

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071618\
 Data File : VR025473.D
 Acq On : 16 Jul 2018 12:47
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00592

Quant Time: Jul 17 01:04:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 13 23:51:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	889004	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	684398	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	266502	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	101174	4.13	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.60%
7) Chloroethane-d5	2.63	69	78981	3.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.60%
11) 1,1-Dichloroethene-d2	3.64	63	311699	4.20	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.00%
20) 2-Butanone-d5	6.59	46	338793	44.50	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.00%
24) Chloroform-d	7.20	84	511850	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.40%
26) 1,2-Dichloroethane-d4	7.90	65	187557	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.80%
32) Benzene-d6	7.86	84	1070029	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	8.90	67	291408	4.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.80%
41) Toluene-d8	9.97	98	967374	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
43) trans-1,3-Dichloropropene-	10.24	79	86880	4.93	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.60%
46) 2-Hexanone-d5	10.59	63	264083	46.42	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.84%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	117578	3.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.20%
64) 1,2-Dichlorobenzene-d4	13.51	152	205284	4.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	234092	4.661 ug/L	100
3) Chloromethane	2.01	50	139552	4.687 ug/L	97
5) Vinyl chloride	2.17	62	123978	4.635 ug/L	97
6) Bromomethane	2.53	94	65322	4.150 ug/L	98
8) Chloroethane	2.66	64	69957	4.200 ug/L	95
9) Trichlorofluoromethane	2.94	101	57589	1.318 ug/L #	3
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	119051	4.474 ug/L	96
12) 1,1-Dichloroethene	3.65	96	120562	4.536 ug/L	97
13) Acetone	3.70	43	146229	42.637 ug/L	99
14) Carbon disulfide	3.96	76	264803	4.378 ug/L	99
15) Methyl Acetate	4.19	43	32698	4.261 ug/L	99
16) Methylene chloride	4.41	84	71366	2.741 ug/L	91
17) Methyl tert-butyl Ether	4.89	73	419617	4.844 ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	299492	4.530 ug/L	99
19) 1,1-Dichloroethane	5.69	63	519120	4.577 ug/L	99
21) 2-Butanone	6.69	43	356925	44.677 ug/L	97
22) cis-1,2-Dichloroethene	6.67	96	290270	4.784 ug/L #	99

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 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00592

Quant Time: Jul 17 01:04:28 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

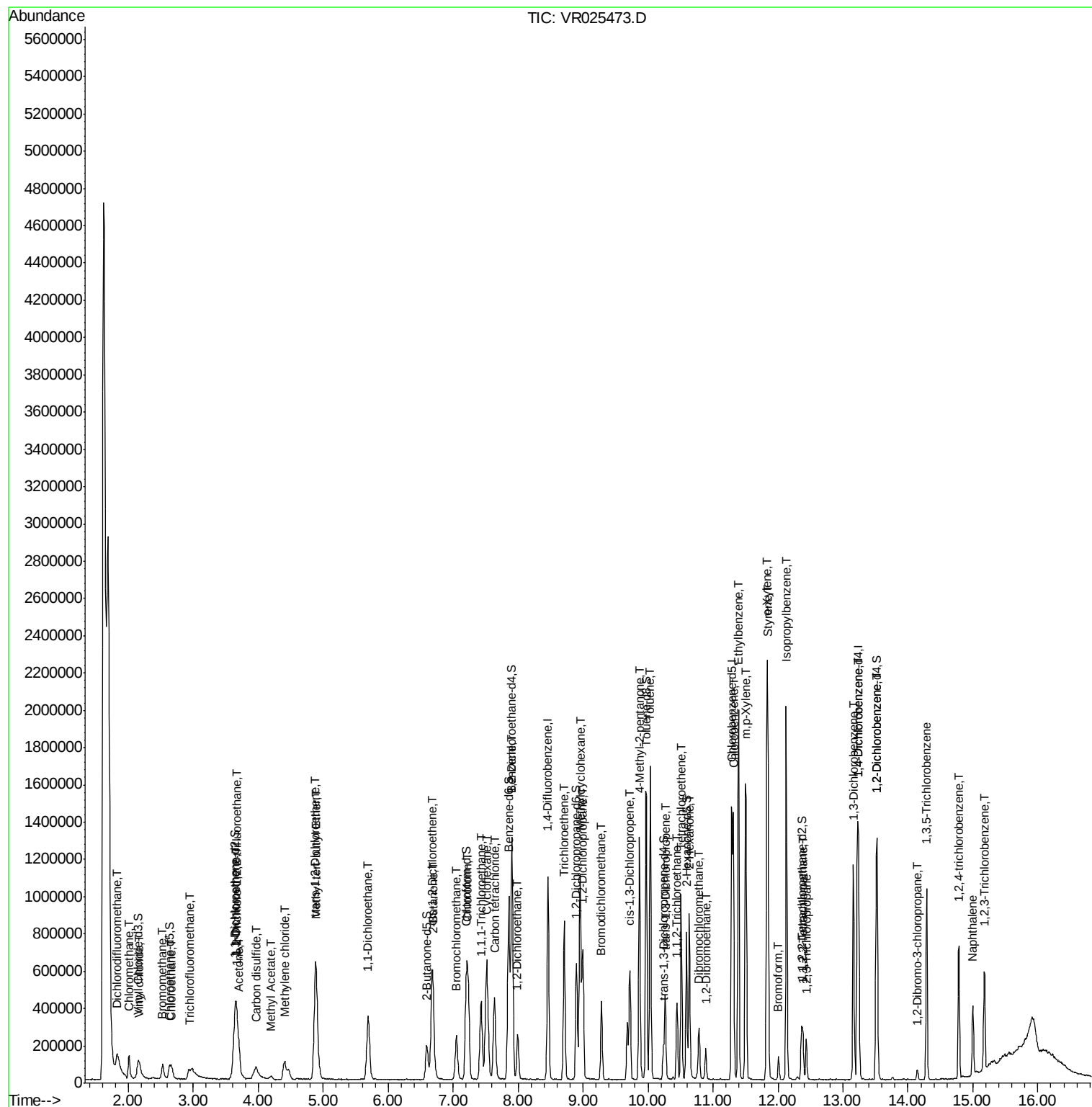
23) Bromochloromethane	7.05	128	88237	4.517	ug/L	91
25) Chloroform	7.23	83	482733	4.431	ug/L	100
27) 1,2-Dichloroethane	7.99	62	208260	4.264	ug/L #	92
29) 1,1,1-Trichloroethane	7.43	97	364144	5.231	ug/L	99
30) Cyclohexane	7.52	56	449678	6.021	ug/L	96
31) Carbon tetrachloride	7.64	117	337975	5.488	ug/L	98
33) Benzene	7.91	78	1134724	4.810	ug/L	100
34) Trichloroethene	8.71	95	292877	4.877	ug/L	98
35) Methylcyclohexane	8.96	83	471352	5.870	ug/L	96
37) 1,2-Dichloropropane	8.99	63	249201	4.545	ug/L	99
38) Bromodichloromethane	9.28	83	273313	4.890	ug/L	100
39) cis-1,3-Dichloropropene	9.72	75	327280	5.308	ug/L	99
40) 4-Methyl-2-pentanone	9.86	43	806801	50.771	ug/L	95
42) Toluene	10.03	91	1135715	4.951	ug/L	99
44) trans-1,3-Dichloropropene	10.27	75	230311	5.086	ug/L	96
45) 1,1,2-Trichloroethane	10.44	97	118043	4.394	ug/L	95
47) Tetrachloroethene	10.52	164	198402	5.059	ug/L	96
48) 2-Hexanone	10.64	43	534820	48.925	ug/L	97
49) Dibromochloromethane	10.78	129	131316	4.688	ug/L	96
50) 1,2-Dibromoethane	10.89	107	103336	4.748	ug/L #	98
51) Chlorobenzene	11.31	112	655010	4.689	ug/L	97
52) Ethylbenzene	11.39	91	1275062	5.183	ug/L	99
53) m,p-Xylene	11.50	106	478612	5.185	ug/L	95
54) o-Xylene	11.83	106	439758	5.531	ug/L	98
55) Styrene	11.85	104	666110	5.092	ug/L	94
56) Isopropylbenzene	12.13	105	1195508	5.678	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.38	83	116232	4.392	ug/L #	97
59) 1,2,3-Trichloropropane	12.43	75	86058	4.517	ug/L	100
61) Bromoform	12.01	173	49306	4.543	ug/L	99
62) 1,3-Dichlorobenzene	13.16	146	411434	5.269	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	405837	4.682	ug/L	95
65) 1,2-Dichlorobenzene	13.53	146	325771	4.801	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.15	75	12902	4.298	ug/L #	83
67) 1,3,5-Trichlorobenzene	14.29	180	264456	5.186	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	181971	5.191	ug/L	98
69) Naphthalene	15.00	128	261623	5.828	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	142608	5.274	ug/L	96

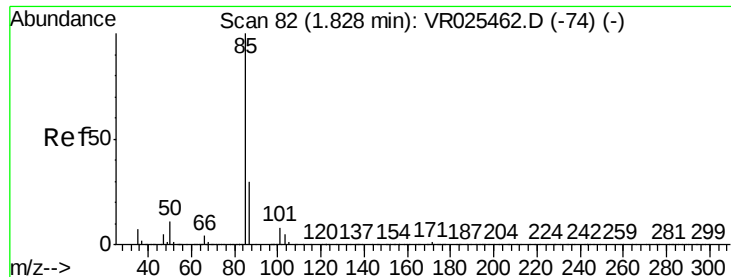
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Client Sample ID :
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#2

Dichlorodifluoromethane

Concen: 4.661 ug/L

RT: 1.83 min Scan# 83

Delta R.T. 0.01 min

Lab File: VR025473.D

Acq: 16 Jul 2018 12:47

Instrument :

MSVOA_R

ClientSampleId :

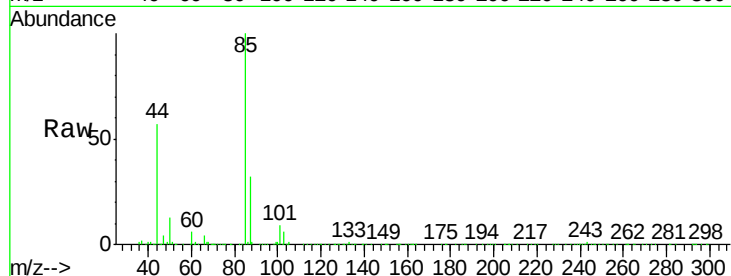
VSTD00592

Tgt Ion: 85 Resp: 234092

Ion Ratio Lower Upper

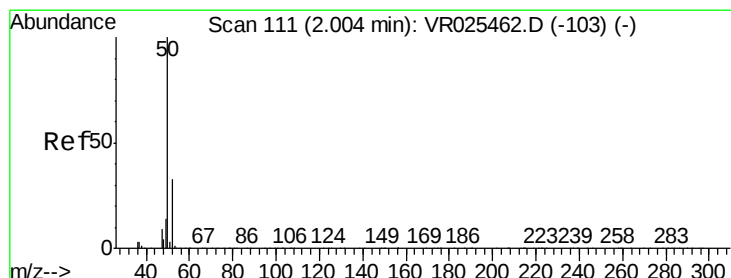
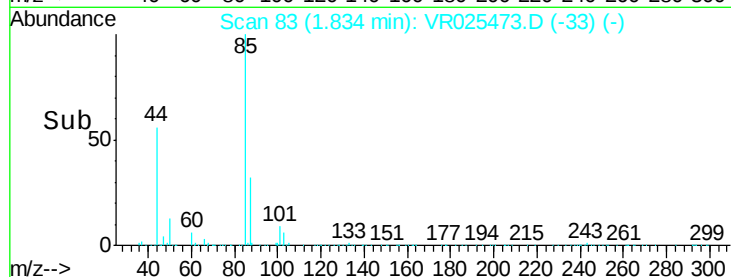
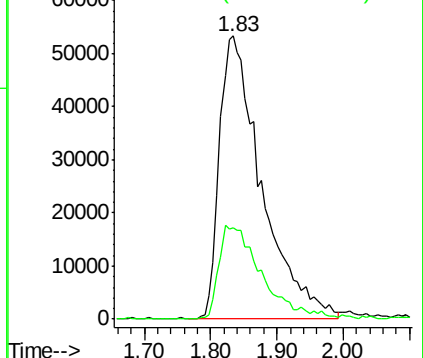
85 100

87 31.7 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 4.687 ug/L

RT: 2.01 min Scan# 112

Delta R.T. 0.01 min

Lab File: VR025473.D

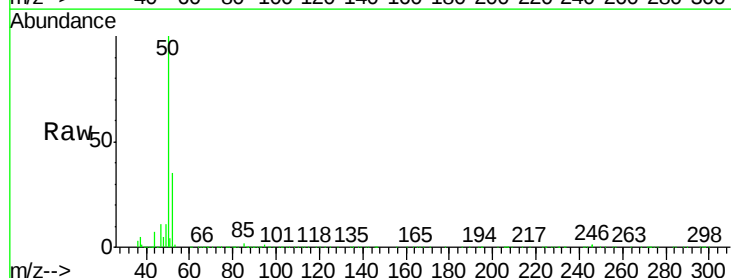
Acq: 16 Jul 2018 12:47

Tgt Ion: 50 Resp: 139552

Ion Ratio Lower Upper

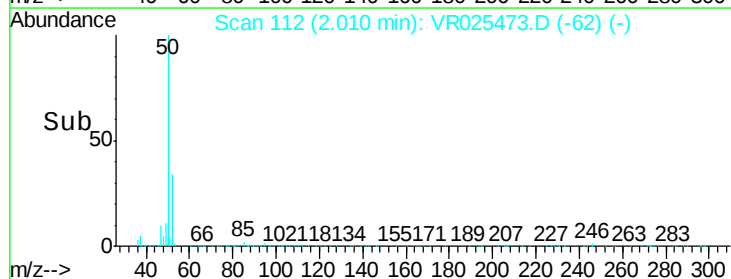
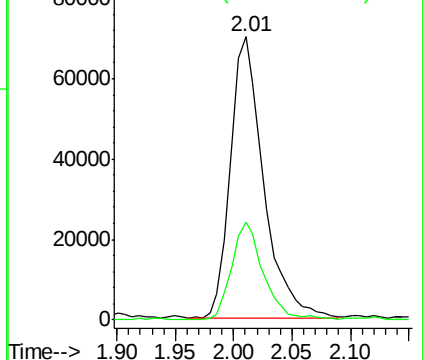
50 100

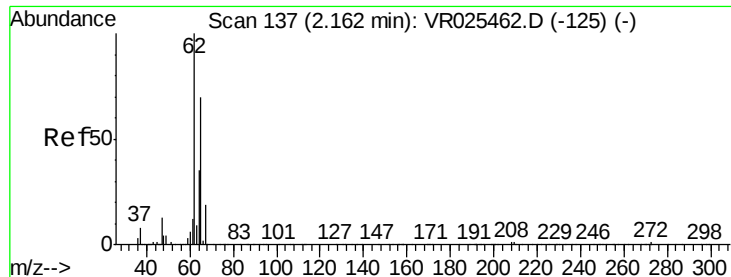
52 34.5 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 4.635 ug/L

RT: 2.17 min Scan# 138

Delta R.T. 0.01 min

Lab File: VR025473.D

Acq: 16 Jul 2018 12:47

Instrument :

MSVOA_R

ClientSampleId :

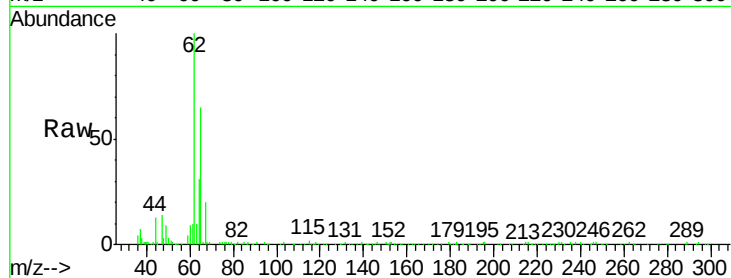
VSTD00592

Tgt Ion: 62 Resp: 123978

Ion Ratio Lower Upper

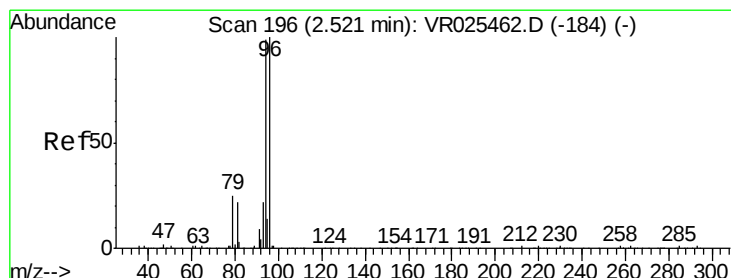
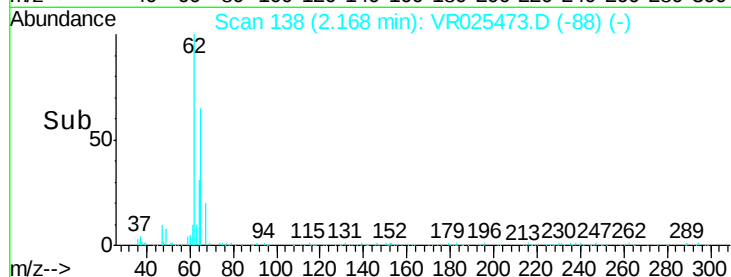
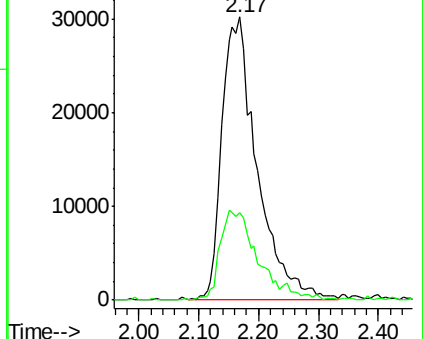
62 100

64 31.0 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0



#6

Bromomethane

Concen: 4.150 ug/L

RT: 2.53 min Scan# 197

Delta R.T. 0.01 min

Lab File: VR025473.D

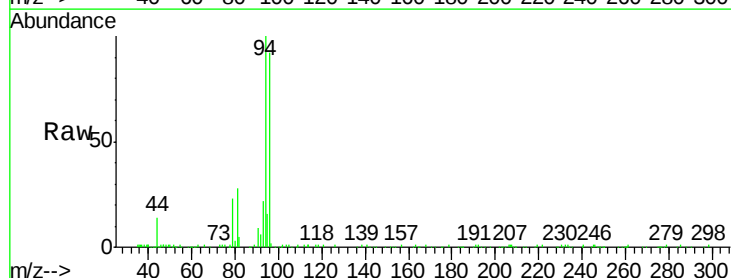
Acq: 16 Jul 2018 12:47

Tgt Ion: 94 Resp: 65322

Ion Ratio Lower Upper

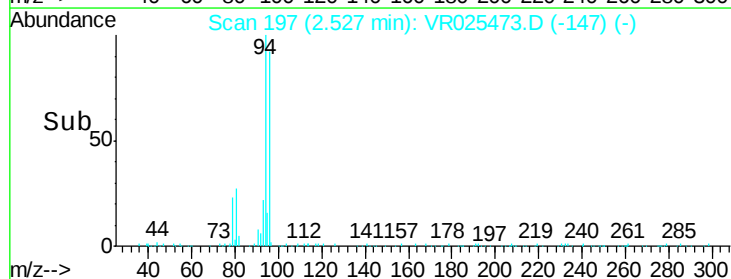
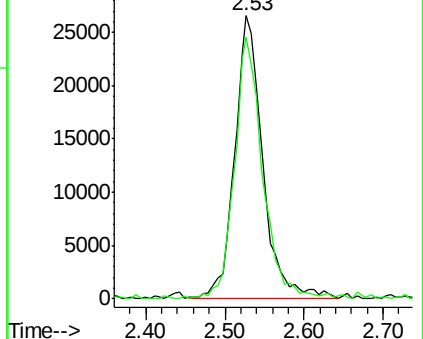
94 100

