

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR061618\
 Data File : VR025339.D
 Acq On : 16 Jun 2018 23:33
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00587

Quant Time: Jun 18 02:42:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR061518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 18 02:40:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	571030	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	492375	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	194523	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	110352	5.67	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	113.40%
7) Chloroethane-d5	2.64	69	77179	5.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.00%
11) 1,1-Dichloroethene-d2	3.64	63	284734	5.69	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	113.80%
20) 2-Butanone-d5	6.59	46	269328	51.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.32%
24) Chloroform-d	7.20	84	366321	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
26) 1,2-Dichloroethane-d4	7.90	65	148358	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.60%
32) Benzene-d6	7.85	84	840981	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
36) 1,2-Dichloropropane-d6	8.90	67	241681	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.00%
41) Toluene-d8	9.97	98	770863	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
43) trans-1,3-Dichloropropene-	10.24	79	53029	4.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.00%
46) 2-Hexanone-d5	10.59	63	231887	52.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.86%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	105056	5.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.80%
64) 1,2-Dichlorobenzene-d4	13.51	152	160685	4.87	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	184612	5.002 ug/L	100
3) Chloromethane	2.01	50	133037	4.979 ug/L	99
5) Vinyl chloride	2.16	62	125990	5.328 ug/L	96
6) Bromomethane	2.53	94	60024	5.208 ug/L	98
8) Chloroethane	2.67	64	66191	5.362 ug/L	87
9) Trichlorofluoromethane	2.93	101	72383	2.096 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	118985	5.873 ug/L	99
12) 1,1-Dichloroethene	3.66	96	115602	5.759 ug/L	79
13) Acetone	3.70	43	127311	54.070 ug/L	97
14) Carbon disulfide	3.96	76	218027	5.163 ug/L	98
15) Methyl Acetate	4.20	43	30081	5.081 ug/L	95
16) Methylene chloride	4.40	84	78789	4.314 ug/L	92
17) Methyl tert-butyl Ether	4.90	73	275160	4.599 ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	214161	5.190 ug/L	95
19) 1,1-Dichloroethane	5.69	63	395752	5.105 ug/L	95
21) 2-Butanone	6.69	43	306594	55.091 ug/L	97
22) cis-1,2-Dichloroethene	6.67	96	227353	5.280 ug/L	97

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 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 18 Sample Multiplier: 1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

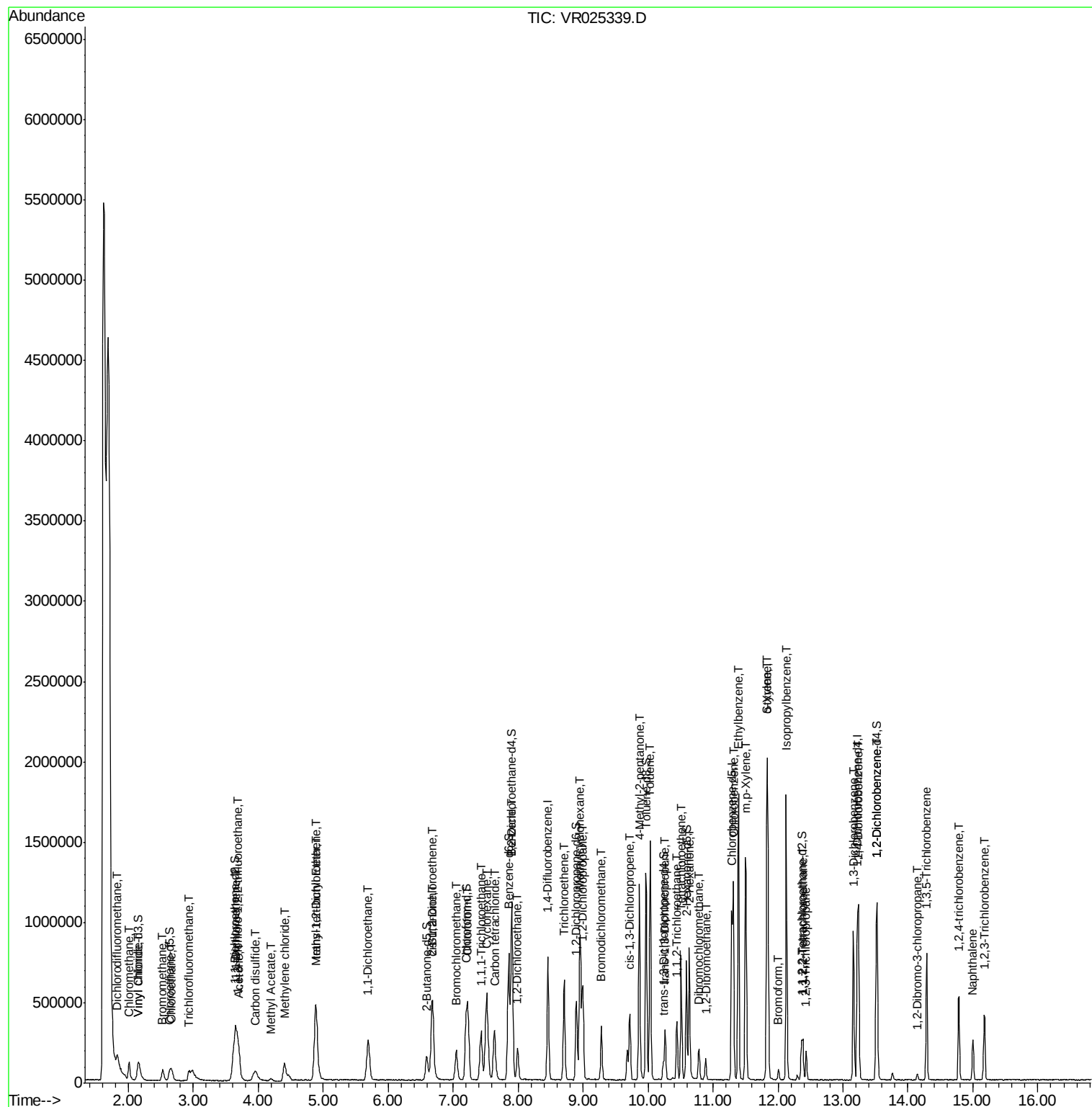
23) Bromochloromethane	7.05	128	64091	5.083	ug/L	88
25) Chloroform	7.23	83	372421	5.255	ug/L	98
27) 1,2-Dichloroethane	7.99	62	166749	5.155	ug/L #	93
29) 1,1,1-Trichloroethane	7.43	97	260093	4.447	ug/L	96
30) Cyclohexane	7.52	56	353271	4.732	ug/L	99
31) Carbon tetrachloride	7.63	117	234662	4.570	ug/L	99
33) Benzene	7.91	78	984529	5.093	ug/L	100
34) Trichloroethene	8.71	95	224945	4.809	ug/L	98
35) Methylcyclohexane	8.95	83	365008	4.946	ug/L	98
37) 1,2-Dichloropropane	8.99	63	224738	5.229	ug/L	99
38) Bromodichloromethane	9.28	83	200868	4.820	ug/L	98
39) cis-1,3-Dichloropropene	9.72	75	222721	4.400	ug/L	95
40) 4-Methyl-2-pentanone	9.86	43	767806	55.211	ug/L	98
42) Toluene	10.03	91	1009729	4.874	ug/L	97
44) trans-1,3-Dichloropropene	10.26	75	150116	4.312	ug/L	97
45) 1,1,2-Trichloroethane	10.44	97	103480	5.187	ug/L	96
47) Tetrachloroethene	10.51	164	145739	4.668	ug/L	92
48) 2-Hexanone	10.63	43	498802	56.267	ug/L	99
49) Dibromochloromethane	10.78	129	90280	4.700	ug/L	94
50) 1,2-Dibromoethane	10.89	107	82636	5.167	ug/L #	100
51) Chlorobenzene	11.31	112	561200	5.058	ug/L	98
52) Ethylbenzene	11.39	91	1094401	5.325	ug/L	98
53) m,p-Xylene	11.50	106	410360	5.230	ug/L	93
54) o-Xylene	11.83	106	376124	5.364	ug/L	100
55) Styrene	11.84	104	610248	5.662	ug/L	98
56) Isopropylbenzene	12.13	105	1026276	5.443	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.38	83	106084	5.742	ug/L	99
59) 1,2,3-Trichloropropane	12.43	75	69064	5.180	ug/L	97
61) Bromoform	12.01	173	25593	3.689	ug/L	99
62) 1,3-Dichlorobenzene	13.16	146	323948	4.745	ug/L	99
63) 1,4-Dichlorobenzene	13.24	146	341413	5.002	ug/L	95
65) 1,2-Dichlorobenzene	13.53	146	280510	5.127	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.14	75	8553	3.957	ug/L	91
67) 1,3,5-Trichlorobenzene	14.29	180	204874	4.532	ug/L	100
68) 1,2,4-trichlorobenzene	14.79	180	134236	4.265	ug/L	98
69) Naphthalene	15.00	128	179878	4.391	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	110258	4.527	ug/L	98

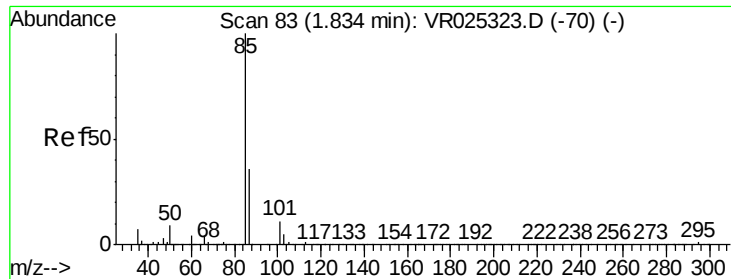
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Misc : 25mL/MSVOA_R/WATER
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Instrument :
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ClientSampleId :
VSTD00587

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#2

Dichlorodifluoromethane

Concen: 5.002 ug/L

RT: 1.83 min Scan# 83

Delta R.T. -0.00 min

Lab File: VR025339.D

Acq: 16 Jun 2018 23:33

Instrument :

MSVOA_R

ClientSampleId :

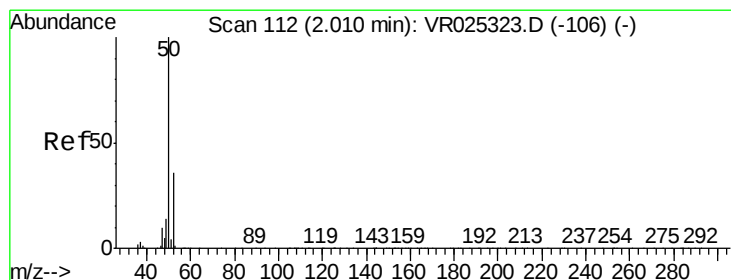
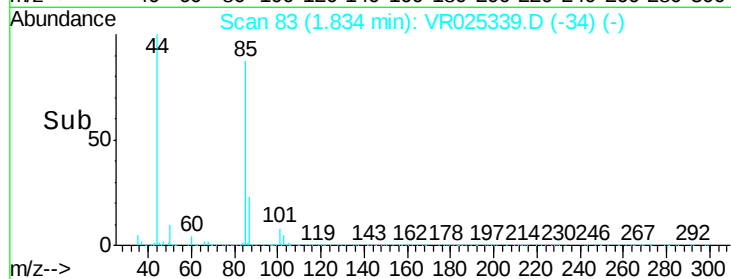
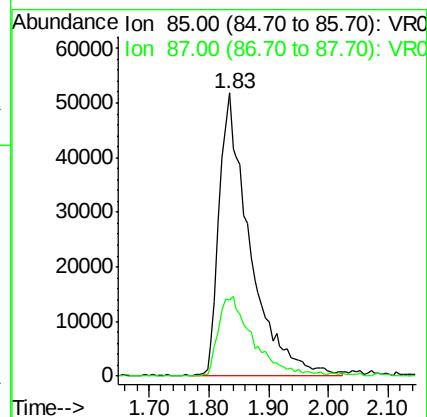
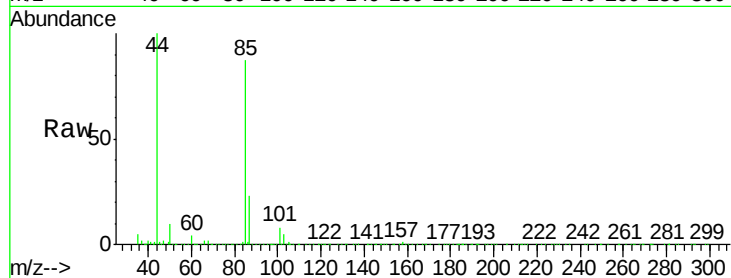
VSTD00587

Tgt Ion: 85 Resp: 184612

Ion Ratio Lower Upper

85 100

87 31.9 25.4 38.0



#3

Chloromethane

Concen: 4.979 ug/L

RT: 2.01 min Scan# 112

Delta R.T. -0.00 min

Lab File: VR025339.D

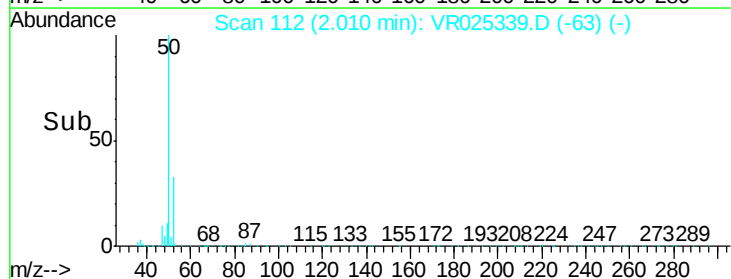
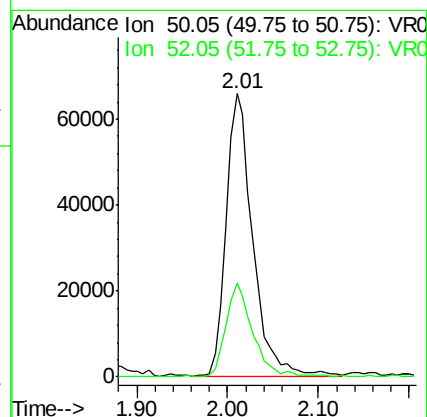
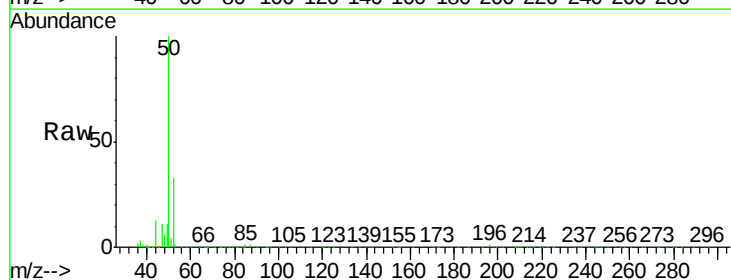
Acq: 16 Jun 2018 23:33

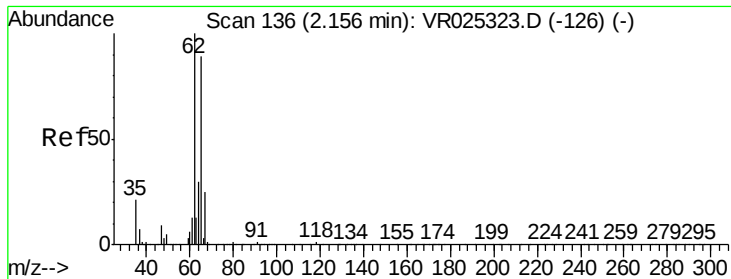
Tgt Ion: 50 Resp: 133037

Ion Ratio Lower Upper

50 100

52 33.4 22.8 42.4





#5

Vinyl chloride

Concen: 5.328 ug/L

RT: 2.16 min Scan# 136

Delta R.T. -0.00 min

Lab File: VR025339.D

Acq: 16 Jun 2018 23:33

Instrument :

MSVOA_R

ClientSampleId :

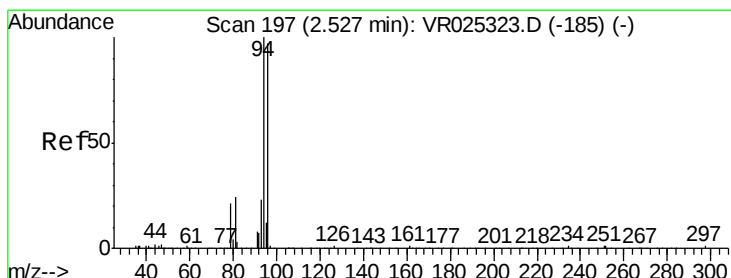
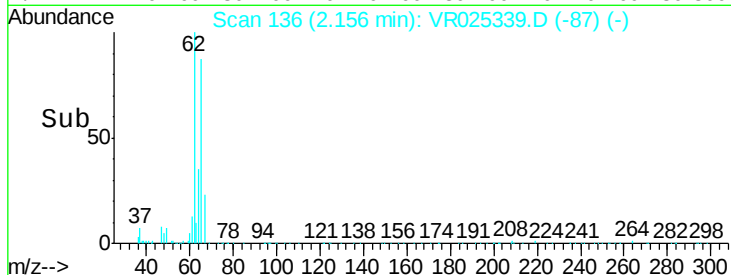
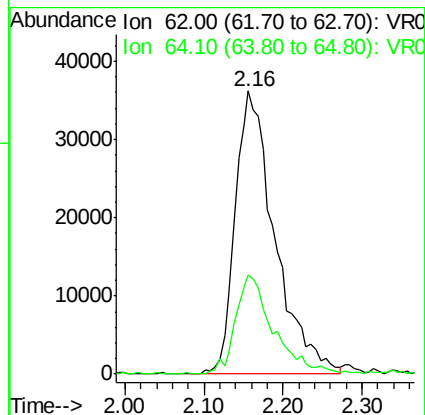
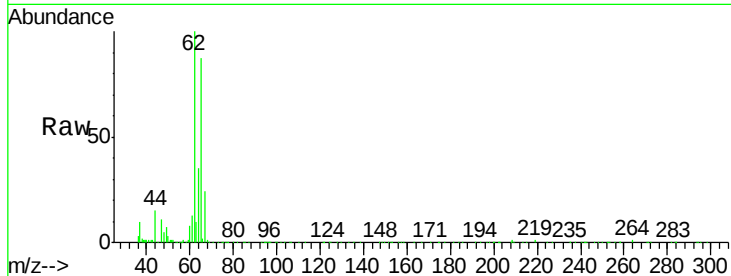
VSTD00587

Tgt Ion: 62 Resp: 125990

Ion Ratio Lower Upper

62 100

64 35.0 22.8 42.4



#6

Bromomethane

Concen: 5.208 ug/L

RT: 2.53 min Scan# 197

Delta R.T. -0.00 min

Lab File: VR025339.D

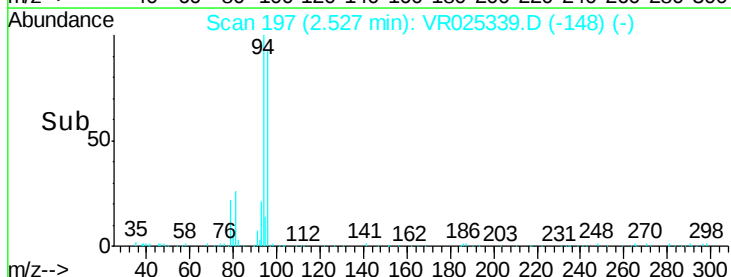
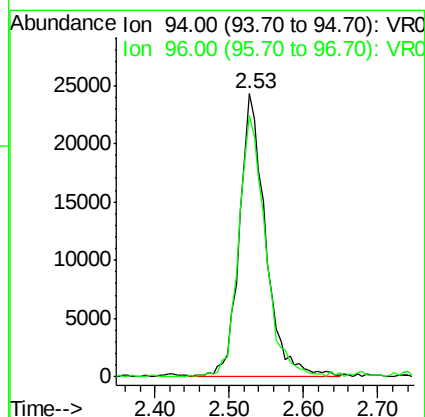
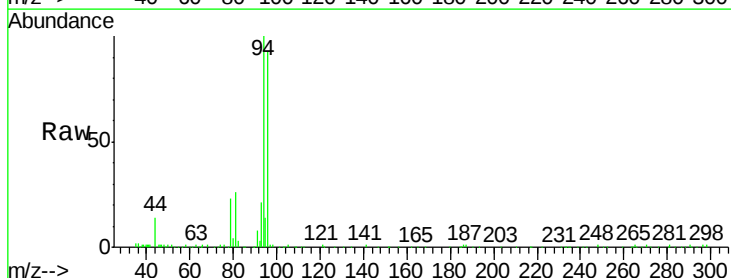
Acq: 16 Jun 2018 23:33

