

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071818\
 Data File : VR025515.D
 Acq On : 18 Jul 2018 20:30
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

Quant Time: Jul 19 05:19:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 19 05:17:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.47	114	614505	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	513621	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	211575	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	65997	3.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.00%
7) Chloroethane-d5	2.63	69	55569	3.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.00%
11) 1,1-Dichloroethene-d2	3.64	63	214522	4.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.60%
20) 2-Butanone-d5	6.60	46	203353	38.65	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	77.30%
24) Chloroform-d	7.21	84	361095	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.20%
26) 1,2-Dichloroethane-d4	7.90	65	134612	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.80%
32) Benzene-d6	7.86	84	741782	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
36) 1,2-Dichloropropane-d6	8.90	67	205399	4.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.40%
41) Toluene-d8	9.97	98	673055	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
43) trans-1,3-Dichloropropene-	10.24	79	53673	4.06	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.20%
46) 2-Hexanone-d5	10.59	63	215952	50.58	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.16%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	106280	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.40%
64) 1,2-Dichlorobenzene-d4	13.51	152	155446	4.45	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	192648	5.549 ug/L	98
3) Chloromethane	2.01	50	99868	4.852 ug/L	95
5) Vinyl chloride	2.16	62	94942	5.134 ug/L	93
6) Bromomethane	2.53	94	54812	5.038 ug/L	94
8) Chloroethane	2.67	64	55176	4.793 ug/L	100
9) Trichlorofluoromethane	2.94	101	38713	1.281 ug/L #	13
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	101319	5.509 ug/L	97
12) 1,1-Dichloroethene	3.65	96	94346	5.136 ug/L	92
13) Acetone	3.71	43	85788	36.187 ug/L	96
14) Carbon disulfide	3.96	76	175837	4.206 ug/L	97
15) Methyl Acetate	4.20	43	21766	4.104 ug/L	99
16) Methylene chloride	4.41	84	82517	4.585 ug/L	88
17) Methyl tert-butyl Ether	4.90	73	277597	4.636 ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	230814	5.051 ug/L	89
19) 1,1-Dichloroethane	5.70	63	379999	4.847 ug/L	97
21) 2-Butanone	6.70	43	243377	44.072 ug/L	98
22) cis-1,2-Dichloroethene	6.68	96	218996	5.222 ug/L #	96

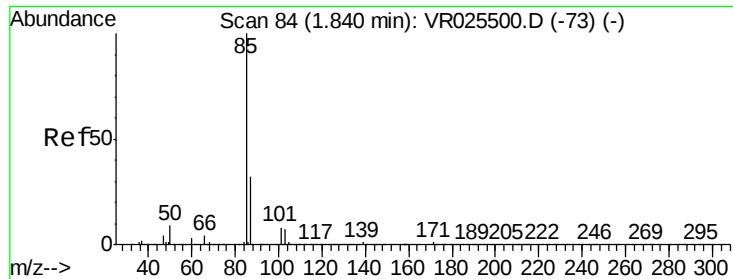
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071818\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	65055	4.818	ug/L	96
25) Chloroform	7.23	83	374808	4.977	ug/L	99
27) 1,2-Dichloroethane	8.00	62	160465	4.753	ug/L #	92
29) 1,1,1-Trichloroethane	7.44	97	258251	4.943	ug/L	99
30) Cyclohexane	7.52	56	330239	5.892	ug/L	95
31) Carbon tetrachloride	7.64	117	251420	5.440	ug/L	98
33) Benzene	7.91	78	917654	5.183	ug/L	100
34) Trichloroethene	8.71	95	216654	4.807	ug/L	95
35) Methylcyclohexane	8.96	83	366858	6.088	ug/L	95
37) 1,2-Dichloropropane	8.99	63	203832	4.953	ug/L	100
38) Bromodichloromethane	9.28	83	206942	4.934	ug/L #	98
39) cis-1,3-Dichloropropene	9.72	75	234629	5.070	ug/L	99
40) 4-Methyl-2-pentanone	9.86	43	626625	52.543	ug/L	95
42) Toluene	10.03	91	935088	5.431	ug/L	97
44) trans-1,3-Dichloropropene	10.27	75	163438	4.810	ug/L	96
45) 1,1,2-Trichloroethane	10.44	97	100459	4.982	ug/L	96
47) Tetrachloroethene	10.52	164	150272	5.106	ug/L	98
48) 2-Hexanone	10.64	43	426575	51.998	ug/L #	95
49) Dibromochloromethane	10.78	129	108147	5.144	ug/L	95
50) 1,2-Dibromoethane	10.89	107	80888	4.952	ug/L #	96
51) Chlorobenzene	11.31	112	538587	5.138	ug/L	97
52) Ethylbenzene	11.39	91	1015667	5.502	ug/L	98
53) m,p-Xylene	11.50	106	378136	5.459	ug/L	90
54) o-Xylene	11.83	106	343264	5.752	ug/L	99
55) Styrene	11.85	104	570319	5.809	ug/L	90
56) Isopropylbenzene	12.13	105	931219	5.893	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.38	83	100113	5.041	ug/L #	91
59) 1,2,3-Trichloropropane	12.43	75	71138	4.976	ug/L	98
61) Bromoform	12.01	173	38836	4.507	ug/L	99
62) 1,3-Dichlorobenzene	13.16	146	318157	5.132	ug/L	99
63) 1,4-Dichlorobenzene	13.24	146	345122	5.015	ug/L	96
65) 1,2-Dichlorobenzene	13.53	146	281181	5.220	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.15	75	10055	4.219	ug/L #	75
67) 1,3,5-Trichlorobenzene	14.29	180	209836	5.183	ug/L	99
68) 1,2,4-trichlorobenzene	14.79	180	140274	5.040	ug/L	99
69) Naphthalene	15.00	128	184169	5.167	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	118034	5.499	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.549 ug/L

RT: 1.84 min Scan# 84

Delta R.T. -0.00 min

Lab File: VR025515.D

Acq: 18 Jul 2018 20:30

Instrument :

MSVOA_R

ClientSampleId :

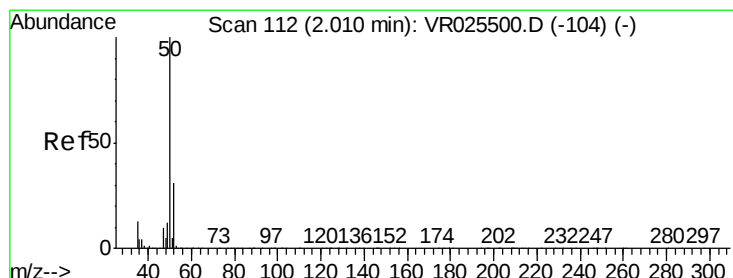
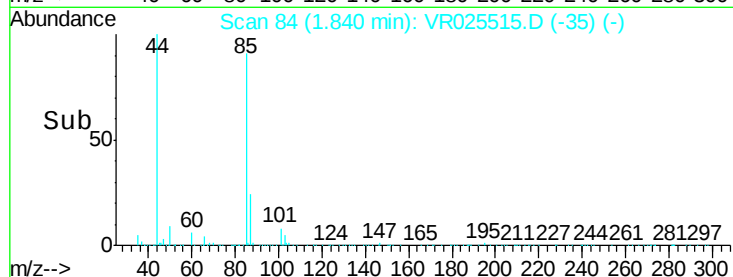
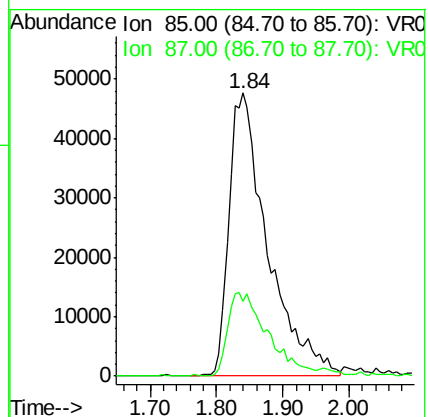
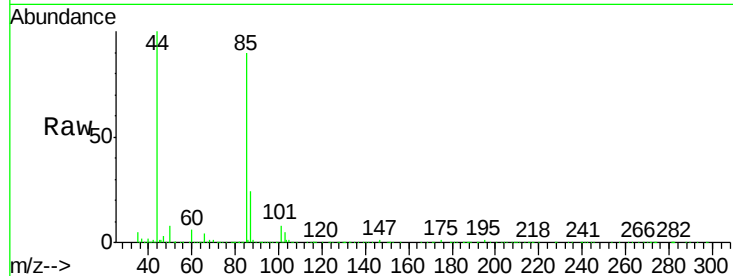
VSTD00597

Tgt Ion: 85 Resp: 192648

Ion Ratio Lower Upper

85 100

87 30.3 25.4 38.0



#3

Chloromethane

Concen: 4.852 ug/L

RT: 2.01 min Scan# 112

Delta R.T. -0.00 min

Lab File: VR025515.D

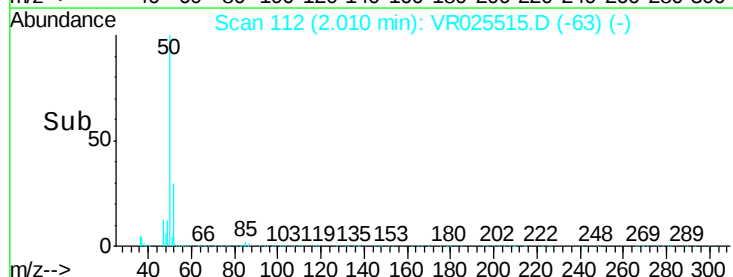
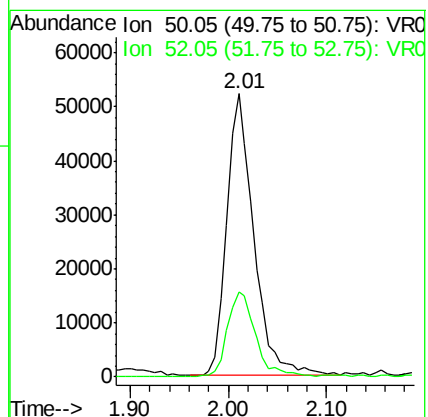
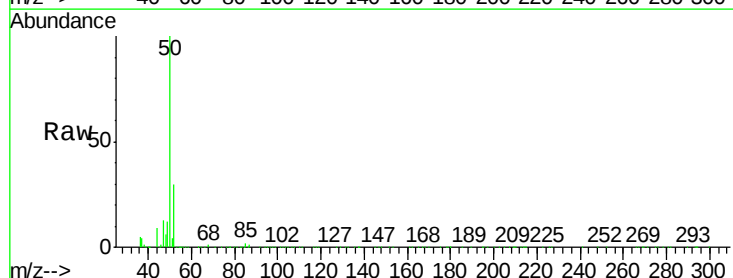
Acq: 18 Jul 2018 20:30

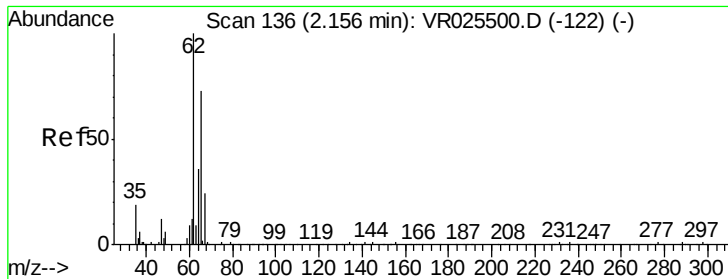
Tgt Ion: 50 Resp: 99868

Ion Ratio Lower Upper

50 100

52 29.9 22.8 42.4





#5

Vinyl chloride

Concen: 5.134 ug/L

RT: 2.16 min Scan# 137

Delta R.T. 0.01 min

Lab File: VR025515.D

Acq: 18 Jul 2018 20:30

Instrument :

MSVOA_R

ClientSampleId :

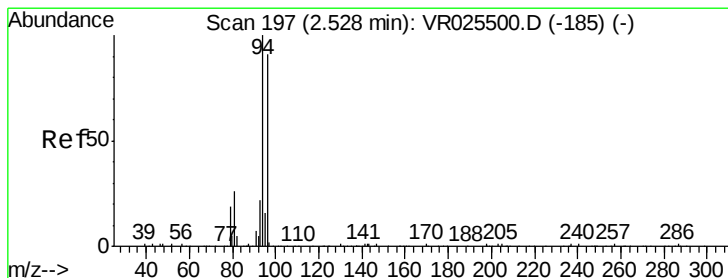
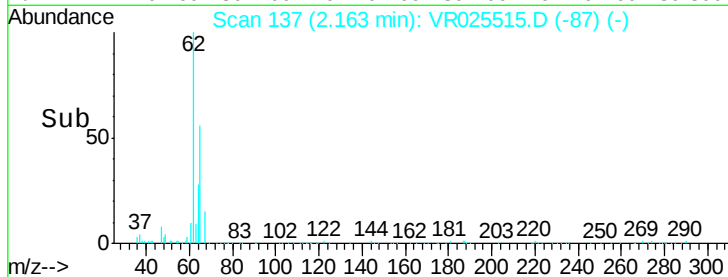
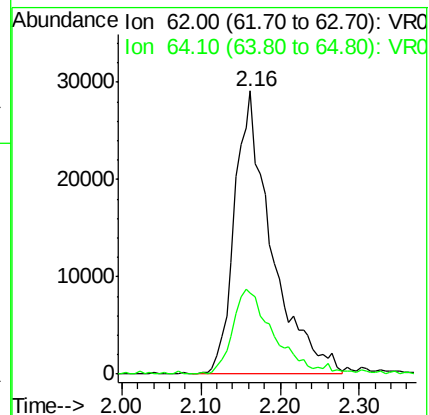
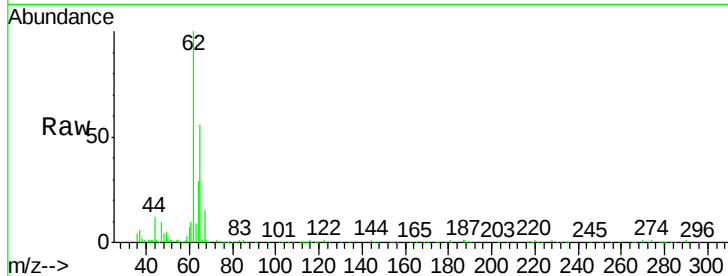
VSTD00597

Tgt Ion: 62 Resp: 94942

Ion Ratio Lower Upper

62 100

64 28.6 22.8 42.4



#6

Bromomethane

Concen: 5.038 ug/L

RT: 2.53 min Scan# 197

Delta R.T. -0.00 min

Lab File: VR025515.D

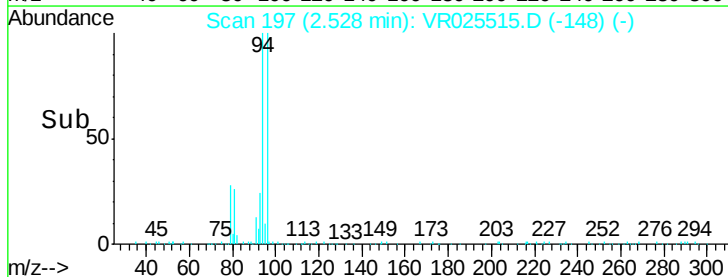
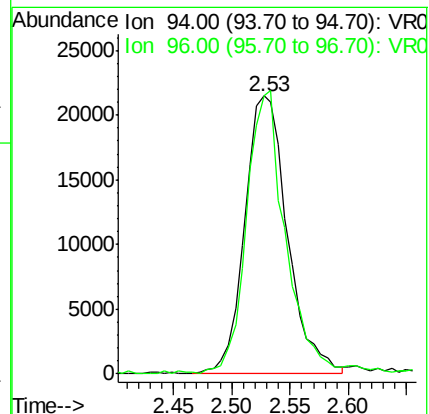
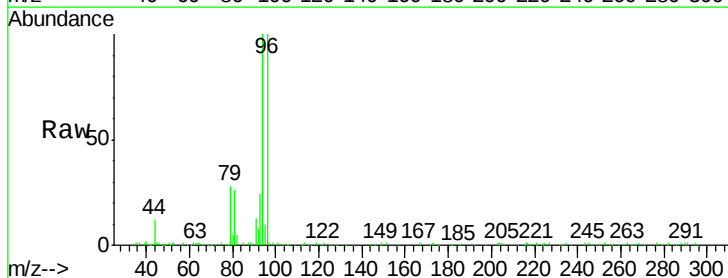
Acq: 18 Jul 2018 20:30

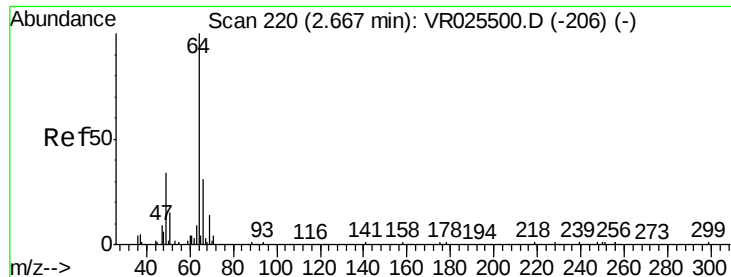
Tgt Ion: 94 Resp: 54812

Ion Ratio Lower Upper

94 100

96 99.9 65.9 122.3





#8

Chloroethane

Concen: 4.793 ug/L

RT: 2.67 min Scan# 220

Delta R.T. -0.00 min

Lab File: VR025515.D

Acq: 18 Jul 2018 20:30

Instrument :

MSVOA_R

ClientSampleId :

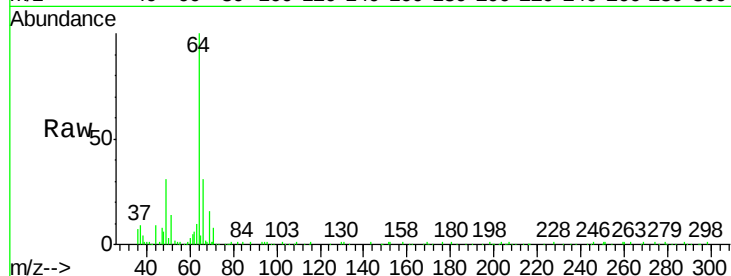
VSTD00597

Tgt Ion: 64 Resp: 55176

Ion Ratio Lower Upper

64 100

66 30.5 21.3 39.5



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0

2.67

20000

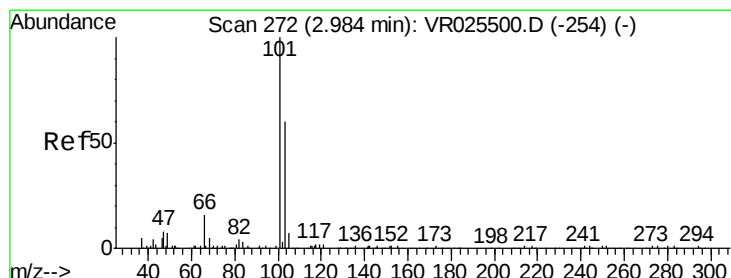
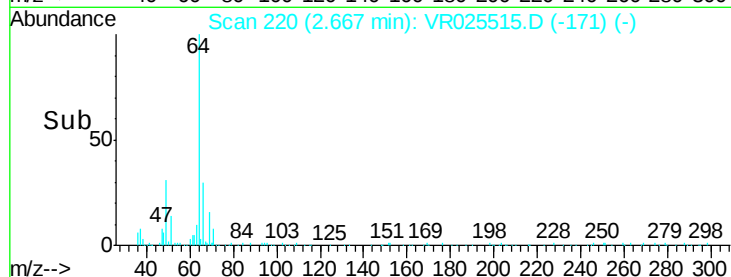
15000

