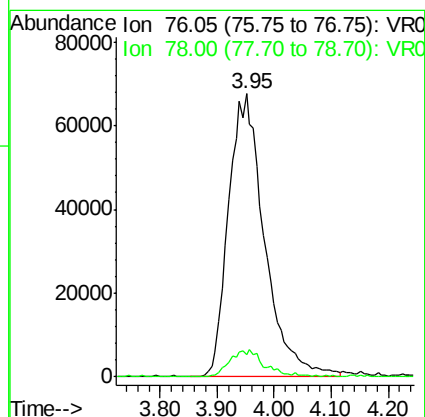
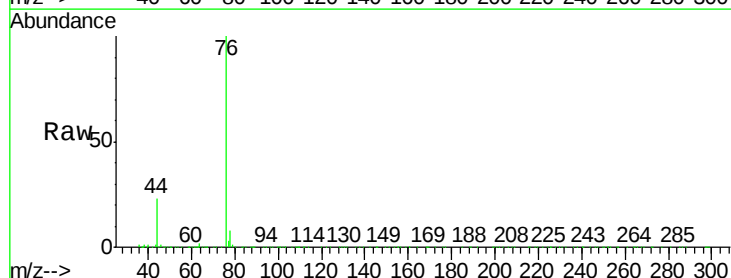
Acq: 13 Jul 2018 20:24

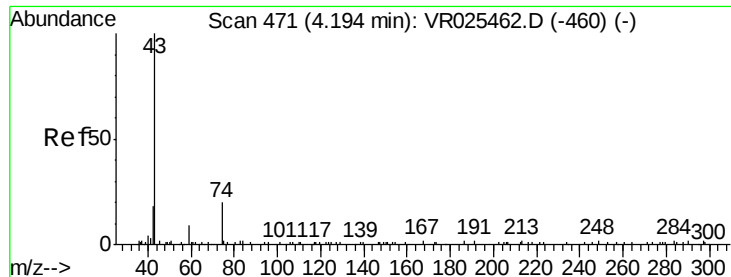
Tgt Ion: 76 Resp: 298159

Ion Ratio Lower Upper

76 100

78 7.7 7.4 11.2





#15

Methyl Acetate

Concen: 4.509 ug/L

RT: 4.19 min Scan# 471

Delta R.T. 0.00 min

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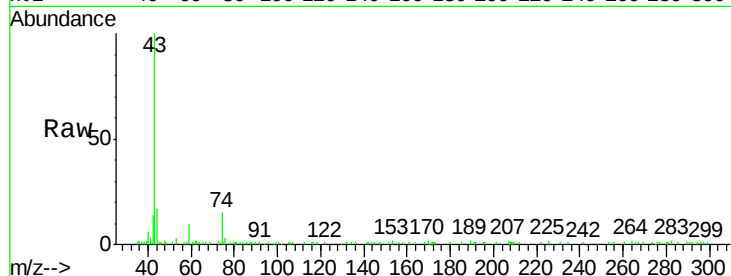
VSTD00591

Tgt Ion: 43 Resp: 27739

Ion Ratio Lower Upper

43 100

74 19.3 16.7 25.1



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0

12000

10000

8000

6000

4000

2000

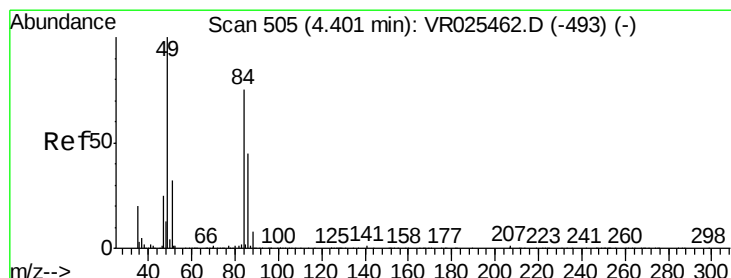
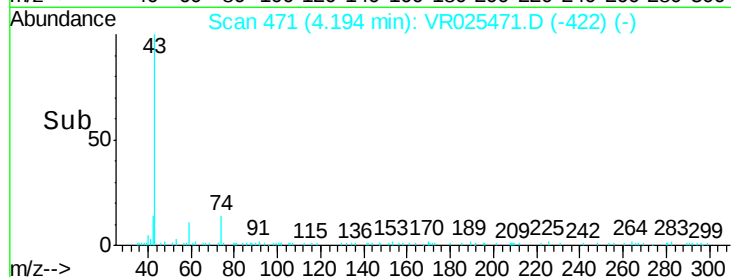
0

Time-->

4.10

4.20

4.30



#16

Methylene chloride

Concen: 4.699 ug/L

RT: 4.41 min Scan# 506

Delta R.T. 0.01 min

Lab File: VR025471.D

Acq: 13 Jul 2018 20:24

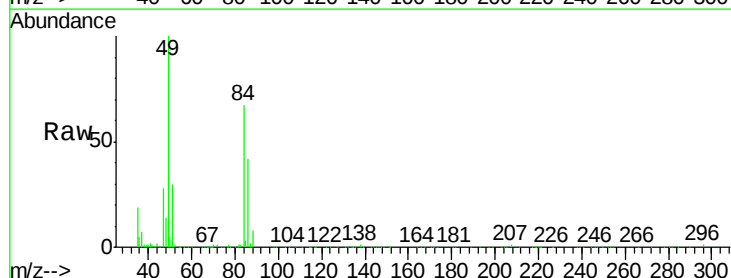
Tgt Ion: 84 Resp: 98074

Ion Ratio Lower Upper

84 100

86 63.0 43.7 81.1

49 148.4 87.2 162.0



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

50000

40000

30000

20000

10000

0

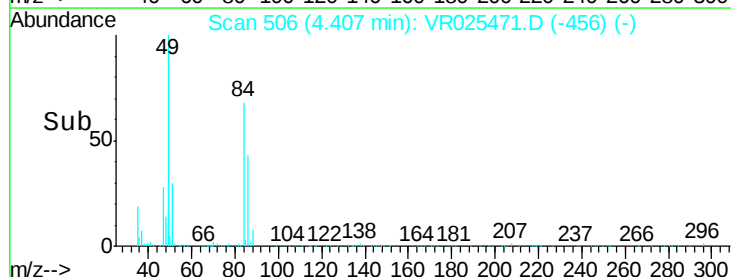
Time-->

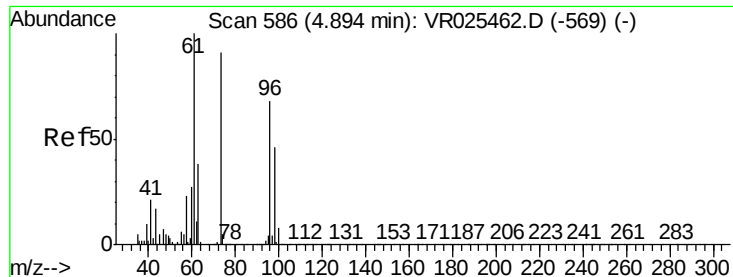
4.30

4.40

4.50

4.60



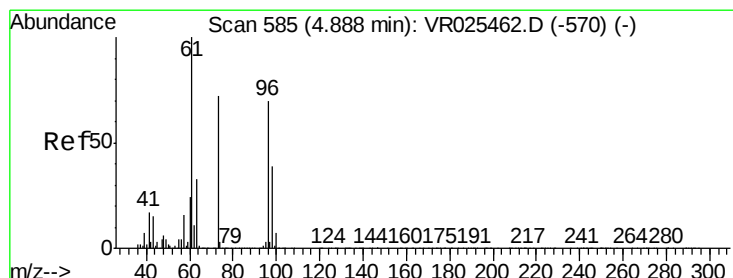
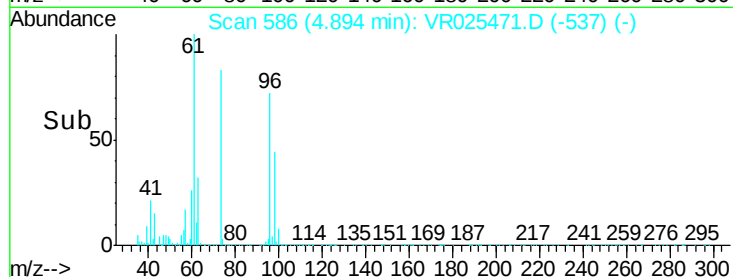
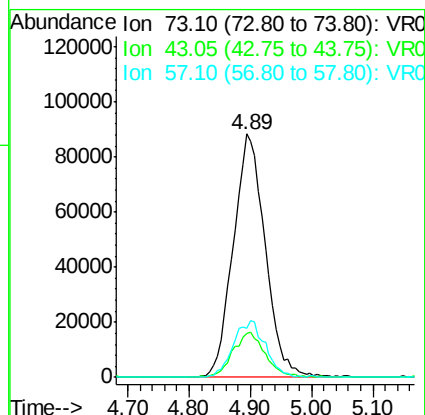
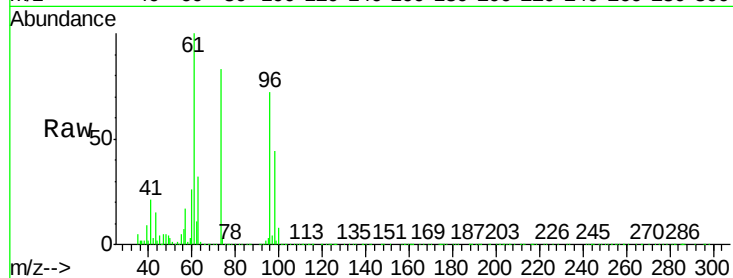


#17

Methyl tert-butyl Ether
Concen: 4.590 ug/L
RT: 4.89 min Scan# 586
Delta R.T. 0.00 min
Lab File: VR025471.D
Acq: 13 Jul 2018 20:24

Instrument :
MSVOA_R
ClientSampleId :
VSTD00591

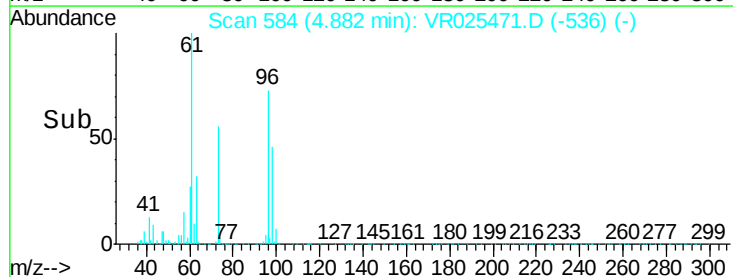
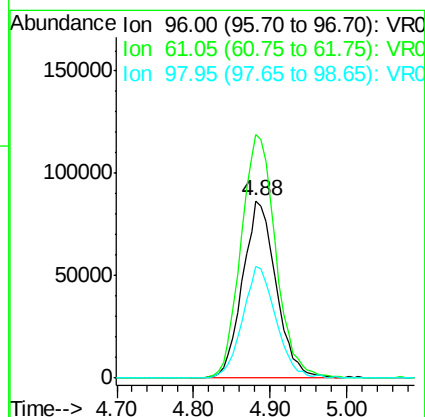
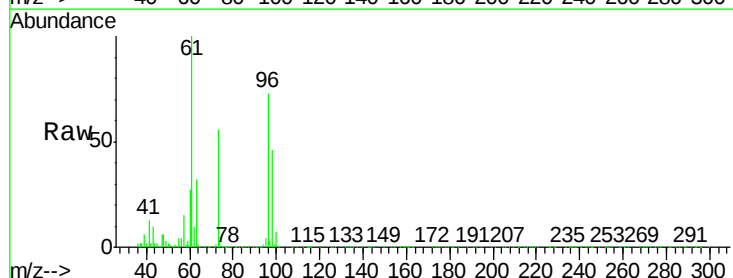
Tgt Ion:	73	Resp:	318753
Ion	Ratio	Lower	Upper
73	100		
43	18.8	15.8	23.6
57	23.3	19.0	28.4

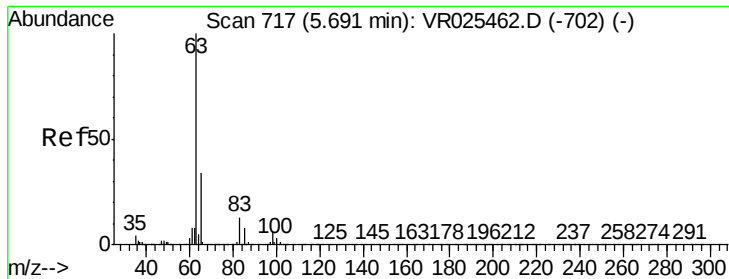


#18

trans-1,2-Dichloroethene
Concen: 4.971 ug/L
RT: 4.88 min Scan# 584
Delta R.T. -0.01 min
Lab File: VR025471.D
Acq: 13 Jul 2018 20:24

Tgt Ion:	96	Resp:	263476
Ion	Ratio	Lower	Upper
96	100		
61	137.5	104.4	193.8
98	63.2	43.1	80.1

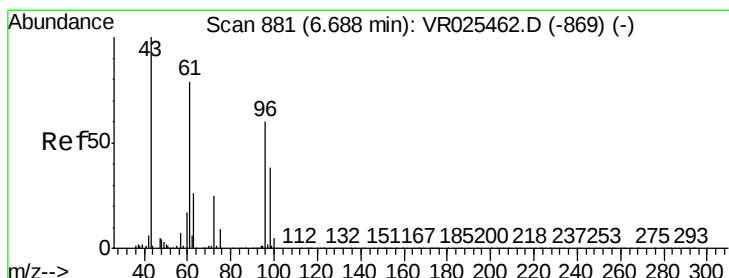
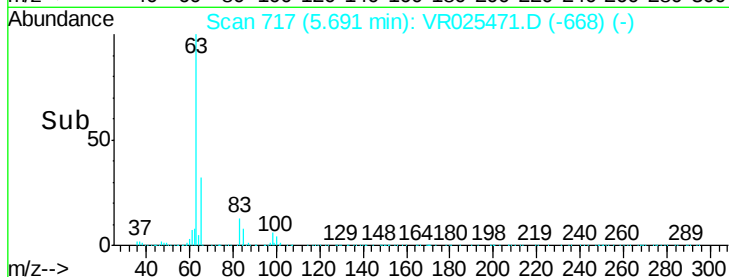
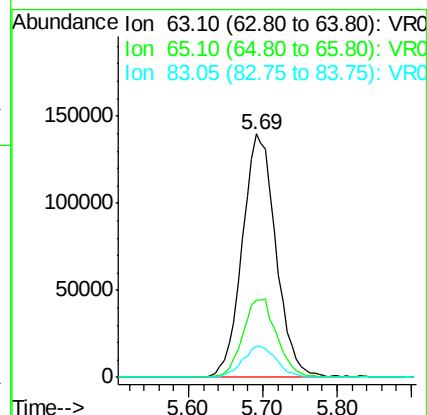
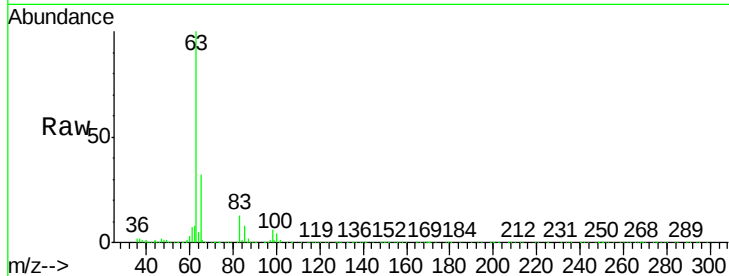




#19
 1,1-Dichloroethane
 Concen: 4.861 ug/L
 RT: 5.69 min Scan# 717
 Delta R.T. 0.00 min
 Lab File: VR025471.D
 Acq: 13 Jul 2018 20:24