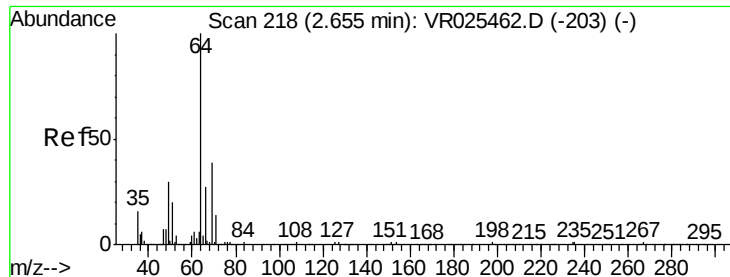
96 92.4 65.9 122.3



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0





#8

Chloroethane

Concen: 4.200 ug/L

RT: 2.66 min Scan# 219

Delta R.T. 0.01 min

Lab File: VR025473.D

Acq: 16 Jul 2018 12:47

Instrument :

MSVOA_R

ClientSampleId :

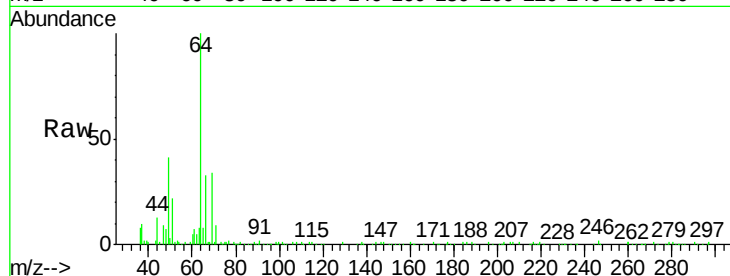
VSTD00592

Tgt Ion: 64 Resp: 69957

Ion Ratio Lower Upper

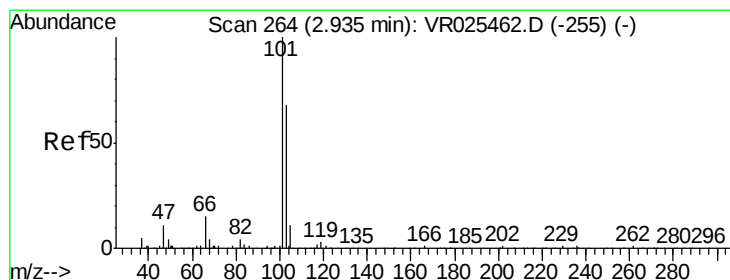
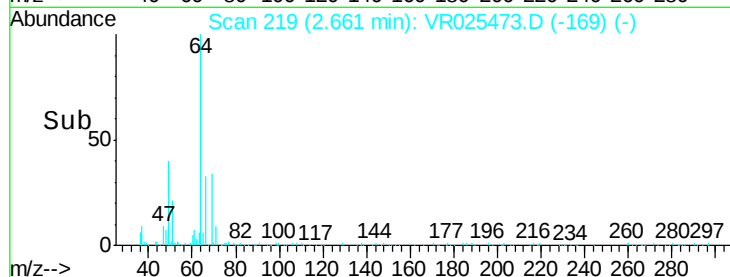
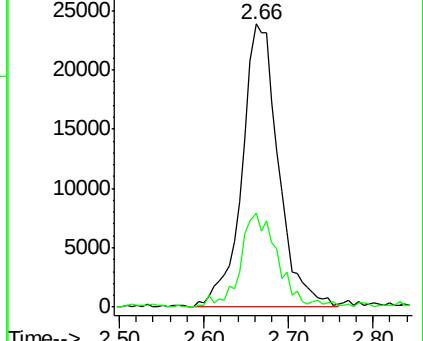
64 100

66 33.2 21.3 39.5



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0



#9

Trichlorofluoromethane

Concen: 1.318 ug/L

RT: 2.94 min Scan# 265

Delta R.T. 0.01 min

Lab File: VR025473.D

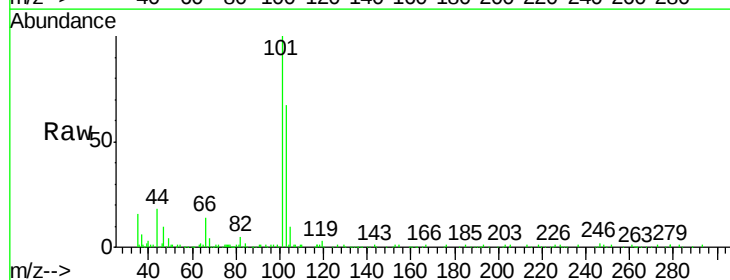
Acq: 16 Jul 2018 12:47

Tgt Ion: 101 Resp: 57589

Ion Ratio Lower Upper

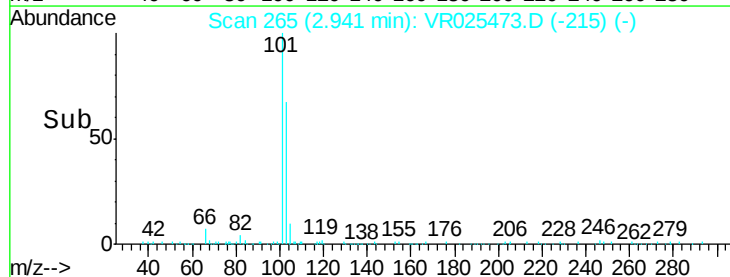
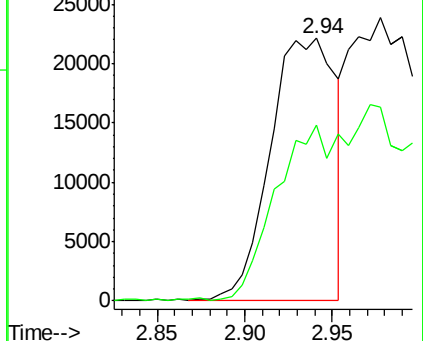
101 100

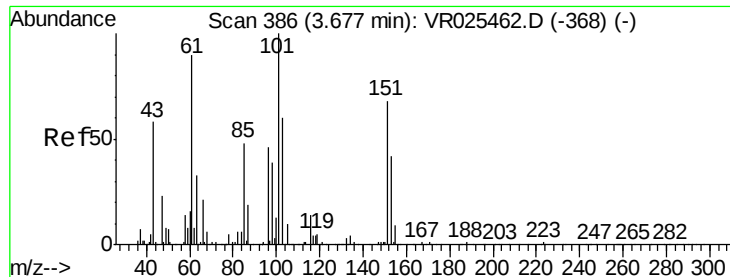
103 53.1 11.0 16.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 4.474 ug/L

RT: 3.68 min Scan# 386

Delta R.T. 0.00 min

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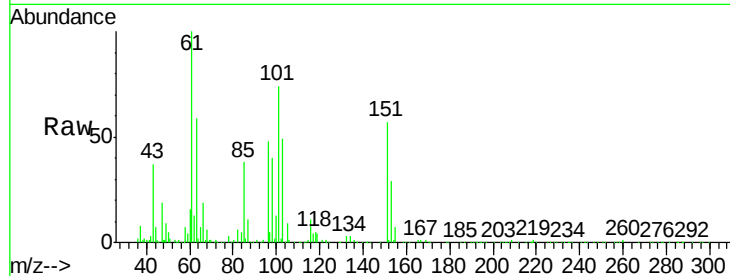
Tgt Ion: 101 Resp: 119051

Ion Ratio Lower Upper

101 100

85 49.4 39.1 58.7

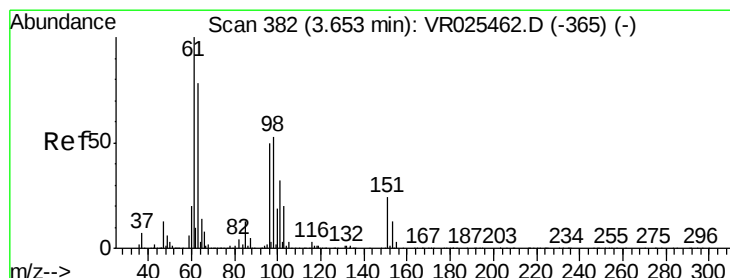
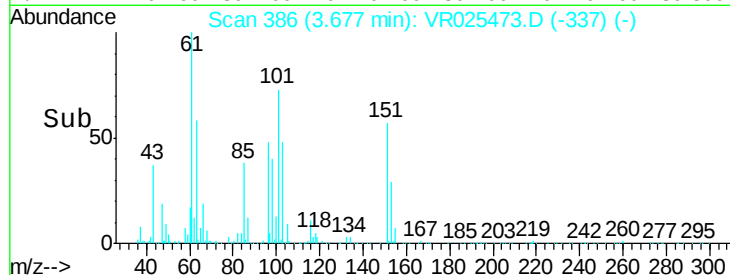
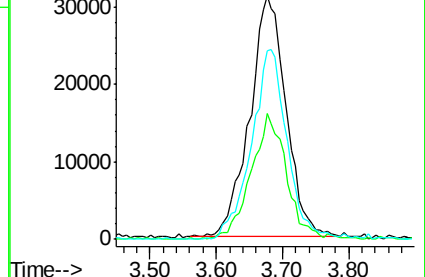
151 76.9 57.5 86.3



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: 4.536 ug/L

RT: 3.65 min Scan# 382

Delta R.T. 0.00 min

Lab File: VR025473.D

Acq: 16 Jul 2018 12:47

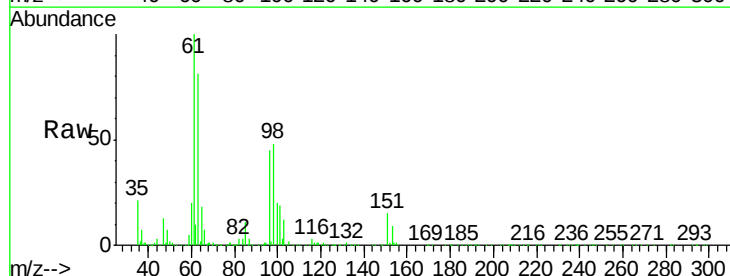
Tgt Ion: 96 Resp: 120562

Ion Ratio Lower Upper

96 100

61 224.4 155.0 287.9

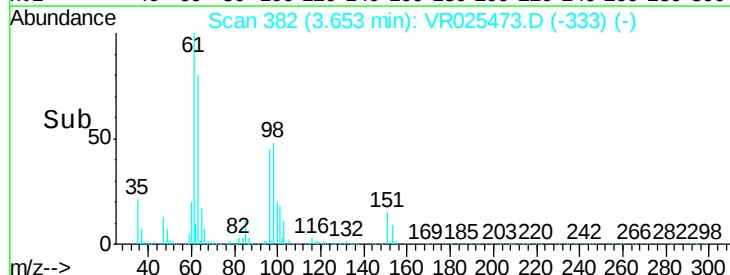
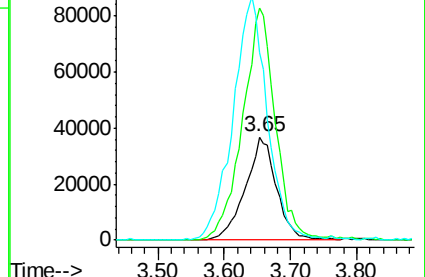
63 180.8 122.3 227.1

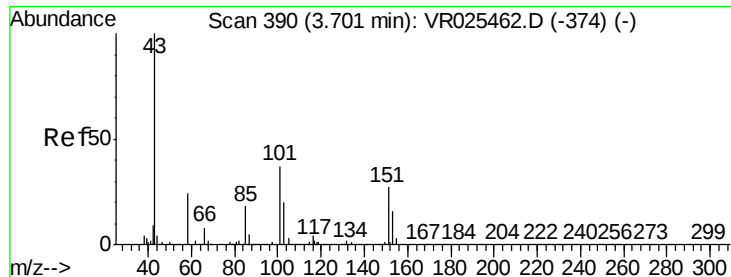


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 42.637 ug/L

RT: 3.70 min Scan# 390

Delta R.T. 0.00 min

Lab File: VR025473.D

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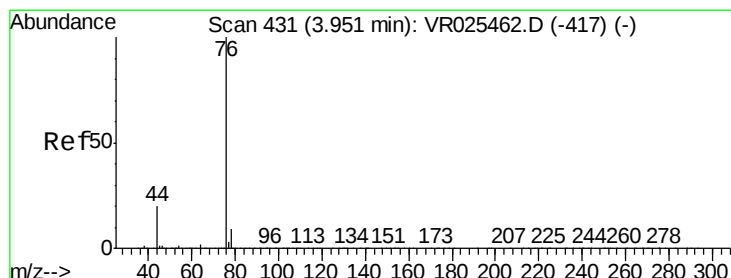
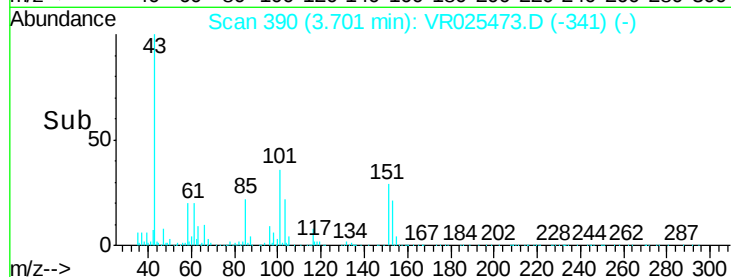
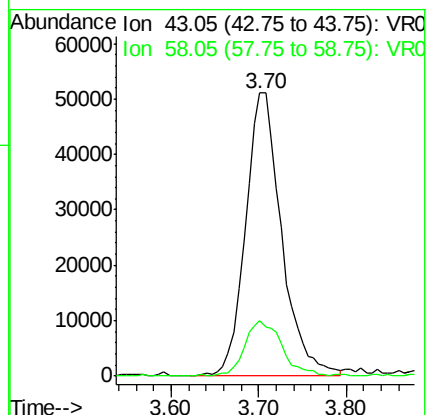
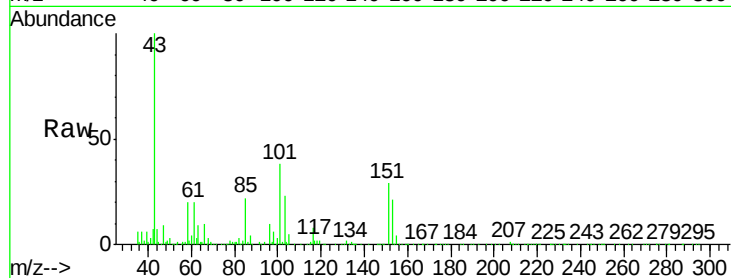
VSTD00592

Tgt Ion: 43 Resp: 146229

Ion Ratio Lower Upper

43 100

58 20.3 0.0 41.6



#14

Carbon disulfide

Concen: 4.378 ug/L

RT: 3.96 min Scan# 433

Delta R.T. 0.01 min

Lab File: VR025473.D

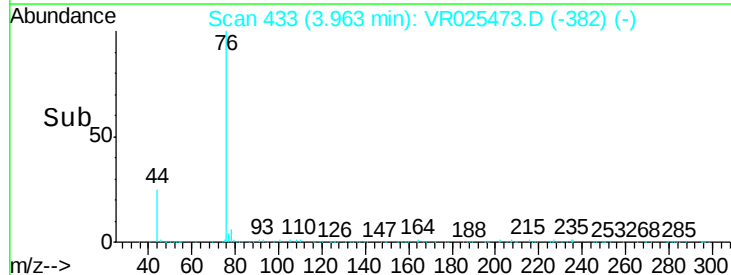
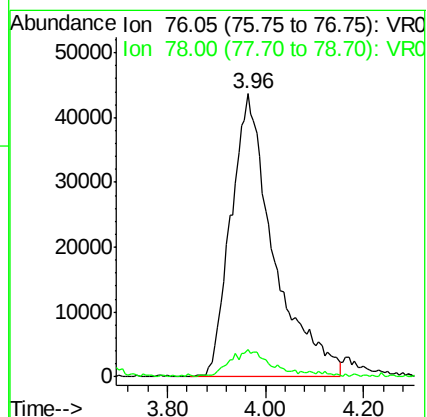
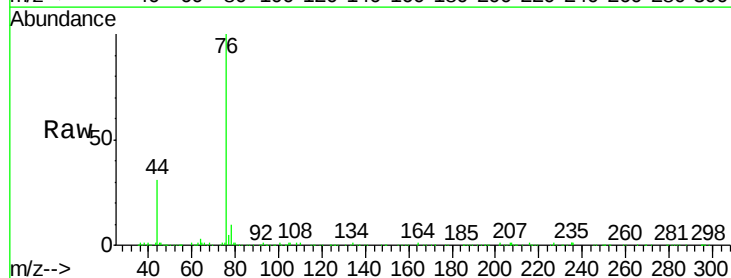
Acq: 16 Jul 2018 12:47

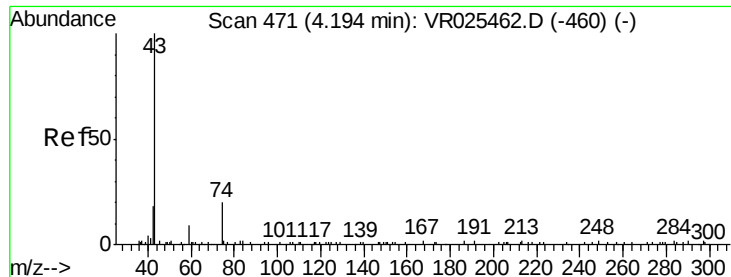
Tgt Ion: 76 Resp: 264803

Ion Ratio Lower Upper

76 100

78 9.7 7.4 11.2





#15

Methyl Acetate

Concen: 4.261 ug/L

RT: 4.19 min Scan# 471

Delta R.T. 0.00 min

Lab File: VR025473.D

Acq: 16 Jul 2018 12:47

Instrument :

MSVOA_R

ClientSampleId :

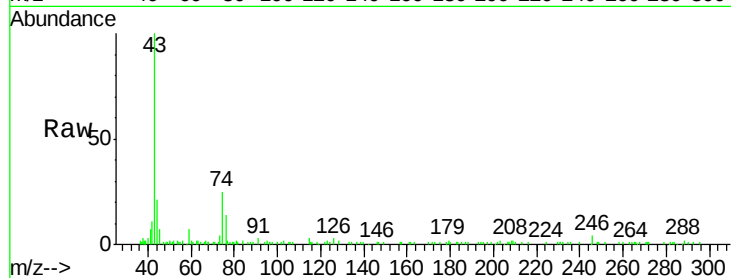
VSTD00592

Tgt Ion: 43 Resp: 32698

Ion Ratio Lower Upper

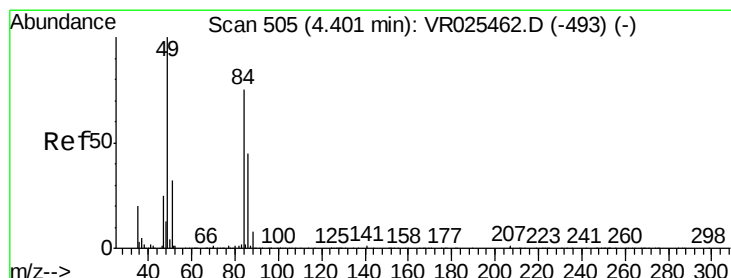
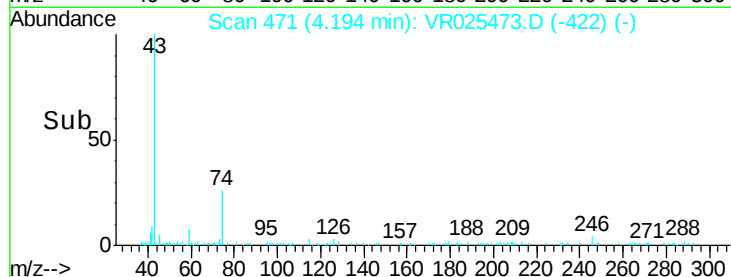
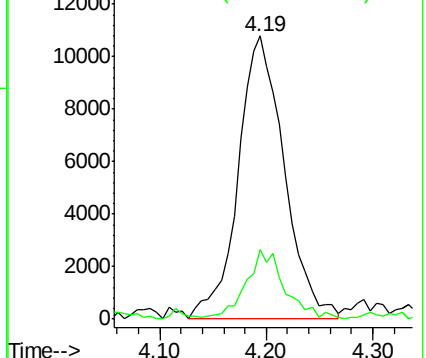
43 100