10000

5000

0

Time-->



#9

Trichlorofluoromethane

Concen: 1.281 ug/L

RT: 2.94 min Scan# 265

Delta R.T. -0.04 min

Lab File: VR025515.D

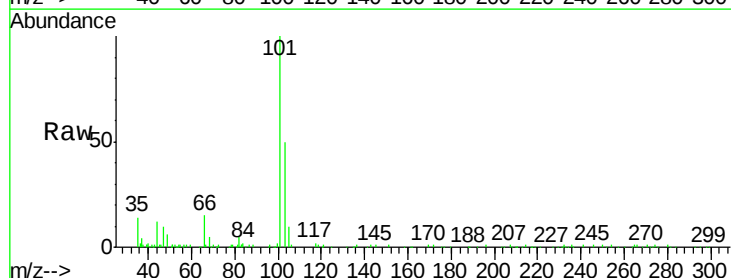
Acq: 18 Jul 2018 20:30

Tgt Ion: 101 Resp: 38713

Ion Ratio Lower Upper

101 100

103 49.0 11.0 16.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

2.94

20000

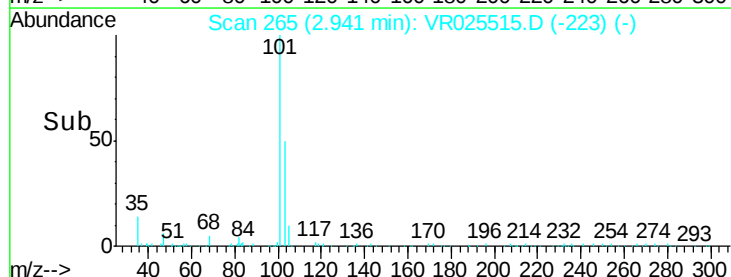
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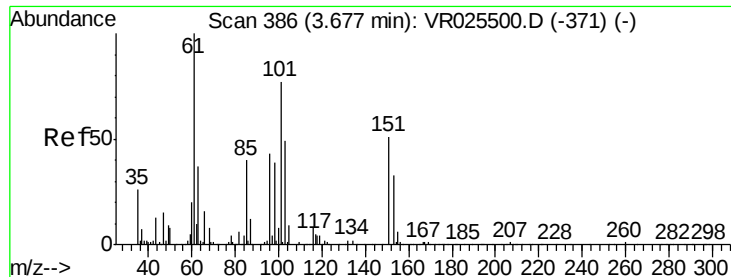
10000

5000

0

Time-->





#10

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

Concen: 5.509 ug/L

RT: 3.69 min Scan# 388

Delta R.T. 0.01 min

Lab File: VR025515.D

Acq: 18 Jul 2018 20:30

Instrument :

MSVOA_R

ClientSampleId :

VSTD00597

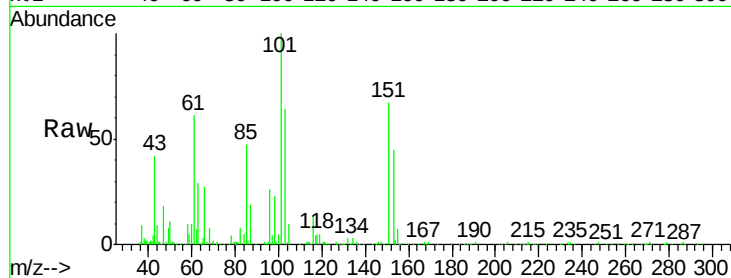
Tgt Ion: 101 Resp: 101319

Ion Ratio Lower Upper

101 100

85 53.2 39.1 58.7

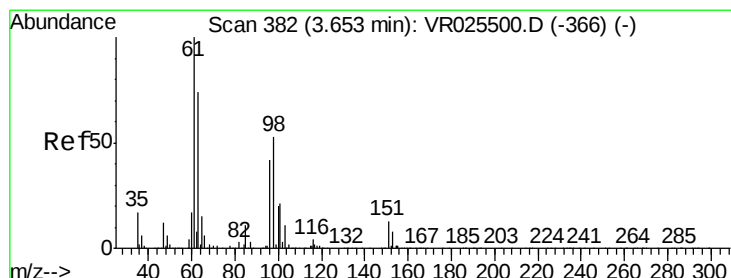
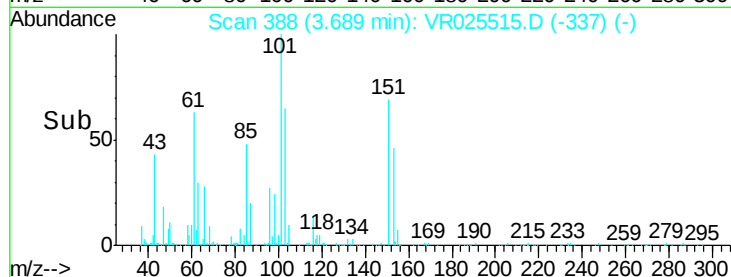
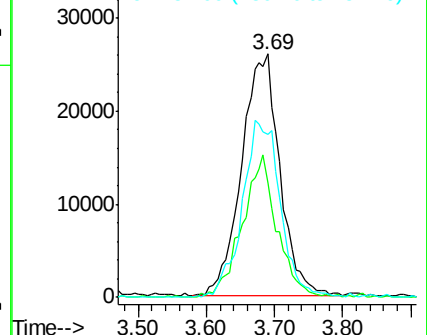
151 72.8 57.5 86.3



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: 5.136 ug/L

RT: 3.65 min Scan# 382

Delta R.T. -0.00 min

Lab File: VR025515.D

Acq: 18 Jul 2018 20:30

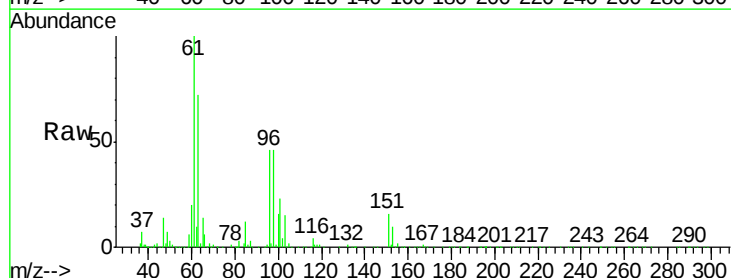
Tgt Ion: 96 Resp: 94346

Ion Ratio Lower Upper

96 100

61 215.4 155.0 287.9

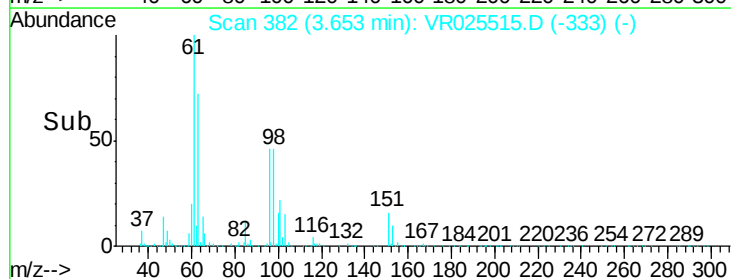
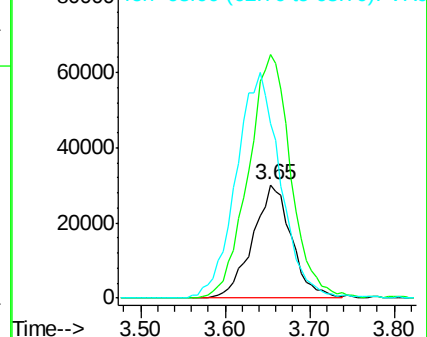
63 154.7 122.3 227.1

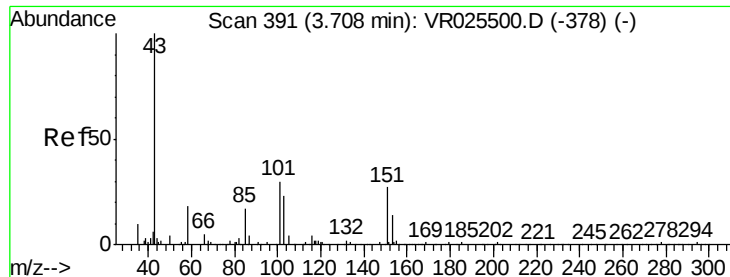


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 36.187 ug/L

RT: 3.71 min Scan# 392

Delta R.T. 0.01 min

Lab File: VR025515.D

Acq: 18 Jul 2018 20:30

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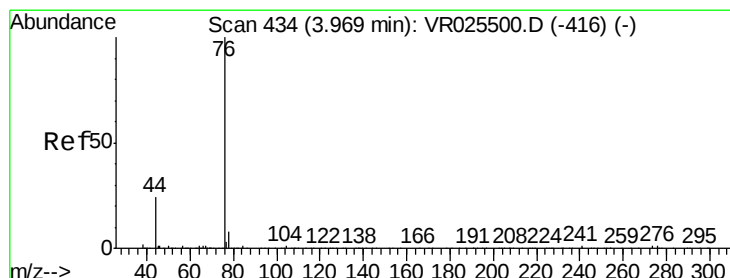
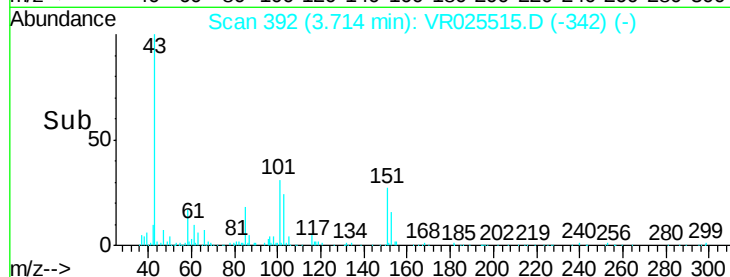
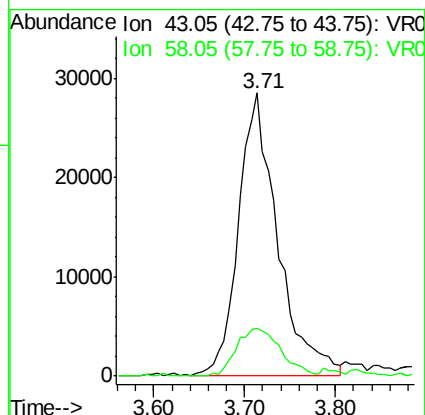
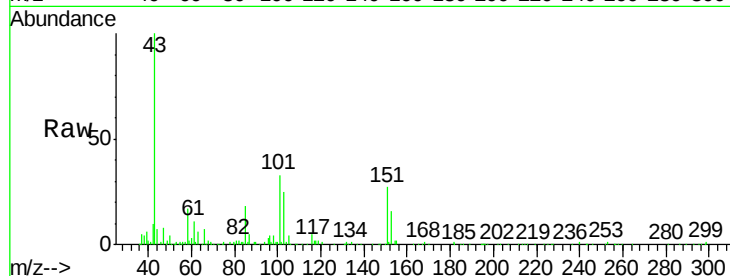
VSTD00597

Tgt Ion: 43 Resp: 85788

Ion Ratio Lower Upper

43 100

58 19.0 0.0 41.6



#14

Carbon disulfide

Concen: 4.206 ug/L

RT: 3.96 min Scan# 432

Delta R.T. -0.01 min

Lab File: VR025515.D

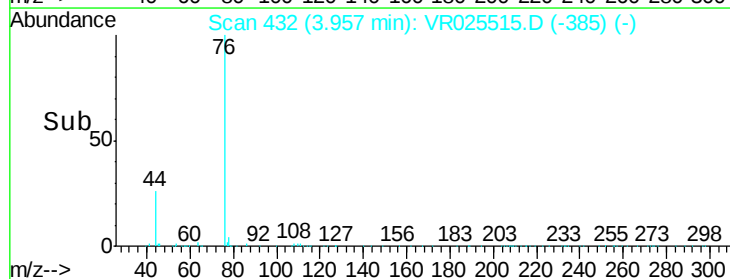
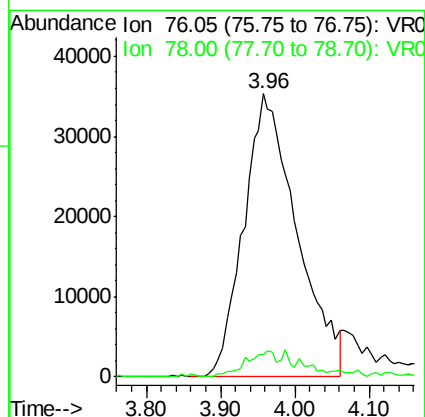
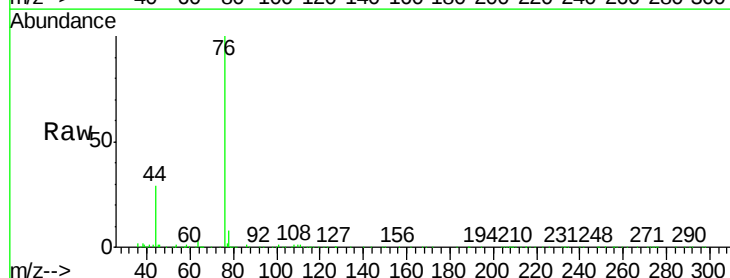
Acq: 18 Jul 2018 20:30

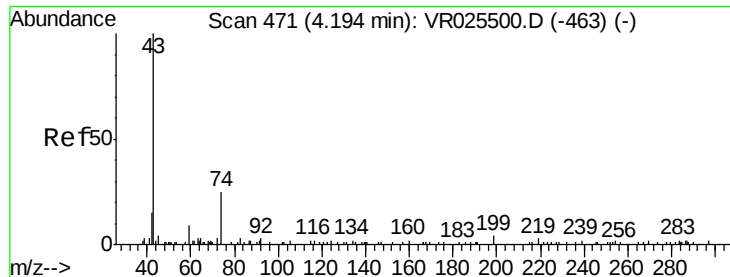
Tgt Ion: 76 Resp: 175837

Ion Ratio Lower Upper

76 100

78 8.1 7.4 11.2

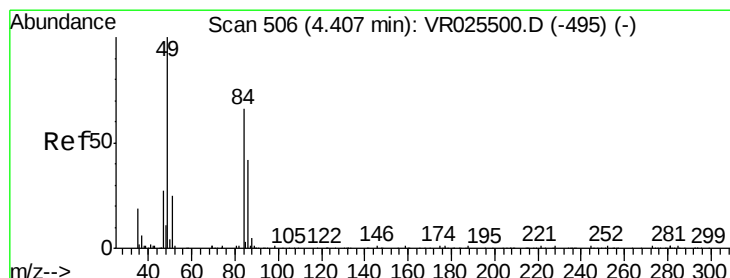
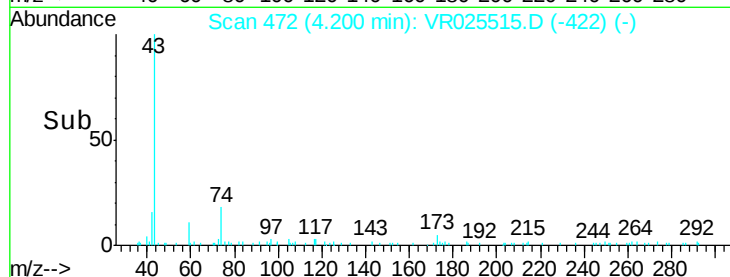
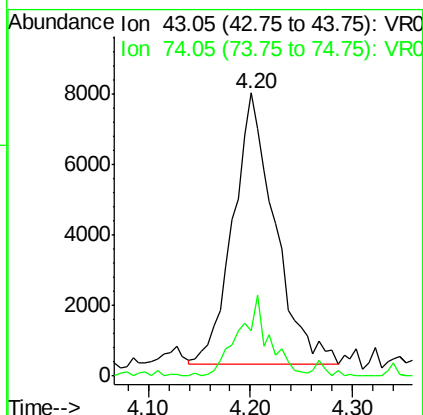
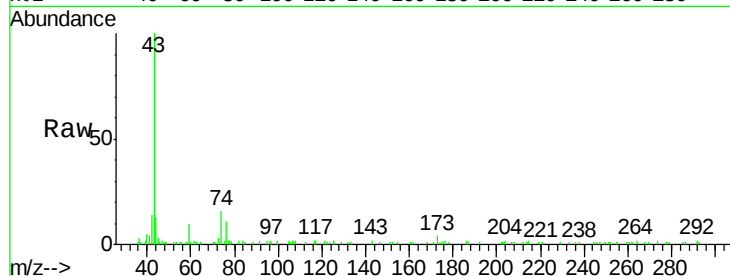




#15
Methyl Acetate
Concen: 4.104 ug/L
RT: 4.20 min Scan# 472
Delta R.T. 0.01 min
Lab File: VR025515.D
Acq: 18 Jul 2018 20:30

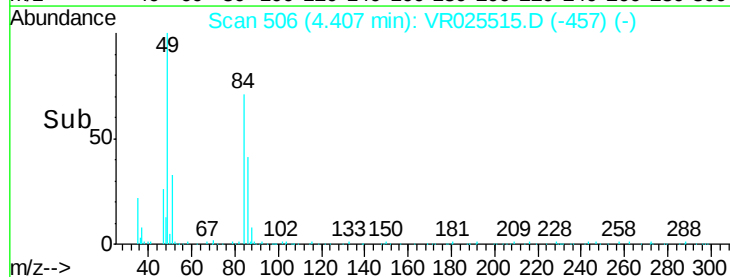
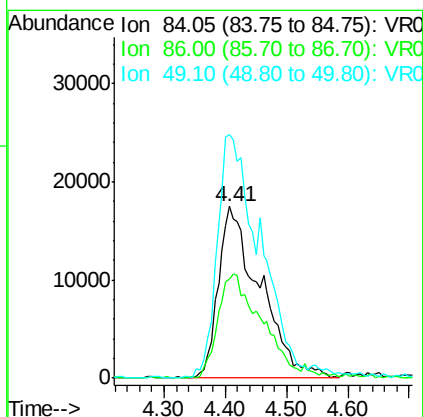
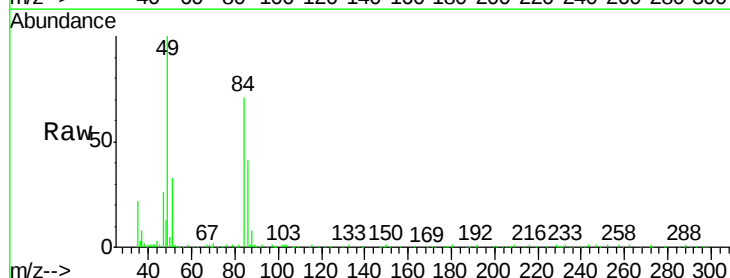
Instrument :
MSVOA_R
ClientSampleId :
VSTD00597

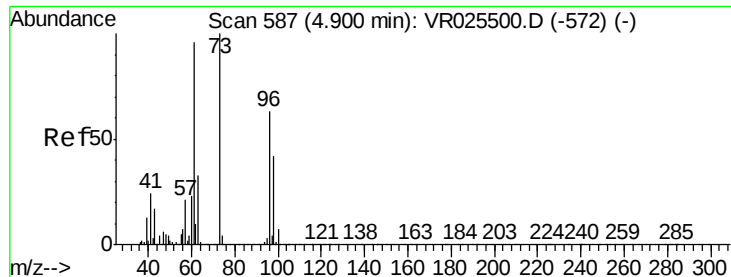
Tgt Ion: 43 Resp: 21766
Ion Ratio Lower Upper
43 100
74 21.5 16.7 25.1



#16
Methylene chloride
Concen: 4.585 ug/L
RT: 4.41 min Scan# 506
Delta R.T. -0.00 min
Lab File: VR025515.D
Acq: 18 Jul 2018 20:30

Tgt Ion: 84 Resp: 82517
Ion Ratio Lower Upper
84 100
86 57.5 43.7 81.1
49 141.8 87.2 162.0





