

Data File : VR025876.D
Acq On : 27 Sep 2018 14:41
Operator : SY/MD
Sample : VSTD02092
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD02092

Quant Time: Sep 27 15:33:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 27 15:06:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	609314	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	523200	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	196362	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	890285	20.40	ug/L	0.02
7) Chloroethane-d5	2.63	69	698031	20.37	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.63	63	1959219	18.56	ug/L	-0.01
20) 2-Butanone-d5	6.59	46	1124089	193.27	ug/L	0.00
24) Chloroform-d	7.20	84	1703164	18.61	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.90	65	756422	19.17	ug/L	0.00
32) Benzene-d6	7.85	84	3415404	17.59	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	915263	17.27	ug/L	0.00
41) Toluene-d8	9.97	98	3372978	19.30	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	262611	17.91	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	915759	187.06	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	368439	18.27	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	673778	20.07	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	733558	11.559 ug/L	95
3) Chloromethane	2.02	50	911282	13.190 ug/L	99
5) Vinyl chloride	2.18	62	904388	13.820 ug/L	98
6) Bromomethane	2.52	94	549814	14.780 ug/L	97
8) Chloroethane	2.66	64	512265	13.776 ug/L	96
9) Trichlorofluoromethane	2.93	101	422891	5.211 ug/L	# 31
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	744269	15.053 ug/L	95
12) 1,1-Dichloroethene	3.65	96	790528	15.040 ug/L	93
13) Acetone	3.70	43	664502	173.134 ug/L	98
14) Carbon disulfide	3.94	76	2228370	15.067 ug/L	99
15) Methyl Acetate	4.19	43	178856	14.525 ug/L	98
16) Methylene chloride	4.40	84	680992	14.410 ug/L	98
17) Methyl tert-butyl Ether	4.90	73	1072649	11.668 ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	794126	13.354 ug/L	90
19) 1,1-Dichloroethane	5.69	63	1431162	11.771 ug/L	98
21) 2-Butanone	6.69	43	1062488	132.825 ug/L	100
22) cis-1,2-Dichloroethene	6.67	96	768491	12.830 ug/L	# 96
23) Bromochloromethane	7.05	128	204930	12.981 ug/L	86
25) Chloroform	7.23	83	1405521	12.573 ug/L	100
27) 1,2-Dichloroethane	7.99	62	690204	11.946 ug/L	100
29) 1,1,1-Trichloroethane	7.43	97	1176877	11.137 ug/L	100
30) Cyclohexane	7.51	56	1341236	10.647 ug/L	97
31) Carbon tetrachloride	7.64	117	1044217	12.010 ug/L	99
33) Benzene	7.91	78	3378393	12.300 ug/L	100
34) Trichloroethene	8.71	95	857630	11.765 ug/L	95
35) Methylcyclohexane	8.95	83	1327988	11.109 ug/L	98
37) 1,2-Dichloropropane	9.00	63	713740	11.655 ug/L	99
38) Bromodichloromethane	9.28	83	821659	12.153 ug/L	96
39) cis-1,3-Dichloropropene	9.72	75	943571	12.586 ug/L	100
40) 4-Methyl-2-pentanone	9.87	43	2687263	126.041 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.04	91	3566631	12.741	ug/L	100
44) trans-1,3-Dichloropropene	10.26	75	657985	12.665	ug/L	97
45) 1,1,2-Trichloroethane	10.45	97	313407	12.207	ug/L	96
47) Tetrachloroethene	10.51	164	587248	14.085	ug/L	92
48) 2-Hexanone	10.63	43	1761869	125.656	ug/L	99
49) Dibromochloromethane	10.79	129	387185	14.475	ug/L	97
50) 1,2-Dibromoethane	10.89	107	278508	12.326	ug/L #	99
51) Chlorobenzene	11.32	112	1893214	12.892	ug/L	96
52) Ethylbenzene	11.39	91	4034303	12.526	ug/L	94
53) m,p-Xylene	11.50	106	1500377	12.919	ug/L	91
54) o-Xylene	11.83	106	1469498	13.819	ug/L	86
55) Styrene	11.84	104	2309823	14.019	ug/L	94
56) Isopropylbenzene	12.13	105	3848875	12.932	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.39	83	306811	12.178	ug/L	96
59) 1,2,3-Trichloropropane	12.43	75	225041	11.252	ug/L	99
61) Bromoform	12.01	173	139193	15.191	ug/L	96
62) 1,3-Dichlorobenzene	13.16	146	1174063	12.921	ug/L	92
63) 1,4-Dichlorobenzene	13.24	146	1146192	13.070	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	934874	13.514	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.15	75	32368	10.234	ug/L #	76
67) 1,3,5-Trichlorobenzene	14.29	180	722712	14.100	ug/L	97
68) 1,2,4-trichlorobenzene	14.78	180	450293	13.808	ug/L	98
69) Naphthalene	15.00	128	610594	12.865	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	305500	13.187	ug/L	98

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

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Instrument :
MSVOA_R
ClientSampleId :
VSTD02092

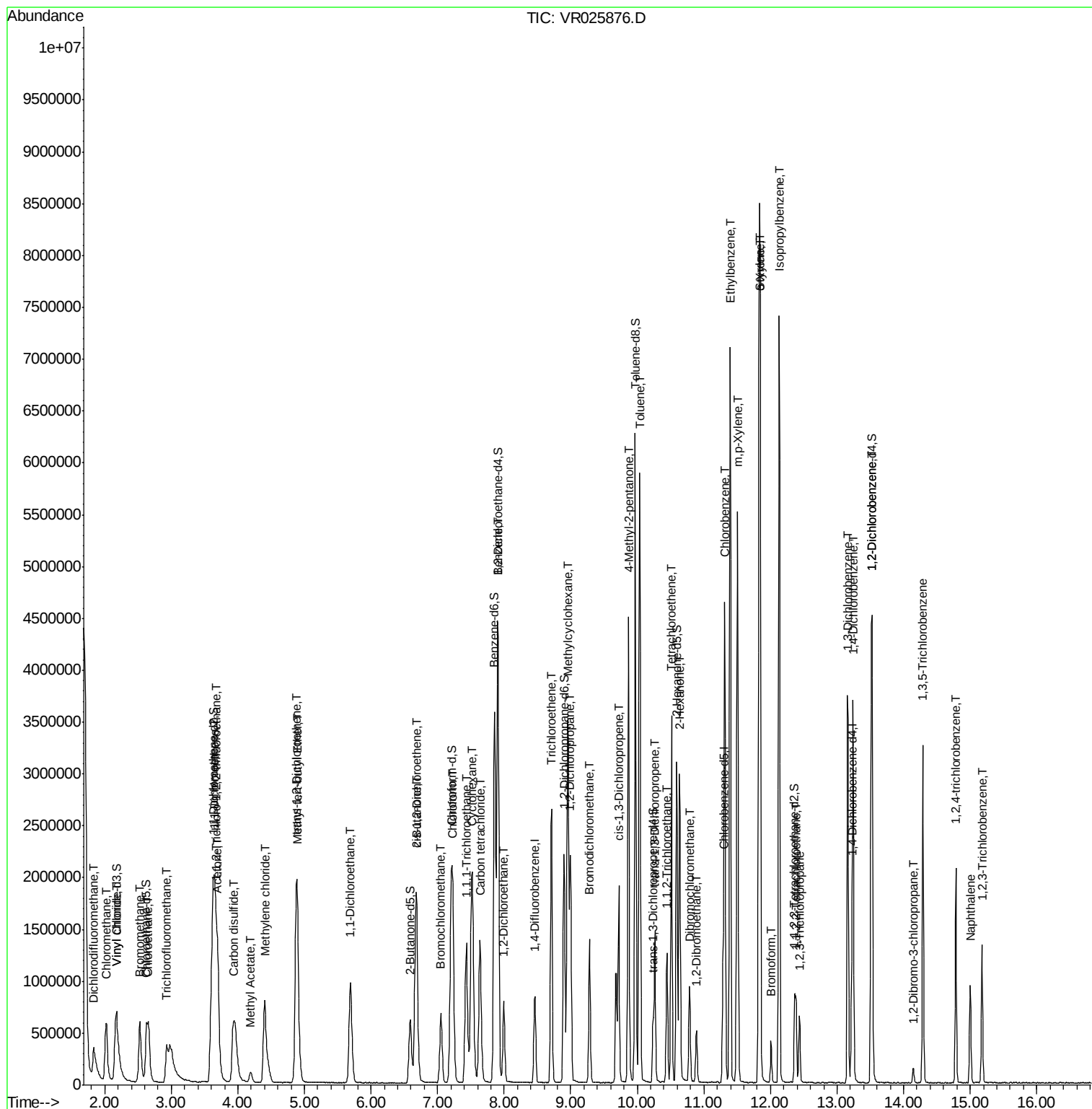
Quant Time: Sep 27 15:33:07 2018

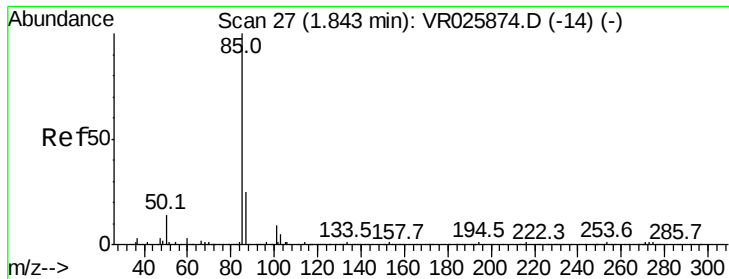
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M

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#2

Dichlorodifluoromethane

Concen: 11.559 ug/L

RT: 1.84 min Scan# 26

Delta R.T. -0.00 min

Lab File: VR025876.D

Acq: 27 Sep 2018 14:41

Instrument :

MSVOA_R

ClientSampleId :

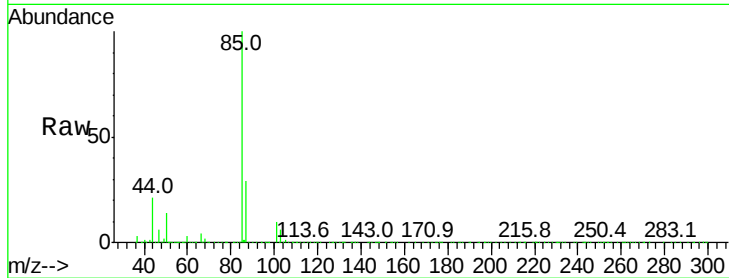
VSTD02092

Tgt Ion: 85 Resp: 733558

Ion Ratio Lower Upper

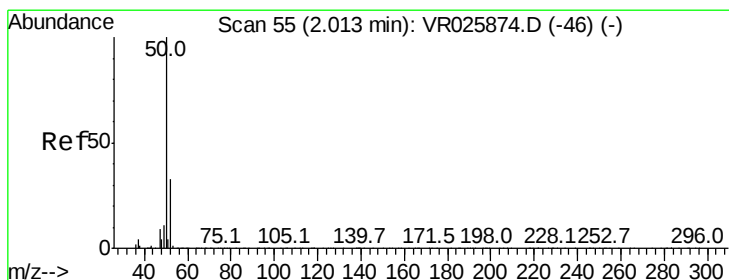
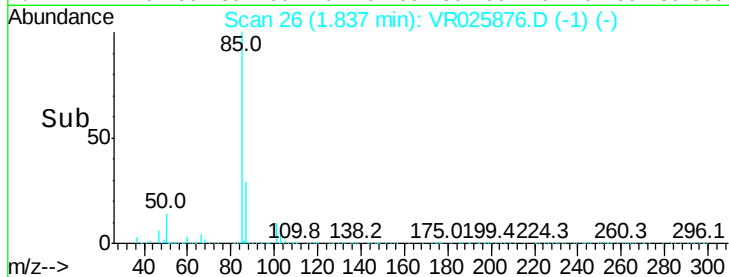
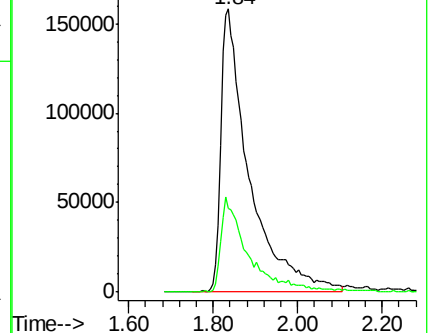
85 100

87 28.7 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 13.190 ug/L

RT: 2.02 min Scan# 56

Delta R.T. 0.01 min

Lab File: VR025876.D

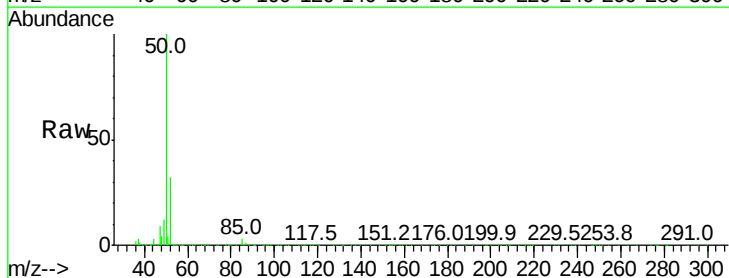
Acq: 27 Sep 2018 14:41

Tgt Ion: 50 Resp: 911282

Ion Ratio Lower Upper

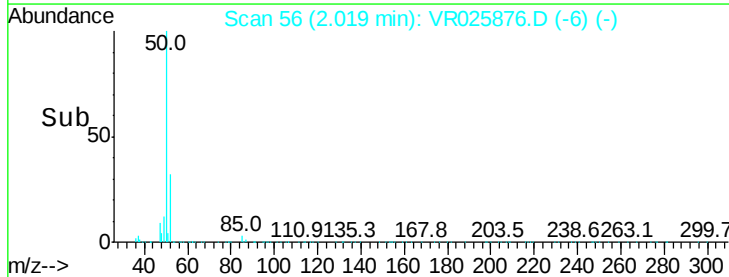
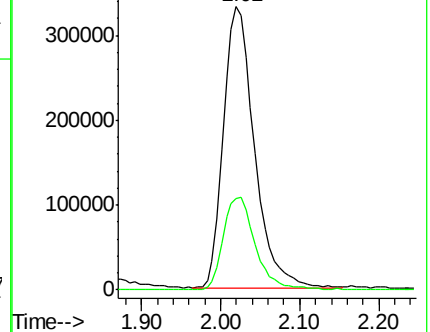
50 100

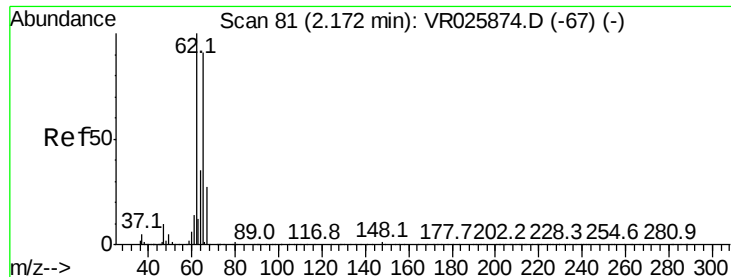
52 32.3 22.1 41.1



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 13.820 ug/L

RT: 2.18 min Scan# 82

Delta R.T. 0.01 min

Lab File: VR025876.D

Acq: 27 Sep 2018 14:41

Instrument :

