

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR061918\
 Data File : VR025373.D
 Acq On : 19 Jun 2018 19:13
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00590

Quant Time: Jun 20 01:38:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR061518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jun 20 01:37:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	540606	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	475634	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	198852	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	78530	4.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.20%
7) Chloroethane-d5	2.64	69	59607	4.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.00%
11) 1,1-Dichloroethene-d2	3.64	63	223885	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.60%
20) 2-Butanone-d5	6.60	46	322255	65.29	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	130.58%#
24) Chloroform-d	7.20	84	391759	5.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.00%
26) 1,2-Dichloroethane-d4	7.90	65	159233	6.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	121.00%
32) Benzene-d6	7.86	84	808036	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
36) 1,2-Dichloropropane-d6	8.90	67	243490	5.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.20%
41) Toluene-d8	9.97	98	725914	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
43) trans-1,3-Dichloropropene-	10.24	79	54737	4.49	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.80%
46) 2-Hexanone-d5	10.59	63	298239	70.47	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	140.94%#
57) 1,1,2,2-Tetrachloroethane-	12.36	84	124170	6.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	139.20%#
64) 1,2-Dichlorobenzene-d4	13.51	152	172889	5.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	175493	5.022 ug/L	98
3) Chloromethane	2.01	50	116208	4.594 ug/L	97
5) Vinyl chloride	2.16	62	99786	4.458 ug/L	94
6) Bromomethane	2.53	94	45168	4.139 ug/L	94
8) Chloroethane	2.67	64	54345	4.650 ug/L	96
9) Trichlorofluoromethane	2.97	101	164517	5.032 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	96096	5.010 ug/L	98
12) 1,1-Dichloroethene	3.66	96	95826	5.043 ug/L	96
13) Acetone	3.71	43	131316	58.909 ug/L	99
14) Carbon disulfide	3.98	76	160985	4.027 ug/L	97
15) Methyl Acetate	4.20	43	30556	5.452 ug/L	96
16) Methylene chloride	4.40	84	43216	2.500 ug/L	87
17) Methyl tert-butyl Ether	4.91	73	319134	5.634 ug/L	99
18) trans-1,2-Dichloroethene	4.89	96	203977	5.221 ug/L	92
19) 1,1-Dichloroethane	5.70	63	398028	5.423 ug/L	99
21) 2-Butanone	6.69	43	366877	69.633 ug/L	99
22) cis-1,2-Dichloroethene	6.68	96	233823	5.736 ug/L #	96

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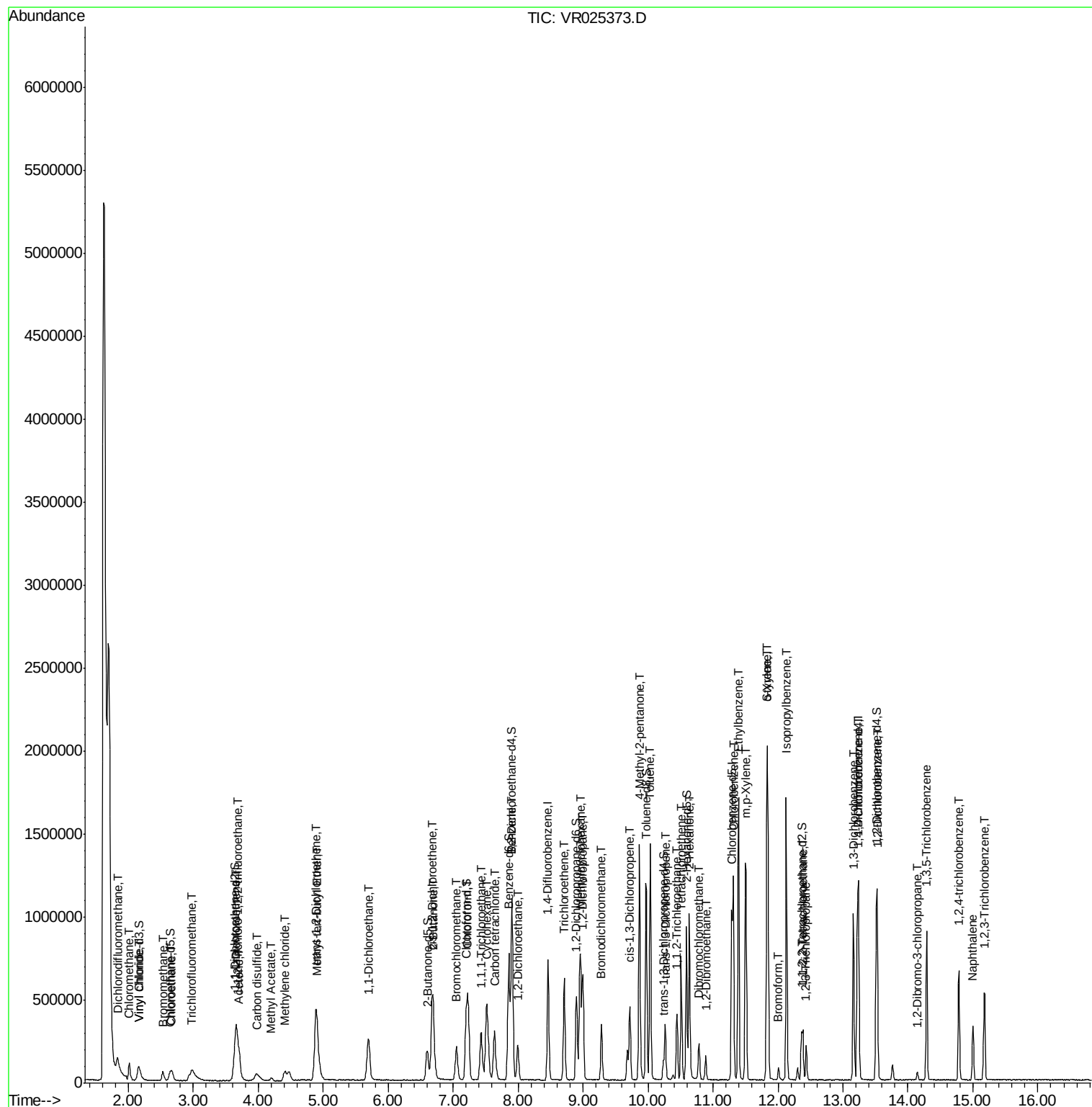
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	69572	5.828	ug/L	93
25) Chloroform	7.23	83	384594	5.733	ug/L	95
27) 1,2-Dichloroethane	8.00	62	179774	5.871	ug/L	96
29) 1,1,1-Trichloroethane	7.43	97	248127	4.392	ug/L	98
30) Cyclohexane	7.52	56	310401	4.304	ug/L	97
31) Carbon tetrachloride	7.64	117	232474	4.687	ug/L	99
33) Benzene	7.91	78	944025	5.055	ug/L	100
34) Trichloroethene	8.71	95	212021	4.693	ug/L	97
35) Methylcyclohexane	8.95	83	326758	4.583	ug/L	99
37) 1,2-Dichloropropane	8.99	63	230822	5.560	ug/L	100
38) Bromodichloromethane	9.28	83	210903	5.238	ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	231108	4.727	ug/L	98
40) 4-Methyl-2-pentanone	9.86	43	890853	66.314	ug/L	99
42) Toluene	10.03	91	959504	4.795	ug/L	98
44) trans-1,3-Dichloropropene	10.27	75	163499	4.862	ug/L	94
45) 1,1,2-Trichloroethane	10.44	97	114703	5.952	ug/L	95
47) Tetrachloroethene	10.52	164	142890	4.738	ug/L	98
48) 2-Hexanone	10.64	43	596268	69.629	ug/L	97
49) Dibromochloromethane	10.78	129	99607	5.368	ug/L	98
50) 1,2-Dibromoethane	10.89	107	88629	5.737	ug/L	96
51) Chlorobenzene	11.31	112	552609	5.156	ug/L	97
52) Ethylbenzene	11.39	91	1050785	5.293	ug/L	98
53) m,p-Xylene	11.50	106	386881	5.104	ug/L	93
54) o-Xylene	11.83	106	369408	5.454	ug/L	99
55) Styrene	11.84	104	603096	5.793	ug/L	98
56) Isopropylbenzene	12.13	105	974804	5.352	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.38	83	122355	6.856	ug/L	99
59) 1,2,3-Trichloropropane	12.44	75	83015	6.445	ug/L	96
61) Bromoform	12.01	173	29531	4.164	ug/L	97
62) 1,3-Dichlorobenzene	13.16	146	338446	4.849	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	364906	5.230	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	301150	5.385	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.15	75	11507	5.207	ug/L #	84
67) 1,3,5-Trichlorobenzene	14.29	180	233563	5.054	ug/L	100
68) 1,2,4-trichlorobenzene	14.79	180	163427	5.079	ug/L	99
69) Naphthalene	15.00	128	232504	5.552	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	144637	5.809	ug/L	99

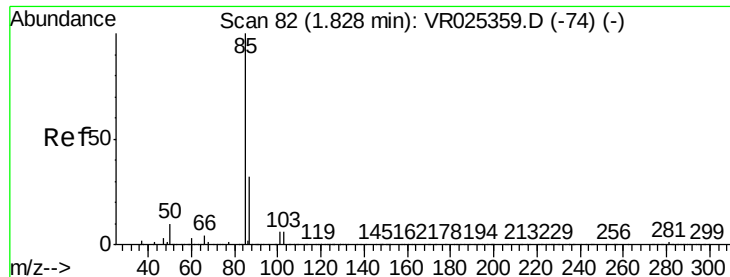
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.022 ug/L

RT: 1.83 min Scan# 83

Delta R.T. 0.01 min

Lab File: VR025373.D

Acq: 19 Jun 2018 19:13

Instrument :

MSVOA_R

ClientSampled :

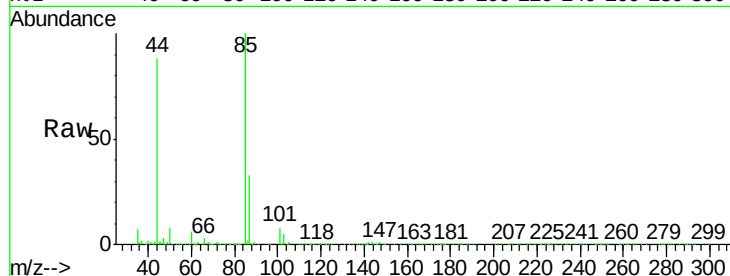
VSTD00590

Tgt Ion: 85 Resp: 175493

Ion Ratio Lower Upper

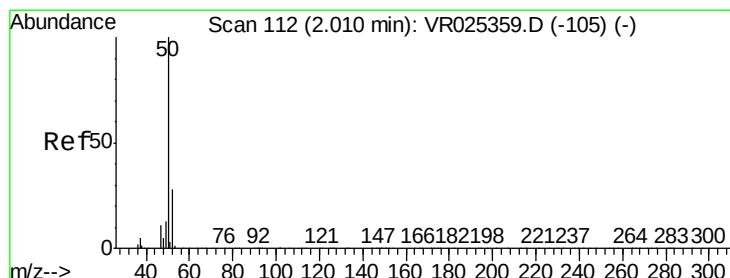
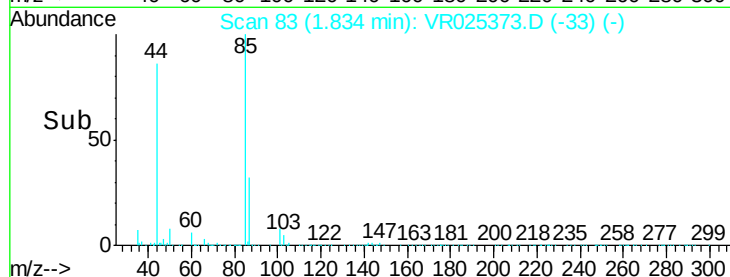
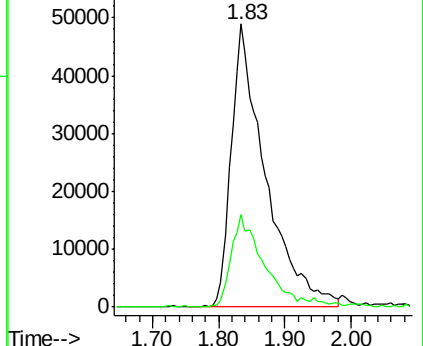
85 100

87 30.7 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: 4.594 ug/L

RT: 2.01 min Scan# 112

Delta R.T. -0.00 min

Lab File: VR025373.D

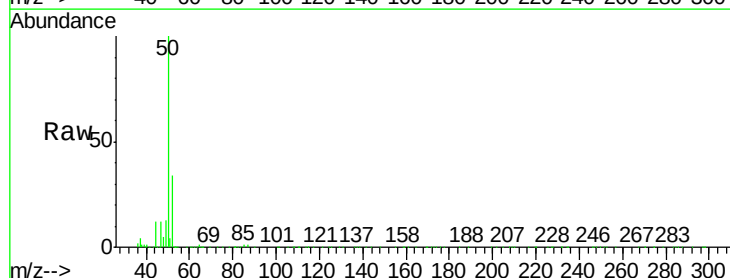
Acq: 19 Jun 2018 19:13

Tgt Ion: 50 Resp: 116208

Ion Ratio Lower Upper

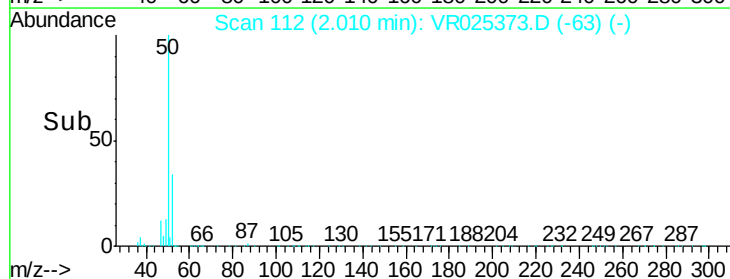
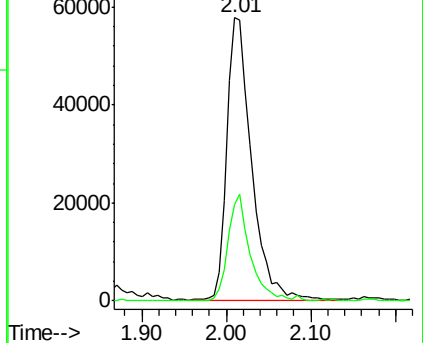
50 100

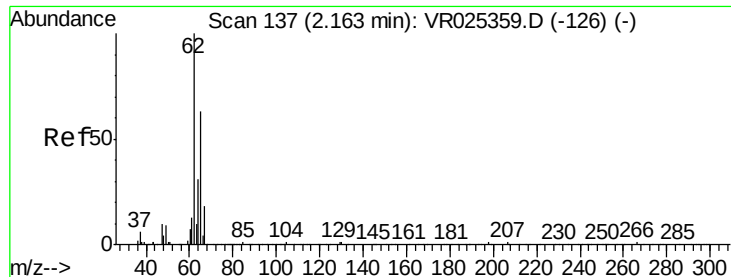
52 34.0 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 4.458 ug/L

RT: 2.16 min Scan# 136

Delta R.T. -0.01 min

Lab File: VR025373.D

Acq: 19 Jun 2018 19:13

Instrument :

MSVOA_R

ClientSampleId :

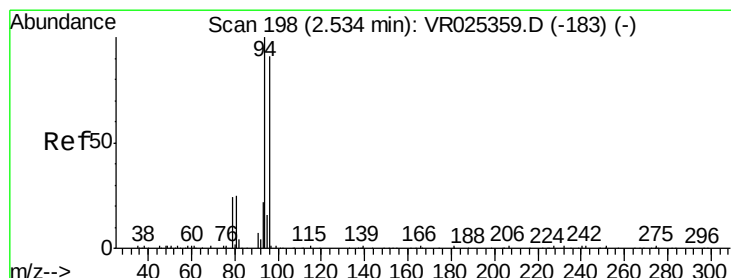
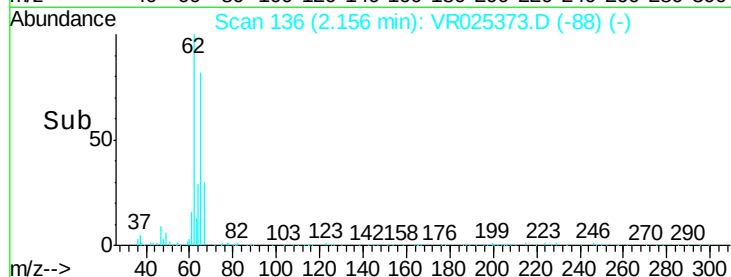
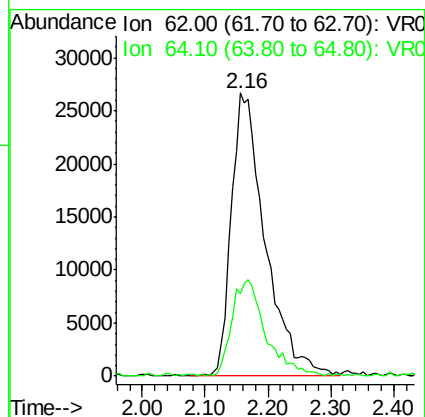
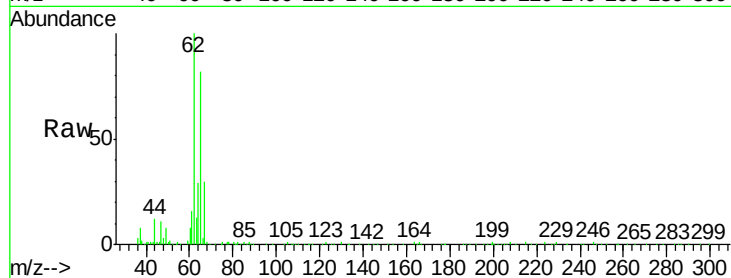
VSTD00590

Tgt Ion: 62 Resp: 99786

Ion Ratio Lower Upper

62 100

64 29.0 22.8 42.4



#6

Bromomethane

Concen: 4.139 ug/L

RT: 2.53 min Scan# 198

Delta R.T. -0.00 min

Lab File: VR025373.D

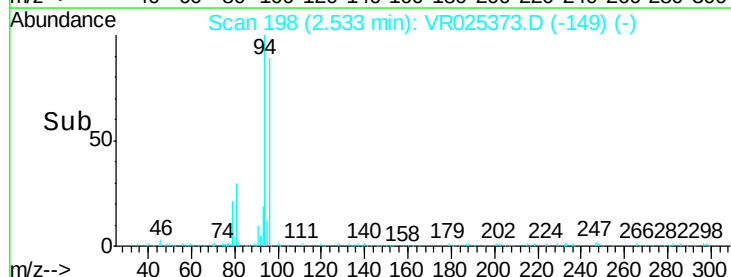
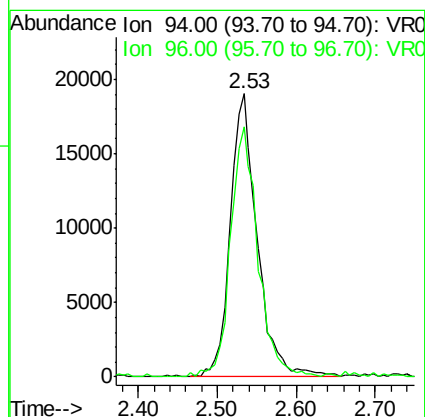
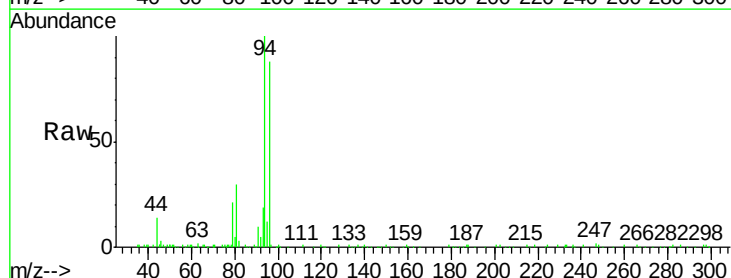
Acq: 19 Jun 2018 19:13