74 20.7 16.7 25.1



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0



#16

Methylene chloride

Concen: 2.741 ug/L

RT: 4.41 min Scan# 506

Delta R.T. 0.01 min

Lab File: VR025473.D

Acq: 16 Jul 2018 12:47

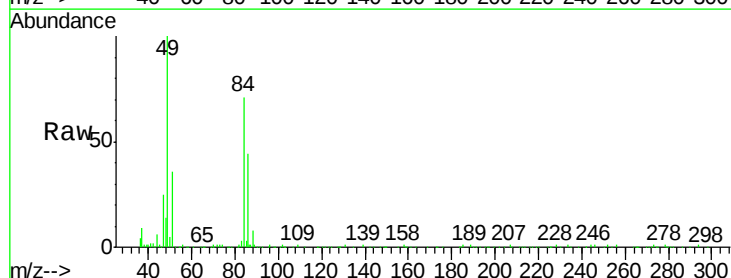
Tgt Ion: 84 Resp: 71366

Ion Ratio Lower Upper

84 100

86 62.0 43.7 81.1

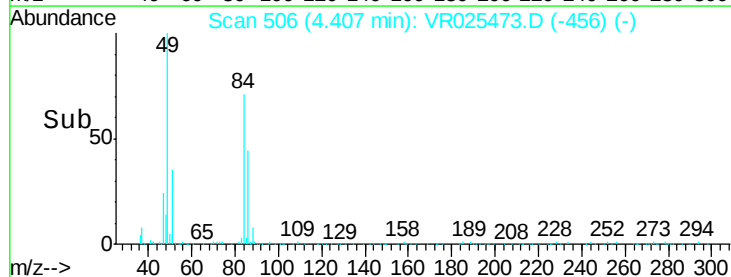
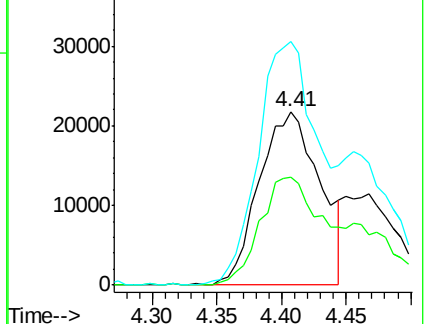
49 140.2 87.2 162.0

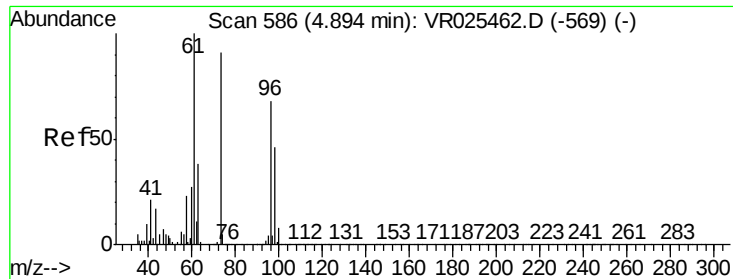


Abundance Ion 84.05 (83.75 to 84.75): VR0

Ion 86.00 (85.70 to 86.70): VR0

Ion 49.10 (48.80 to 49.80): VR0

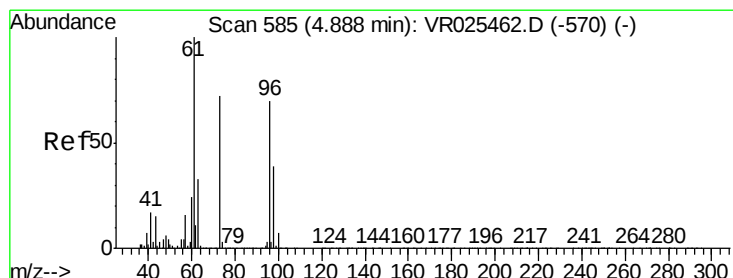
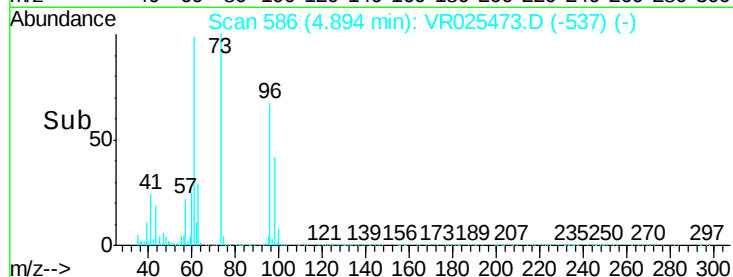
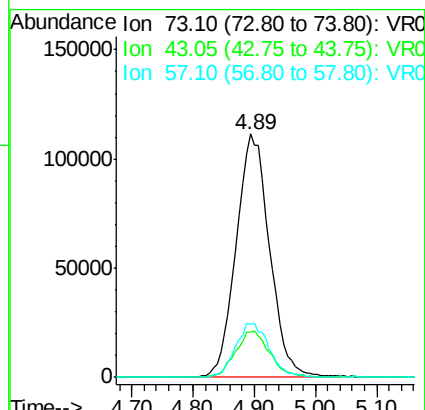
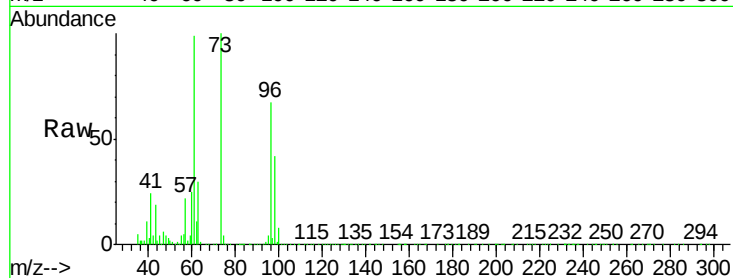




#17
Methyl tert-butyl Ether
Concen: 4.844 ug/L
RT: 4.89 min Scan# 586
Delta R.T. 0.00 min
Lab File: VR025473.D
Acq: 16 Jul 2018 12:47

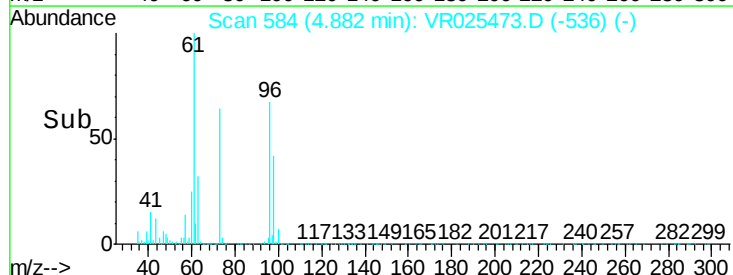
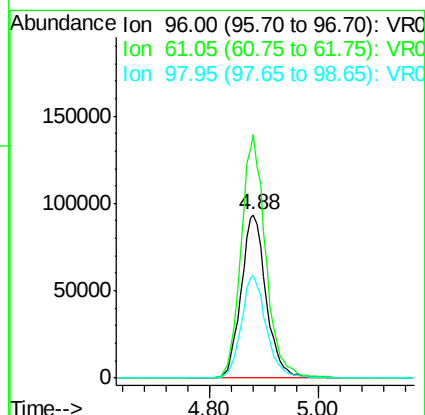
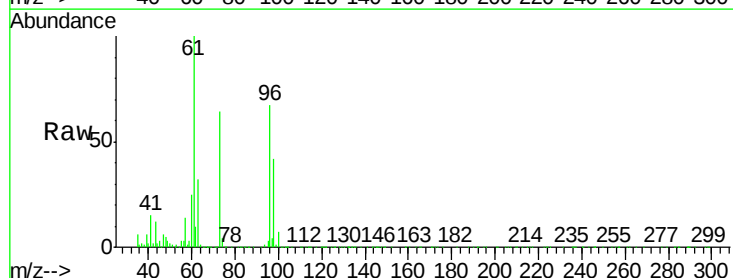
Instrument :
MSVOA_R
ClientSampleId :
VSTD00592

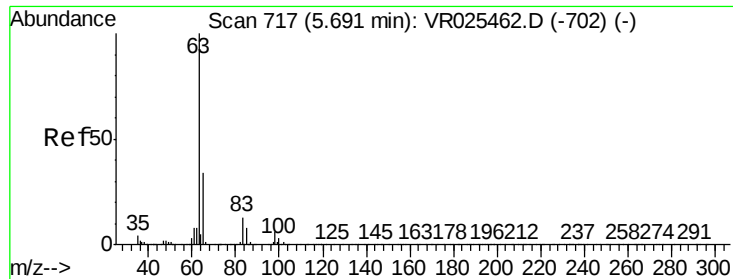
Tgt Ion: 73 Resp: 419617
Ion Ratio Lower Upper
73 100
43 19.4 15.8 23.6
57 22.5 19.0 28.4



#18
trans-1,2-Dichloroethene
Concen: 4.530 ug/L
RT: 4.88 min Scan# 584
Delta R.T. -0.01 min
Lab File: VR025473.D
Acq: 16 Jul 2018 12:47

Tgt Ion: 96 Resp: 299492
Ion Ratio Lower Upper
96 100
61 149.2 104.4 193.8
98 62.9 43.1 80.1

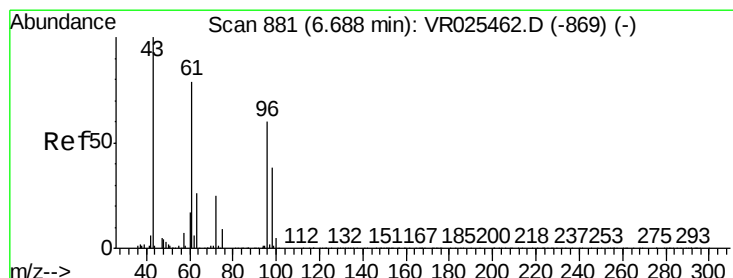
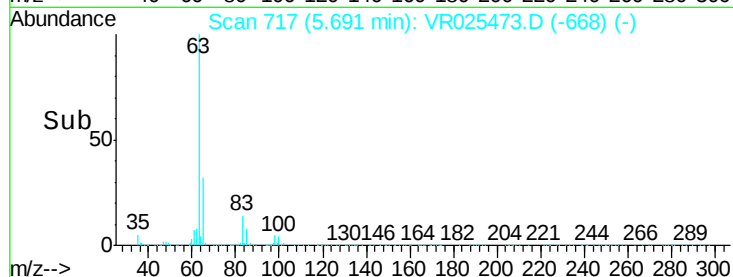
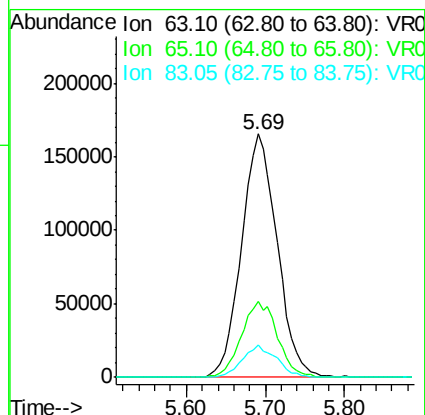
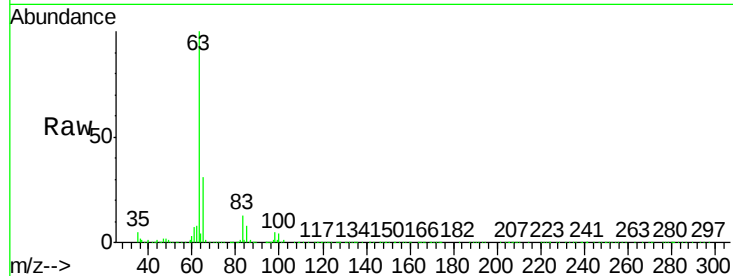




#19
 1,1-Dichloroethane
 Concen: 4.577 ug/L
 RT: 5.69 min Scan# 717
 Delta R.T. 0.00 min
 Lab File: VR025473.D
 Acq: 16 Jul 2018 12:47

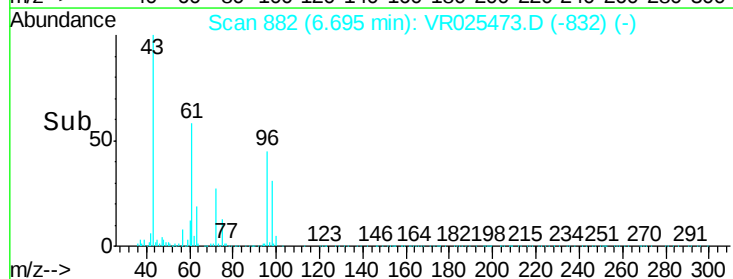
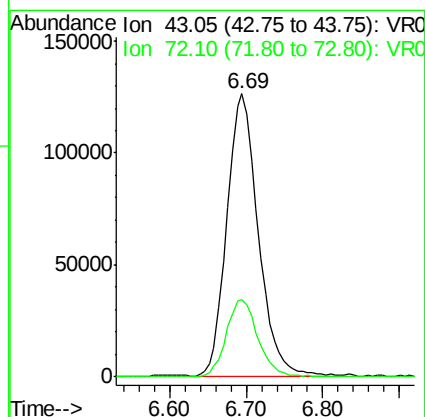
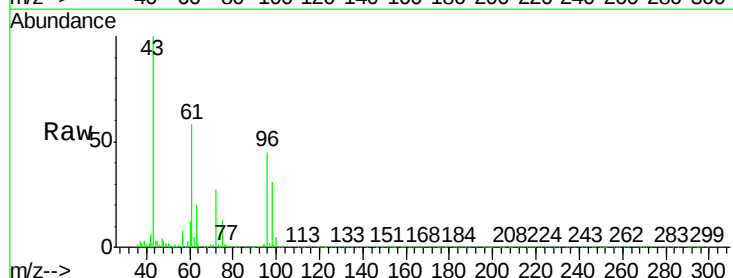
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00592

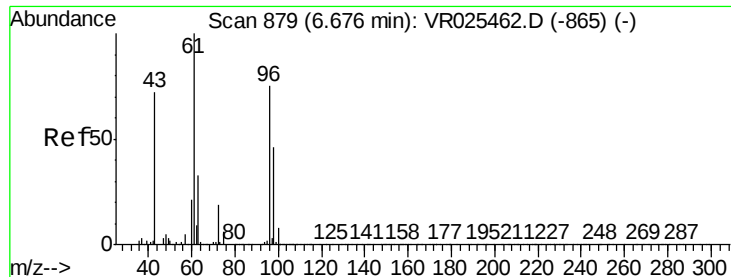
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.4	22.5	41.7
83	13.5	9.5	17.7



#21
 2-Butanone
 Concen: 44.677 ug/L
 RT: 6.69 min Scan# 882
 Delta R.T. 0.01 min
 Lab File: VR025473.D
 Acq: 16 Jul 2018 12:47

Tgt Ion	Ratio	Lower	Upper
43	100		
72	27.7	13.0	38.9



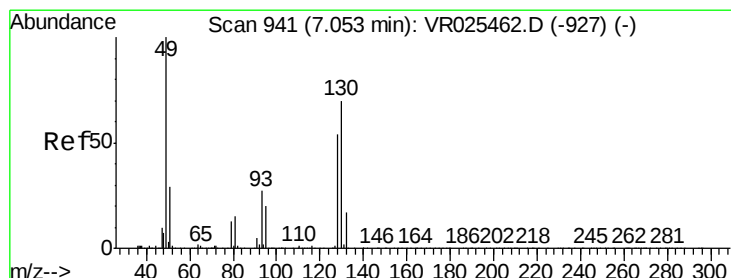
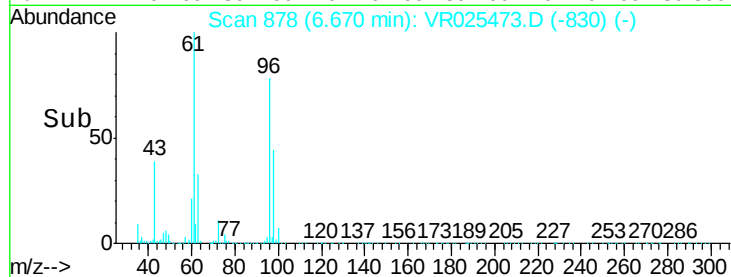
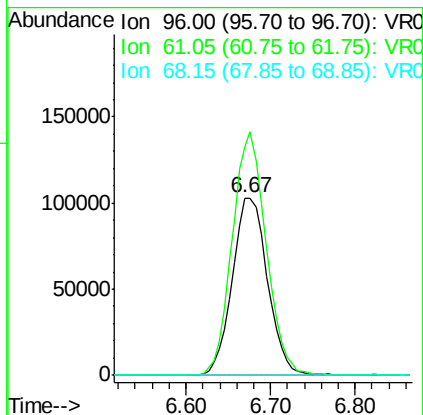
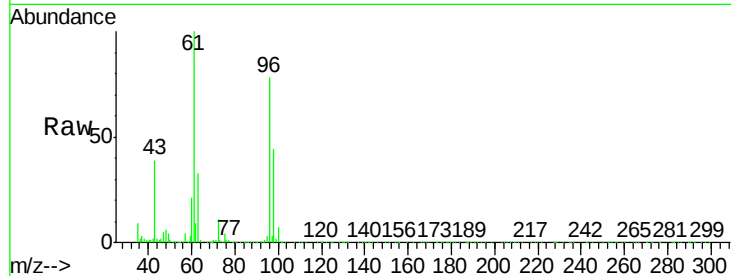


#22

cis-1,2-Dichloroethene
Concen: 4.784 ug/L
RT: 6.67 min Scan# 878
Delta R.T. -0.01 min
Lab File: VR025473.D
Acq: 16 Jul 2018 12:47

Instrument :
MSVOA_R
ClientSampleId :
VSTD00592

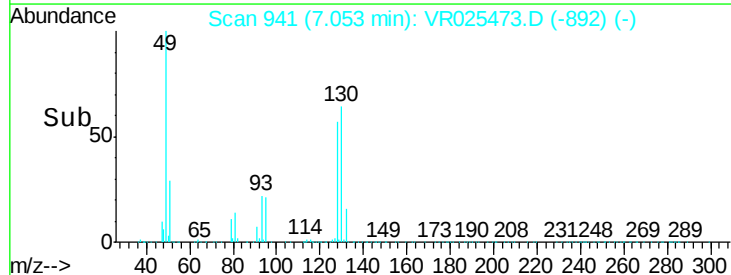
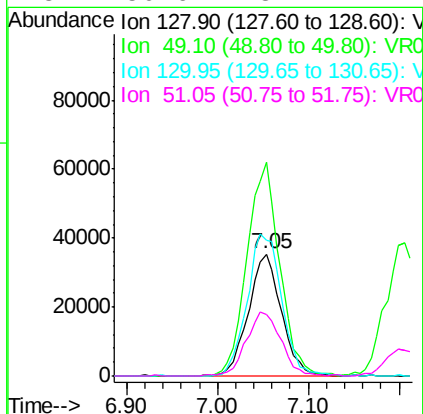
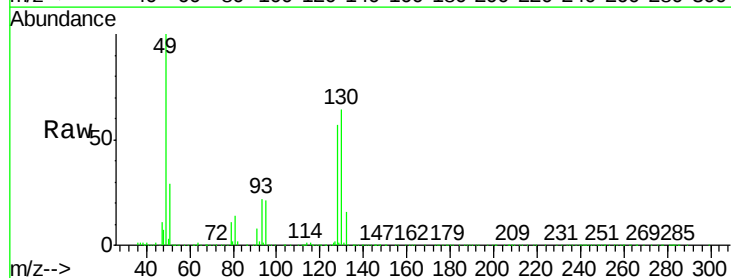
Tgt Ion: 96 Resp: 290270
Ion Ratio Lower Upper
96 100
61 128.4 91.0 169.0
68 0.2 0.0 0.0#

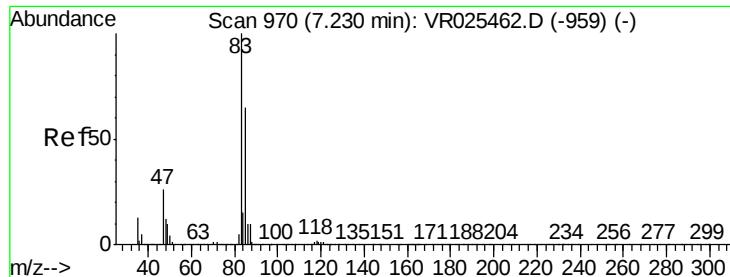


#23

Bromochloromethane
Concen: 4.517 ug/L
RT: 7.05 min Scan# 941
Delta R.T. 0.00 min
Lab File: VR025473.D
Acq: 16 Jul 2018 12:47

Tgt Ion: 128 Resp: 88237
Ion Ratio Lower Upper
128 100
49 174.9 128.7 238.9
130 111.5 87.2 161.9
51 50.6 48.2 72.2