MSVOA_R

ClientSampleId :

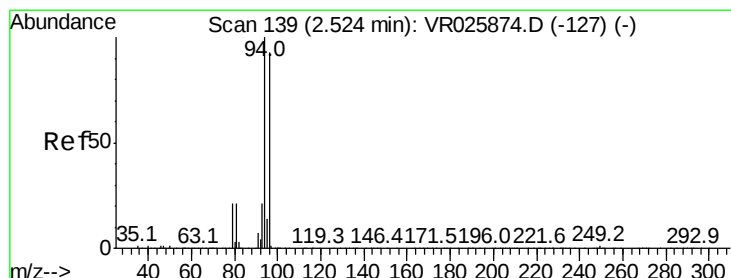
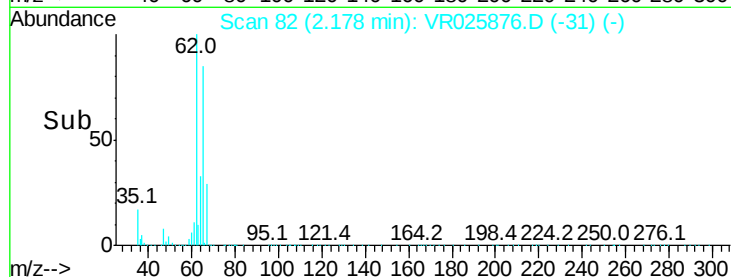
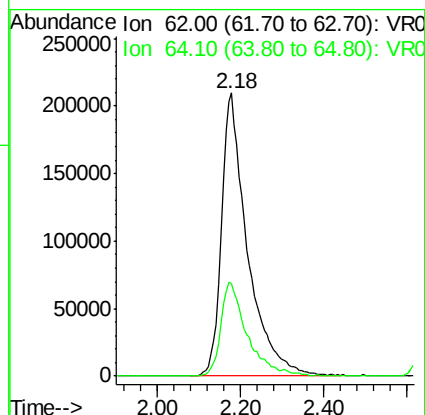
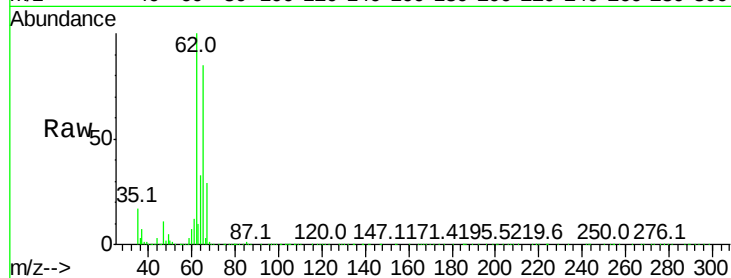
VSTD02092

Tgt Ion: 62 Resp: 904388

Ion Ratio Lower Upper

62 100

64 32.7 23.5 43.7



#6

Bromomethane

Concen: 14.780 ug/L

RT: 2.52 min Scan# 139

Delta R.T. -0.01 min

Lab File: VR025876.D

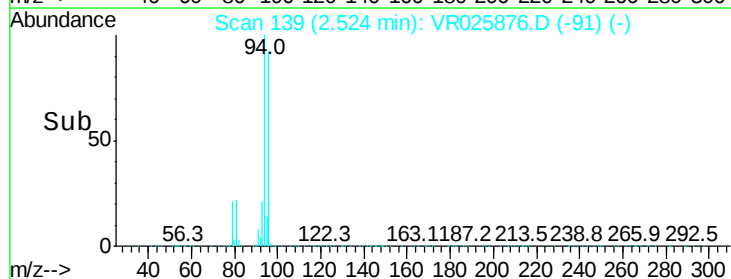
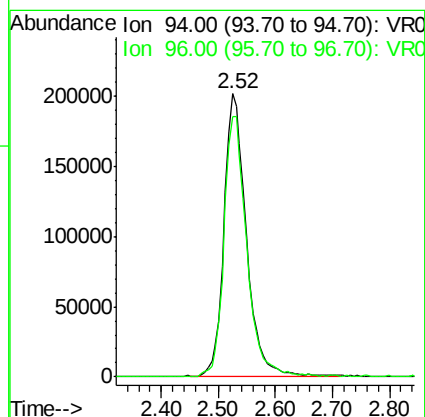
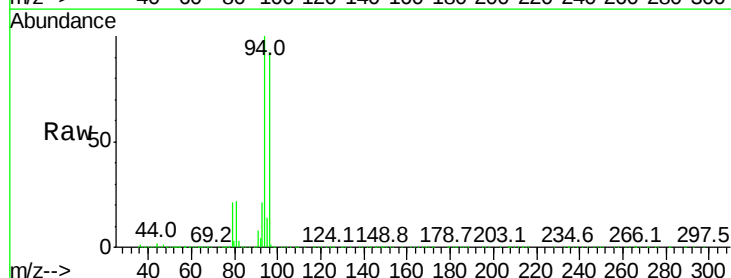
Acq: 27 Sep 2018 14:41

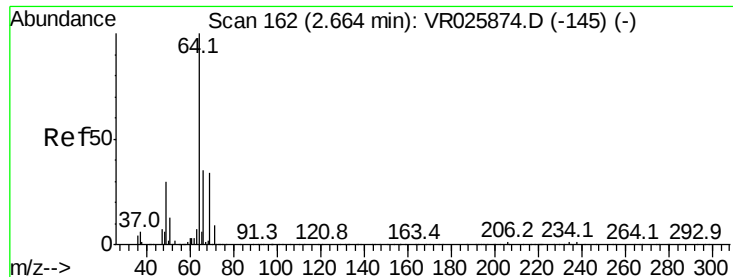
Tgt Ion: 94 Resp: 549814

Ion Ratio Lower Upper

94 100

96 91.9 66.1 122.8





#8

Chloroethane

Concen: 13.776 ug/L

RT: 2.66 min Scan# 161

Delta R.T. -0.01 min

Lab File: VR025876.D

Acq: 27 Sep 2018 14:41

Instrument :

MSVOA_R

ClientSampleId :

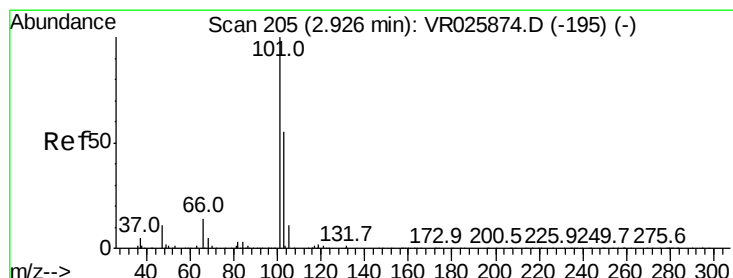
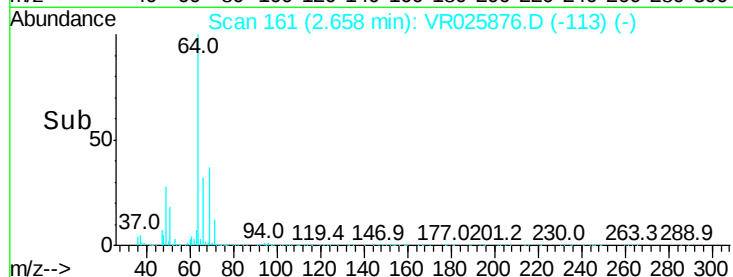
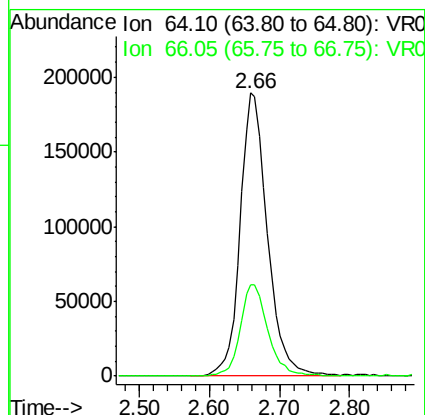
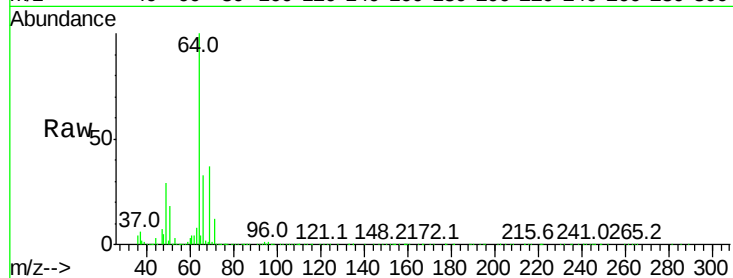
VSTD02092

Tgt Ion: 64 Resp: 512265

Ion Ratio Lower Upper

64 100

66 32.5 21.3 39.5



#9

Trichlorofluoromethane

Concen: 5.211 ug/L

RT: 2.93 min Scan# 206

Delta R.T. 0.00 min

Lab File: VR025876.D

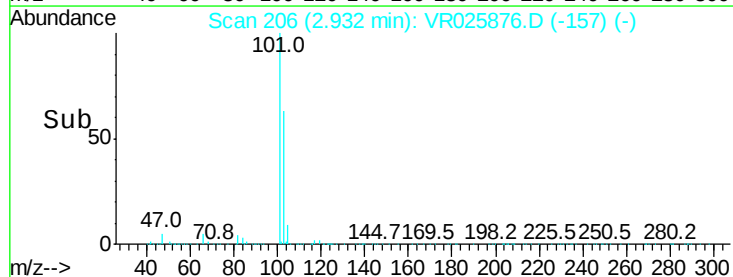
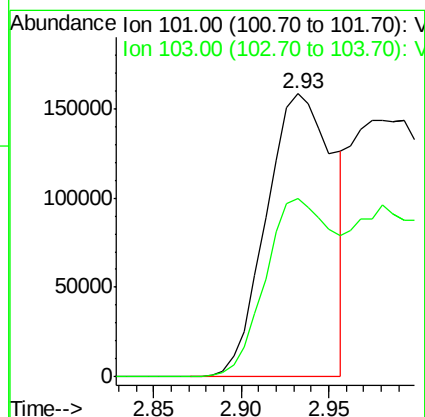
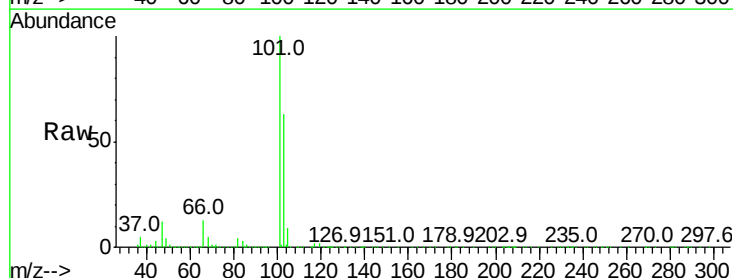
Acq: 27 Sep 2018 14:41

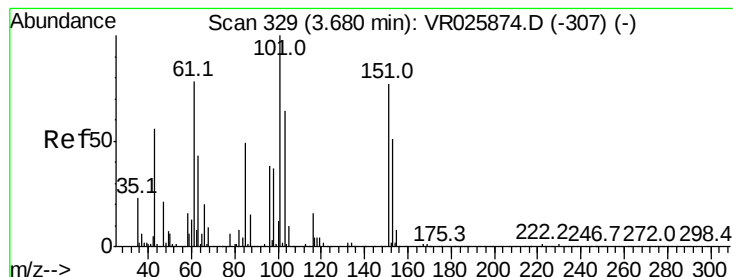
Tgt Ion: 101 Resp: 422891

Ion Ratio Lower Upper

101 100

103 63.9 22.1 33.1#





#10

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

Concen: 15.053 ug/L

RT: 3.69 min Scan# 330

Delta R.T. -0.00 min

Lab File: VR025876.D

Acq: 27 Sep 2018 14:41

Instrument :

MSVOA_R

ClientSampleId :

VSTD02092

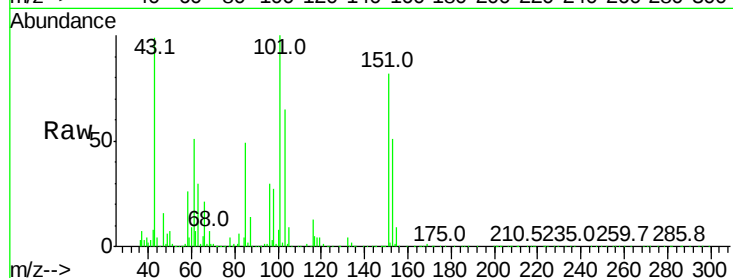
Tgt Ion:101 Resp: 744269

Ion Ratio Lower Upper

101 100

85 46.9 38.2 57.4

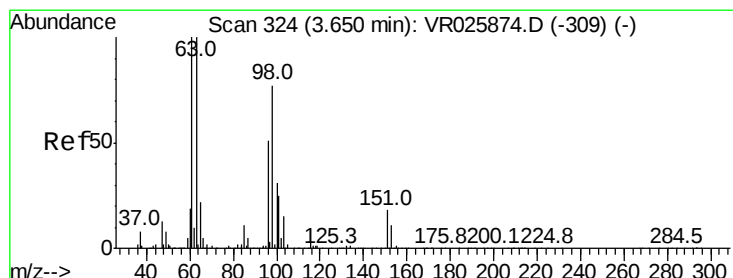
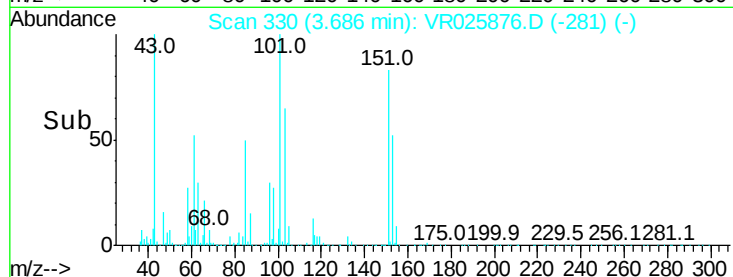
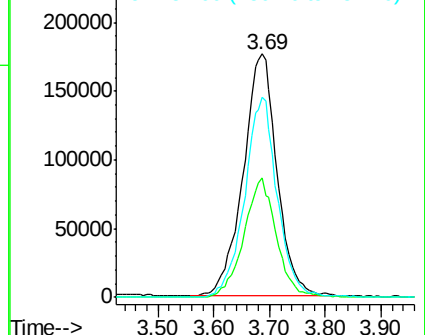
151 79.7 58.4 87.6