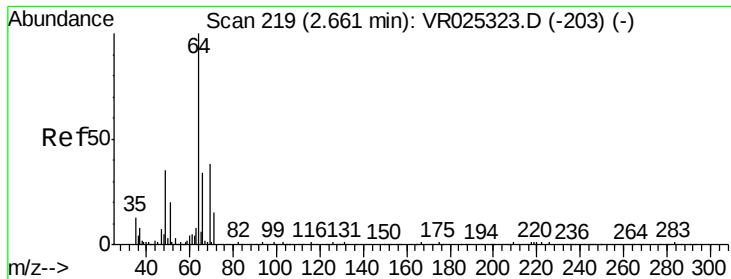
Tgt Ion: 94 Resp: 60024

Ion Ratio Lower Upper

94 100

96 92.5 65.9 122.3

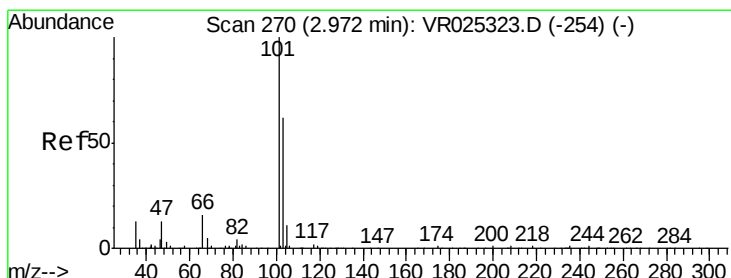
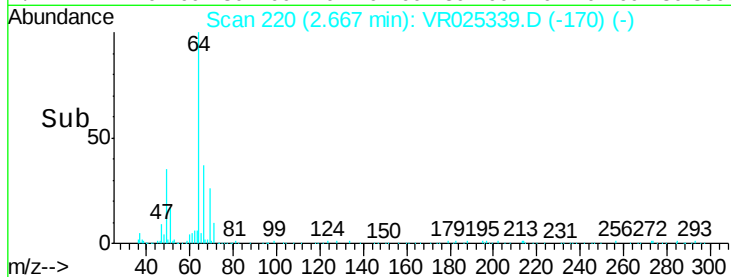
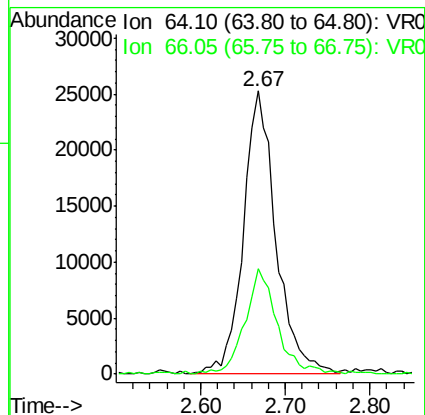
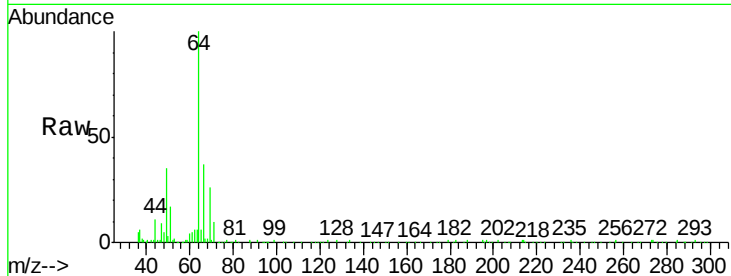




#8
Chloroethane
Concen: 5.362 ug/L
RT: 2.67 min Scan# 220
Delta R.T. 0.01 min
Lab File: VR025339.D
Acq: 16 Jun 2018 23:33

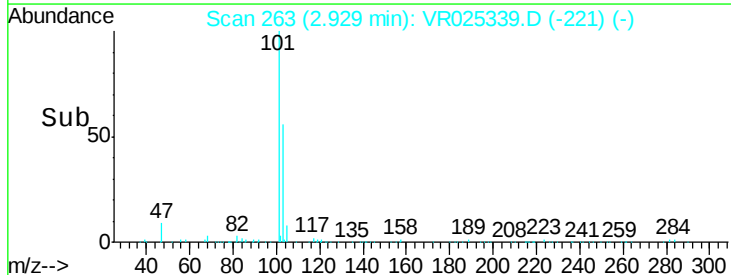
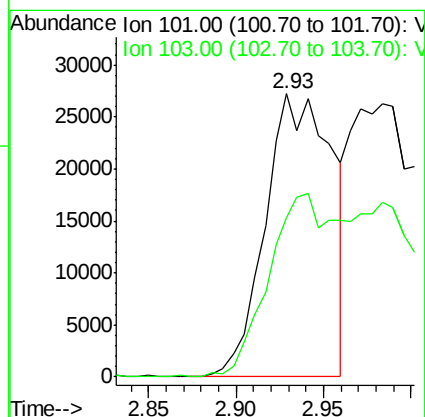
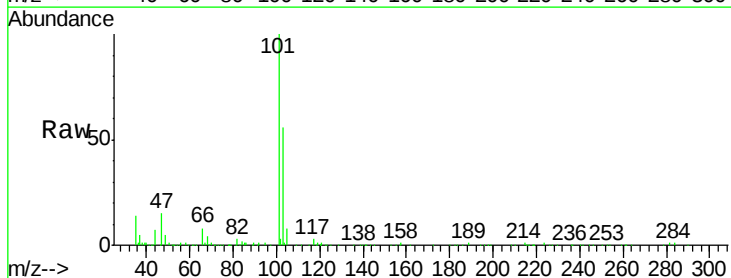
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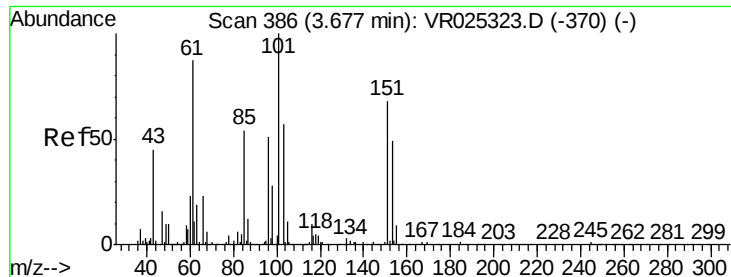
Tgt Ion: 64 Resp: 66191
Ion Ratio Lower Upper
64 100
66 37.3 21.3 39.5



#9
Trichlorofluoromethane
Concen: 2.096 ug/L
RT: 2.93 min Scan# 263
Delta R.T. -0.04 min
Lab File: VR025339.D
Acq: 16 Jun 2018 23:33

Tgt Ion: 101 Resp: 72383
Ion Ratio Lower Upper
101 100
103 63.9 11.0 16.4#





#10

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

Concen: 5.873 ug/L

RT: 3.69 min Scan# 388

Delta R.T. 0.01 min

Lab File: VR025339.D

Acq: 16 Jun 2018 23:33

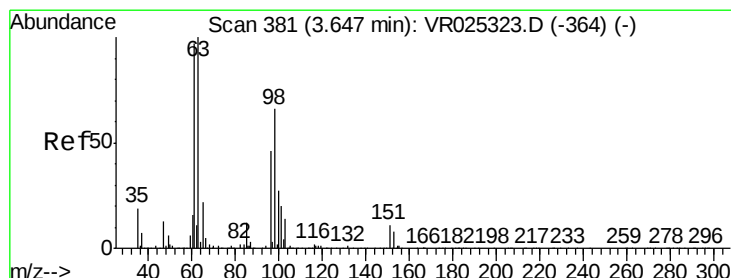
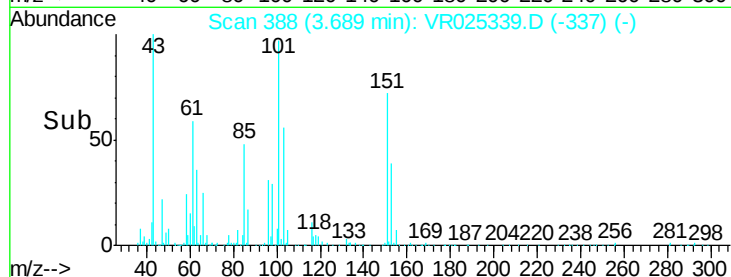
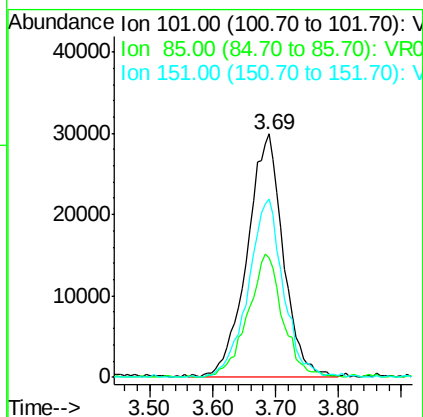
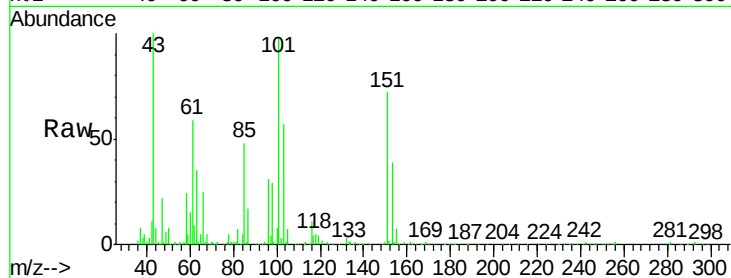
Instrument :

MSVOA_R

ClientSampleId :

VSTD00587

Tgt Ion:	101	Resp:	118985
Ion	Ratio	Lower	Upper
101	100		
85	49.1	39.1	58.7
151	70.9	57.5	86.3



#12

1,1-Dichloroethene

Concen: 5.759 ug/L

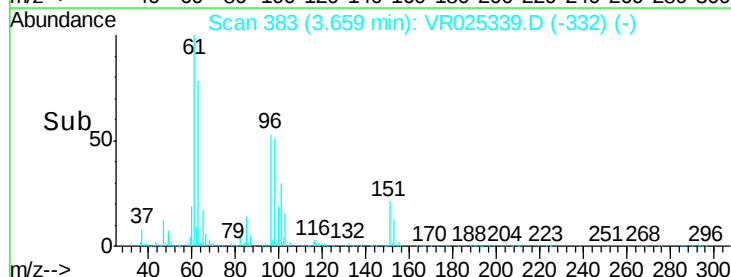
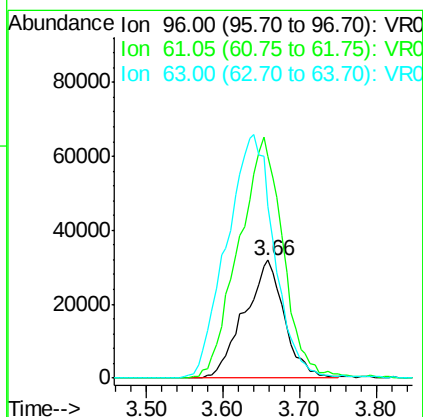
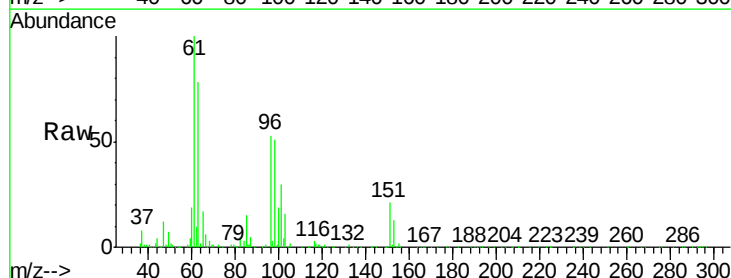
RT: 3.66 min Scan# 383

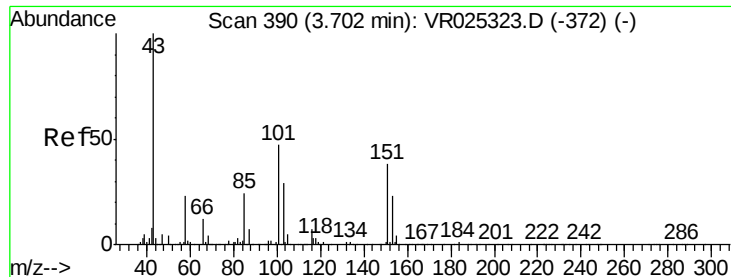
Delta R.T. 0.01 min

Lab File: VR025339.D

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Tgt Ion:	96	Resp:	115602
Ion	Ratio	Lower	Upper
96	100		
61	188.1	155.0	287.9
63	146.3	122.3	227.1





#13

Acetone

Concen: 54.070 ug/L

RT: 3.70 min Scan# 390

Delta R.T. -0.00 min

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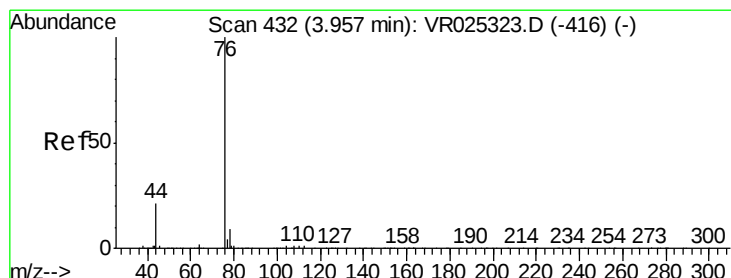
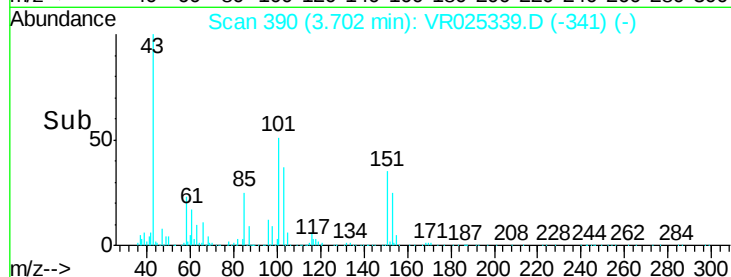
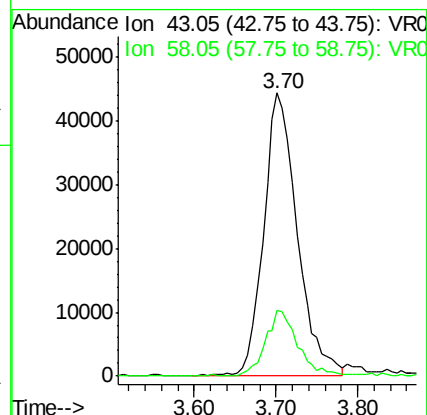
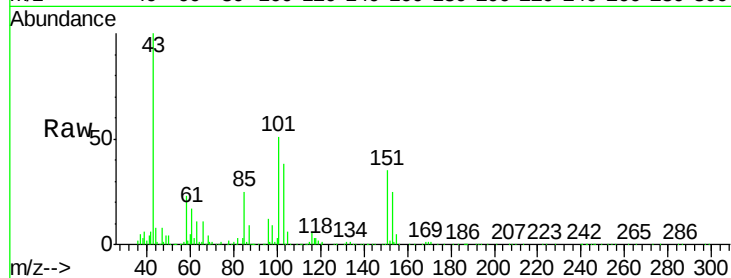
VSTD00587

Tgt Ion: 43 Resp: 127311

Ion Ratio Lower Upper

43 100

58 22.3 0.0 41.6



#14

Carbon disulfide

Concen: 5.163 ug/L

RT: 3.96 min Scan# 432

Delta R.T. -0.00 min

Lab File: VR025339.D

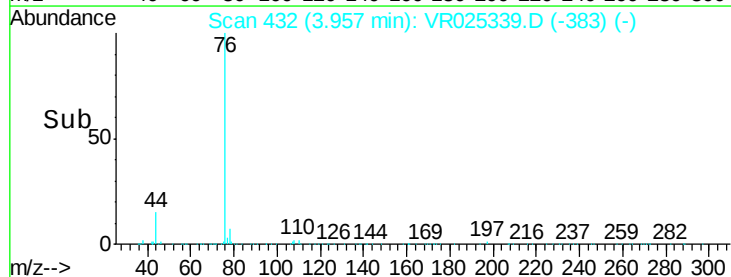
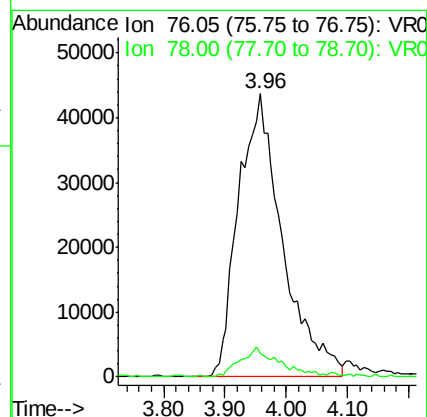
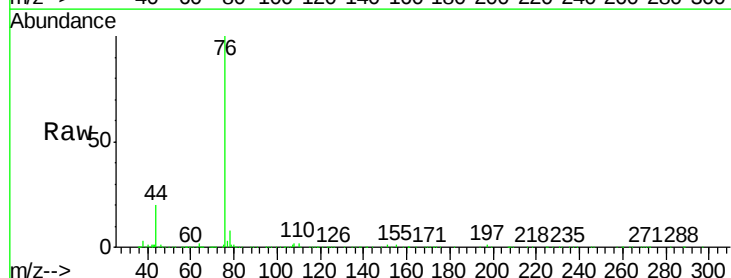
Acq: 16 Jun 2018 23:33

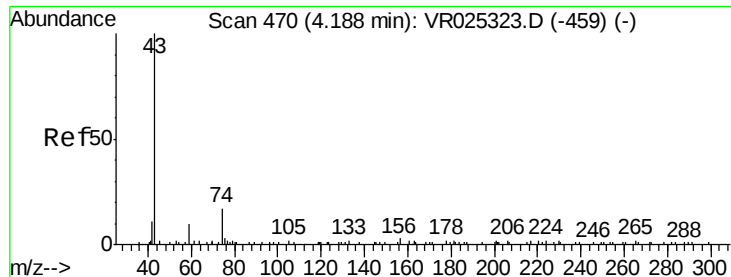
Tgt Ion: 76 Resp: 218027

Ion Ratio Lower Upper

76 100

78 8.4 7.4 11.2

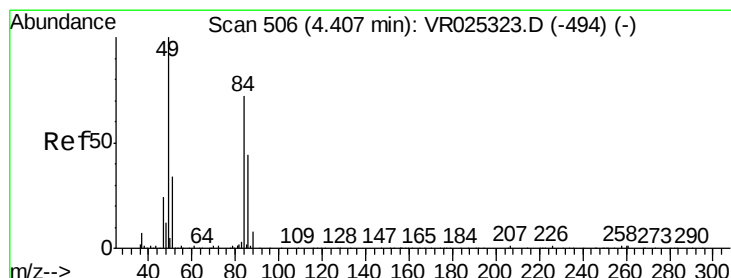
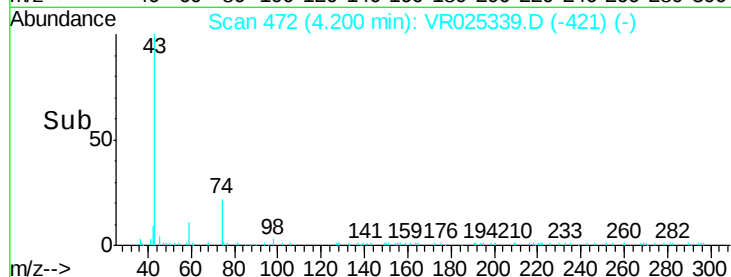
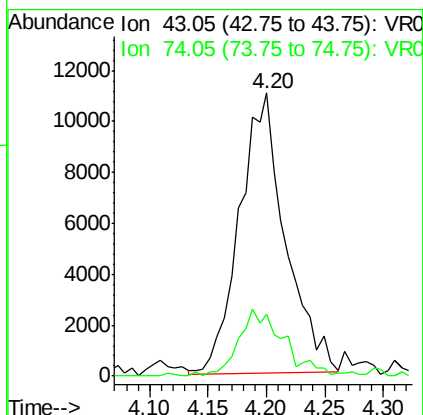
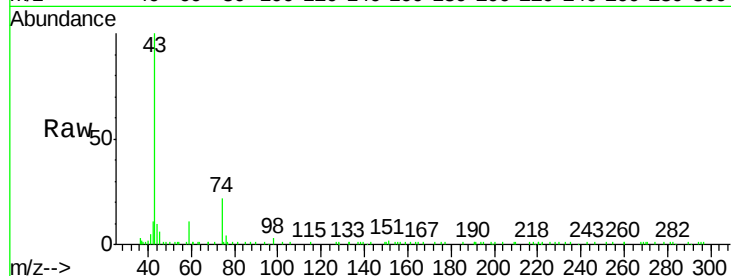