#17

Methyl tert-butyl Ether

Concen: 4.636 ug/L

RT: 4.90 min Scan# 587

Delta R.T. -0.00 min

Lab File: VR025515.D

Acq: 18 Jul 2018 20:30

Instrument :

MSVOA_R

ClientSampleId :

VSTD00597

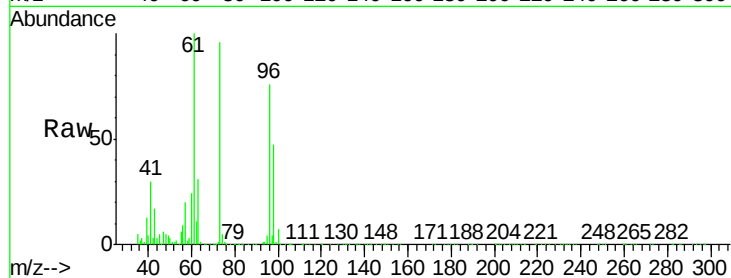
Tgt Ion: 73 Resp: 277597

Ion Ratio Lower Upper

73 100

43 18.6 15.8 23.6

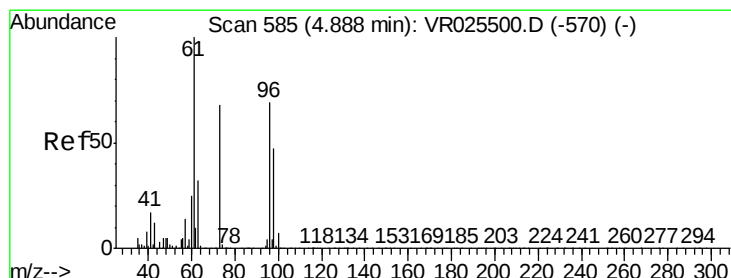
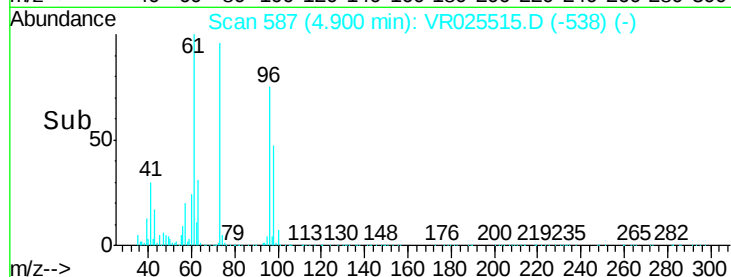
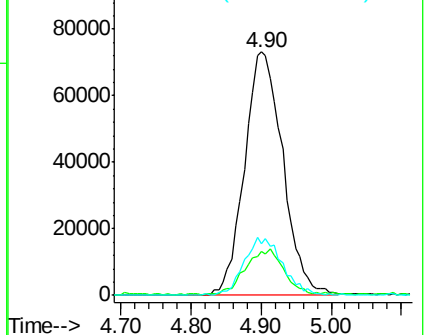
57 23.8 19.0 28.4



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: 5.051 ug/L

RT: 4.88 min Scan# 584

Delta R.T. -0.01 min

Lab File: VR025515.D

Acq: 18 Jul 2018 20:30

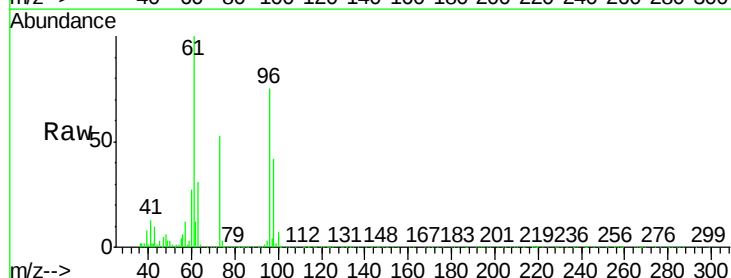
Tgt Ion: 96 Resp: 230814

Ion Ratio Lower Upper

96 100

61 132.7 104.4 193.8

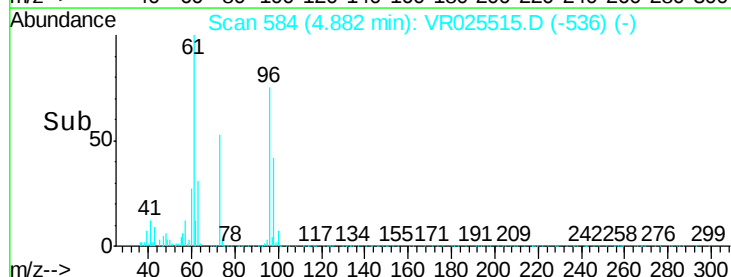
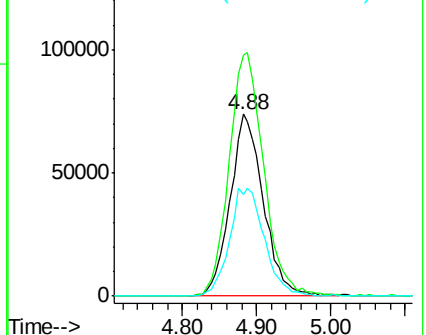
98 55.8 43.1 80.1

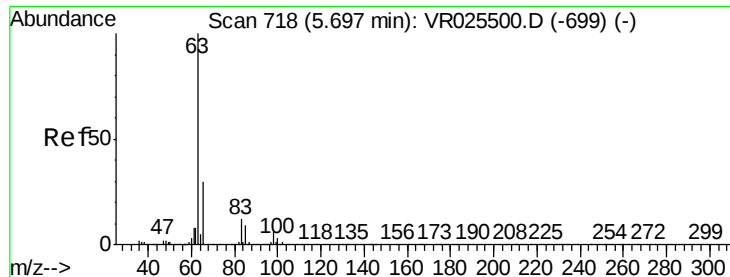


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 97.95 (97.65 to 98.65): VR0

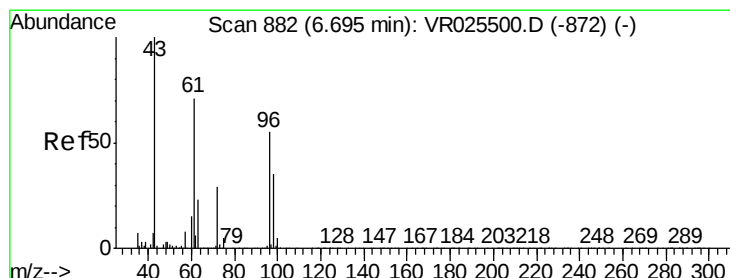
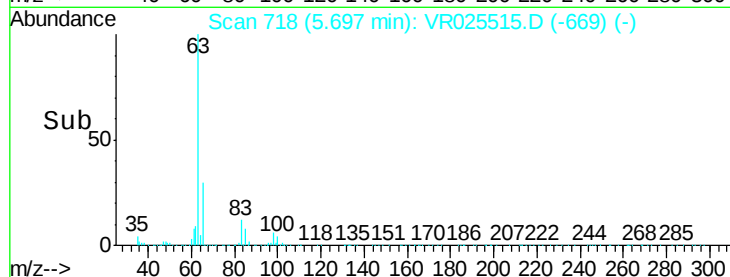
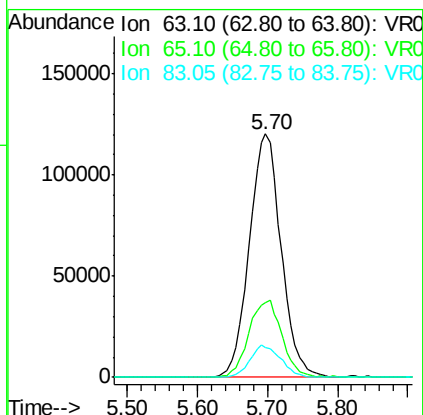
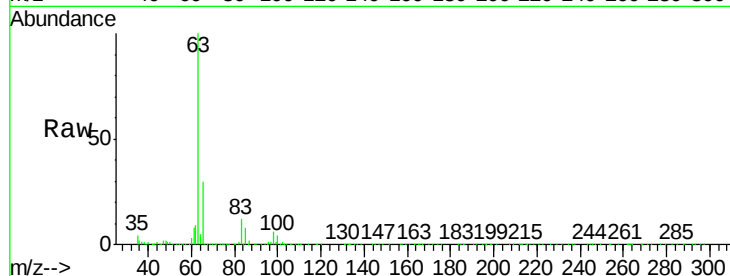




#19
 1,1-Dichloroethane
 Concen: 4.847 ug/L
 RT: 5.70 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VR025515.D
 Acq: 18 Jul 2018 20:30

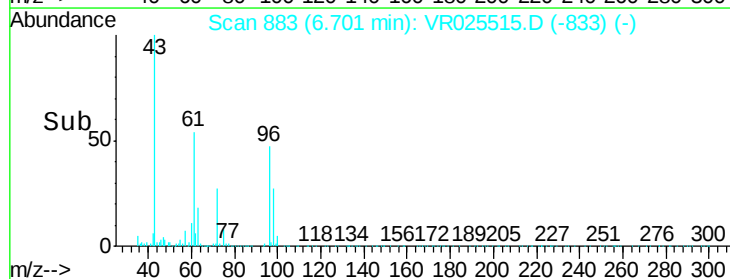
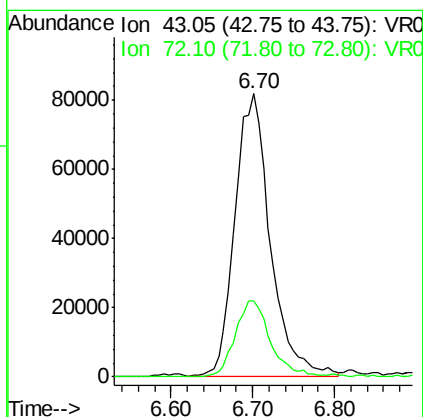
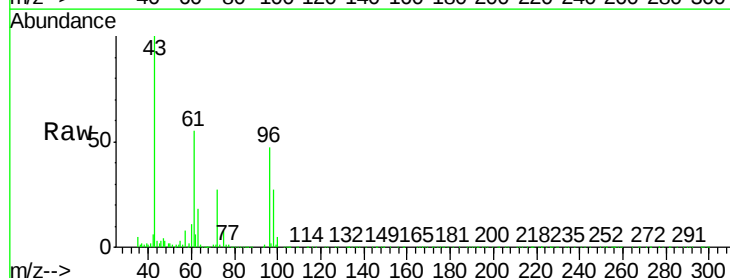
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

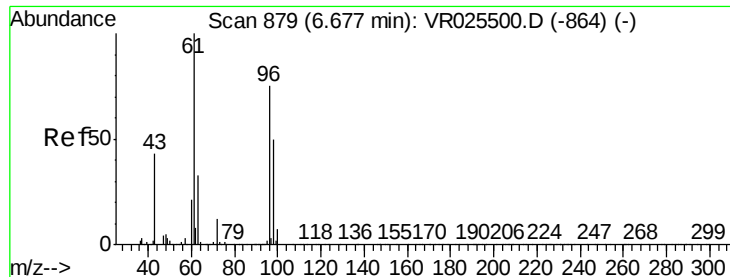
Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.5	22.5	41.7
83	12.1	9.5	17.7



#21
 2-Butanone
 Concen: 44.072 ug/L
 RT: 6.70 min Scan# 883
 Delta R.T. 0.01 min
 Lab File: VR025515.D
 Acq: 18 Jul 2018 20:30

Tgt Ion	Ratio	Lower	Upper
43	100		
72	27.0	13.0	38.9



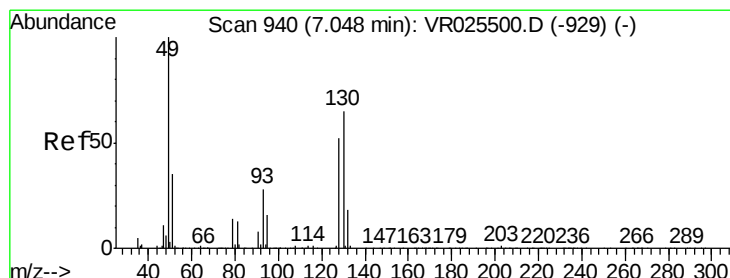
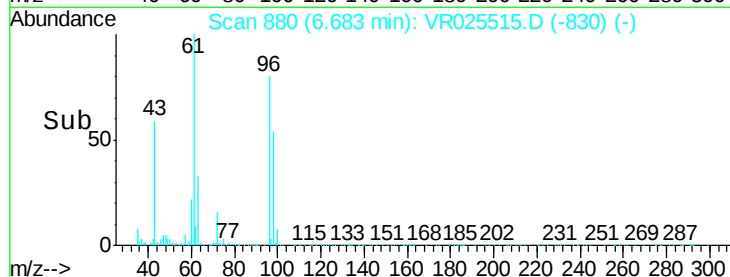
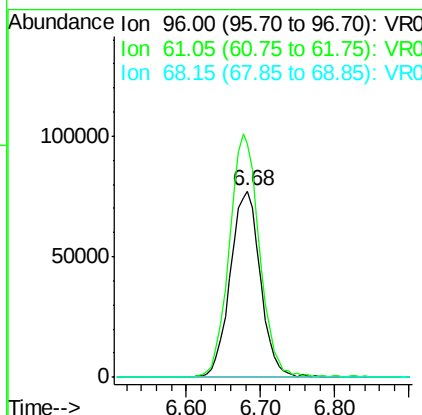
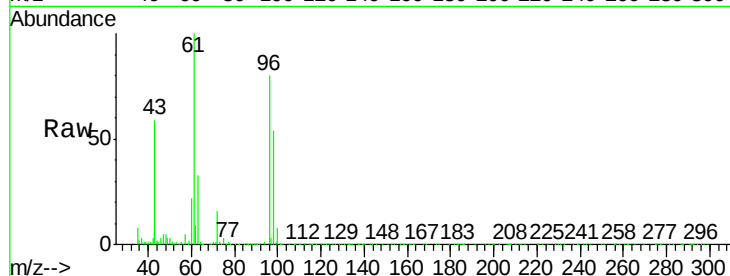


#22

cis-1,2-Dichloroethene
 Concen: 5.222 ug/L
 RT: 6.68 min Scan# 880
 Delta R.T. 0.01 min
 Lab File: VR025515.D
 Acq: 18 Jul 2018 20:30

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

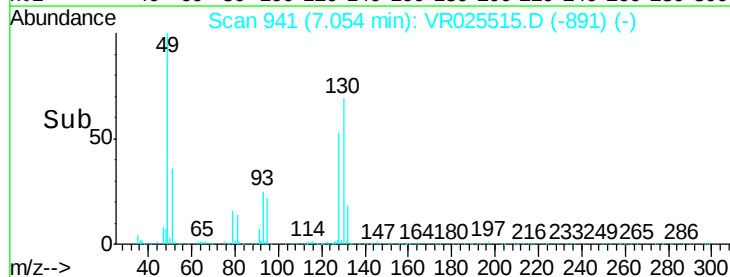
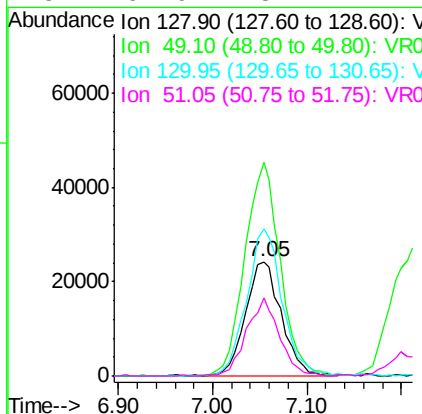
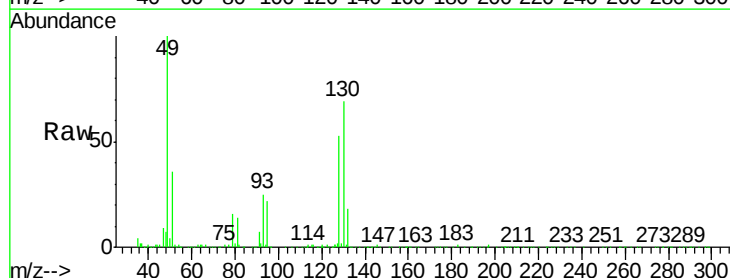
Tgt Ion: 96 Resp: 218996
 Ion Ratio Lower Upper
 96 100
 61 125.1 91.0 169.0
 68 0.1 0.0 0.0#

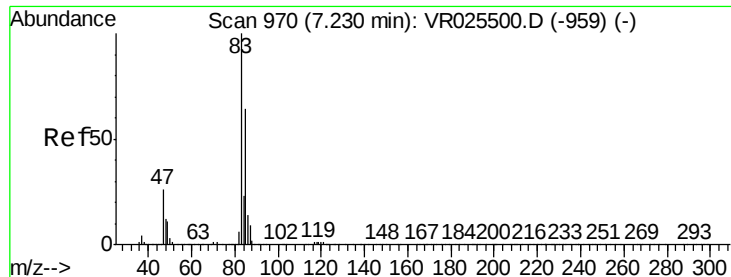


#23

Bromochloromethane
 Concen: 4.818 ug/L
 RT: 7.05 min Scan# 941
 Delta R.T. 0.01 min
 Lab File: VR025515.D
 Acq: 18 Jul 2018 20:30

Tgt Ion: 128 Resp: 65055
 Ion Ratio Lower Upper
 128 100
 49 187.0 128.7 238.9
 130 129.2 87.2 161.9
 51 67.9 48.2 72.2

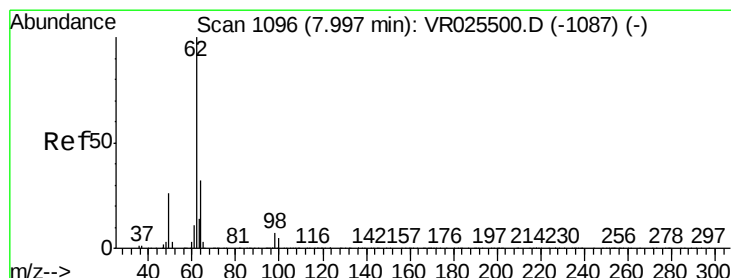
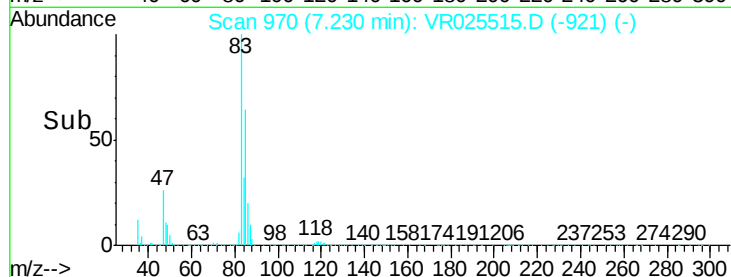
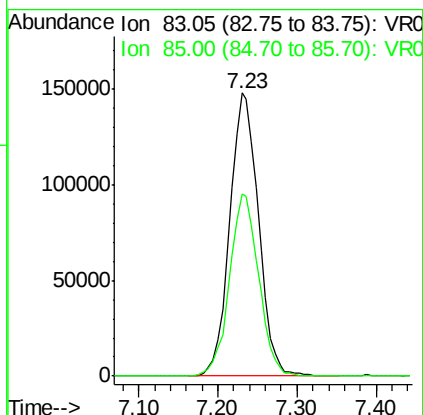
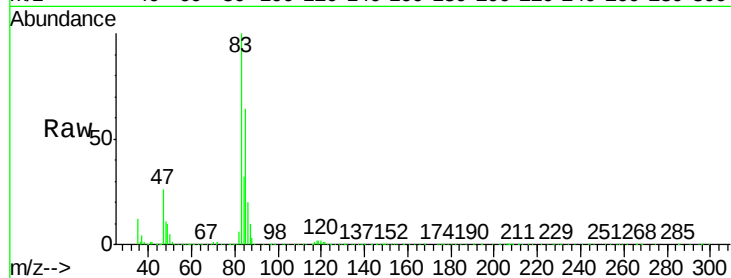