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: 15.040 ug/L

RT: 3.65 min Scan# 324

Delta R.T. -0.01 min

Lab File: VR025876.D

Acq: 27 Sep 2018 14:41

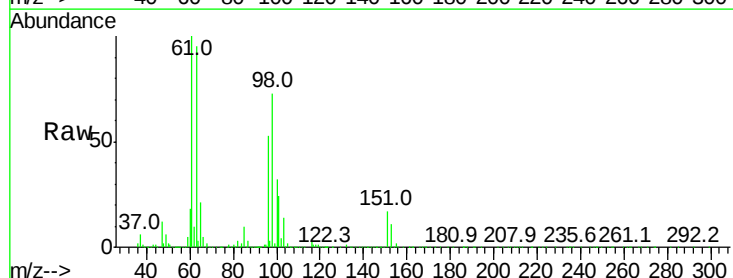
Tgt Ion: 96 Resp: 790528

Ion Ratio Lower Upper

96 100

61 189.7 145.0 269.4

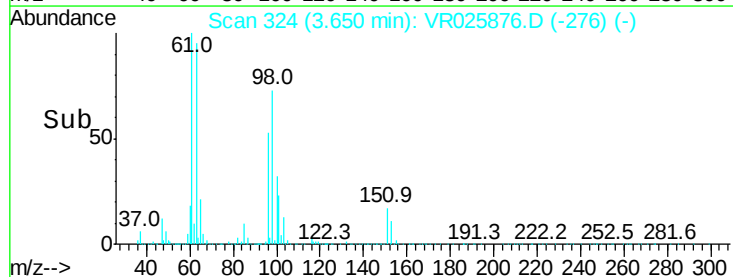
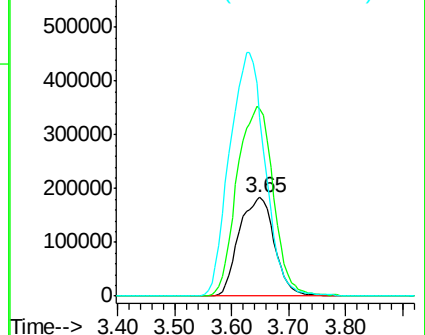
63 180.0 123.8 230.0

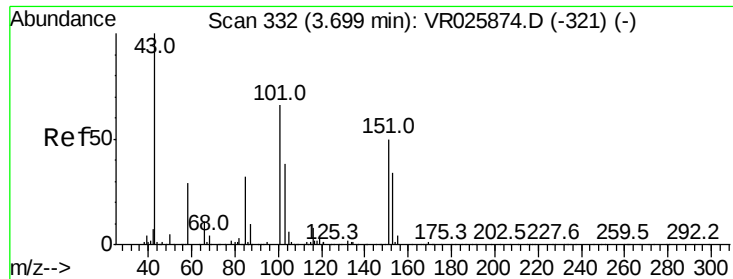


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0

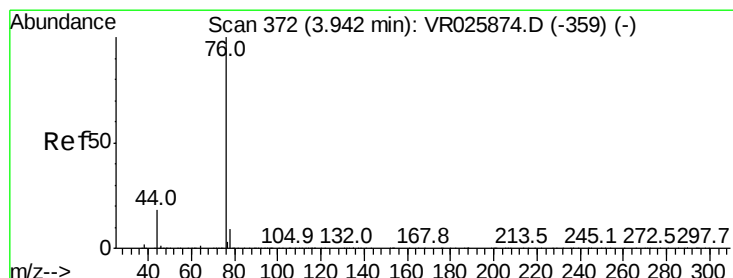
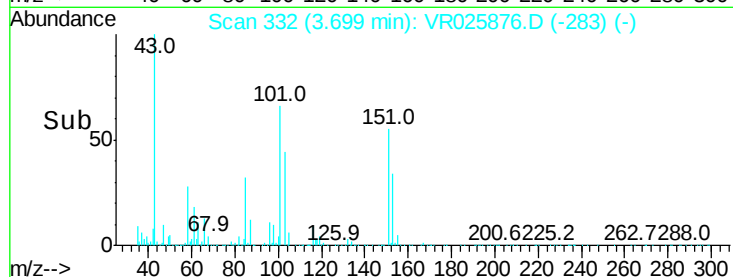
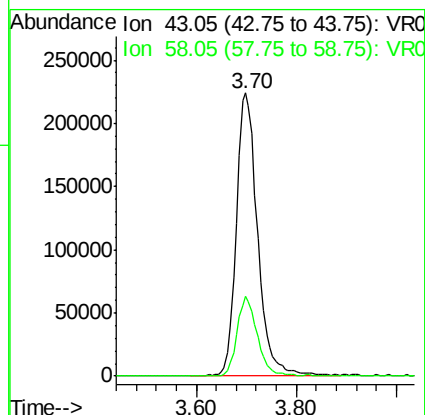
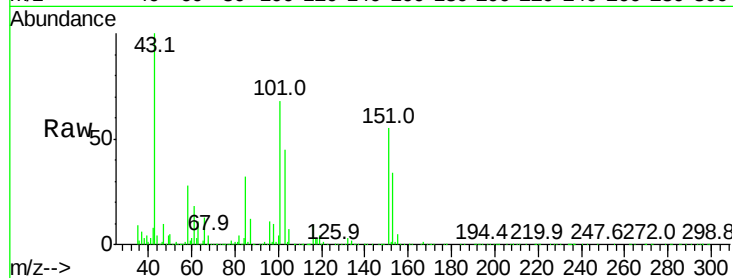




#13
Acetone
Concen: 173.134 ug/L
RT: 3.70 min Scan# 332
Delta R.T. -0.00 min
Lab File: VR025876.D
Acq: 27 Sep 2018 14:41

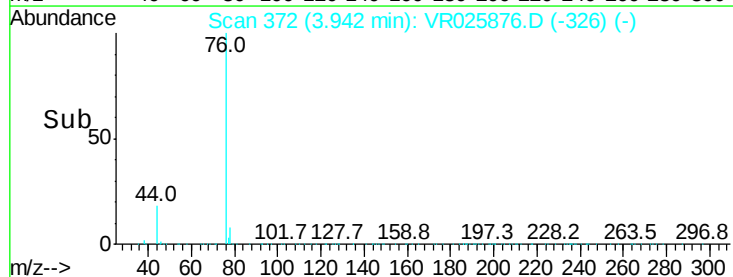
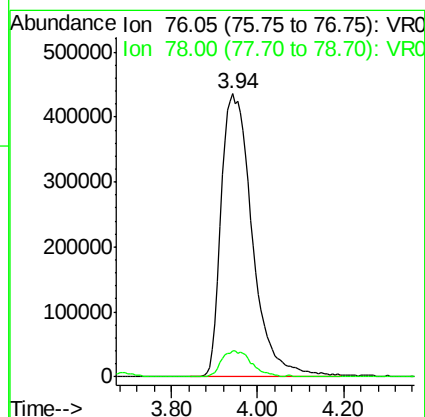
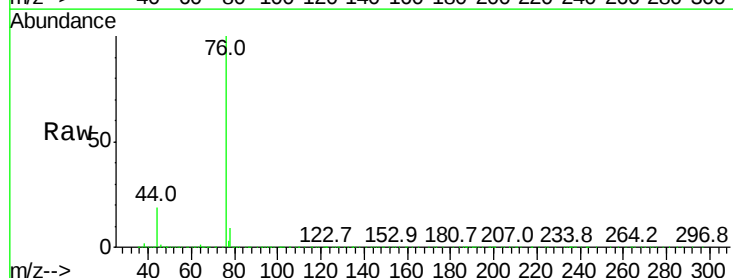
Instrument :
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VSTD02092

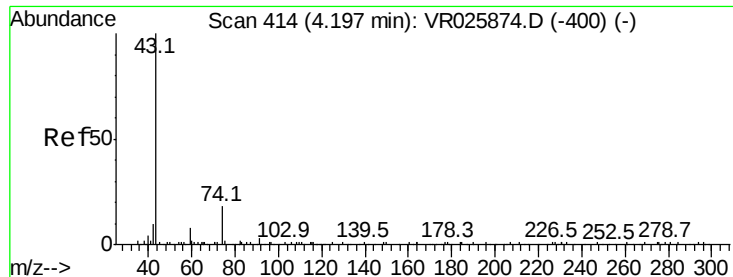
Tgt Ion: 43 Resp: 664502
Ion Ratio Lower Upper
43 100
58 26.8 0.0 51.4



#14
Carbon disulfide
Concen: 15.067 ug/L
RT: 3.94 min Scan# 372
Delta R.T. -0.02 min
Lab File: VR025876.D
Acq: 27 Sep 2018 14:41

Tgt Ion: 76 Resp: 2228370
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.6





#15

Methyl Acetate

Concen: 14.525 ug/L

RT: 4.19 min Scan# 413

Delta R.T. -0.01 min

Lab File: VR025876.D

Acq: 27 Sep 2018 14:41

Instrument :

MSVOA_R

ClientSampleId :

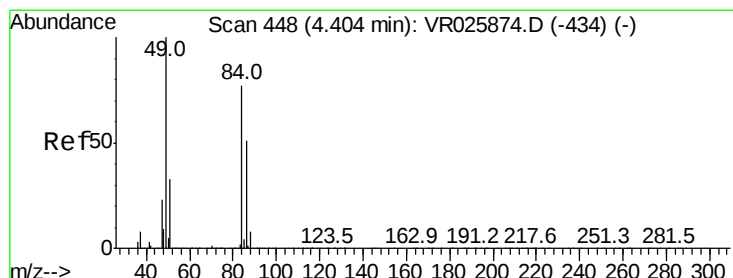
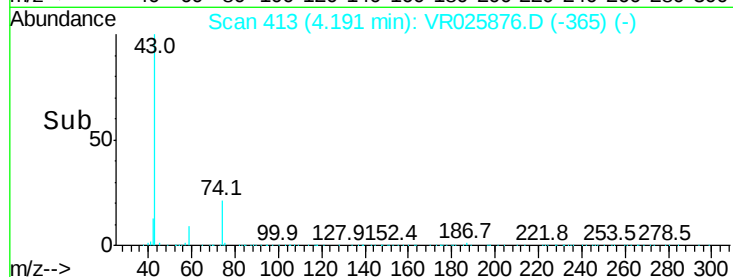
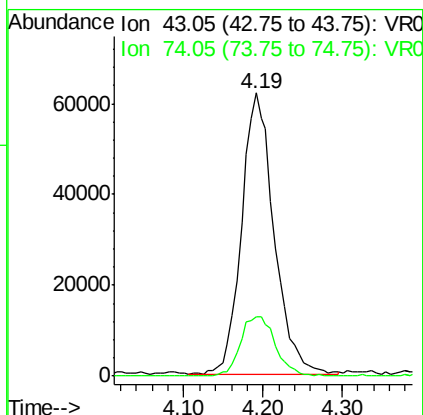
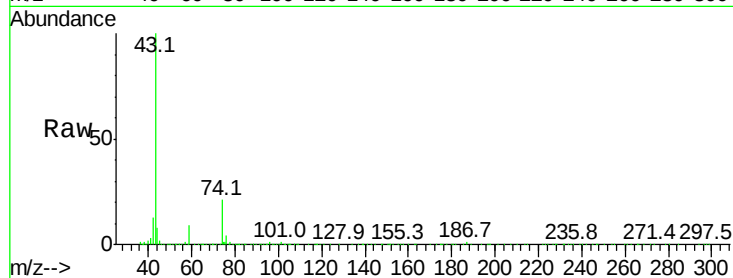
VSTD02092

Tgt Ion: 43 Resp: 178856

Ion Ratio Lower Upper

43 100

74 22.6 19.0 28.4



#16

Methylene chloride

Concen: 14.410 ug/L

RT: 4.40 min Scan# 448

Delta R.T. -0.01 min

Lab File: VR025876.D

Acq: 27 Sep 2018 14:41

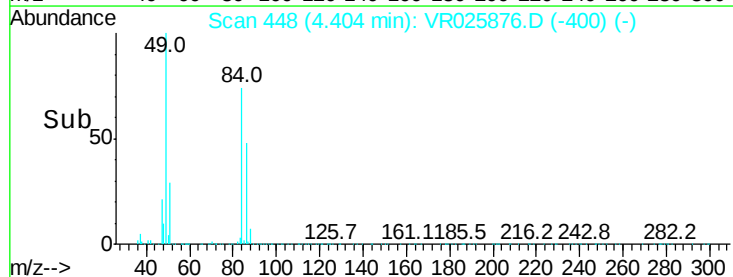
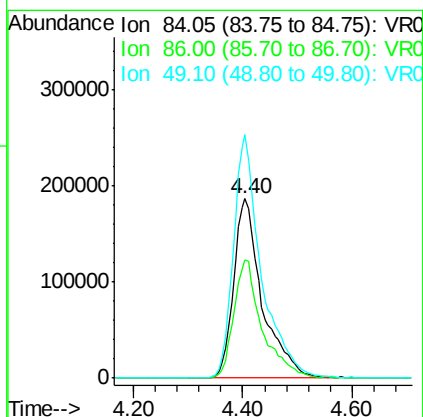
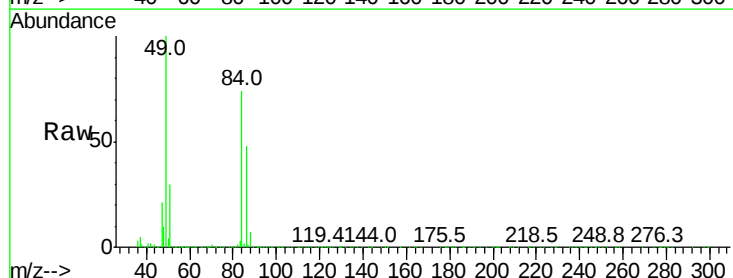
Tgt Ion: 84 Resp: 680992

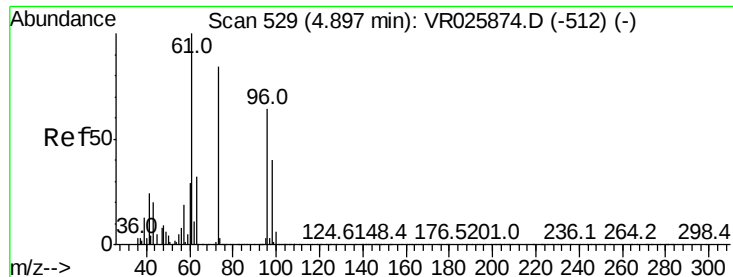
Ion Ratio Lower Upper

84 100

86 65.7 43.1 80.1

49 135.9 95.5 177.3



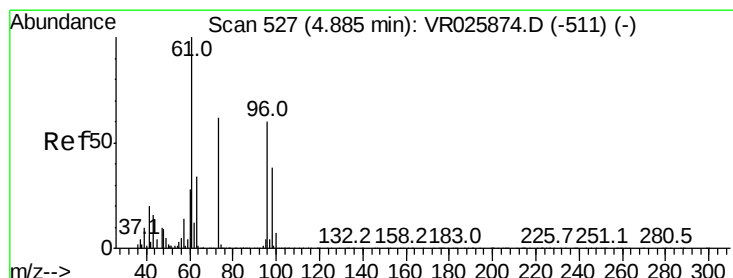
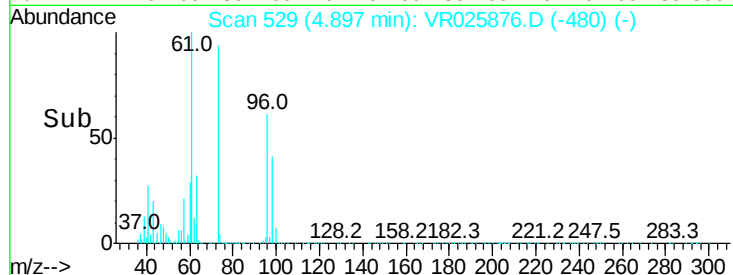
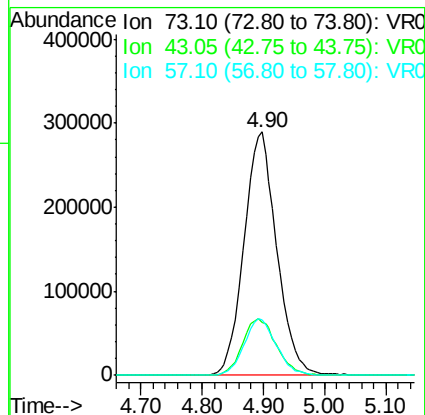
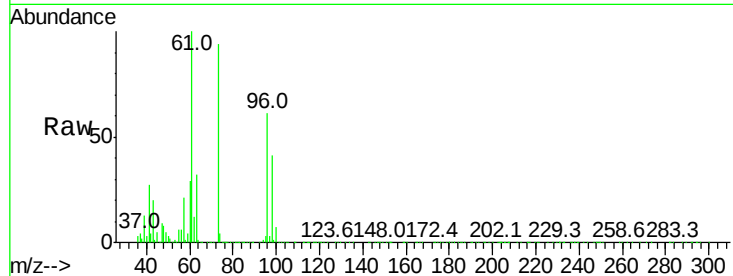