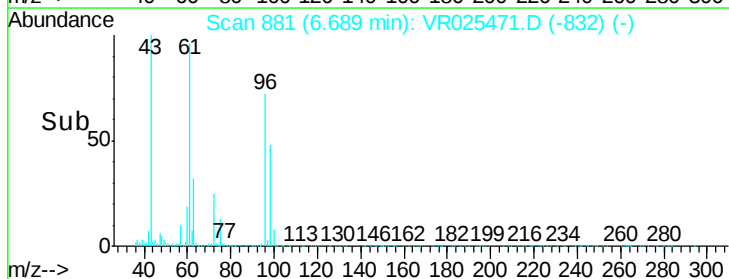
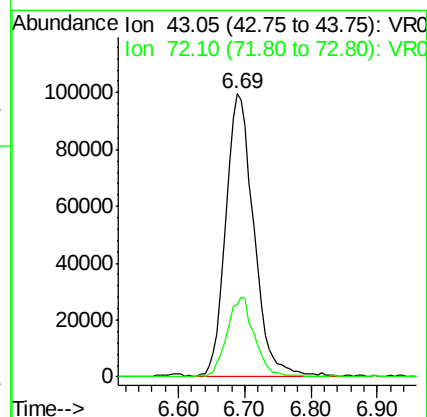
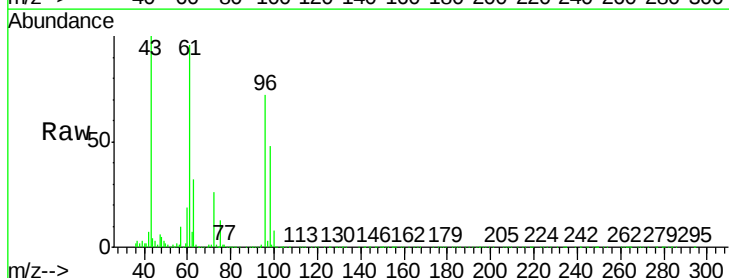
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00591

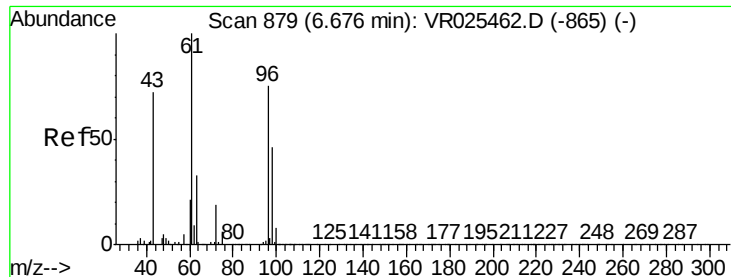
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.7	22.5	41.7
83	12.5	9.5	17.7



#21
 2-Butanone
 Concen: 45.430 ug/L
 RT: 6.69 min Scan# 881
 Delta R.T. 0.00 min
 Lab File: VR025471.D
 Acq: 13 Jul 2018 20:24

Tgt Ion	Ratio	Lower	Upper
43	100		
72	27.6	13.0	38.9



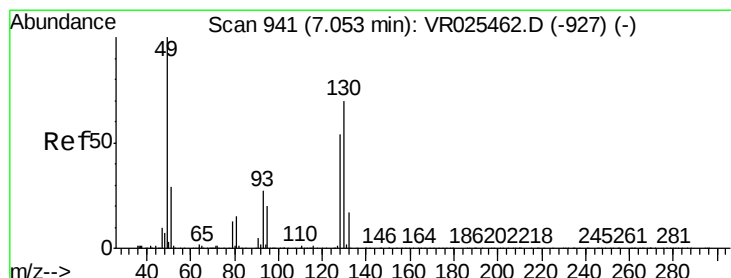
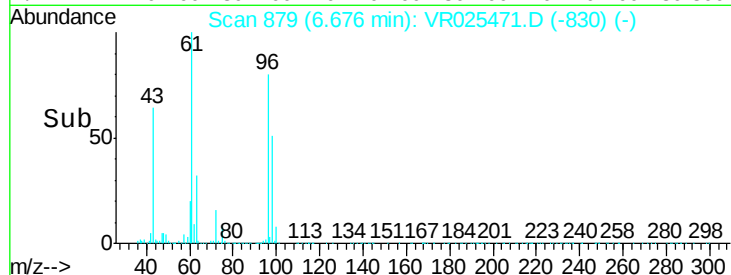
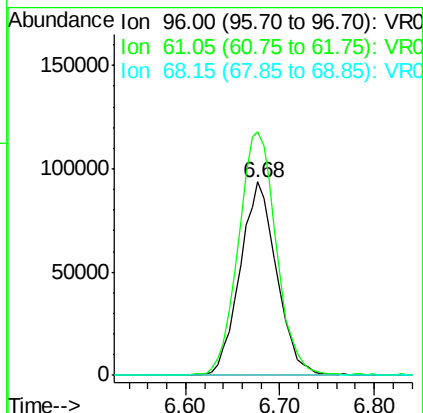
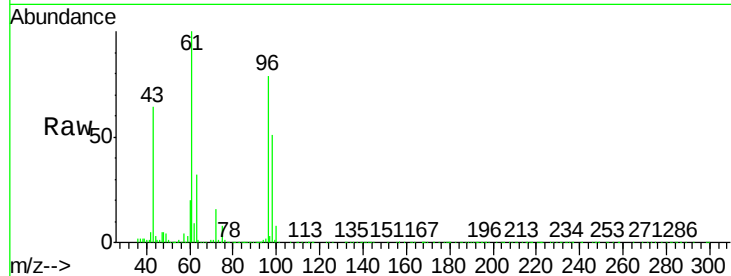


#22

cis-1,2-Dichloroethene
 Concen: 5.211 ug/L
 RT: 6.68 min Scan# 879
 Delta R.T. 0.00 min
 Lab File: VR025471.D
 Acq: 13 Jul 2018 20:24

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00591

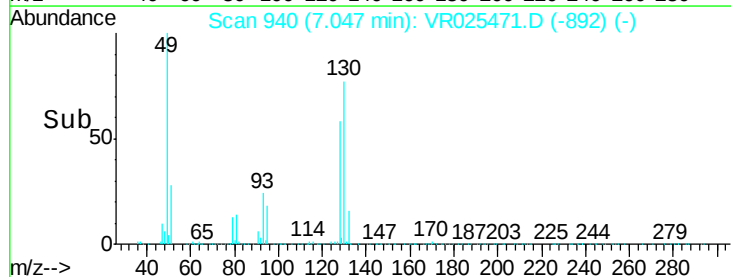
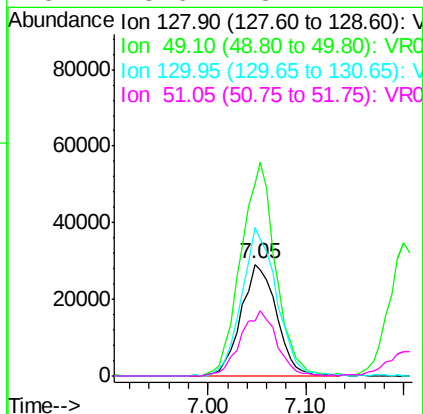
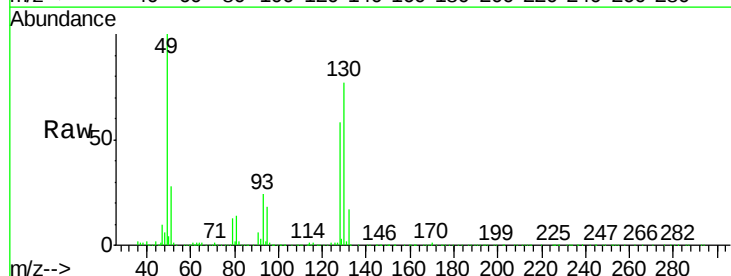
Tgt Ion	Ratio	Lower	Upper
96	100		
61	125.8	91.0	169.0
68	0.0	0.0	0.0

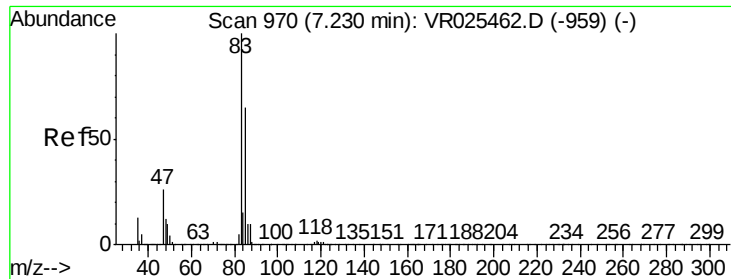


#23

Bromochloromethane
 Concen: 4.685 ug/L
 RT: 7.05 min Scan# 940
 Delta R.T. -0.01 min
 Lab File: VR025471.D
 Acq: 13 Jul 2018 20:24

Tgt Ion	Ratio	Lower	Upper
128	100		
49	172.1	128.7	238.9
130	132.5	87.2	161.9
51	48.6	48.2	72.2

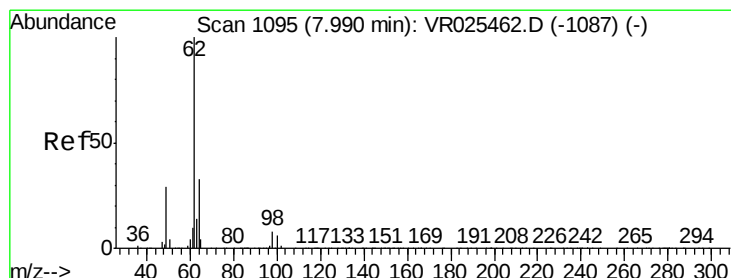
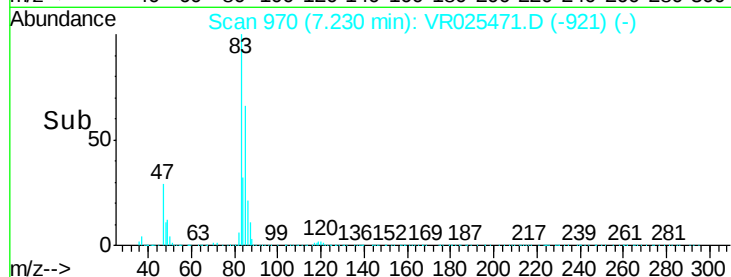
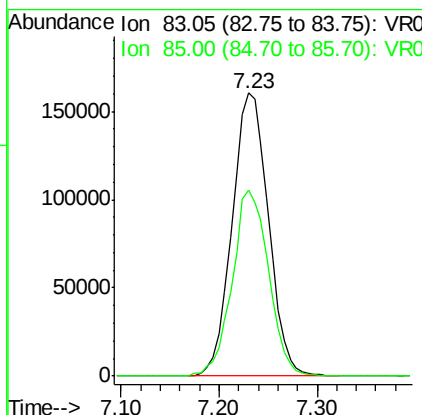
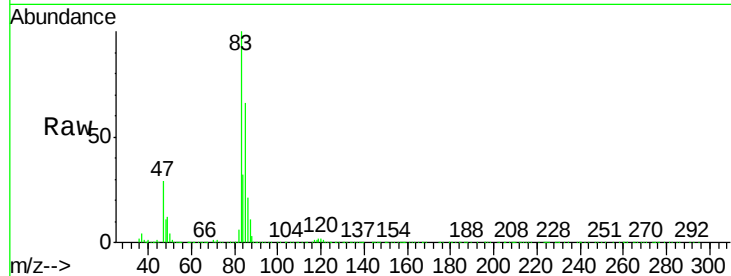




#25
Chloroform
Concen: 4.720 ug/L
RT: 7.23 min Scan# 970
Delta R.T. 0.00 min
Lab File: VR025471.D
Acq: 13 Jul 2018 20:24

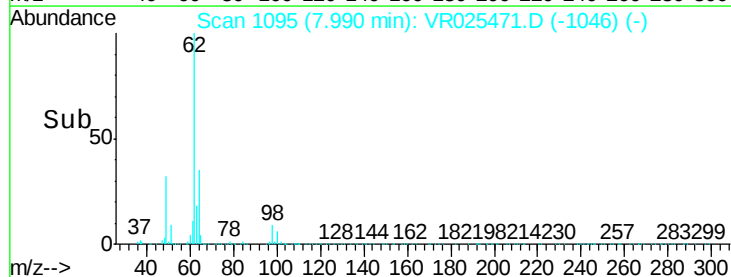
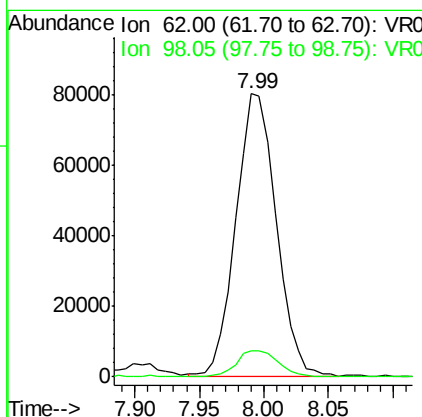
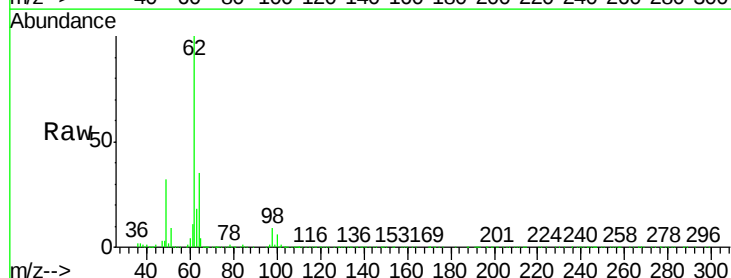
Instrument :
MSVOA_R
ClientSampleId :
VSTD00591

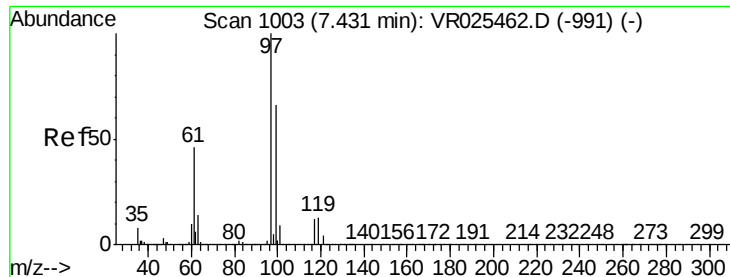
Tgt Ion: 83 Resp: 412287
Ion Ratio Lower Upper
83 100
85 65.5 45.4 84.4



#27
1,2-Dichloroethane
Concen: 4.461 ug/L
RT: 7.99 min Scan# 1095
Delta R.T. 0.00 min
Lab File: VR025471.D
Acq: 13 Jul 2018 20:24