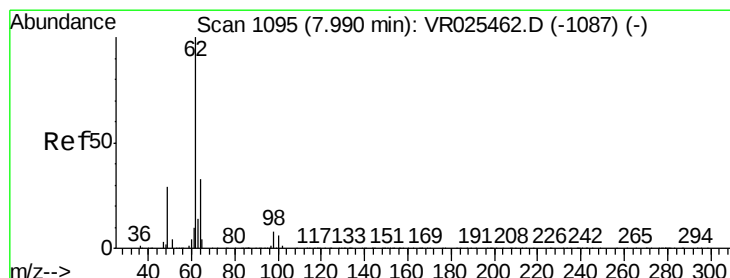
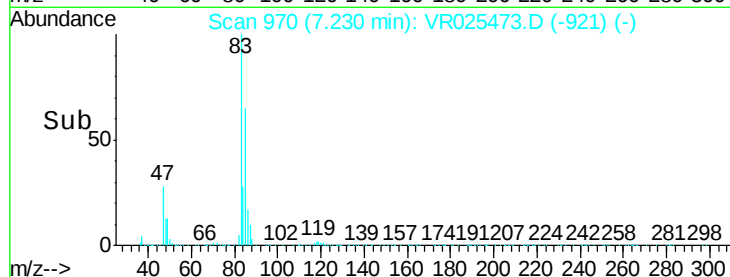
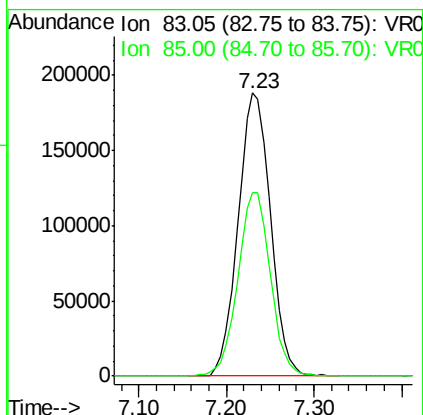
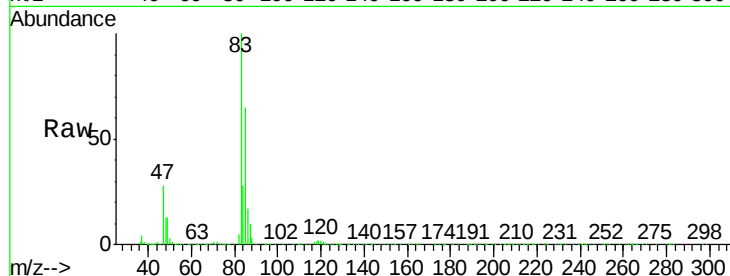




#25
Chloroform
Concen: 4.431 ug/L
RT: 7.23 min Scan# 970
Delta R.T. 0.00 min
Lab File: VR025473.D
Acq: 16 Jul 2018 12:47

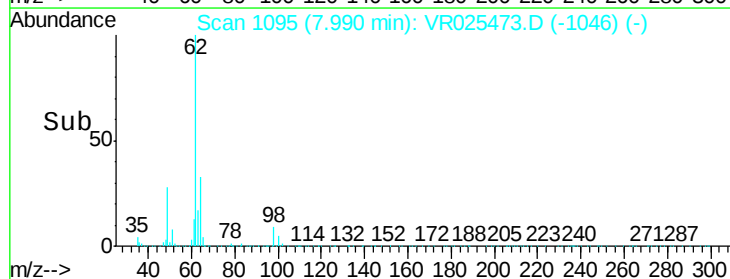
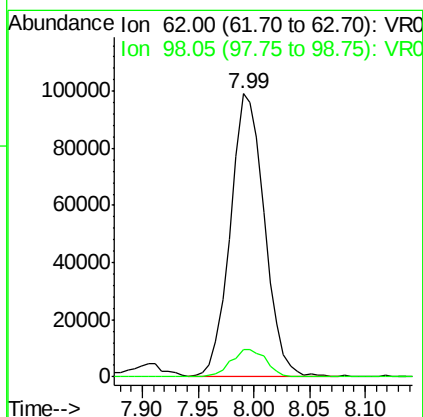
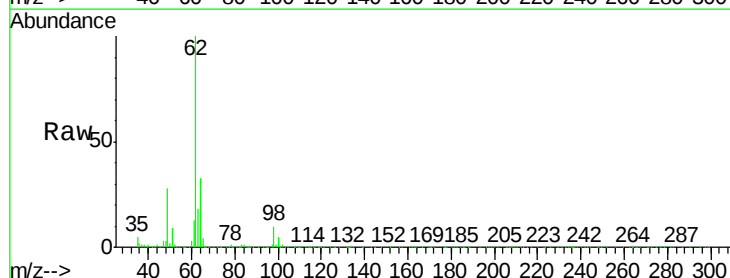
Instrument :
MSVOA_R
ClientSampleId :
VSTD00592

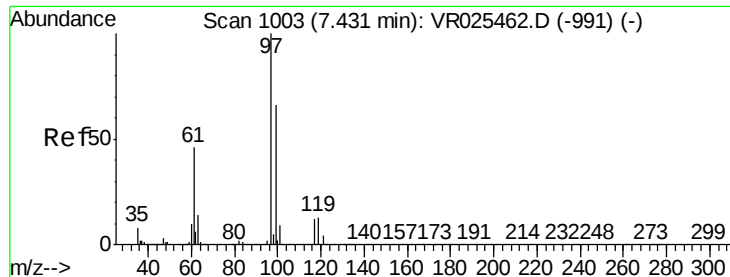
Tgt Ion: 83 Resp: 482733
Ion Ratio Lower Upper
83 100
85 64.8 45.4 84.4



#27
1,2-Dichloroethane
Concen: 4.264 ug/L
RT: 7.99 min Scan# 1095
Delta R.T. 0.00 min
Lab File: VR025473.D
Acq: 16 Jul 2018 12:47

Tgt Ion: 62 Resp: 208260
Ion Ratio Lower Upper
62 100
98 9.5 5.4 8.2#

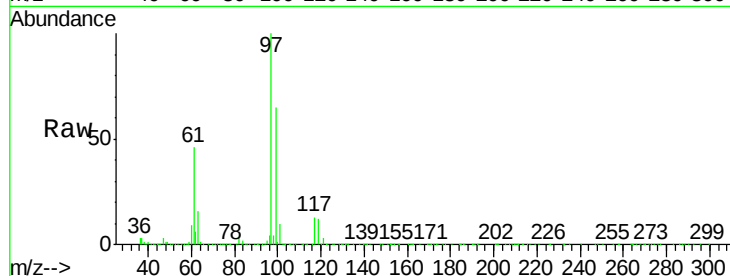




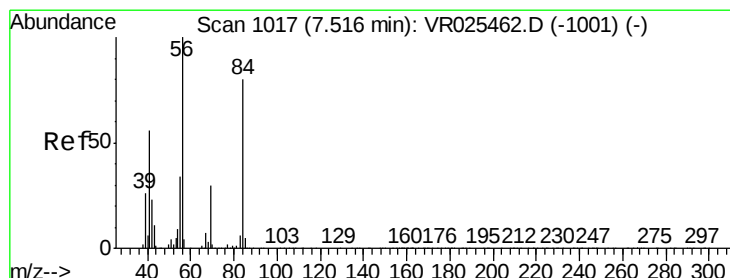
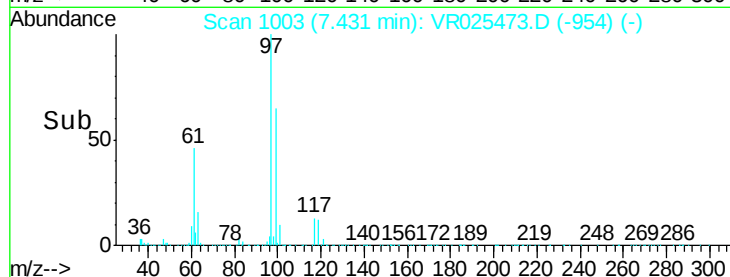
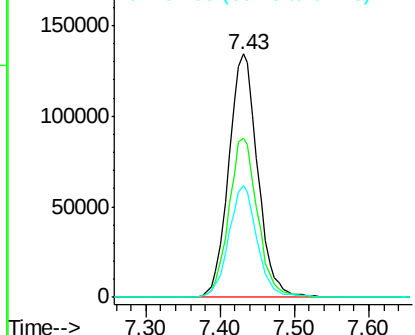
#29
1,1,1-Trichloroethane
Concen: 5.231 ug/L
RT: 7.43 min Scan# 1003
Delta R.T. 0.00 min
Lab File: VR025473.D
Acq: 16 Jul 2018 12:47

Instrument :
MSVOA_R
ClientSampled :
VSTD00592

Tgt Ion: 97 Resp: 364144
Ion Ratio Lower Upper
97 100
99 64.9 52.1 78.1
61 45.0 37.0 55.6

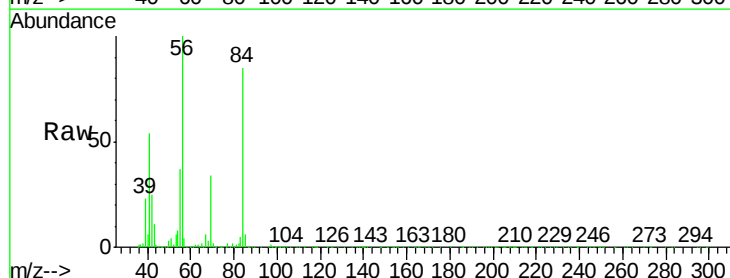


Abundance Ion 96.95 (96.65 to 97.65): VR0
Ion 99.05 (98.75 to 99.75): VR0
Ion 61.05 (60.75 to 61.75): VR0

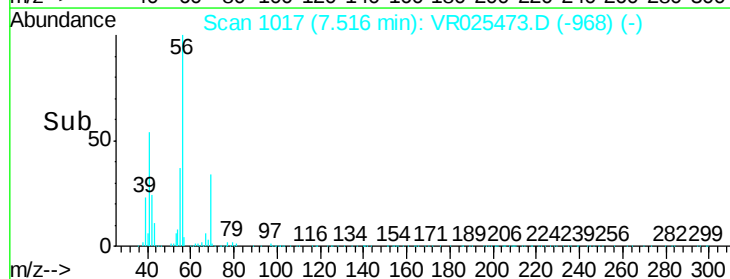
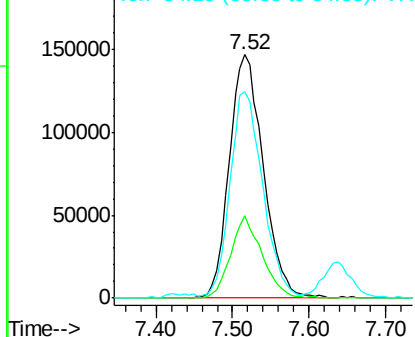


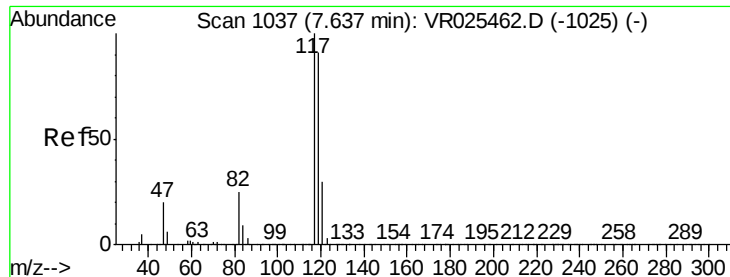
#30
Cyclohexane
Concen: 6.021 ug/L
RT: 7.52 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VR025473.D
Acq: 16 Jul 2018 12:47

Tgt Ion: 56 Resp: 449678
Ion Ratio Lower Upper
56 100
69 31.0 23.7 35.5
84 81.7 62.6 93.8



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

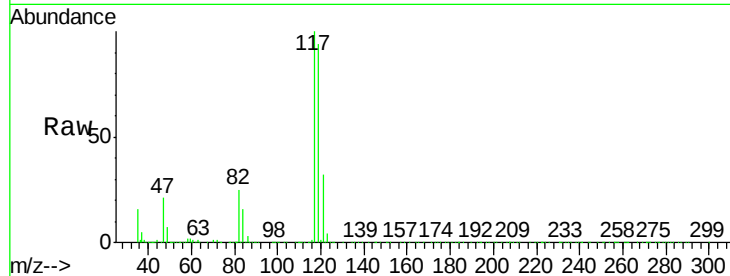




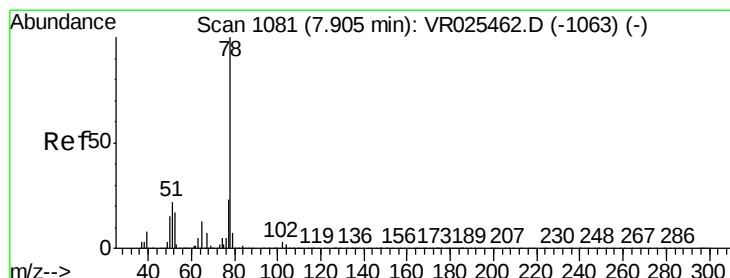
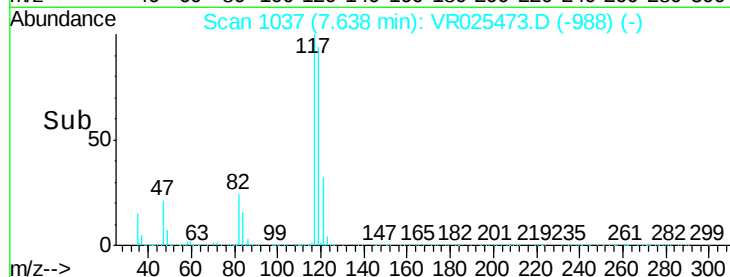
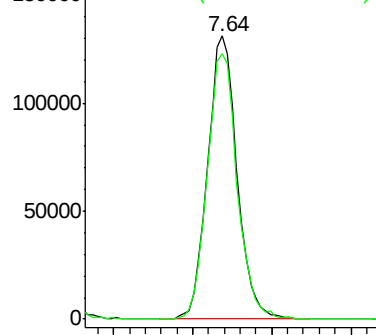
#31
Carbon tetrachloride
Concen: 5.488 ug/L
RT: 7.64 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VR025473.D
Acq: 16 Jul 2018 12:47

Instrument :
MSVOA_R
ClientSampleId :
VSTD00592

Tgt Ion:117 Resp: 337975
Ion Ratio Lower Upper
117 100
119 95.9 75.5 113.3

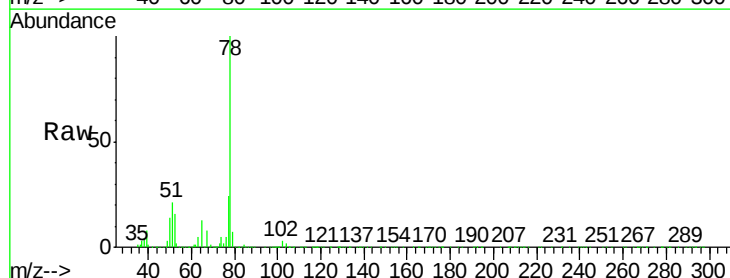


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

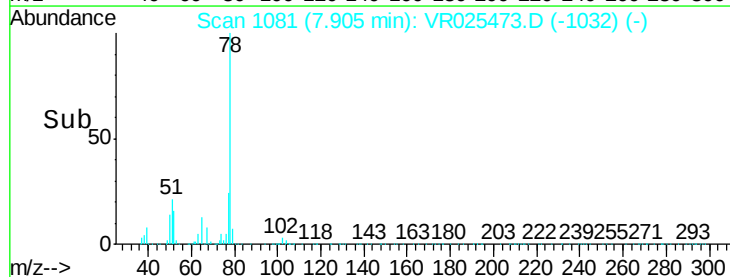
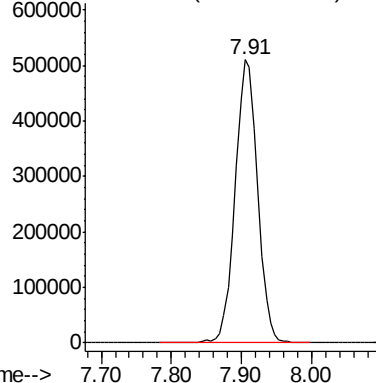


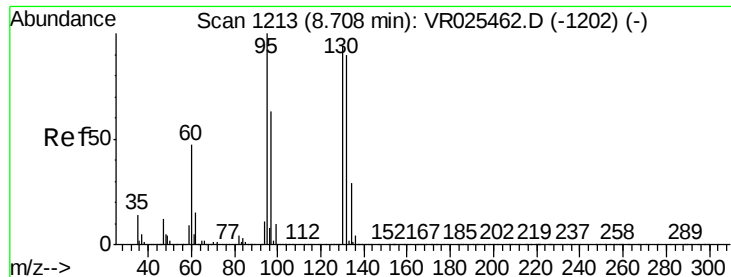
#33
Benzene
Concen: 4.810 ug/L
RT: 7.91 min Scan# 1081
Delta R.T. 0.00 min
Lab File: VR025473.D
Acq: 16 Jul 2018 12:47

Tgt Ion: 78 Resp: 1134724



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 4.877 ug/L

RT: 8.71 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VR025473.D

Acq: 16 Jul 2018 12:47

Instrument :

MSVOA_R

ClientSampleId :

VSTD00592

Tgt Ion: 95 Resp: 292877

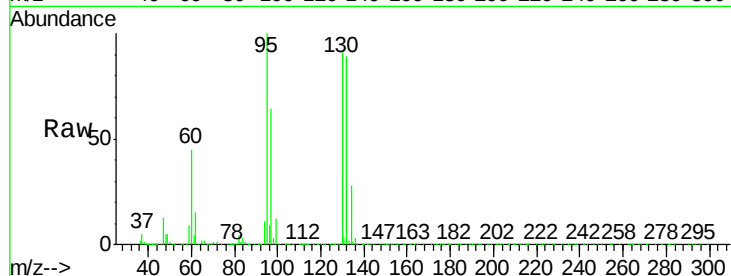
Ion Ratio Lower Upper

95 100

97 63.8 45.6 84.6

132 88.7 60.9 113.1

130 90.7 62.0 115.2

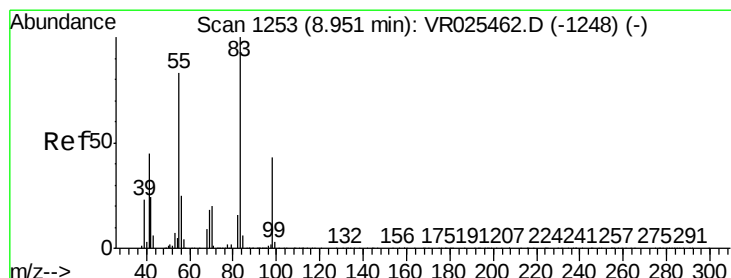
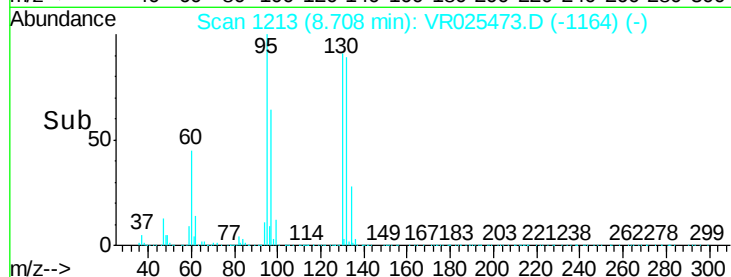
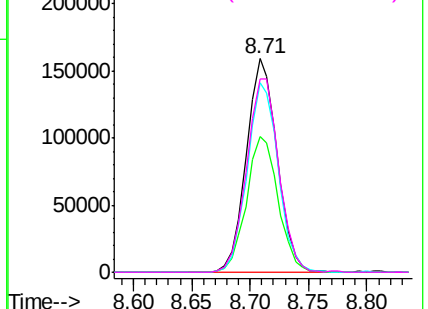