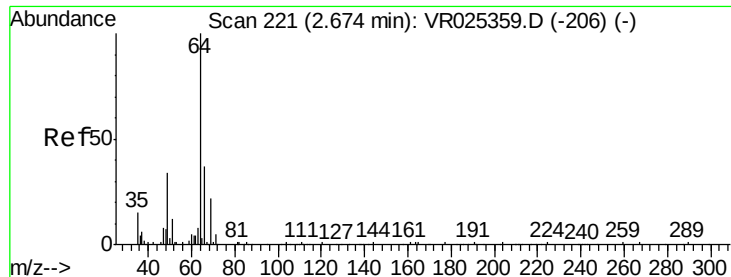
Tgt Ion: 94 Resp: 45168

Ion Ratio Lower Upper

94 100

96 88.5 65.9 122.3





#8

Chloroethane

Concen: 4.650 ug/L

RT: 2.67 min Scan# 221

Delta R.T. -0.00 min

Lab File: VR025373.D

Acq: 19 Jun 2018 19:13

Instrument :

MSVOA_R

ClientSampleId :

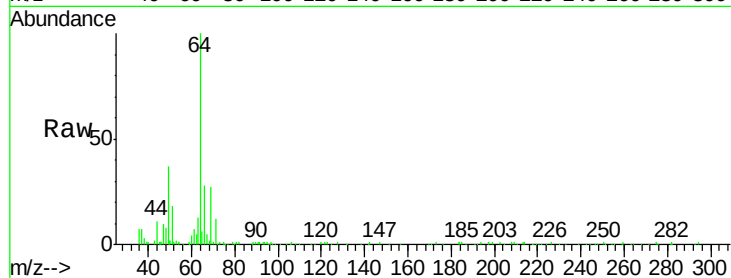
VSTD00590

Tgt Ion: 64 Resp: 54345

Ion Ratio Lower Upper

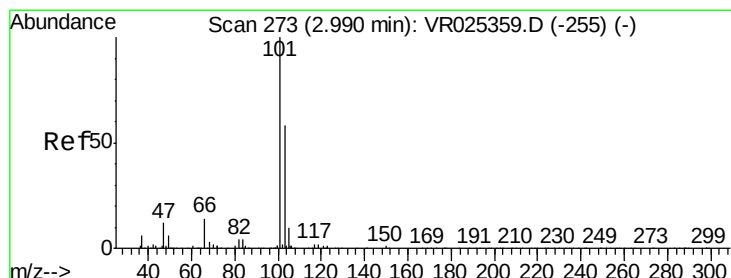
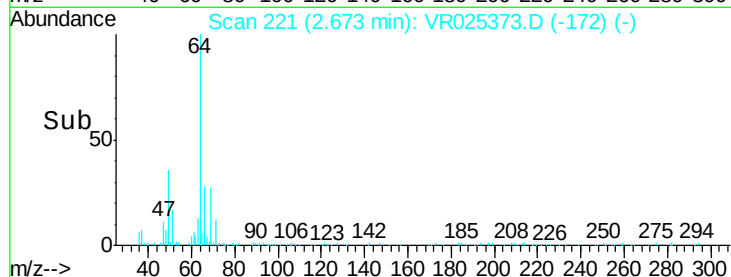
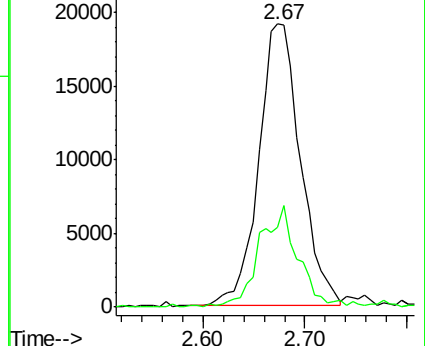
64 100

66 28.1 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: 5.032 ug/L

RT: 2.97 min Scan# 270

Delta R.T. -0.02 min

Lab File: VR025373.D

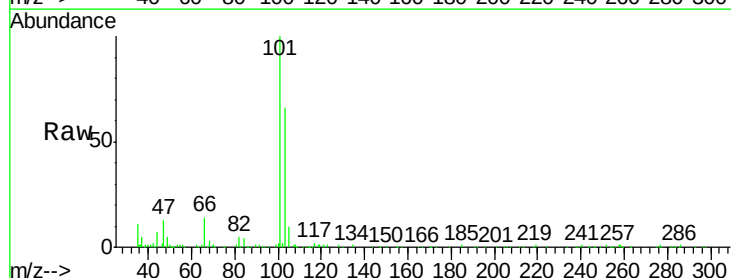
Acq: 19 Jun 2018 19:13

Tgt Ion: 101 Resp: 164517

Ion Ratio Lower Upper

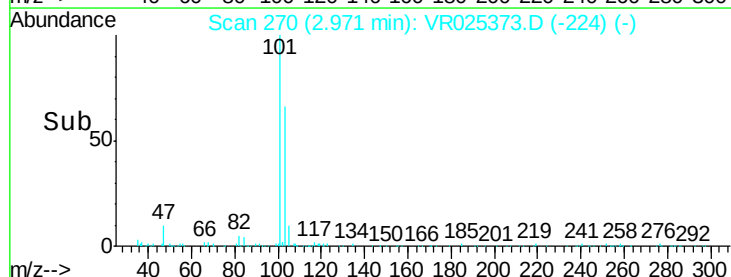
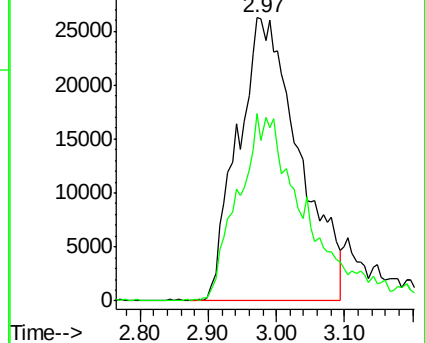
101 100

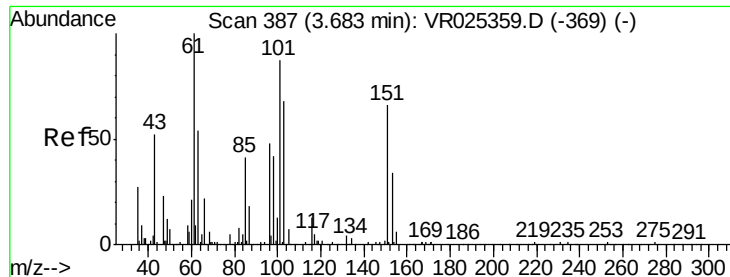
103 66.4 11.0 16.4#



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: 5.010 ug/L

RT: 3.69 min Scan# 388

Delta R.T. 0.01 min

Lab File: VR025373.D

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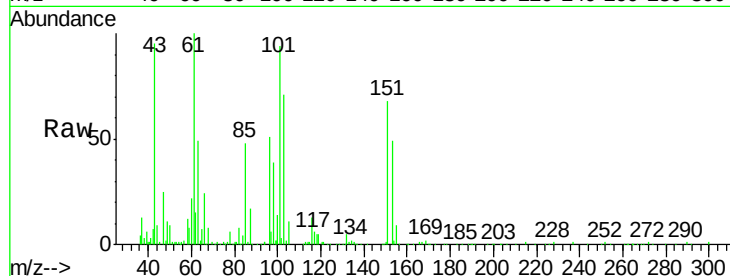
Tgt Ion:101 Resp: 96096

Ion Ratio Lower Upper

101 100

85 50.8 39.1 58.7

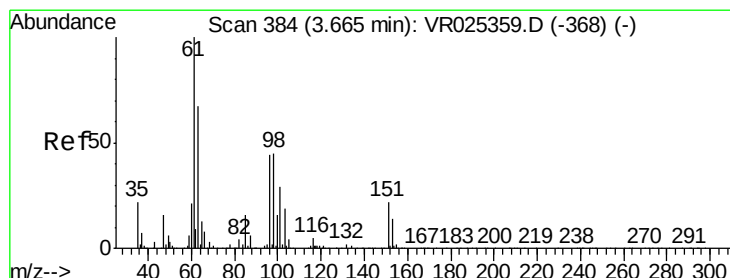
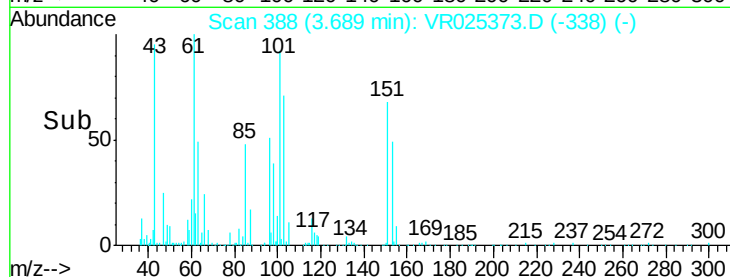
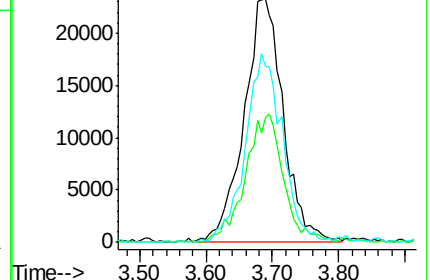
151 72.6 57.5 86.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.043 ug/L

RT: 3.66 min Scan# 383

Delta R.T. -0.01 min

Lab File: VR025373.D

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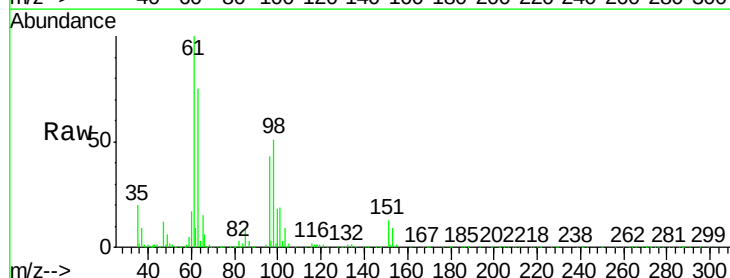
Tgt Ion: 96 Resp: 95826

Ion Ratio Lower Upper

96 100

61 230.5 155.0 287.9

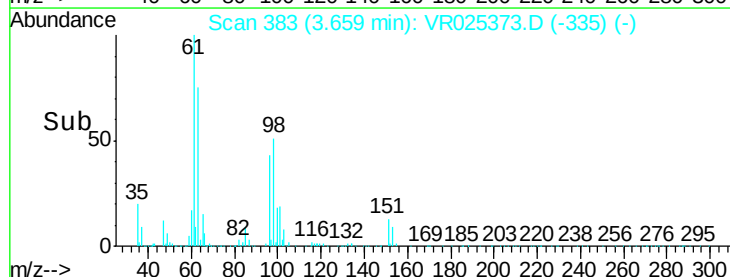
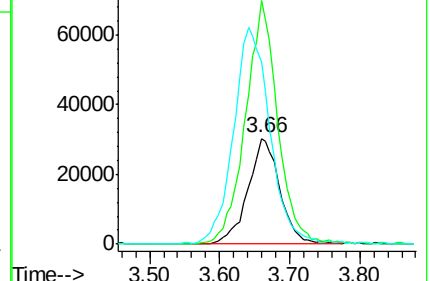
63 172.0 122.3 227.1

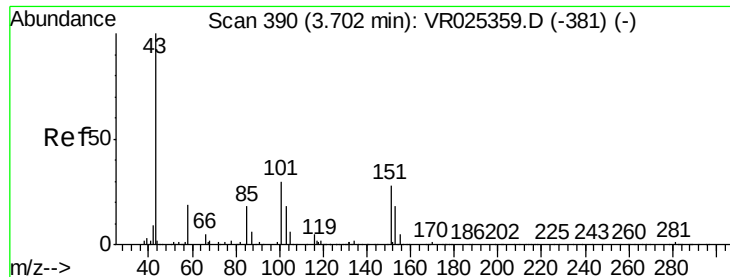


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 58.909 ug/L

RT: 3.71 min Scan# 391

Delta R.T. 0.01 min

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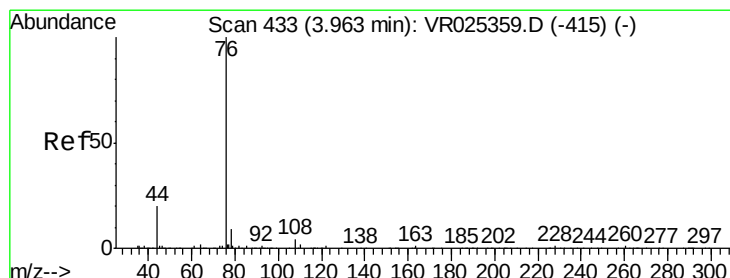
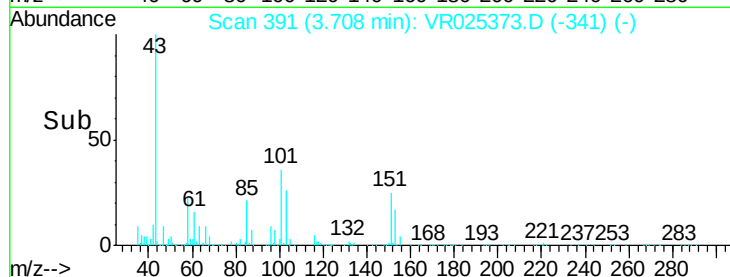
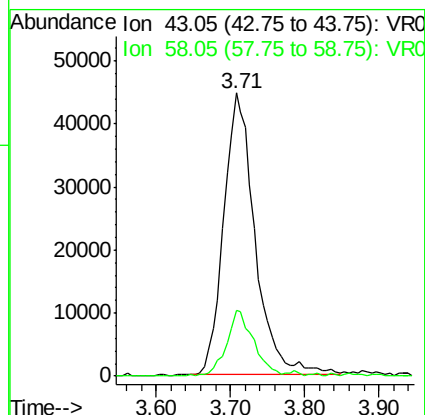
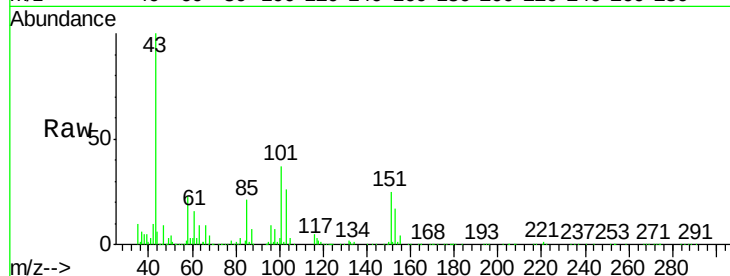
VSTD00590

Tgt Ion: 43 Resp: 131316

Ion Ratio Lower Upper

43 100

58 20.4 0.0 41.6



#14

Carbon disulfide

Concen: 4.027 ug/L

RT: 3.98 min Scan# 436

Delta R.T. 0.02 min

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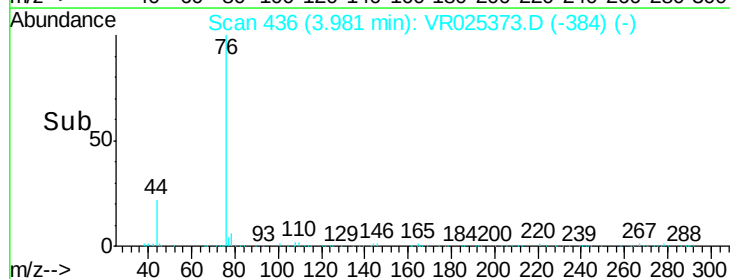
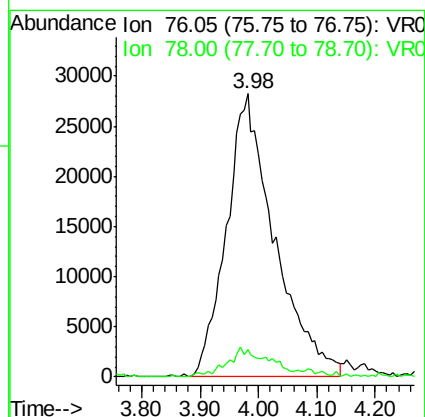
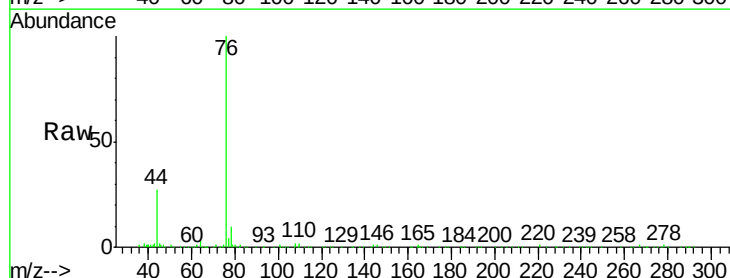
Acq: 19 Jun 2018 19:13

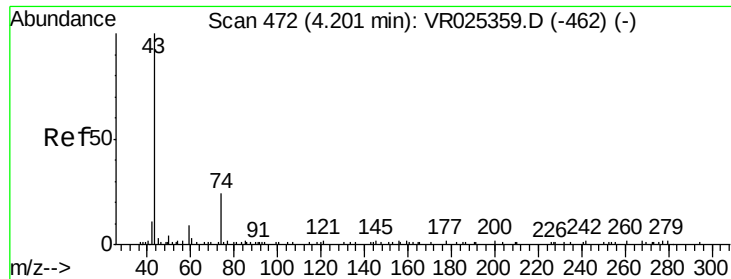
Tgt Ion: 76 Resp: 160985

Ion Ratio Lower Upper

76 100

78 10.5 7.4 11.2

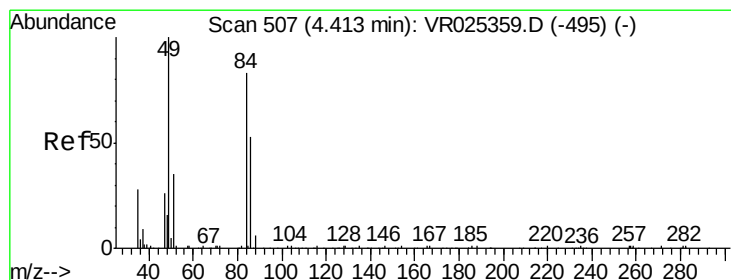
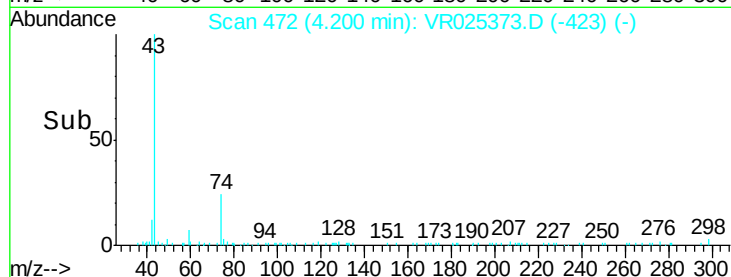
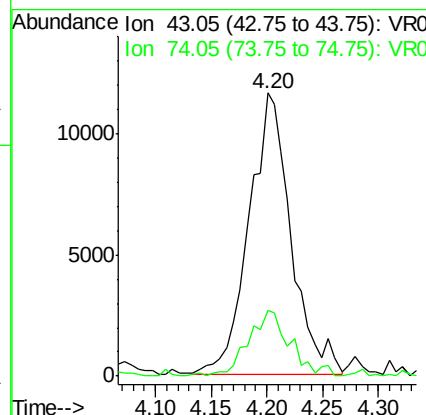
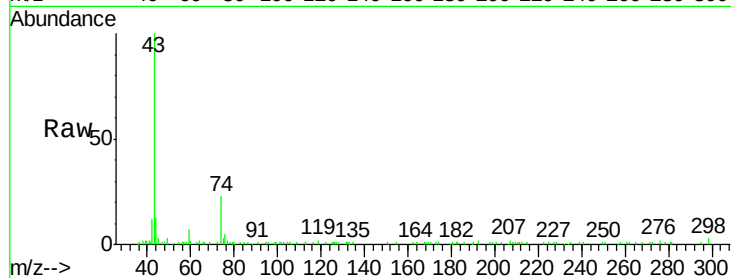




#15
Methyl Acetate
Concen: 5.452 ug/L
RT: 4.20 min Scan# 472
Delta R.T. -0.00 min
Lab File: VR025373.D
Acq: 19 Jun 2018 19:13