#17

Methyl tert-butyl Ether
 Concen: 11.668 ug/L
 RT: 4.90 min Scan# 529
 Delta R.T. -0.00 min
 Lab File: VR025876.D
 Acq: 27 Sep 2018 14:41

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02092

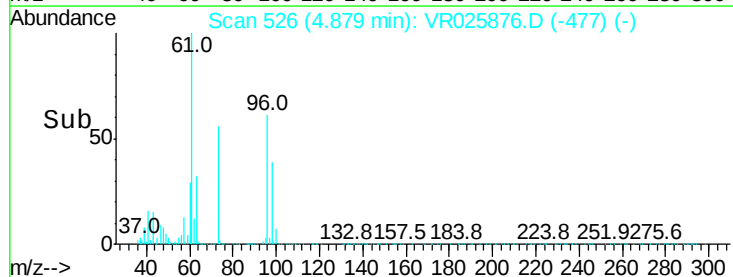
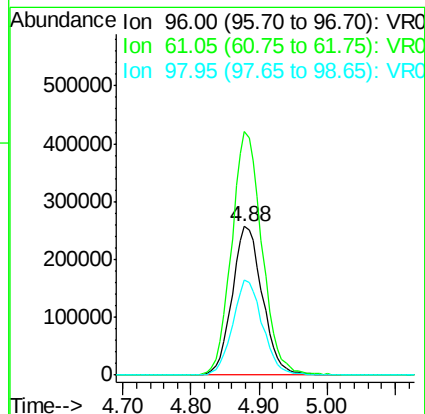
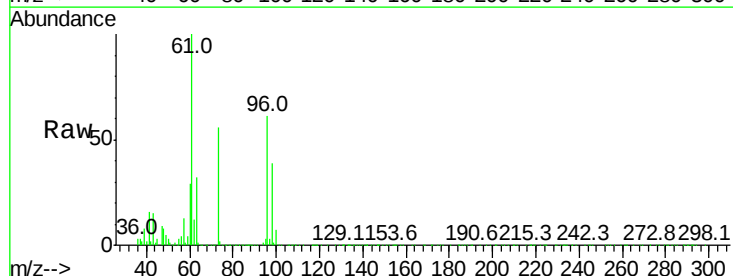
Tgt Ion: 73 Resp: 1072649
 Ion Ratio Lower Upper
 73 100
 43 24.2 19.8 29.8
 57 22.8 17.9 26.9

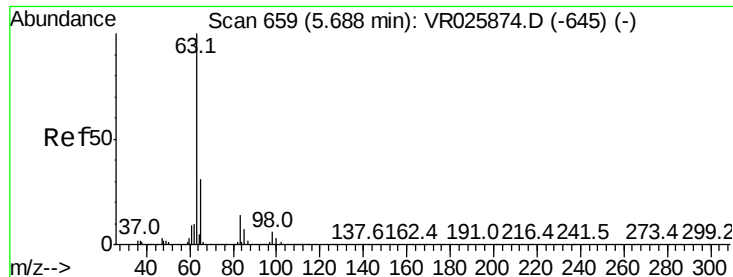


#18

trans-1,2-Dichloroethene
 Concen: 13.354 ug/L
 RT: 4.88 min Scan# 526
 Delta R.T. -0.00 min
 Lab File: VR025876.D
 Acq: 27 Sep 2018 14:41

Tgt Ion: 96 Resp: 794126
 Ion Ratio Lower Upper
 96 100
 61 164.2 127.4 236.6
 98 64.1 43.8 81.3

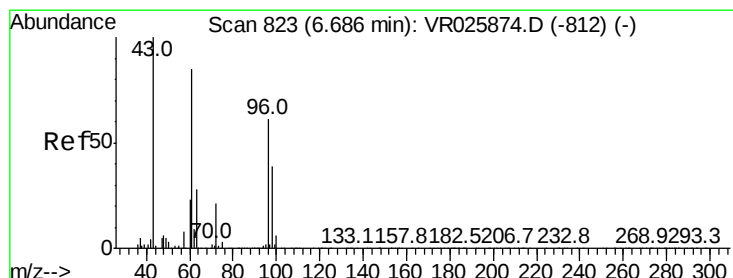
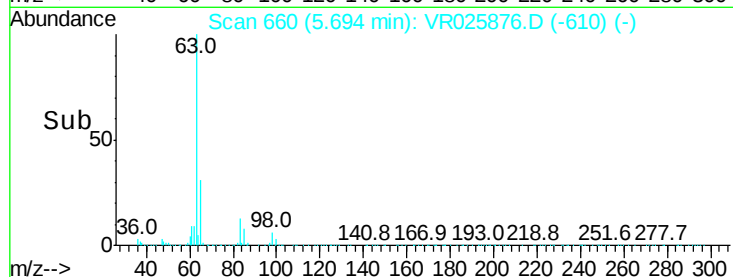
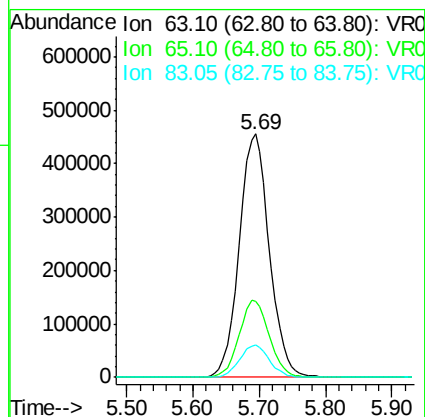
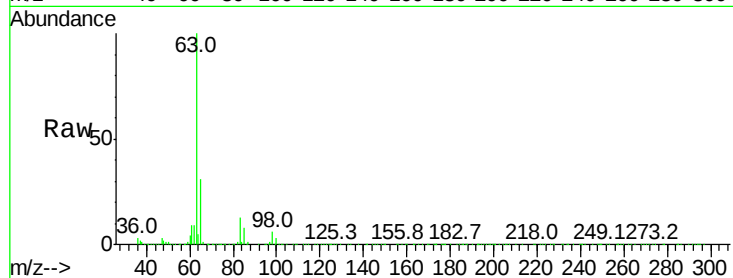




#19
 1,1-Dichloroethane
 Concen: 11.771 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. 0.01 min
 Lab File: VR025876.D
 Acq: 27 Sep 2018 14:41

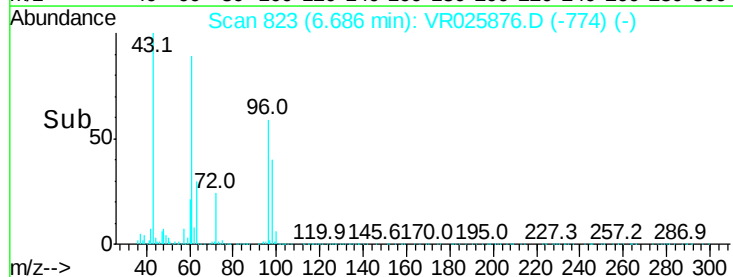
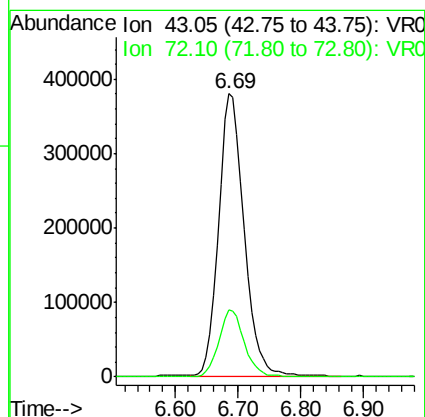
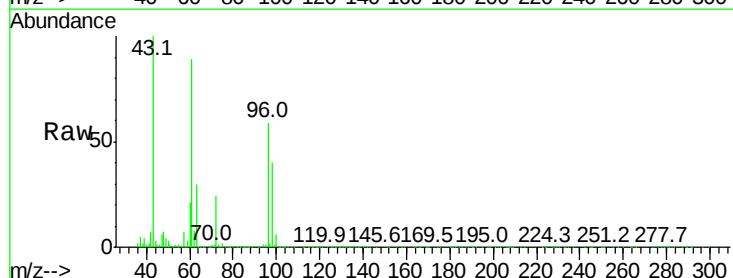
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02092

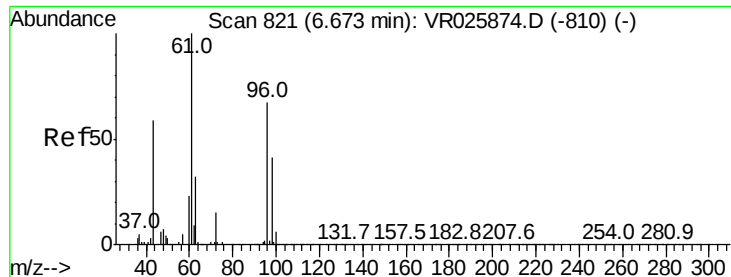
Tgt Ion: 63 Resp: 1431162
 Ion Ratio Lower Upper
 63 100
 65 30.9 21.1 39.1
 83 13.3 8.9 16.5



#21
 2-Butanone
 Concen: 132.825 ug/L
 RT: 6.69 min Scan# 823
 Delta R.T. -0.00 min
 Lab File: VR025876.D
 Acq: 27 Sep 2018 14:41

Tgt Ion: 43 Resp: 1062488
 Ion Ratio Lower Upper
 43 100
 72 23.7 11.9 35.7



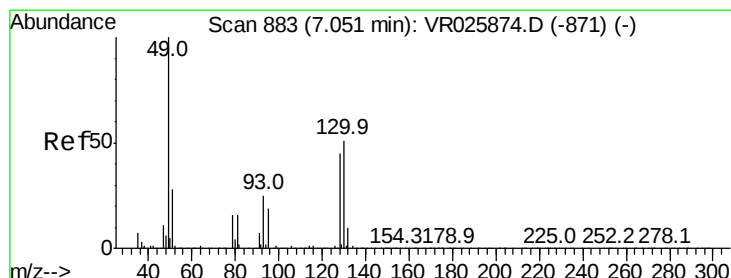
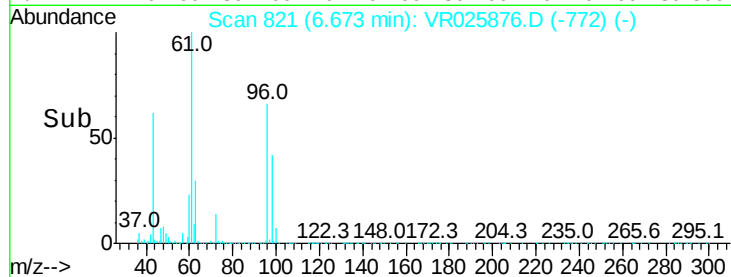
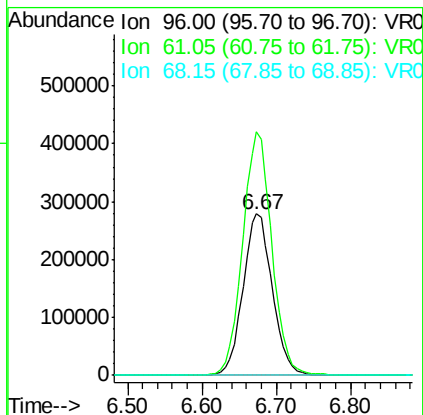
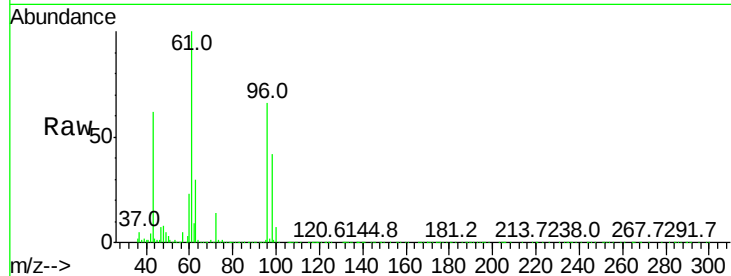


#22

cis-1,2-Dichloroethene
Concen: 12.830 ug/L
RT: 6.67 min Scan# 821
Delta R.T. -0.00 min
Lab File: VR025876.D
Acq: 27 Sep 2018 14:41

Instrument :
MSVOA_R
ClientSampled :
VSTD02092

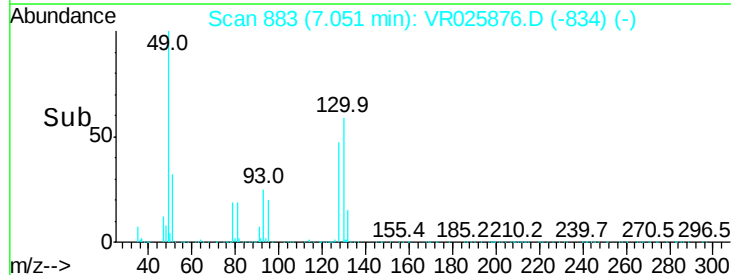
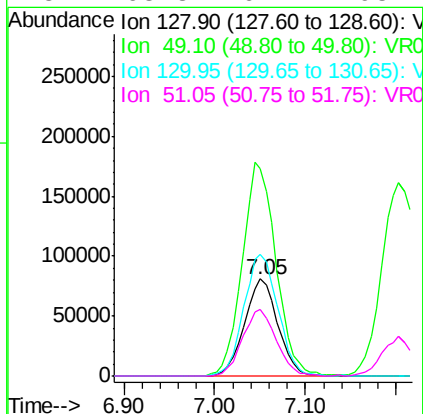
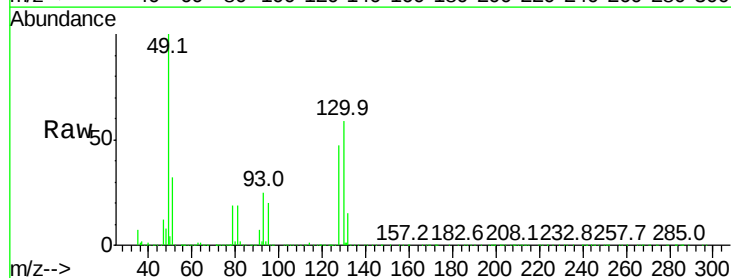
Tgt Ion: 96 Resp: 768491
Ion Ratio Lower Upper
96 100
61 150.7 108.7 201.9
68 0.0 0.1 0.1#