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 5.870 ug/L

RT: 8.96 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VR025473.D

Acq: 16 Jul 2018 12:47

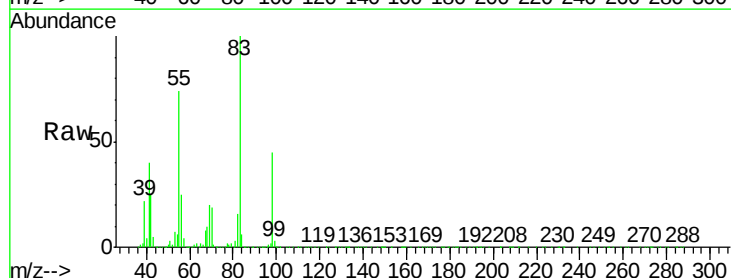
Tgt Ion: 83 Resp: 471352

Ion Ratio Lower Upper

83 100

55 77.1 66.1 99.1

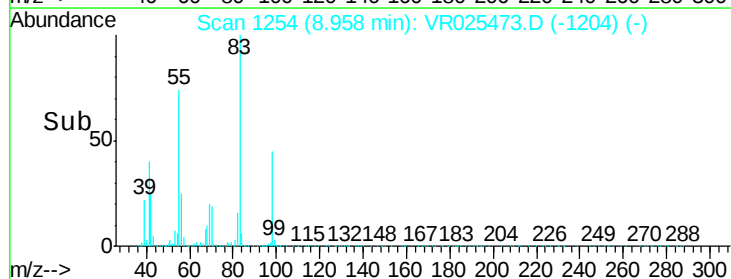
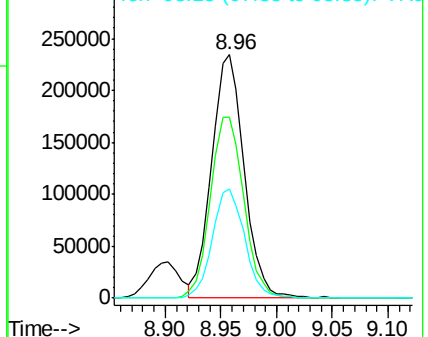
98 45.4 36.2 54.4

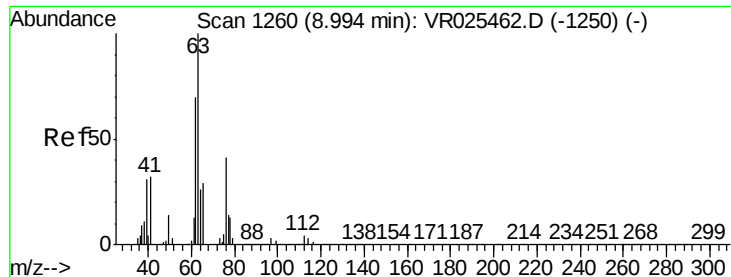


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 4.545 ug/L

RT: 8.99 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VR025473.D

Acq: 16 Jul 2018 12:47

Instrument :

MSVOA_R

ClientSampleId :

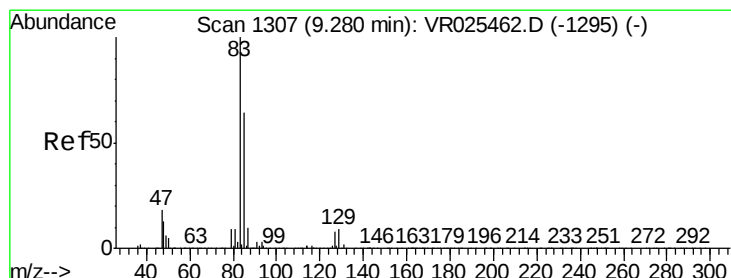
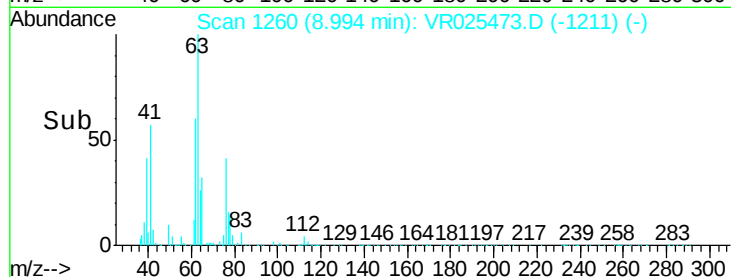
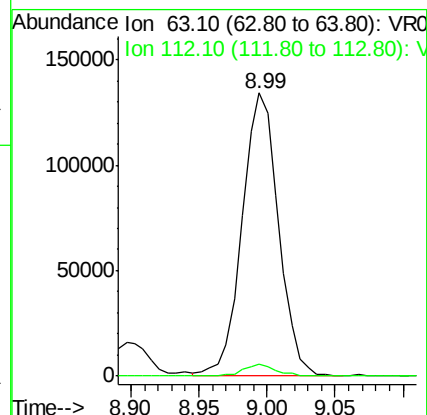
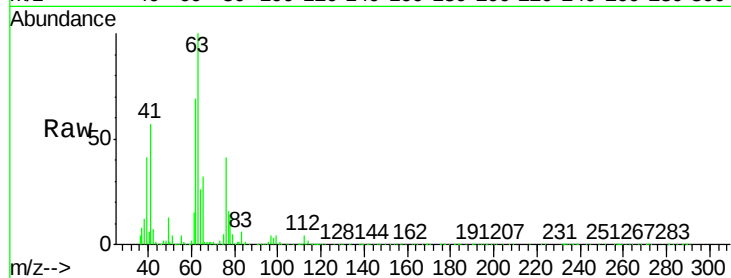
VSTD00592

Tgt Ion: 63 Resp: 249201

Ion Ratio Lower Upper

63 100

112 3.9 2.9 4.3



#38

Bromodichloromethane

Concen: 4.890 ug/L

RT: 9.28 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VR025473.D

Acq: 16 Jul 2018 12:47

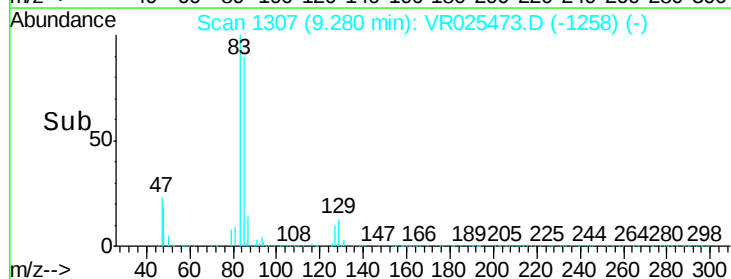
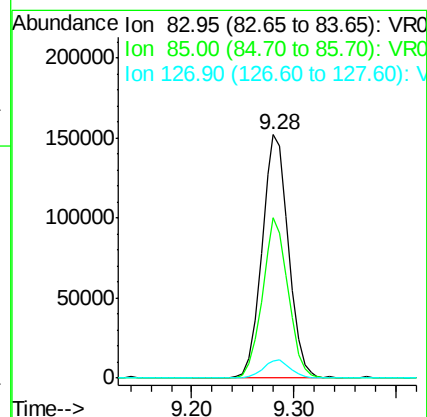
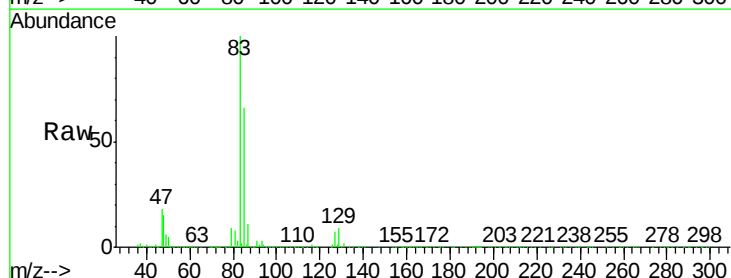
Tgt Ion: 83 Resp: 273313

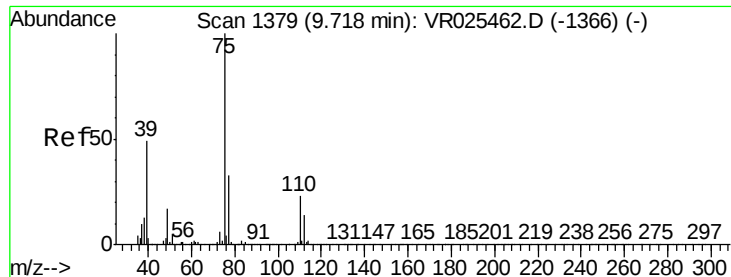
Ion Ratio Lower Upper

83 100

85 66.1 46.1 85.7

127 7.2 5.7 8.5

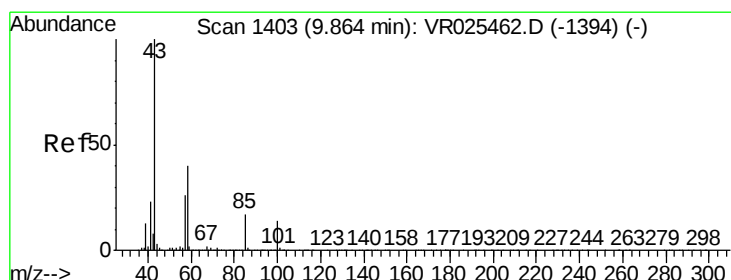
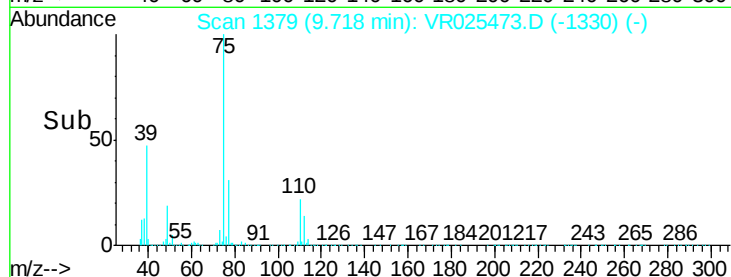
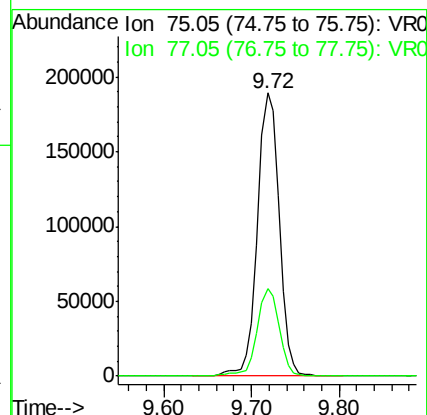
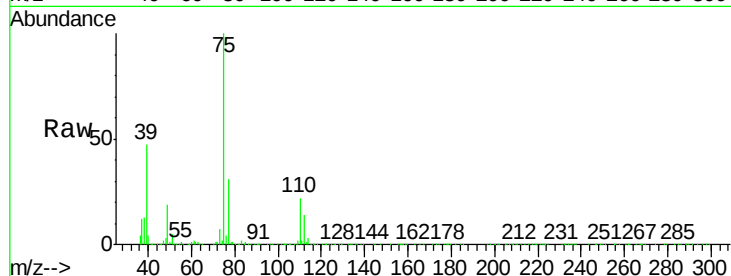




#39
 cis-1,3-Dichloropropene
 Concen: 5.308 ug/L
 RT: 9.72 min Scan# 1379
 Delta R.T. 0.00 min
 Lab File: VR025473.D
 Acq: 16 Jul 2018 12:47

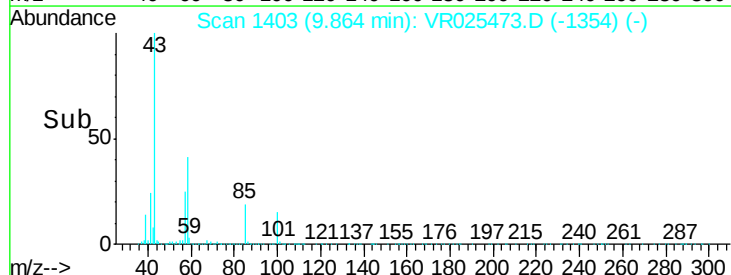
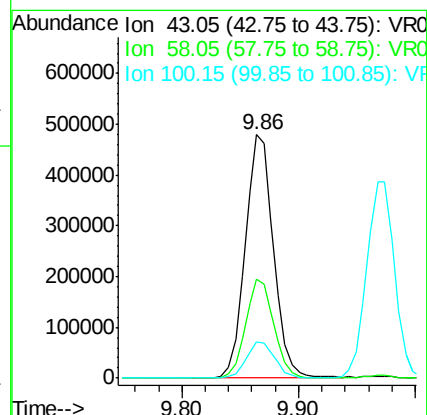
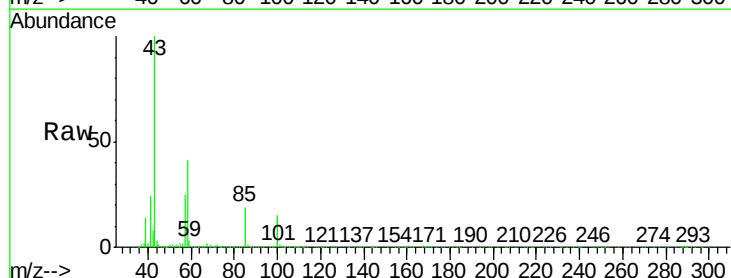
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00592

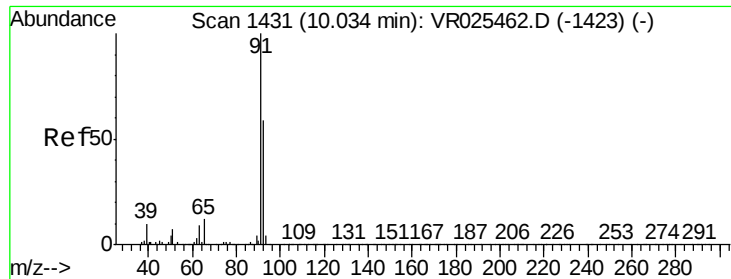
Tgt Ion: 75 Resp: 327280
 Ion Ratio Lower Upper
 75 100
 77 30.9 21.1 39.1



#40
 4-Methyl-2-pentanone
 Concen: 50.771 ug/L
 RT: 9.86 min Scan# 1403
 Delta R.T. 0.00 min
 Lab File: VR025473.D
 Acq: 16 Jul 2018 12:47

Tgt Ion: 43 Resp: 806801
 Ion Ratio Lower Upper
 43 100
 58 40.7 30.3 45.5
 100 15.0 10.3 15.5





#42

Toluene

Concen: 4.951 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VR025473.D

Acq: 16 Jul 2018 12:47

Instrument :

MSVOA_R

ClientSampleId :

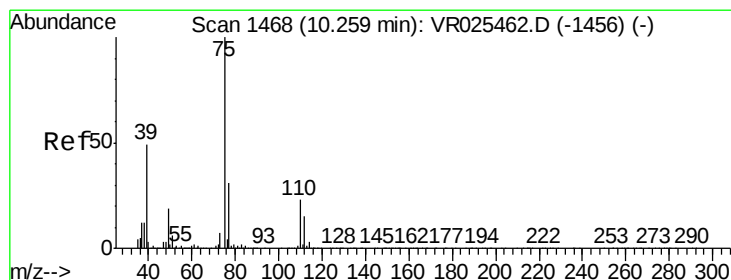
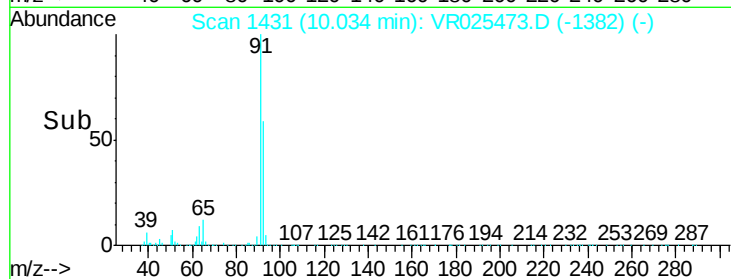
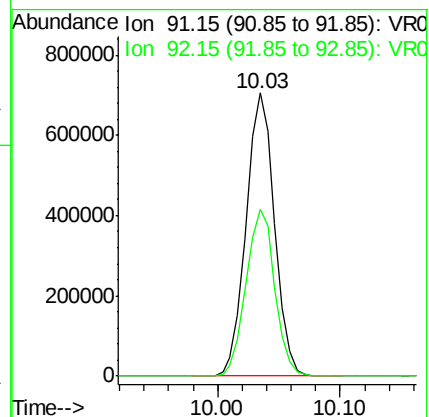
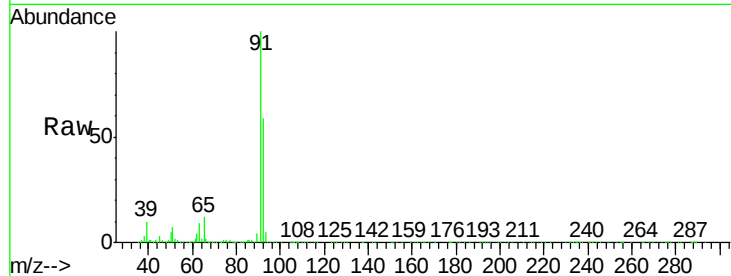
VSTD00592

Tgt Ion: 91 Resp: 1135715

Ion Ratio Lower Upper

91 100

92 58.8 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 5.086 ug/L

RT: 10.27 min Scan# 1469

Delta R.T. 0.01 min

Lab File: VR025473.D

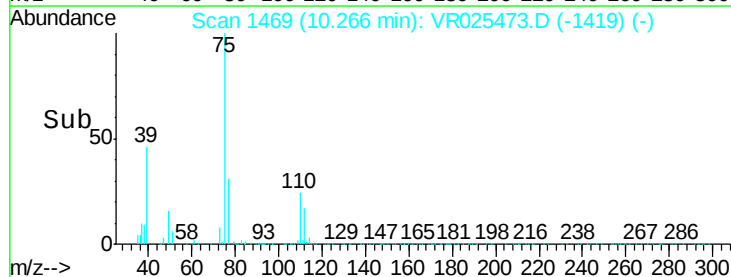
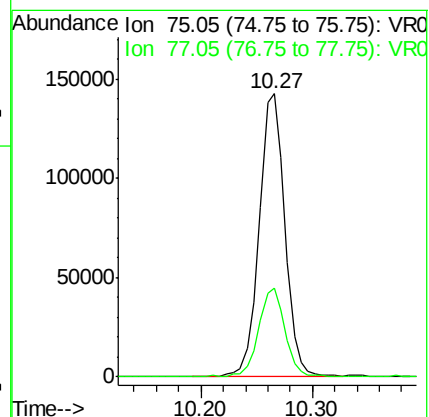
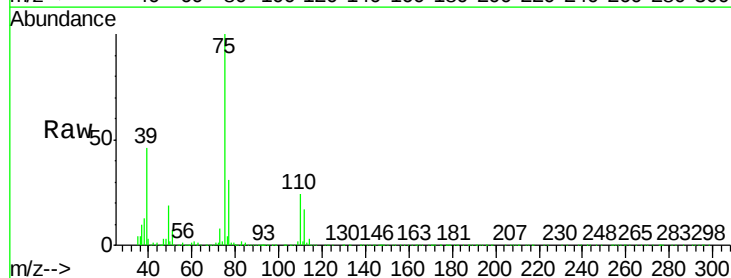
Acq: 16 Jul 2018 12:47