Tgt Ion: 62 Resp: 174677
Ion Ratio Lower Upper
62 100
98 9.4 5.4 8.2#

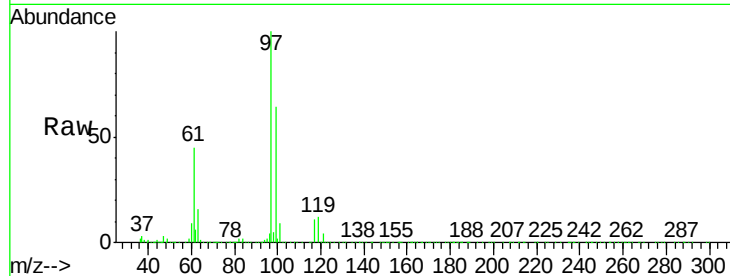




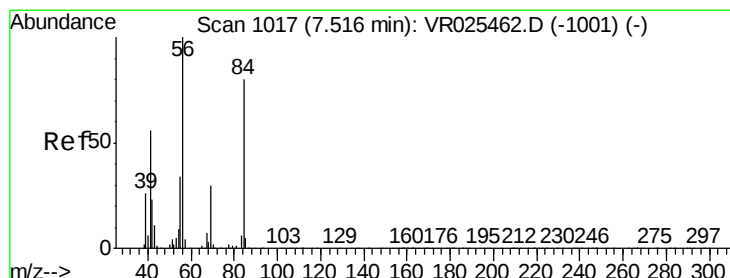
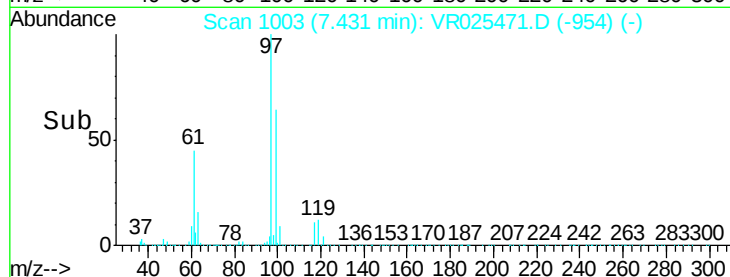
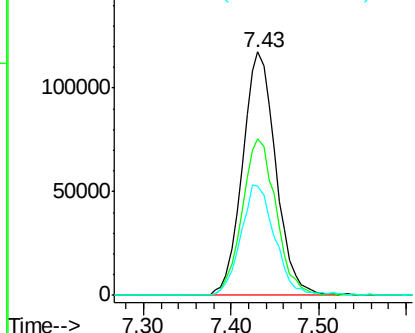
#29
 1,1,1-Trichloroethane
 Concen: 5.376 ug/L
 RT: 7.43 min Scan# 1003
 Delta R.T. 0.00 min
 Lab File: VR025471.D
 Acq: 13 Jul 2018 20:24

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00591

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	52.1	78.1
61	46.5	37.0	55.6

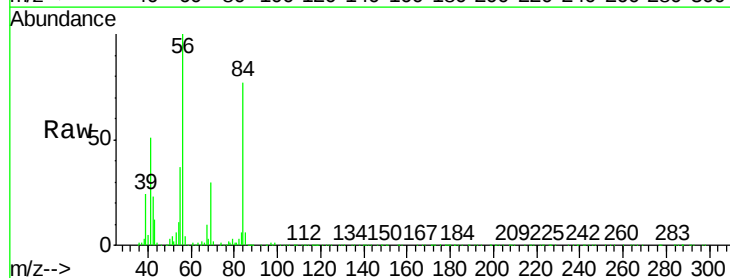


Abundance Ion 96.95 (96.65 to 97.65): VR0
 Ion 99.05 (98.75 to 99.75): VR0
 Ion 61.05 (60.75 to 61.75): VR0

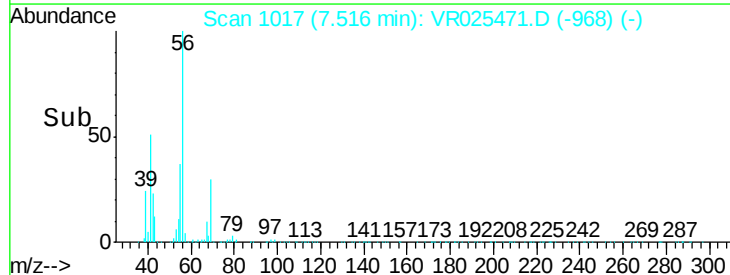
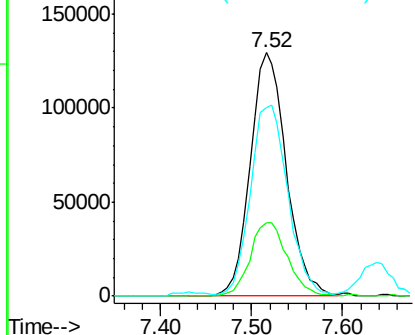


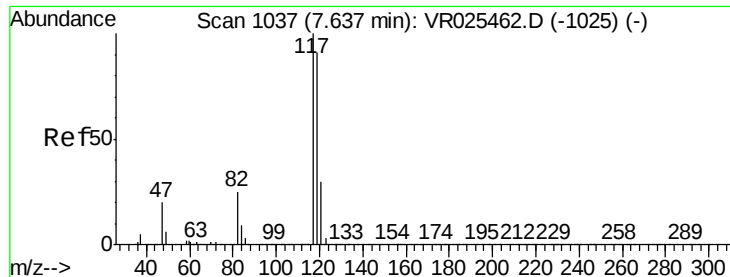
#30
 Cyclohexane
 Concen: 5.748 ug/L
 RT: 7.52 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: VR025471.D
 Acq: 13 Jul 2018 20:24

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.3	23.7	35.5
84	81.7	62.6	93.8



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: 5.213 ug/L

RT: 7.64 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VR025471.D

Acq: 13 Jul 2018 20:24

Instrument :

MSVOA_R

ClientSampleId :

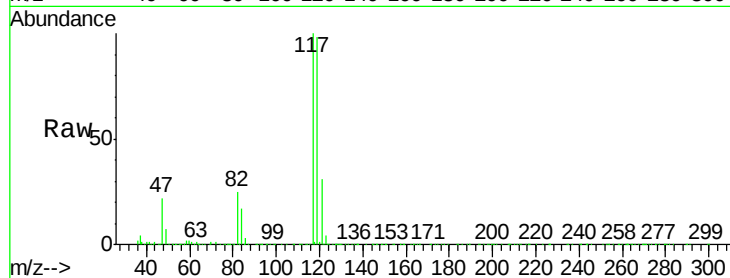
VSTD00591

Tgt Ion:117 Resp: 265471

Ion Ratio Lower Upper

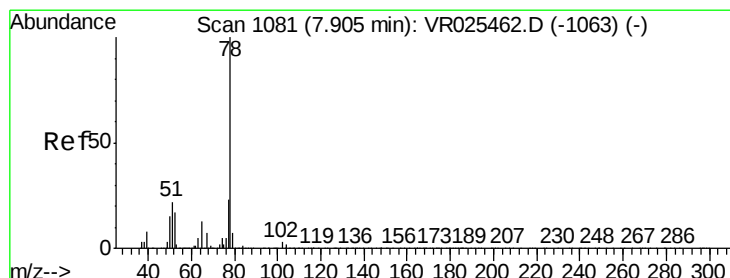
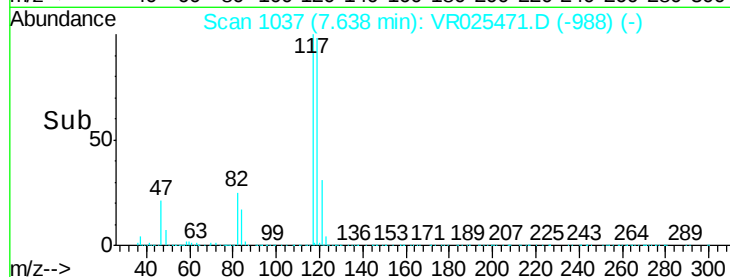
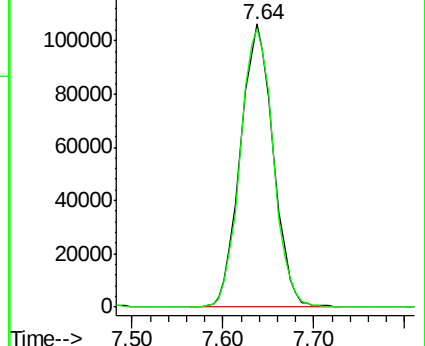
117 100

119 98.8 75.5 113.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.314 ug/L

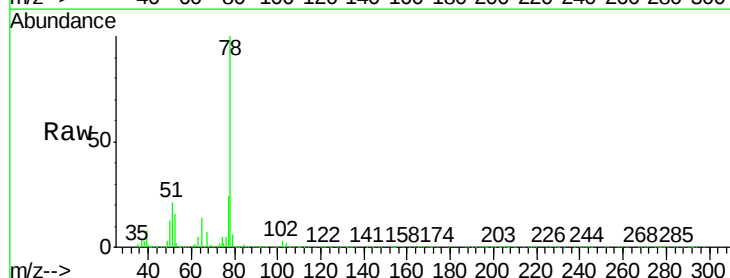
RT: 7.91 min Scan# 1081

Delta R.T. 0.00 min

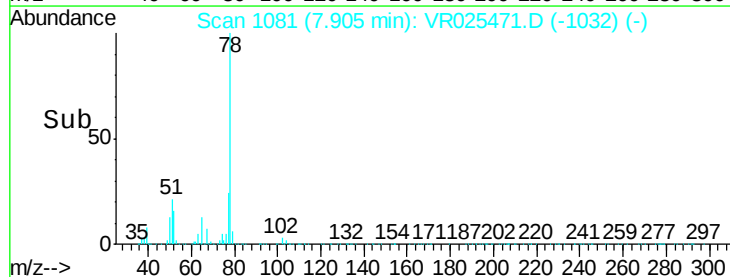
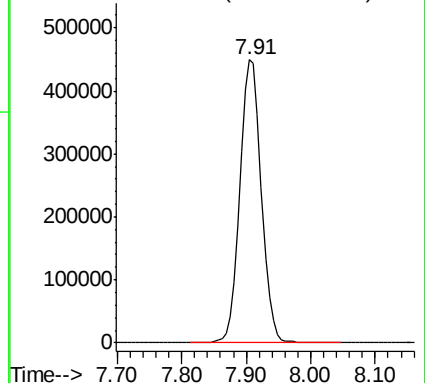
Lab File: VR025471.D

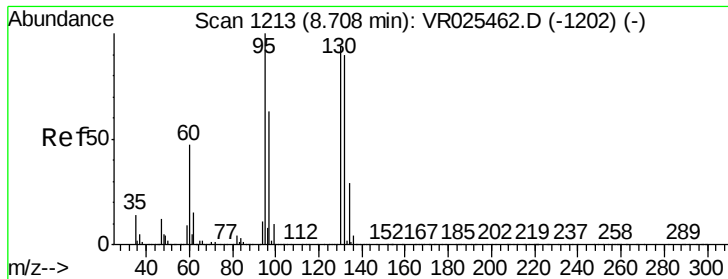
Acq: 13 Jul 2018 20:24

Tgt Ion: 78 Resp: 1036703



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 4.994 ug/L

RT: 8.71 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VR025471.D

Acq: 13 Jul 2018 20:24

Instrument :

MSVOA_R

ClientSampleId :

VSTD00591

Tgt Ion: 95 Resp: 248039

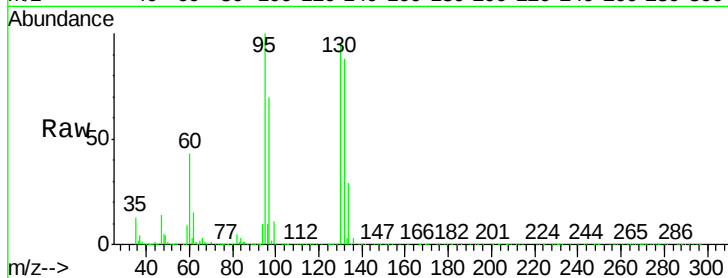
Ion Ratio Lower Upper

95 100

97 70.2 45.6 84.6

132 87.8 60.9 113.1

130 95.2 62.0 115.2

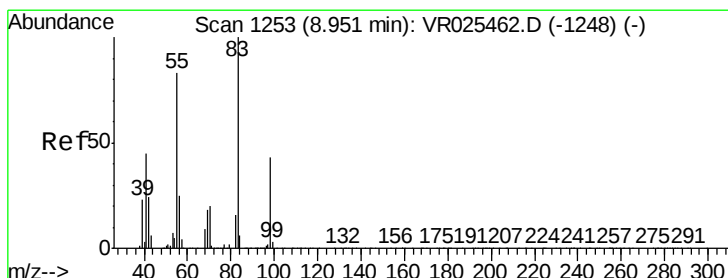
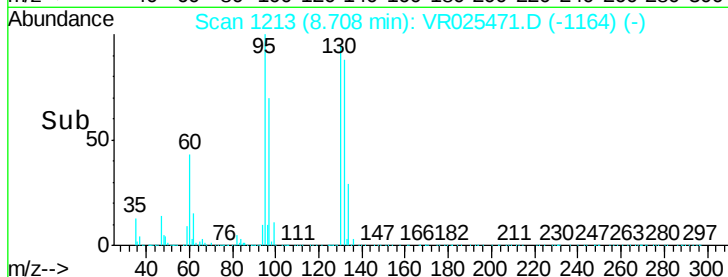
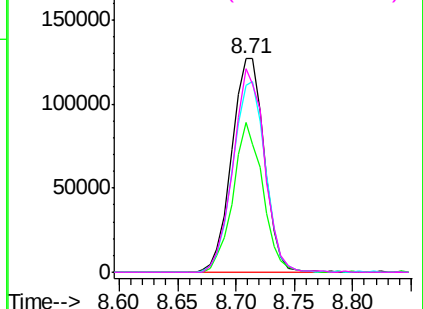


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 5.601 ug/L

RT: 8.96 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VR025471.D

Acq: 13 Jul 2018 20:24

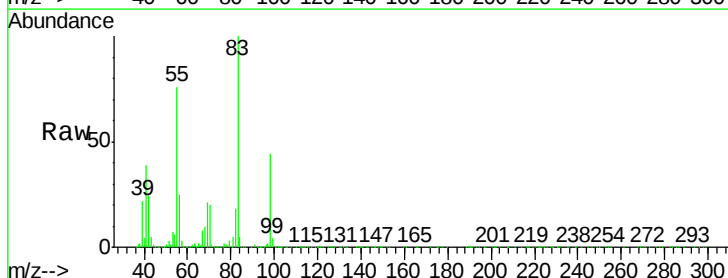
Tgt Ion: 83 Resp: 371896

Ion Ratio Lower Upper

83 100

55 79.0 66.1 99.1

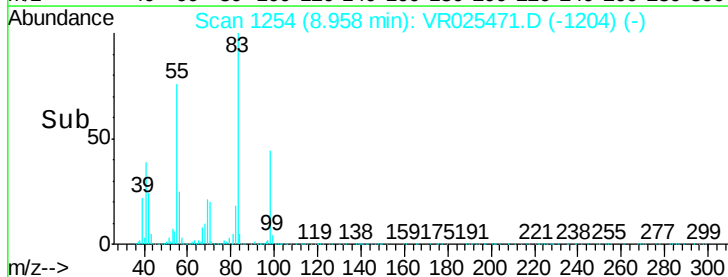
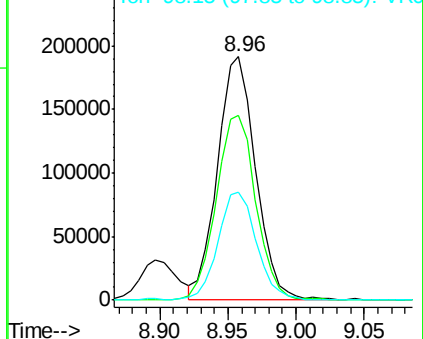
98 44.9 36.2 54.4