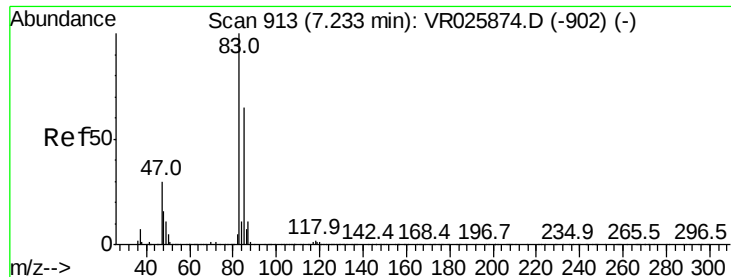


#23

Bromochloromethane
Concen: 12.981 ug/L
RT: 7.05 min Scan# 883
Delta R.T. -0.00 min
Lab File: VR025876.D
Acq: 27 Sep 2018 14:41

Tgt Ion: 128 Resp: 204930
Ion Ratio Lower Upper
128 100
49 213.4 175.0 325.0
130 125.1 85.6 159.0
51 68.3 62.2 93.2





#25

Chloroform

Concen: 12.573 ug/L

RT: 7.23 min Scan# 913

Delta R.T. 0.01 min

Lab File: VR025876.D

Acq: 27 Sep 2018 14:41

Instrument :

MSVOA_R

ClientSampleId :

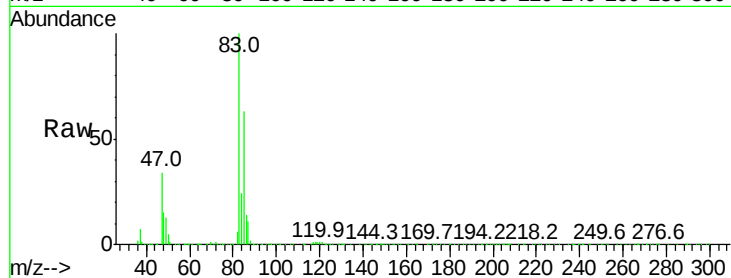
VSTD02092

Tgt Ion: 83 Resp: 1405521

Ion Ratio Lower Upper

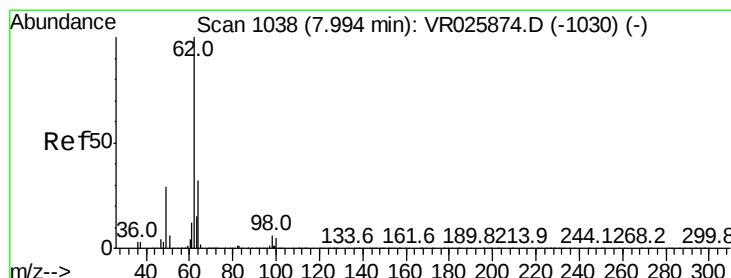
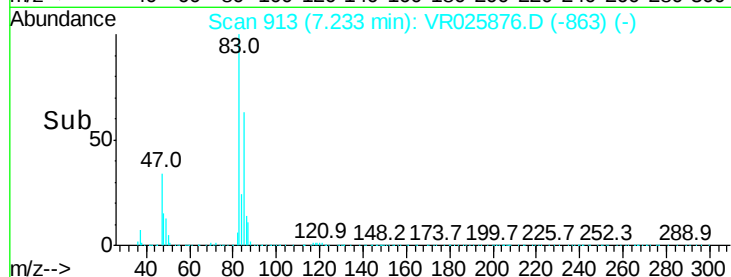
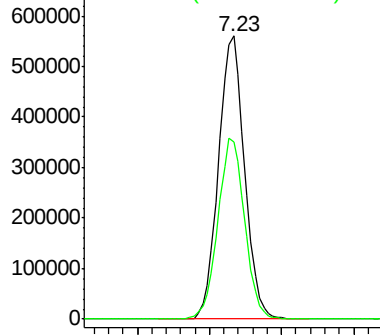
83 100

85 62.6 43.8 81.4



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0



#27

1,2-Dichloroethane

Concen: 11.946 ug/L

RT: 7.99 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VR025876.D

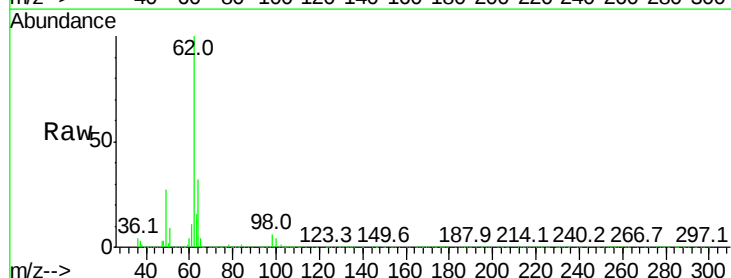
Acq: 27 Sep 2018 14:41

Tgt Ion: 62 Resp: 690204

Ion Ratio Lower Upper

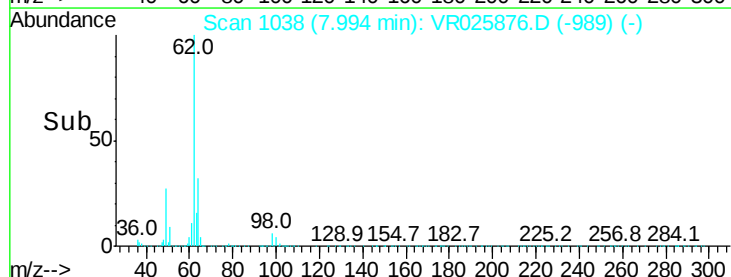
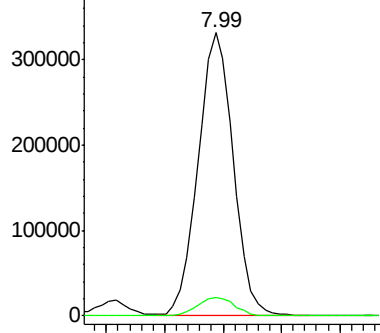
62 100

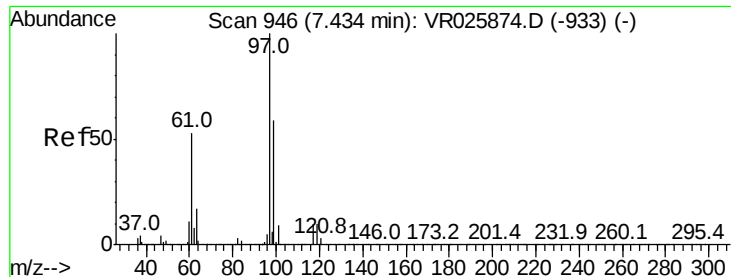
98 6.5 5.2 7.8



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0



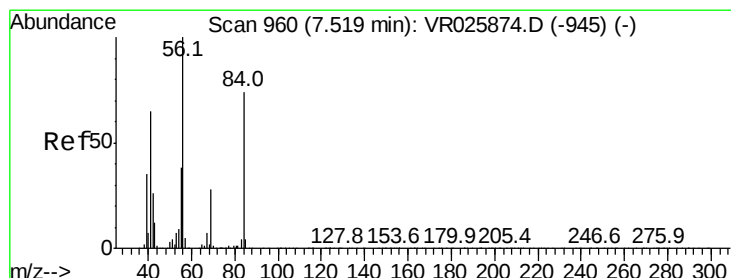
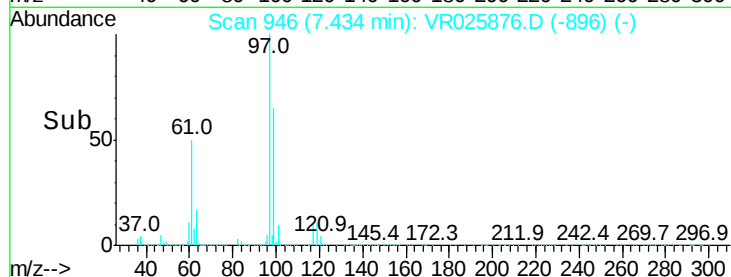
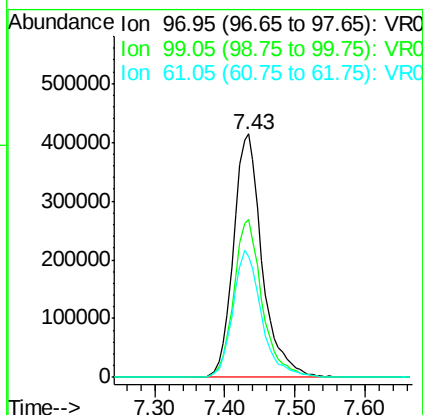
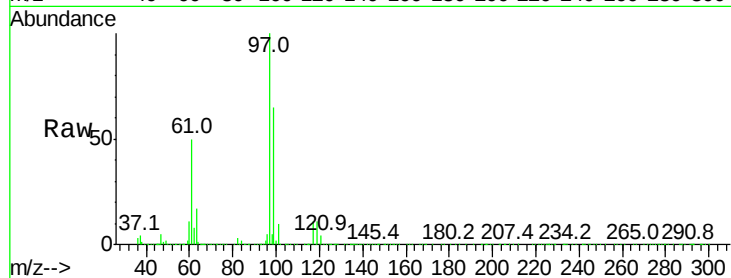


#29
 1,1,1-Trichloroethane
 Concen: 11.137 ug/L
 RT: 7.43 min Scan# 946
 Delta R.T. 0.01 min
 Lab File: VR025876.D
 Acq: 27 Sep 2018 14:41

Instrument :
 MSVOA_R
 ClientSampled :
 VSTD02092

Tgt Ion: 97 Resp: 1176877

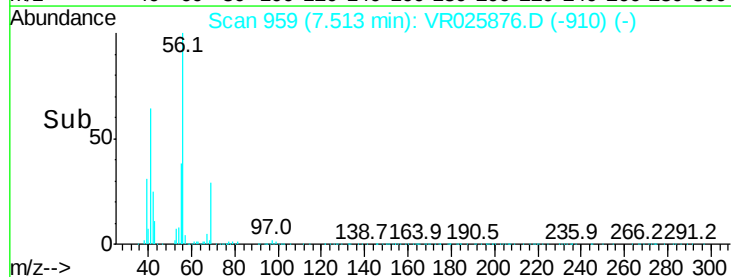
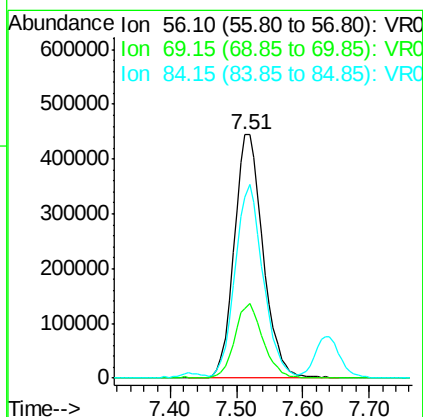
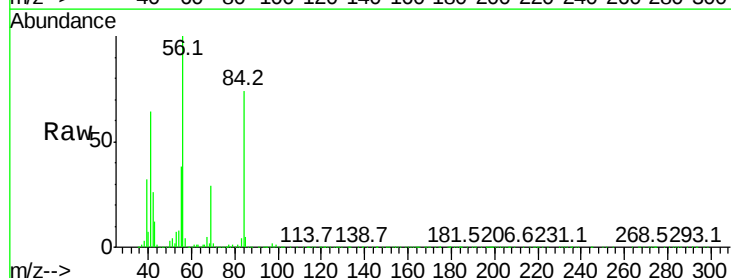
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.0	76.6
61	52.0	41.6	62.4

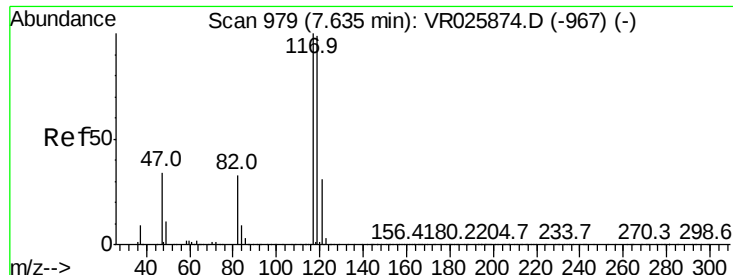


#30
 Cyclohexane
 Concen: 10.647 ug/L
 RT: 7.51 min Scan# 959
 Delta R.T. -0.00 min
 Lab File: VR025876.D
 Acq: 27 Sep 2018 14:41

Tgt Ion: 56 Resp: 1341236

Ion	Ratio	Lower	Upper
56	100		
69	29.8	24.8	37.2
84	77.5	59.8	89.8



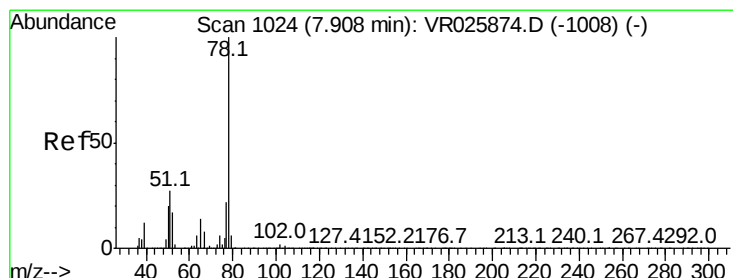
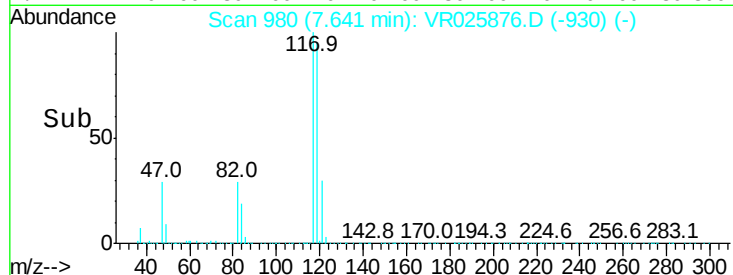
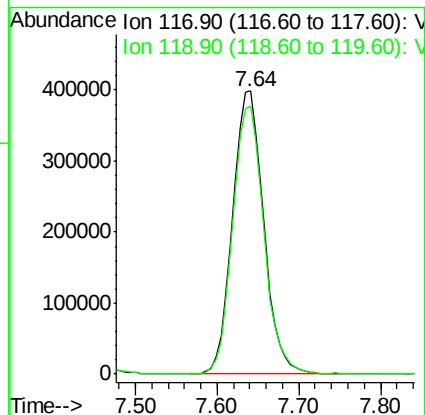
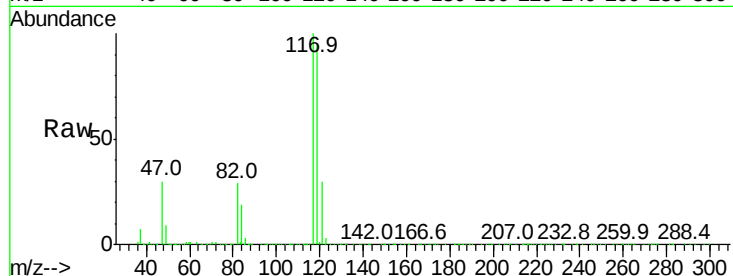