#15
Methyl Acetate
Concen: 5.081 ug/L
RT: 4.20 min Scan# 472
Delta R.T. 0.01 min
Lab File: VR025339.D
Acq: 16 Jun 2018 23:33

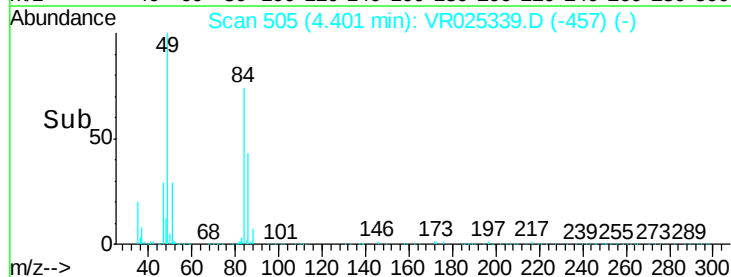
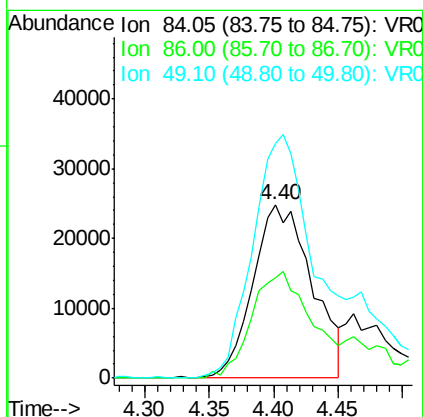
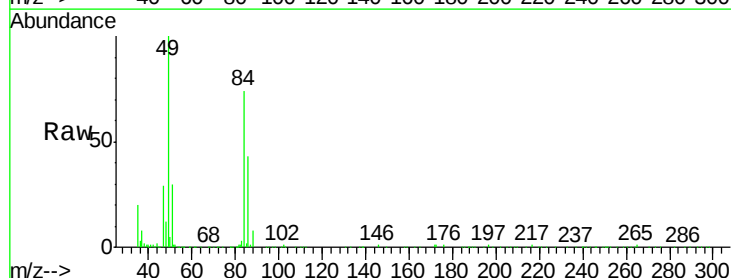
Instrument :
MSVOA_R
ClientSampleId :
VSTD00587

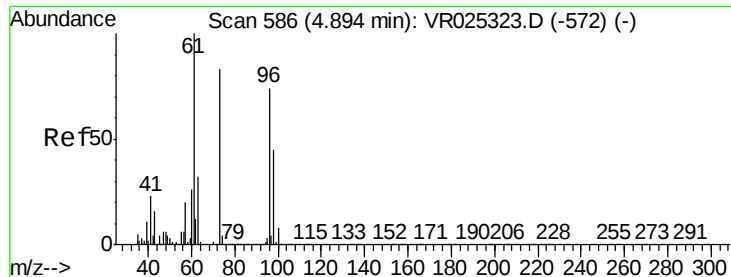
Tgt Ion: 43 Resp: 30081
Ion Ratio Lower Upper
43 100
74 23.3 16.7 25.1



#16
Methylene chloride
Concen: 4.314 ug/L
RT: 4.40 min Scan# 505
Delta R.T. -0.01 min
Lab File: VR025339.D
Acq: 16 Jun 2018 23:33

Tgt Ion: 84 Resp: 78789
Ion Ratio Lower Upper
84 100
86 58.0 43.7 81.1
49 135.1 87.2 162.0

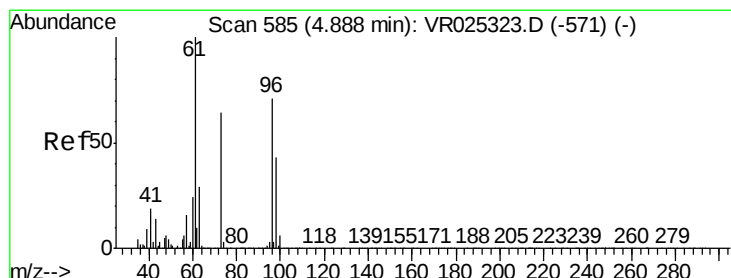
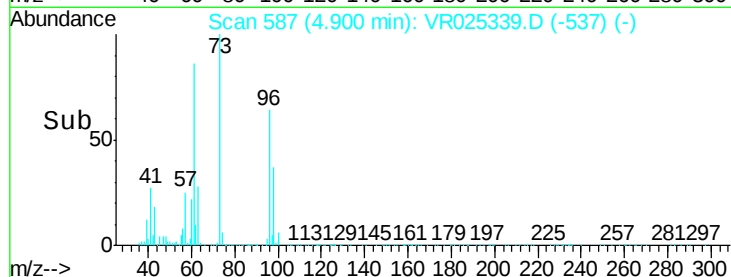
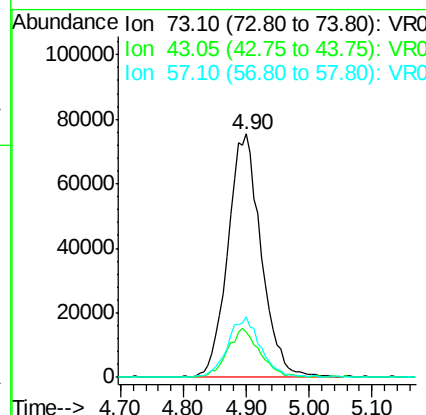
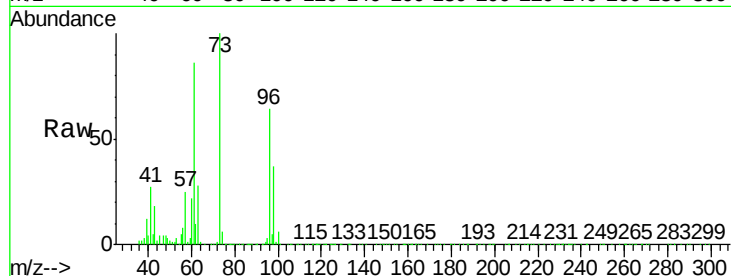




#17
Methyl tert-butyl Ether
Concen: 4.599 ug/L
RT: 4.90 min Scan# 587
Delta R.T. 0.01 min
Lab File: VR025339.D
Acq: 16 Jun 2018 23:33

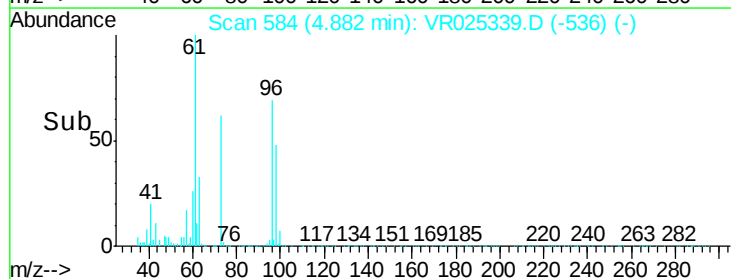
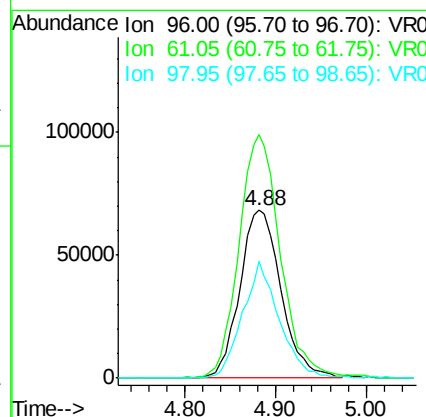
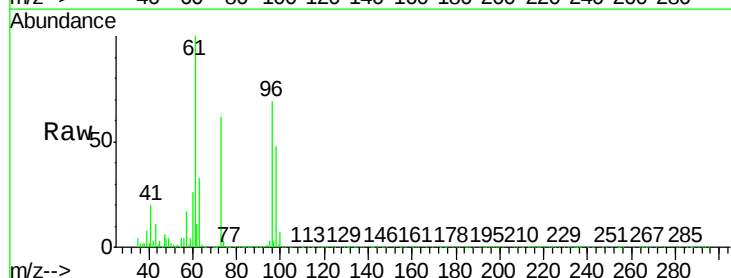
Instrument :
MSVOA_R
ClientSampleId :
VSTD00587

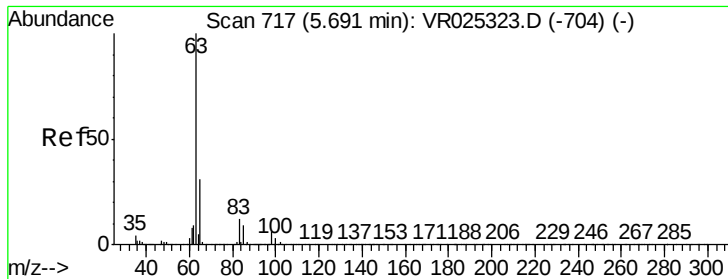
Tgt Ion: 73 Resp: 275160
Ion Ratio Lower Upper
73 100
43 19.0 15.8 23.6
57 23.9 19.0 28.4



#18
trans-1,2-Dichloroethene
Concen: 5.190 ug/L
RT: 4.88 min Scan# 584
Delta R.T. -0.01 min
Lab File: VR025339.D
Acq: 16 Jun 2018 23:33

Tgt Ion: 96 Resp: 214161
Ion Ratio Lower Upper
96 100
61 145.2 104.4 193.8
98 70.1 43.1 80.1





#19

1,1-Dichloroethane

Concen: 5.105 ug/L

RT: 5.69 min Scan# 717

Delta R.T. -0.00 min

Lab File: VR025339.D

Acq: 16 Jun 2018 23:33

Instrument :

MSVOA_R

ClientSampleId :

VSTD00587

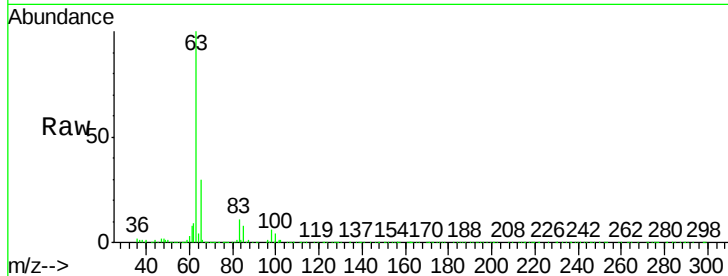
Tgt Ion: 63 Resp: 395752

Ion Ratio Lower Upper

63 100

65 29.6 22.5 41.7

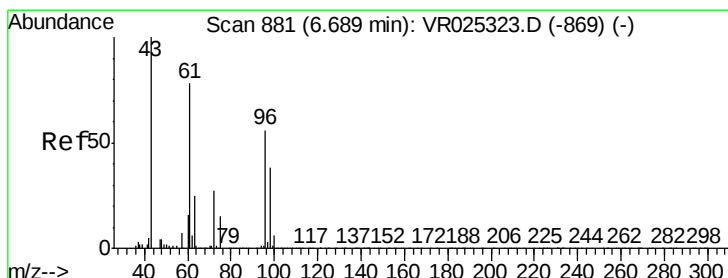
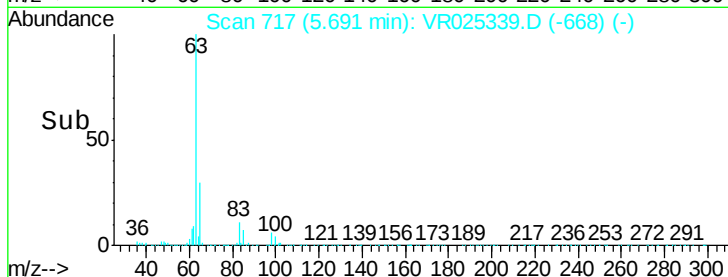
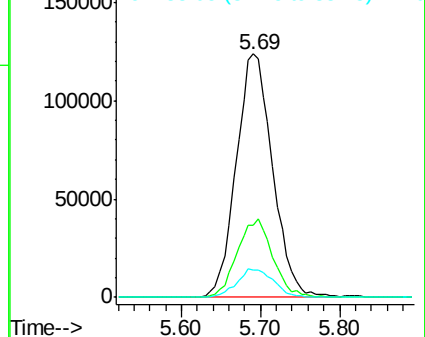
83 11.3 9.5 17.7



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 65.10 (64.80 to 65.80): VR0

Ion 83.05 (82.75 to 83.75): VR0



#21

2-Butanone

Concen: 55.091 ug/L

RT: 6.69 min Scan# 881

Delta R.T. -0.00 min

Lab File: VR025339.D

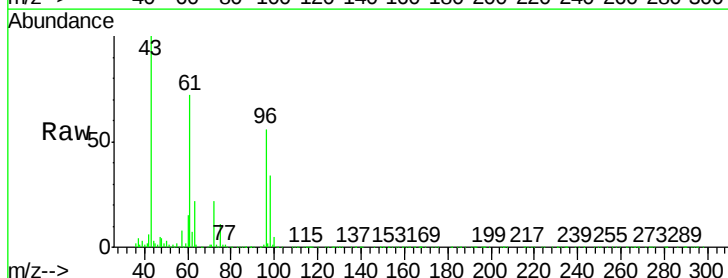
Acq: 16 Jun 2018 23:33

Tgt Ion: 43 Resp: 306594

Ion Ratio Lower Upper

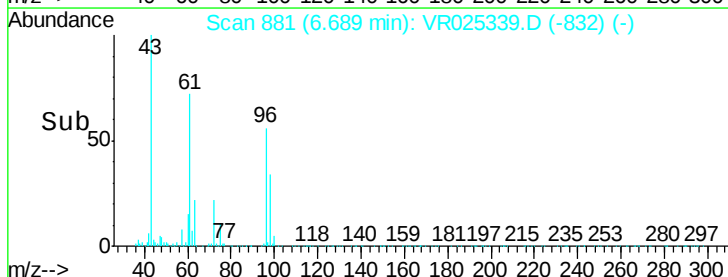
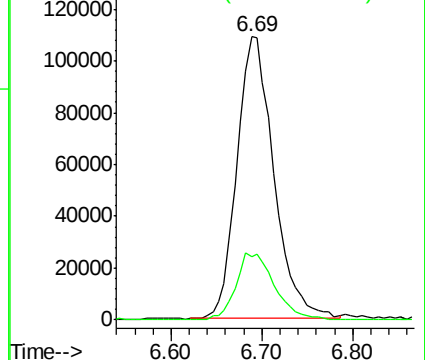
43 100

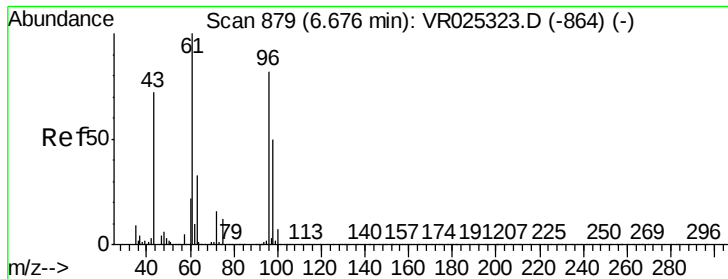
72 24.6 13.0 38.9



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 72.10 (71.80 to 72.80): VR0



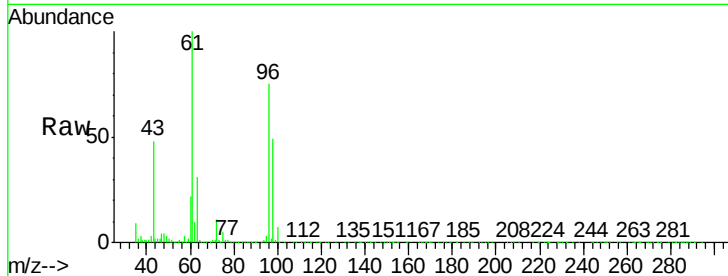


#22

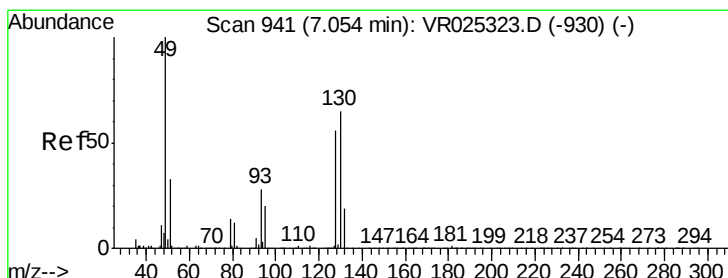
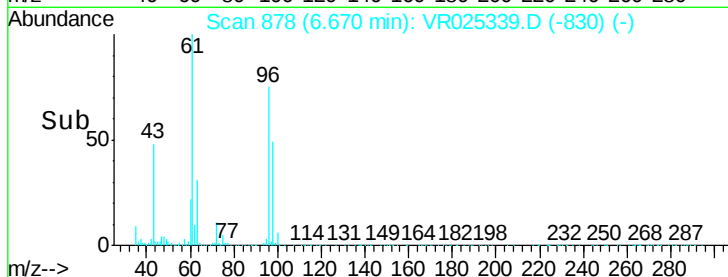
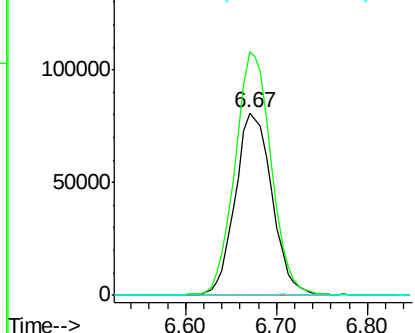
cis-1,2-Dichloroethene
 Concen: 5.280 ug/L
 RT: 6.67 min Scan# 878
 Delta R.T. -0.01 min
 Lab File: VR025339.D
 Acq: 16 Jun 2018 23:33

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00587

Tgt Ion	Ratio	Lower	Upper
96	100		
61	133.5	91.0	169.0
68	0.0	0.0	0.0



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

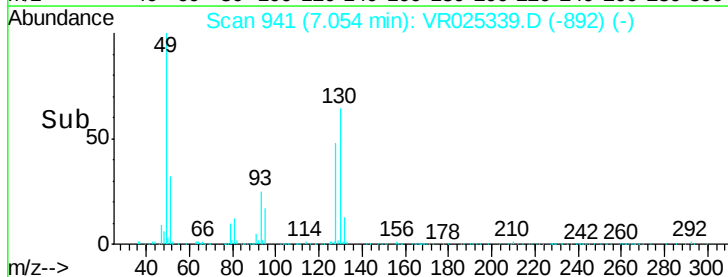
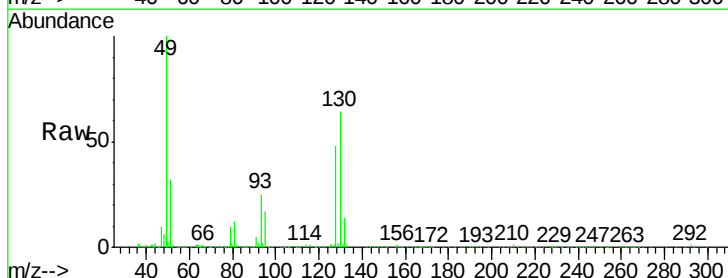
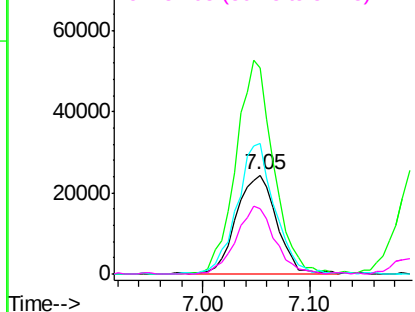