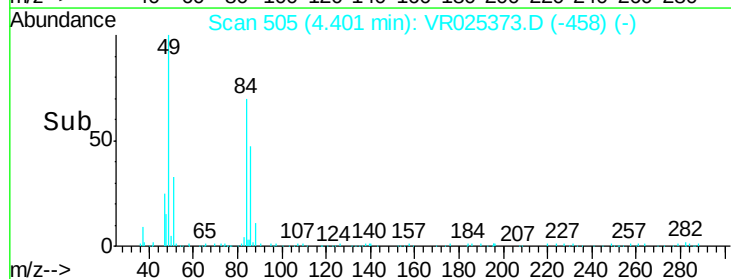
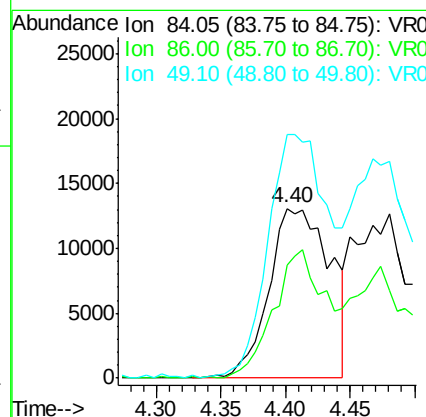
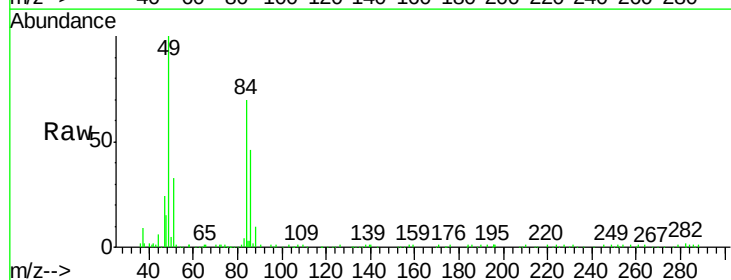
Instrument :
MSVOA_R
ClientSampled :
VSTD00590

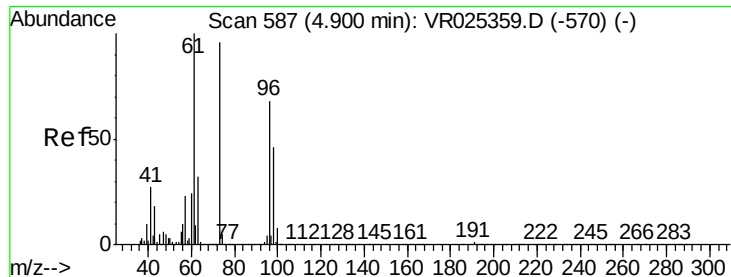
Tgt Ion: 43 Resp: 30556
Ion Ratio Lower Upper
43 100
74 22.9 16.7 25.1



#16
Methylene chloride
Concen: 2.500 ug/L
RT: 4.40 min Scan# 505
Delta R.T. -0.01 min
Lab File: VR025373.D
Acq: 19 Jun 2018 19:13

Tgt Ion: 84 Resp: 43216
Ion Ratio Lower Upper
84 100
86 66.4 43.7 81.1
49 143.7 87.2 162.0





#17

Methyl tert-butyl Ether

Concen: 5.634 ug/L

RT: 4.91 min Scan# 589

Delta R.T. 0.01 min

Lab File: VR025373.D

Acq: 19 Jun 2018 19:13

Instrument :

MSVOA_R

ClientSampleId :

VSTD00590

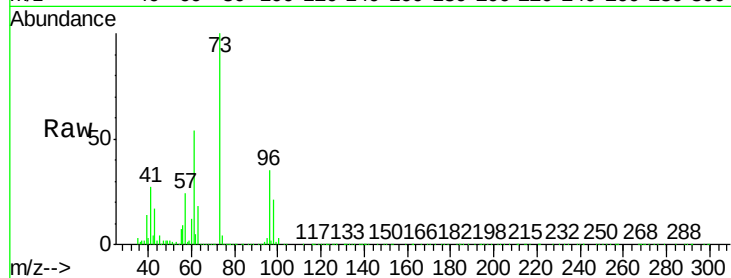
Tgt Ion: 73 Resp: 319134

Ion Ratio Lower Upper

73 100

43 18.9 15.8 23.6

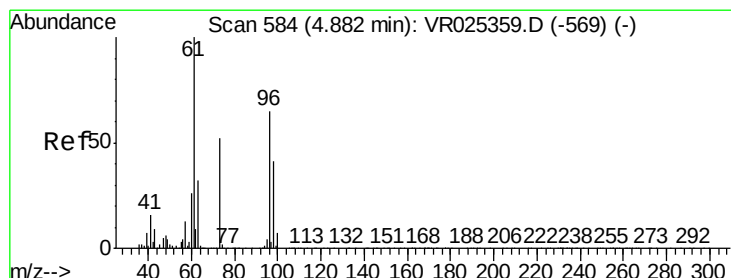
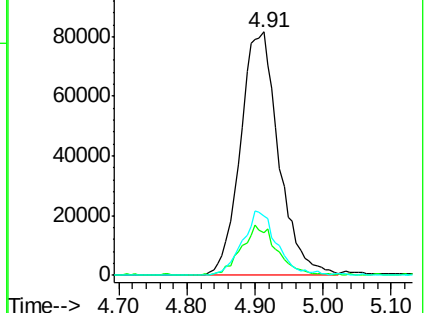
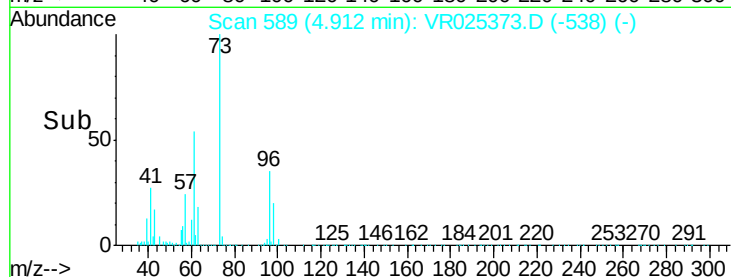
57 23.8 19.0 28.4



Abundance Ion 73.10 (72.80 to 73.80): VR0

Ion 43.05 (42.75 to 43.75): VR0

Ion 57.10 (56.80 to 57.80): VR0



#18

trans-1,2-Dichloroethene

Concen: 5.221 ug/L

RT: 4.89 min Scan# 585

Delta R.T. 0.01 min

Lab File: VR025373.D

Acq: 19 Jun 2018 19:13

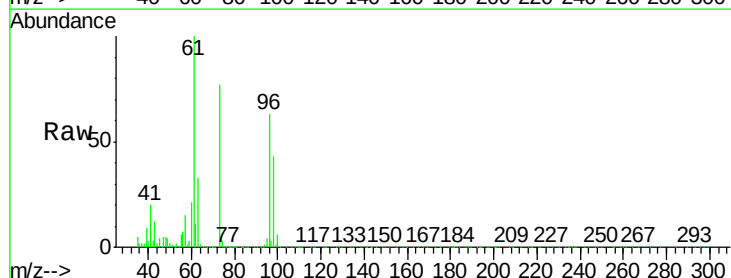
Tgt Ion: 96 Resp: 203977

Ion Ratio Lower Upper

96 100

61 158.1 104.4 193.8

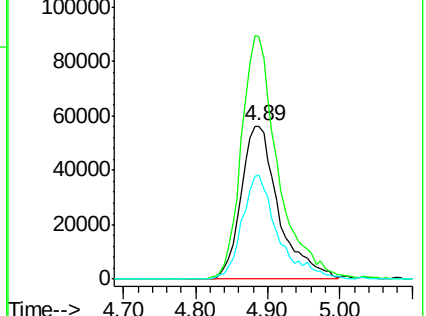
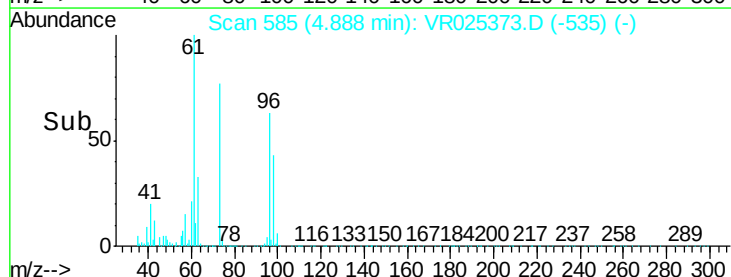
98 68.2 43.1 80.1

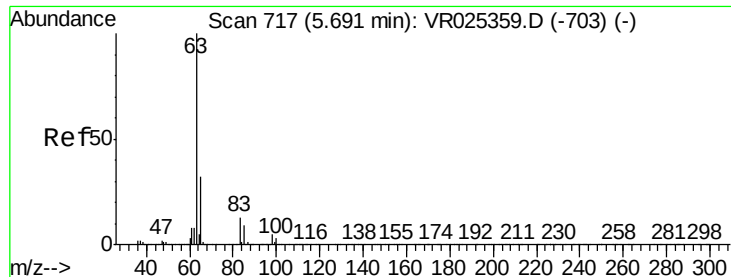


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 97.95 (97.65 to 98.65): VR0

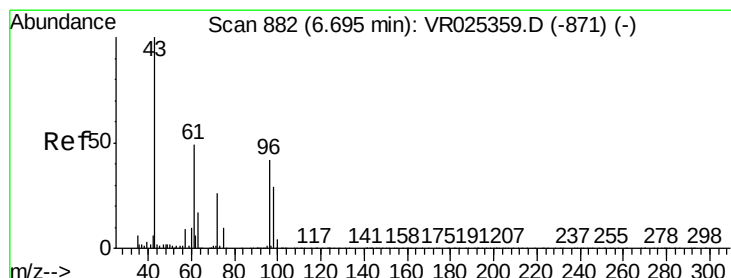
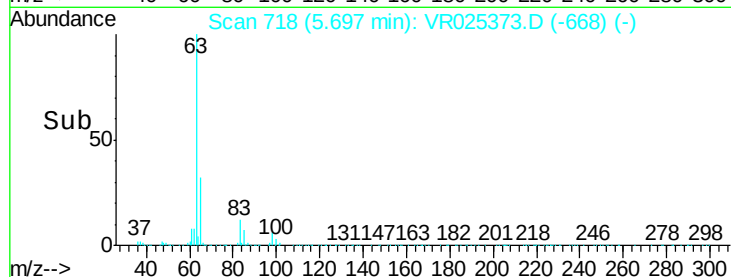
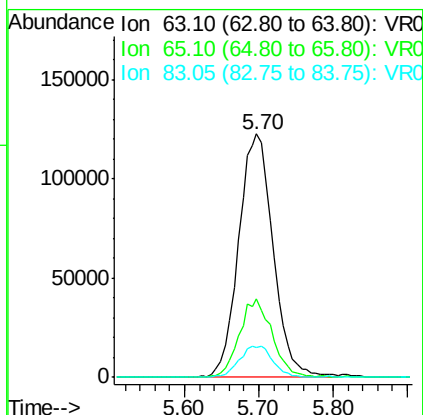
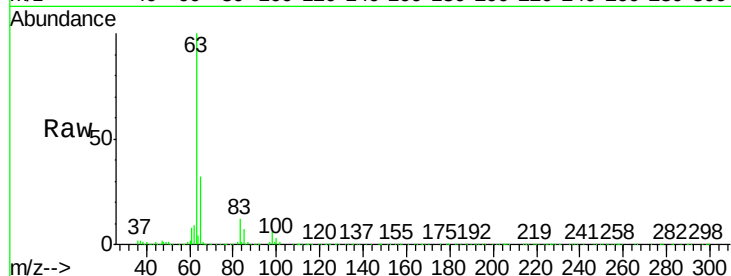




#19
 1,1-Dichloroethane
 Concen: 5.423 ug/L
 RT: 5.70 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VR025373.D
 Acq: 19 Jun 2018 19:13

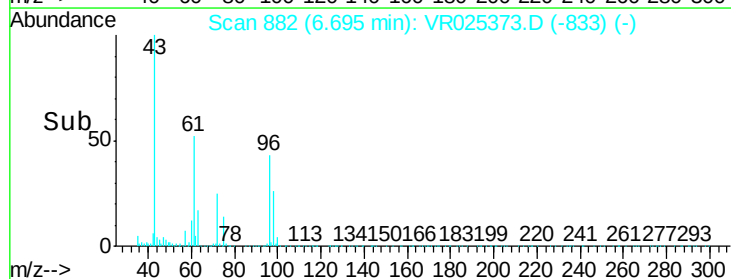
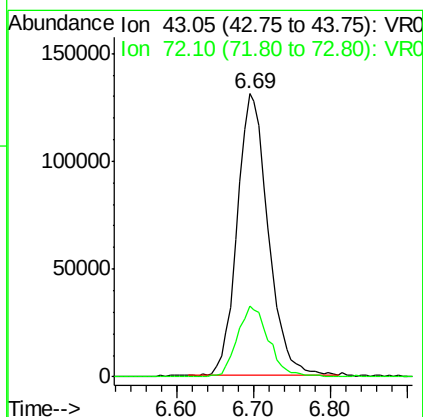
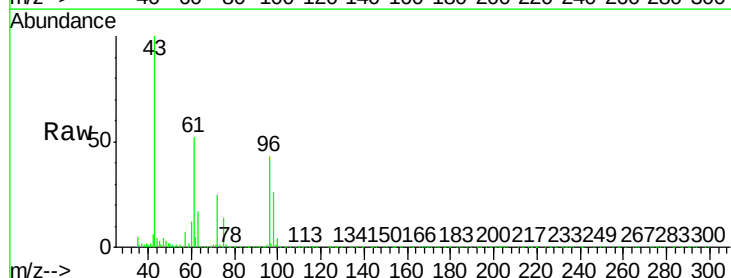
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00590

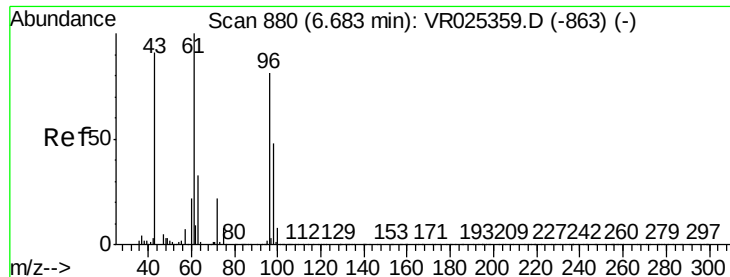
Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.4	22.5	41.7
83	12.3	9.5	17.7



#21
 2-Butanone
 Concen: 69.633 ug/L
 RT: 6.69 min Scan# 882
 Delta R.T. -0.00 min
 Lab File: VR025373.D
 Acq: 19 Jun 2018 19:13

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.3	13.0	38.9



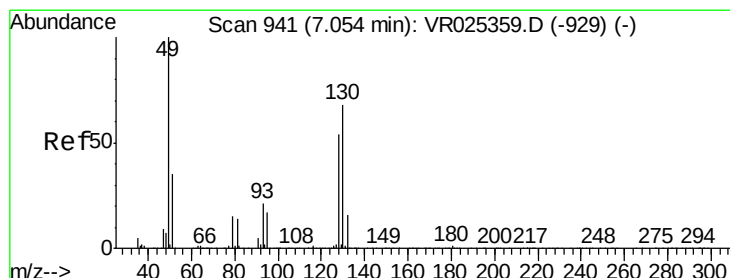
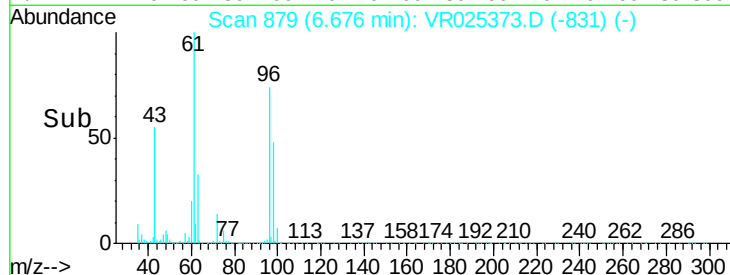
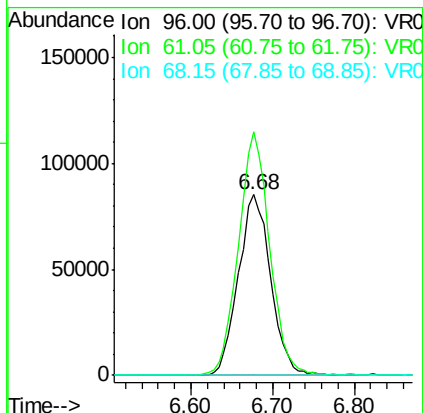
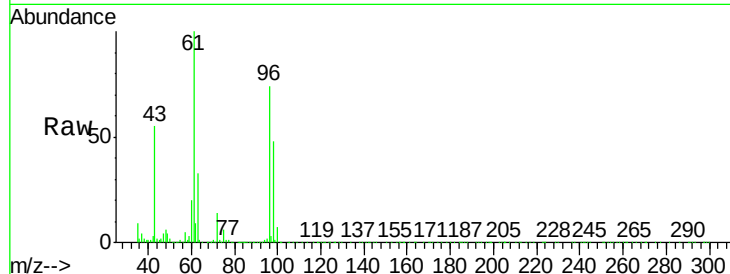


#22

cis-1,2-Dichloroethene
 Concen: 5.736 ug/L
 RT: 6.68 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: VR025373.D
 Acq: 19 Jun 2018 19:13

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00590

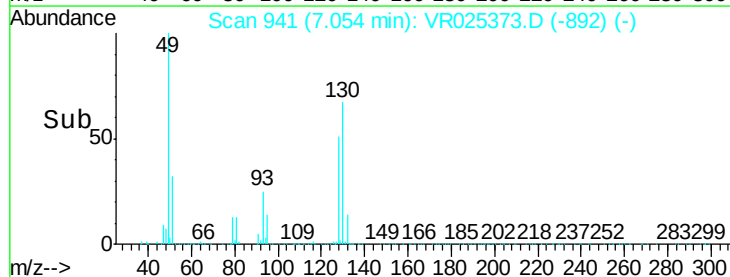
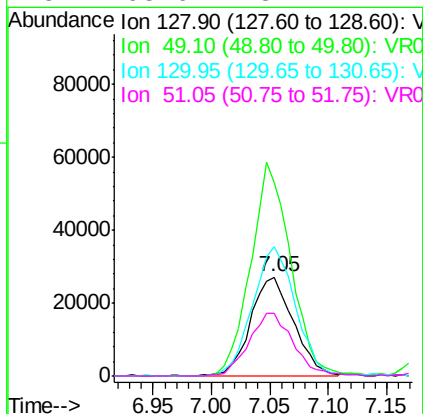
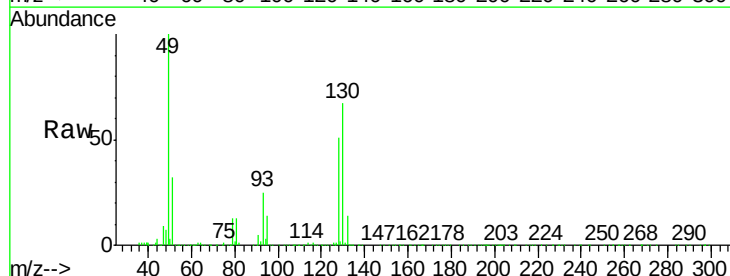
Tgt Ion: 96 Resp: 233823
 Ion Ratio Lower Upper
 96 100
 61 134.8 91.0 169.0
 68 0.2 0.0 0.0#

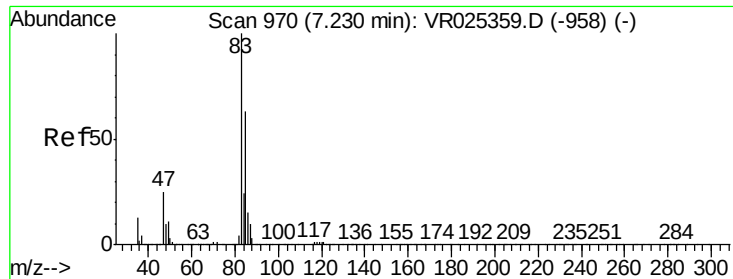


#23

Bromochloromethane
 Concen: 5.828 ug/L
 RT: 7.05 min Scan# 941
 Delta R.T. -0.00 min
 Lab File: VR025373.D
 Acq: 19 Jun 2018 19:13