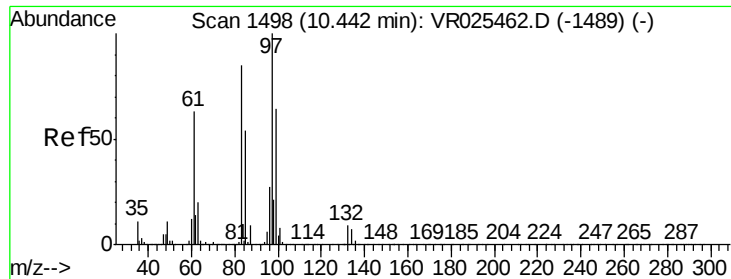
Tgt Ion: 75 Resp: 230311

Ion Ratio Lower Upper

75 100

77 31.4 20.6 38.4

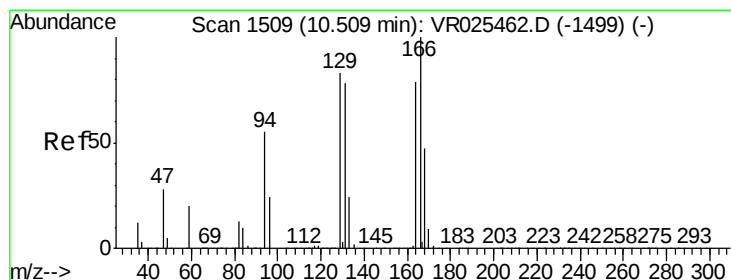
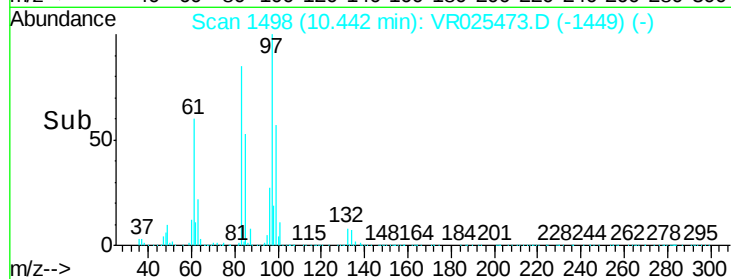
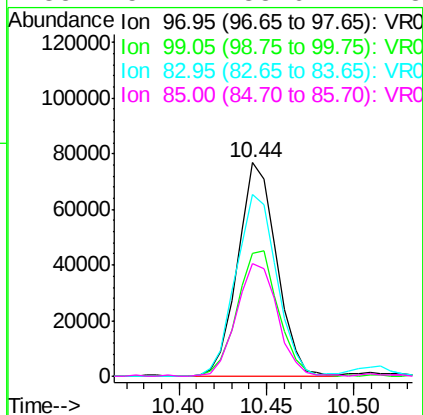
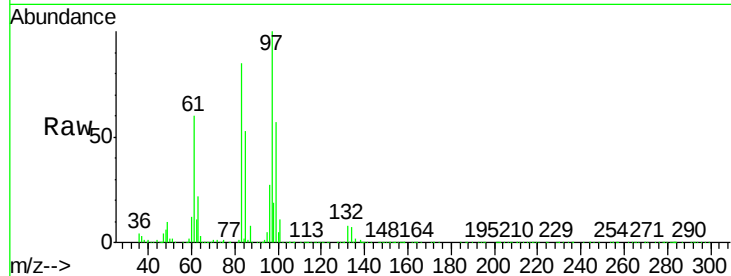




#45
 1,1,2-Trichloroethane
 Concen: 4.394 ug/L
 RT: 10.44 min Scan# 1498
 Delta R.T. 0.00 min
 Lab File: VR025473.D
 Acq: 16 Jul 2018 12:47

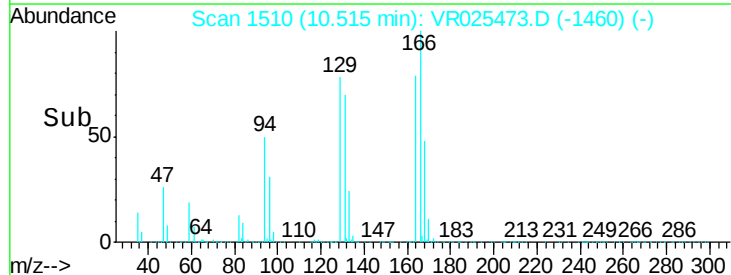
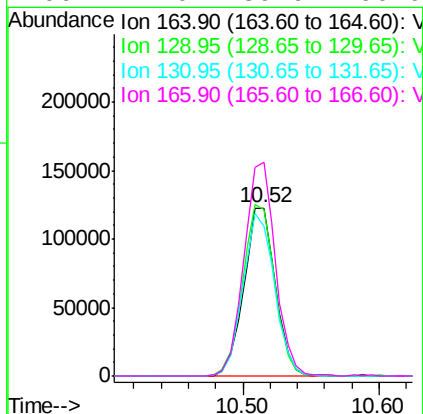
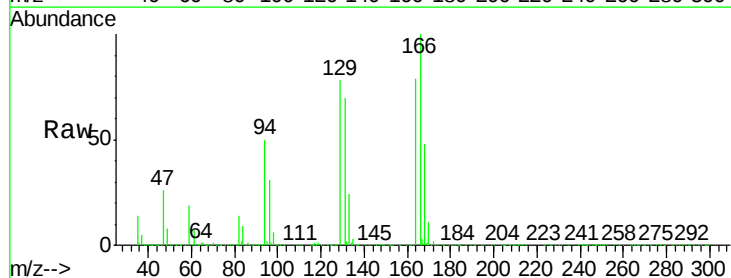
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00592

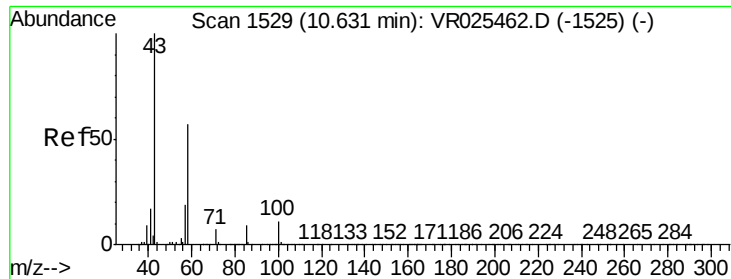
Tgt Ion:	97	Resp:	118043
Ion	Ratio	Lower	Upper
97	100		
99	57.3	41.9	77.9
83	85.3	64.5	119.9
85	52.7	38.6	71.8



#47
 Tetrachloroethene
 Concen: 5.059 ug/L
 RT: 10.52 min Scan# 1510
 Delta R.T. 0.01 min
 Lab File: VR025473.D
 Acq: 16 Jul 2018 12:47

Tgt Ion:	164	Resp:	198402
Ion	Ratio	Lower	Upper
164	100		
129	99.1	68.1	126.5
131	89.3	68.5	127.1
166	127.0	89.9	166.9

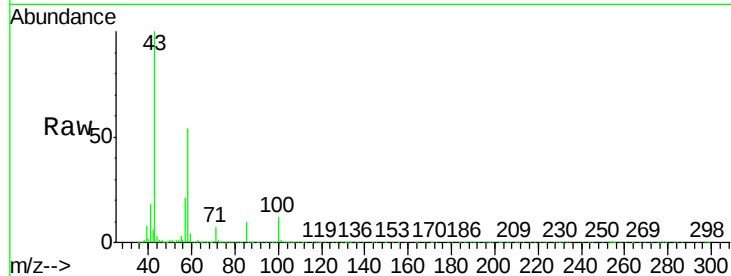




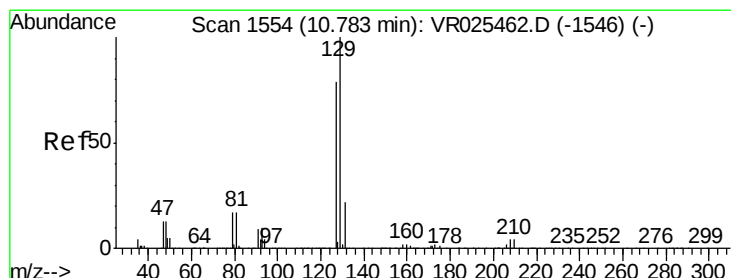
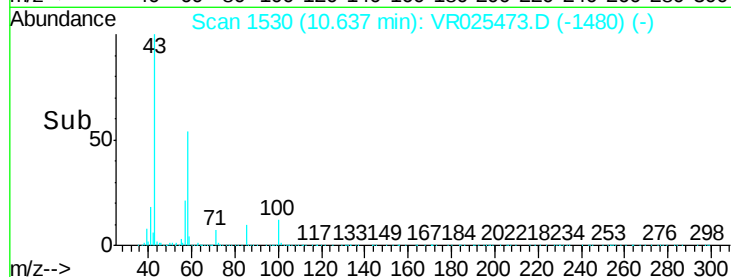
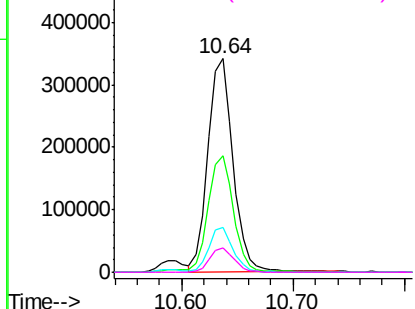
#48
2-Hexanone
Concen: 48.925 ug/L
RT: 10.64 min Scan# 1530
Delta R.T. 0.01 min
Lab File: VR025473.D
Acq: 16 Jul 2018 12:47

Instrument :
MSVOA_R
ClientSampled :
VSTD00592

Tgt Ion:	43	Resp:	534820
Ion	Ratio	Lower	Upper
43	100		
58	56.5	43.1	64.7
57	19.7	15.3	22.9
100	11.2	7.9	11.9

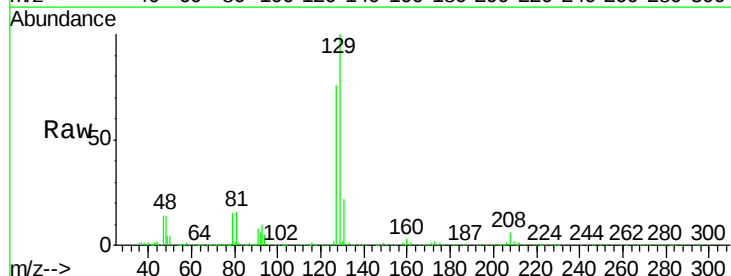


Abundance Ion 43.05 (42.75 to 43.75): VR0
Ion 58.05 (57.75 to 58.75): VR0
Ion 57.20 (56.90 to 57.90): VR0
Ion 100.15 (99.85 to 100.85): VR0

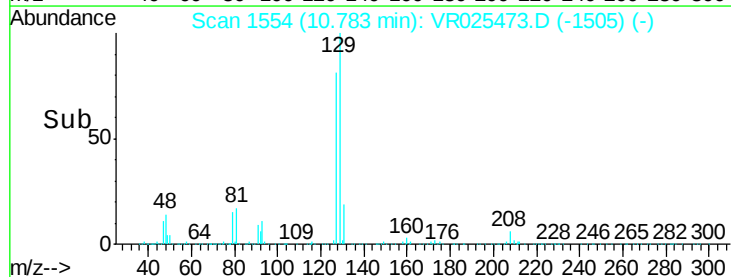
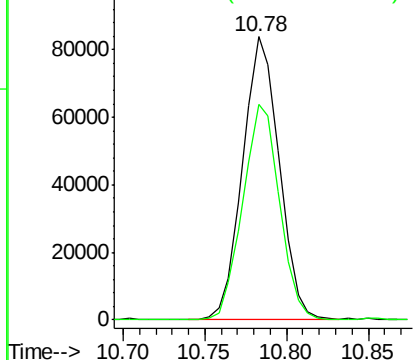


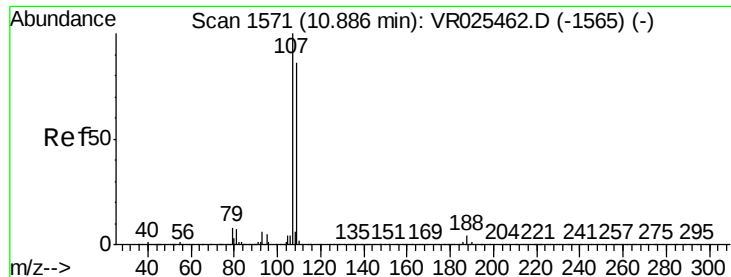
#49
Dibromochloromethane
Concen: 4.688 ug/L
RT: 10.78 min Scan# 1554
Delta R.T. 0.00 min
Lab File: VR025473.D
Acq: 16 Jul 2018 12:47

Tgt Ion:	129	Resp:	131316
Ion	Ratio	Lower	Upper
129	100		
127	76.2	55.9	103.7



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

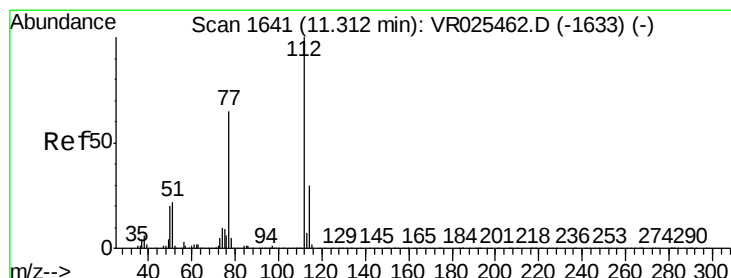
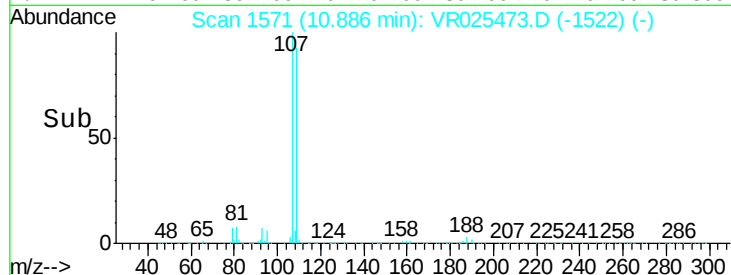
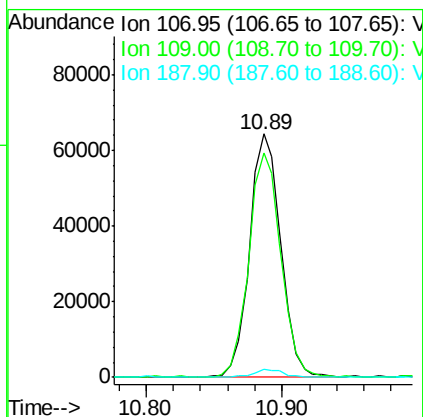
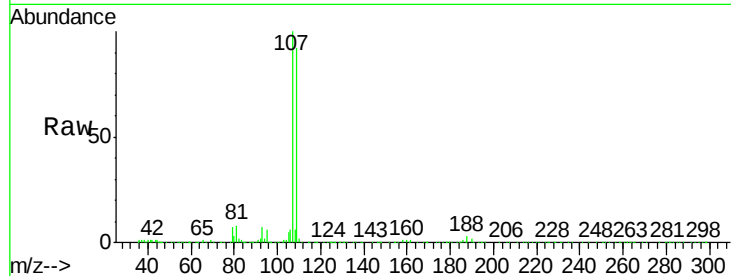




#50
1,2-Dibromoethane
Concen: 4.748 ug/L
RT: 10.89 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VR025473.D
Acq: 16 Jul 2018 12:47

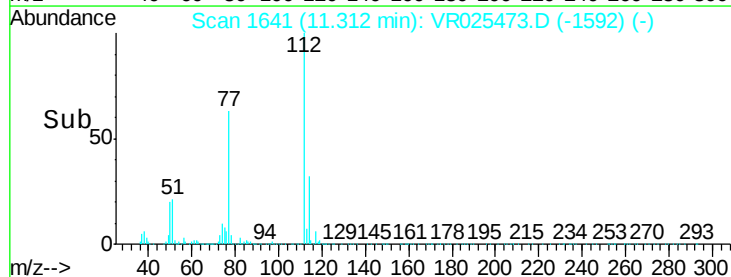
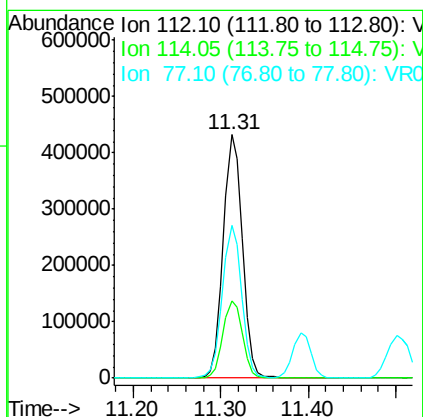
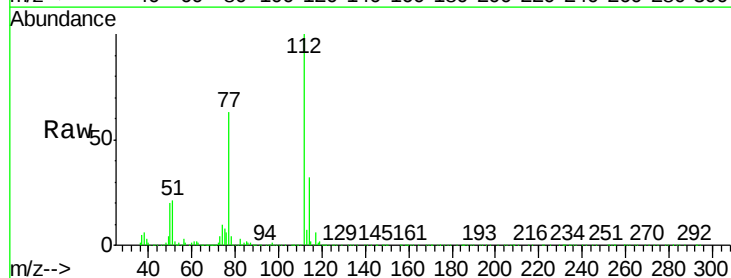
Instrument :
MSVOA_R
ClientSampleId :
VSTD00592

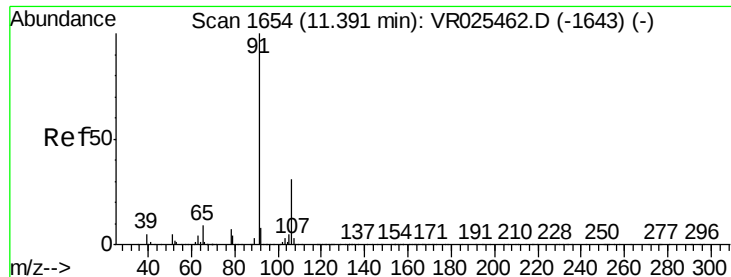
Tgt Ion:107 Resp: 103336
Ion Ratio Lower Upper
107 100
109 92.2 63.1 117.3
188 3.2 1.8 2.8#



#51
Chlorobenzene
Concen: 4.689 ug/L
RT: 11.31 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VR025473.D
Acq: 16 Jul 2018 12:47

Tgt Ion:112 Resp: 655010
Ion Ratio Lower Upper
112 100
114 31.9 21.6 40.0
77 62.7 51.9 77.9





#52

Ethylbenzene

Concen: 5.183 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VR025473.D

Acq: 16 Jul 2018 12:47

Instrument :

MSVOA_R

ClientSampleId :

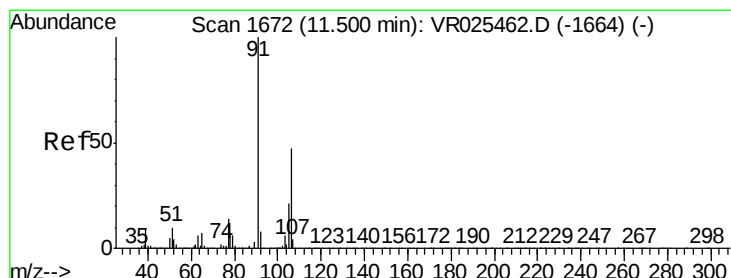
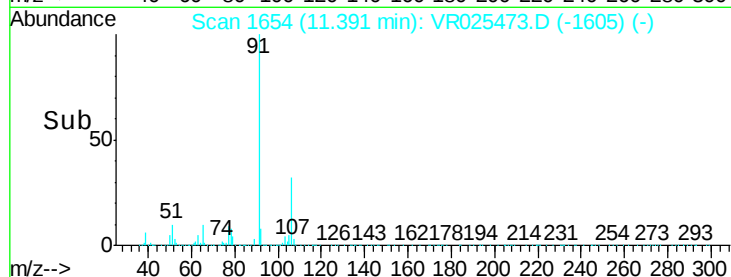
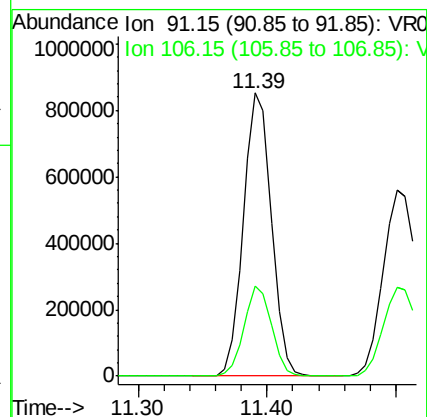
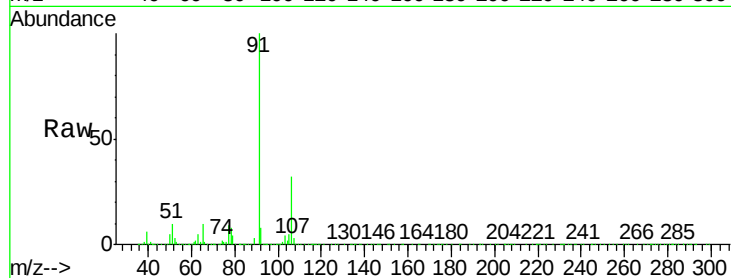
VSTD00592