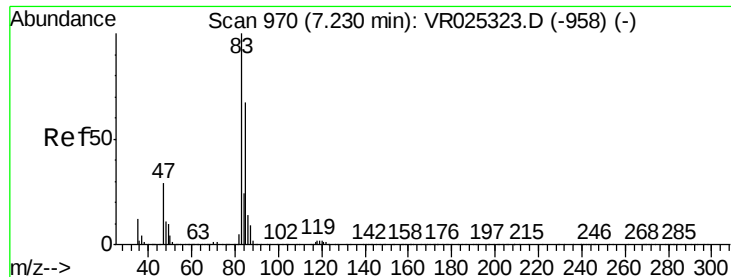
#23

Bromochloromethane
 Concen: 5.083 ug/L
 RT: 7.05 min Scan# 941
 Delta R.T. -0.00 min
 Lab File: VR025339.D
 Acq: 16 Jun 2018 23:33

Tgt Ion	Ratio	Lower	Upper
128	100		
49	208.6	128.7	238.9
130	132.9	87.2	161.9
51	66.3	48.2	72.2

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





#25

Chloroform

Concen: 5.255 ug/L

RT: 7.23 min Scan# 970

Delta R.T. -0.00 min

Lab File: VR025339.D

Acq: 16 Jun 2018 23:33

Instrument :

MSVOA_R

ClientSampleId :

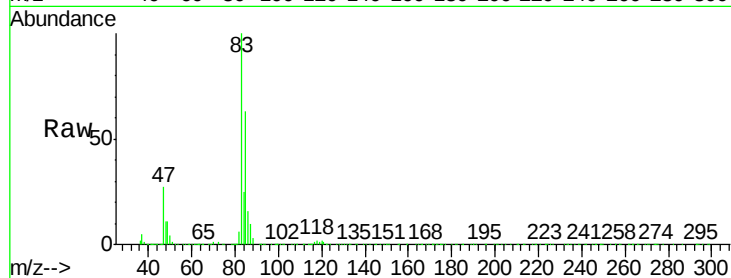
VSTD00587

Tgt Ion: 83 Resp: 372421

Ion Ratio Lower Upper

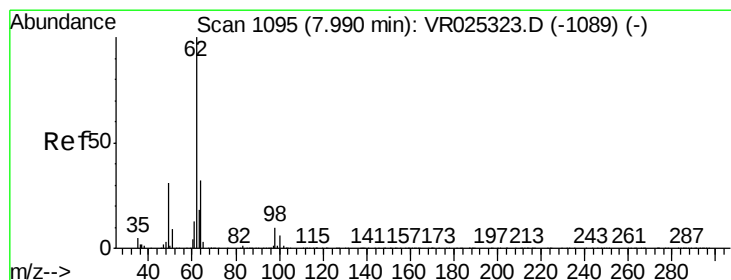
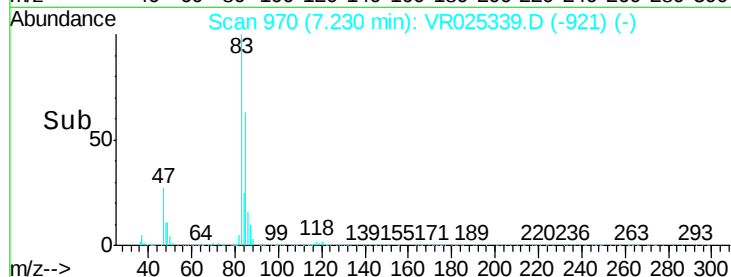
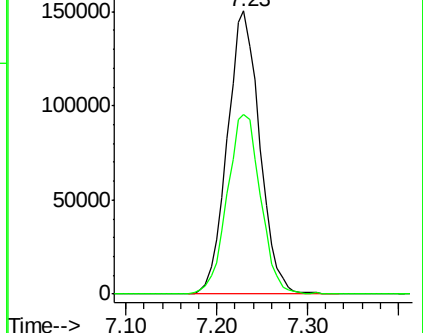
83 100

85 63.3 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0



#27

1,2-Dichloroethane

Concen: 5.155 ug/L

RT: 7.99 min Scan# 1095

Delta R.T. -0.00 min

Lab File: VR025339.D

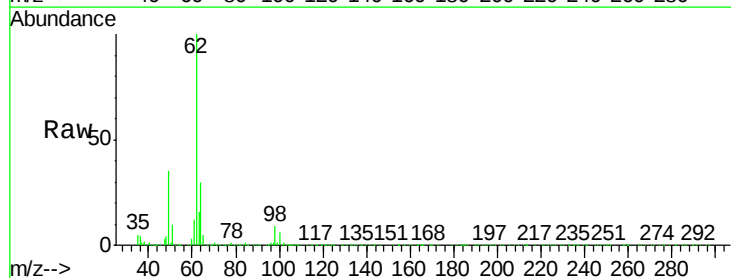
Acq: 16 Jun 2018 23:33

Tgt Ion: 62 Resp: 166749

Ion Ratio Lower Upper

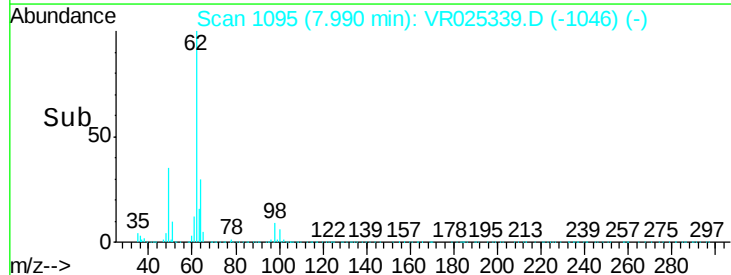
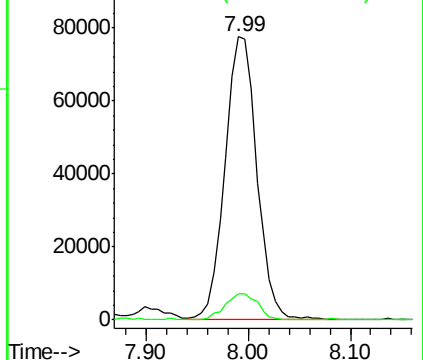
62 100

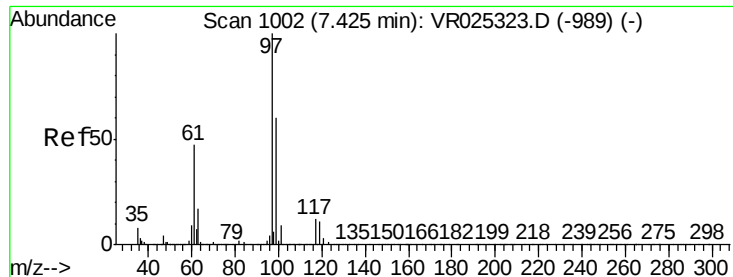
98 9.4 5.4 8.2#



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0

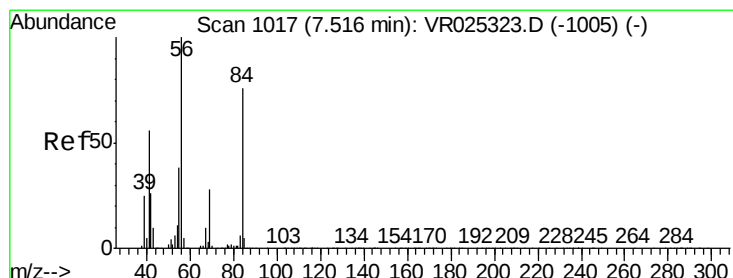
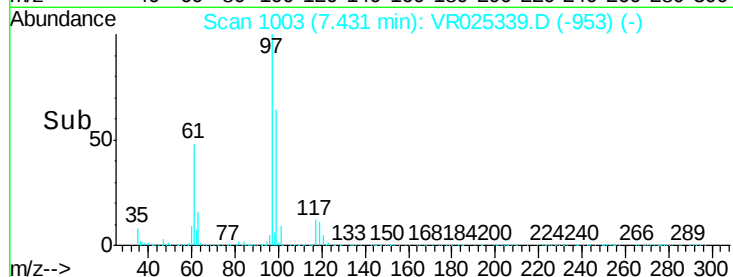
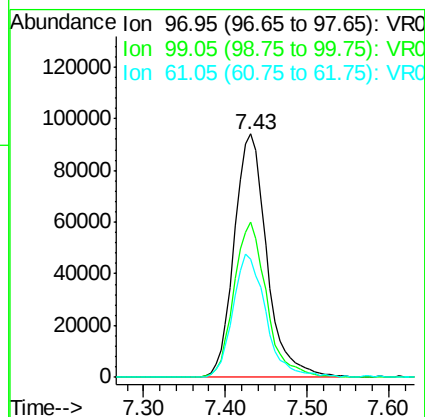
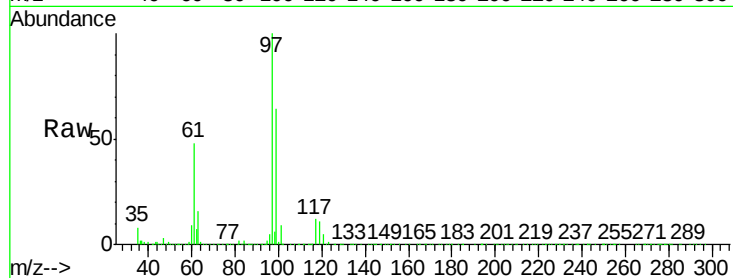




#29
 1,1,1-Trichloroethane
 Concen: 4.447 ug/L
 RT: 7.43 min Scan# 1003
 Delta R.T. 0.01 min
 Lab File: VR025339.D
 Acq: 16 Jun 2018 23:33

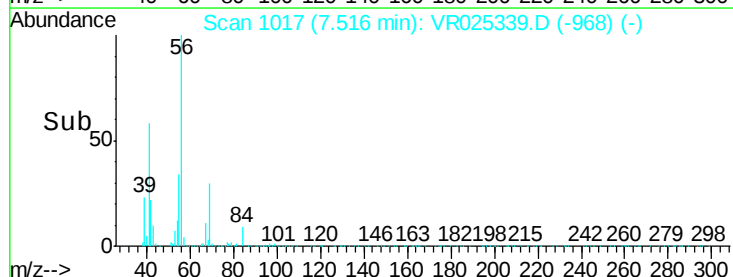
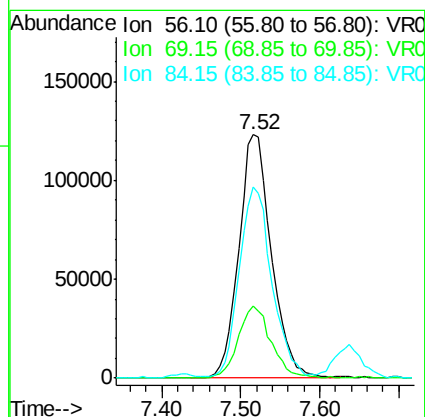
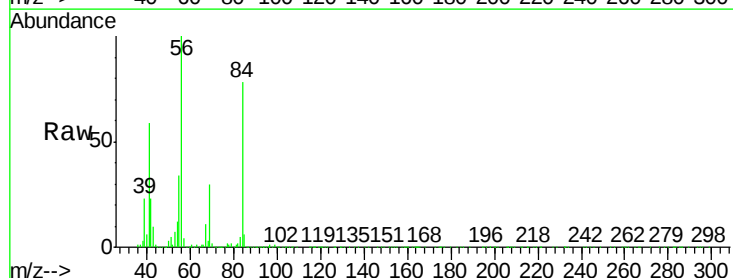
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00587

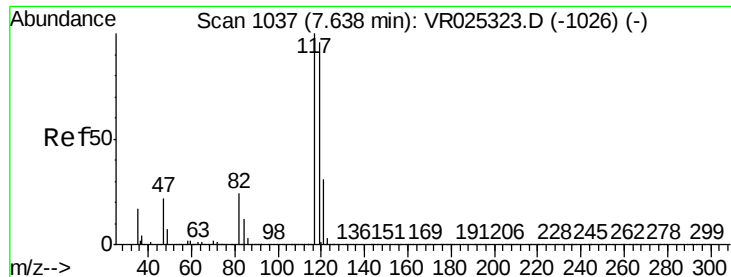
Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	52.1	78.1
61	51.1	37.0	55.6



#30
 Cyclohexane
 Concen: 4.732 ug/L
 RT: 7.52 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VR025339.D
 Acq: 16 Jun 2018 23:33

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.7	35.5
84	78.9	62.6	93.8

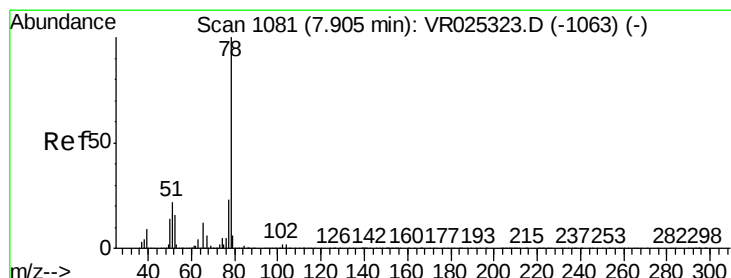
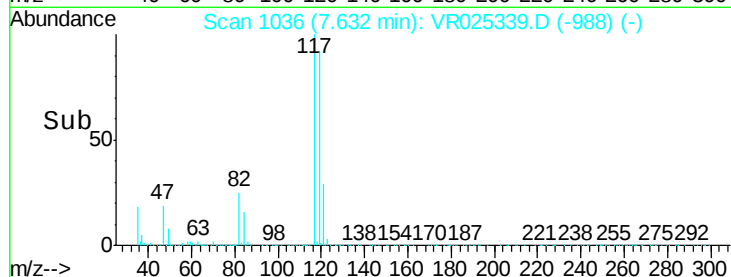
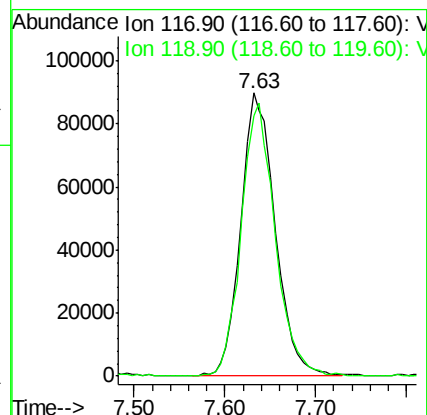
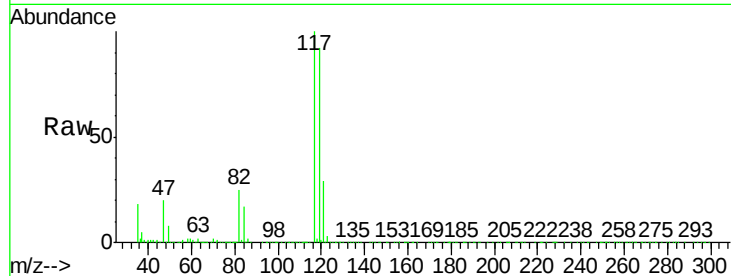




#31
Carbon tetrachloride
Concen: 4.570 ug/L
RT: 7.63 min Scan# 1036
Delta R.T. -0.01 min
Lab File: VR025339.D
Acq: 16 Jun 2018 23:33

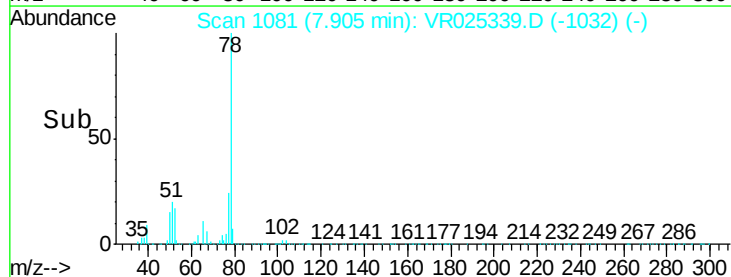
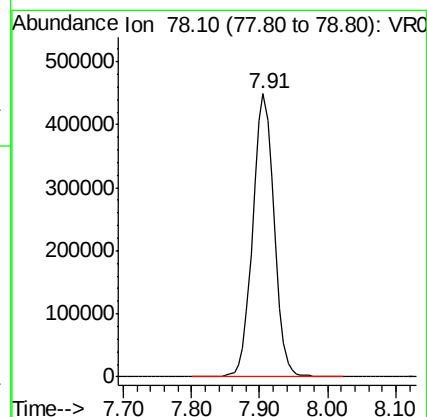
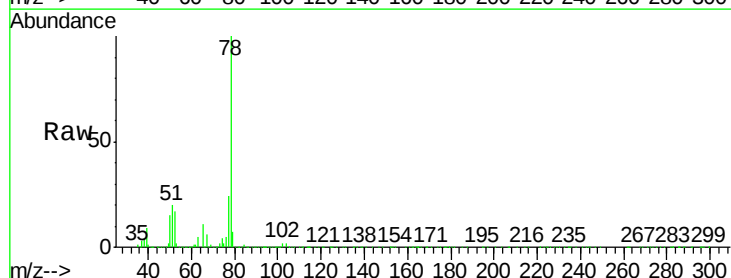
Instrument :
MSVOA_R
ClientSampleId :
VSTD00587

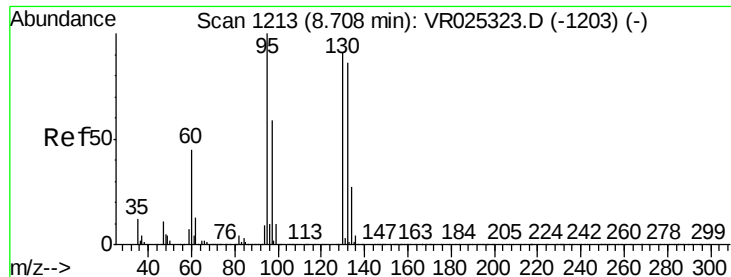
Tgt Ion:117 Resp: 234662
Ion Ratio Lower Upper
117 100
119 95.4 75.5 113.3



#33
Benzene
Concen: 5.093 ug/L
RT: 7.91 min Scan# 1081
Delta R.T. -0.00 min
Lab File: VR025339.D
Acq: 16 Jun 2018 23:33

Tgt Ion: 78 Resp: 984529





#34

Trichloroethene

Concen: 4.809 ug/L

RT: 8.71 min Scan# 1213

Delta R.T. -0.00 min

Lab File: VR025339.D

Acq: 16 Jun 2018 23:33

Instrument :

MSVOA_R

ClientSampleId :

VSTD00587

Tgt Ion: 95 Resp: 224945

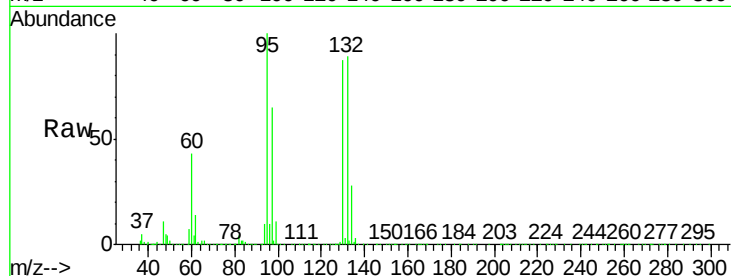
Ion Ratio Lower Upper

95 100

97 64.7 45.6 84.6

132 88.8 60.9 113.1

130 86.7 62.0 115.2

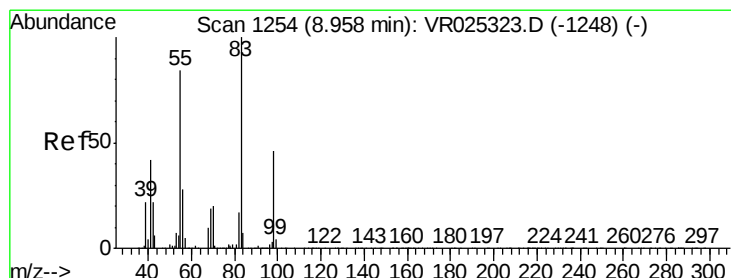
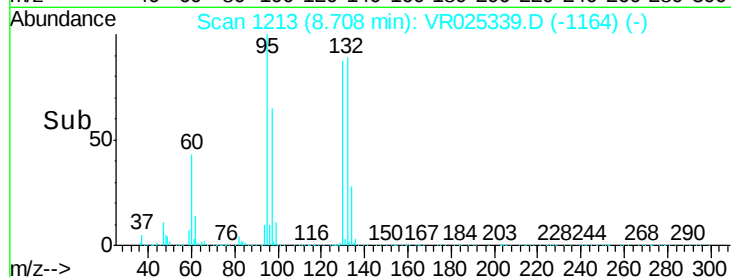
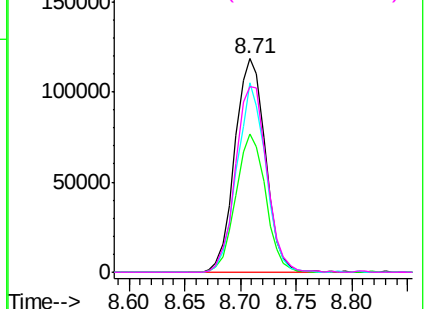