Tgt Ion: 128 Resp: 69572
 Ion Ratio Lower Upper
 128 100
 49 196.1 128.7 238.9
 130 130.8 87.2 161.9
 51 63.6 48.2 72.2

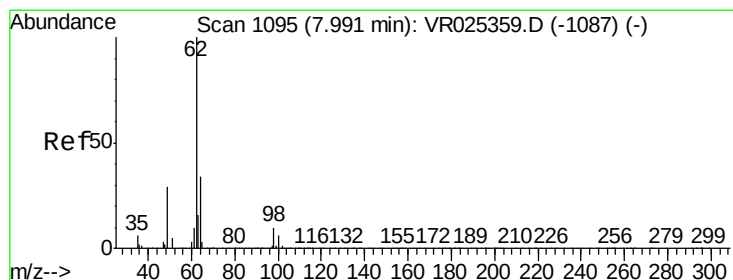
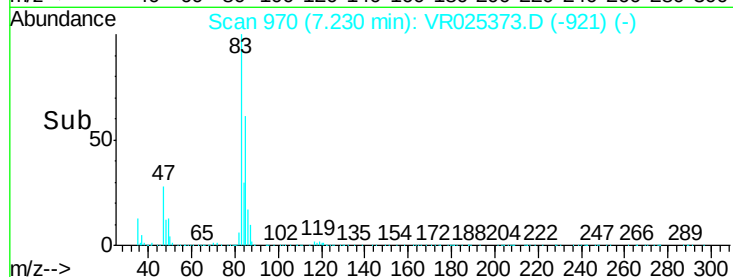
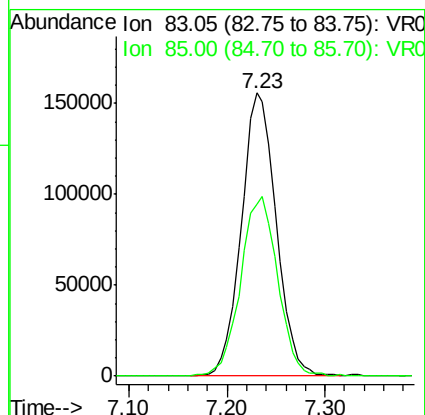
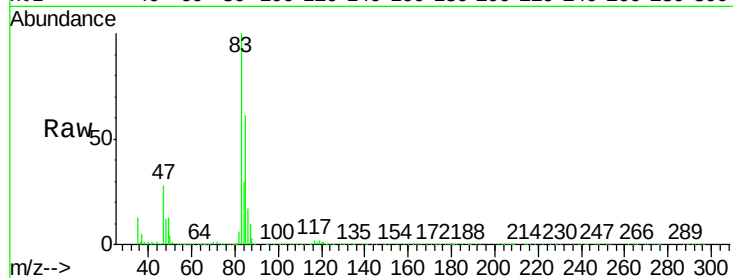




#25
Chloroform
Concen: 5.733 ug/L
RT: 7.23 min Scan# 970
Delta R.T. -0.00 min
Lab File: VR025373.D
Acq: 19 Jun 2018 19:13

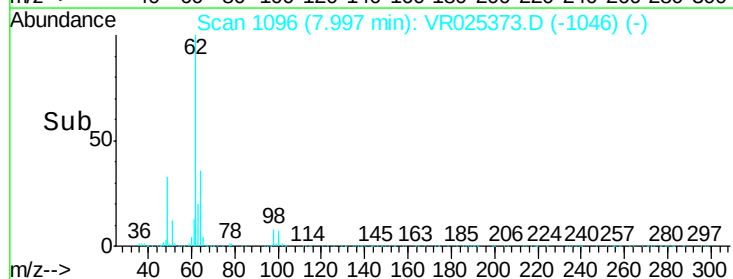
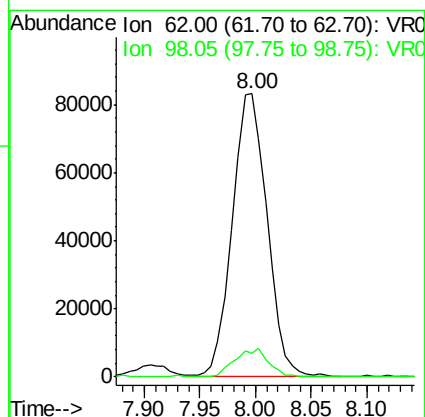
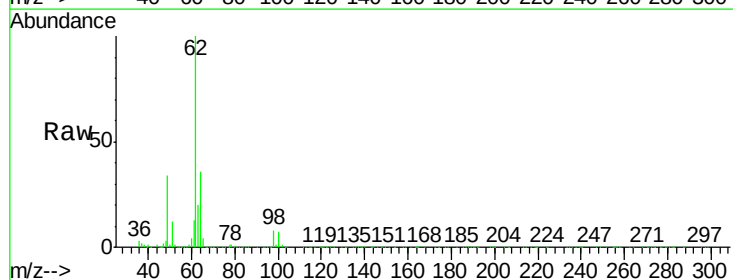
Instrument :
MSVOA_R
ClientSampleId :
VSTD00590

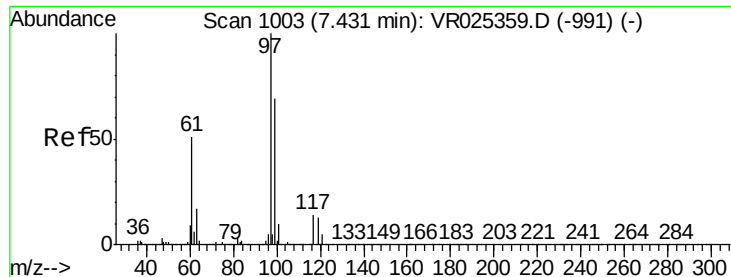
Tgt Ion: 83 Resp: 384594
Ion Ratio Lower Upper
83 100
85 60.9 45.4 84.4



#27
1,2-Dichloroethane
Concen: 5.871 ug/L
RT: 8.00 min Scan# 1096
Delta R.T. 0.01 min
Lab File: VR025373.D
Acq: 19 Jun 2018 19:13

Tgt Ion: 62 Resp: 179774
Ion Ratio Lower Upper
62 100
98 8.1 5.4 8.2

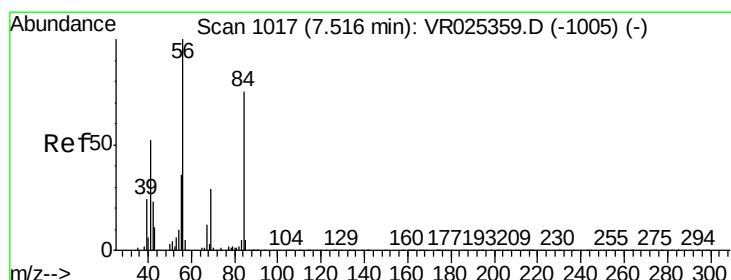
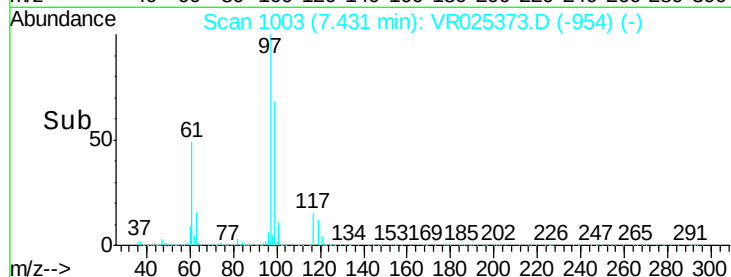
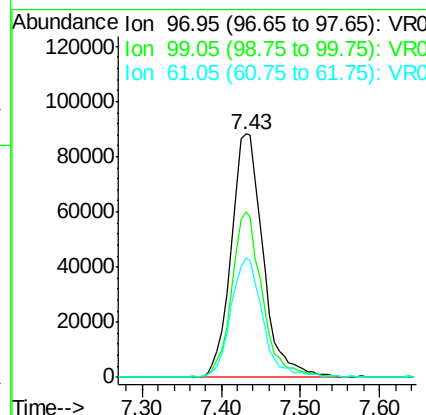
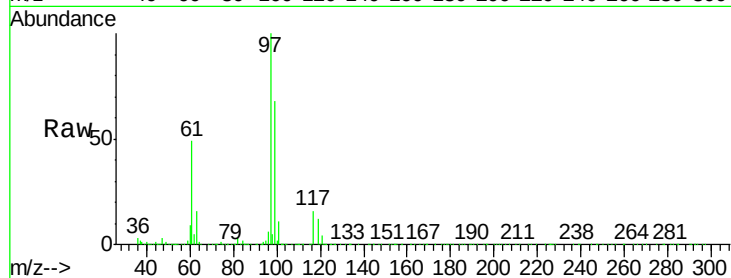




#29
1,1,1-Trichloroethane
Concen: 4.392 ug/L
RT: 7.43 min Scan# 1003
Delta R.T. -0.00 min
Lab File: VR025373.D
Acq: 19 Jun 2018 19:13

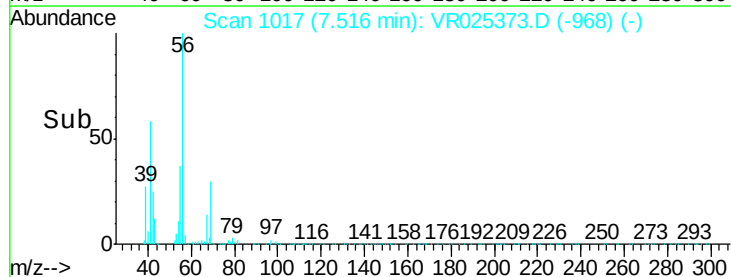
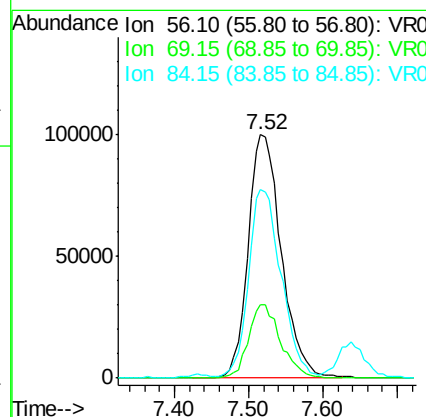
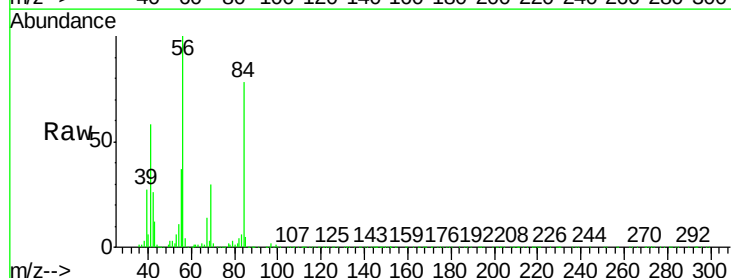
Instrument :
MSVOA_R
ClientSampleId :
VSTD00590

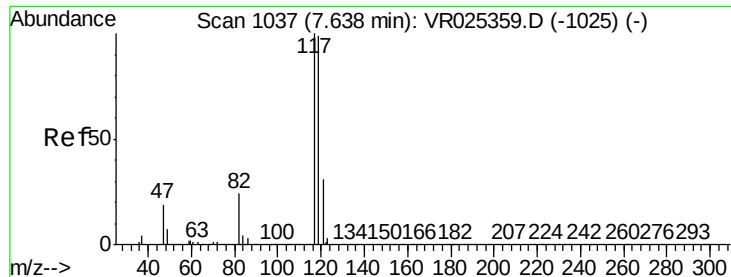
Tgt Ion: 97 Resp: 248127
Ion Ratio Lower Upper
97 100
99 65.3 52.1 78.1
61 48.8 37.0 55.6



#30
Cyclohexane
Concen: 4.304 ug/L
RT: 7.52 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VR025373.D
Acq: 19 Jun 2018 19:13

Tgt Ion: 56 Resp: 310401
Ion Ratio Lower Upper
56 100
69 29.3 23.7 35.5
84 75.0 62.6 93.8

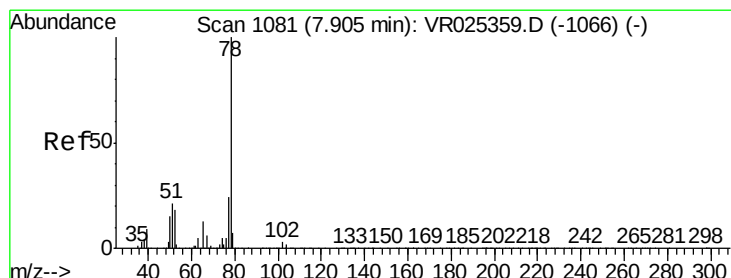
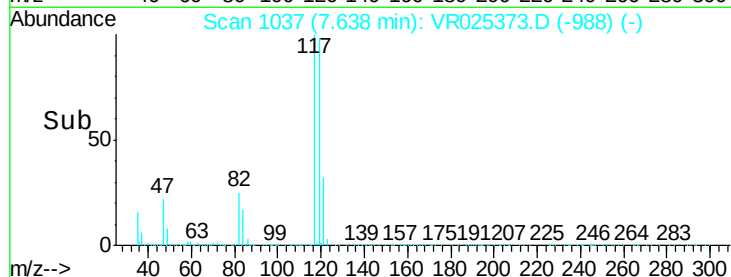
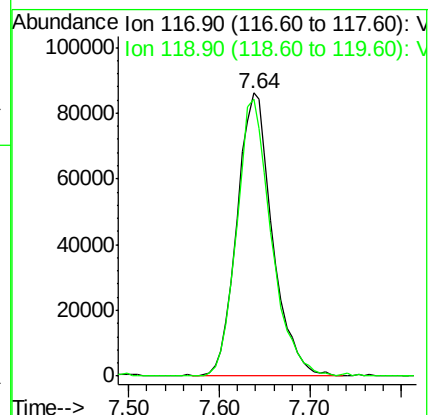
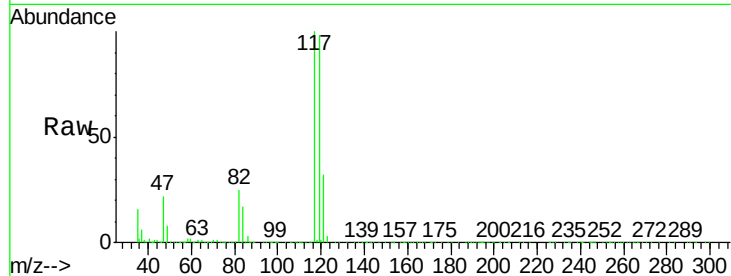




#31
Carbon tetrachloride
Concen: 4.687 ug/L
RT: 7.64 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VR025373.D
Acq: 19 Jun 2018 19:13

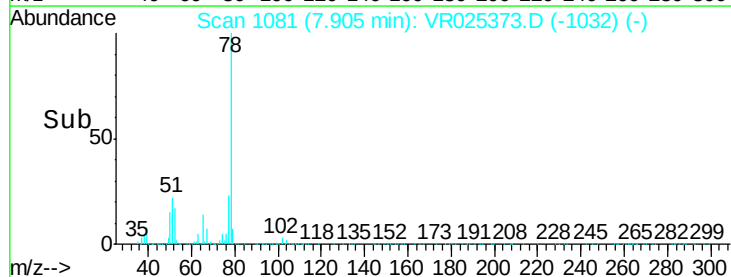
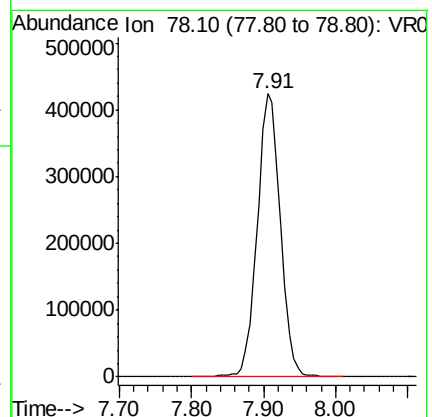
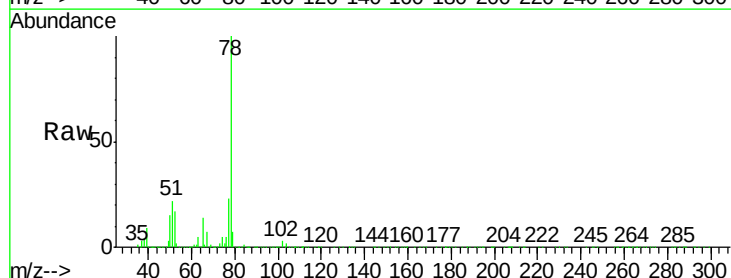
Instrument :
MSVOA_R
ClientSampleId :
VSTD00590

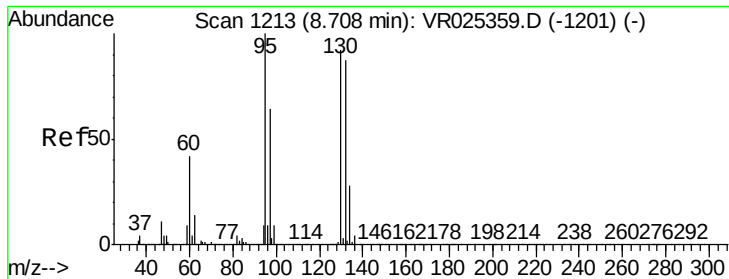
Tgt Ion:117 Resp: 232474
Ion Ratio Lower Upper
117 100
119 95.6 75.5 113.3



#33
Benzene
Concen: 5.055 ug/L
RT: 7.91 min Scan# 1081
Delta R.T. -0.00 min
Lab File: VR025373.D
Acq: 19 Jun 2018 19:13

Tgt Ion: 78 Resp: 944025

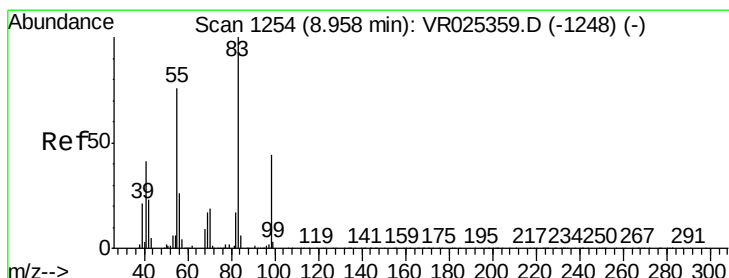
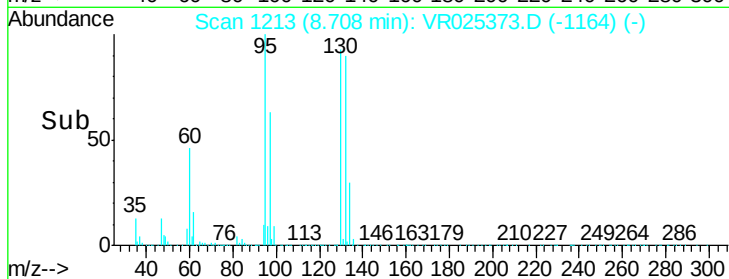
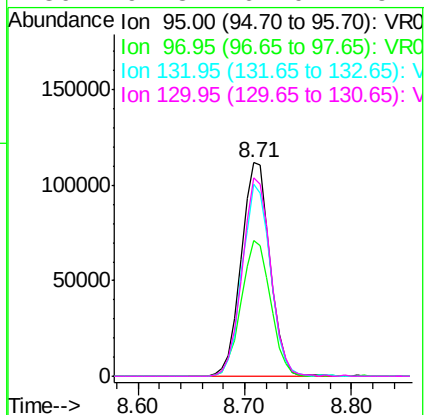
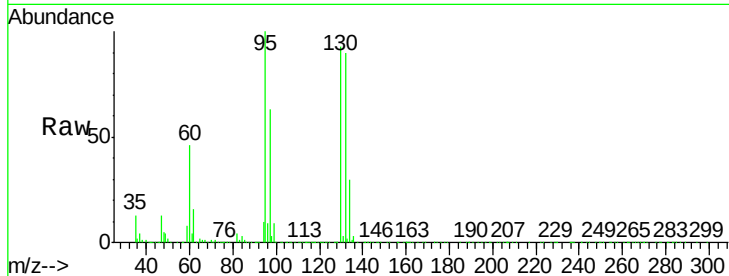