Tgt Ion: 91 Resp: 1275062

Ion Ratio Lower Upper

91 100

106 31.7 22.5 41.7



#53

m,p-Xylene

Concen: 5.185 ug/L

RT: 11.50 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VR025473.D

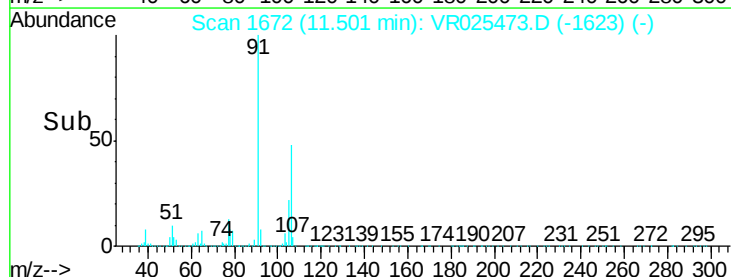
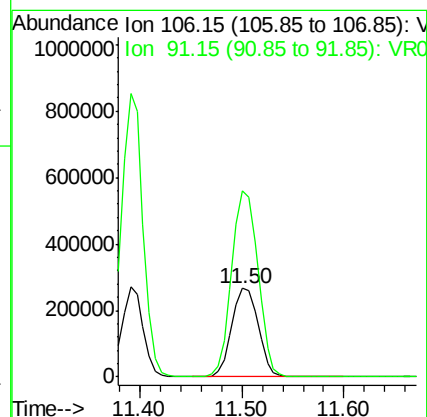
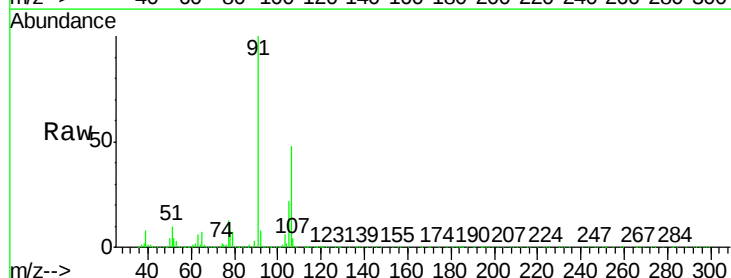
Acq: 16 Jul 2018 12:47

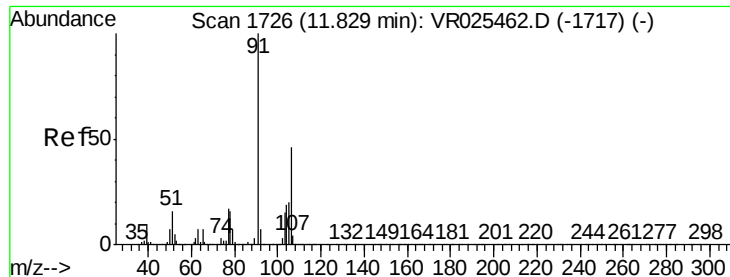
Tgt Ion: 106 Resp: 478612

Ion Ratio Lower Upper

106 100

91 210.1 152.6 283.4

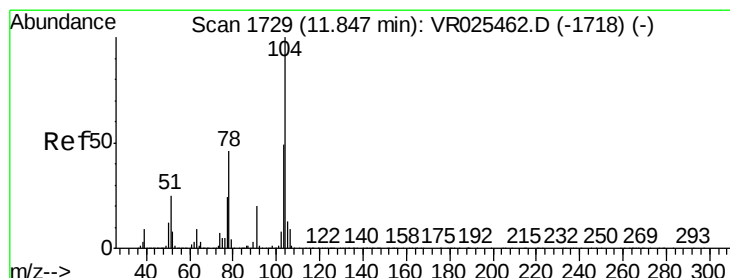
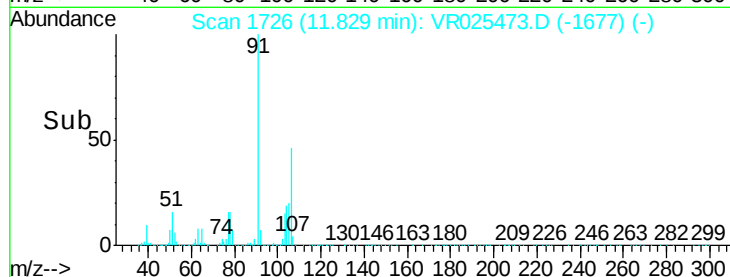
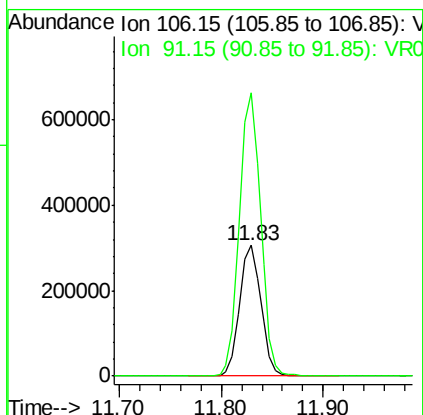
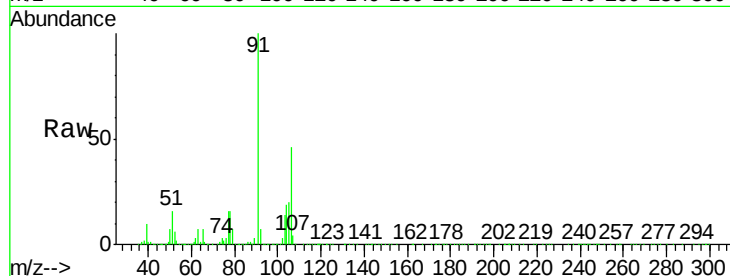




#54
o-Xylene
Concen: 5.531 ug/L
RT: 11.83 min Scan# 1726
Delta R.T. 0.00 min
Lab File: VR025473.D
Acq: 16 Jul 2018 12:47

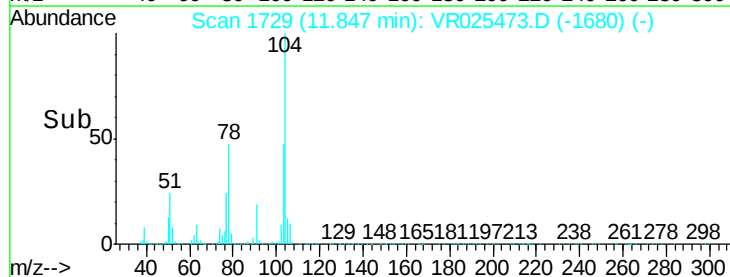
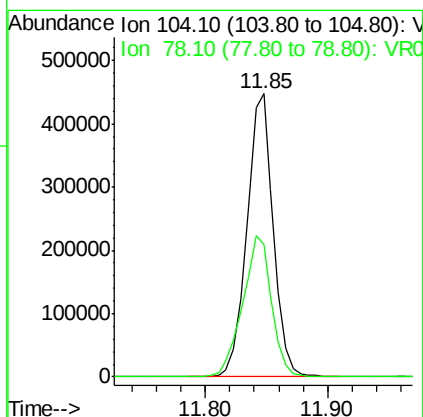
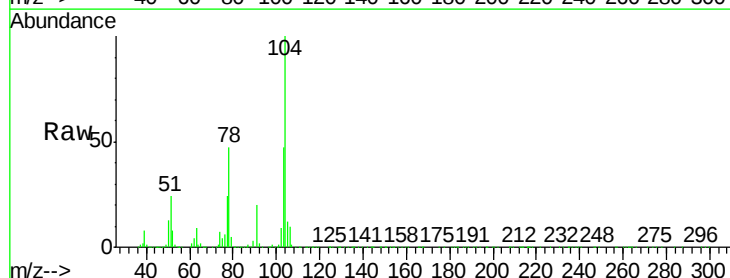
Instrument :
MSVOA_R
ClientSampleId :
VSTD00592

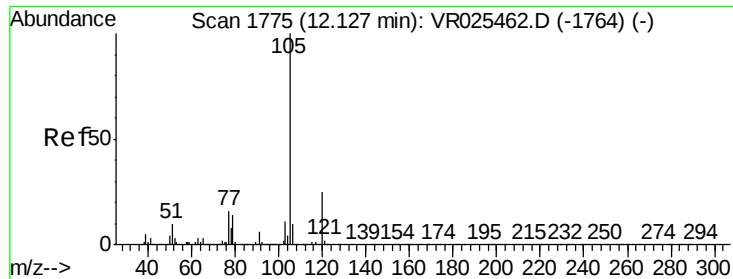
Tgt Ion:106 Resp: 439758
Ion Ratio Lower Upper
106 100
91 216.8 153.7 285.5



#55
Styrene
Concen: 5.092 ug/L
RT: 11.85 min Scan# 1729
Delta R.T. 0.00 min
Lab File: VR025473.D
Acq: 16 Jul 2018 12:47

Tgt Ion:104 Resp: 666110
Ion Ratio Lower Upper
104 100
78 46.6 35.4 65.7





#56

Isopropylbenzene

Concen: 5.678 ug/L

RT: 12.13 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VR025473.D

Acq: 16 Jul 2018 12:47

Instrument :

MSVOA_R

ClientSampled :

VSTD00592

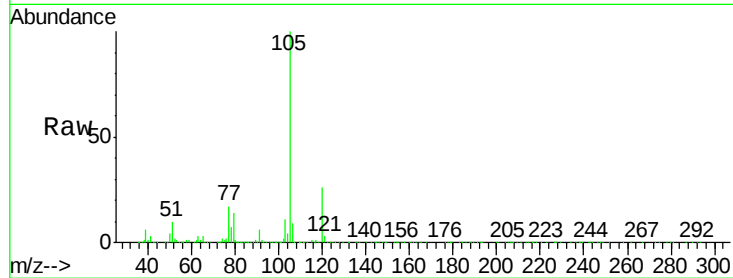
Tgt Ion:105 Resp: 1195508

Ion Ratio Lower Upper

105 100

120 25.4 20.2 30.4

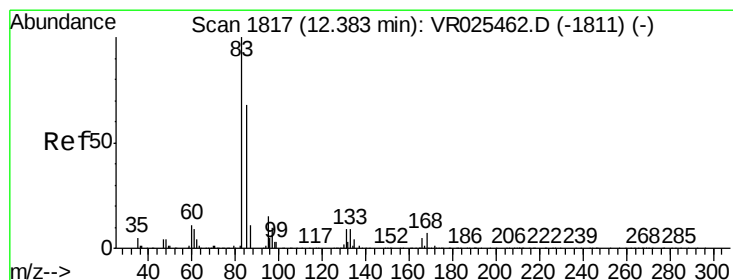
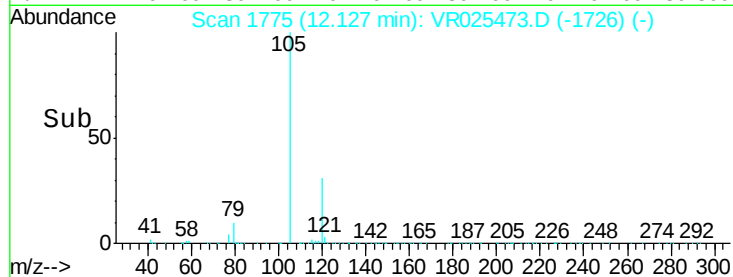
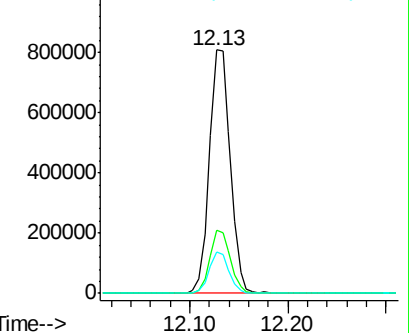
77 16.2 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.392 ug/L

RT: 12.38 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VR025473.D

Acq: 16 Jul 2018 12:47

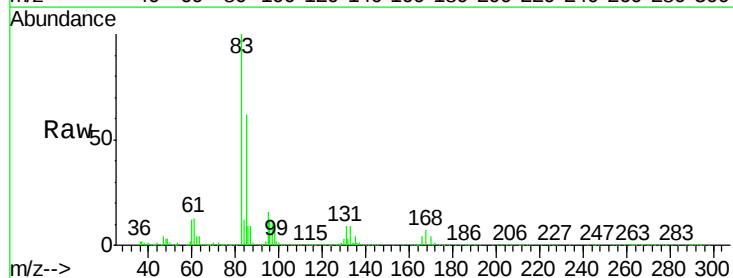
Tgt Ion: 83 Resp: 116232

Ion Ratio Lower Upper

83 100

85 62.2 41.8 77.6

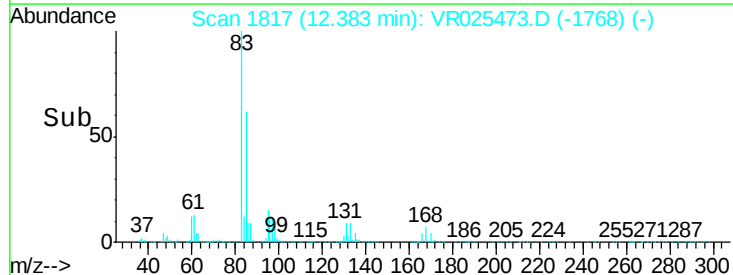
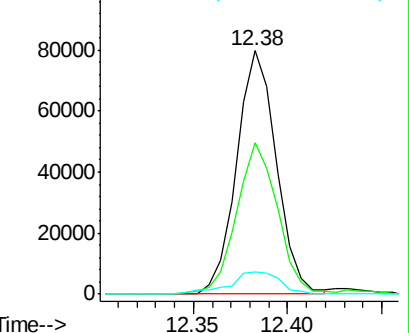
131 9.3 6.1 9.1#

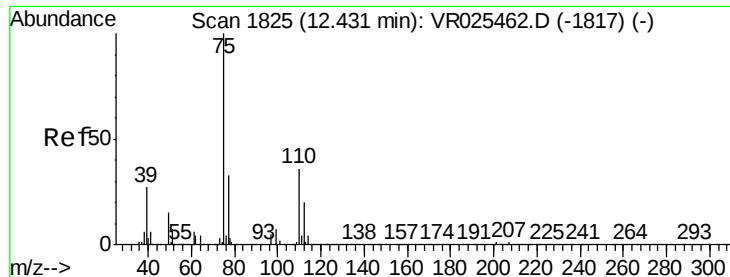


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

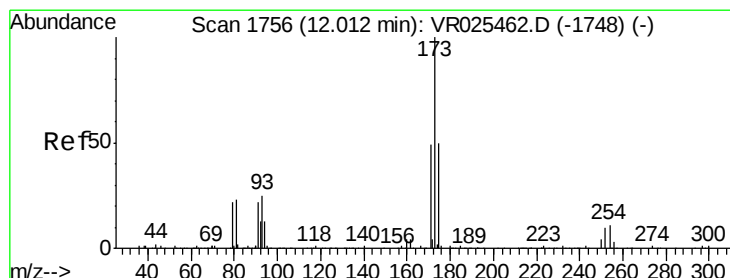
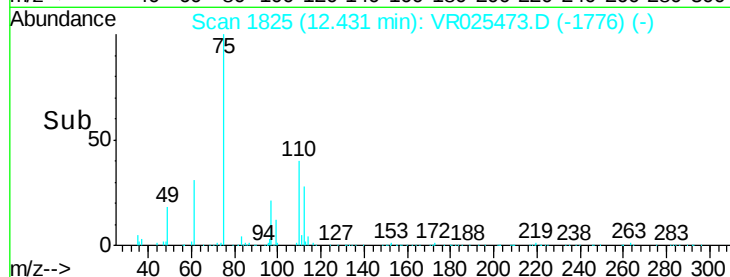
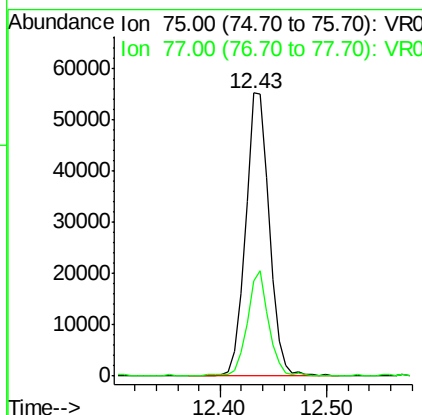
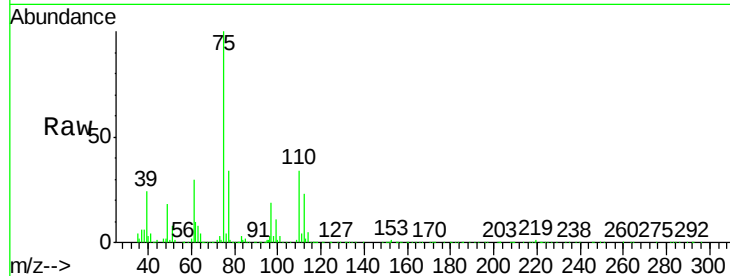




#59
 1,2,3-Trichloropropane
 Concen: 4.517 ug/L
 RT: 12.43 min Scan# 1825
 Delta R.T. 0.00 min
 Lab File: VR025473.D
 Acq: 16 Jul 2018 12:47

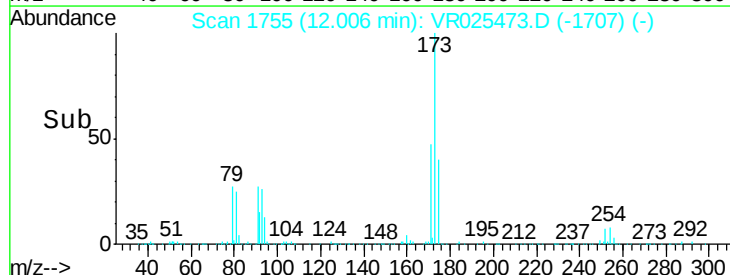
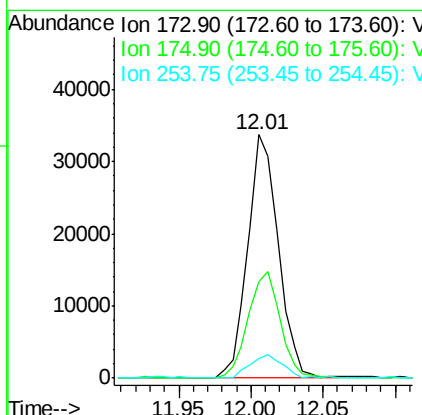
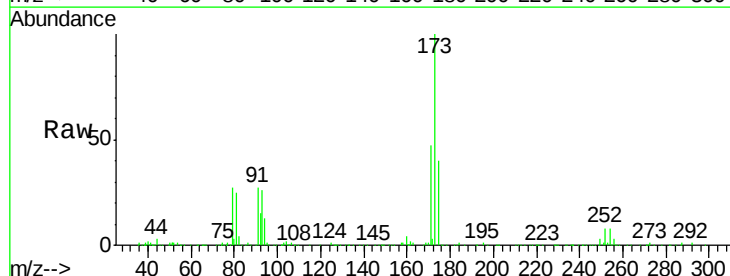
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00592

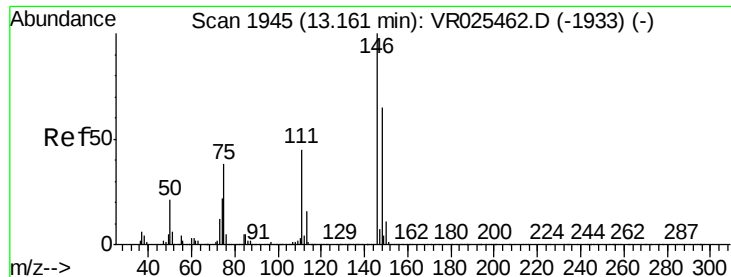
Tgt Ion: 75 Resp: 86058
 Ion Ratio Lower Upper
 75 100
 77 33.9 27.0 40.4



#61
 Bromoform
 Concen: 4.543 ug/L
 RT: 12.01 min Scan# 1755
 Delta R.T. -0.01 min
 Lab File: VR025473.D
 Acq: 16 Jul 2018 12:47

Tgt Ion: 173 Resp: 49306
 Ion Ratio Lower Upper
 173 100
 175 46.2 37.5 56.3
 254 10.5 8.7 13.1