#25
Chloroform
Concen: 4.977 ug/L
RT: 7.23 min Scan# 970
Delta R.T. -0.00 min
Lab File: VR025515.D
Acq: 18 Jul 2018 20:30

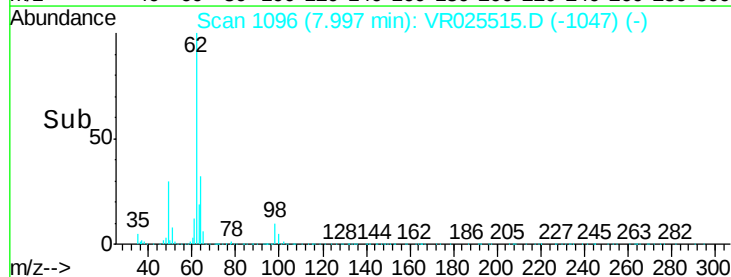
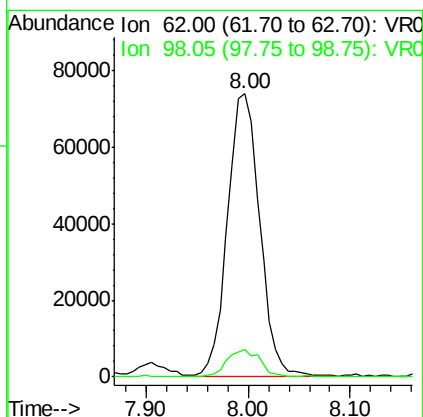
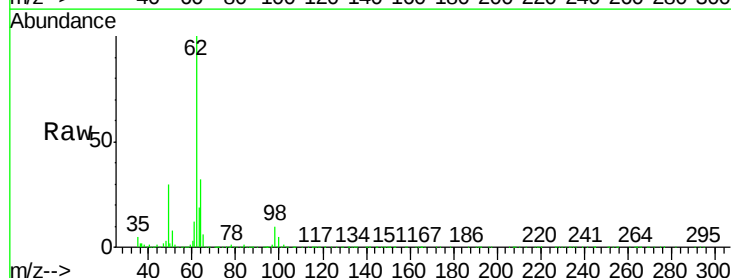
Instrument :
MSVOA_R
ClientSampleId :
VSTD00597

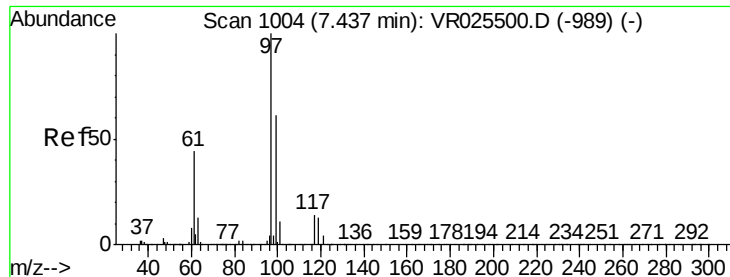
Tgt Ion: 83 Resp: 374808
Ion Ratio Lower Upper
83 100
85 64.4 45.4 84.4



#27
1,2-Dichloroethane
Concen: 4.753 ug/L
RT: 8.00 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VR025515.D
Acq: 18 Jul 2018 20:30

Tgt Ion: 62 Resp: 160465
Ion Ratio Lower Upper
62 100
98 9.6 5.4 8.2#

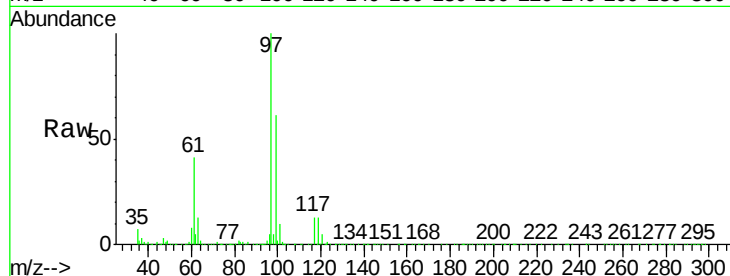




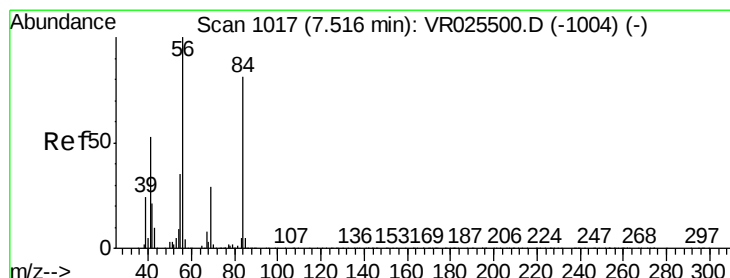
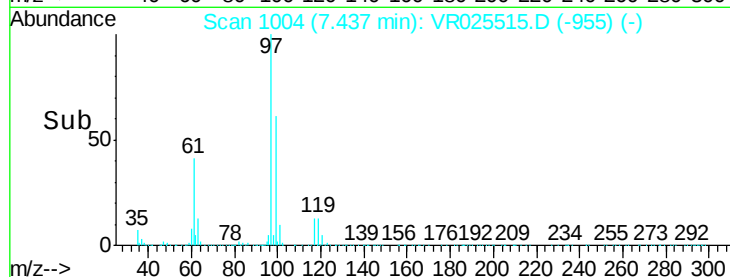
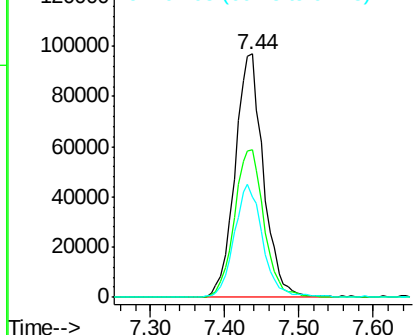
#29
 1,1,1-Trichloroethane
 Concen: 4.943 ug/L
 RT: 7.44 min Scan# 1004
 Delta R.T. -0.00 min
 Lab File: VR025515.D
 Acq: 18 Jul 2018 20:30

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	52.1	78.1
61	46.4	37.0	55.6

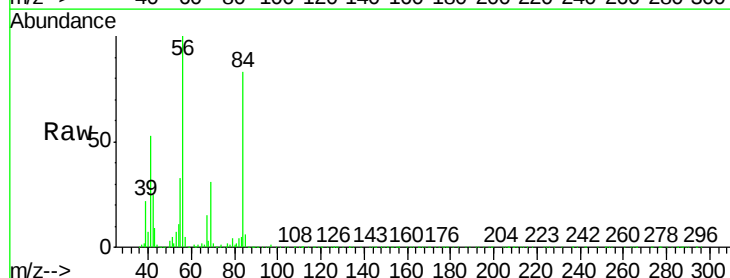


Abundance Ion 96.95 (96.65 to 97.65): VR0
 Ion 99.05 (98.75 to 99.75): VR0
 Ion 61.05 (60.75 to 61.75): VR0

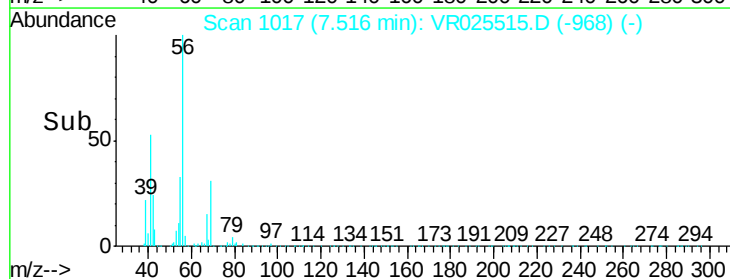
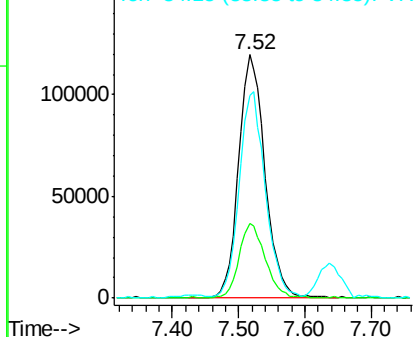


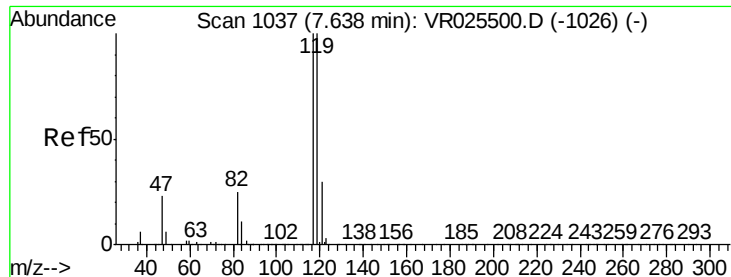
#30
 Cyclohexane
 Concen: 5.892 ug/L
 RT: 7.52 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VR025515.D
 Acq: 18 Jul 2018 20:30

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.7	23.7	35.5
84	83.1	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

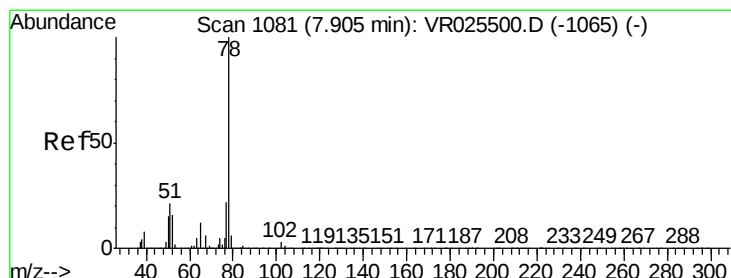
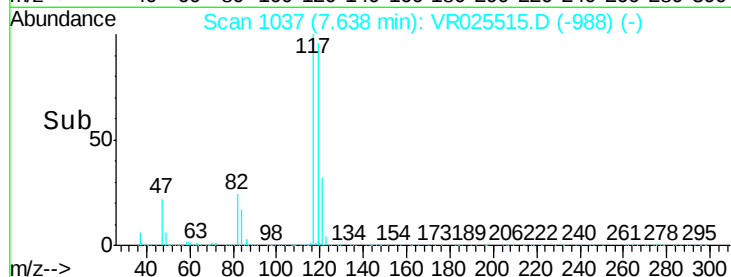
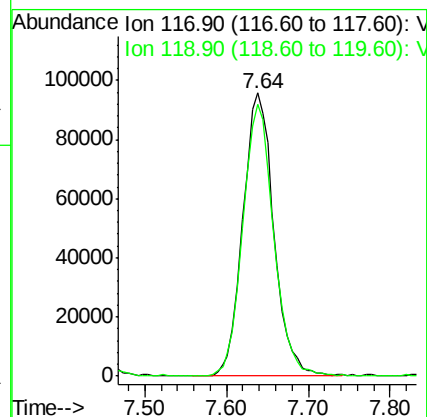
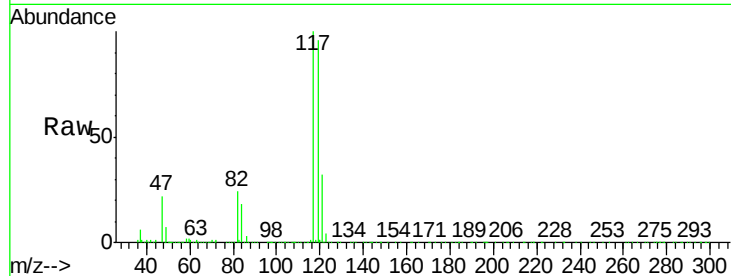




#31
Carbon tetrachloride
Concen: 5.440 ug/L
RT: 7.64 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VR025515.D
Acq: 18 Jul 2018 20:30

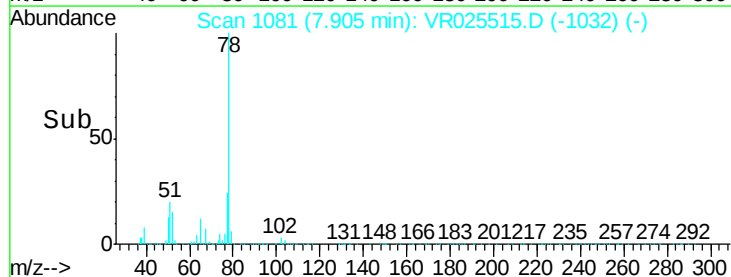
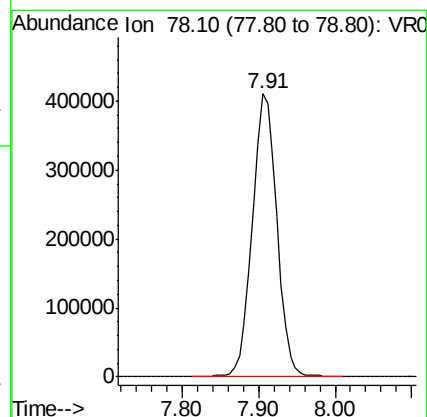
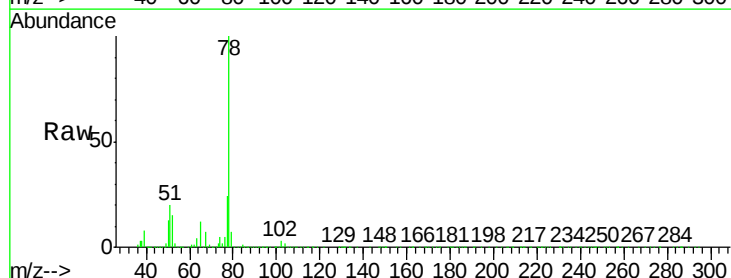
Instrument :
MSVOA_R
ClientSampleId :
VSTD00597

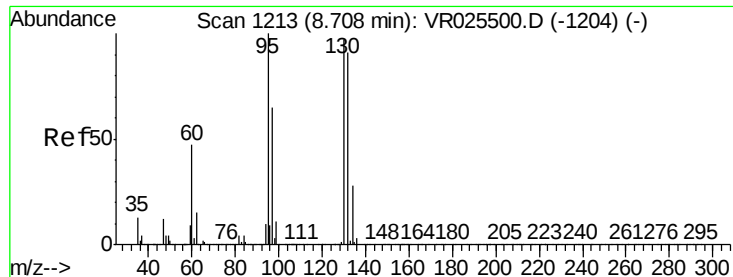
Tgt Ion:117 Resp: 251420
Ion Ratio Lower Upper
117 100
119 95.9 75.5 113.3



#33
Benzene
Concen: 5.183 ug/L
RT: 7.91 min Scan# 1081
Delta R.T. -0.00 min
Lab File: VR025515.D
Acq: 18 Jul 2018 20:30

Tgt Ion: 78 Resp: 917654





#34

Trichloroethene

Concen: 4.807 ug/L

RT: 8.71 min Scan# 1214

Delta R.T. 0.01 min

Lab File: VR025515.D

Acq: 18 Jul 2018 20:30

Instrument :

MSVOA_R

ClientSampleId :

VSTD00597

Tgt Ion: 95 Resp: 216654

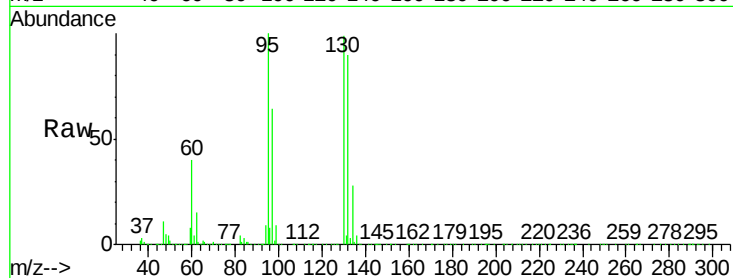
Ion Ratio Lower Upper

95 100

97 64.0 45.6 84.6

132 89.5 60.9 113.1

130 98.7 62.0 115.2

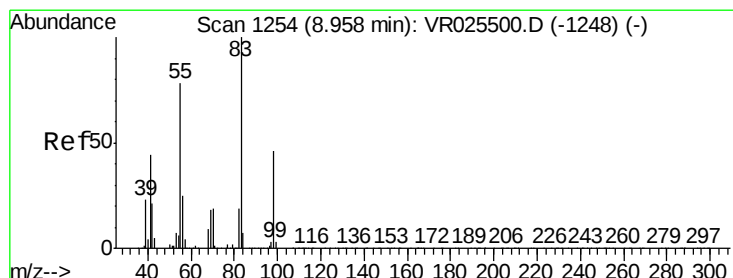
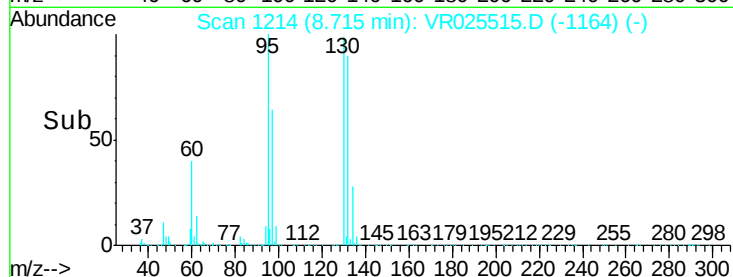
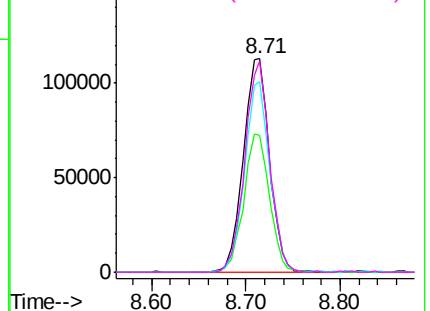


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 6.088 ug/L

RT: 8.96 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VR025515.D

Acq: 18 Jul 2018 20:30

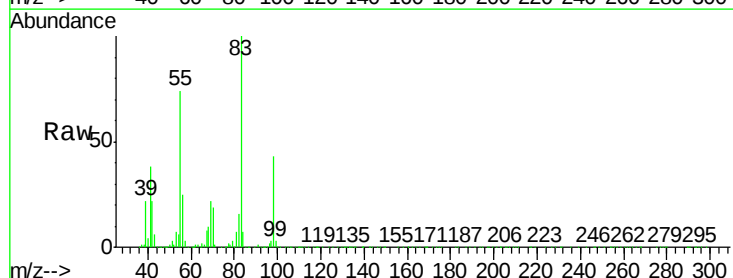
Tgt Ion: 83 Resp: 366858

Ion Ratio Lower Upper

83 100

55 76.4 66.1 99.1

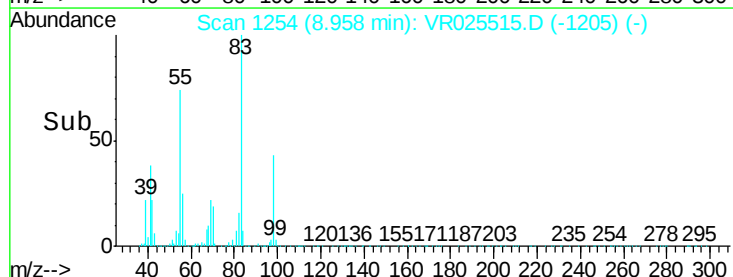
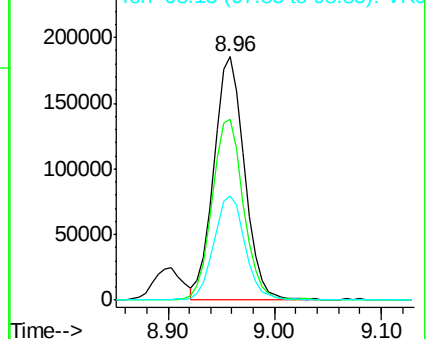
98 44.1 36.2 54.4