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 4.946 ug/L

RT: 8.95 min Scan# 1253

Delta R.T. -0.01 min

Lab File: VR025339.D

Acq: 16 Jun 2018 23:33

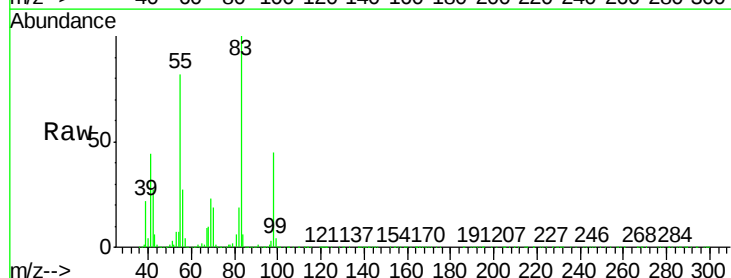
Tgt Ion: 83 Resp: 365008

Ion Ratio Lower Upper

83 100

55 81.6 66.1 99.1

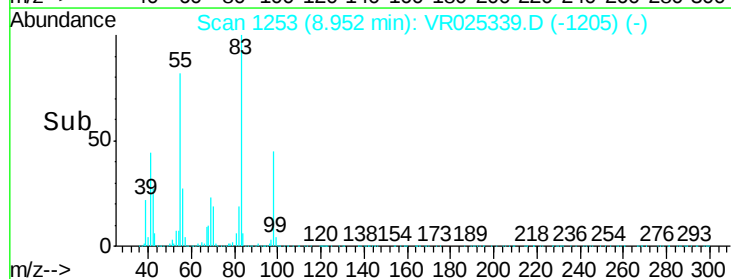
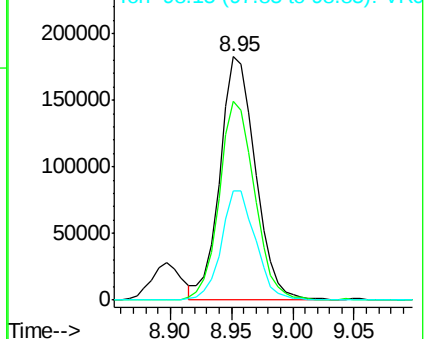
98 43.8 36.2 54.4

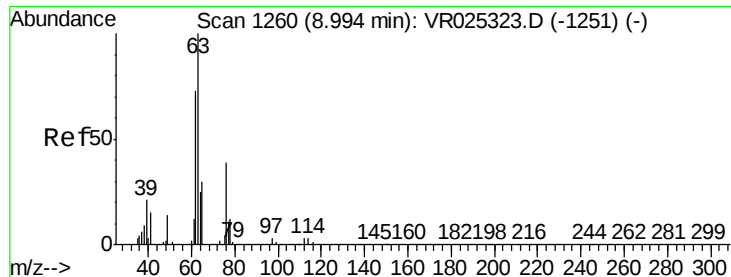


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

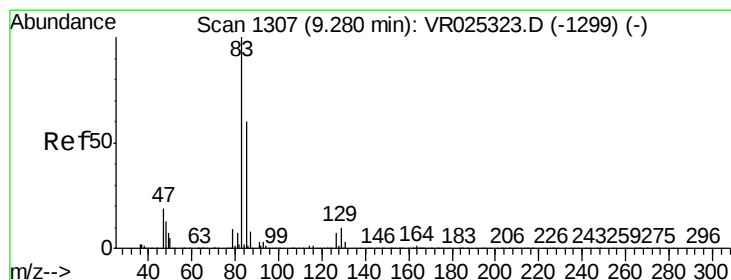
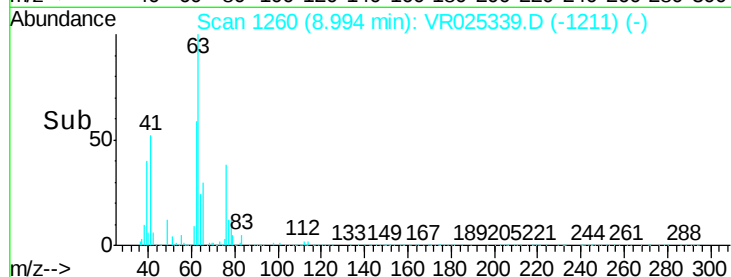
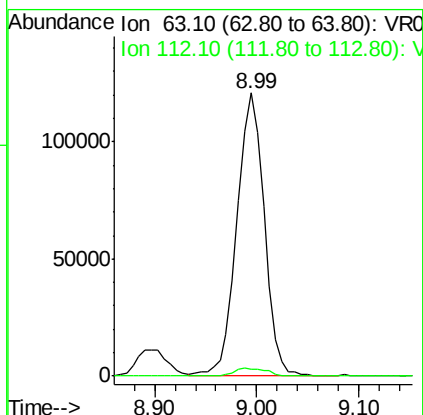
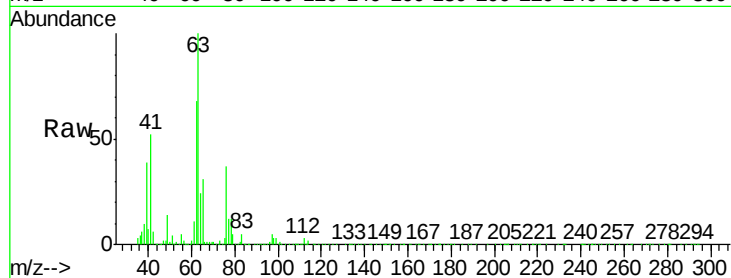




#37
 1,2-Dichloropropane
 Concen: 5.229 ug/L
 RT: 8.99 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VR025339.D
 Acq: 16 Jun 2018 23:33

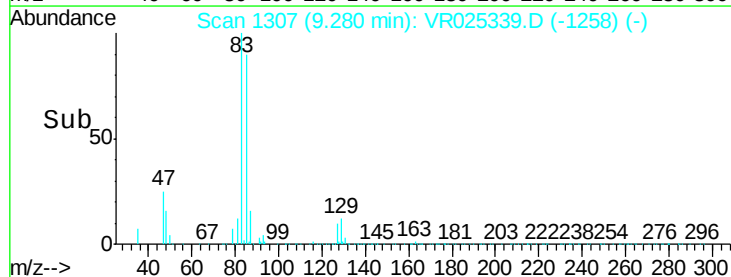
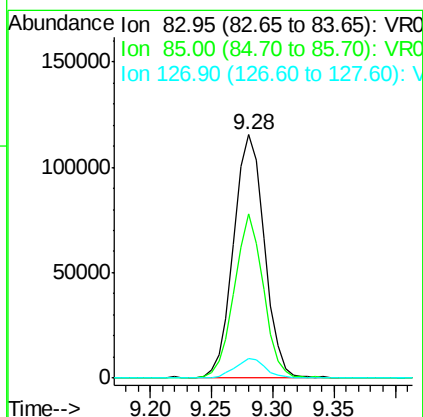
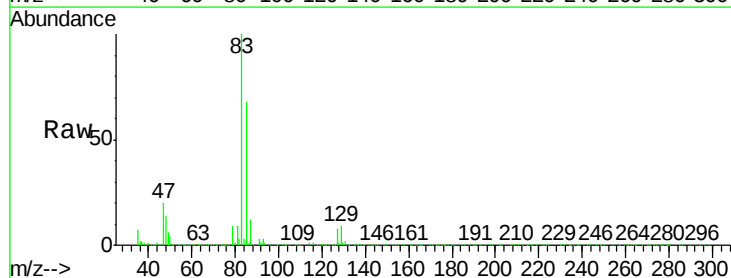
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00587

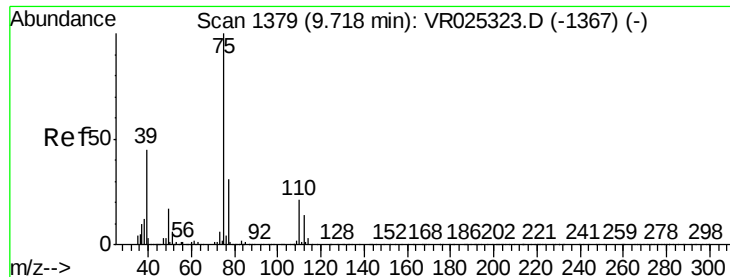
Tgt Ion: 63 Resp: 224738
 Ion Ratio Lower Upper
 63 100
 112 3.3 2.9 4.3



#38
 Bromodichloromethane
 Concen: 4.820 ug/L
 RT: 9.28 min Scan# 1307
 Delta R.T. -0.00 min
 Lab File: VR025339.D
 Acq: 16 Jun 2018 23:33

Tgt Ion: 83 Resp: 200868
 Ion Ratio Lower Upper
 83 100
 85 67.7 46.1 85.7
 127 7.8 5.7 8.5





#39

cis-1,3-Dichloropropene

Concen: 4.400 ug/L

RT: 9.72 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VR025339.D

Acq: 16 Jun 2018 23:33

Instrument :

MSVOA_R

ClientSampled :

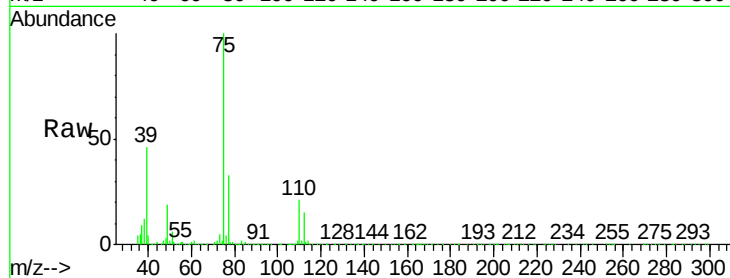
VSTD00587

Tgt Ion: 75 Resp: 222721

Ion Ratio Lower Upper

75 100

77 32.9 21.1 39.1



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

9.72

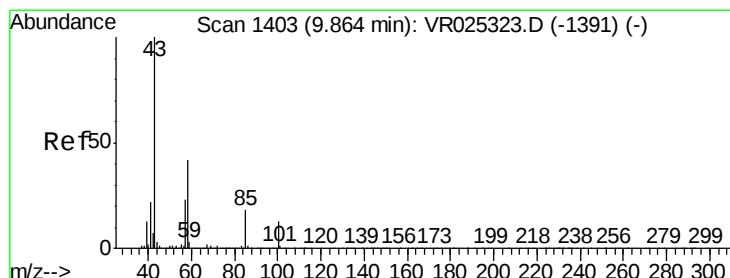
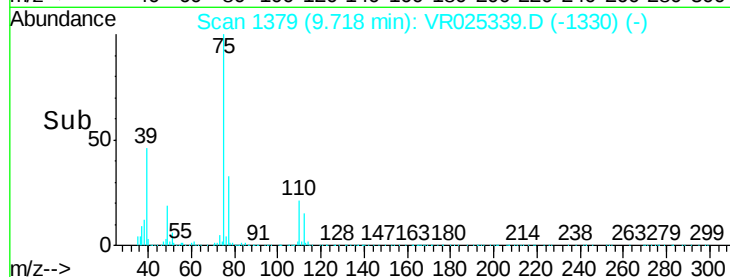
150000

100000

50000

0

Time-->



#40

4-Methyl-2-pentanone

Concen: 55.211 ug/L

RT: 9.86 min Scan# 1403

Delta R.T. -0.00 min

Lab File: VR025339.D

Acq: 16 Jun 2018 23:33

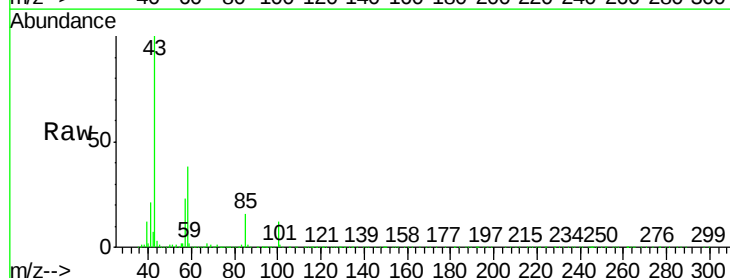
Tgt Ion: 43 Resp: 767806

Ion Ratio Lower Upper

43 100

58 39.0 30.3 45.5

100 12.7 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

9.86

600000

500000

400000

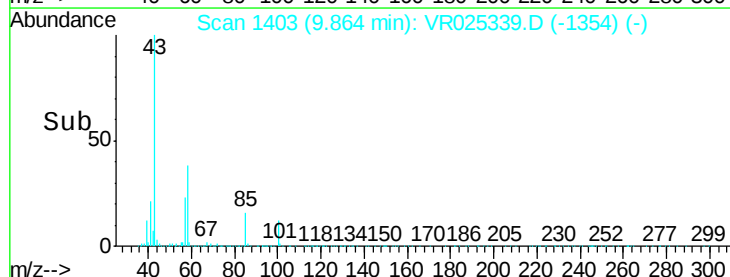
300000

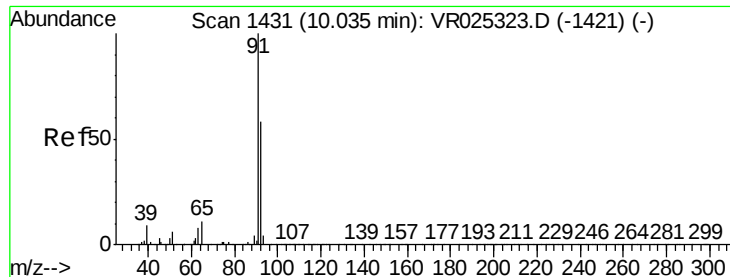
200000

100000

0

Time-->





#42

Toluene

Concen: 4.874 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VR025339.D

Acq: 16 Jun 2018 23:33

Instrument :

MSVOA_R

ClientSampleId :

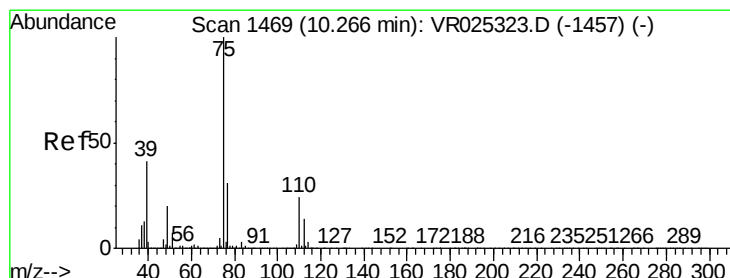
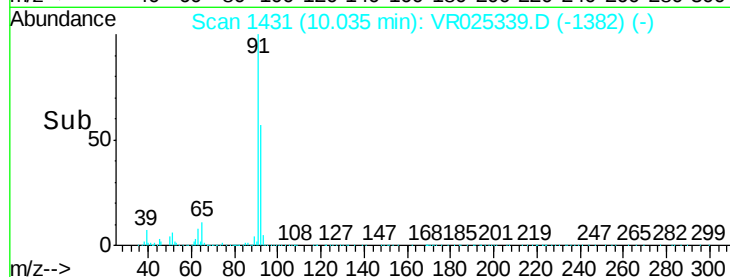
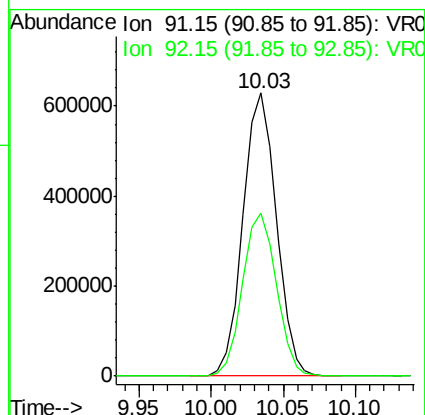
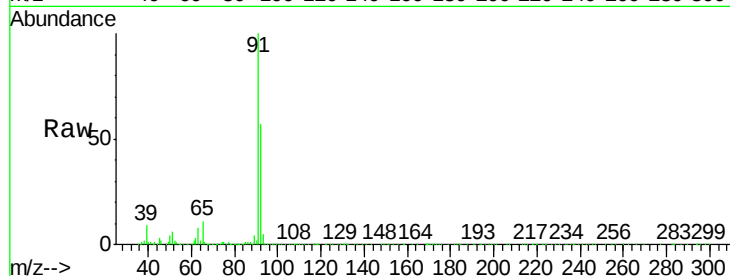
VSTD00587

Tgt Ion: 91 Resp: 1009729

Ion Ratio Lower Upper

91 100

92 57.5 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 4.312 ug/L

RT: 10.26 min Scan# 1468

Delta R.T. -0.01 min

Lab File: VR025339.D

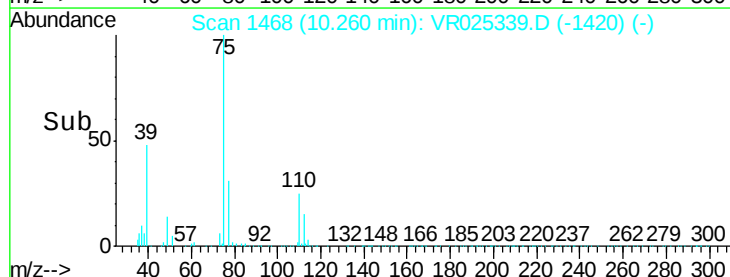
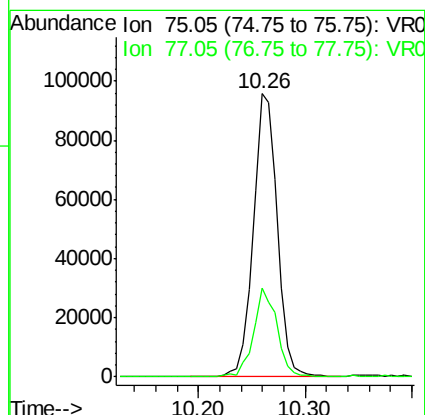
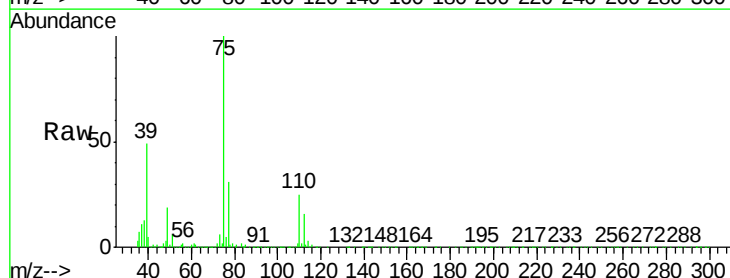
Acq: 16 Jun 2018 23:33