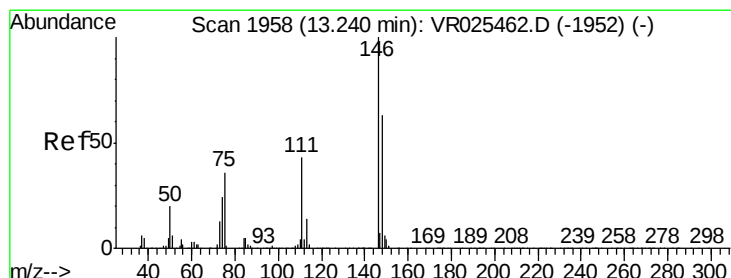
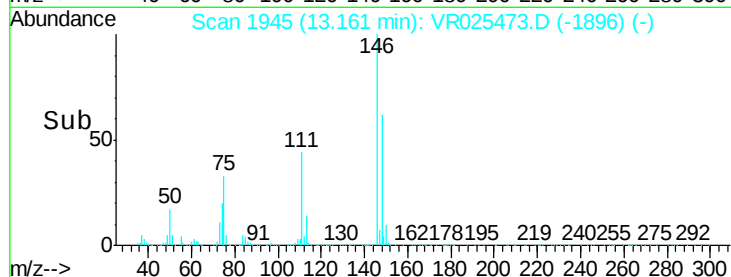
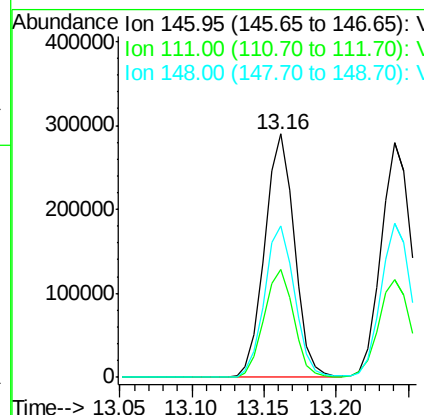
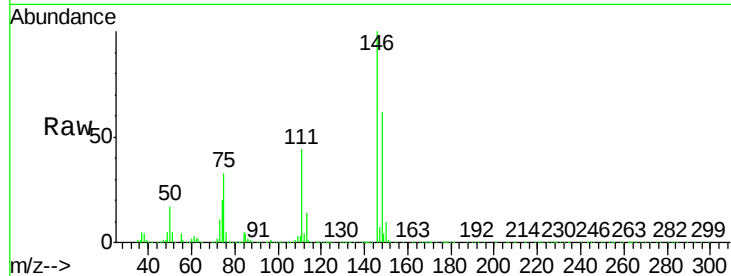




#62
 1,3-Dichlorobenzene
 Concen: 5.269 ug/L
 RT: 13.16 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VR025473.D
 Acq: 16 Jul 2018 12:47

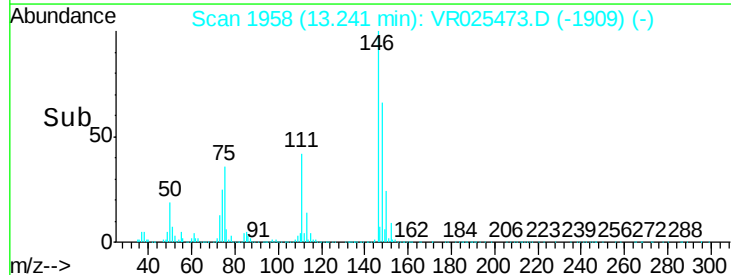
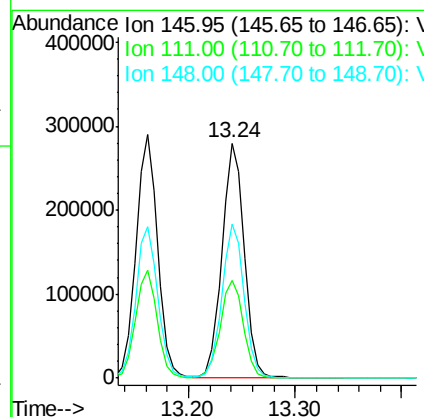
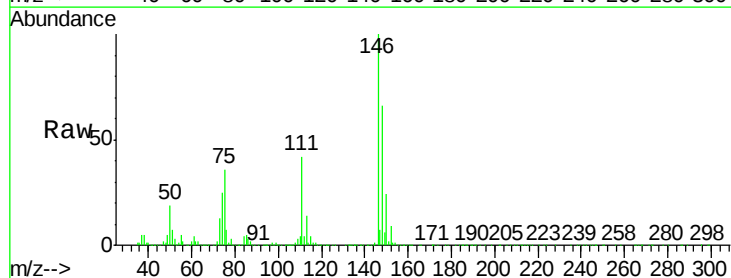
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00592

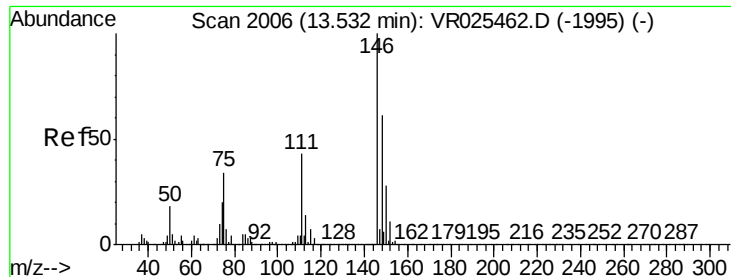
Tgt Ion:146 Resp: 411434
 Ion Ratio Lower Upper
 146 100
 111 44.1 31.0 57.6
 148 62.0 44.8 83.2



#63
 1,4-Dichlorobenzene
 Concen: 4.682 ug/L
 RT: 13.24 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VR025473.D
 Acq: 16 Jul 2018 12:47

Tgt Ion:146 Resp: 405837
 Ion Ratio Lower Upper
 146 100
 111 41.7 30.5 56.7
 148 65.7 42.8 79.4

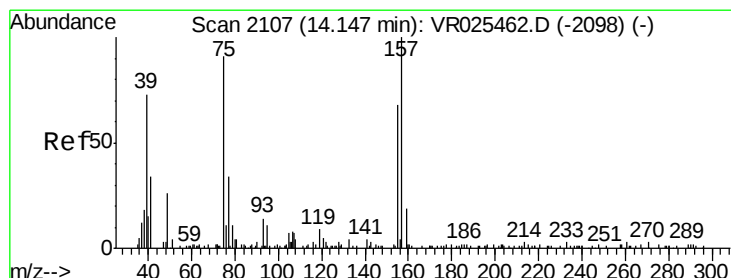
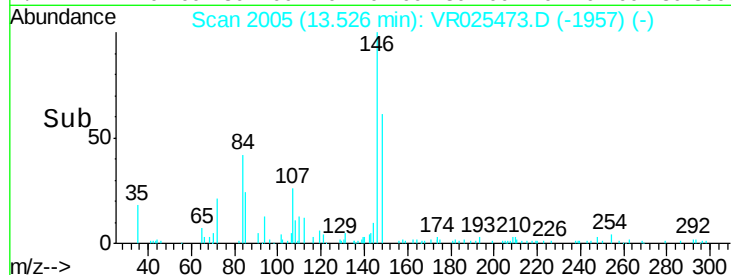
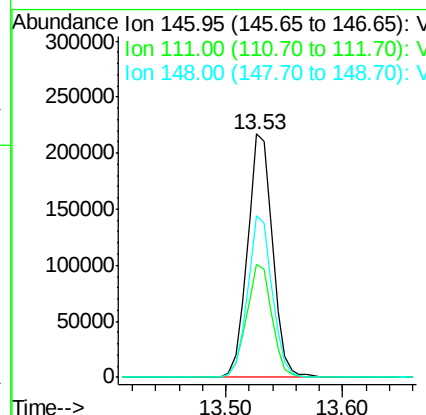
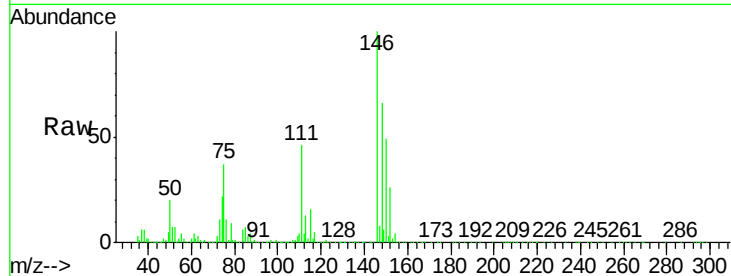




#65
 1,2-Dichlorobenzene
 Concen: 4.801 ug/L
 RT: 13.53 min Scan# 2005
 Delta R.T. -0.01 min
 Lab File: VR025473.D
 Acq: 16 Jul 2018 12:47

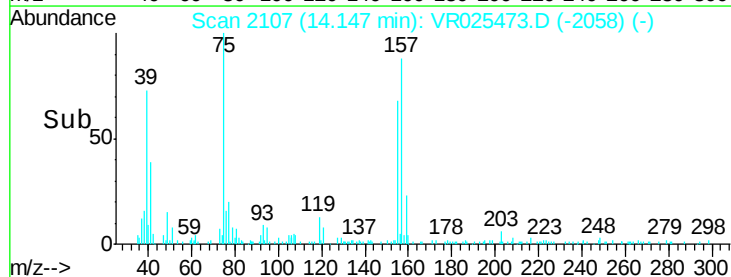
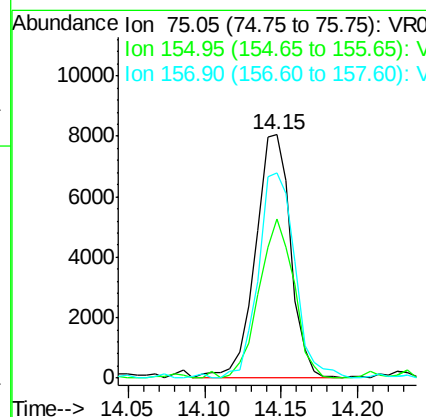
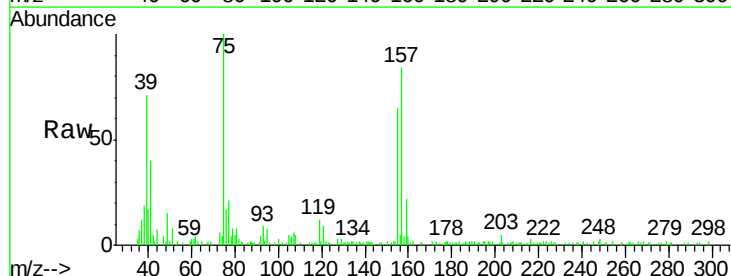
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00592

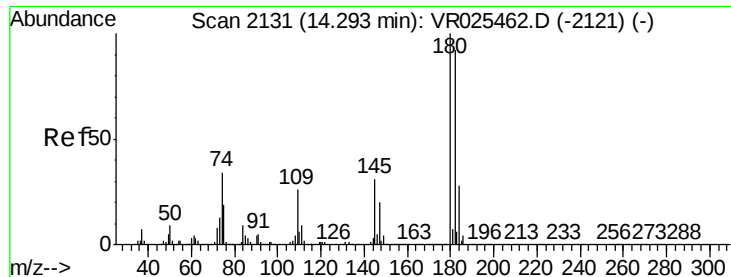
Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.4	35.8	53.8
148	66.2	50.4	75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.298 ug/L
 RT: 14.15 min Scan# 2107
 Delta R.T. 0.00 min
 Lab File: VR025473.D
 Acq: 16 Jul 2018 12:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	65.3	74.1	111.1#
157	84.3	71.0	106.6

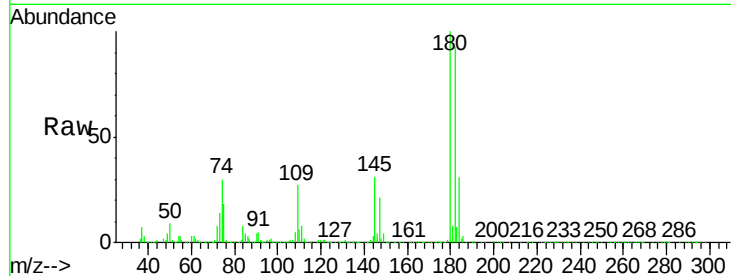




#67
 1,3,5-Trichlorobenzene
 Concen: 5.186 ug/L
 RT: 14.29 min Scan# 2131
 Delta R.T. 0.00 min
 Lab File: VR025473.D
 Acq: 16 Jul 2018 12:47

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00592

Tgt Ion:	180	Resp:	264456
Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.0	114.0
184	30.7	24.5	36.7
145	33.6	25.2	37.8

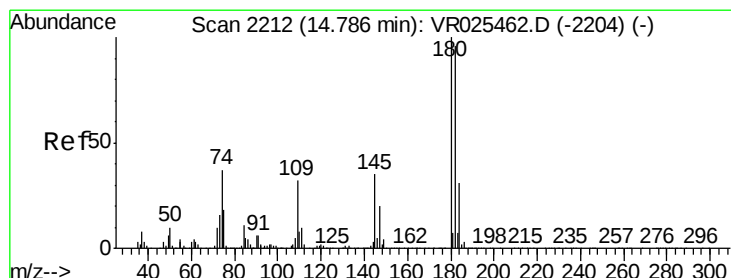
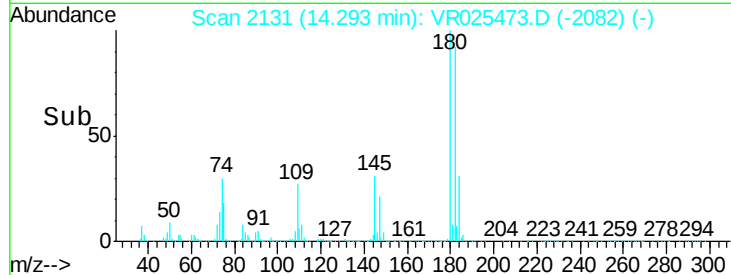
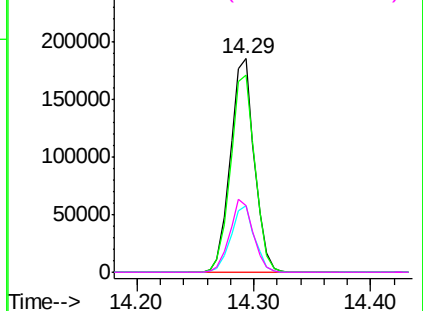


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

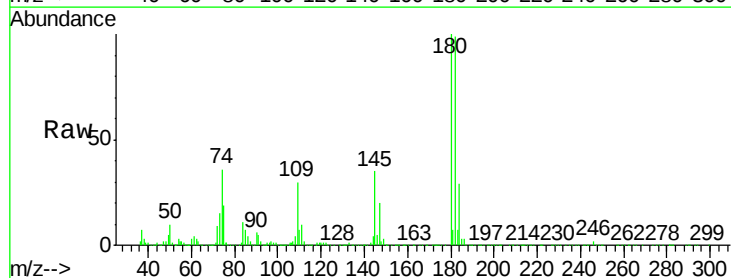
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.191 ug/L
 RT: 14.79 min Scan# 2212
 Delta R.T. 0.00 min
 Lab File: VR025473.D
 Acq: 16 Jul 2018 12:47

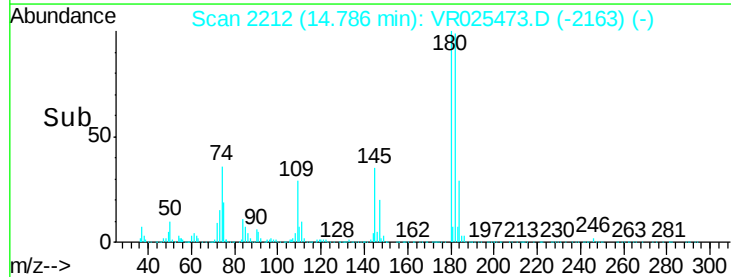
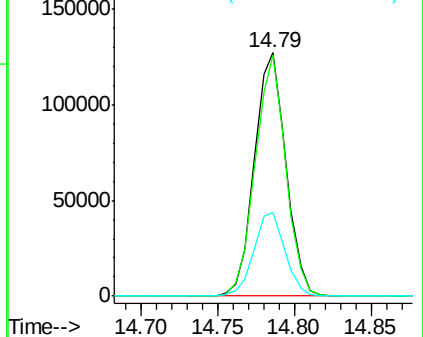
Tgt Ion:	180	Resp:	181971
Ion	Ratio	Lower	Upper
180	100		
182	96.2	75.0	112.4
145	34.0	27.3	40.9

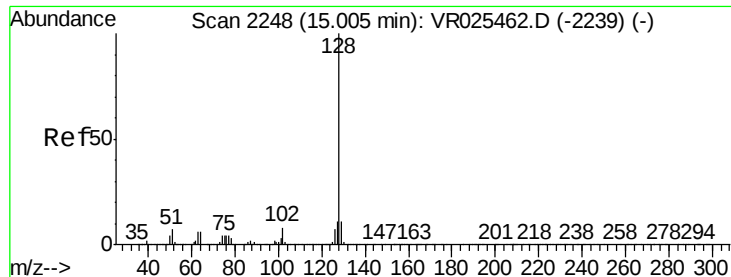


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.828 ug/L

RT: 15.00 min Scan# 2247

Delta R.T. -0.01 min

Lab File: VR025473.D

Acq: 16 Jul 2018 12:47

Instrument :

MSVOA_R

ClientSampleId :

VSTD00592

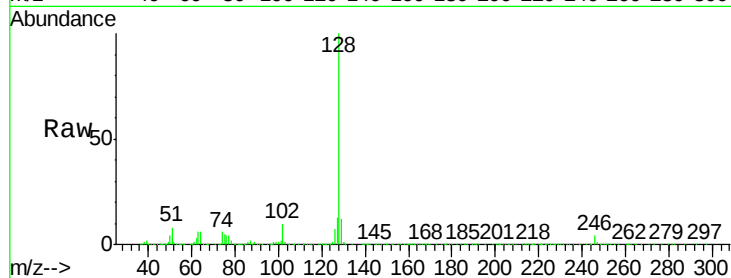
Tgt Ion:128 Resp: 261623

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

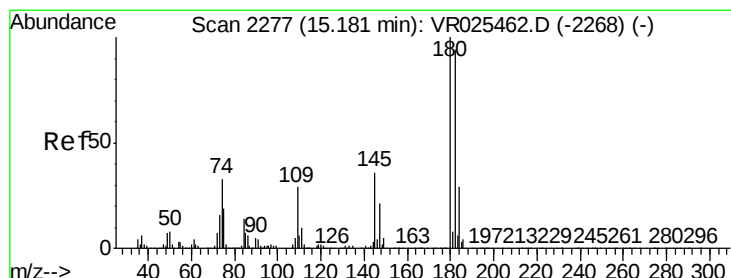
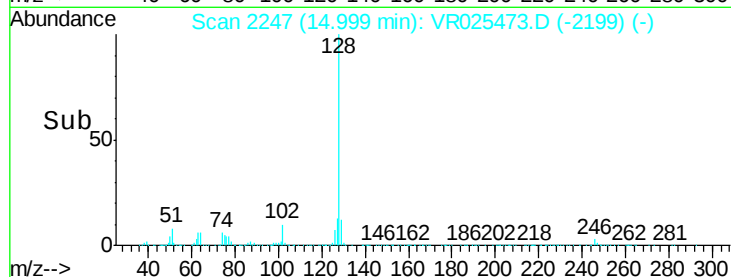
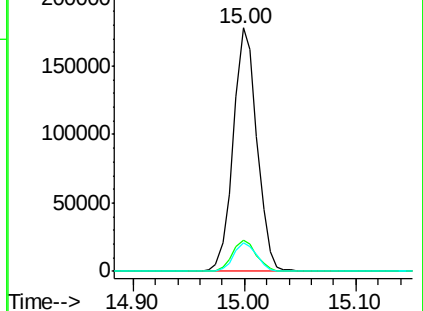
129 11.6 8.6 13.0



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: 5.274 ug/L

RT: 15.18 min Scan# 2277

Delta R.T. 0.00 min

Lab File: VR025473.D

Acq: 16 Jul 2018 12:47

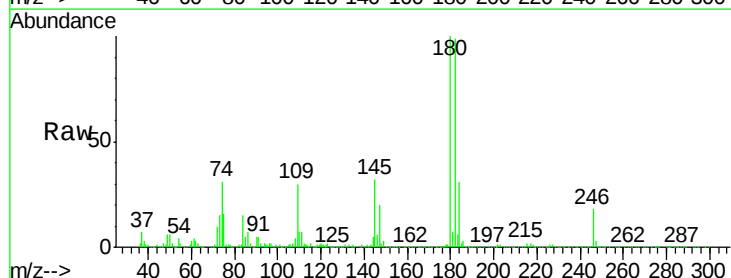
Tgt Ion:180 Resp: 142608

Ion Ratio Lower Upper

180 100

182 98.6 75.2 112.8

145 36.9 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