#31

Carbon tetrachloride
Concen: 12.010 ug/L
RT: 7.64 min Scan# 980
Delta R.T. 0.01 min
Lab File: VR025876.D
Acq: 27 Sep 2018 14:41

Instrument :
MSVOA_R
ClientSampleId :
VSTD02092

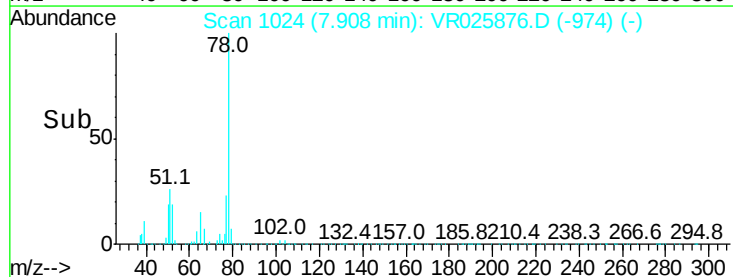
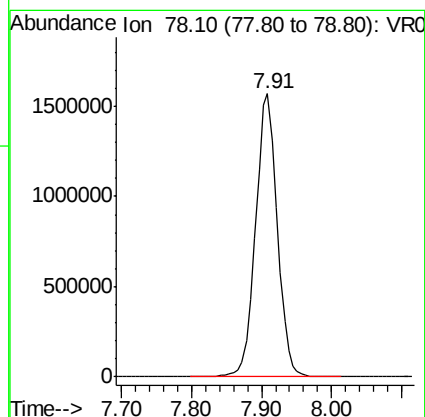
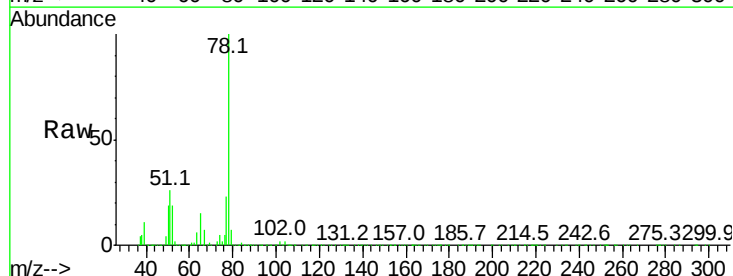
Tgt Ion: 117 Resp: 1044217
Ion Ratio Lower Upper
117 100
119 95.0 75.6 113.4

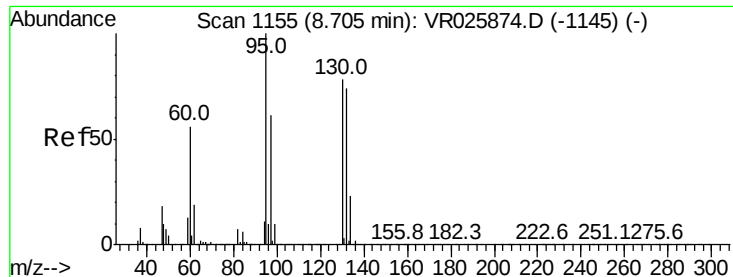


#33

Benzene
Concen: 12.300 ug/L
RT: 7.91 min Scan# 1024
Delta R.T. 0.01 min
Lab File: VR025876.D
Acq: 27 Sep 2018 14:41

Tgt Ion: 78 Resp: 3378393

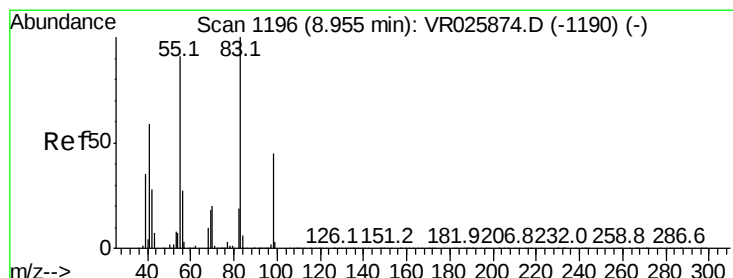
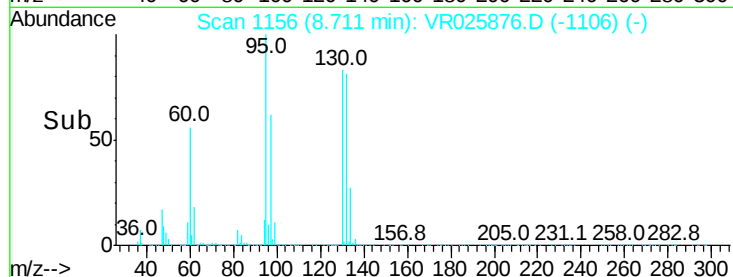
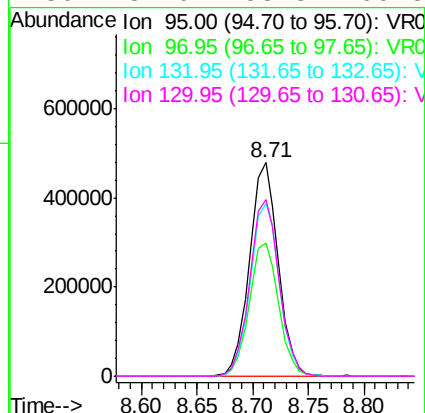
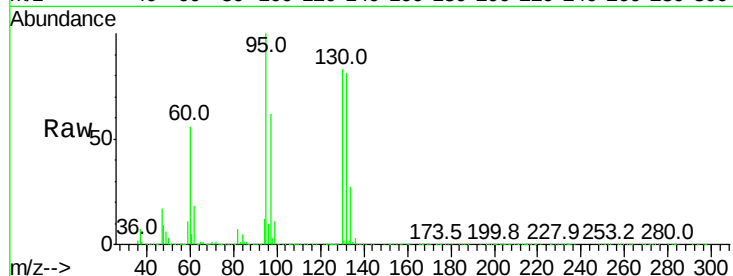




#34
 Trichloroethene
 Concen: 11.765 ug/L
 RT: 8.71 min Scan# 1156
 Delta R.T. 0.01 min
 Lab File: VR025876.D
 Acq: 27 Sep 2018 14:41

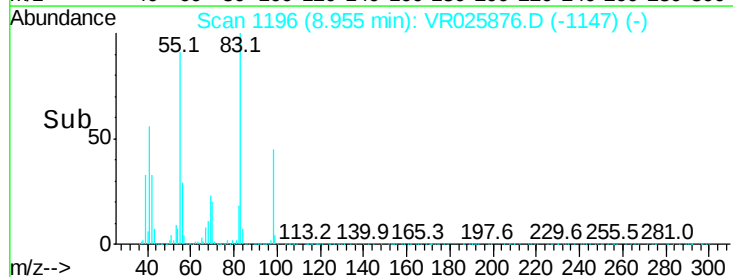
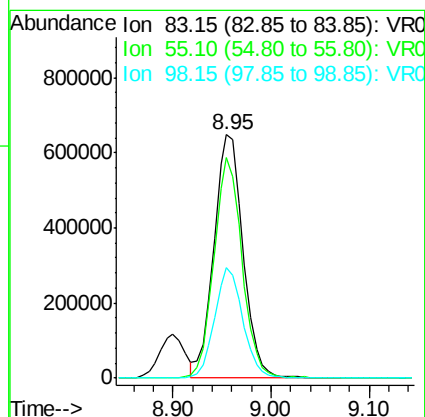
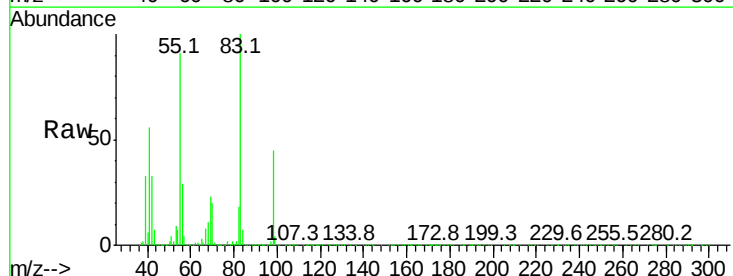
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02092

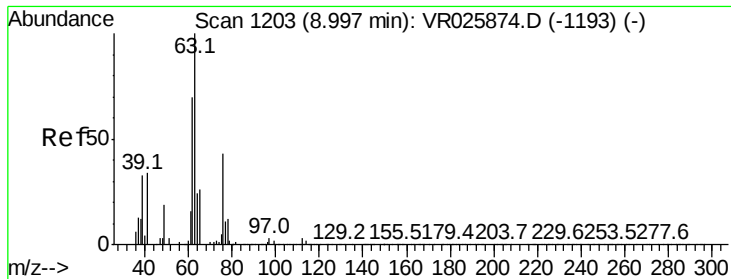
Tgt Ion:	95	Resp:	857630
Ion	Ratio	Lower	Upper
95	100		
97	62.2	43.9	81.5
132	80.9	53.3	98.9
130	82.9	53.8	99.8



#35
 Methylcyclohexane
 Concen: 11.109 ug/L
 RT: 8.95 min Scan# 1196
 Delta R.T. -0.00 min
 Lab File: VR025876.D
 Acq: 27 Sep 2018 14:41

Tgt Ion:	83	Resp:	1327988
Ion	Ratio	Lower	Upper
83	100		
55	88.1	71.8	107.6
98	44.5	34.2	51.4





#37

1,2-Dichloropropane

Concen: 11.655 ug/L

RT: 9.00 min Scan# 1203

Delta R.T. 0.01 min

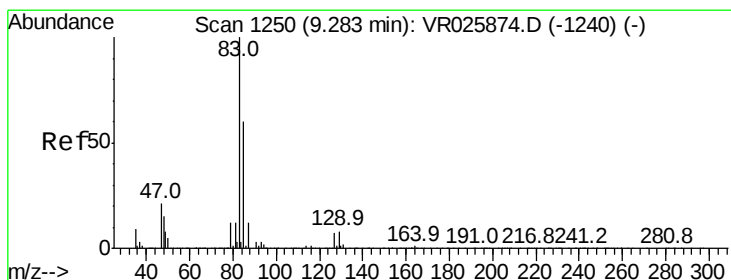
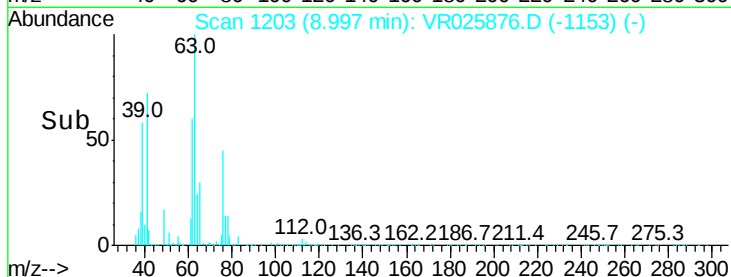
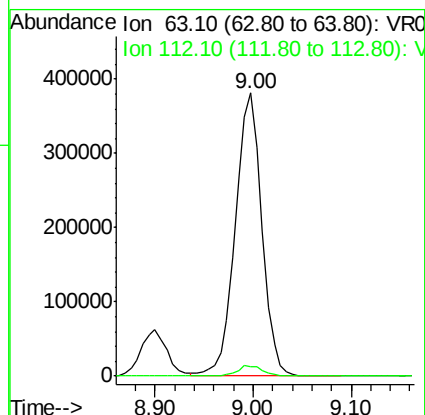
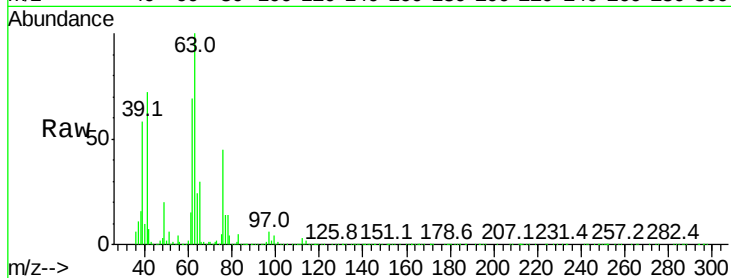
Lab File: VR025876.D

Acq: 27 Sep 2018 14:41

Instrument :
MSVOA_R
ClientSampleId :
VSTD02092

Tgt Ion: 63 Resp: 713740

Ion	Ratio	Lower	Upper
63	100		
112	3.5	2.5	3.7



#38

Bromodichloromethane

Concen: 12.153 ug/L

RT: 9.28 min Scan# 1250

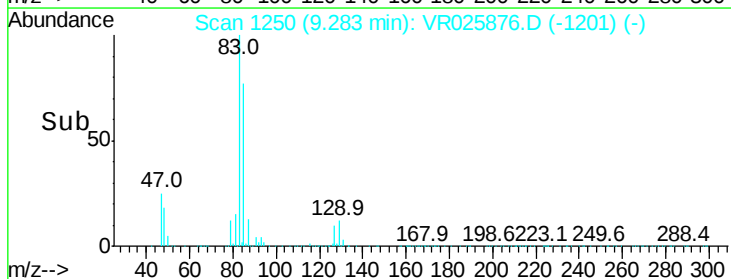
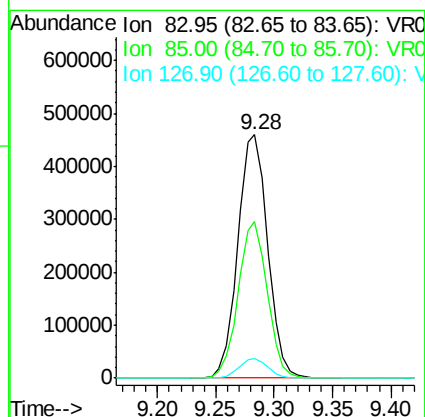
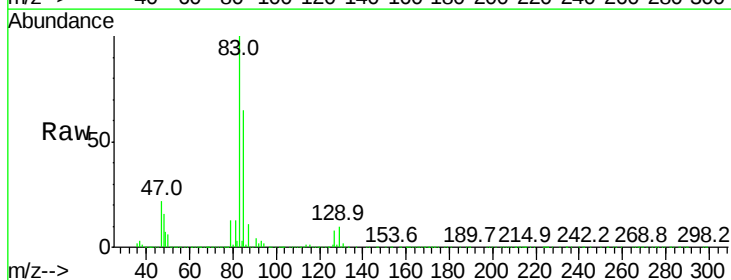
Delta R.T. 0.00 min