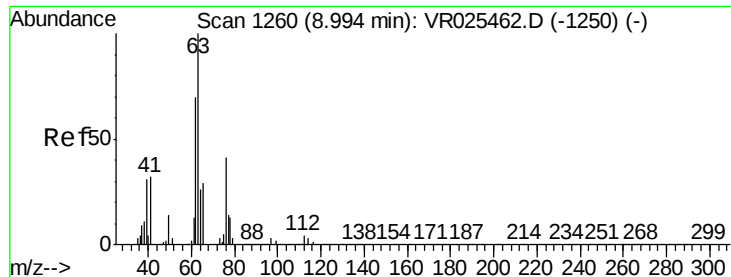


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

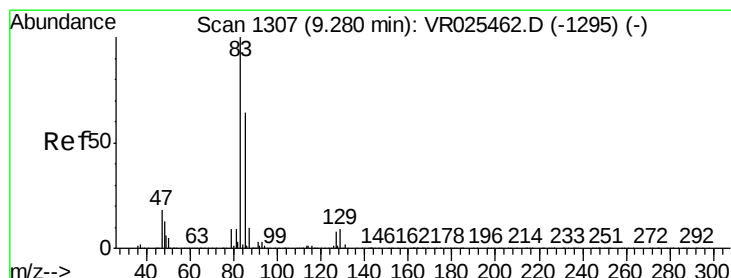
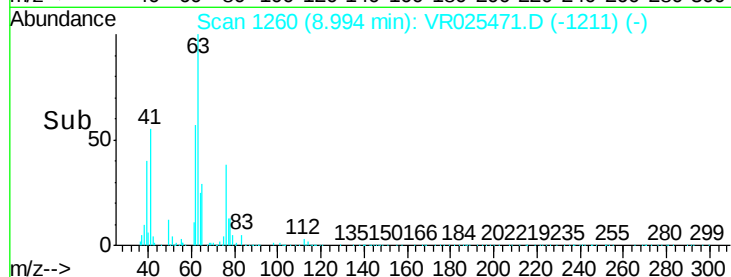
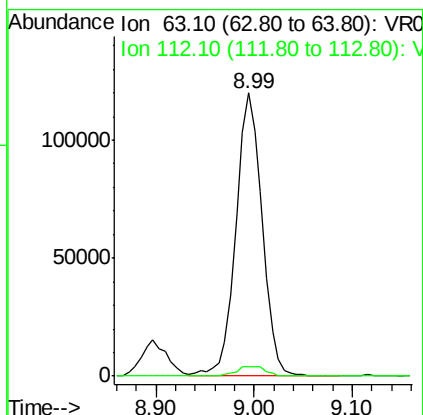
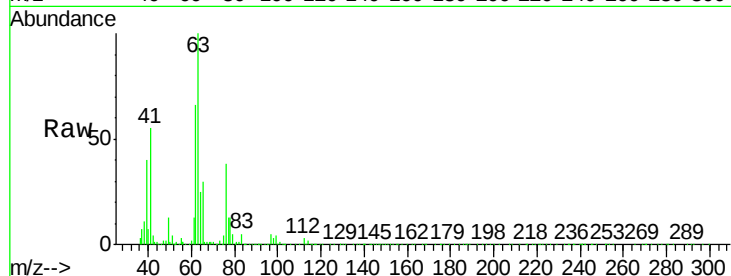




#37
 1,2-Dichloropropane
 Concen: 4.920 ug/L
 RT: 8.99 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VR025471.D
 Acq: 13 Jul 2018 20:24

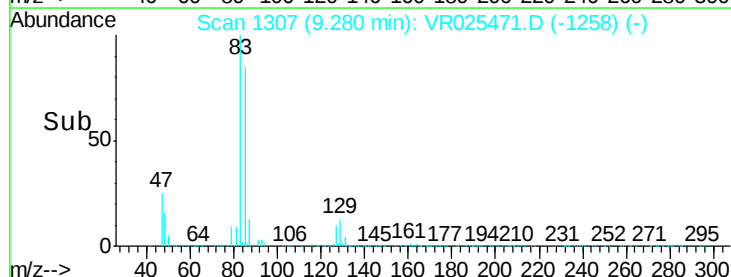
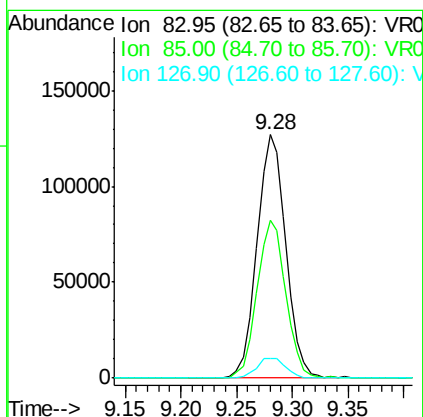
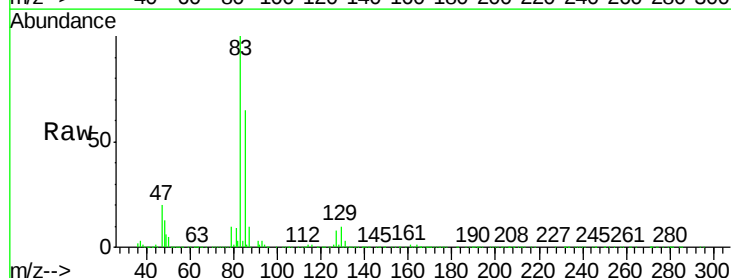
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00591

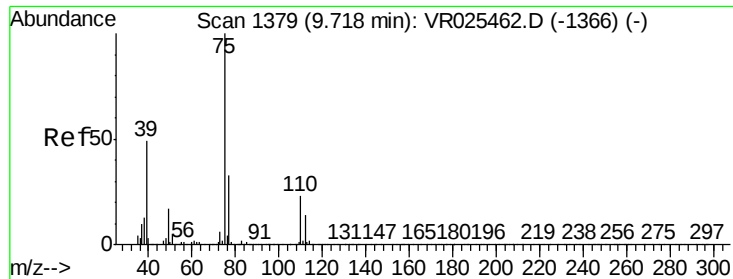
Tgt Ion: 63 Resp: 223121
 Ion Ratio Lower Upper
 63 100
 112 4.1 2.9 4.3



#38
 Bromodichloromethane
 Concen: 4.941 ug/L
 RT: 9.28 min Scan# 1307
 Delta R.T. 0.00 min
 Lab File: VR025471.D
 Acq: 13 Jul 2018 20:24

Tgt Ion: 83 Resp: 228363
 Ion Ratio Lower Upper
 83 100
 85 65.1 46.1 85.7
 127 7.8 5.7 8.5



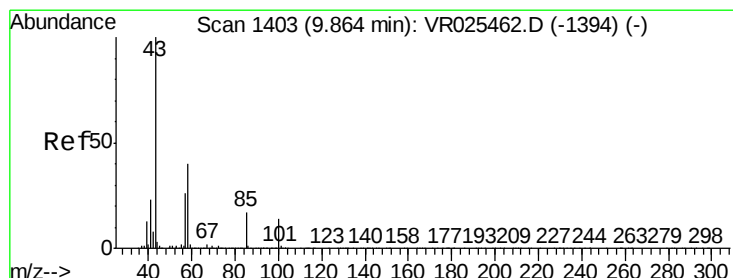
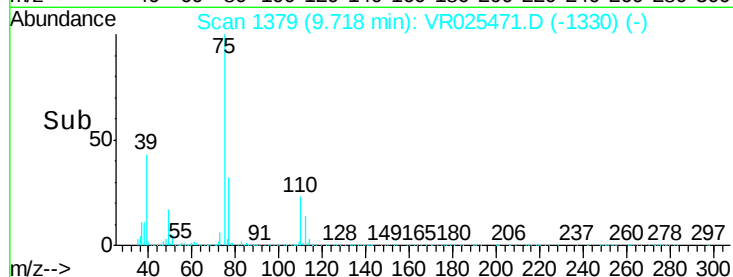
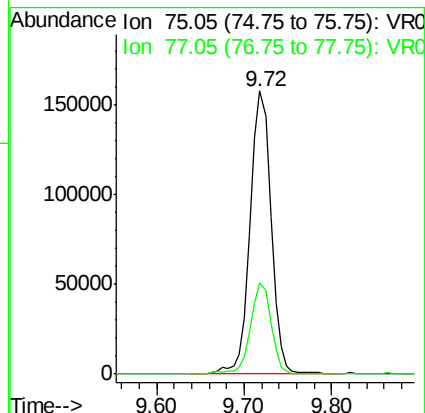
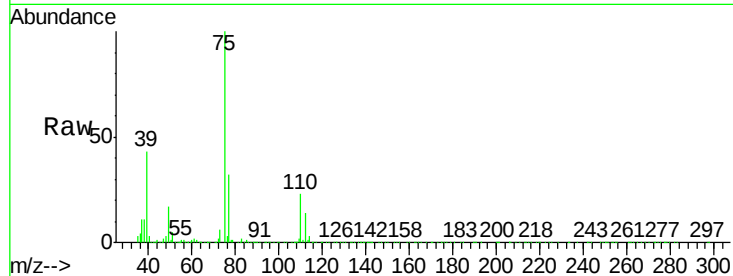


#39

cis-1,3-Dichloropropene
Concen: 5.150 ug/L
RT: 9.72 min Scan# 1379
Delta R.T. 0.00 min
Lab File: VR025471.D
Acq: 13 Jul 2018 20:24

Instrument :
MSVOA_R
ClientSampleId :
VSTD00591

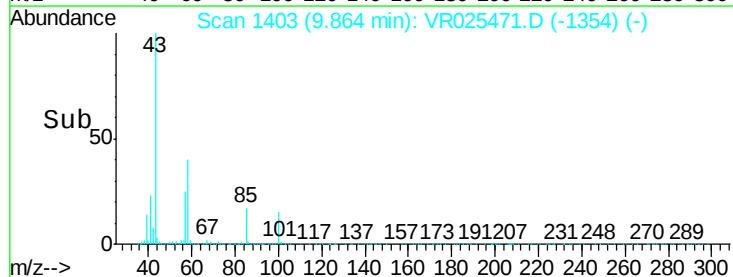
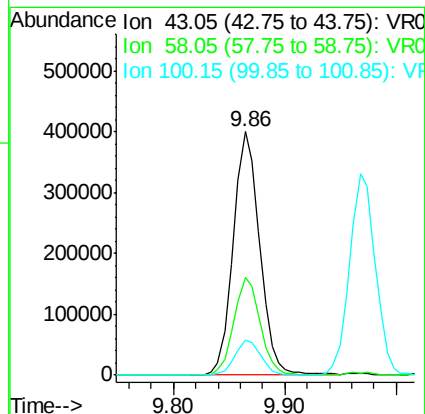
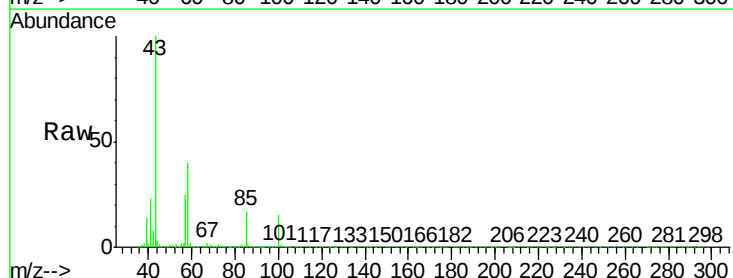
Tgt Ion: 75 Resp: 262611
Ion Ratio Lower Upper
75 100
77 32.1 21.1 39.1

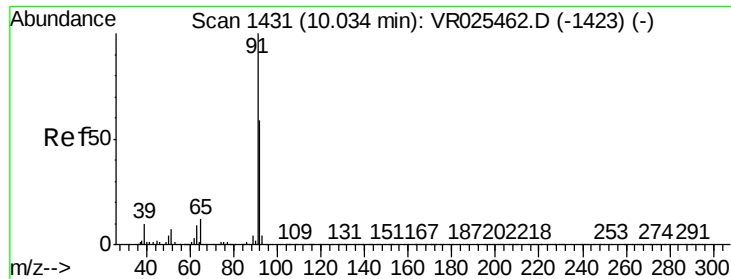


#40

4-Methyl-2-pentanone
Concen: 50.062 ug/L
RT: 9.86 min Scan# 1403
Delta R.T. 0.00 min
Lab File: VR025471.D
Acq: 13 Jul 2018 20:24

Tgt Ion: 43 Resp: 657868
Ion Ratio Lower Upper
43 100
58 39.7 30.3 45.5
100 14.3 10.3 15.5





#42

Toluene

Concen: 5.432 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VR025471.D

Acq: 13 Jul 2018 20:24

Instrument :

MSVOA_R

ClientSampleId :

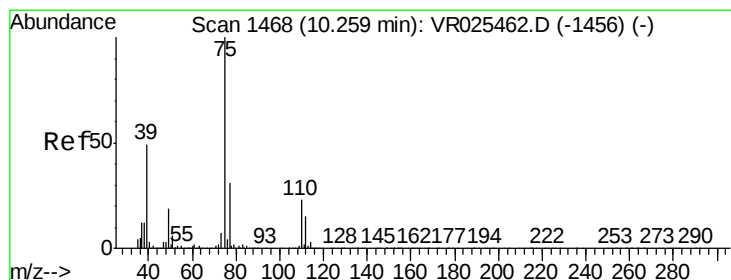
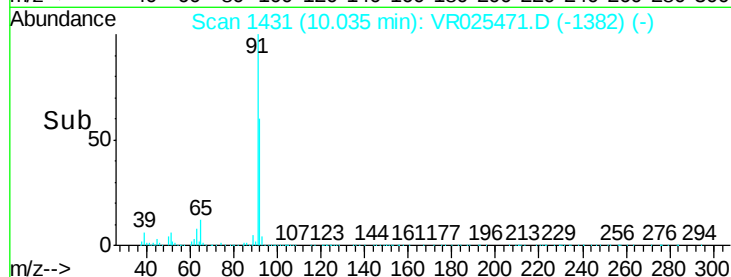
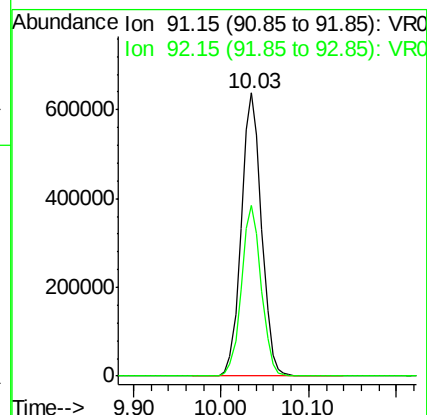
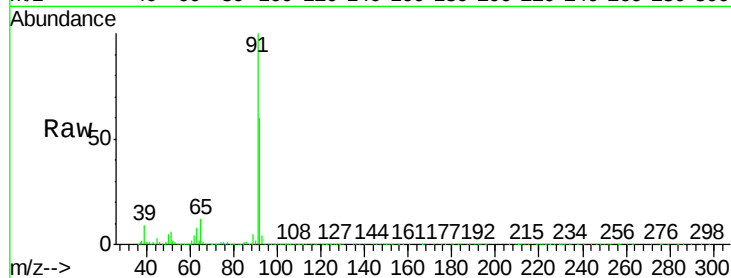
VSTD00591

Tgt Ion: 91 Resp: 1030514

Ion Ratio Lower Upper

91 100

92 60.2 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 4.861 ug/L

RT: 10.27 min Scan# 1469

Delta R.T. 0.01 min

Lab File: VR025471.D

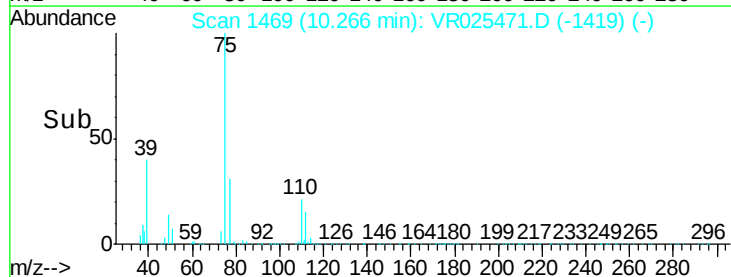
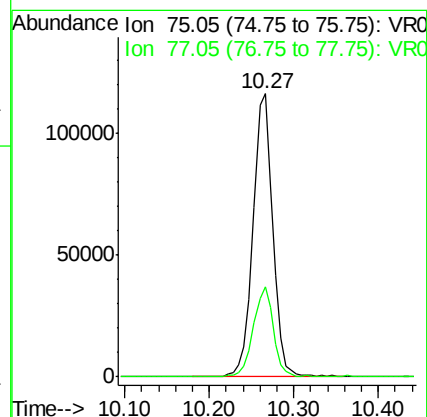
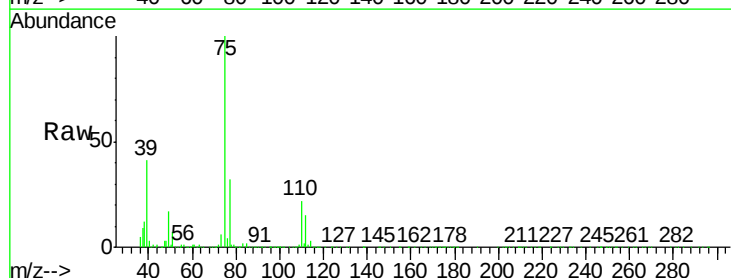
Acq: 13 Jul 2018 20:24