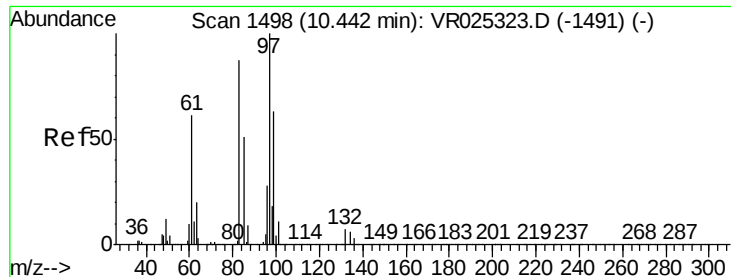
Tgt Ion: 75 Resp: 150116

Ion Ratio Lower Upper

75 100

77 31.2 20.6 38.4

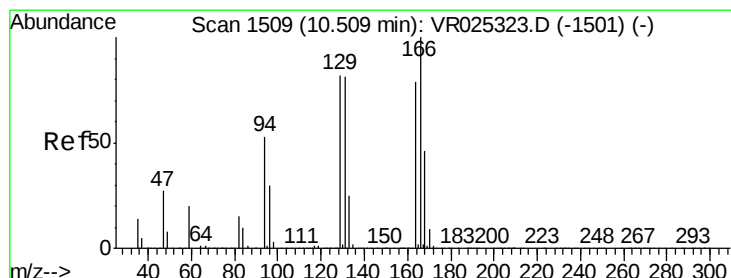
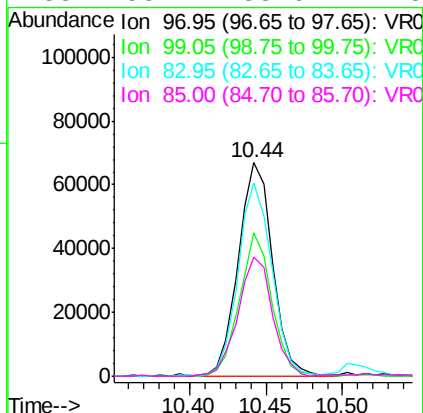
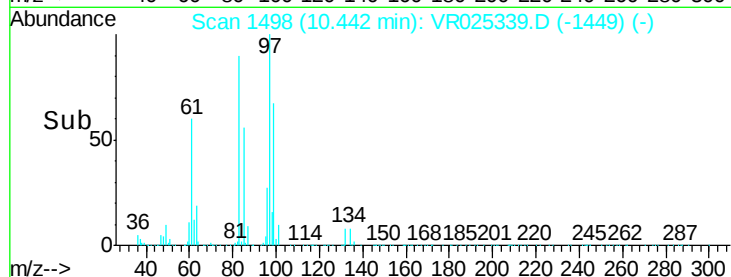
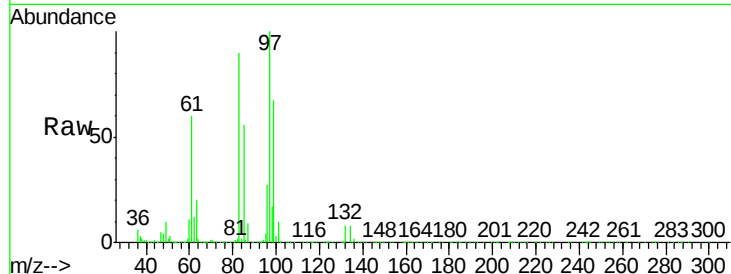




#45
 1,1,2-Trichloroethane
 Concen: 5.187 ug/L
 RT: 10.44 min Scan# 1498
 Delta R.T. -0.00 min
 Lab File: VR025339.D
 Acq: 16 Jun 2018 23:33

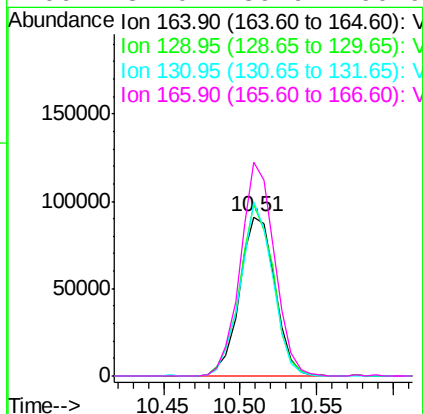
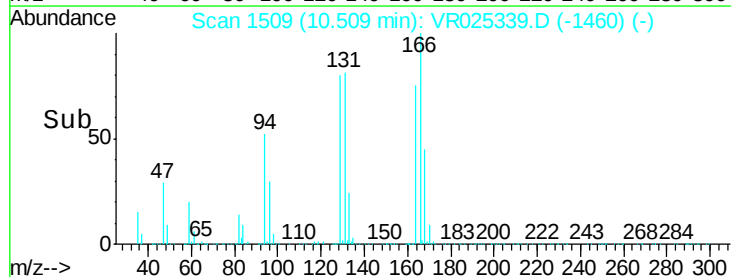
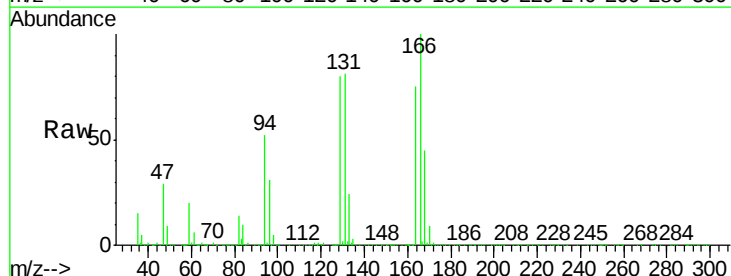
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00587

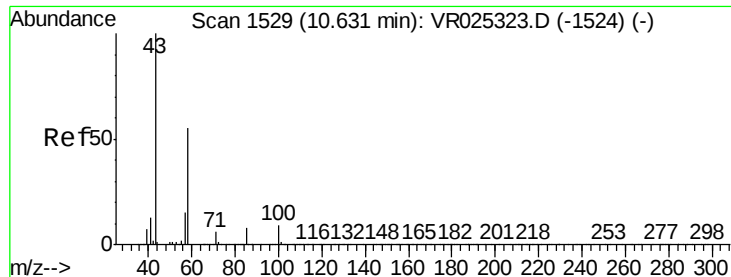
Tgt Ion:	97	Resp:	103480
Ion	Ratio	Lower	Upper
97	100		
99	67.2	41.9	77.9
83	90.3	64.5	119.9
85	55.7	38.6	71.8



#47
 Tetrachloroethene
 Concen: 4.668 ug/L
 RT: 10.51 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VR025339.D
 Acq: 16 Jun 2018 23:33

Tgt Ion:	164	Resp:	145739
Ion	Ratio	Lower	Upper
164	100		
129	107.3	68.1	126.5
131	109.1	68.5	127.1
166	134.0	89.9	166.9

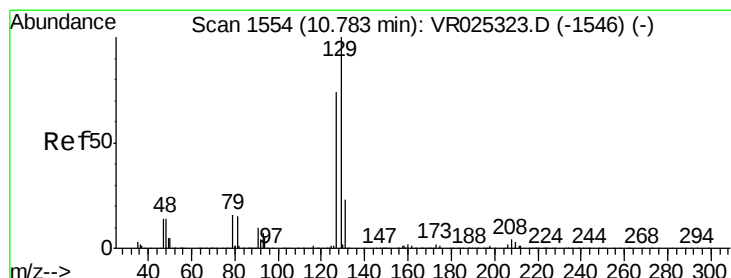
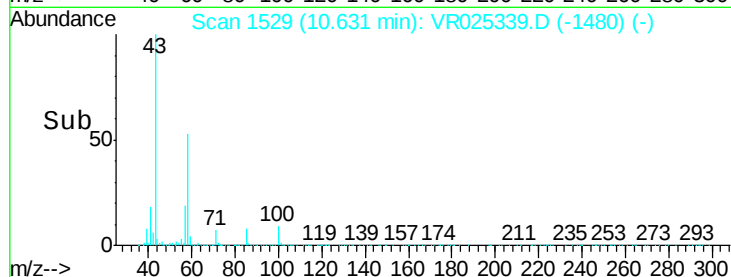
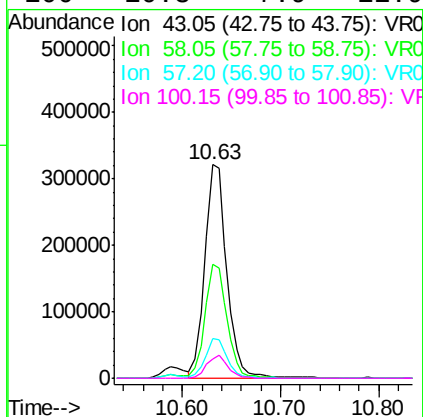
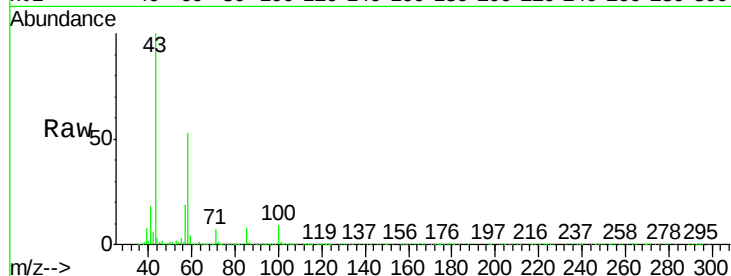




#48
2-Hexanone
Concen: 56.267 ug/L
RT: 10.63 min Scan# 1529
Delta R.T. -0.00 min
Lab File: VR025339.D
Acq: 16 Jun 2018 23:33

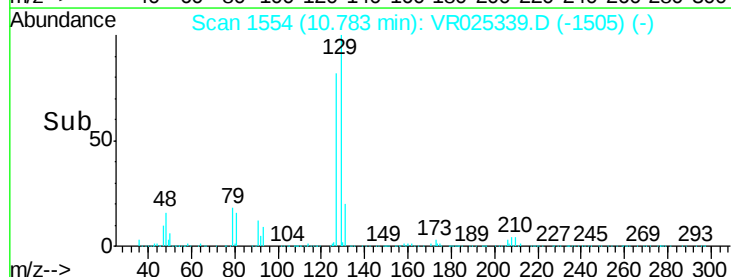
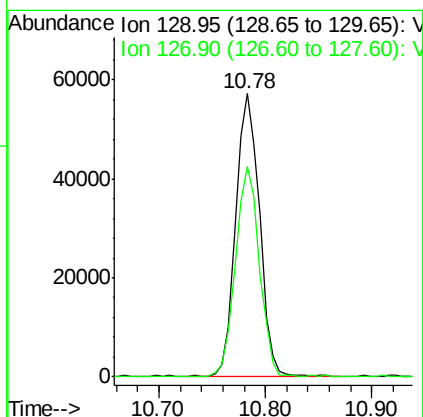
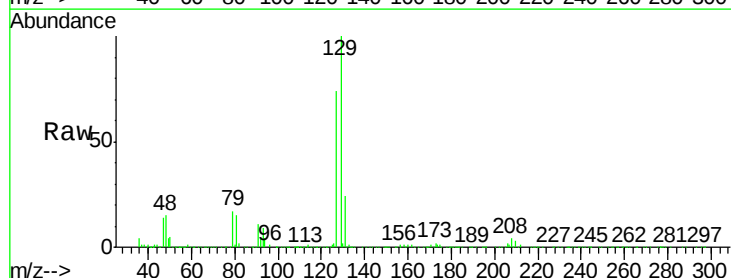
Instrument :
MSVOA_R
ClientSampleId :
VSTD00587

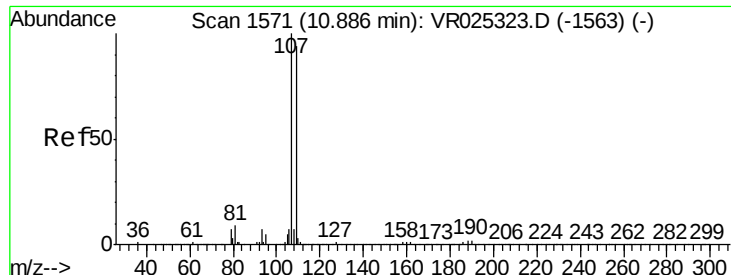
Tgt Ion:	43	Resp:	498802
Ion	Ratio	Lower	Upper
43	100		
58	53.5	43.1	64.7
57	17.9	15.3	22.9
100	10.3	7.9	11.9



#49
Dibromochloromethane
Concen: 4.700 ug/L
RT: 10.78 min Scan# 1554
Delta R.T. -0.00 min
Lab File: VR025339.D
Acq: 16 Jun 2018 23:33

Tgt Ion:	129	Resp:	90280
Ion	Ratio	Lower	Upper
129	100		
127	74.4	55.9	103.7

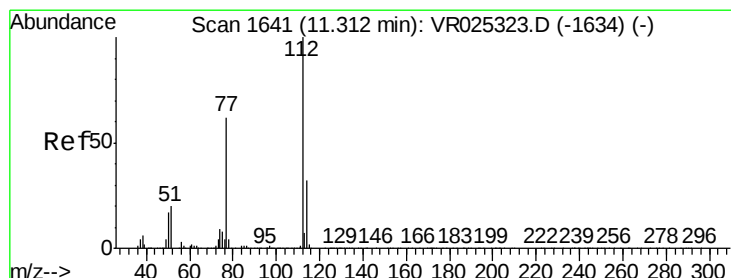
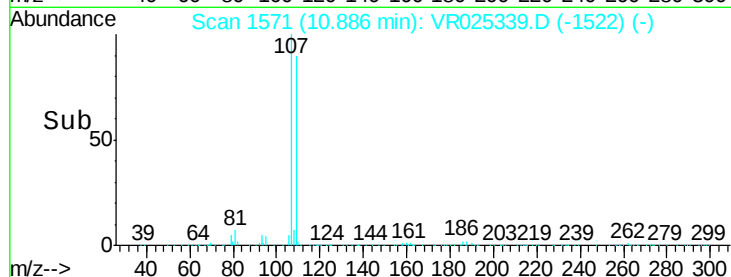
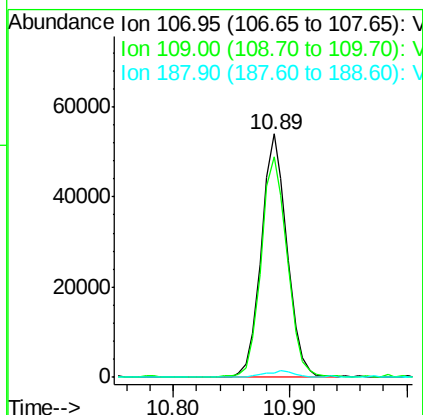
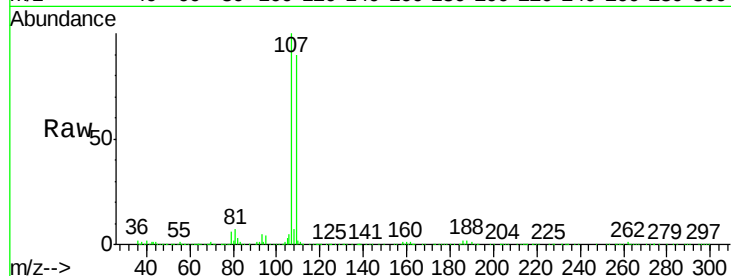




#50
1,2-Dibromoethane
Concen: 5.167 ug/L
RT: 10.89 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VR025339.D
Acq: 16 Jun 2018 23:33

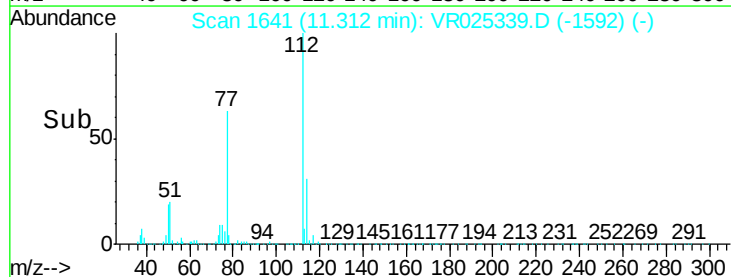
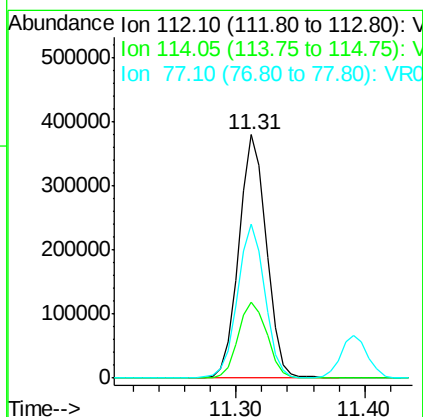
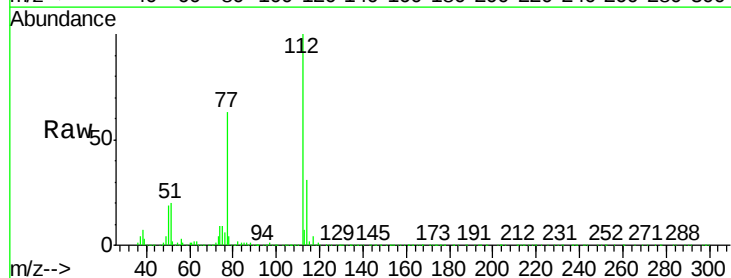
Instrument :
MSVOA_R
ClientSampleId :
VSTD00587

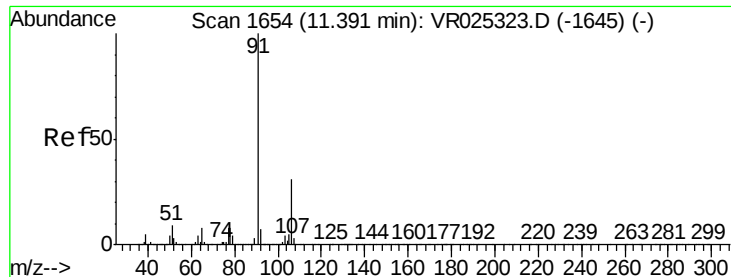
Tgt Ion:107 Resp: 82636
Ion Ratio Lower Upper
107 100
109 90.4 63.1 117.3
188 1.8 1.8 2.8#



#51
Chlorobenzene
Concen: 5.058 ug/L
RT: 11.31 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VR025339.D
Acq: 16 Jun 2018 23:33

Tgt Ion:112 Resp: 561200
Ion Ratio Lower Upper
112 100
114 31.3 21.6 40.0
77 63.1 51.9 77.9





#52

Ethylbenzene

Concen: 5.325 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VR025339.D

Acq: 16 Jun 2018 23:33

Instrument :

MSVOA_R

ClientSampleId :

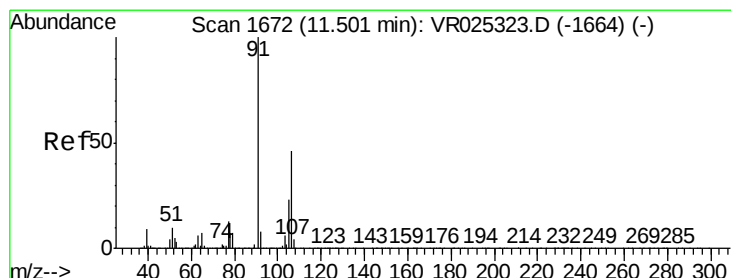
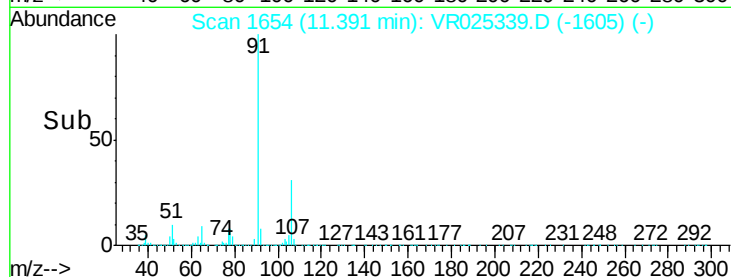
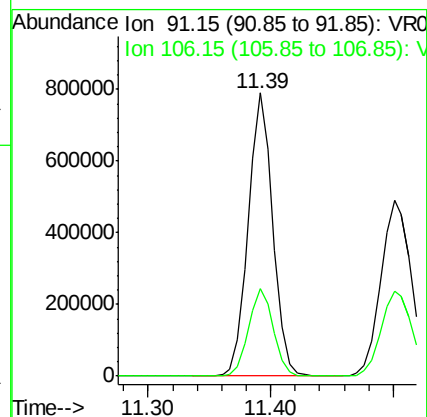
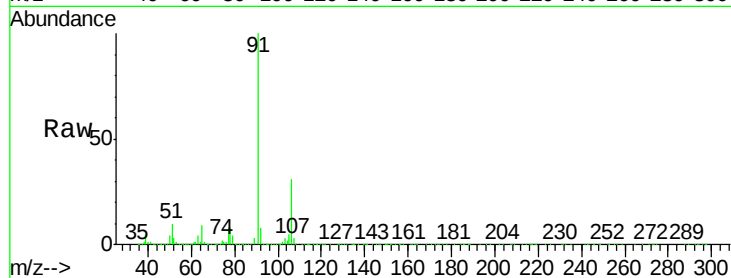
VSTD00587