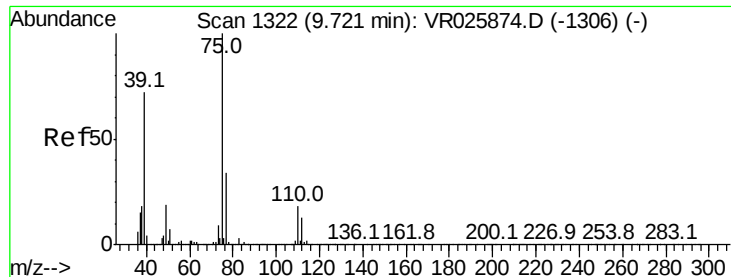
Lab File: VR025876.D

Acq: 27 Sep 2018 14:41

Tgt Ion: 83 Resp: 821659

Ion	Ratio	Lower	Upper
83	100		
85	64.6	42.8	79.4
127	8.0	5.6	8.4





#39

cis-1,3-Dichloropropene

Concen: 12.586 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VR025876.D

Acq: 27 Sep 2018 14:41

Instrument :

MSVOA_R

ClientSampleId :

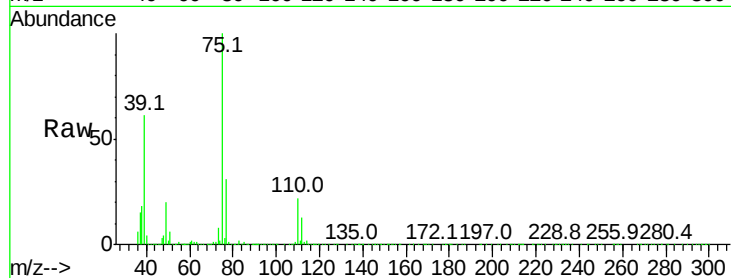
VSTD02092

Tgt Ion: 75 Resp: 943571

Ion Ratio Lower Upper

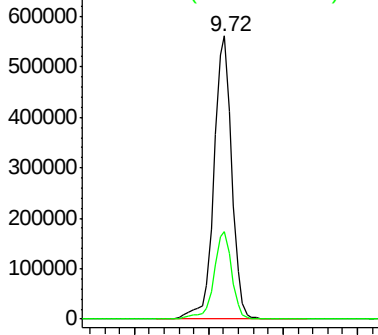
75 100

77 30.7 21.5 39.9

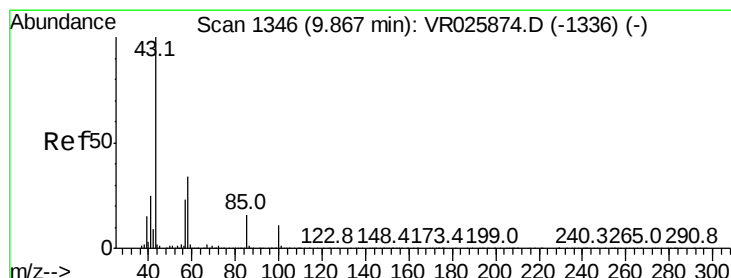
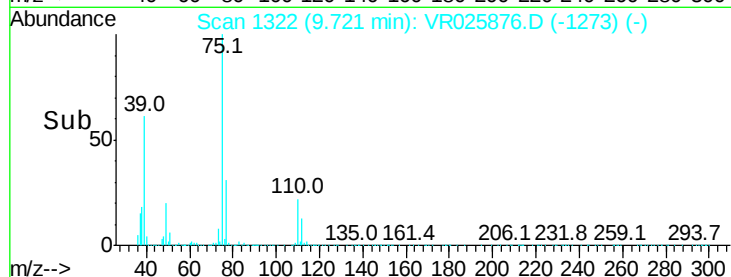


Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0



Time-->



#40

4-Methyl-2-pentanone

Concen: 126.041 ug/L

RT: 9.87 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VR025876.D

Acq: 27 Sep 2018 14:41

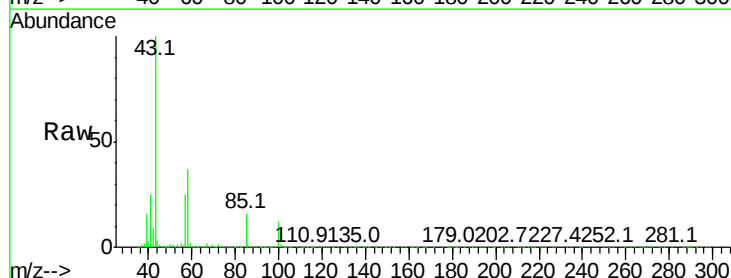
Tgt Ion: 43 Resp: 2687263

Ion Ratio Lower Upper

43 100

58 35.6 28.6 43.0

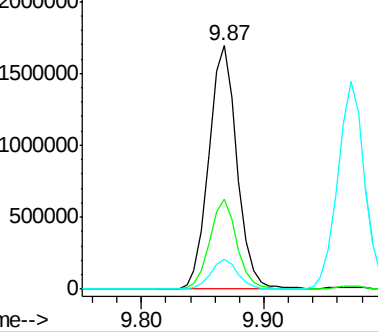
100 12.0 9.0 13.4



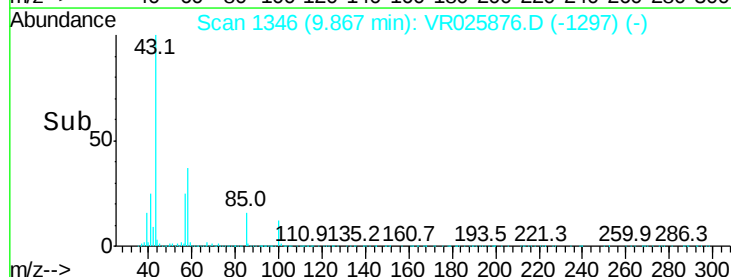
Abundance Ion 43.05 (42.75 to 43.75): VR0

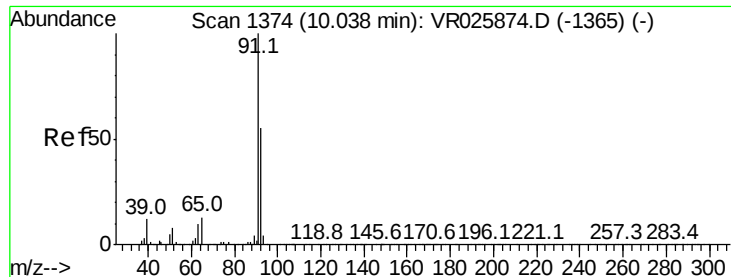
Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0



Time-->





#42

Toluene

Concen: 12.741 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.01 min

Lab File: VR025876.D

Acq: 27 Sep 2018 14:41

Instrument :

MSVOA_R

ClientSampleId :

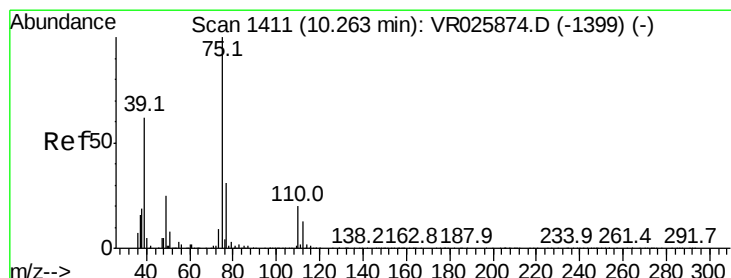
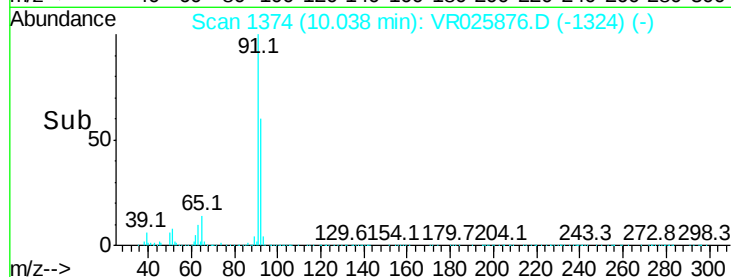
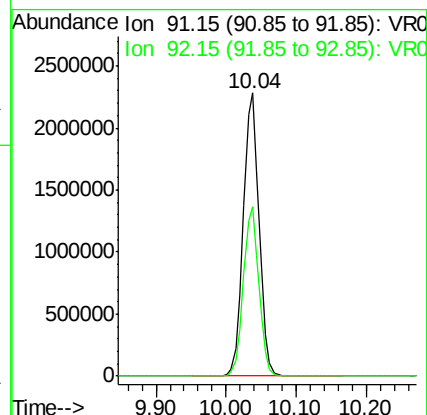
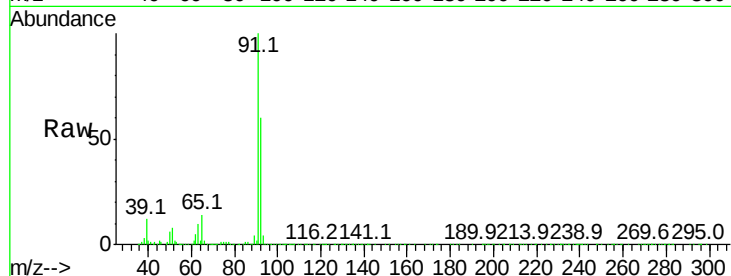
VSTD02092

Tgt Ion: 91 Resp: 3566631

Ion Ratio Lower Upper

91 100

92 60.0 41.8 77.6



#44

trans-1,3-Dichloropropene

Concen: 12.665 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR025876.D

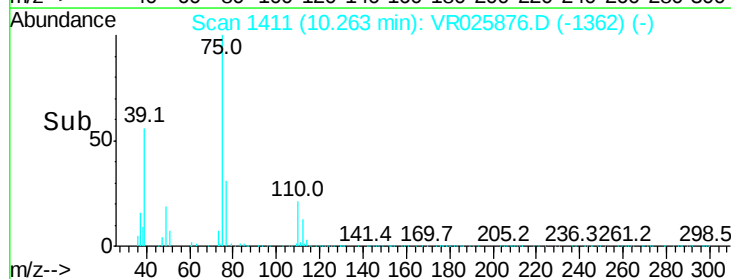
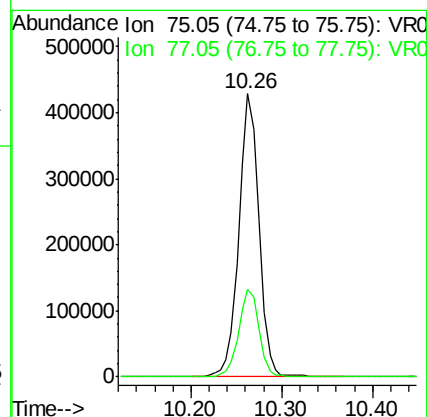
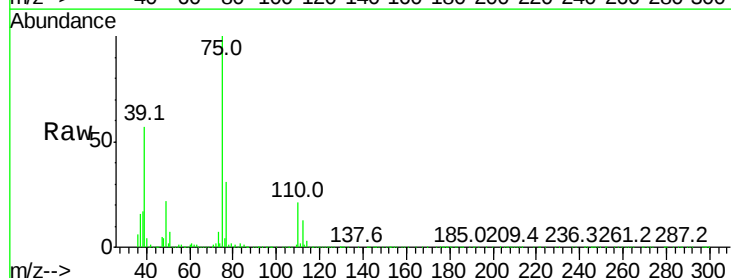
Acq: 27 Sep 2018 14:41

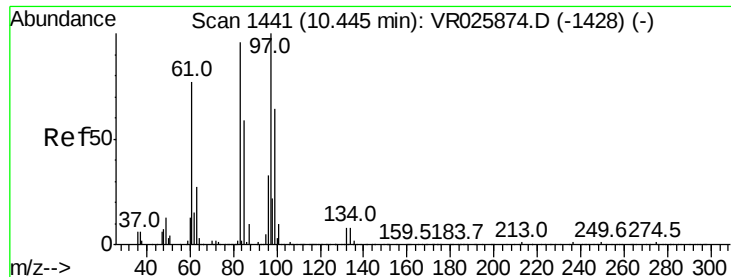
Tgt Ion: 75 Resp: 657985

Ion Ratio Lower Upper

75 100

77 31.1 23.0 42.8

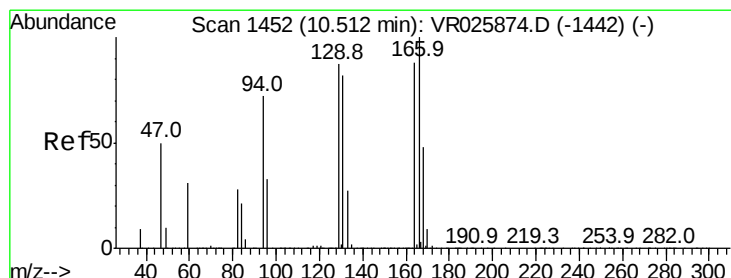
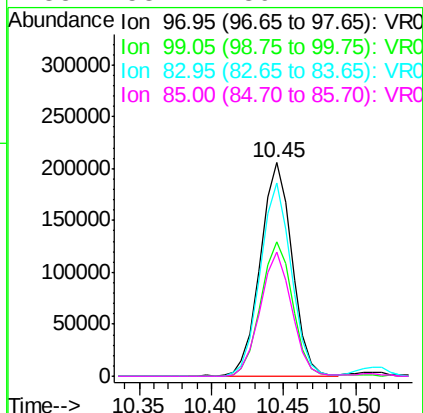
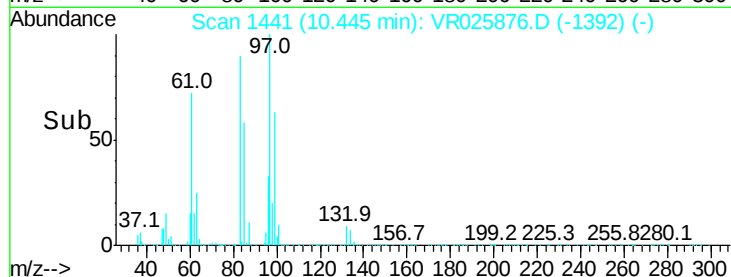
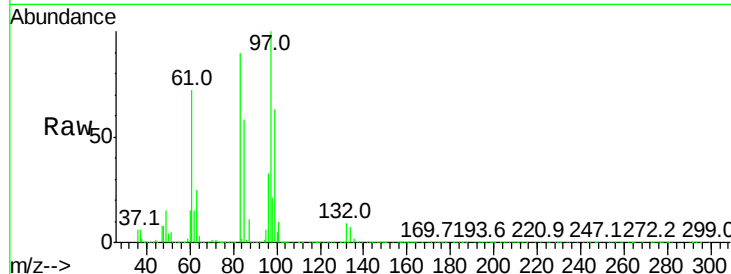




#45
 1,1,2-Trichloroethane
 Concen: 12.207 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VR025876.D
 Acq: 27 Sep 2018 14:41