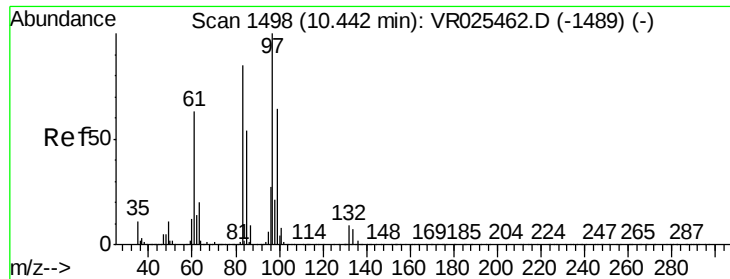
Tgt Ion: 75 Resp: 182020

Ion Ratio Lower Upper

75 100

77 31.7 20.6 38.4

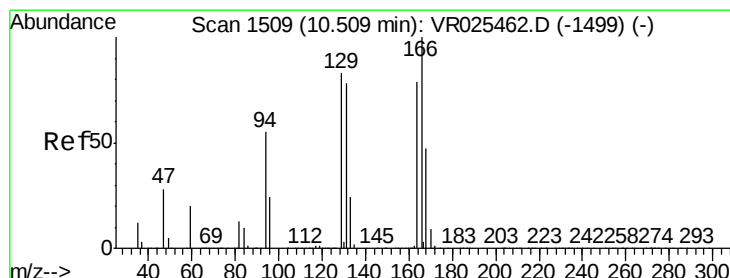
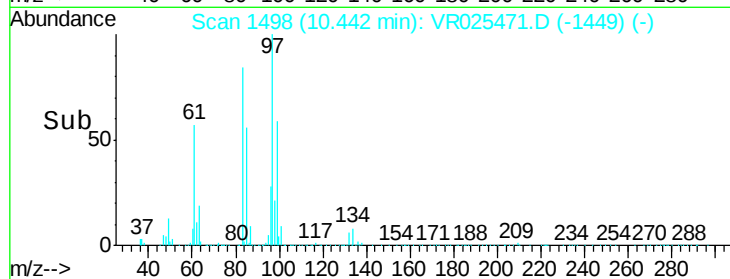
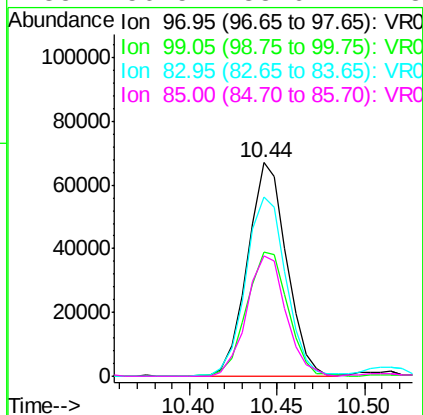
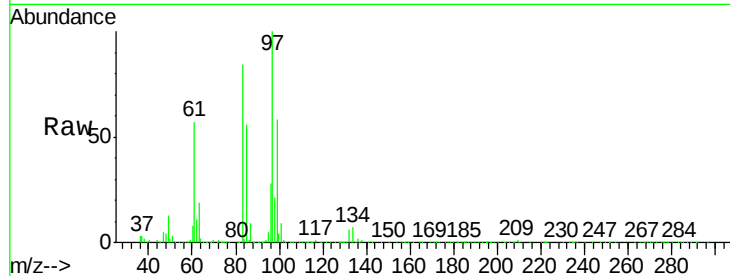




#45
 1,1,2-Trichloroethane
 Concen: 4.657 ug/L
 RT: 10.44 min Scan# 1498
 Delta R.T. 0.00 min
 Lab File: VR025471.D
 Acq: 13 Jul 2018 20:24

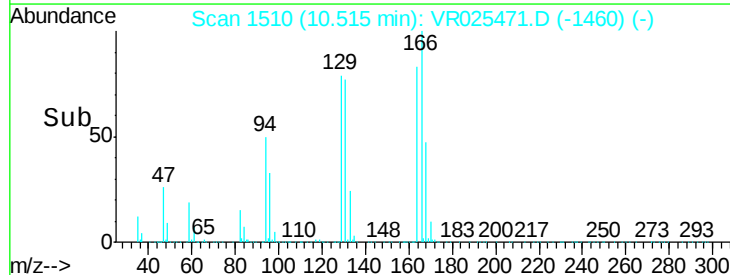
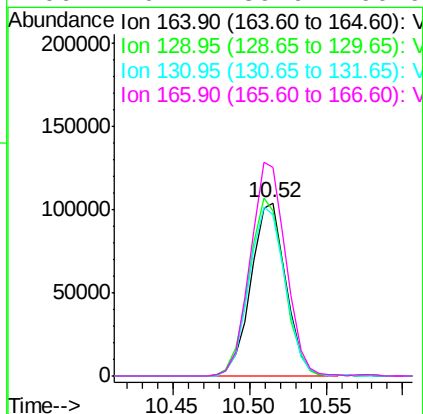
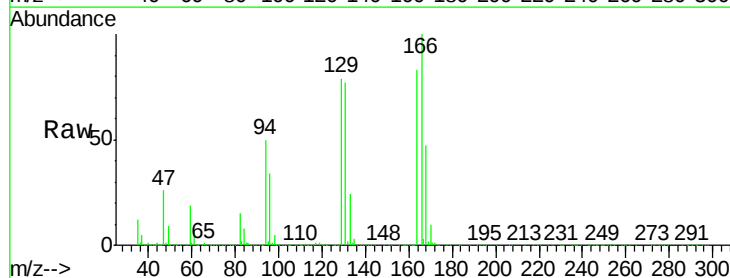
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00591

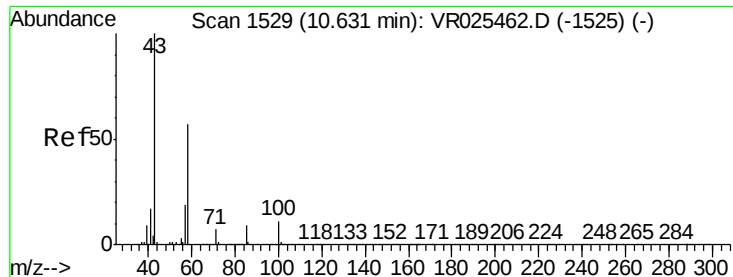
Tgt Ion:	97	Resp:	103463
Ion	Ratio	Lower	Upper
97	100		
99	58.4	41.9	77.9
83	83.8	64.5	119.9
85	56.5	38.6	71.8



#47
 Tetrachloroethene
 Concen: 5.052 ug/L
 RT: 10.52 min Scan# 1510
 Delta R.T. 0.01 min
 Lab File: VR025471.D
 Acq: 13 Jul 2018 20:24

Tgt Ion:	164	Resp:	163830
Ion	Ratio	Lower	Upper
164	100		
129	95.5	68.1	126.5
131	93.3	68.5	127.1
166	120.7	89.9	166.9

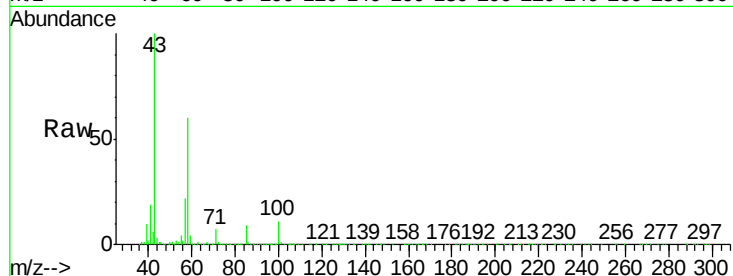




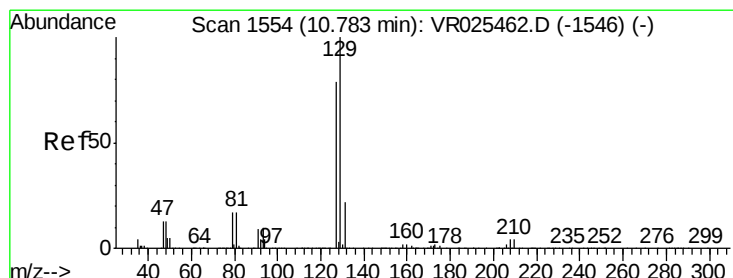
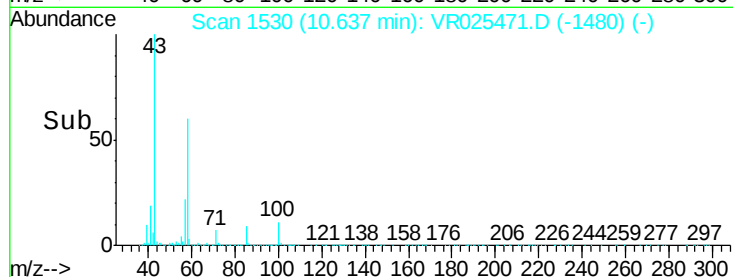
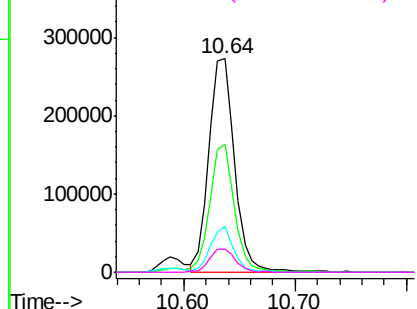
#48
2-Hexanone
Concen: 48.273 ug/L
RT: 10.64 min Scan# 1530
Delta R.T. 0.01 min
Lab File: VR025471.D
Acq: 13 Jul 2018 20:24

Instrument :
MSVOA_R
ClientSampleId :
VSTD00591

Tgt Ion: 43 Resp: 436371
Ion Ratio Lower Upper
43 100
58 58.9 43.1 64.7
57 19.2 15.3 22.9
100 10.9 7.9 11.9

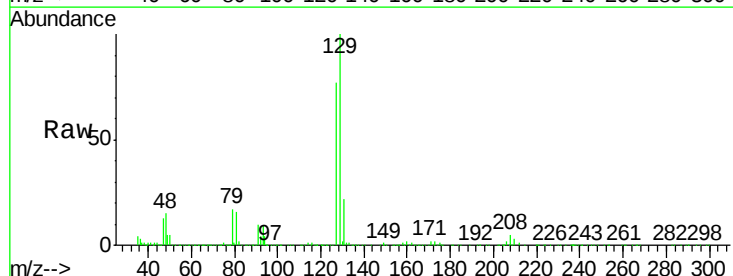


Abundance Ion 43.05 (42.75 to 43.75): VR0
Ion 58.05 (57.75 to 58.75): VR0
Ion 57.20 (56.90 to 57.90): VR0
Ion 100.15 (99.85 to 100.85): VR0

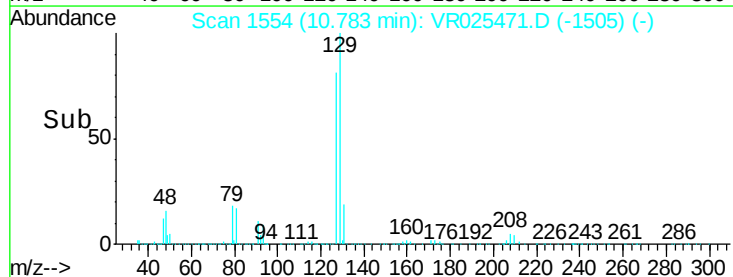
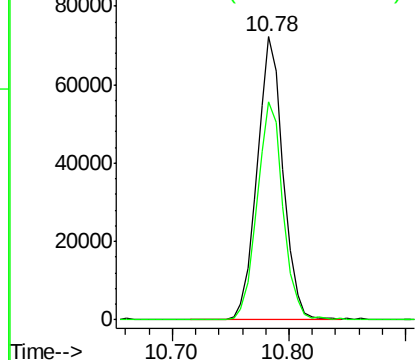


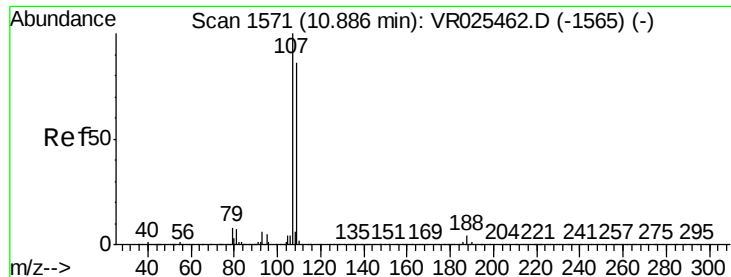
#49
Dibromochloromethane
Concen: 4.825 ug/L
RT: 10.78 min Scan# 1554
Delta R.T. 0.00 min
Lab File: VR025471.D
Acq: 13 Jul 2018 20:24

Tgt Ion: 129 Resp: 111783
Ion Ratio Lower Upper
129 100
127 76.9 55.9 103.7



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

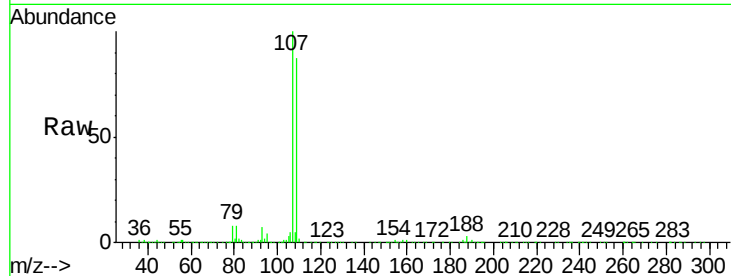




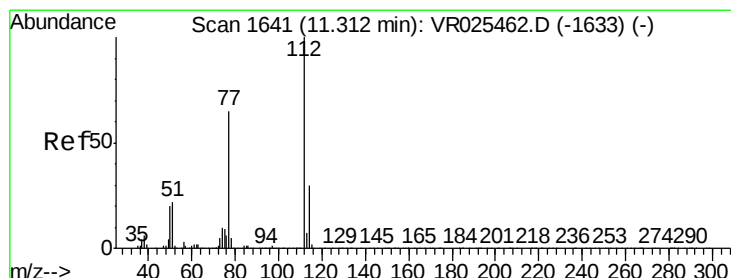
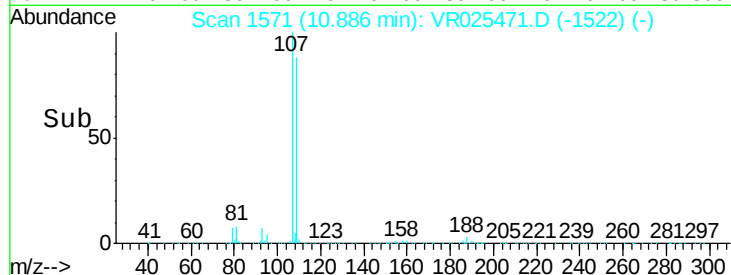
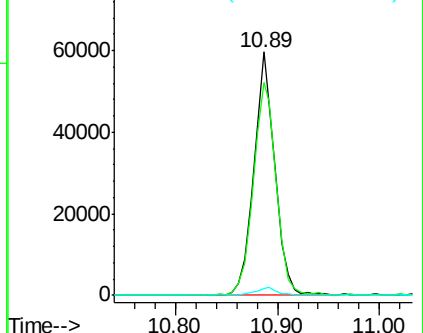
#50
1,2-Dibromoethane
Concen: 4.817 ug/L
RT: 10.89 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VR025471.D
Acq: 13 Jul 2018 20:24