#34
 Trichloroethene
 Concen: 4.693 ug/L
 RT: 8.71 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: VR025373.D
 Acq: 19 Jun 2018 19:13

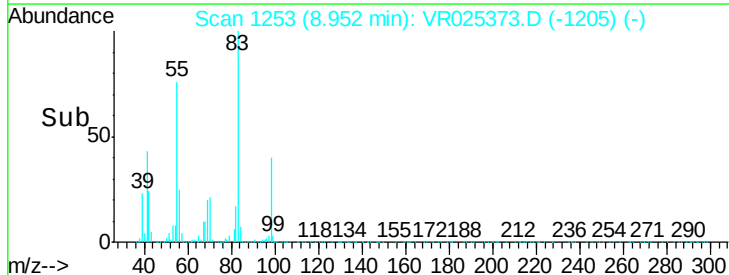
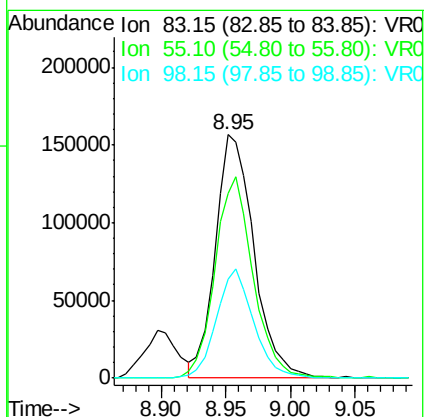
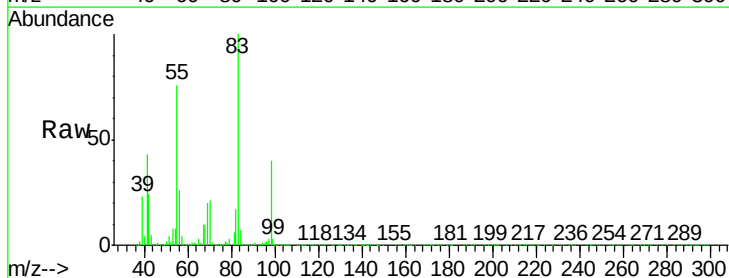
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00590

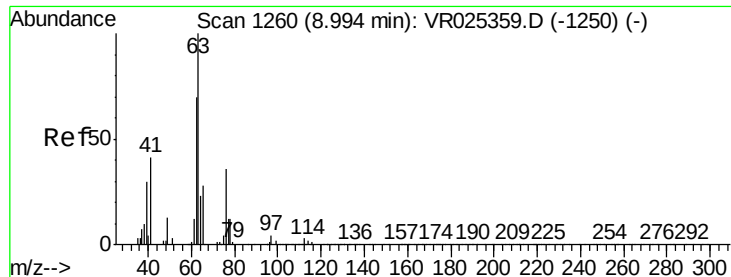
Tgt Ion:	95	Resp:	212021
Ion	Ratio	Lower	Upper
95	100		
97	63.3	45.6	84.6
132	89.7	60.9	113.1
130	92.8	62.0	115.2



#35
 Methylcyclohexane
 Concen: 4.583 ug/L
 RT: 8.95 min Scan# 1253
 Delta R.T. -0.01 min
 Lab File: VR025373.D
 Acq: 19 Jun 2018 19:13

Tgt Ion:	83	Resp:	326758
Ion	Ratio	Lower	Upper
83	100		
55	82.1	66.1	99.1
98	43.9	36.2	54.4

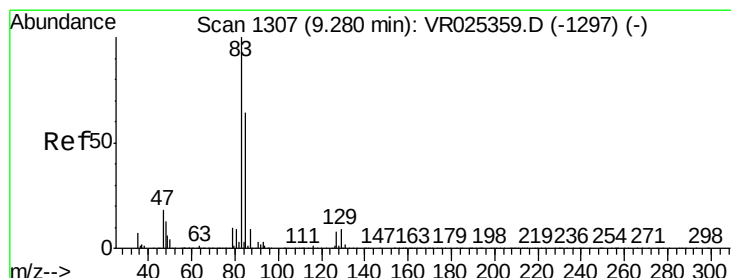
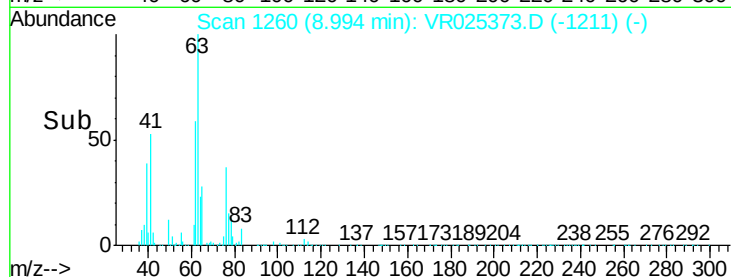
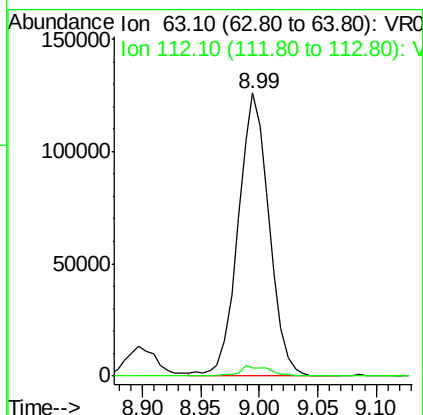
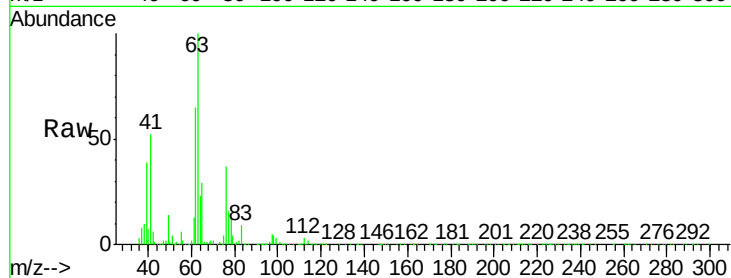




#37
 1,2-Dichloropropane
 Concen: 5.560 ug/L
 RT: 8.99 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VR025373.D
 Acq: 19 Jun 2018 19:13

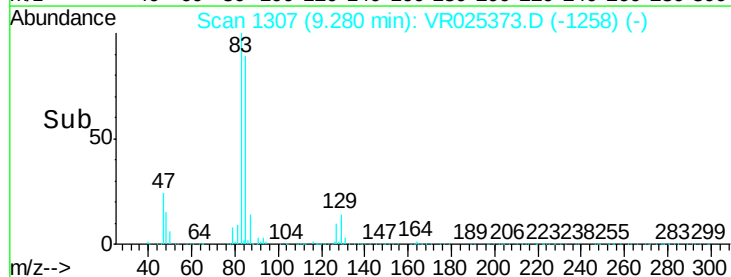
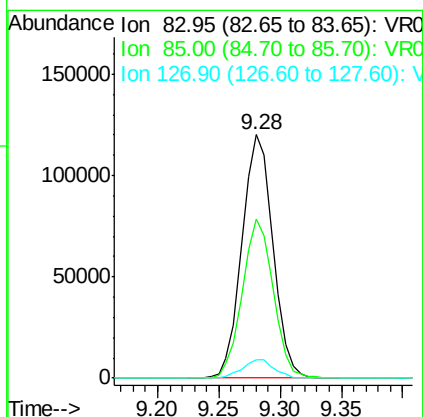
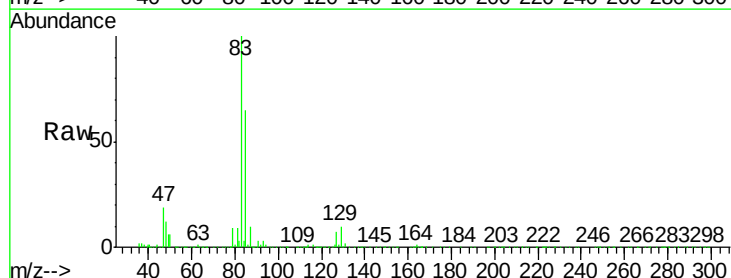
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00590

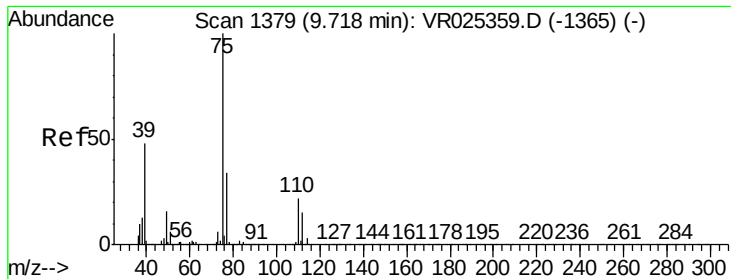
Tgt Ion: 63 Resp: 230822
 Ion Ratio Lower Upper
 63 100
 112 3.6 2.9 4.3



#38
 Bromodichloromethane
 Concen: 5.238 ug/L
 RT: 9.28 min Scan# 1307
 Delta R.T. -0.00 min
 Lab File: VR025373.D
 Acq: 19 Jun 2018 19:13

Tgt Ion: 83 Resp: 210903
 Ion Ratio Lower Upper
 83 100
 85 65.5 46.1 85.7
 127 7.4 5.7 8.5





#39

cis-1,3-Dichloropropene

Concen: 4.727 ug/L

RT: 9.72 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VR025373.D

Acq: 19 Jun 2018 19:13

Instrument :

MSVOA_R

ClientSampleId :

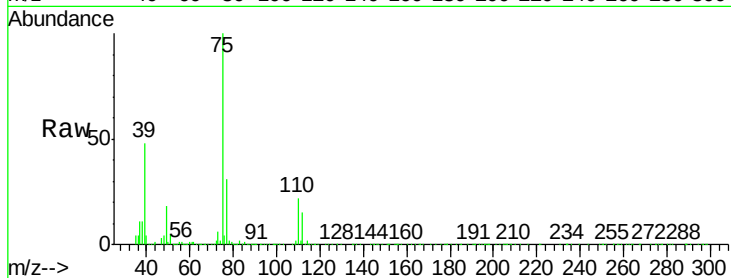
VSTD00590

Tgt Ion: 75 Resp: 231108

Ion Ratio Lower Upper

75 100

77 31.4 21.1 39.1



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

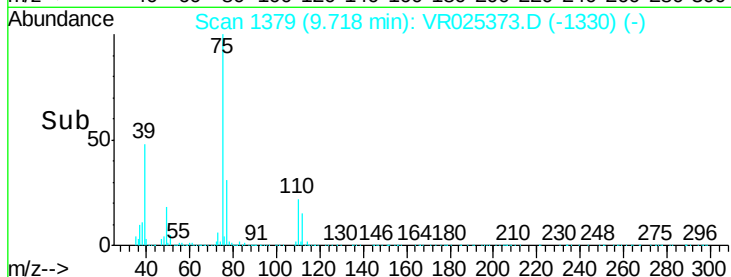
150000

100000

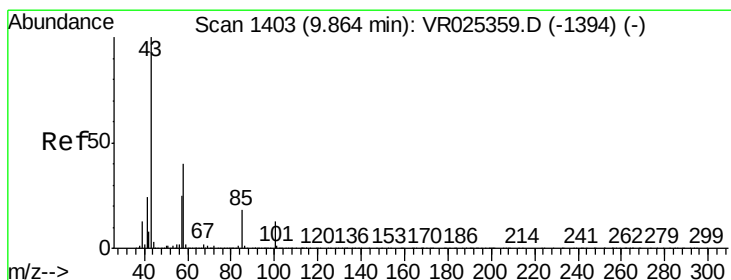
50000

0

9.60 9.70 9.80



Time-->



#40

4-Methyl-2-pentanone

Concen: 66.314 ug/L

RT: 9.86 min Scan# 1403

Delta R.T. -0.00 min

Lab File: VR025373.D

Acq: 19 Jun 2018 19:13

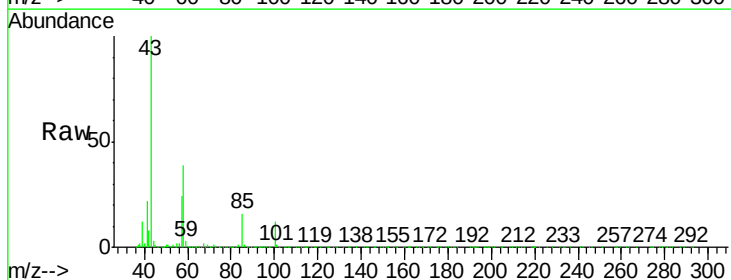
Tgt Ion: 43 Resp: 890853

Ion Ratio Lower Upper

43 100

58 39.0 30.3 45.5

100 13.0 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

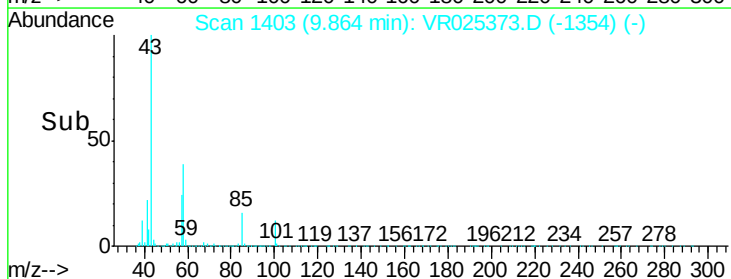
600000

400000

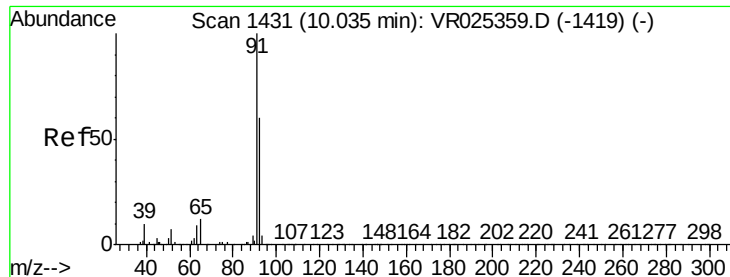
200000

0

9.80 9.90



Time-->



#42

Toluene

Concen: 4.795 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VR025373.D

Acq: 19 Jun 2018 19:13

Instrument :

MSVOA_R

ClientSampleId :

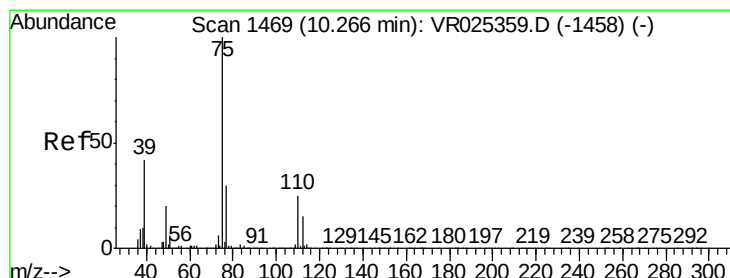
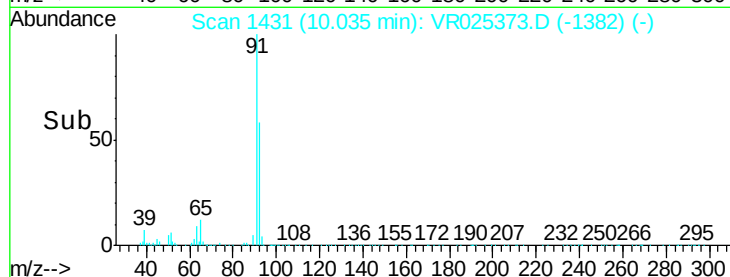
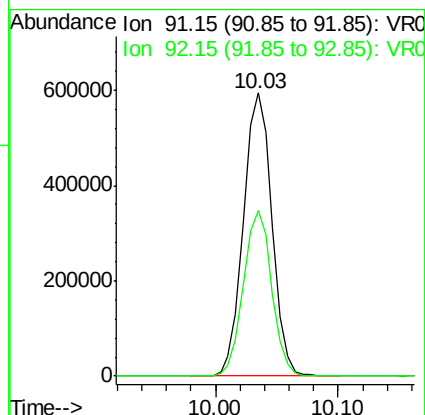
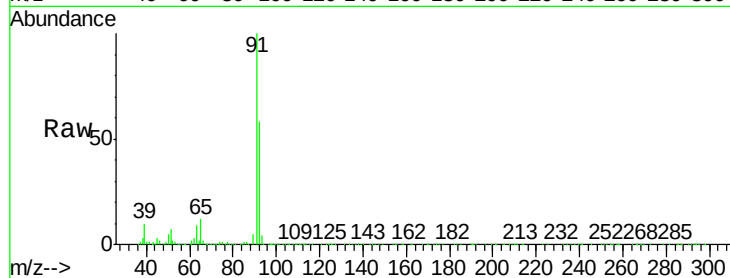
VSTD00590

Tgt Ion: 91 Resp: 959504

Ion Ratio Lower Upper

91 100

92 58.4 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 4.862 ug/L

RT: 10.27 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VR025373.D

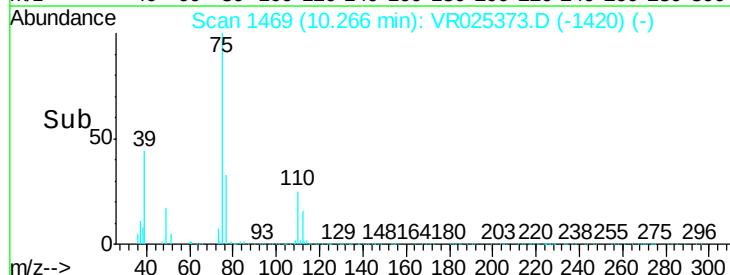
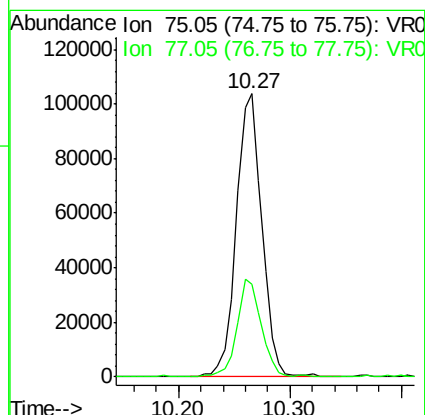
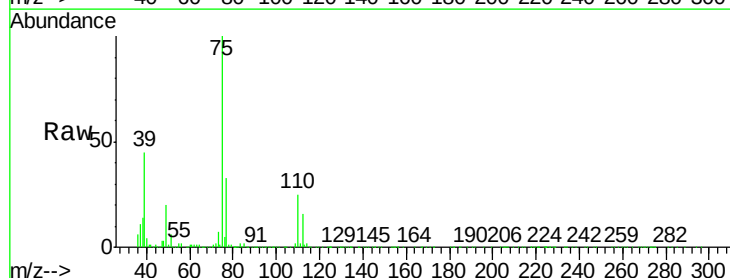
Acq: 19 Jun 2018 19:13