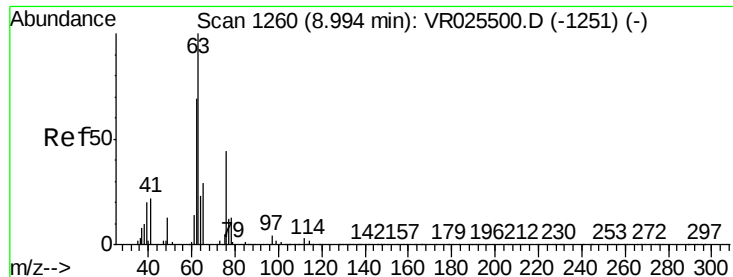


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

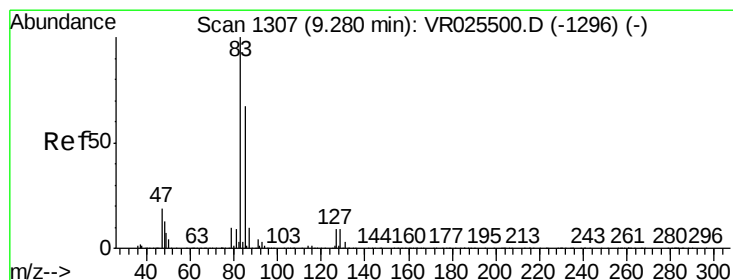
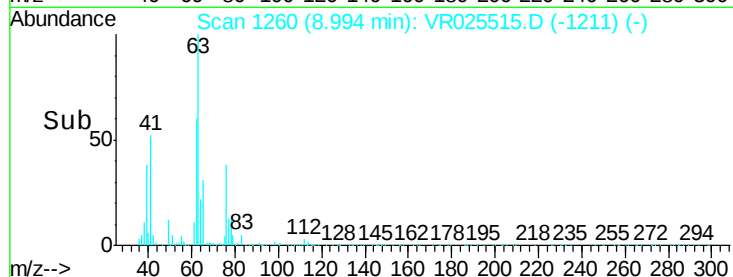
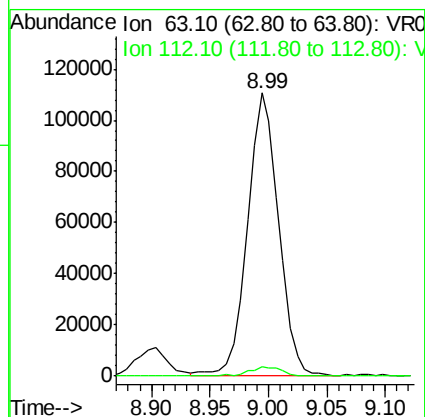
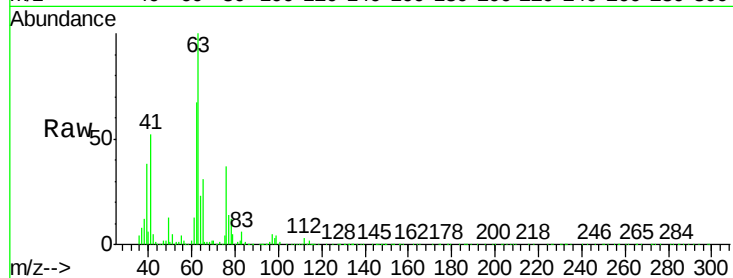




#37
 1,2-Dichloropropane
 Concen: 4.953 ug/L
 RT: 8.99 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VR025515.D
 Acq: 18 Jul 2018 20:30

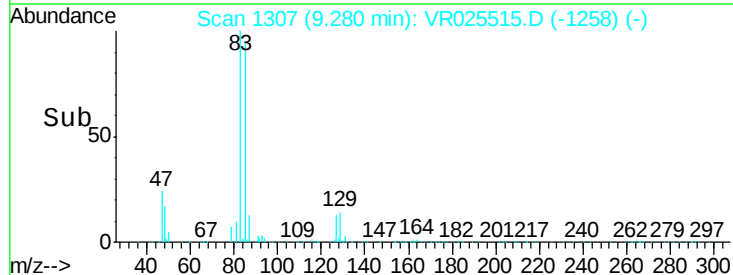
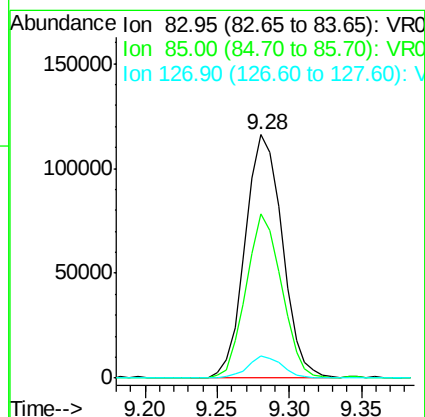
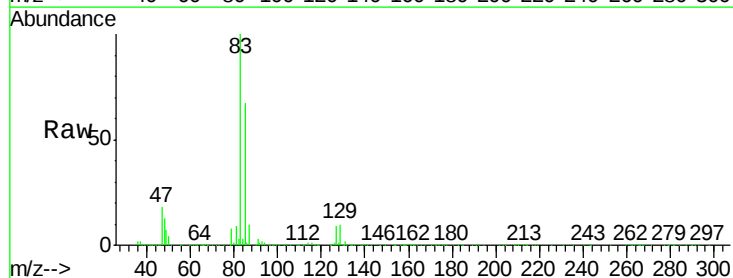
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

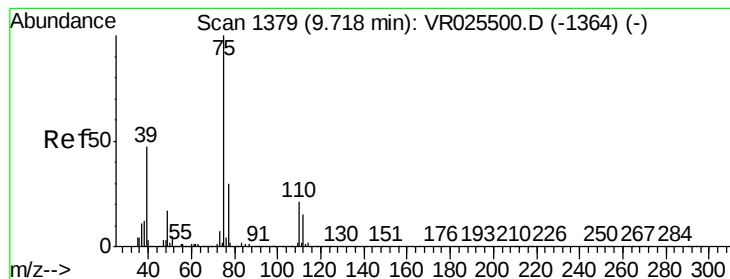
Tgt Ion: 63 Resp: 203832
 Ion Ratio Lower Upper
 63 100
 112 3.7 2.9 4.3



#38
 Bromodichloromethane
 Concen: 4.934 ug/L
 RT: 9.28 min Scan# 1307
 Delta R.T. -0.00 min
 Lab File: VR025515.D
 Acq: 18 Jul 2018 20:30

Tgt Ion: 83 Resp: 206942
 Ion Ratio Lower Upper
 83 100
 85 67.2 46.1 85.7
 127 9.0 5.7 8.5#





#39

cis-1,3-Dichloropropene

Concen: 5.070 ug/L

RT: 9.72 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VR025515.D

Acq: 18 Jul 2018 20:30

Instrument :

MSVOA_R

ClientSampleId :

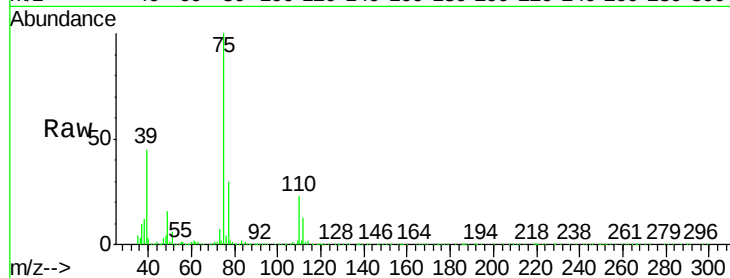
VSTD00597

Tgt Ion: 75 Resp: 234629

Ion Ratio Lower Upper

75 100

77 29.7 21.1 39.1



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

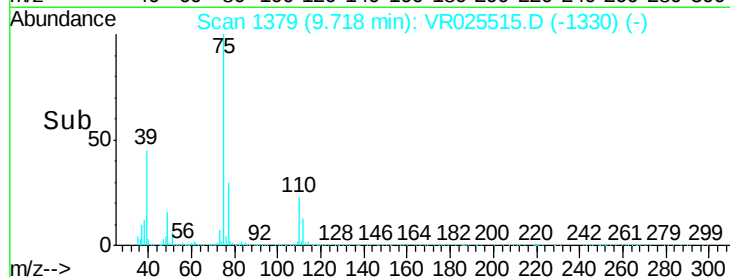
150000

100000

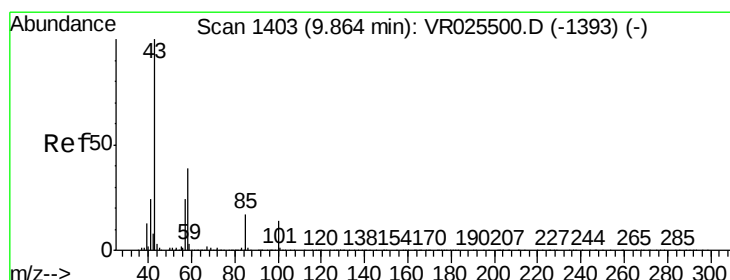
50000

0

9.60 9.70 9.80



Time-->



#40

4-Methyl-2-pentanone

Concen: 52.543 ug/L

RT: 9.86 min Scan# 1403

Delta R.T. -0.00 min

Lab File: VR025515.D

Acq: 18 Jul 2018 20:30

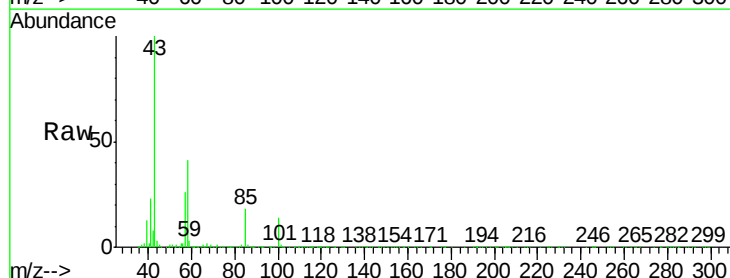
Tgt Ion: 43 Resp: 626625

Ion Ratio Lower Upper

43 100

58 41.1 30.3 45.5

100 14.5 10.3 15.5



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0

500000

400000

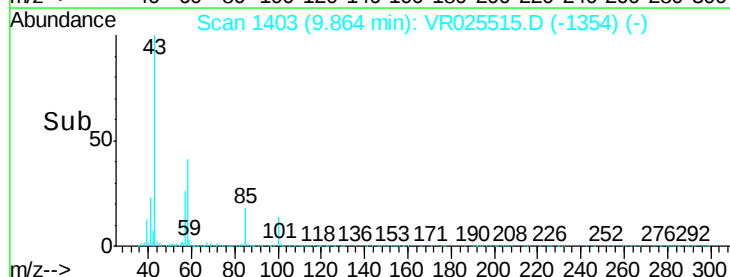
300000

200000

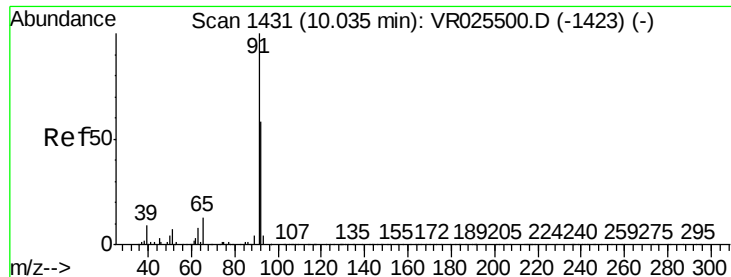
100000

0

9.80 9.90



Time-->



#42

Toluene

Concen: 5.431 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VR025515.D

Acq: 18 Jul 2018 20:30

Instrument :

MSVOA_R

ClientSampleId :

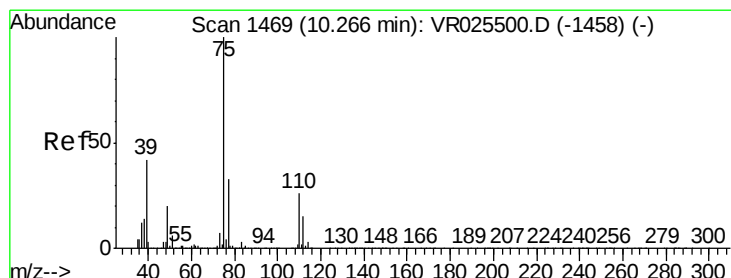
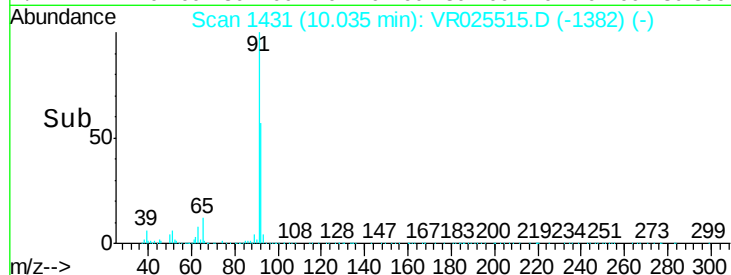
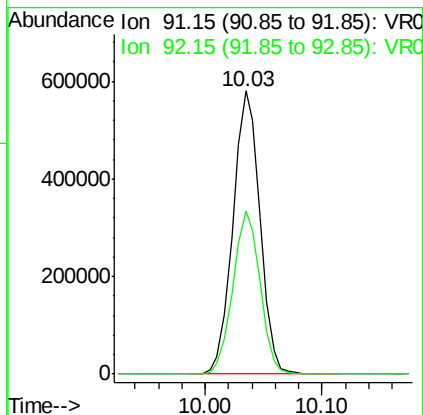
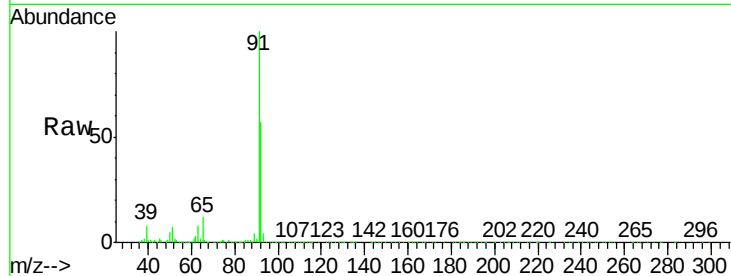
VSTD00597

Tgt Ion: 91 Resp: 935088

Ion Ratio Lower Upper

91 100

92 57.5 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 4.810 ug/L

RT: 10.27 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VR025515.D

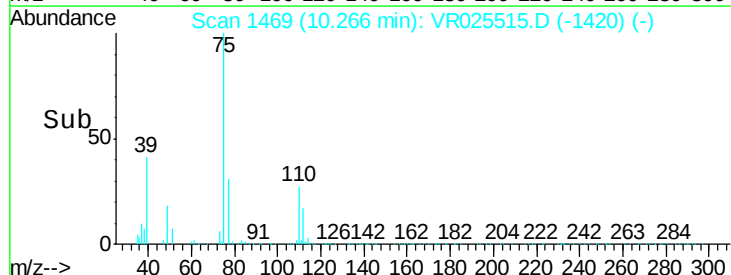
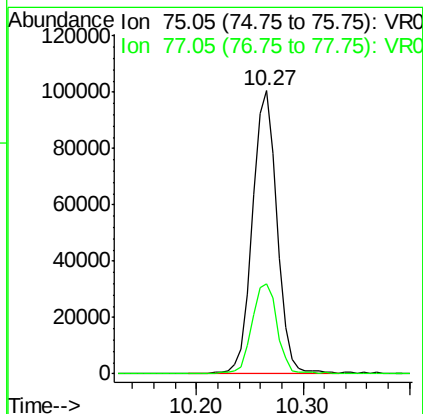
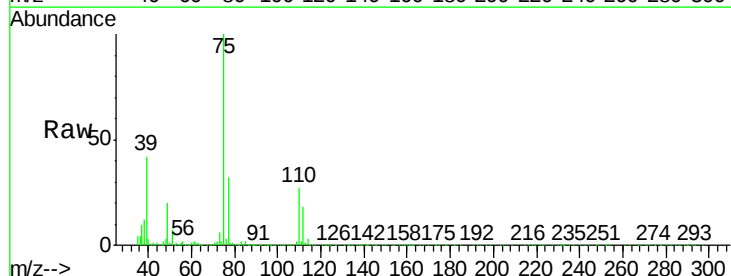
Acq: 18 Jul 2018 20:30

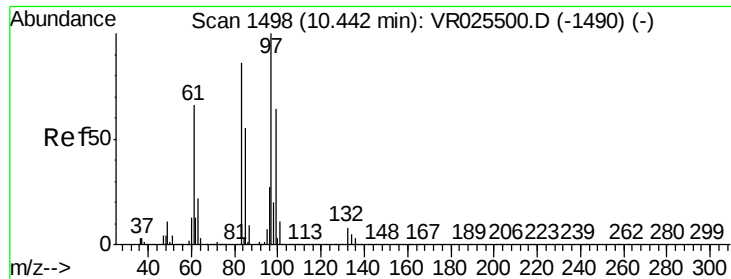
Tgt Ion: 75 Resp: 163438

Ion Ratio Lower Upper

75 100

77 31.6 20.6 38.4





#45

1,1,2-Trichloroethane

Concen: 4.982 ug/L

RT: 10.44 min Scan# 1498

Delta R.T. -0.00 min

Lab File: VR025515.D

Acq: 18 Jul 2018 20:30

Instrument :

MSVOA_R

ClientSampleId :

VSTD00597

Tgt Ion: 97 Resp: 100459

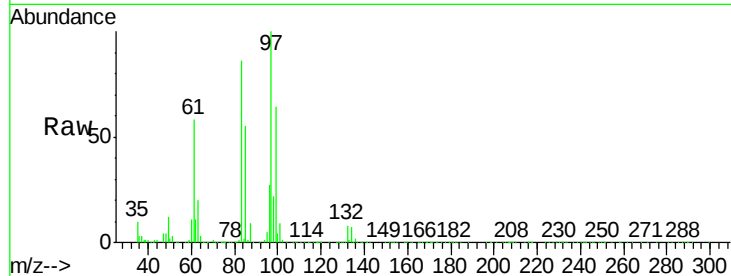
Ion Ratio Lower Upper

97 100

99 63.8 41.9 77.9

83 86.1 64.5 119.9

85 55.3 38.6 71.8

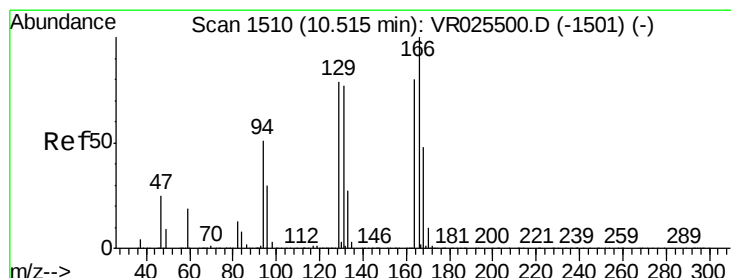
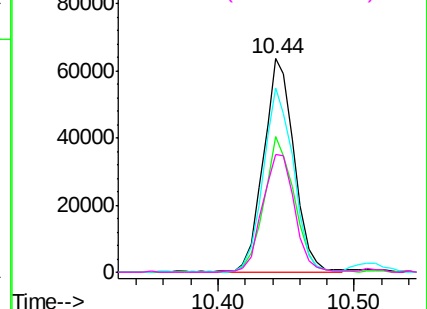
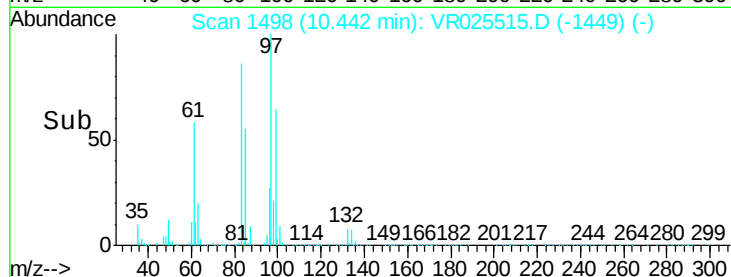