Instrument :
MSVOA_R
ClientSampleId :
VSTD00591

Tgt Ion:107 Resp: 86692
Ion Ratio Lower Upper
107 100
109 87.5 63.1 117.3
188 2.5 1.8 2.8

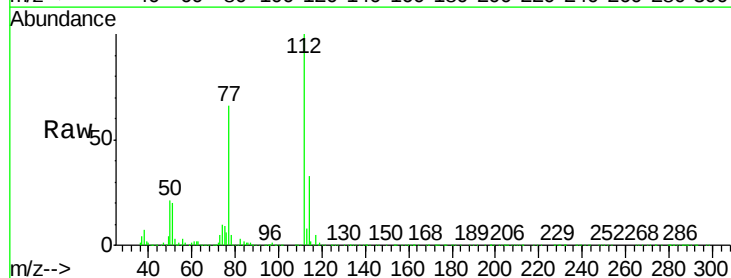


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

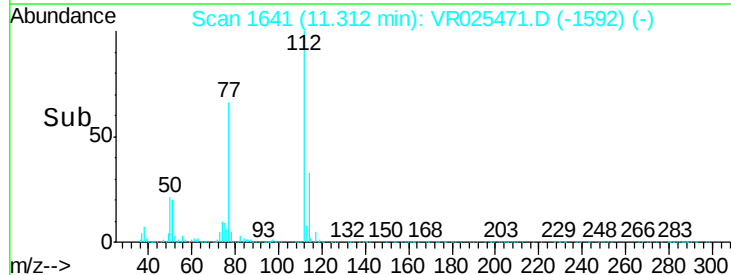
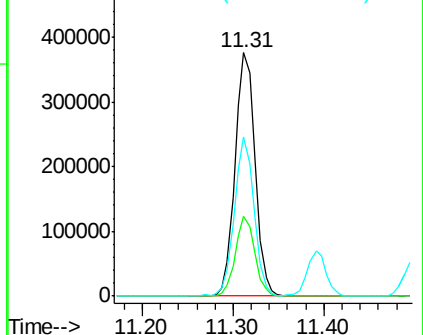


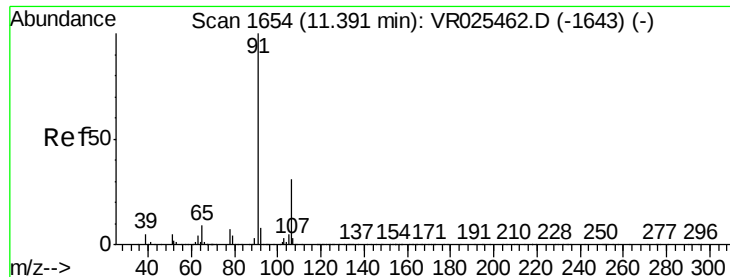
#51
Chlorobenzene
Concen: 4.996 ug/L
RT: 11.31 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VR025471.D
Acq: 13 Jul 2018 20:24

Tgt Ion:112 Resp: 577062
Ion Ratio Lower Upper
112 100
114 32.5 21.6 40.0
77 65.5 51.9 77.9



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VR0





#52

Ethylbenzene

Concen: 5.534 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VR025471.D

Acq: 13 Jul 2018 20:24

Instrument :

MSVOA_R

ClientSampleId :

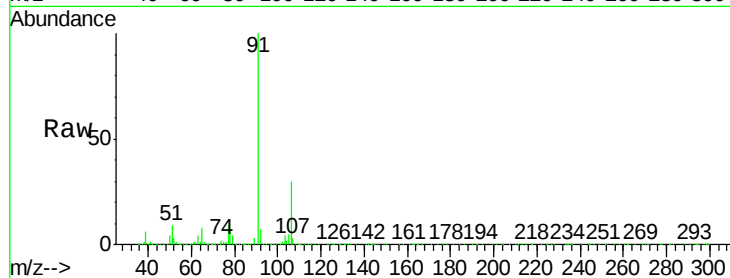
VSTD00591

Tgt Ion: 91 Resp: 1125679

Ion Ratio Lower Upper

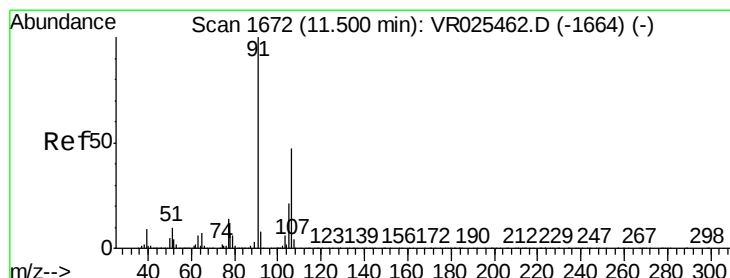
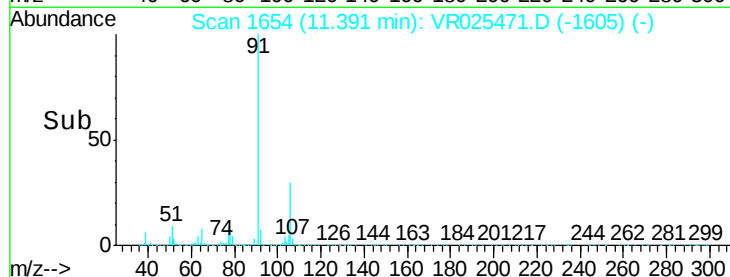
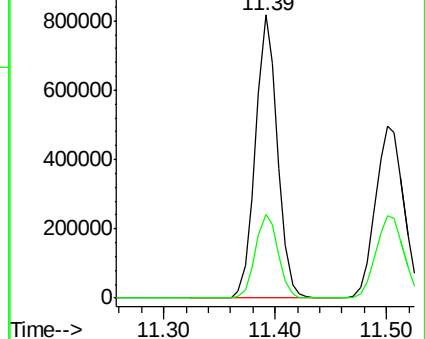
91 100

106 29.7 22.5 41.7



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 106.15 (105.85 to 106.85): V



#53

m,p-Xylene

Concen: 5.464 ug/L

RT: 11.50 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VR025471.D

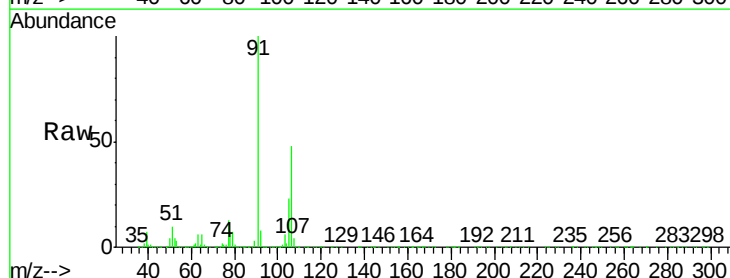
Acq: 13 Jul 2018 20:24

Tgt Ion: 106 Resp: 417108

Ion Ratio Lower Upper

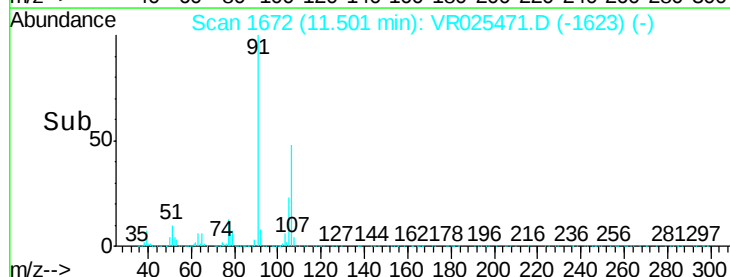
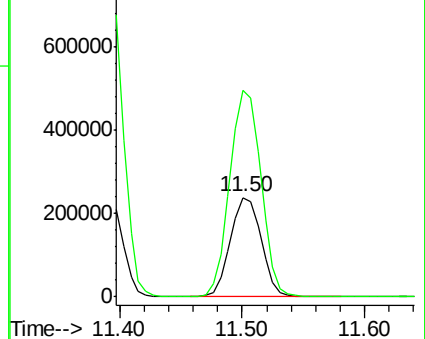
106 100

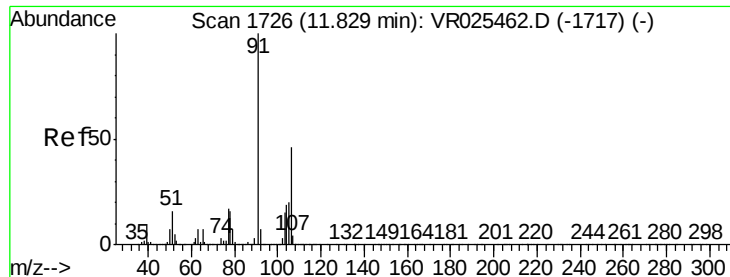
91 207.9 152.6 283.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0

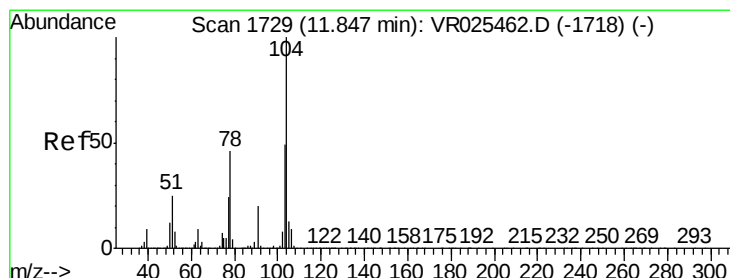
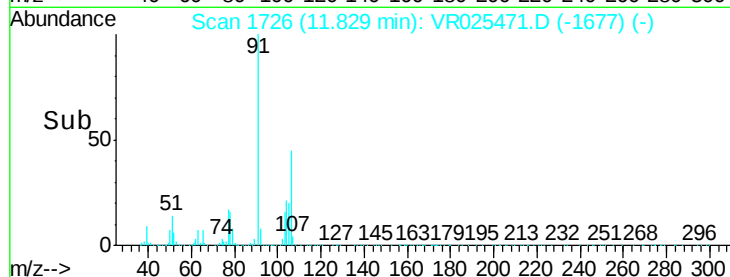
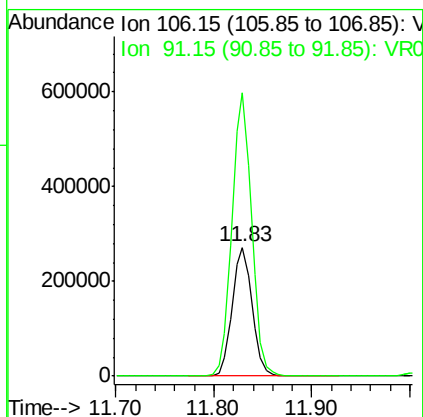
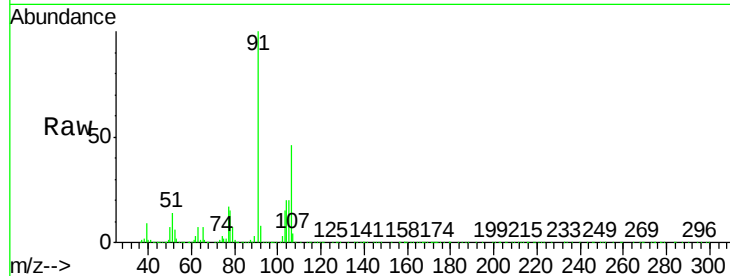




#54
o-Xylene
Concen: 5.841 ug/L
RT: 11.83 min Scan# 1726
Delta R.T. 0.00 min
Lab File: VR025471.D
Acq: 13 Jul 2018 20:24

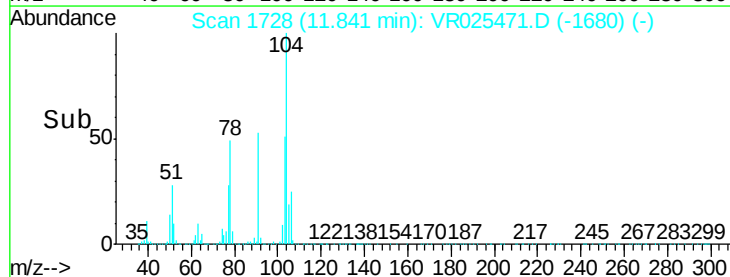
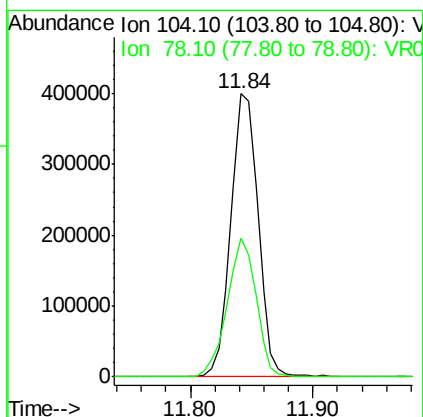
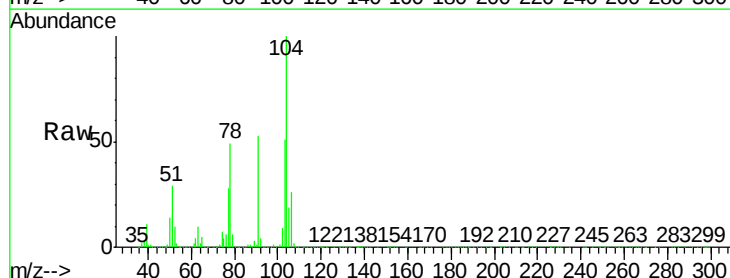
Instrument :
MSVOA_R
ClientSampleId :
VSTD00591

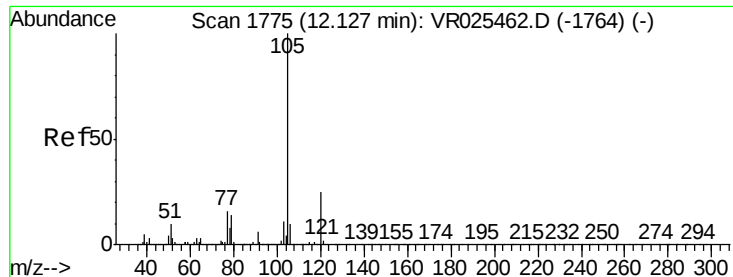
Tgt Ion:106 Resp: 384039
Ion Ratio Lower Upper
106 100
91 219.8 153.7 285.5



#55
Styrene
Concen: 5.665 ug/L
RT: 11.84 min Scan# 1728
Delta R.T. -0.01 min
Lab File: VR025471.D
Acq: 13 Jul 2018 20:24

Tgt Ion:104 Resp: 612884
Ion Ratio Lower Upper
104 100
78 48.9 35.4 65.7





#56

Isopropylbenzene

Concen: 5.924 ug/L

RT: 12.13 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VR025471.D

Acq: 13 Jul 2018 20:24

Instrument :

MSVOA_R

ClientSampleId :