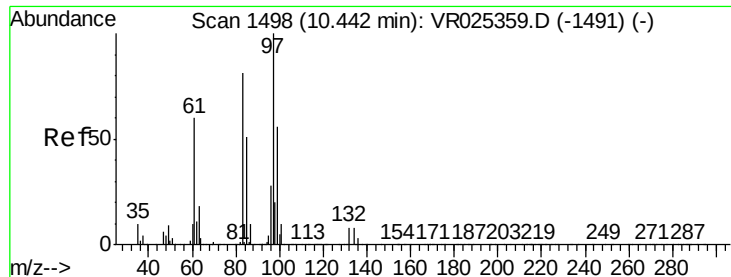
Tgt Ion: 75 Resp: 163499

Ion Ratio Lower Upper

75 100

77 32.9 20.6 38.4

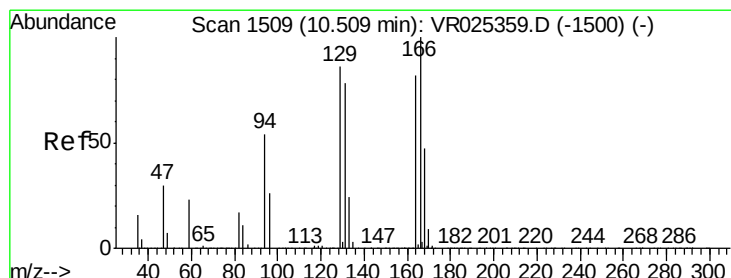
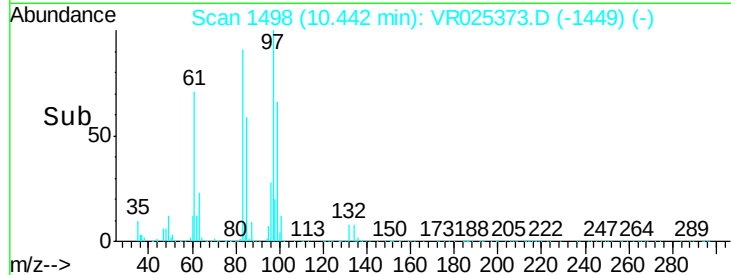
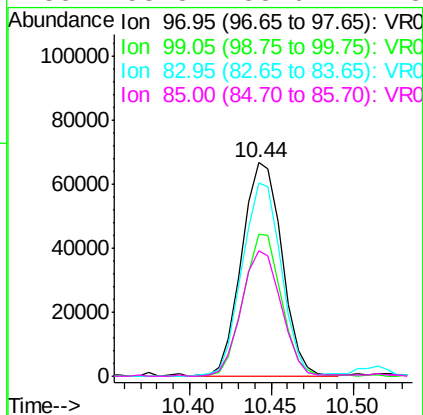
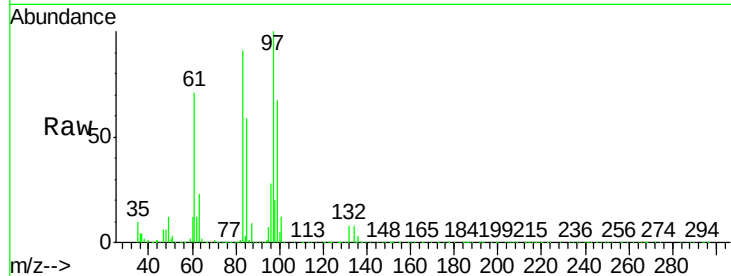




#45
1,1,2-Trichloroethane
Concen: 5.952 ug/L
RT: 10.44 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VR025373.D
Acq: 19 Jun 2018 19:13

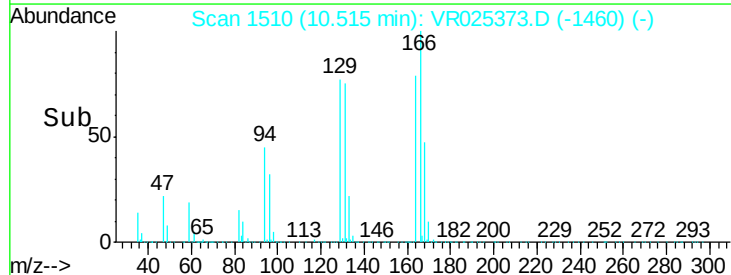
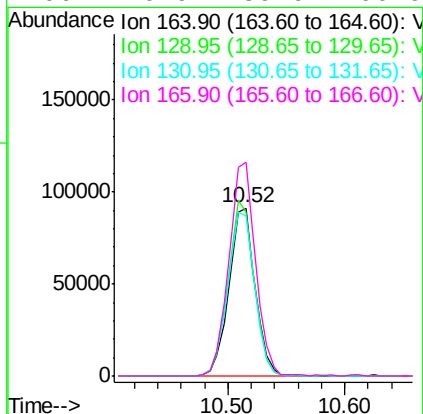
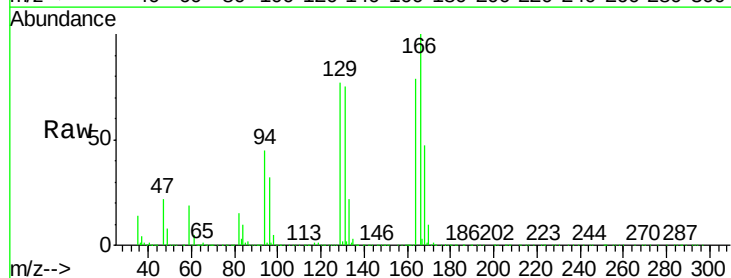
Instrument :
MSVOA_R
ClientSampleId :
VSTD00590

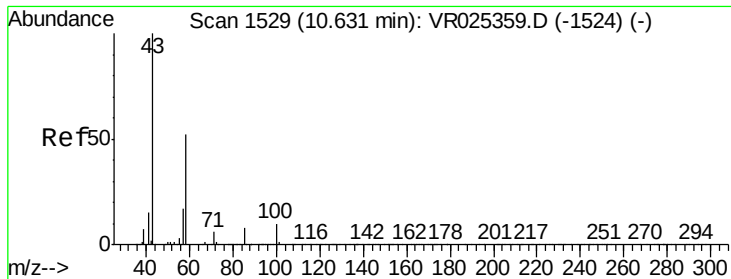
Tgt Ion:	97	Resp:	114703
Ion	Ratio	Lower	Upper
97	100		
99	66.6	41.9	77.9
83	90.7	64.5	119.9
85	58.8	38.6	71.8



#47
Tetrachloroethene
Concen: 4.738 ug/L
RT: 10.52 min Scan# 1510
Delta R.T. 0.01 min
Lab File: VR025373.D
Acq: 19 Jun 2018 19:13

Tgt Ion:	164	Resp:	142890
Ion	Ratio	Lower	Upper
164	100		
129	97.5	68.1	126.5
131	94.7	68.5	127.1
166	126.9	89.9	166.9

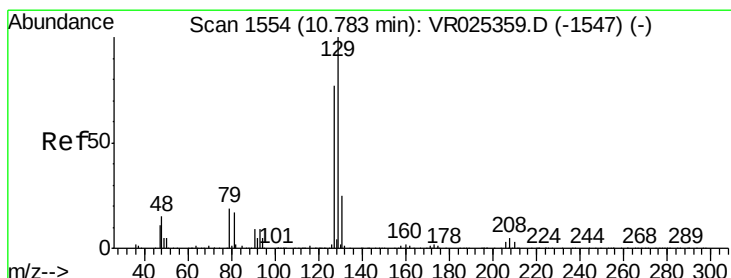
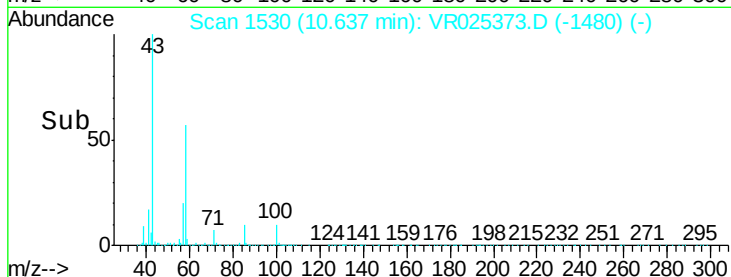
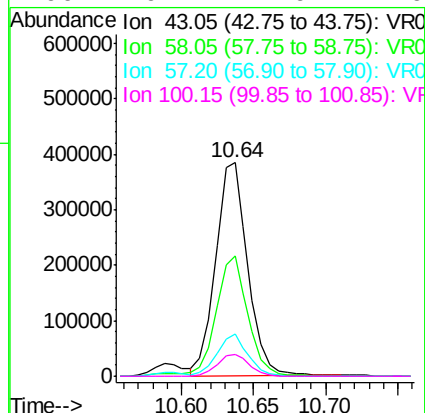
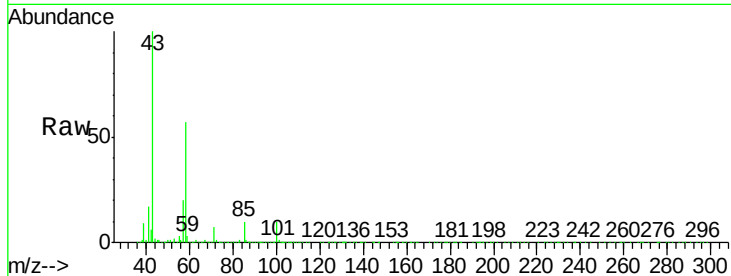




#48
2-Hexanone
Concen: 69.629 ug/L
RT: 10.64 min Scan# 1530
Delta R.T. 0.01 min
Lab File: VR025373.D
Acq: 19 Jun 2018 19:13

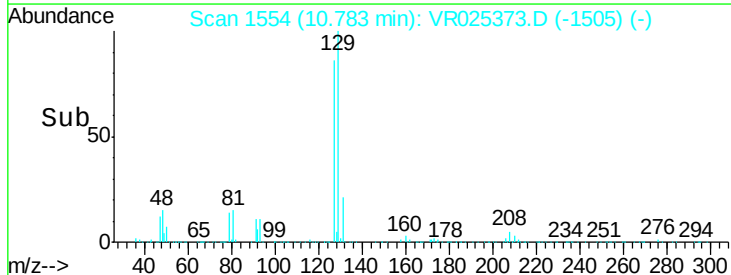
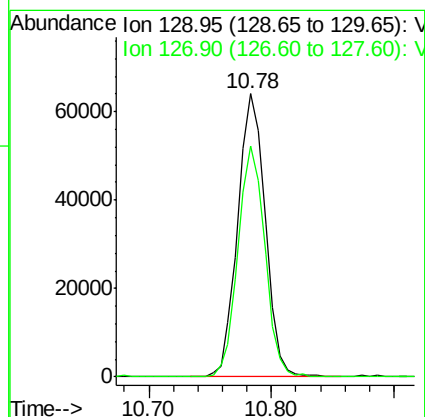
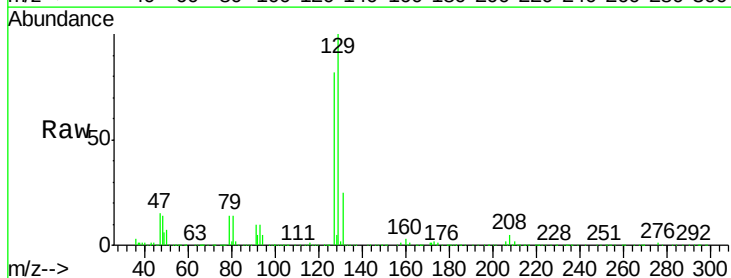
Instrument :
MSVOA_R
ClientSampleId :
VSTD00590

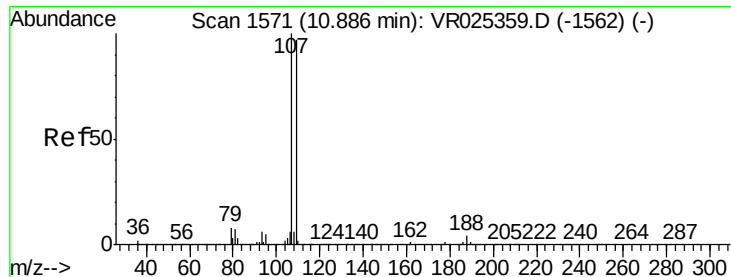
Tgt Ion:	43	Resp:	596268
Ion	Ratio	Lower	Upper
43	100		
58	56.7	43.1	64.7
57	18.9	15.3	22.9
100	10.4	7.9	11.9



#49
Dibromochloromethane
Concen: 5.368 ug/L
RT: 10.78 min Scan# 1554
Delta R.T. -0.00 min
Lab File: VR025373.D
Acq: 19 Jun 2018 19:13

Tgt Ion:	129	Resp:	99607
Ion	Ratio	Lower	Upper
129	100		
127	81.6	55.9	103.7

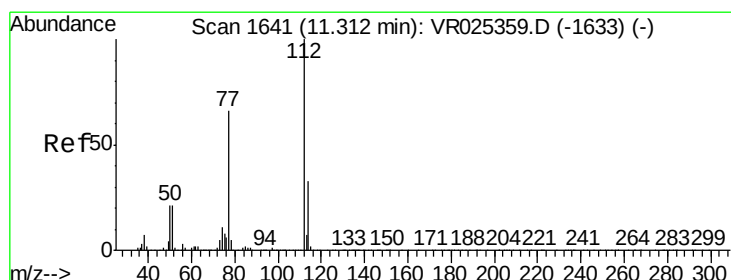
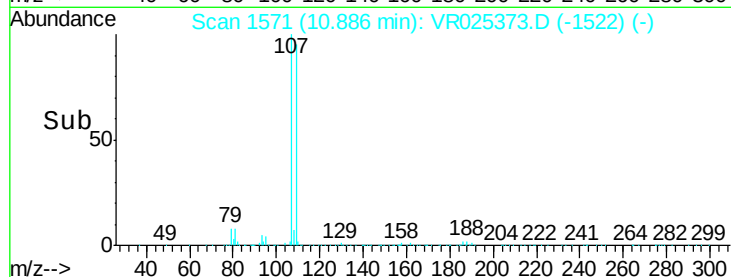
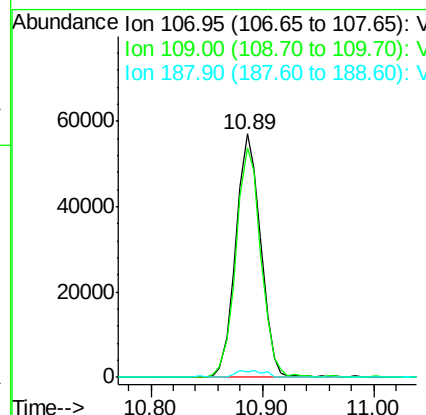
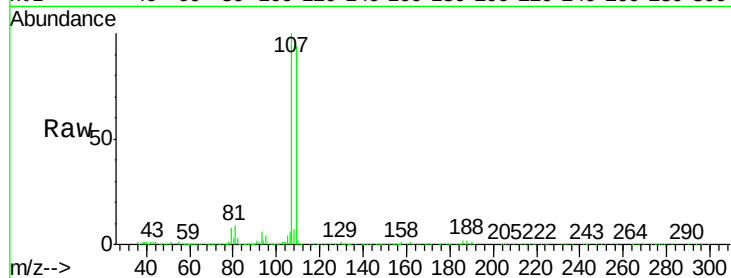




#50
1,2-Dibromoethane
Concen: 5.737 ug/L
RT: 10.89 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VR025373.D
Acq: 19 Jun 2018 19:13

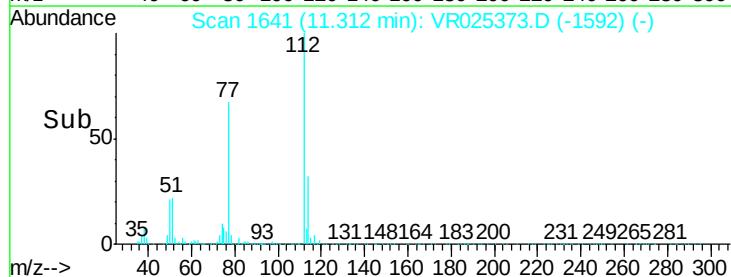
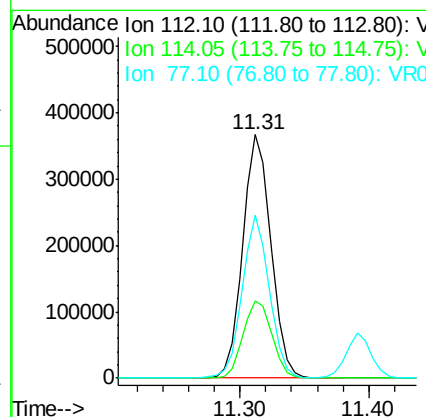
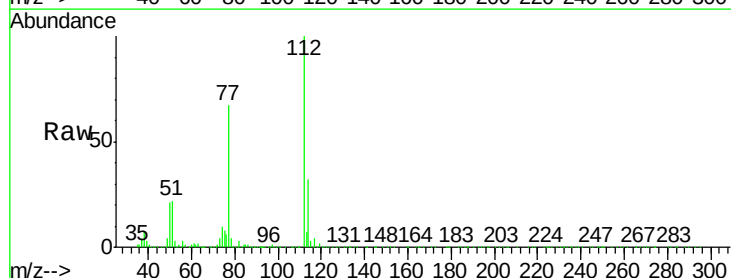
Instrument :
MSVOA_R
ClientSampleId :
VSTD00590

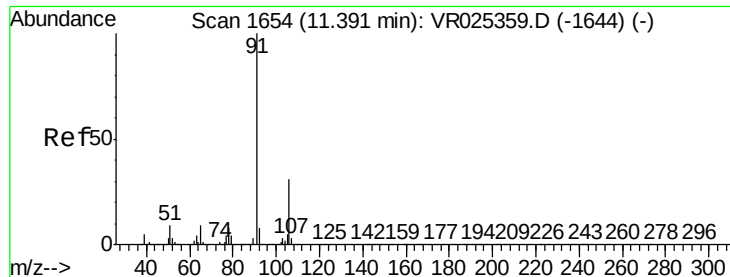
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.1	63.1	117.3
188	2.1	1.8	2.8



#51
Chlorobenzene
Concen: 5.156 ug/L
RT: 11.31 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VR025373.D
Acq: 19 Jun 2018 19:13

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	21.6	40.0
77	67.1	51.9	77.9





#52

Ethylbenzene

Concen: 5.293 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VR025373.D

Acq: 19 Jun 2018 19:13

Instrument :

MSVOA_R

ClientSampleId :

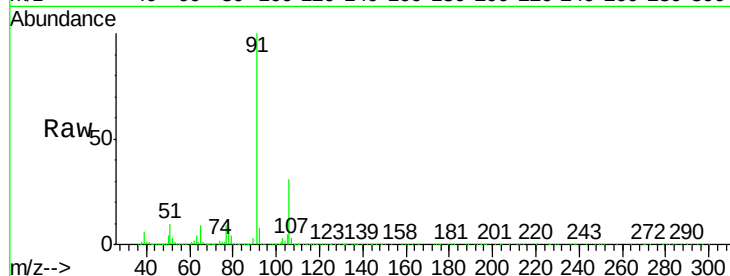
VSTD00590

Tgt Ion: 91 Resp: 1050785

Ion Ratio Lower Upper

91 100

106 31.1 22.5 41.7



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 106.15 (105.85 to 106.85): V

11.39

800000

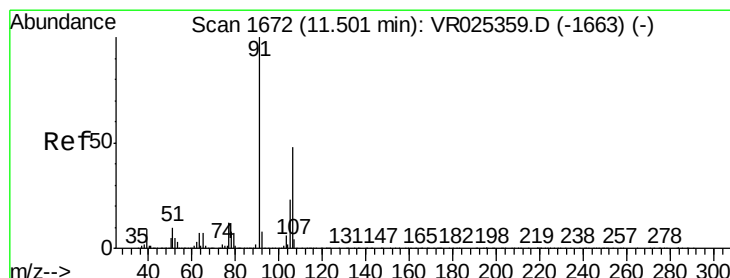
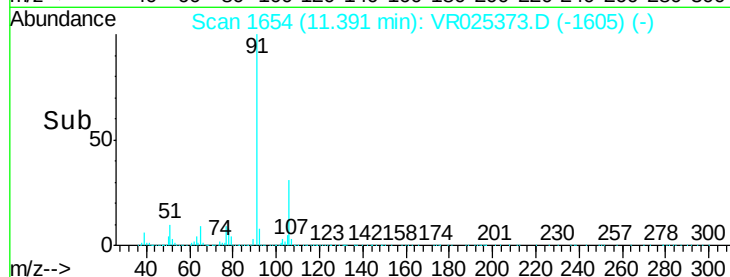
600000