Abundance Ion 96.95 (96.65 to 97.65): VR0

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: 5.106 ug/L

RT: 10.52 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VR025515.D

Acq: 18 Jul 2018 20:30

Tgt Ion: 164 Resp: 150272

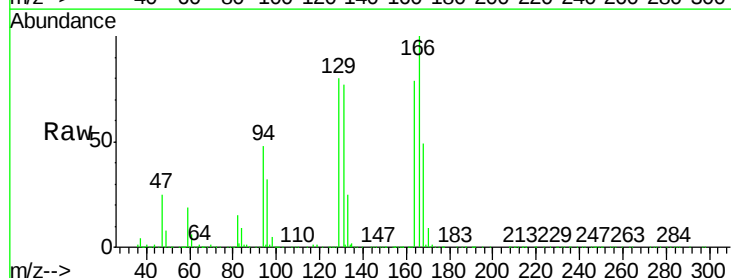
Ion Ratio Lower Upper

164 100

129 101.8 68.1 126.5

131 97.3 68.5 127.1

166 127.0 89.9 166.9

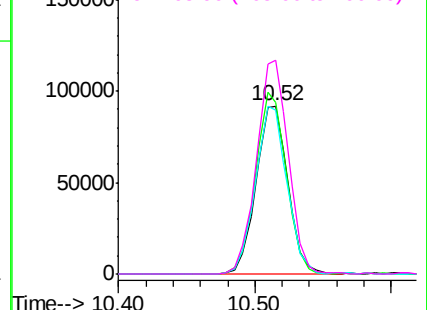
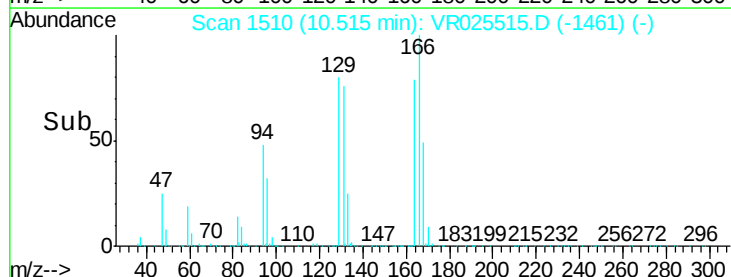


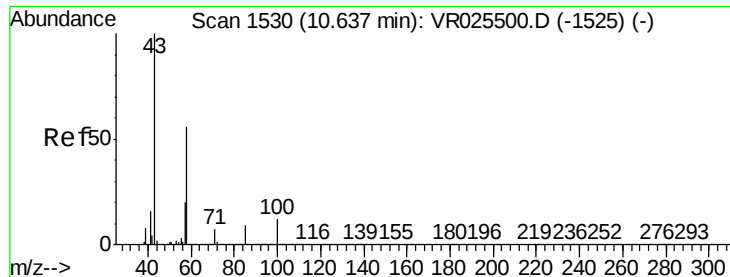
Abundance Ion 163.90 (163.60 to 164.60): V

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

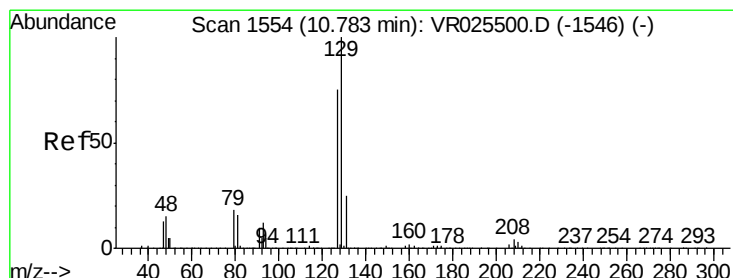
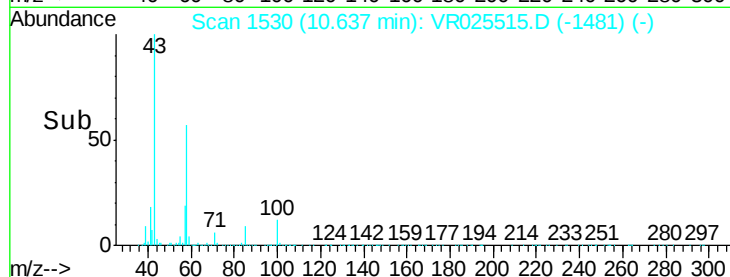
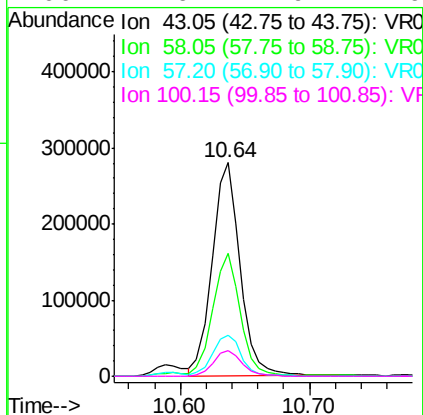
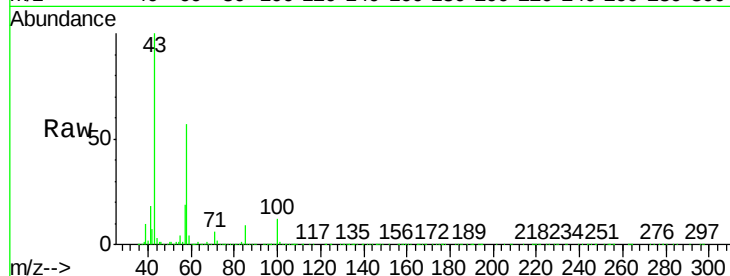




#48
2-Hexanone
Concen: 51.998 ug/L
RT: 10.64 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VR025515.D
Acq: 18 Jul 2018 20:30

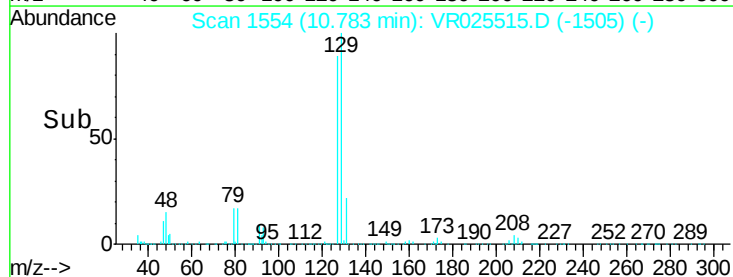
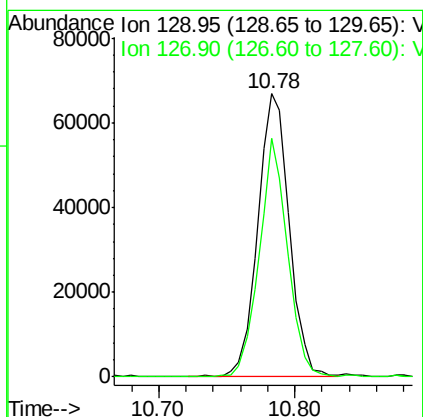
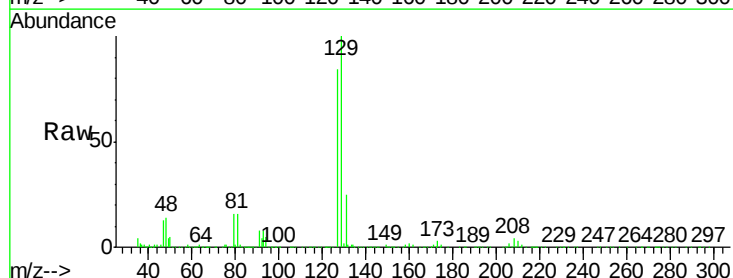
Instrument :
MSVOA_R
ClientSampleId :
VSTD00597

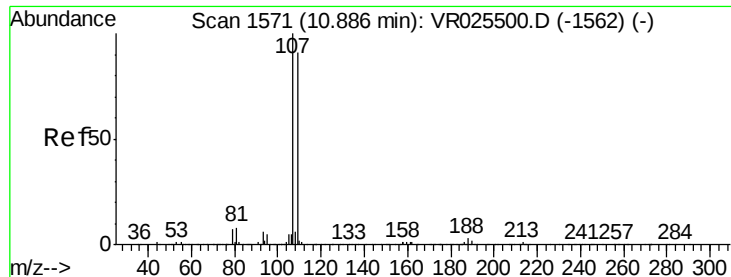
Tgt Ion:	43	Resp:	426575
Ion	Ratio	Lower	Upper
43	100		
58	58.2	43.1	64.7
57	19.9	15.3	22.9
100	12.6	7.9	11.9#



#49
Dibromochloromethane
Concen: 5.144 ug/L
RT: 10.78 min Scan# 1554
Delta R.T. -0.00 min
Lab File: VR025515.D
Acq: 18 Jul 2018 20:30

Tgt Ion:	129	Resp:	108147
Ion	Ratio	Lower	Upper
129	100		
127	84.4	55.9	103.7

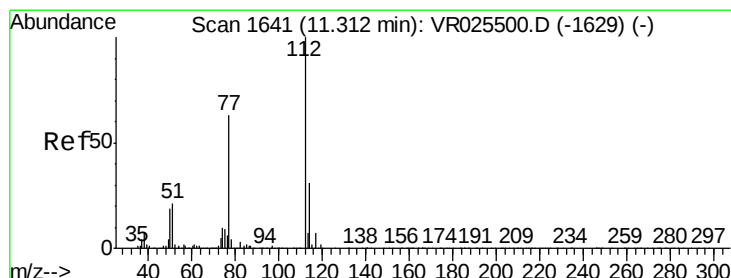
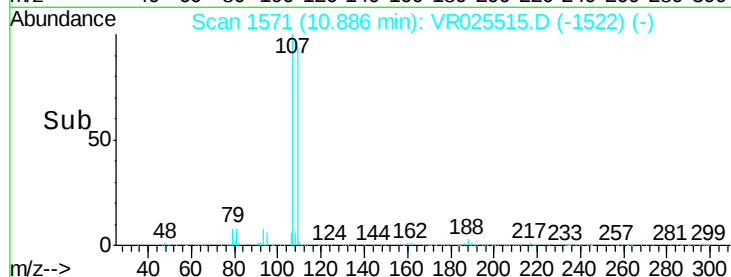
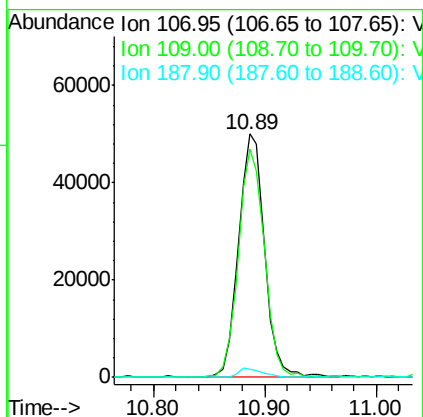
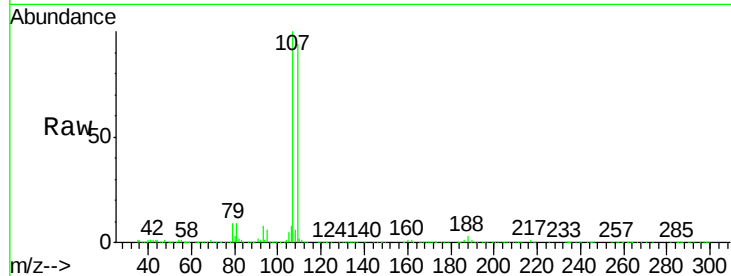




#50
1,2-Dibromoethane
Concen: 4.952 ug/L
RT: 10.89 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VR025515.D
Acq: 18 Jul 2018 20:30

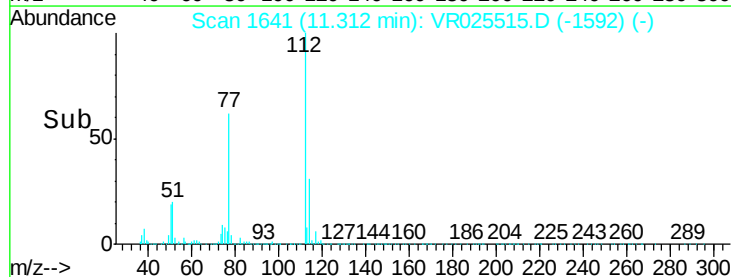
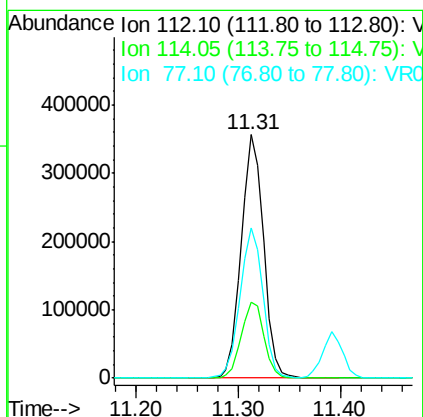
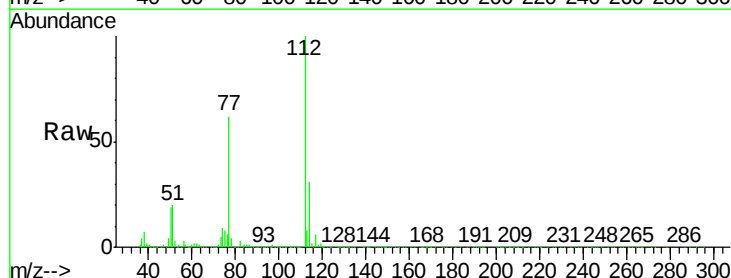
Instrument :
MSVOA_R
ClientSampleId :
VSTD00597

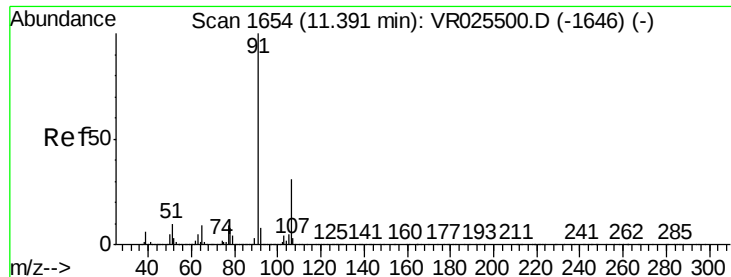
Tgt Ion:107 Resp: 80888
Ion Ratio Lower Upper
107 100
109 93.9 63.1 117.3
188 3.2 1.8 2.8#



#51
Chlorobenzene
Concen: 5.138 ug/L
RT: 11.31 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VR025515.D
Acq: 18 Jul 2018 20:30

Tgt Ion:112 Resp: 538587
Ion Ratio Lower Upper
112 100
114 31.1 21.6 40.0
77 61.6 51.9 77.9





#52

Ethylbenzene

Concen: 5.502 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VR025515.D

Acq: 18 Jul 2018 20:30

Instrument :

MSVOA_R

ClientSampleId :

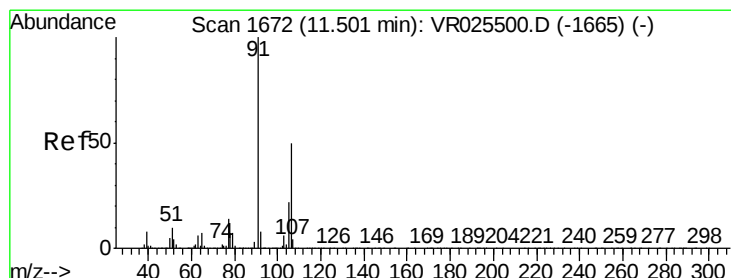
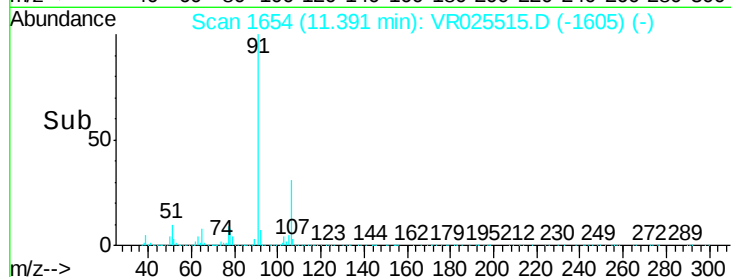
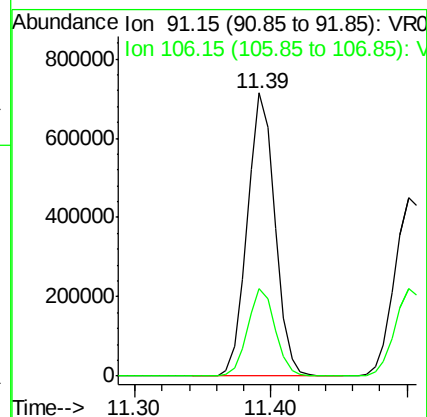
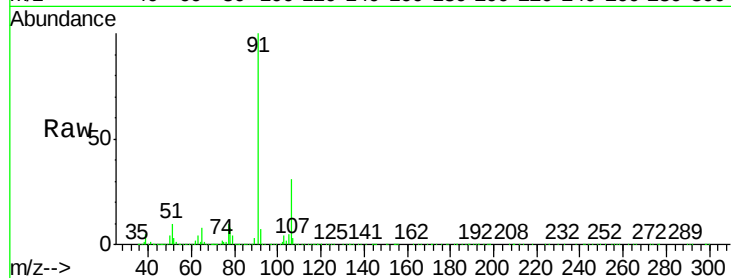
VSTD00597

Tgt Ion: 91 Resp: 1015667

Ion Ratio Lower Upper

91 100

106 30.9 22.5 41.7



#53

m,p-Xylene

Concen: 5.459 ug/L

RT: 11.50 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VR025515.D

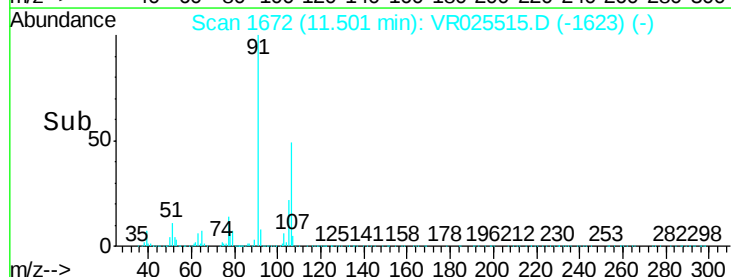
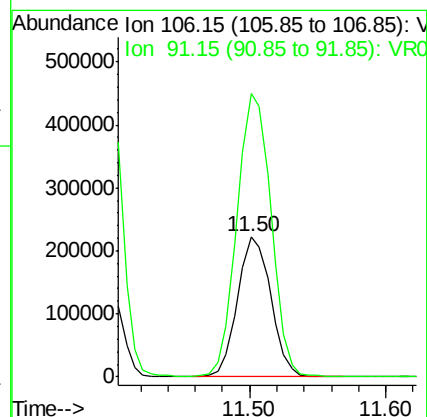
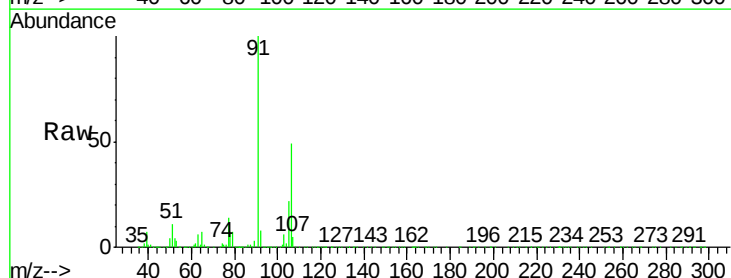
Acq: 18 Jul 2018 20:30