VSTD00591

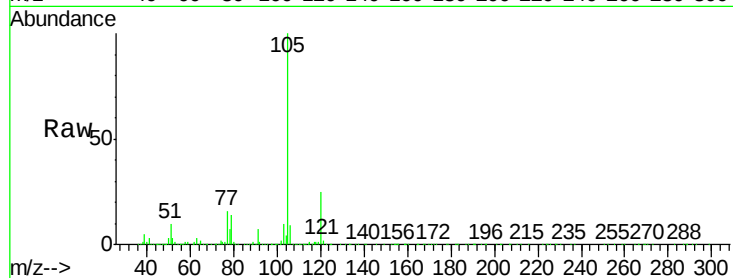
Tgt Ion: 105 Resp: 1031421

Ion Ratio Lower Upper

105 100

120 25.5 20.2 30.4

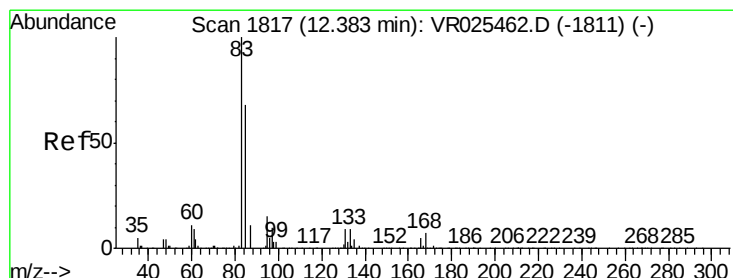
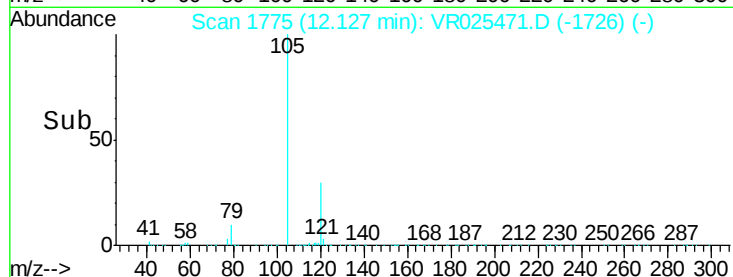
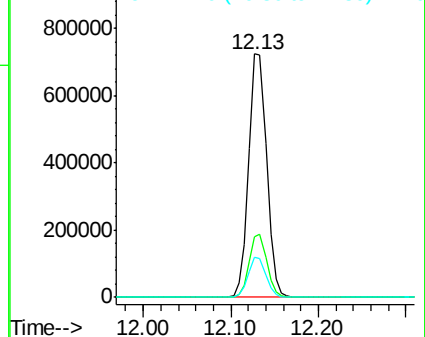
77 16.2 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.697 ug/L

RT: 12.38 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VR025471.D

Acq: 13 Jul 2018 20:24

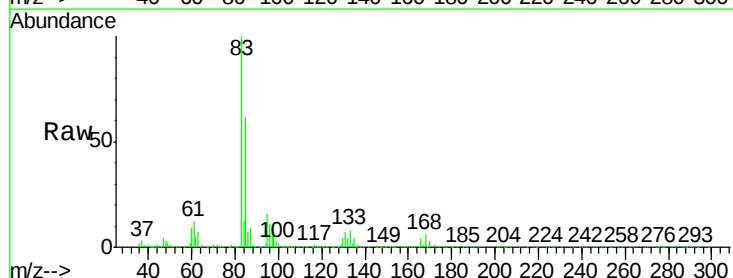
Tgt Ion: 83 Resp: 102799

Ion Ratio Lower Upper

83 100

85 61.6 41.8 77.6

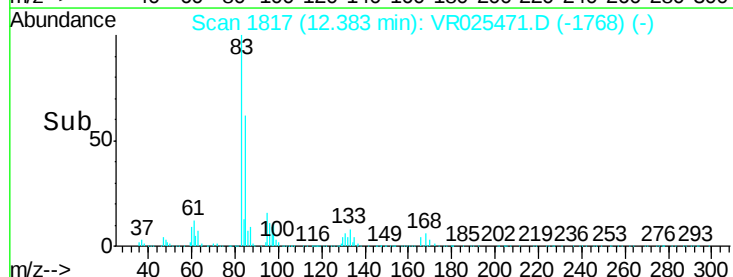
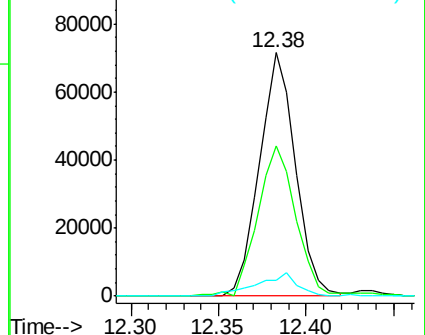
131 6.6 6.1 9.1

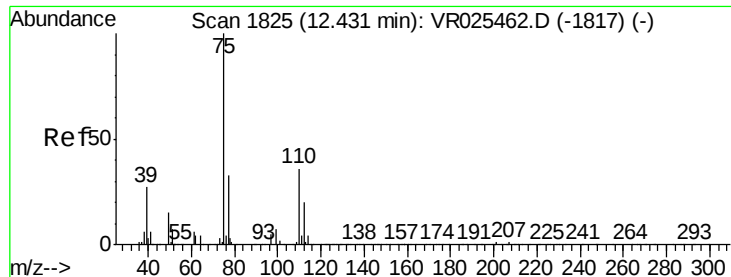


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

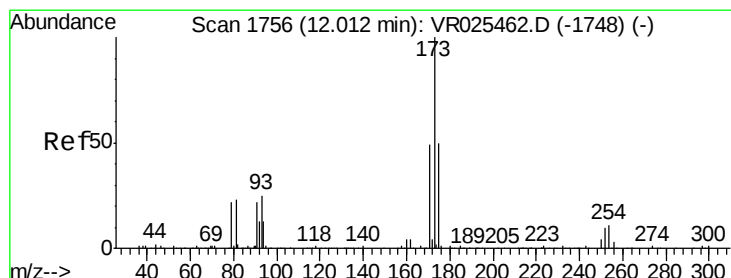
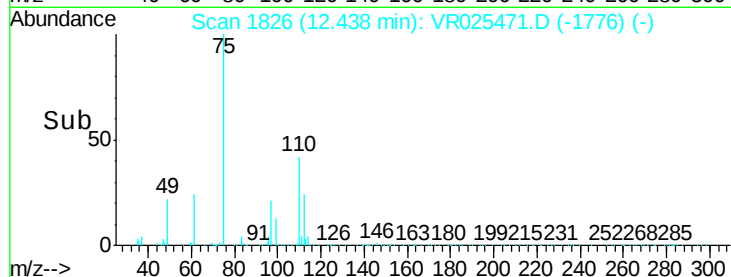
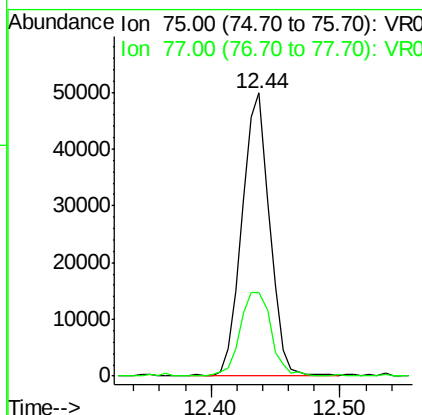
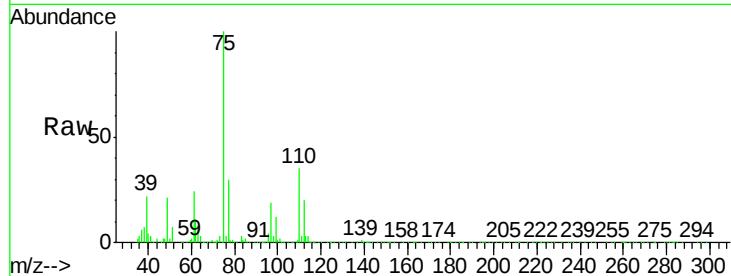




#59
 1,2,3-Trichloropropane
 Concen: 4.680 ug/L
 RT: 12.44 min Scan# 1826
 Delta R.T. 0.01 min
 Lab File: VR025471.D
 Acq: 13 Jul 2018 20:24

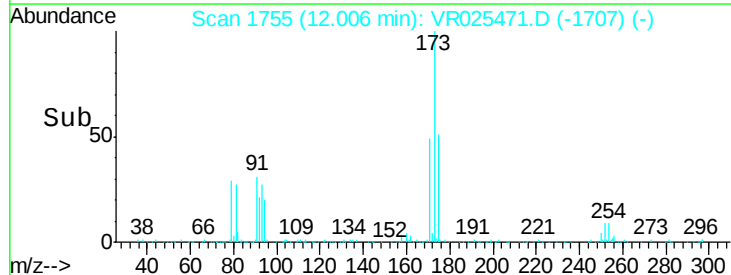
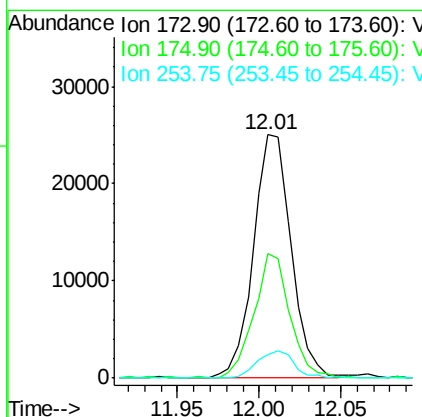
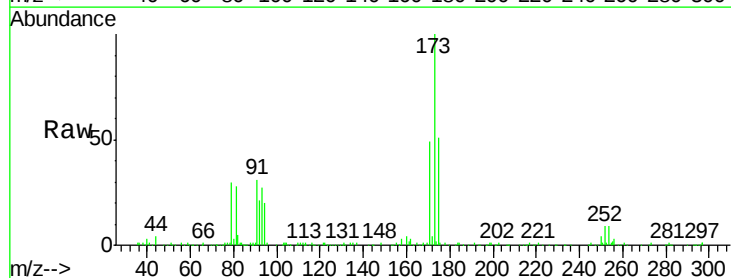
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00591

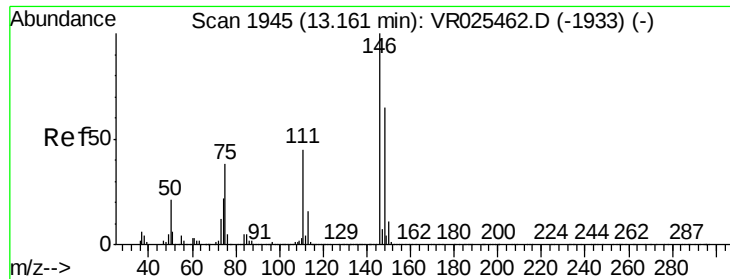
Tgt Ion: 75 Resp: 73727
 Ion Ratio Lower Upper
 75 100
 77 33.5 27.0 40.4



#61
 Bromoform
 Concen: 4.409 ug/L
 RT: 12.01 min Scan# 1755
 Delta R.T. -0.01 min
 Lab File: VR025471.D
 Acq: 13 Jul 2018 20:24

Tgt Ion: 173 Resp: 40328
 Ion Ratio Lower Upper
 173 100
 175 49.0 37.5 56.3
 254 10.7 8.7 13.1

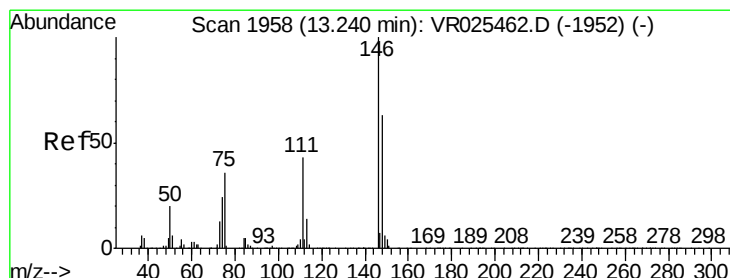
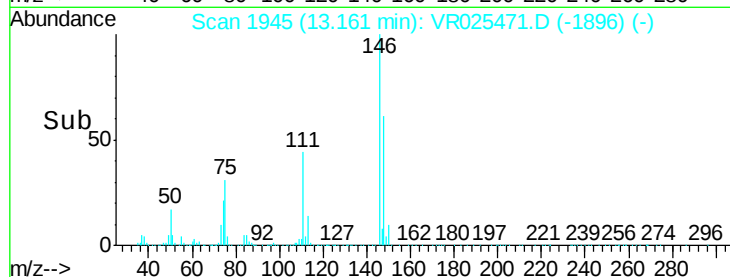
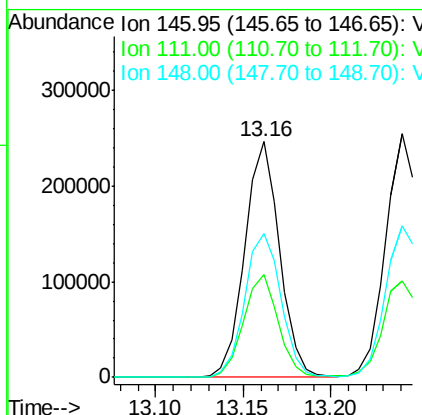
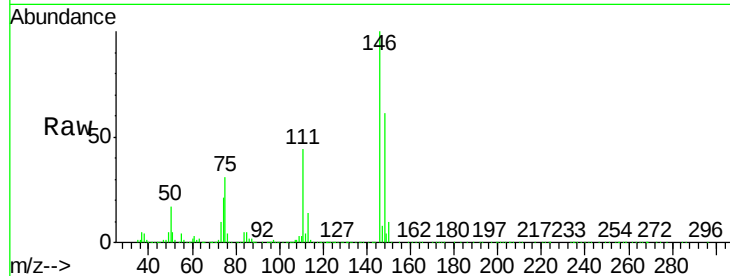




#62
 1,3-Dichlorobenzene
 Concen: 5.187 ug/L
 RT: 13.16 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VR025471.D
 Acq: 13 Jul 2018 20:24

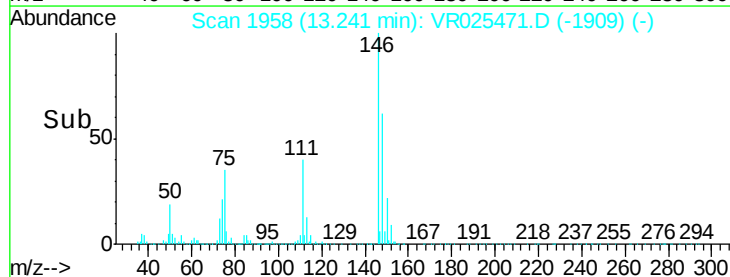
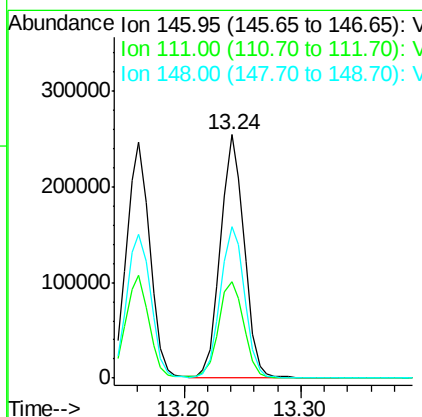
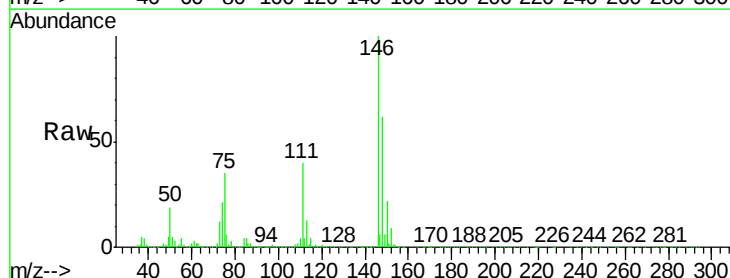
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00591

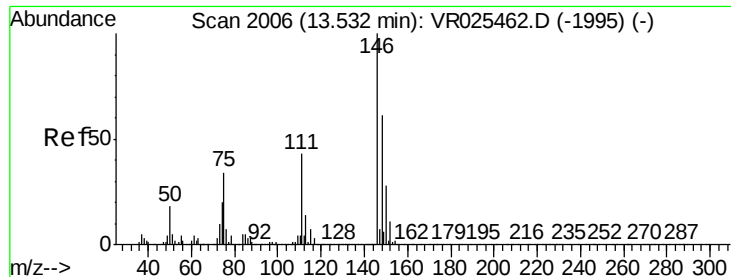
Tgt Ion:146 Resp: 341340
 Ion Ratio Lower Upper
 146 100
 111 43.7 31.0 57.6
 148 61.3 44.8 83.2



#63
 1,4-Dichlorobenzene
 Concen: 4.897 ug/L
 RT: 13.24 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VR025471.D
 Acq: 13 Jul 2018 20:24