400000

200000

0

Time-->



#53

m,p-Xylene

Concen: 5.104 ug/L

RT: 11.50 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VR025373.D

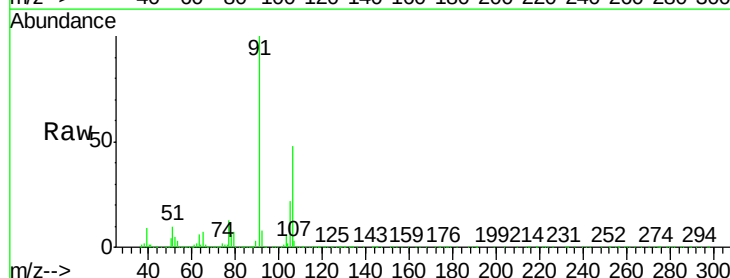
Acq: 19 Jun 2018 19:13

Tgt Ion: 106 Resp: 386881

Ion Ratio Lower Upper

106 100

91 207.5 152.6 283.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0

11.50

800000

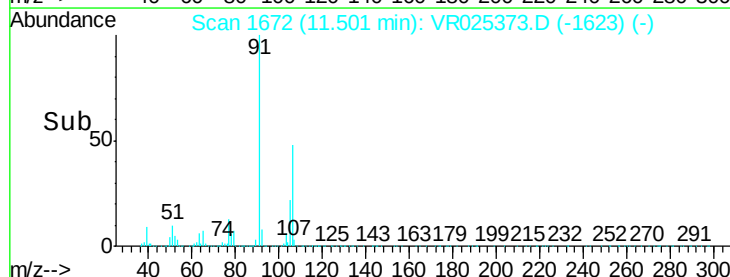
600000

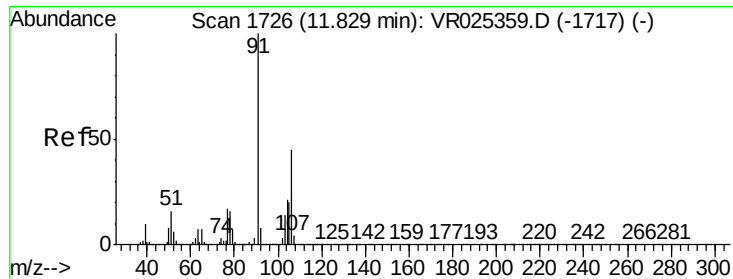
400000

200000

0

Time-->

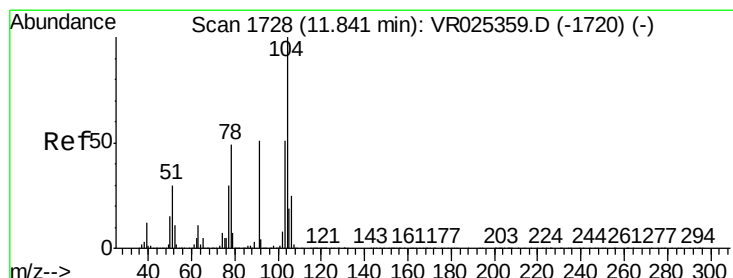
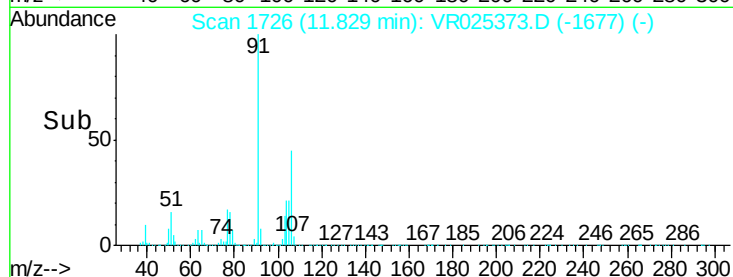
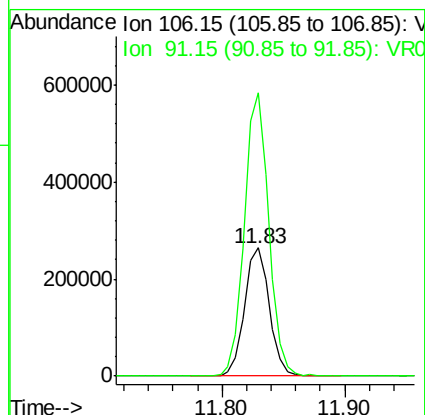
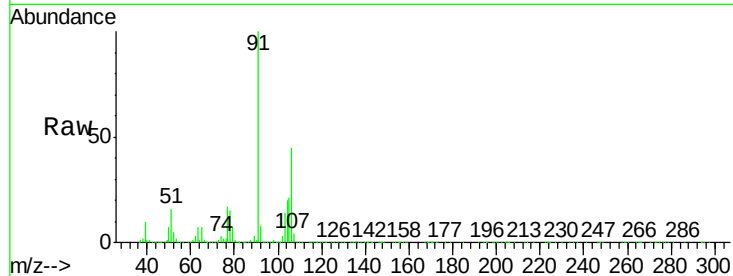




#54
o-Xylene
Concen: 5.454 ug/L
RT: 11.83 min Scan# 1726
Delta R.T. -0.00 min
Lab File: VR025373.D
Acq: 19 Jun 2018 19:13

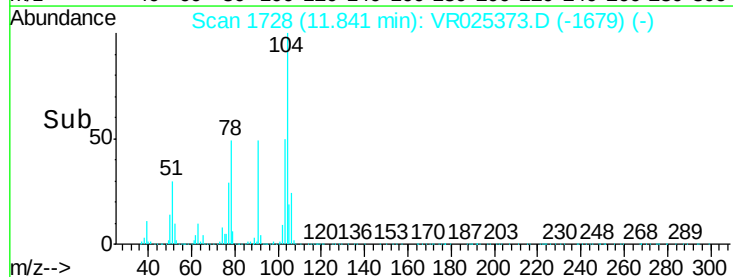
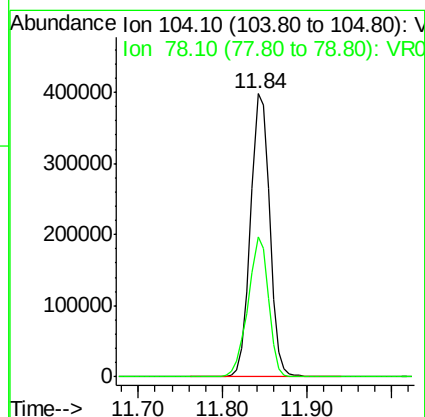
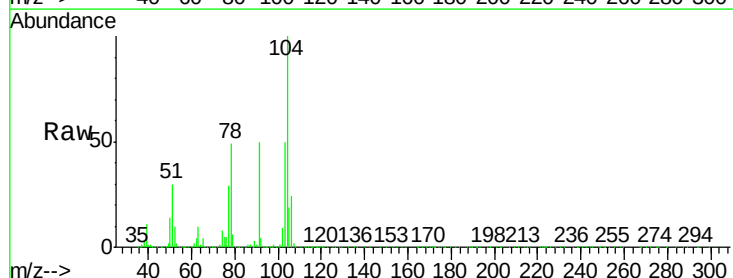
Instrument :
MSVOA_R
ClientSampleId :
VSTD00590

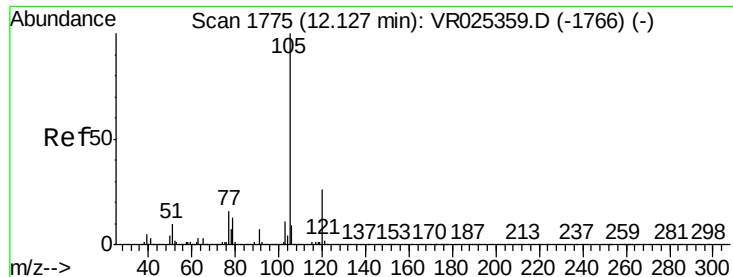
Tgt Ion:106 Resp: 369408
Ion Ratio Lower Upper
106 100
91 221.1 153.7 285.5



#55
Styrene
Concen: 5.793 ug/L
RT: 11.84 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VR025373.D
Acq: 19 Jun 2018 19:13

Tgt Ion:104 Resp: 603096
Ion Ratio Lower Upper
104 100
78 49.4 35.4 65.7





#56

Isopropylbenzene

Concen: 5.352 ug/L

RT: 12.13 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VR025373.D

Acq: 19 Jun 2018 19:13

Instrument :

MSVOA_R

ClientSampleId :

VSTD00590

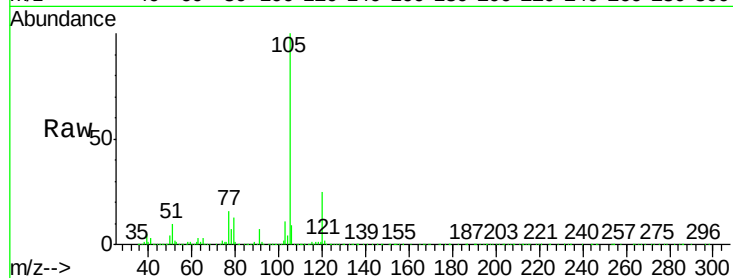
Tgt Ion: 105 Resp: 974804

Ion Ratio Lower Upper

105 100

120 25.9 20.2 30.4

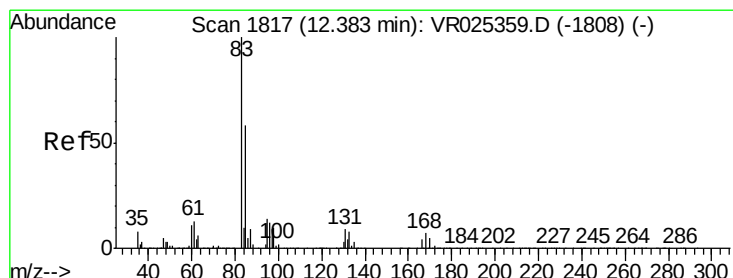
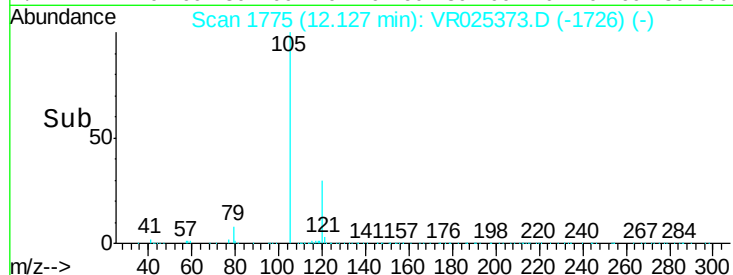
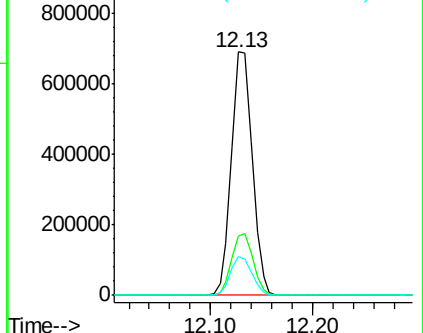
77 16.3 13.0 19.6



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: 6.856 ug/L

RT: 12.38 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VR025373.D

Acq: 19 Jun 2018 19:13

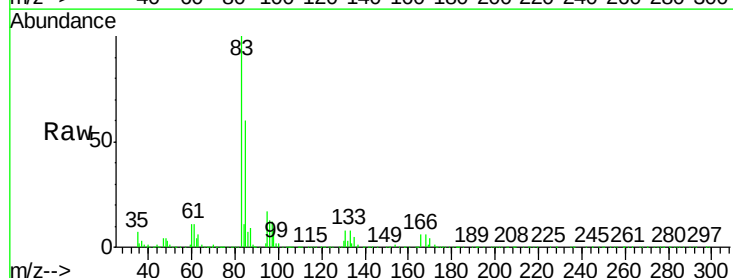
Tgt Ion: 83 Resp: 122355

Ion Ratio Lower Upper

83 100

85 60.5 41.8 77.6

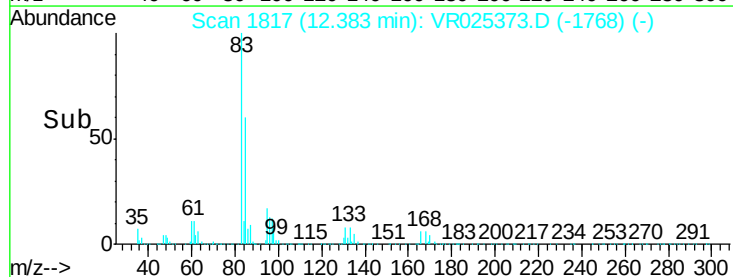
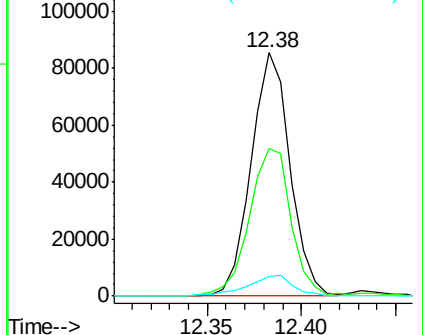
131 8.2 6.1 9.1

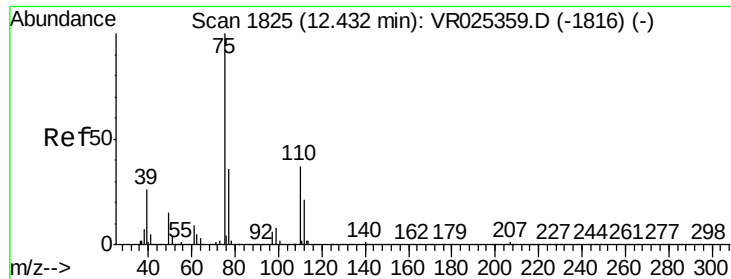


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

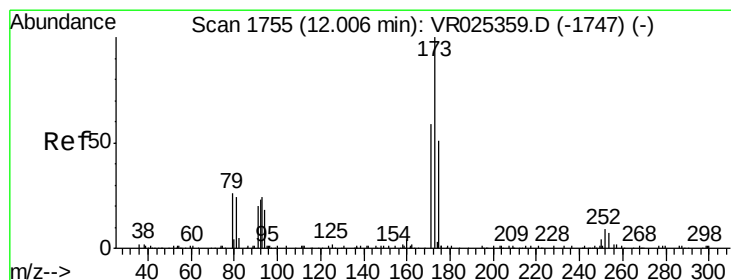
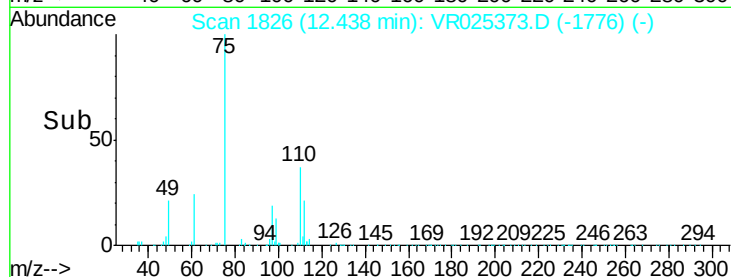
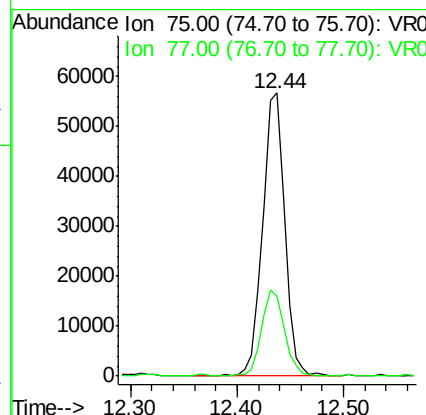
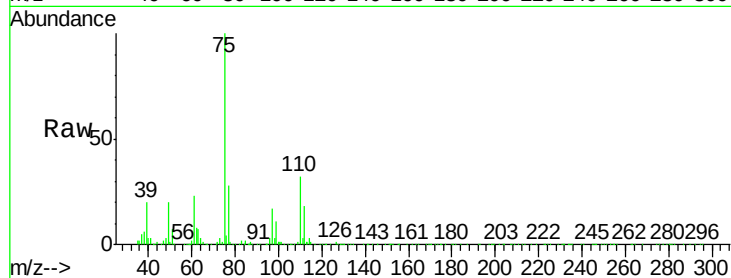




#59
 1,2,3-Trichloropropane
 Concen: 6.445 ug/L
 RT: 12.44 min Scan# 1826
 Delta R.T. 0.01 min
 Lab File: VR025373.D
 Acq: 19 Jun 2018 19:13

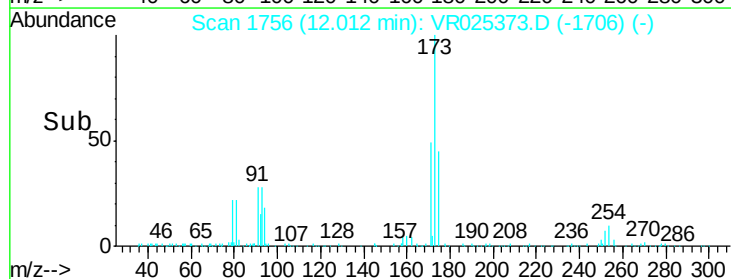
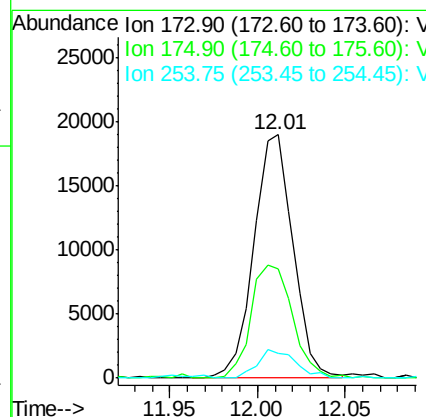
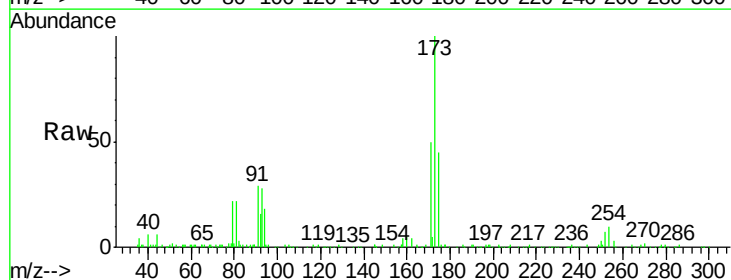
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00590

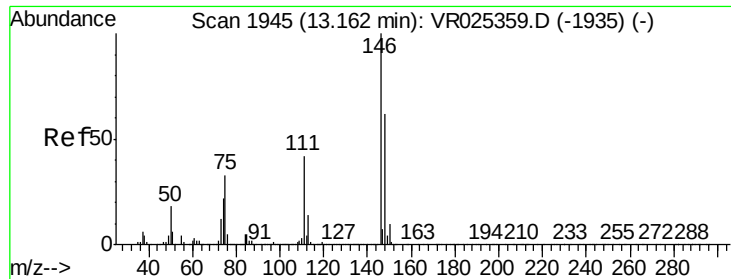
Tgt Ion: 75 Resp: 83015
 Ion Ratio Lower Upper
 75 100
 77 31.6 27.0 40.4



#61
 Bromoform
 Concen: 4.164 ug/L
 RT: 12.01 min Scan# 1756
 Delta R.T. 0.01 min
 Lab File: VR025373.D
 Acq: 19 Jun 2018 19:13

Tgt Ion: 173 Resp: 29531
 Ion Ratio Lower Upper
 173 100
 175 49.5 37.5 56.3
 254 11.5 8.7 13.1