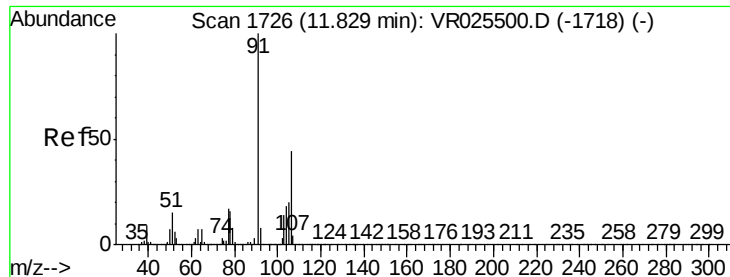
Tgt Ion: 106 Resp: 378136

Ion Ratio Lower Upper

106 100

91 202.1 152.6 283.4

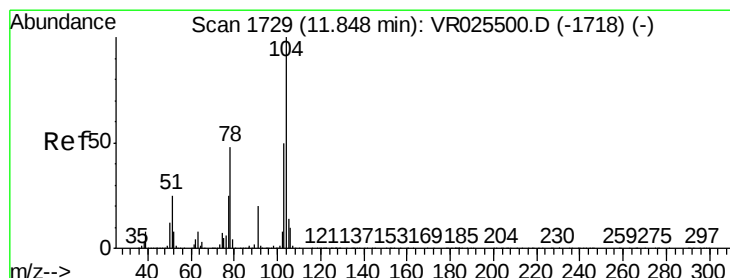
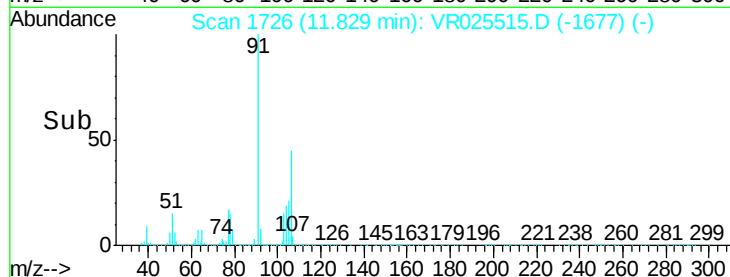
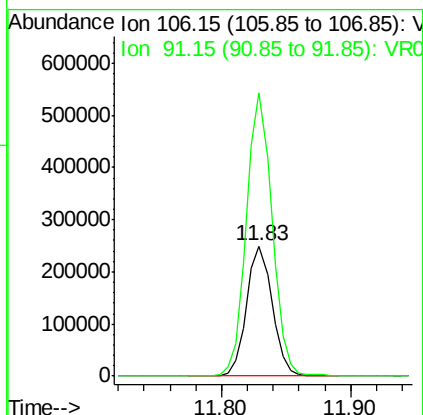
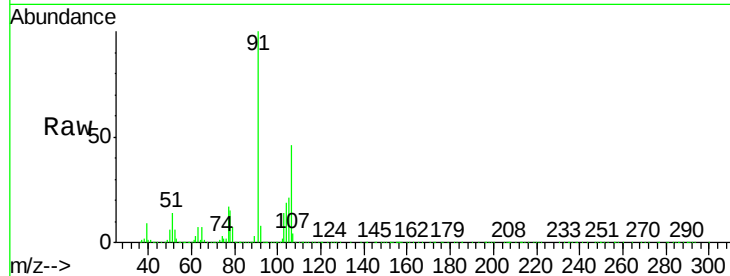




#54
o-Xylene
Concen: 5.752 ug/L
RT: 11.83 min Scan# 1726
Delta R.T. -0.00 min
Lab File: VR025515.D
Acq: 18 Jul 2018 20:30

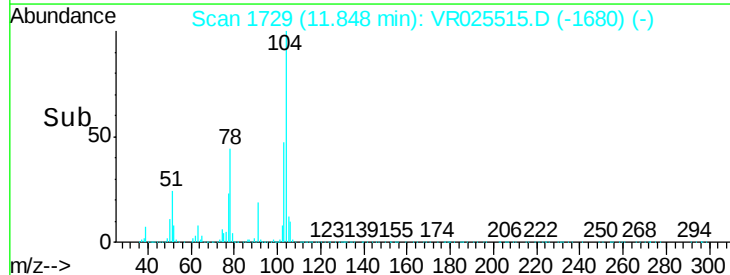
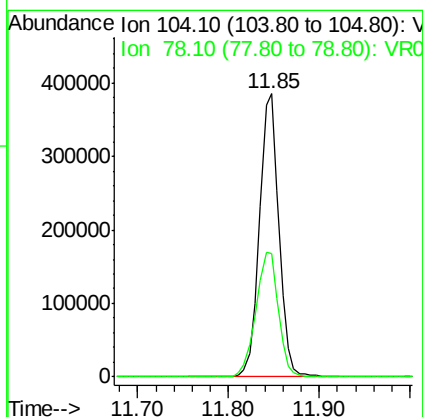
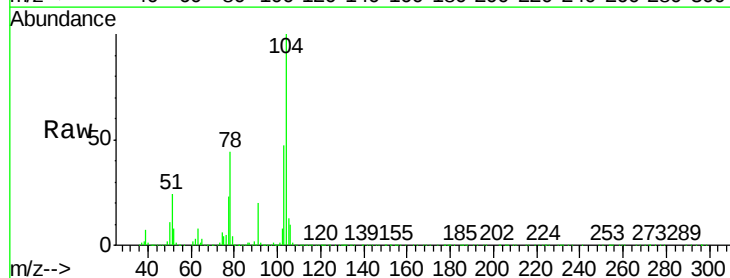
Instrument :
MSVOA_R
ClientSampleId :
VSTD00597

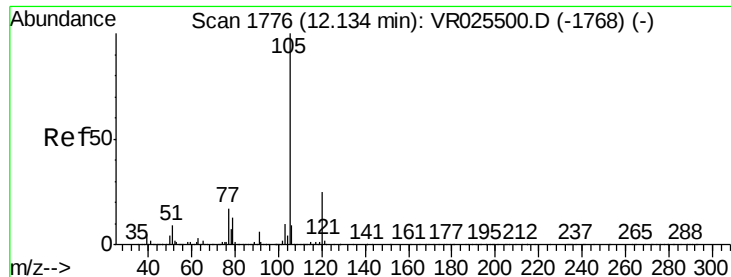
Tgt Ion:106 Resp: 343264
Ion Ratio Lower Upper
106 100
91 218.0 153.7 285.5



#55
Styrene
Concen: 5.809 ug/L
RT: 11.85 min Scan# 1729
Delta R.T. -0.00 min
Lab File: VR025515.D
Acq: 18 Jul 2018 20:30

Tgt Ion:104 Resp: 570319
Ion Ratio Lower Upper
104 100
78 43.6 35.4 65.7





#56

Isopropylbenzene

Concen: 5.893 ug/L

RT: 12.13 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VR025515.D

Acq: 18 Jul 2018 20:30

Instrument :

MSVOA_R

ClientSampleId :

VSTD00597

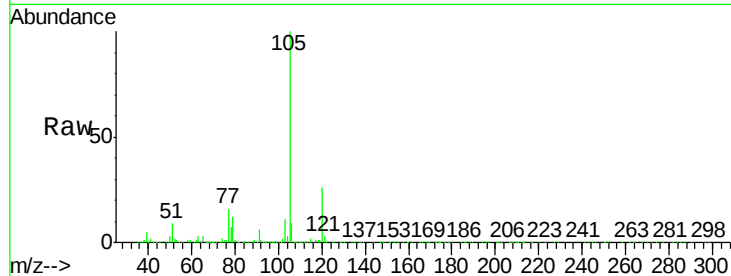
Tgt Ion: 105 Resp: 931219

Ion Ratio Lower Upper

105 100

120 26.3 20.2 30.4

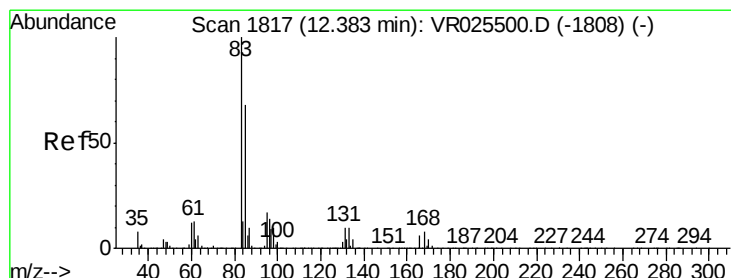
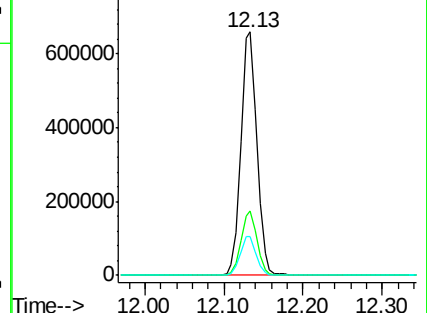
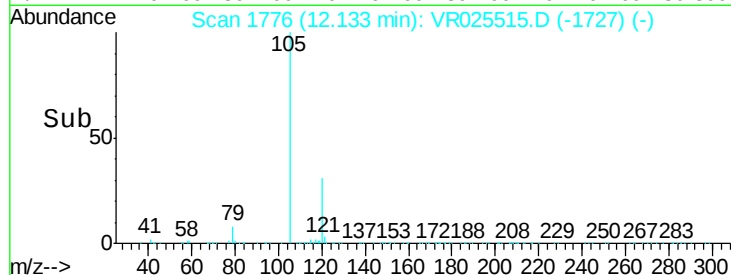
77 15.9 13.0 19.6



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: 5.041 ug/L

RT: 12.38 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VR025515.D

Acq: 18 Jul 2018 20:30

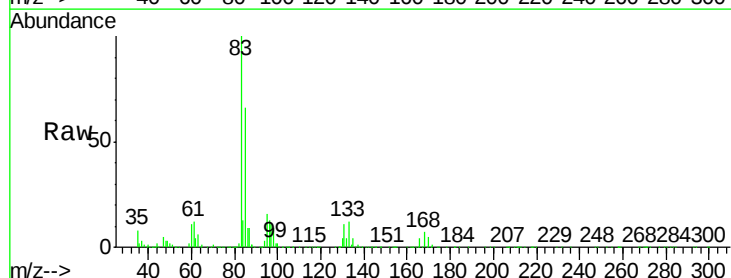
Tgt Ion: 83 Resp: 100113

Ion Ratio Lower Upper

83 100

85 66.2 41.8 77.6

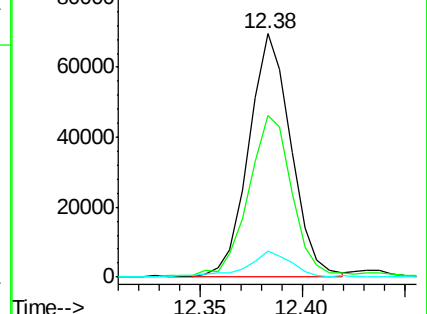
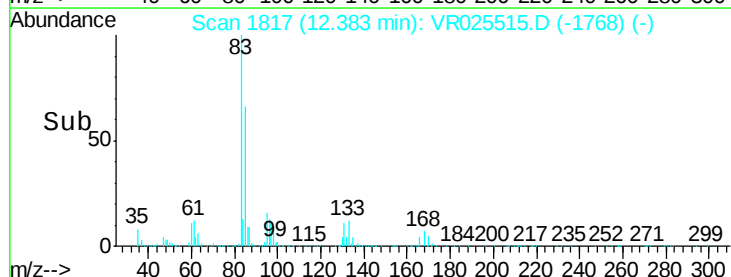
131 10.6 6.1 9.1#

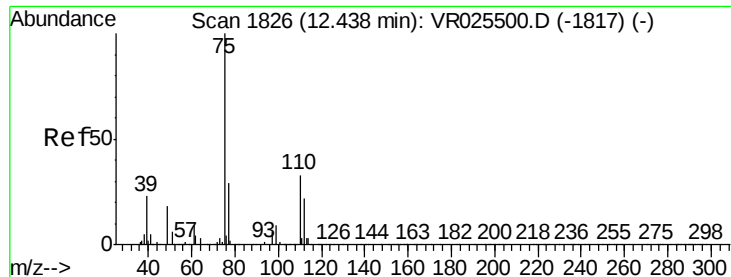


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

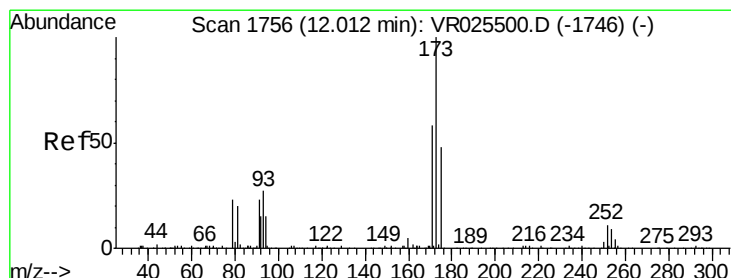
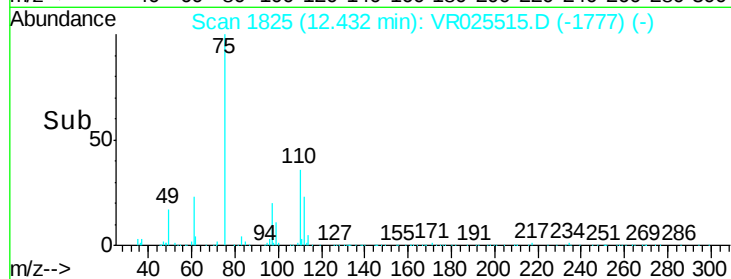
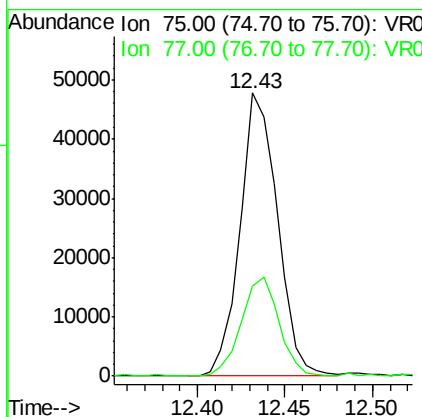
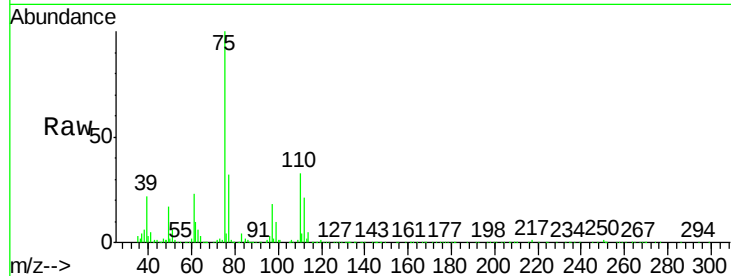




#59
 1,2,3-Trichloropropane
 Concen: 4.976 ug/L
 RT: 12.43 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: VR025515.D
 Acq: 18 Jul 2018 20:30

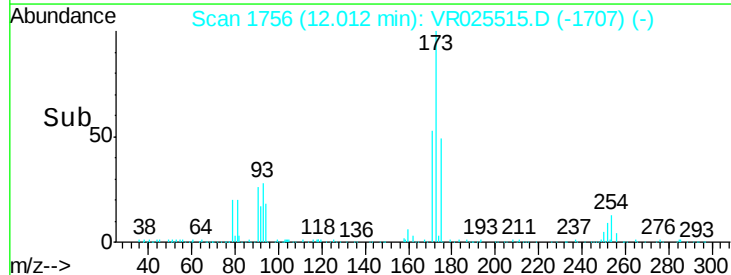
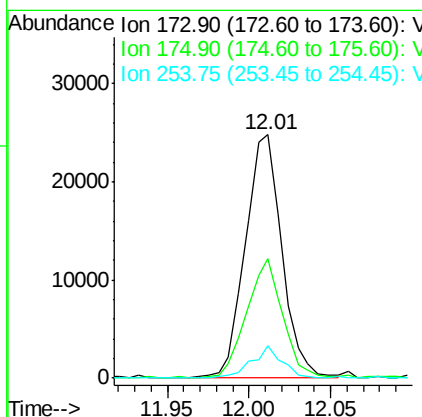
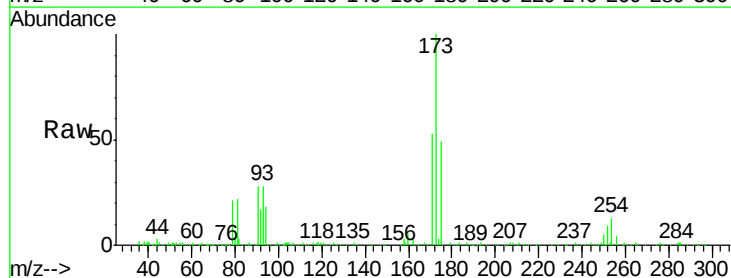
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00597

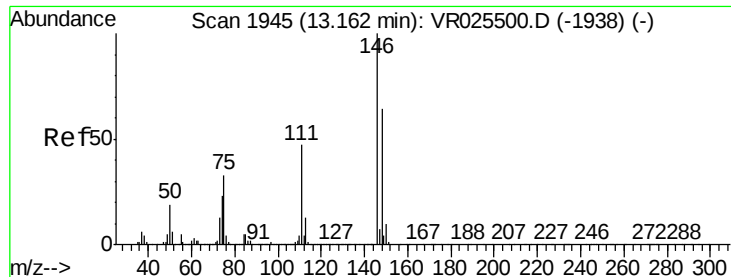
Tgt Ion: 75 Resp: 71138
 Ion Ratio Lower Upper
 75 100
 77 34.8 27.0 40.4



#61
 Bromoform
 Concen: 4.507 ug/L
 RT: 12.01 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VR025515.D
 Acq: 18 Jul 2018 20:30

Tgt Ion: 173 Resp: 38836
 Ion Ratio Lower Upper
 173 100
 175 47.8 37.5 56.3
 254 11.1 8.7 13.1





#62

1,3-Dichlorobenzene

Concen: 5.132 ug/L

RT: 13.16 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VR025515.D

Acq: 18 Jul 2018 20:30

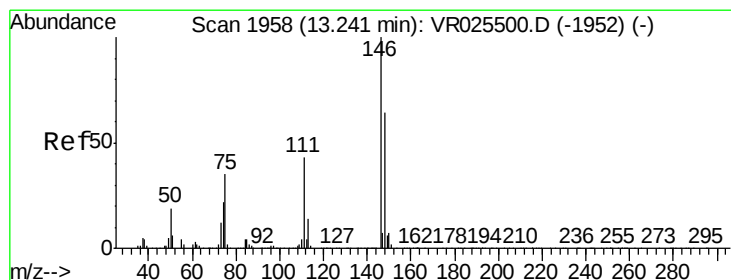
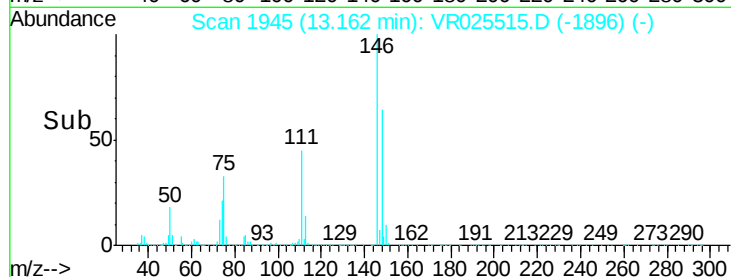
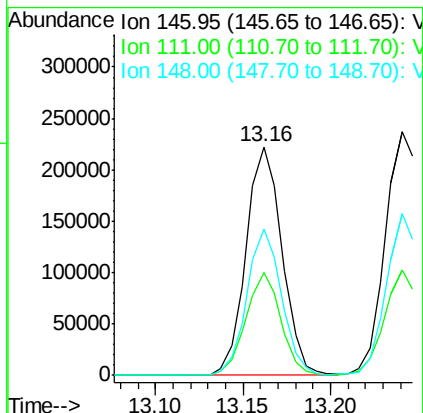
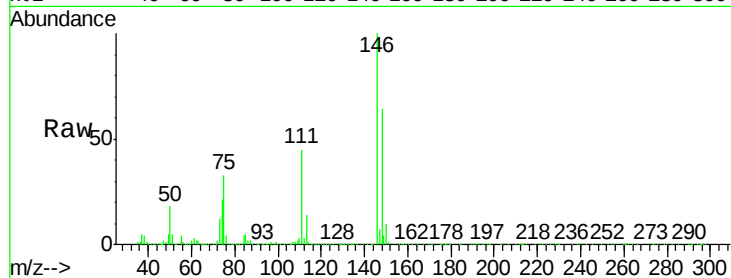
Instrument :