Tgt Ion: 91 Resp: 1094401

Ion Ratio Lower Upper

91 100

106 31.1 22.5 41.7



#53

m,p-Xylene

Concen: 5.230 ug/L

RT: 11.50 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VR025339.D

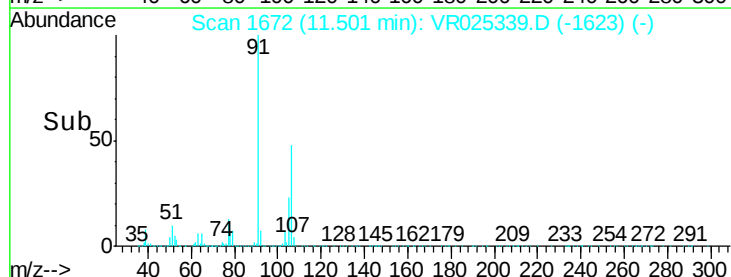
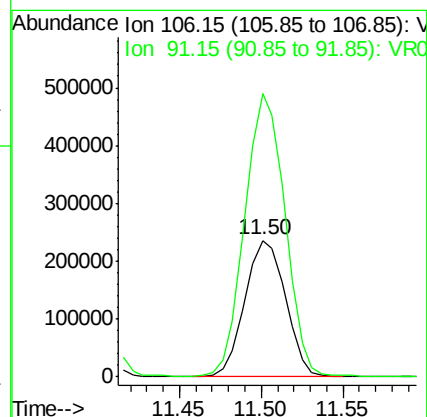
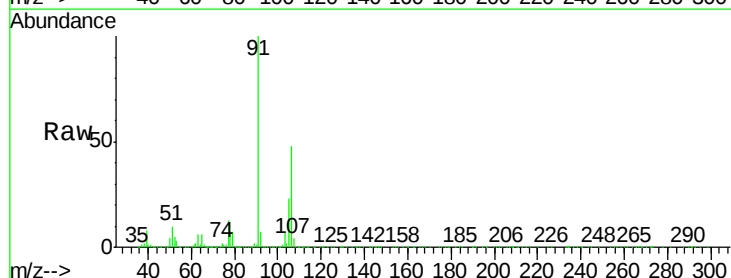
Acq: 16 Jun 2018 23:33

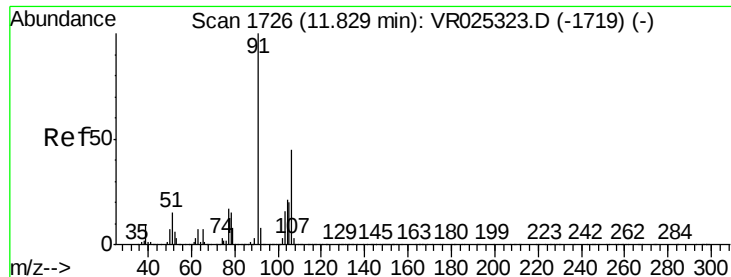
Tgt Ion: 106 Resp: 410360

Ion Ratio Lower Upper

106 100

91 207.2 152.6 283.4

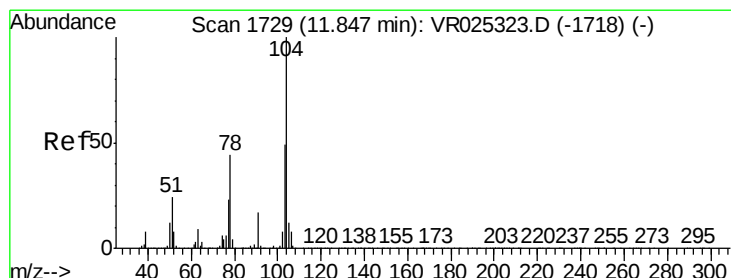
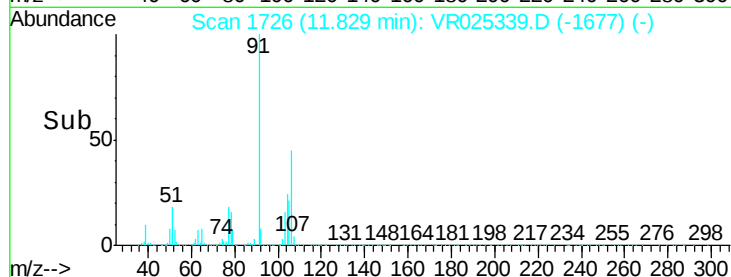
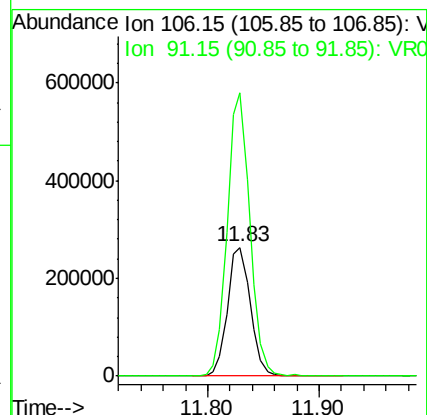
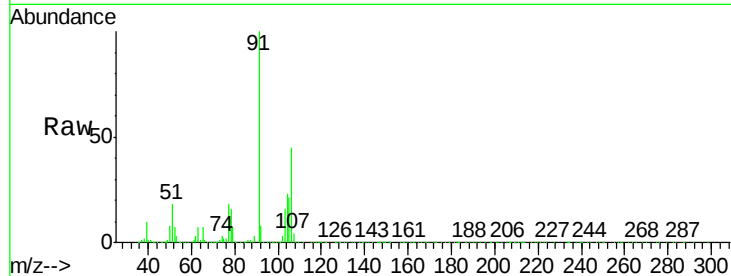




#54
o-Xylene
Concen: 5.364 ug/L
RT: 11.83 min Scan# 1726
Delta R.T. -0.00 min
Lab File: VR025339.D
Acq: 16 Jun 2018 23:33

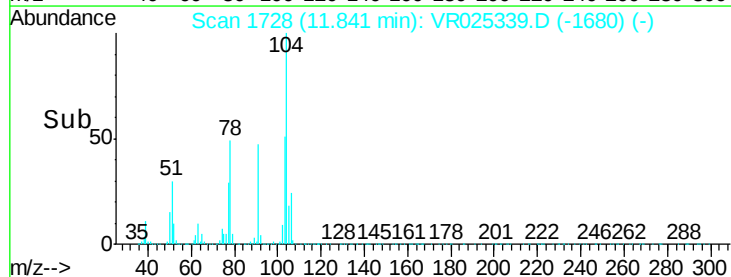
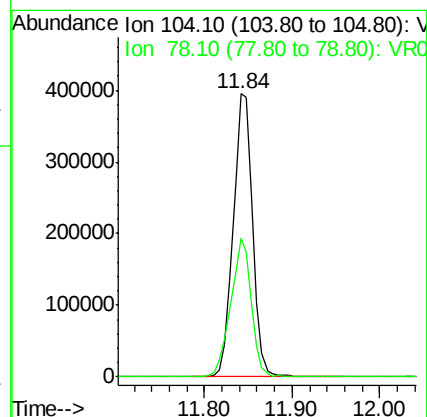
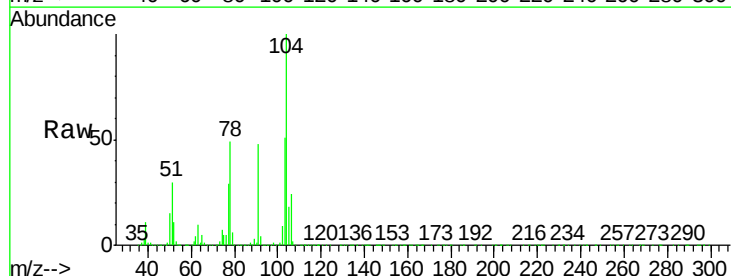
Instrument :
MSVOA_R
ClientSampleId :
VSTD00587

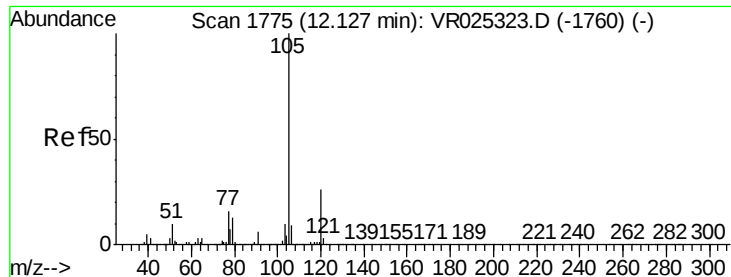
Tgt Ion:106 Resp: 376124
Ion Ratio Lower Upper
106 100
91 219.9 153.7 285.5



#55
Styrene
Concen: 5.662 ug/L
RT: 11.84 min Scan# 1728
Delta R.T. -0.01 min
Lab File: VR025339.D
Acq: 16 Jun 2018 23:33

Tgt Ion:104 Resp: 610248
Ion Ratio Lower Upper
104 100
78 48.8 35.4 65.7





#56

Isopropylbenzene

Concen: 5.443 ug/L

RT: 12.13 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VR025339.D

Acq: 16 Jun 2018 23:33

Instrument :

MSVOA_R

ClientSampleId :

VSTD00587

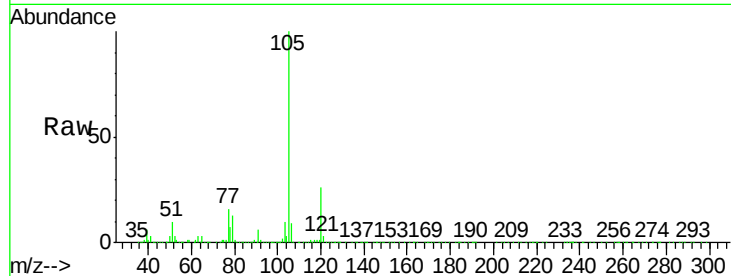
Tgt Ion: 105 Resp: 1026276

Ion Ratio Lower Upper

105 100

120 26.1 20.2 30.4

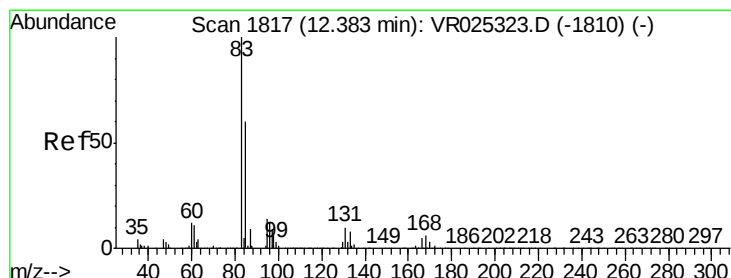
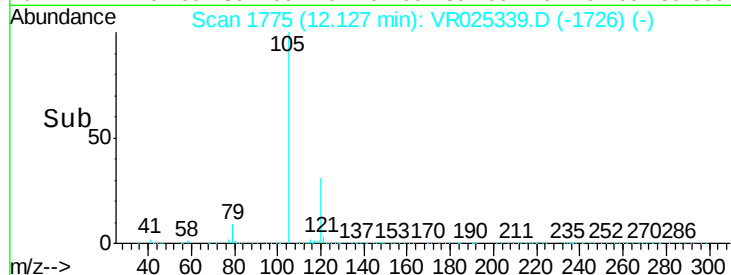
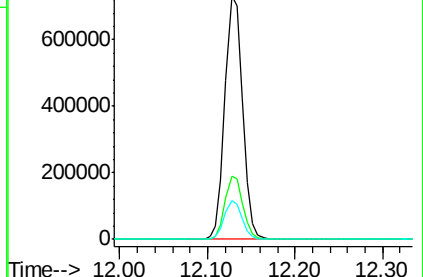
77 16.0 13.0 19.6



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: 5.742 ug/L

RT: 12.38 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VR025339.D

Acq: 16 Jun 2018 23:33

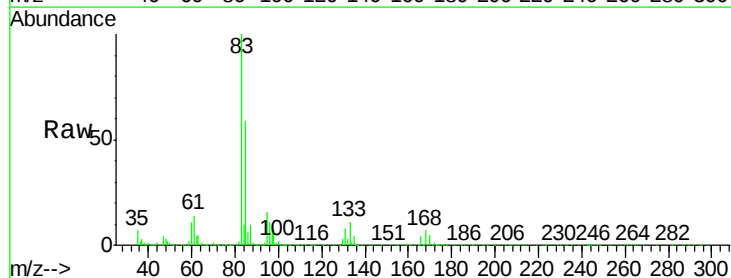
Tgt Ion: 83 Resp: 106084

Ion Ratio Lower Upper

83 100

85 58.8 41.8 77.6

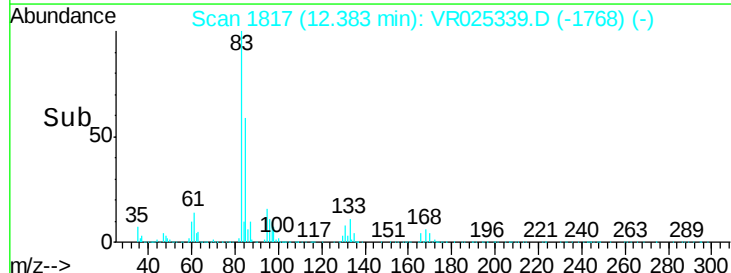
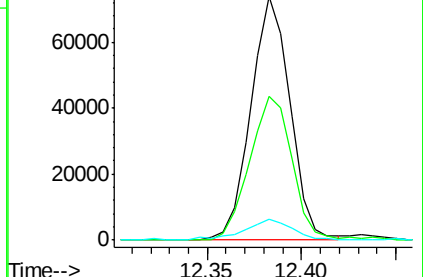
131 8.4 6.1 9.1

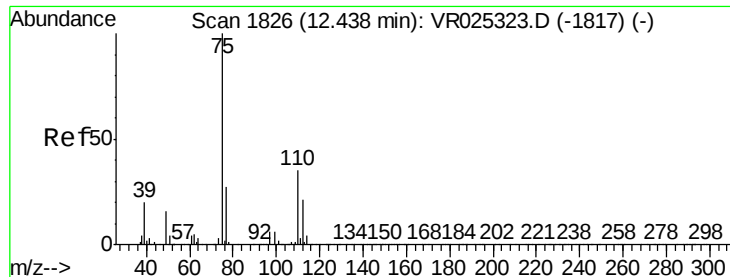


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.180 ug/L

RT: 12.43 min Scan# 1825

Delta R.T. -0.01 min

Lab File: VR025339.D

Acq: 16 Jun 2018 23:33

Instrument :

MSVOA_R

ClientSampleId :

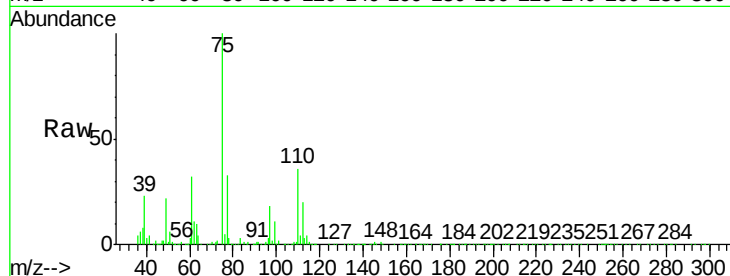
VSTD00587

Tgt Ion: 75 Resp: 69064

Ion Ratio Lower Upper

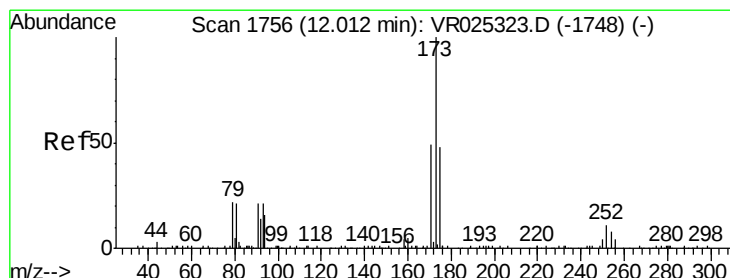
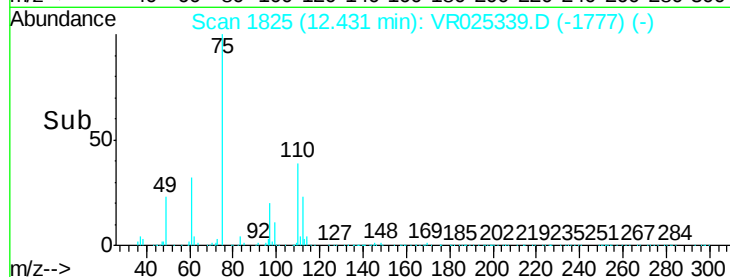
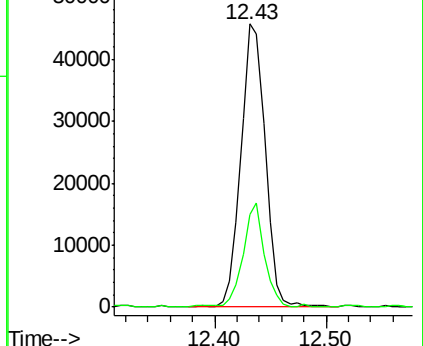
75 100

77 32.2 27.0 40.4



Abundance Ion 75.00 (74.70 to 75.70): VR0

Ion 77.00 (76.70 to 77.70): VR0



#61

Bromoform

Concen: 3.689 ug/L

RT: 12.01 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VR025339.D

Acq: 16 Jun 2018 23:33

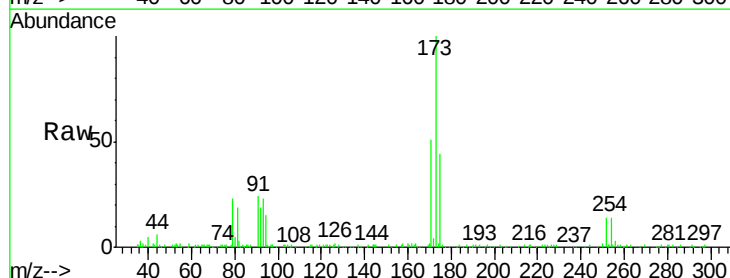
Tgt Ion: 173 Resp: 25593

Ion Ratio Lower Upper

173 100

175 47.6 37.5 56.3

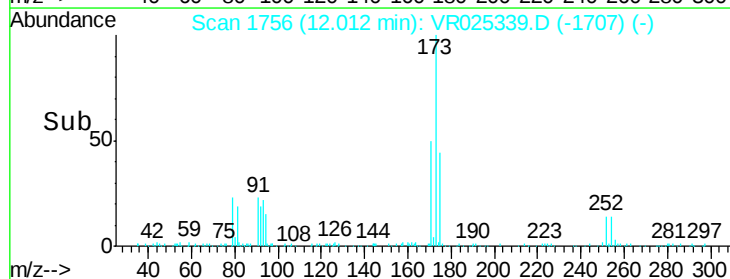
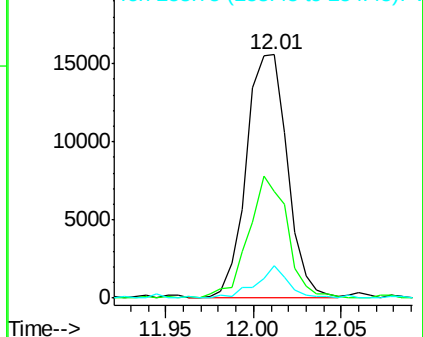
254 10.8 8.7 13.1