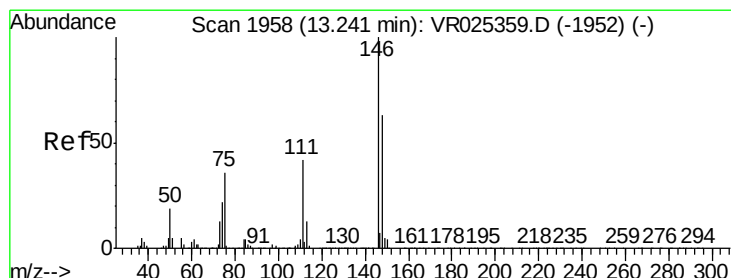
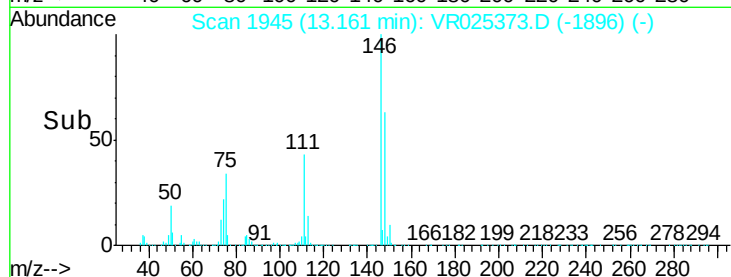
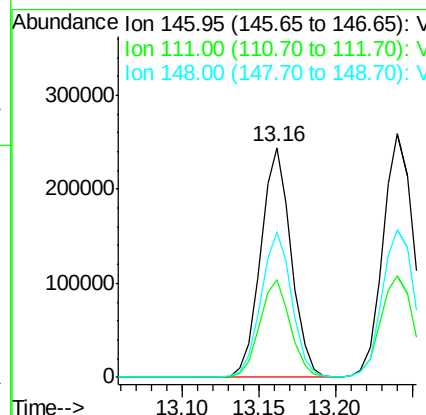
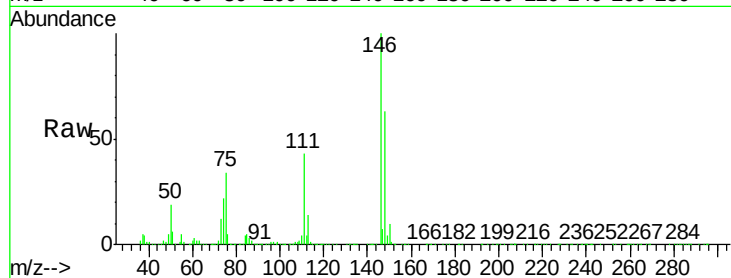




#62
 1,3-Dichlorobenzene
 Concen: 4.849 ug/L
 RT: 13.16 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VR025373.D
 Acq: 19 Jun 2018 19:13

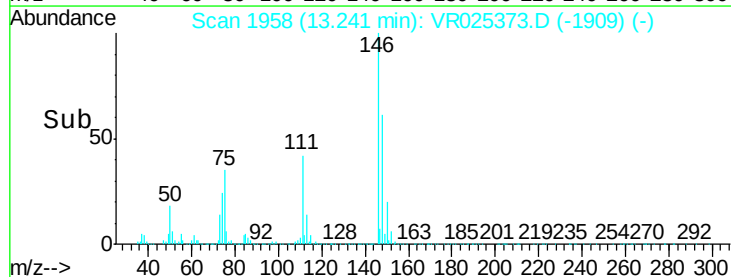
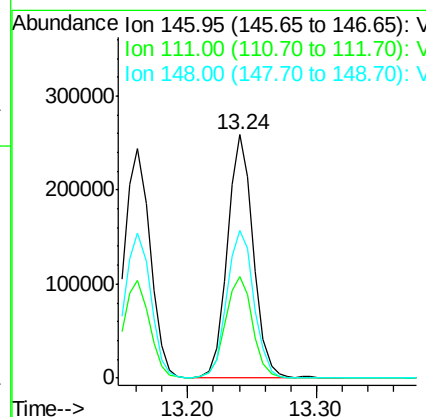
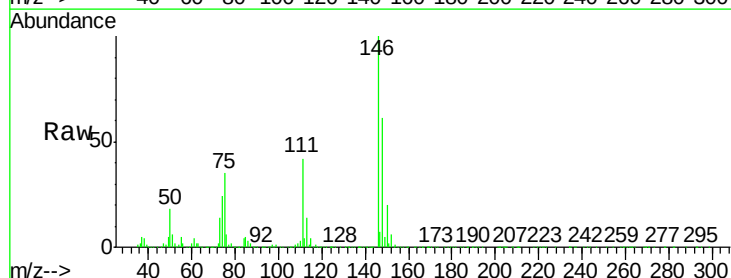
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00590

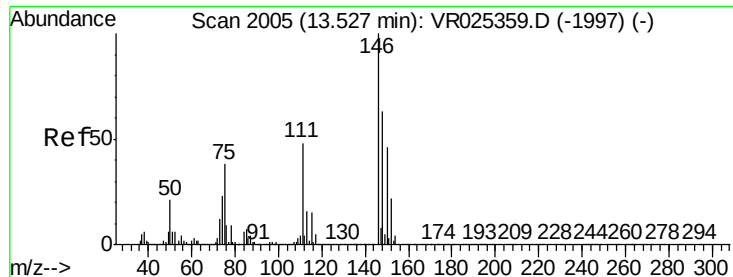
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	31.0	57.6
148	63.2	44.8	83.2



#63
 1,4-Dichlorobenzene
 Concen: 5.230 ug/L
 RT: 13.24 min Scan# 1958
 Delta R.T. -0.00 min
 Lab File: VR025373.D
 Acq: 19 Jun 2018 19:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	30.5	56.7
148	60.8	42.8	79.4

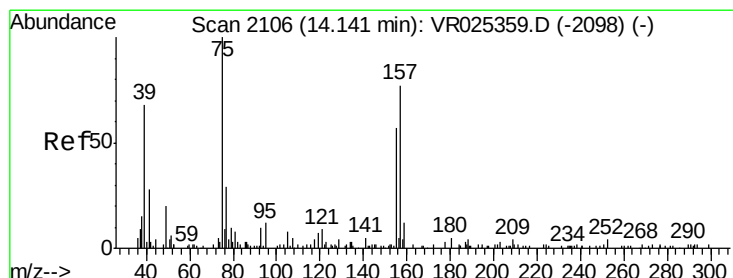
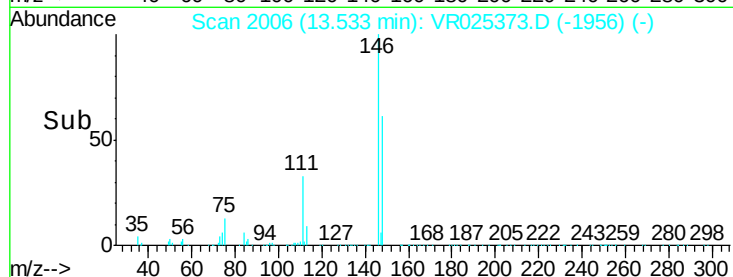
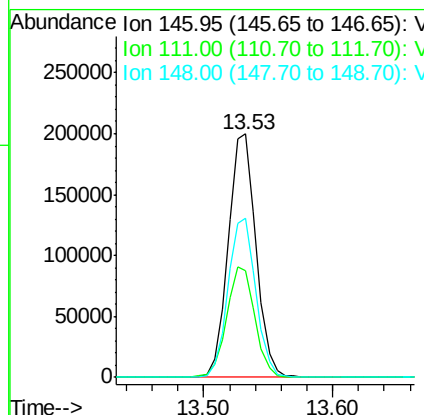
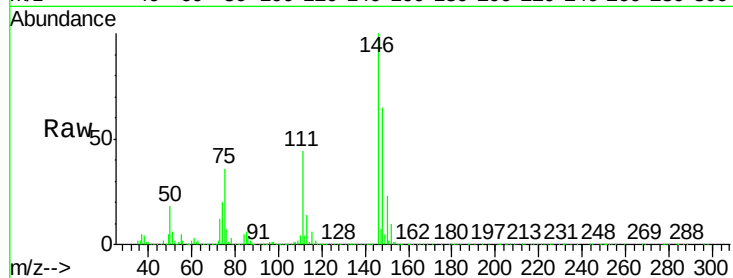




#65
 1,2-Dichlorobenzene
 Concen: 5.385 ug/L
 RT: 13.53 min Scan# 2006
 Delta R.T. 0.01 min
 Lab File: VR025373.D
 Acq: 19 Jun 2018 19:13

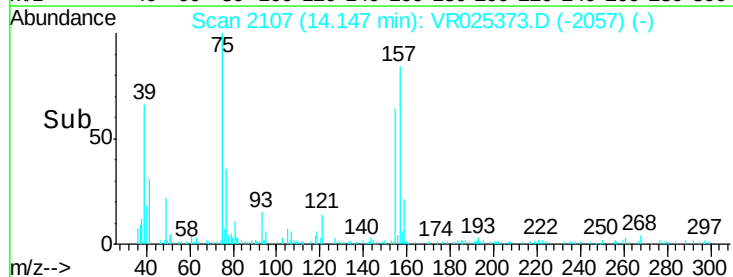
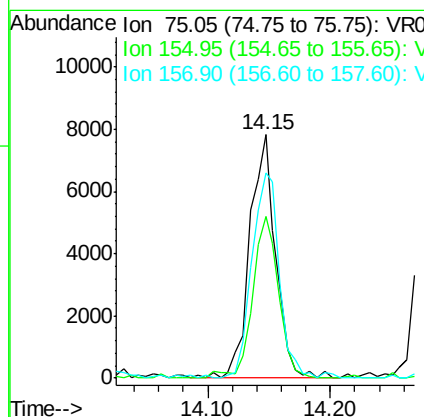
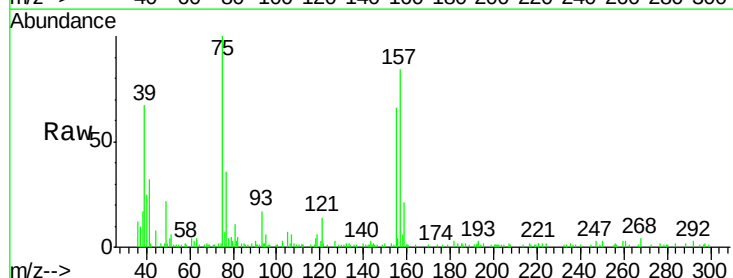
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00590

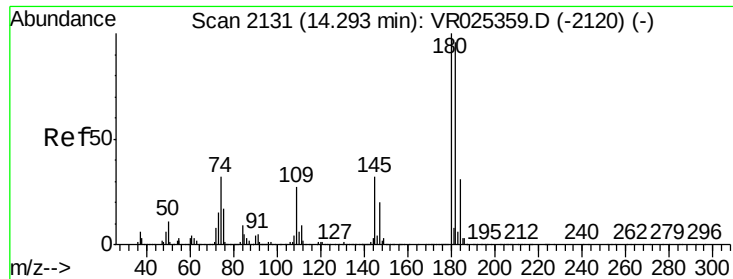
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.0	35.8	53.8
148	65.4	50.4	75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.207 ug/L
 RT: 14.15 min Scan# 2107
 Delta R.T. 0.01 min
 Lab File: VR025373.D
 Acq: 19 Jun 2018 19:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.5	74.1	111.1#
157	84.4	71.0	106.6

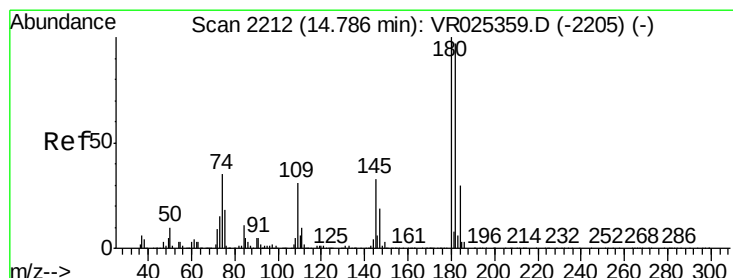
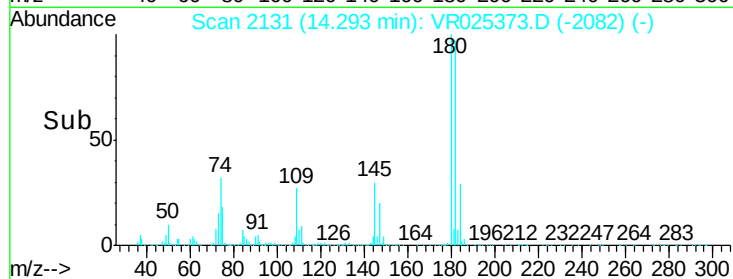
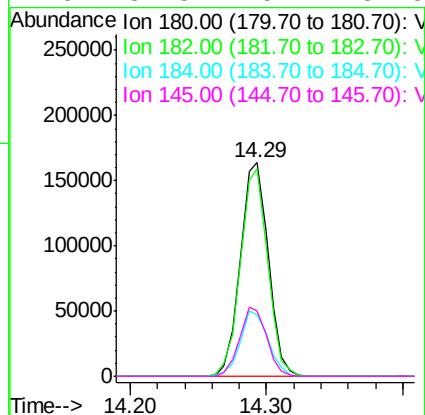
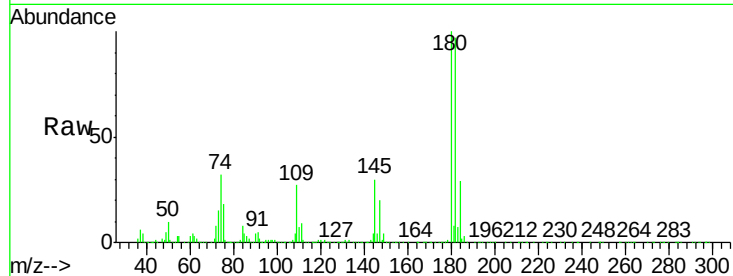




#67
 1,3,5-Trichlorobenzene
 Concen: 5.054 ug/L
 RT: 14.29 min Scan# 2131
 Delta R.T. -0.00 min
 Lab File: VR025373.D
 Acq: 19 Jun 2018 19:13

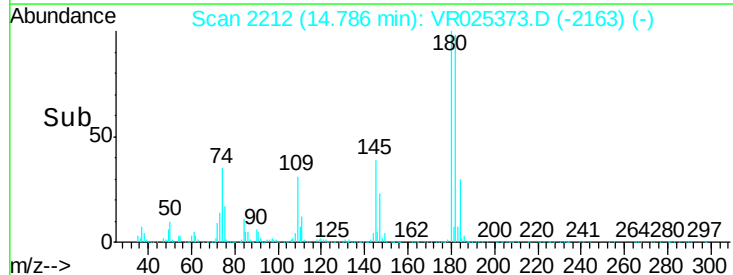
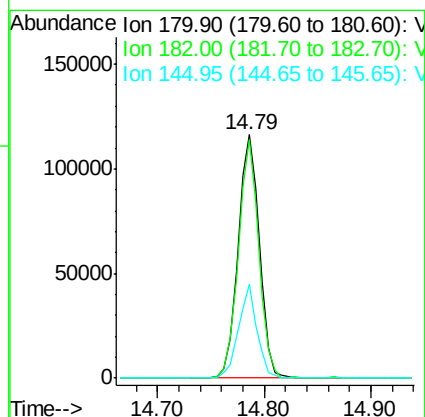
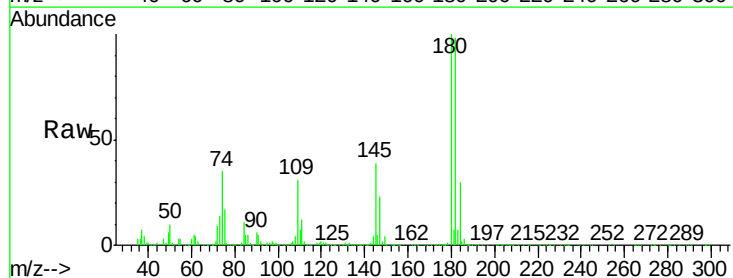
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00590

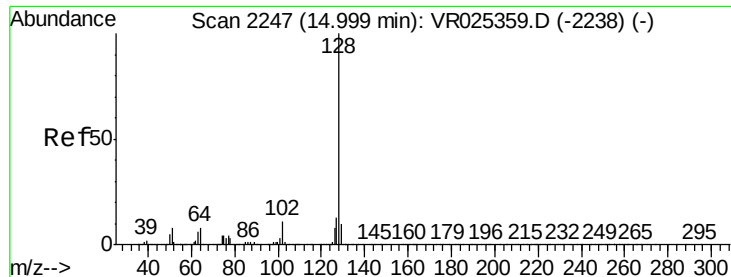
Tgt Ion:	180	Resp:	233563
Ion Ratio	Lower	Upper	
180	100		
182	95.1	76.0	114.0
184	30.4	24.5	36.7
145	31.5	25.2	37.8



#68
 1,2,4-trichlorobenzene
 Concen: 5.079 ug/L
 RT: 14.79 min Scan# 2212
 Delta R.T. -0.00 min
 Lab File: VR025373.D
 Acq: 19 Jun 2018 19:13

Tgt Ion:	180	Resp:	163427
Ion Ratio	Lower	Upper	
180	100		
182	93.2	75.0	112.4
145	33.3	27.3	40.9





#69

Naphthalene

Concen: 5.552 ug/L

RT: 15.00 min Scan# 2248

Delta R.T. 0.01 min

Lab File: VR025373.D

Acq: 19 Jun 2018 19:13

Instrument :

MSVOA_R

ClientSampleId :

VSTD00590

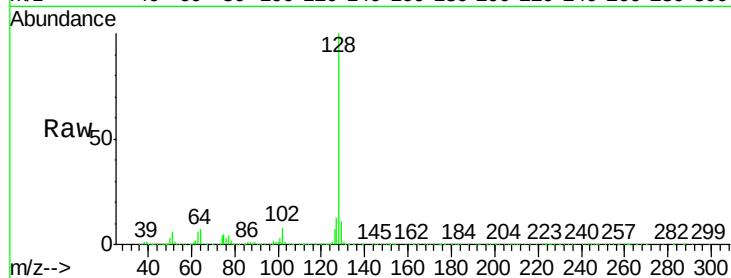
Tgt Ion:128 Resp: 232504

Ion Ratio Lower Upper

128 100

127 13.5 10.2 15.4

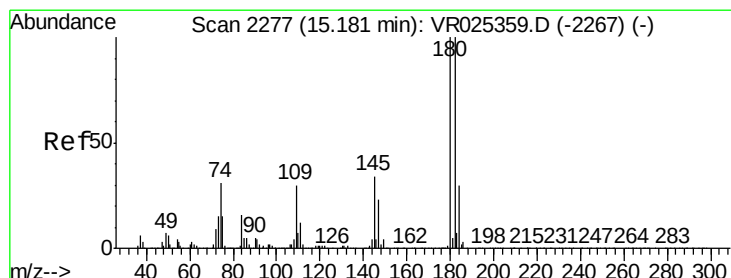
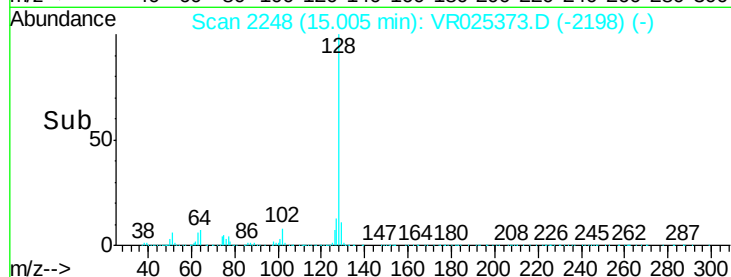
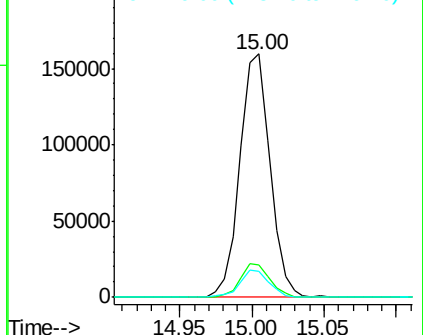
129 10.9 8.6 13.0



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: 5.809 ug/L

RT: 15.18 min Scan# 2277

Delta R.T. -0.00 min

Lab File: VR025373.D

Acq: 19 Jun 2018 19:13

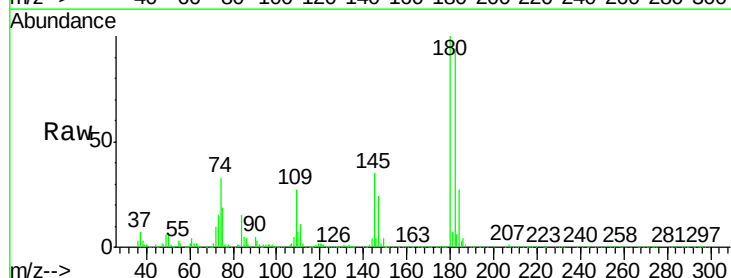
Tgt Ion:180 Resp: 144637

Ion Ratio Lower Upper

180 100

182 94.9 75.2 112.8

145 35.3 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