MSVOA_R

ClientSampleId :

VSTD00597

Tgt Ion:	146	Resp:	318157
Ion	Ratio	Lower	Upper
146	100		
111	45.1	31.0	57.6
148	63.8	44.8	83.2



#63

1,4-Dichlorobenzene

Concen: 5.015 ug/L

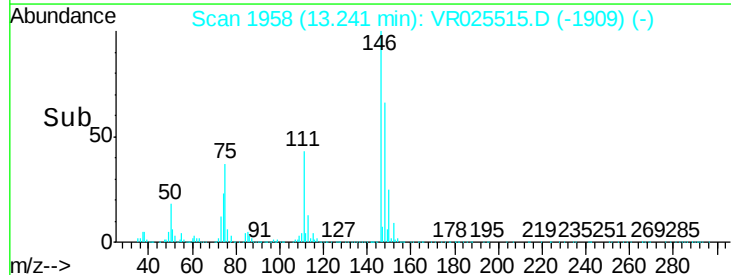
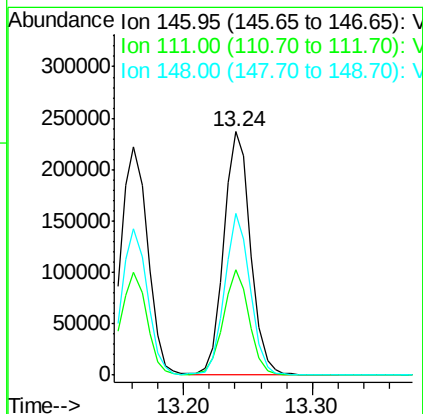
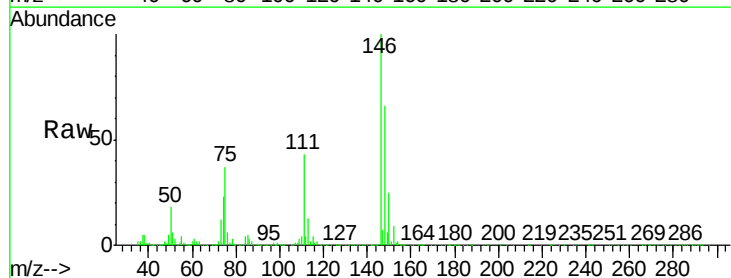
RT: 13.24 min Scan# 1958

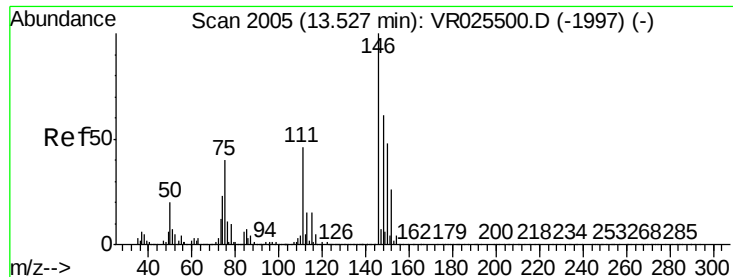
Delta R.T. -0.00 min

Lab File: VR025515.D

Acq: 18 Jul 2018 20:30

Tgt Ion:	146	Resp:	345122
Ion	Ratio	Lower	Upper
146	100		
111	43.5	30.5	56.7
148	66.3	42.8	79.4

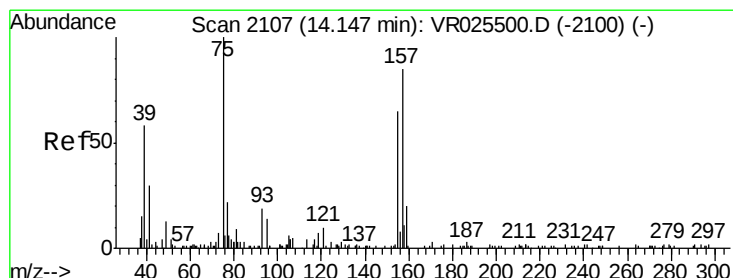
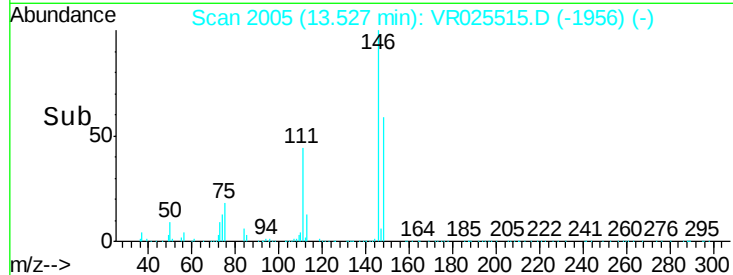
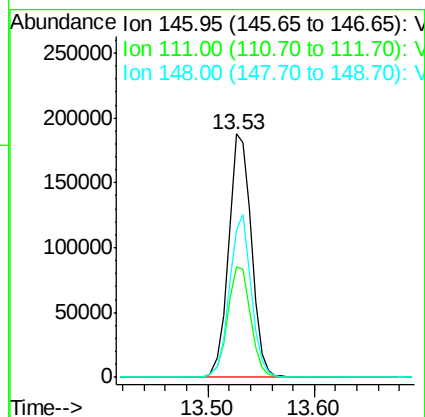
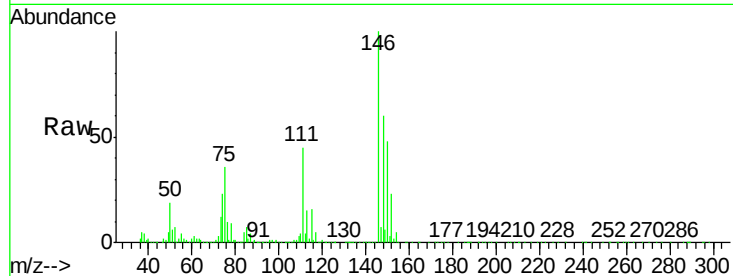




#65
 1,2-Dichlorobenzene
 Concen: 5.220 ug/L
 RT: 13.53 min Scan# 2005
 Delta R.T. -0.00 min
 Lab File: VR025515.D
 Acq: 18 Jul 2018 20:30

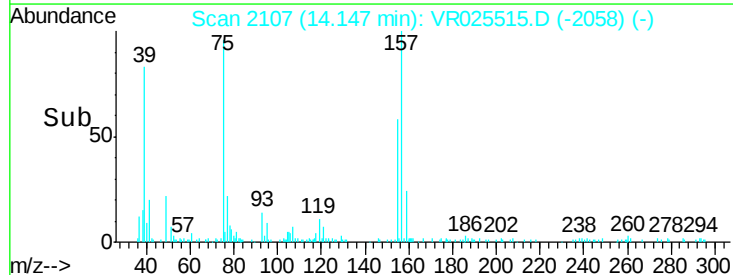
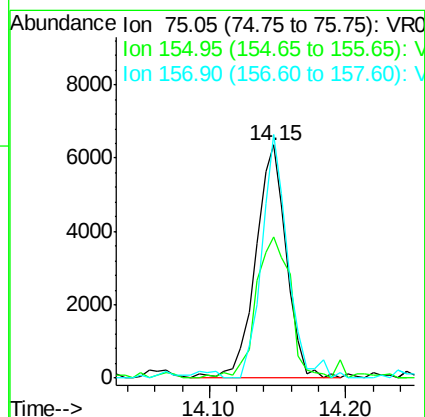
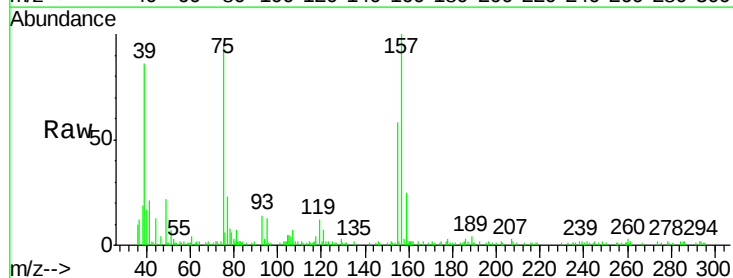
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

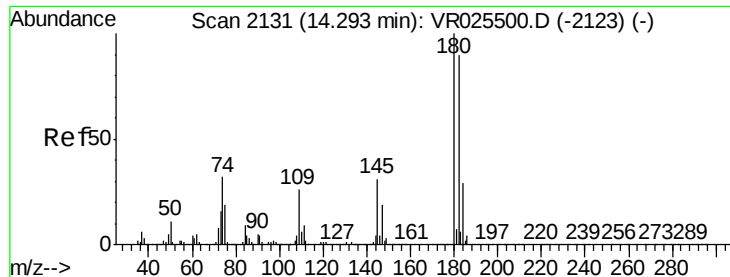
Tgt Ion: 146 Resp: 281181
 Ion Ratio Lower Upper
 146 100
 111 45.3 35.8 53.8
 148 60.4 50.4 75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.219 ug/L
 RT: 14.15 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VR025515.D
 Acq: 18 Jul 2018 20:30

Tgt Ion: 75 Resp: 10055
 Ion Ratio Lower Upper
 75 100
 155 60.6 74.1 111.1#
 157 104.4 71.0 106.6

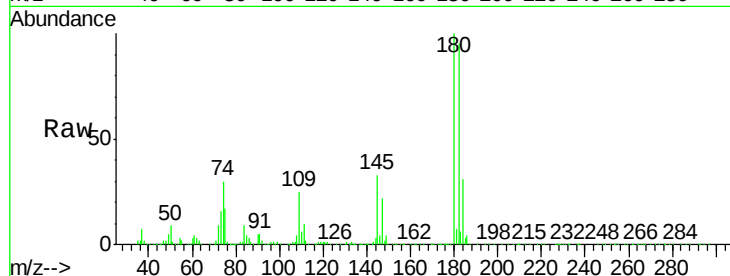




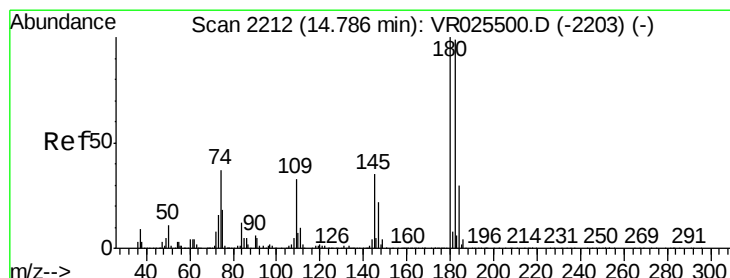
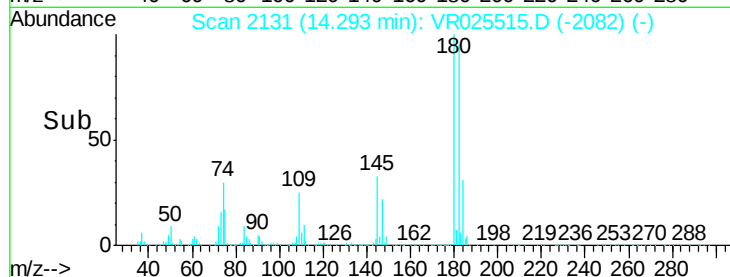
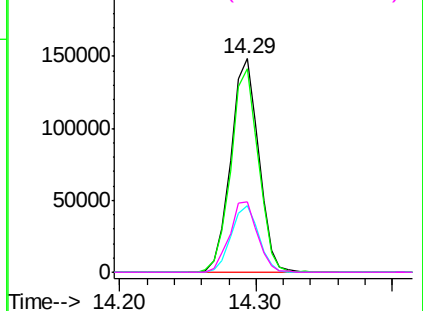
#67
 1,3,5-Trichlorobenzene
 Concen: 5.183 ug/L
 RT: 14.29 min Scan# 2131
 Delta R.T. -0.00 min
 Lab File: VR025515.D
 Acq: 18 Jul 2018 20:30

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

Tgt Ion:	180	Resp:	209836
Ion Ratio	Lower	Upper	
180	100		
182	94.4	76.0	114.0
184	30.8	24.5	36.7
145	33.0	25.2	37.8

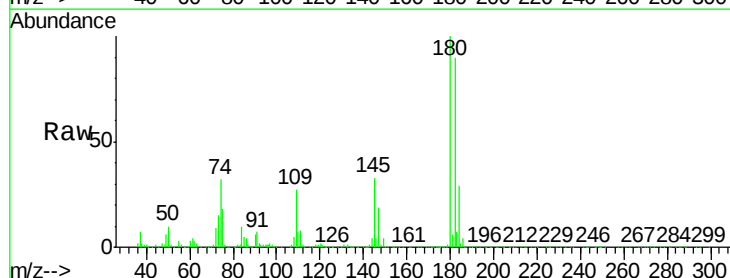


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

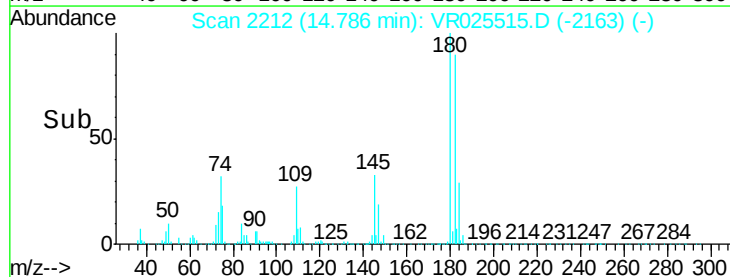
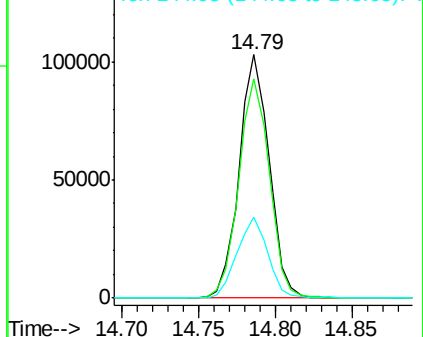


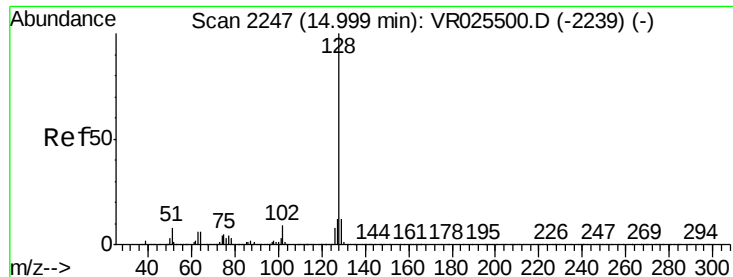
#68
 1,2,4-trichlorobenzene
 Concen: 5.040 ug/L
 RT: 14.79 min Scan# 2212
 Delta R.T. -0.00 min
 Lab File: VR025515.D
 Acq: 18 Jul 2018 20:30

Tgt Ion:	180	Resp:	140274
Ion Ratio	Lower	Upper	
180	100		
182	92.0	75.0	112.4
145	34.0	27.3	40.9



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: 5.167 ug/L

RT: 15.00 min Scan# 2248

Delta R.T. 0.01 min

Lab File: VR025515.D

Acq: 18 Jul 2018 20:30

Instrument :

MSVOA_R

ClientSampleId :

VSTD00597

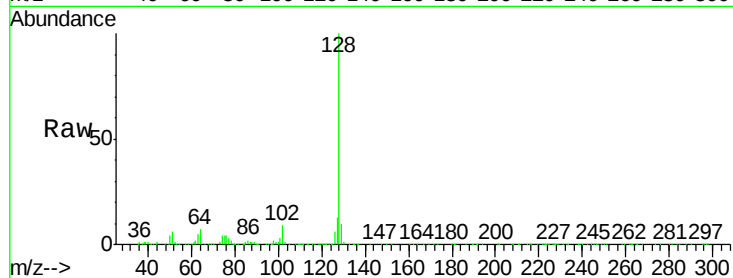
Tgt Ion:128 Resp: 184169

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

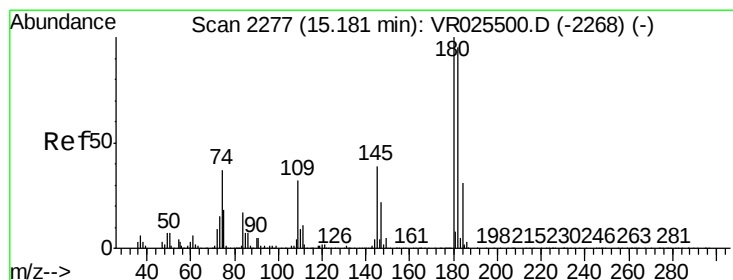
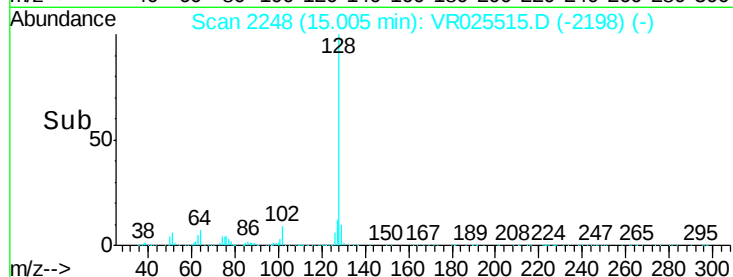
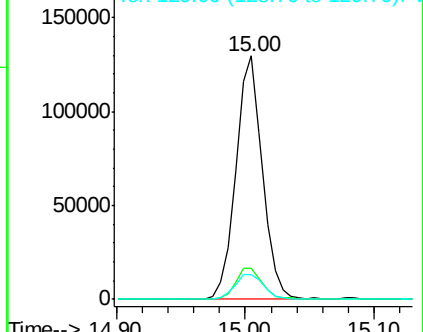
129 11.3 8.6 13.0



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: 5.499 ug/L

RT: 15.18 min Scan# 2277

Delta R.T. -0.00 min

Lab File: VR025515.D

Acq: 18 Jul 2018 20:30

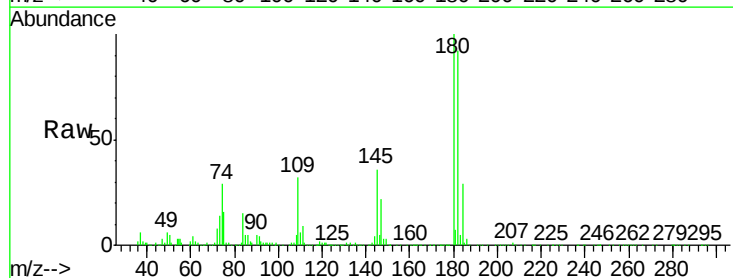
Tgt Ion:180 Resp: 118034

Ion Ratio Lower Upper

180 100

182 96.8 75.2 112.8

145 34.4 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