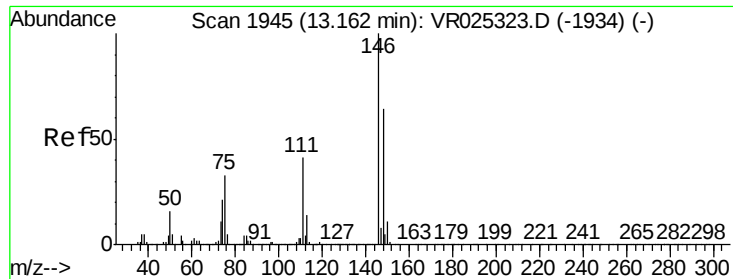


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V

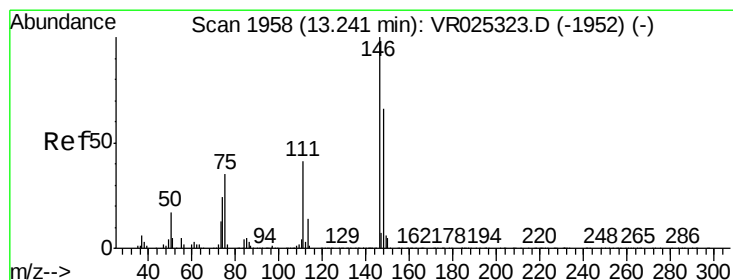
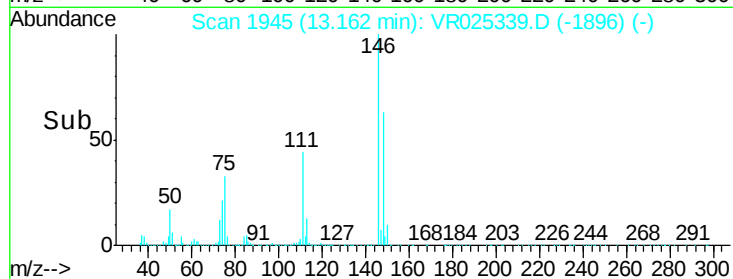
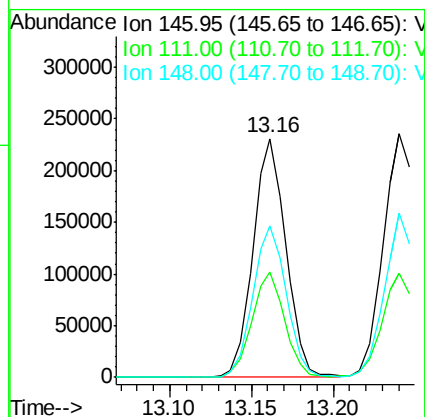
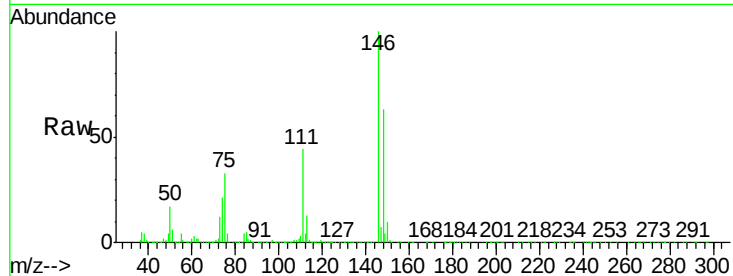




#62
 1,3-Dichlorobenzene
 Concen: 4.745 ug/L
 RT: 13.16 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VR025339.D
 Acq: 16 Jun 2018 23:33

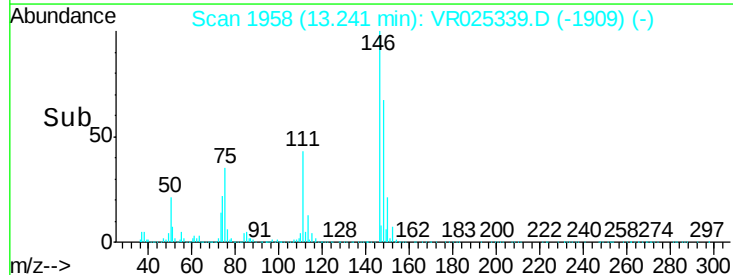
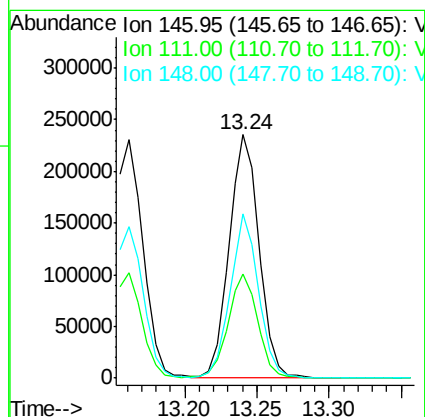
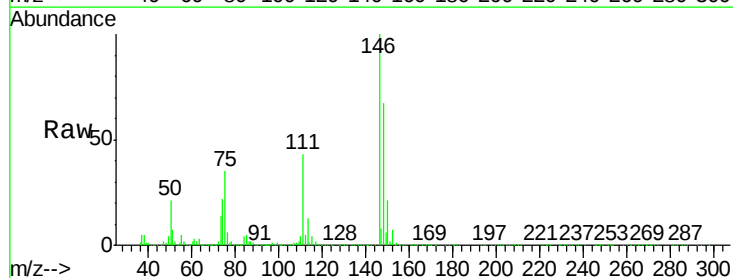
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00587

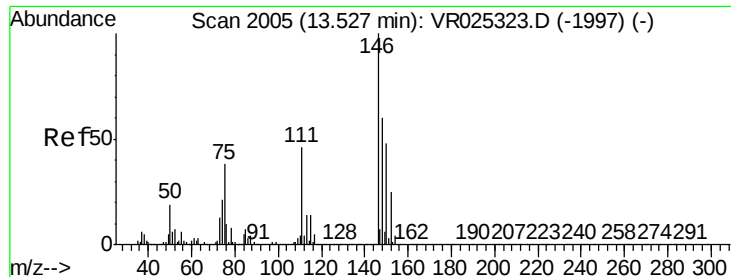
Tgt Ion:146 Resp: 323948
 Ion Ratio Lower Upper
 146 100
 111 44.0 31.0 57.6
 148 63.1 44.8 83.2



#63
 1,4-Dichlorobenzene
 Concen: 5.002 ug/L
 RT: 13.24 min Scan# 1958
 Delta R.T. -0.00 min
 Lab File: VR025339.D
 Acq: 16 Jun 2018 23:33

Tgt Ion:146 Resp: 341413
 Ion Ratio Lower Upper
 146 100
 111 43.0 30.5 56.7
 148 67.2 42.8 79.4

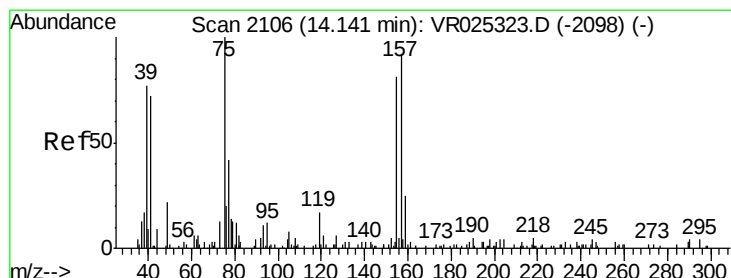
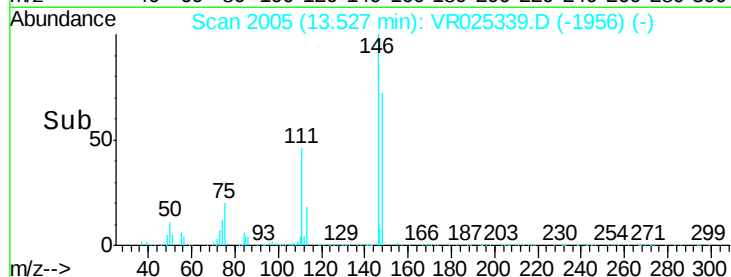
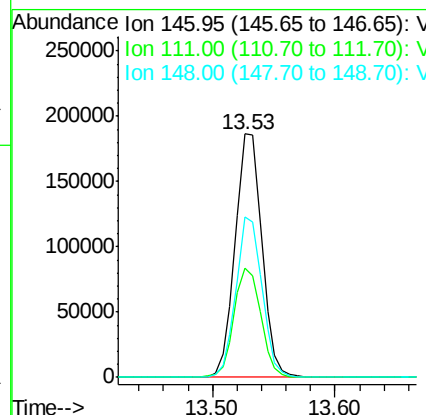
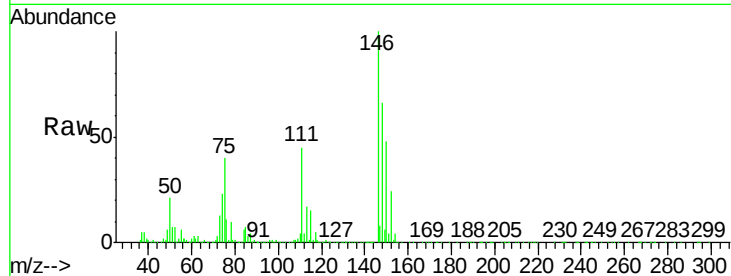




#65
 1,2-Dichlorobenzene
 Concen: 5.127 ug/L
 RT: 13.53 min Scan# 2005
 Delta R.T. -0.00 min
 Lab File: VR025339.D
 Acq: 16 Jun 2018 23:33

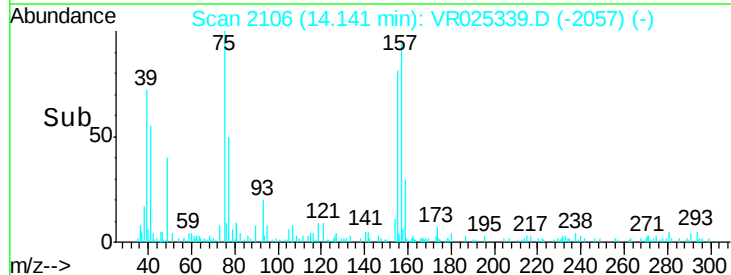
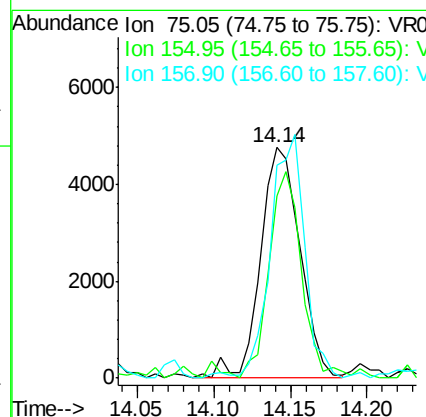
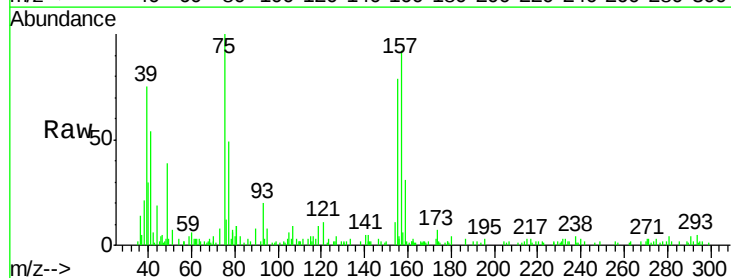
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00587

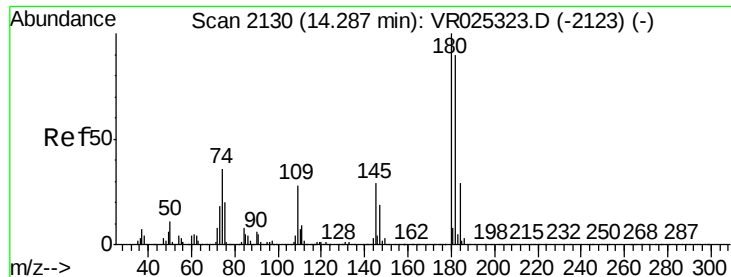
Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.1	35.8	53.8
148	65.9	50.4	75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.957 ug/L
 RT: 14.14 min Scan# 2106
 Delta R.T. -0.00 min
 Lab File: VR025339.D
 Acq: 16 Jun 2018 23:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.2	74.1	111.1
157	92.5	71.0	106.6

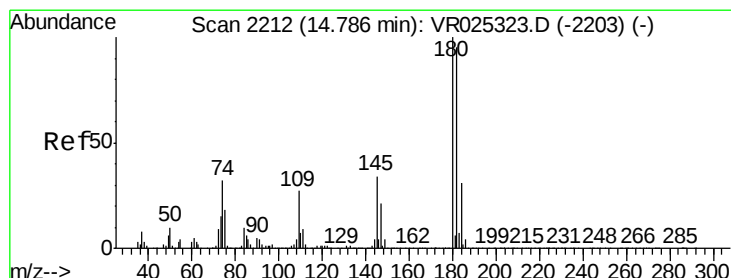
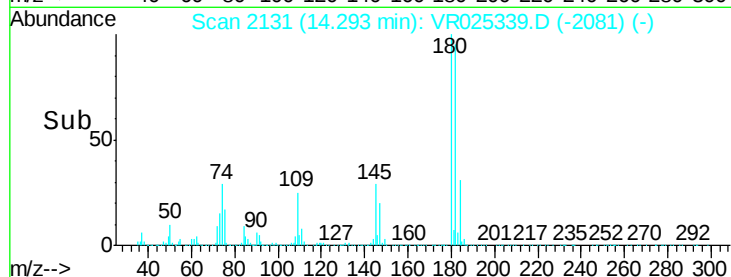
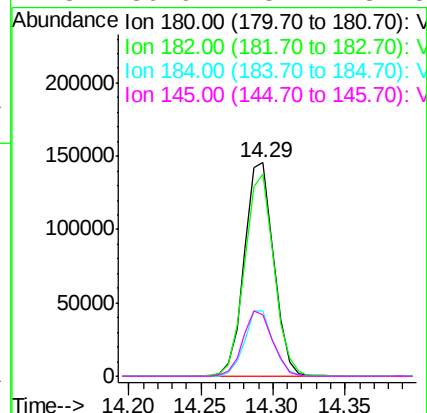
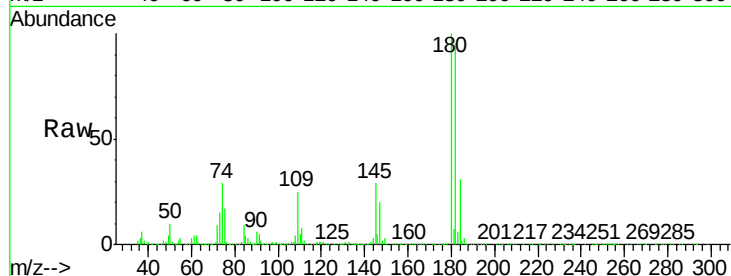




#67
 1,3,5-Trichlorobenzene
 Concen: 4.532 ug/L
 RT: 14.29 min Scan# 2131
 Delta R.T. 0.01 min
 Lab File: VR025339.D
 Acq: 16 Jun 2018 23:33

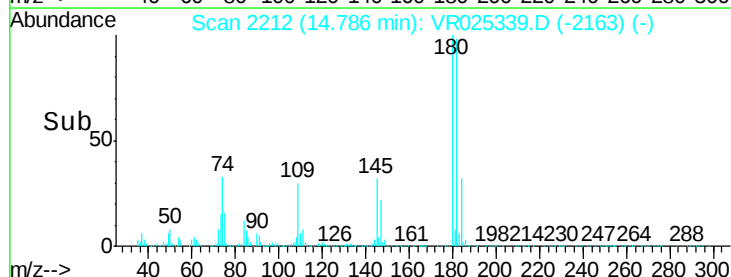
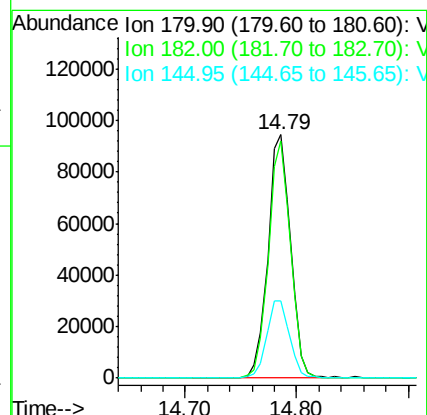
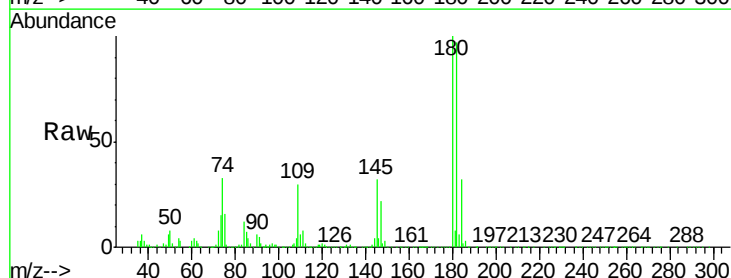
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00587

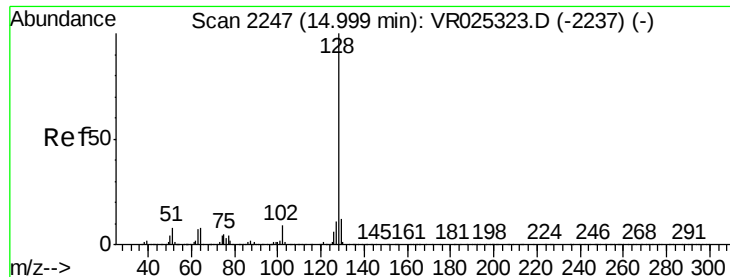
Tgt Ion:	180	Resp:	204874
Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.0	114.0
184	30.2	24.5	36.7
145	30.9	25.2	37.8



#68
 1,2,4-trichlorobenzene
 Concen: 4.265 ug/L
 RT: 14.79 min Scan# 2212
 Delta R.T. -0.00 min
 Lab File: VR025339.D
 Acq: 16 Jun 2018 23:33

Tgt Ion:	180	Resp:	134236
Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.0	112.4
145	32.4	27.3	40.9





#69

Naphthalene

Concen: 4.391 ug/L

RT: 15.00 min Scan# 2248

Delta R.T. 0.01 min

Lab File: VR025339.D

Acq: 16 Jun 2018 23:33

Instrument :

MSVOA_R

ClientSampleId :

VSTD00587

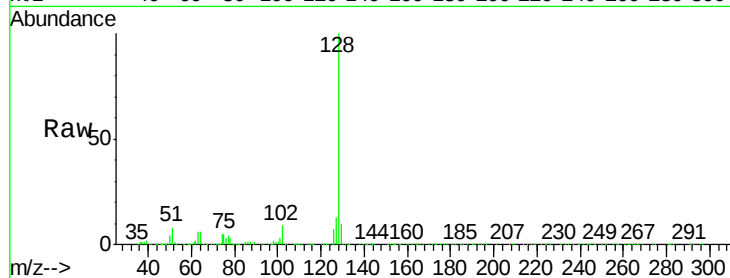
Tgt Ion:128 Resp: 179878

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

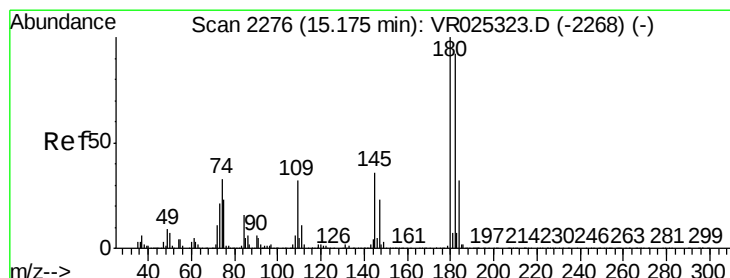
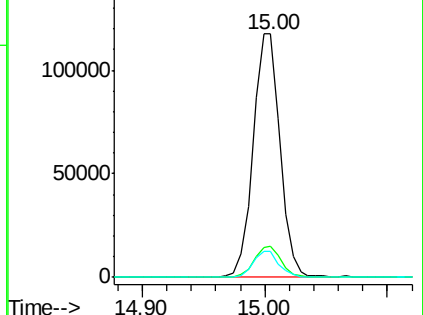
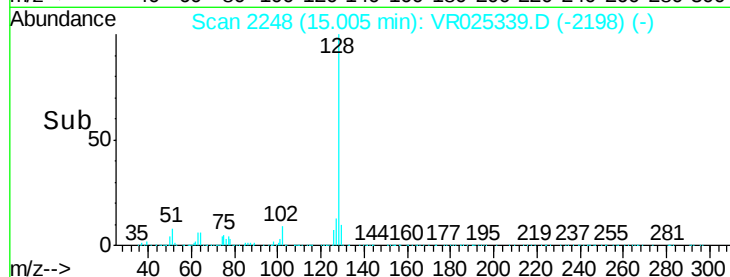
129 10.2 8.6 13.0



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: 4.527 ug/L

RT: 15.18 min Scan# 2277

Delta R.T. 0.01 min

Lab File: VR025339.D

Acq: 16 Jun 2018 23:33

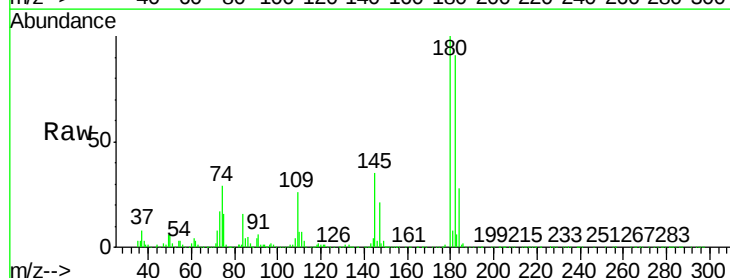
Tgt Ion:180 Resp: 110258

Ion Ratio Lower Upper

180 100

182 95.3 75.2 112.8

145 36.7 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