Tgt Ion:146 Resp: 357713
 Ion Ratio Lower Upper
 146 100
 111 39.8 30.5 56.7
 148 62.3 42.8 79.4





#65

1,2-Dichlorobenzene

Concen: 5.125 ug/L

RT: 13.53 min Scan# 2005

Delta R.T. -0.01 min

Lab File: VR025471.D

Acq: 13 Jul 2018 20:24

Instrument :

MSVOA_R

ClientSampled :

VSTD00591

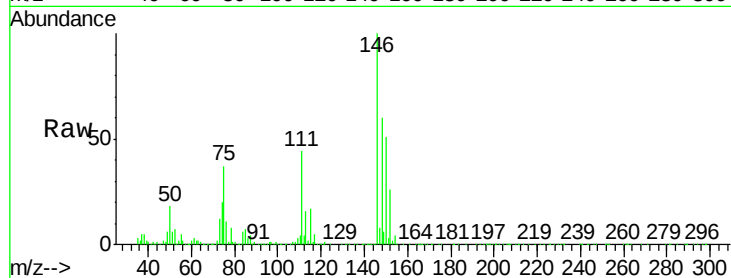
Tgt Ion:146 Resp: 293083

Ion Ratio Lower Upper

146 100

111 43.6 35.8 53.8

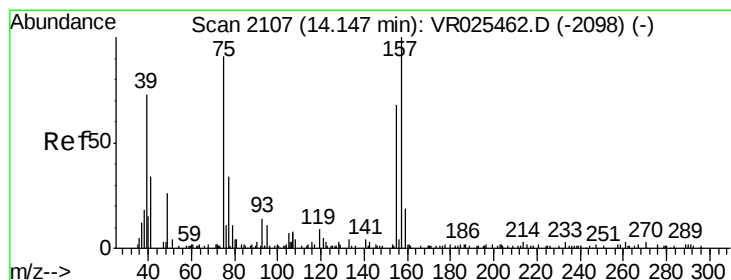
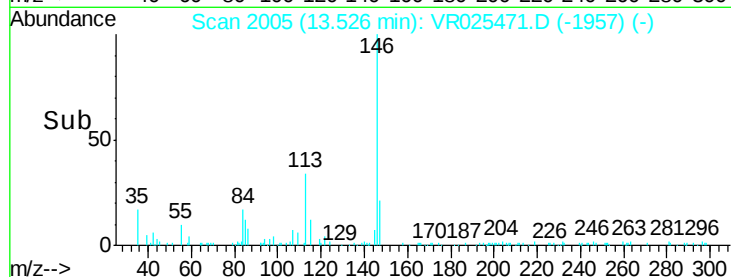
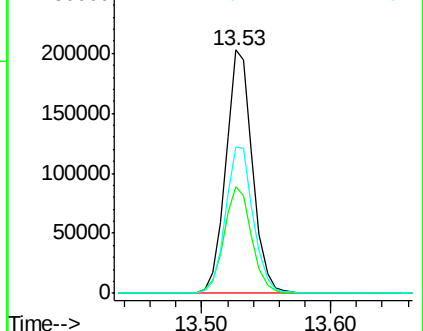
148 60.2 50.4 75.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.253 ug/L

RT: 14.14 min Scan# 2106

Delta R.T. -0.01 min

Lab File: VR025471.D

Acq: 13 Jul 2018 20:24

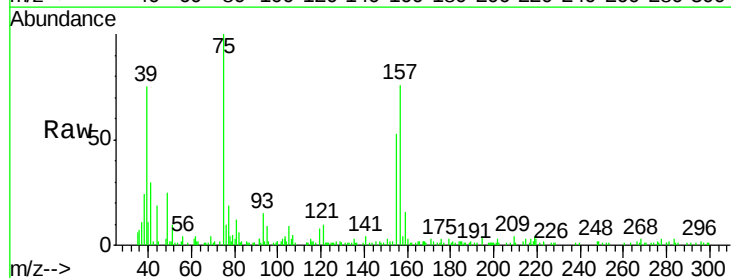
Tgt Ion: 75 Resp: 10758

Ion Ratio Lower Upper

75 100

155 52.8 74.1 111.1#

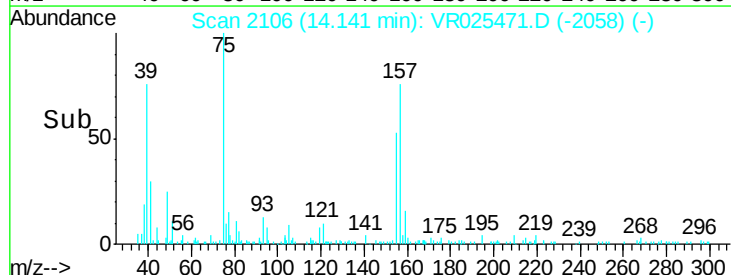
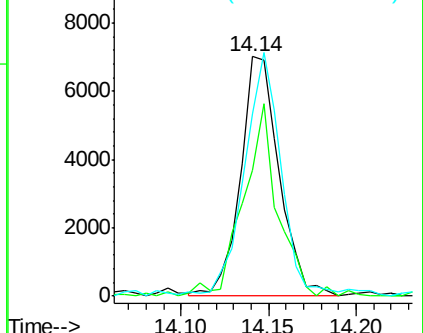
157 75.9 71.0 106.6

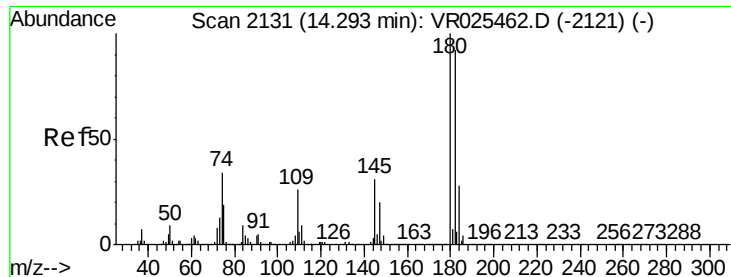


Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

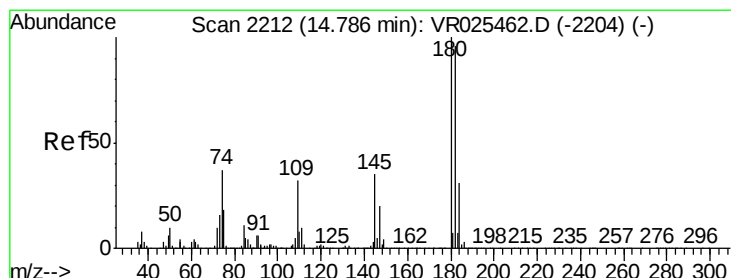
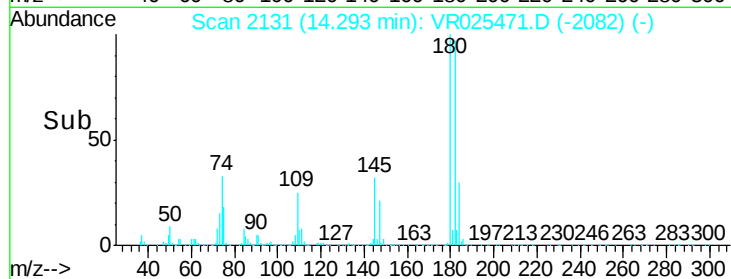
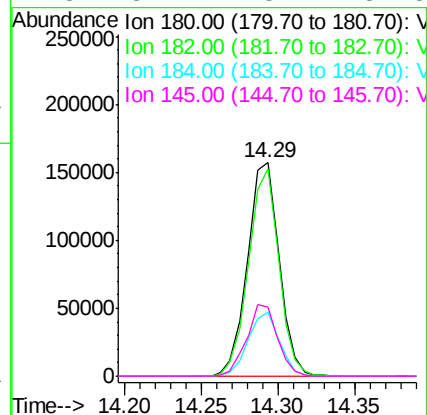
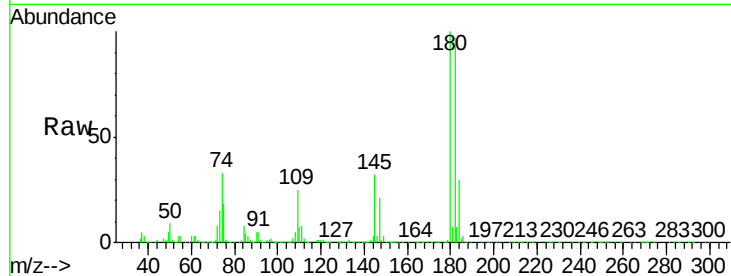




#67
 1,3,5-Trichlorobenzene
 Concen: 5.268 ug/L
 RT: 14.29 min Scan# 2131
 Delta R.T. 0.00 min
 Lab File: VR025471.D
 Acq: 13 Jul 2018 20:24

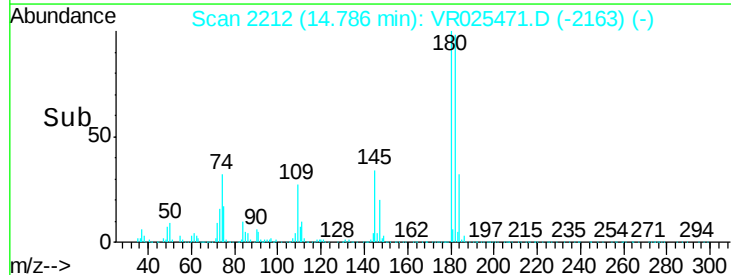
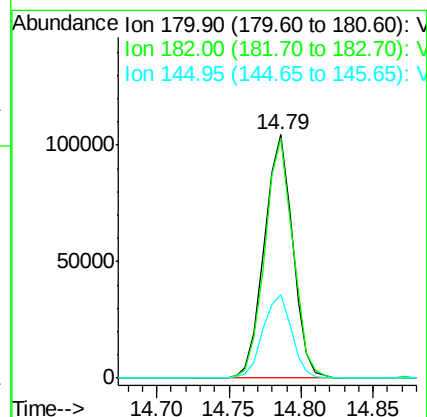
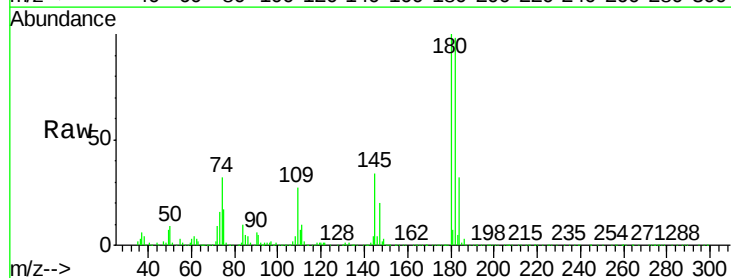
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00591

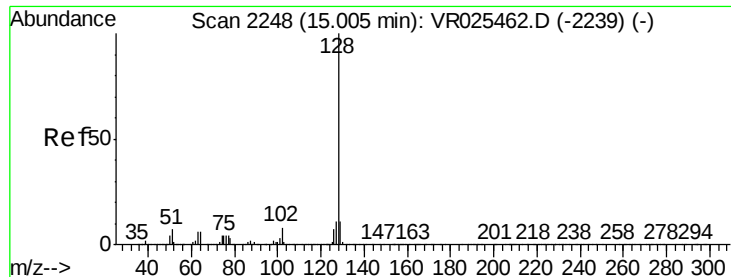
Tgt Ion:	180	Resp:	226411
Ion	Ratio	Lower	Upper
180	100		
182	93.0	76.0	114.0
184	29.5	24.5	36.7
145	32.4	25.2	37.8



#68
 1,2,4-trichlorobenzene
 Concen: 4.812 ug/L
 RT: 14.79 min Scan# 2212
 Delta R.T. 0.00 min
 Lab File: VR025471.D
 Acq: 13 Jul 2018 20:24

Tgt Ion:	180	Resp:	142169
Ion	Ratio	Lower	Upper
180	100		
182	97.4	75.0	112.4
145	34.3	27.3	40.9





#69

Naphthalene

Concen: 4.840 ug/L

RT: 15.00 min Scan# 2247

Delta R.T. -0.01 min

Lab File: VR025471.D

Acq: 13 Jul 2018 20:24

Instrument :

MSVOA_R

ClientSampleId :

VSTD00591

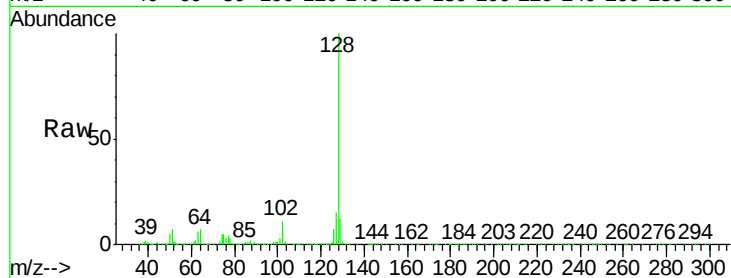
Tgt Ion:128 Resp: 183098

Ion Ratio Lower Upper

128 100

127 14.2 10.2 15.4

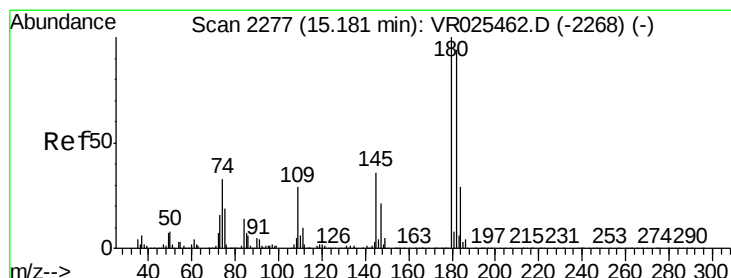
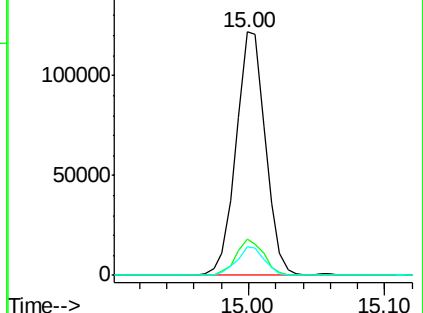
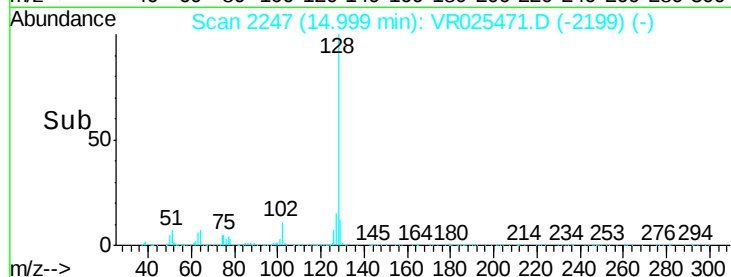
129 11.2 8.6 13.0



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: 5.033 ug/L

RT: 15.18 min Scan# 2277

Delta R.T. 0.00 min

Lab File: VR025471.D

Acq: 13 Jul 2018 20:24

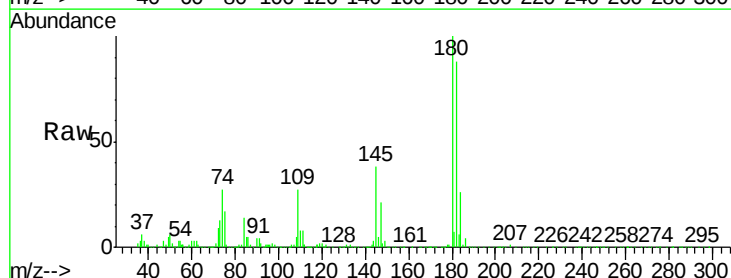
Tgt Ion:180 Resp: 114687

Ion Ratio Lower Upper

180 100

182 93.5 75.2 112.8

145 35.8 28.2 42.2



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