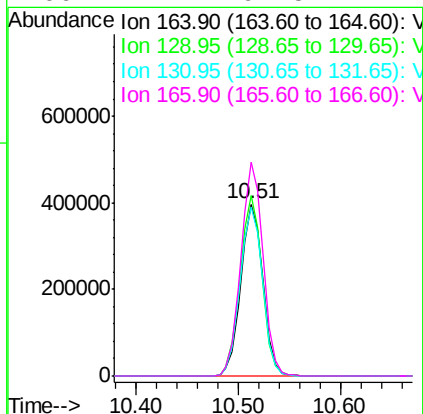
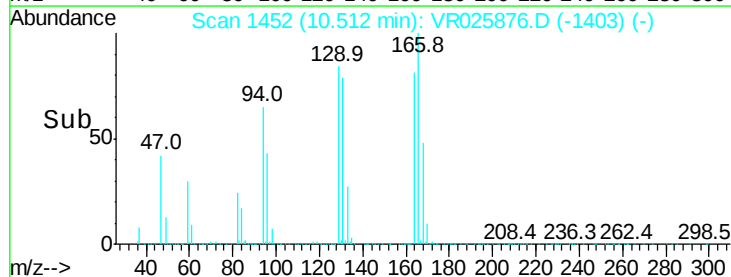
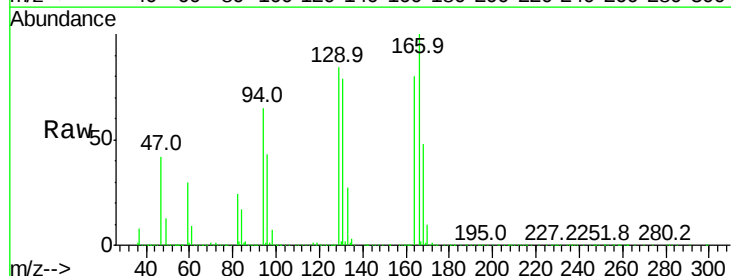
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02092

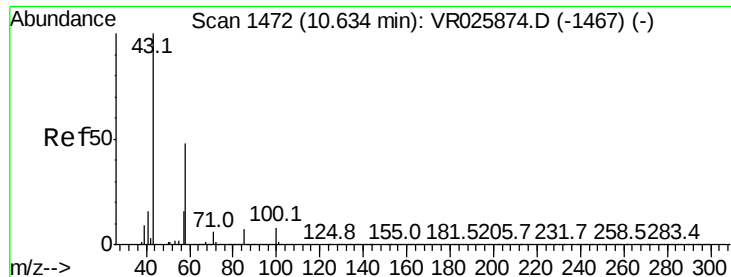
Tgt Ion:	97	Resp:	313407
Ion	Ratio	Lower	Upper
97	100		
99	63.2	39.6	73.6
83	90.4	62.2	115.6
85	58.1	39.1	72.7



#47
 Tetrachloroethene
 Concen: 14.085 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: VR025876.D
 Acq: 27 Sep 2018 14:41

Tgt Ion:	164	Resp:	587248
Ion	Ratio	Lower	Upper
164	100		
129	104.8	80.8	150.2
131	98.6	74.5	138.3
166	124.2	92.5	171.7



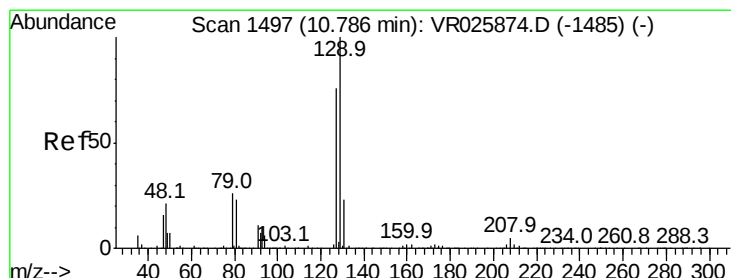
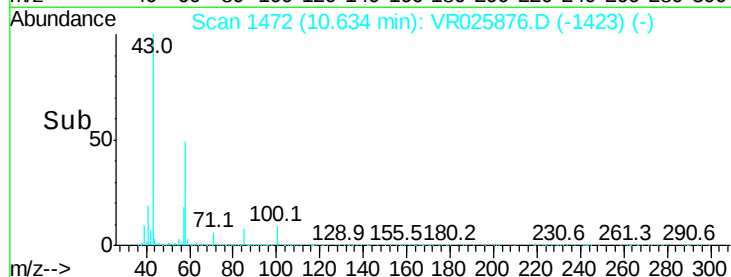
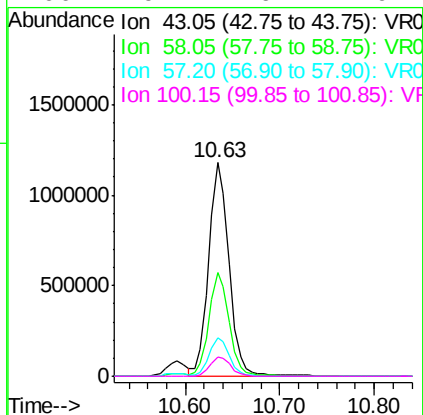
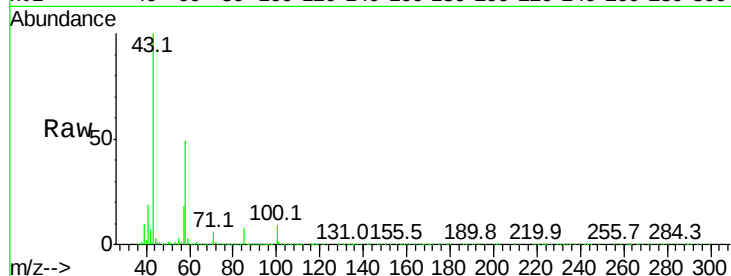


#48
2-Hexanone
Concen: 125.656 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR025876.D
Acq: 27 Sep 2018 14:41

Instrument :
MSVOA_R
ClientSampleId :
VSTD02092

Tgt Ion: 43 Resp: 1761869

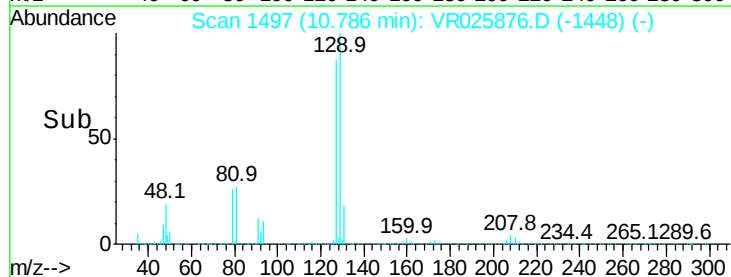
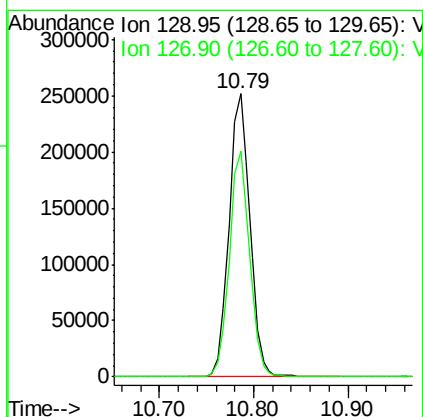
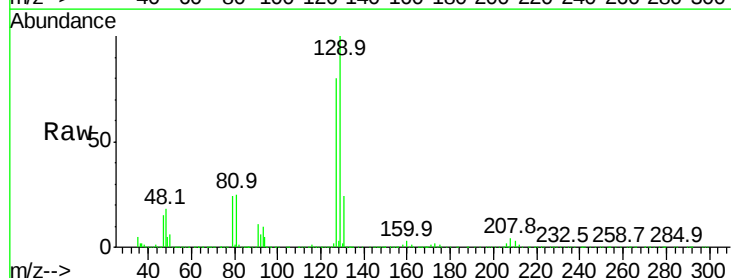
Ion	Ratio	Lower	Upper
43	100		
58	48.5	39.5	59.3
57	17.8	14.6	21.8
100	9.1	6.7	10.1

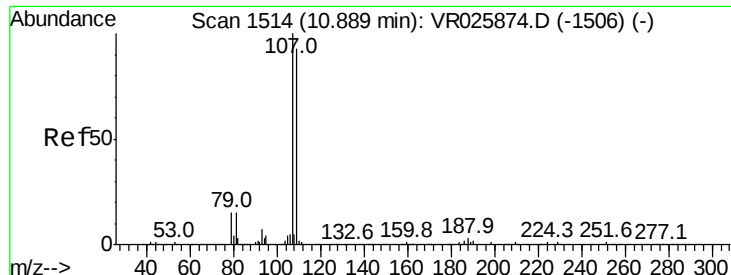


#49
Dibromochloromethane
Concen: 14.475 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VR025876.D
Acq: 27 Sep 2018 14:41

Tgt Ion: 129 Resp: 387185

Ion	Ratio	Lower	Upper
129	100		
127	80.0	54.1	100.5

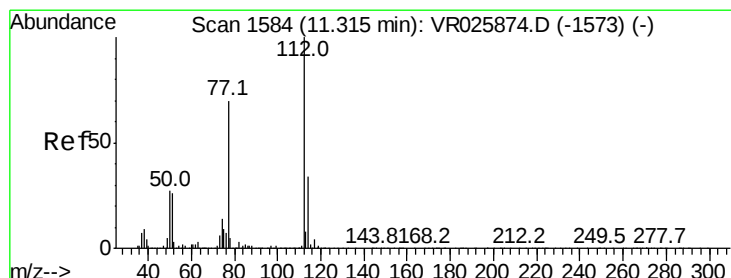
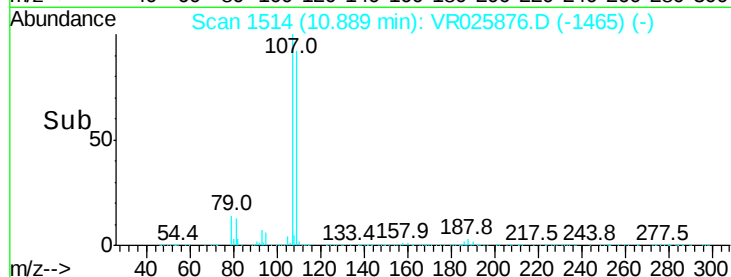
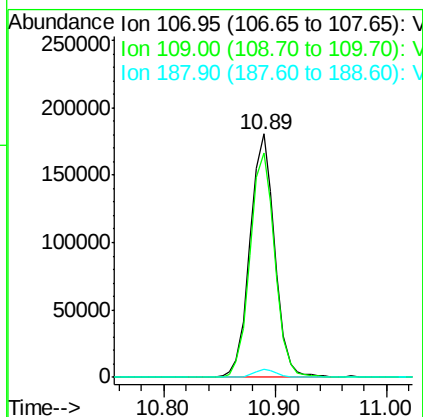
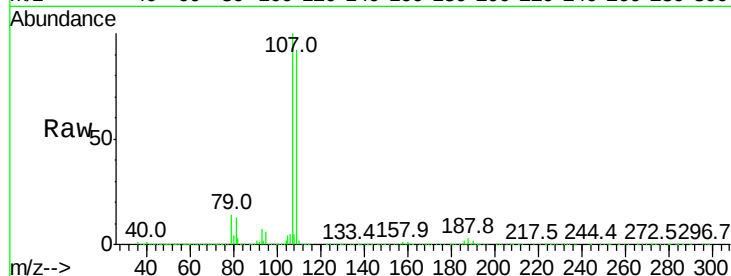




#50
1,2-Dibromoethane
Concen: 12.326 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VR025876.D
Acq: 27 Sep 2018 14:41

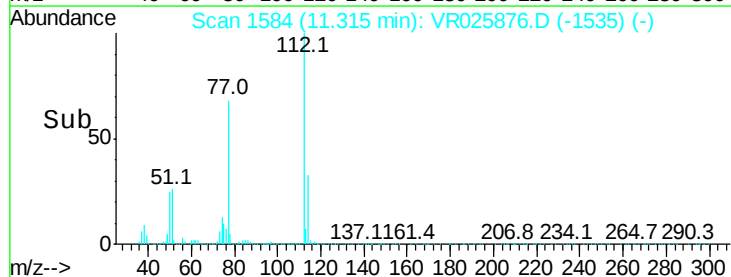
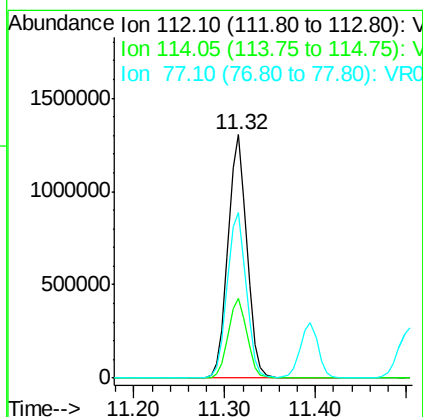
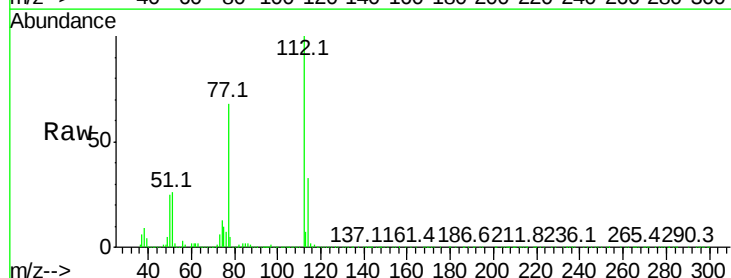
Instrument :
MSVOA_R
ClientSampleId :
VSTD02092

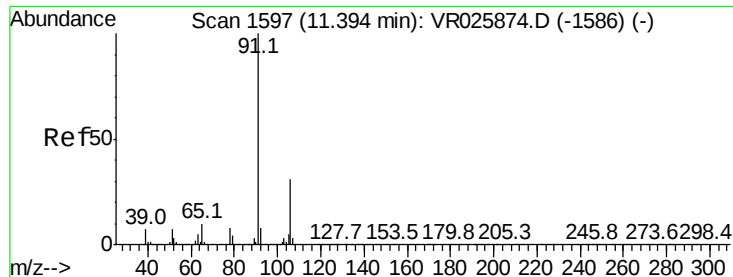
Tgt Ion:107 Resp: 278508
Ion Ratio Lower Upper
107 100
109 92.1 63.5 117.9
188 3.4 1.7 2.5#



#51
Chlorobenzene
Concen: 12.892 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VR025876.D
Acq: 27 Sep 2018 14:41

Tgt Ion:112 Resp: 1893214
Ion Ratio Lower Upper
112 100
114 32.7 22.7 42.3
77 68.2 58.5 87.7





#52

Ethylbenzene

Concen: 12.526 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR025876.D

Acq: 27 Sep 2018 14:41

Instrument :

MSVOA_R

ClientSampleId :

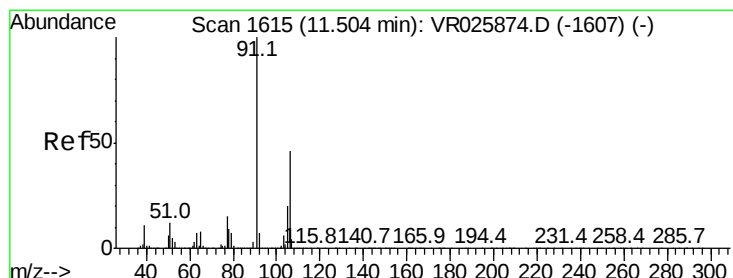
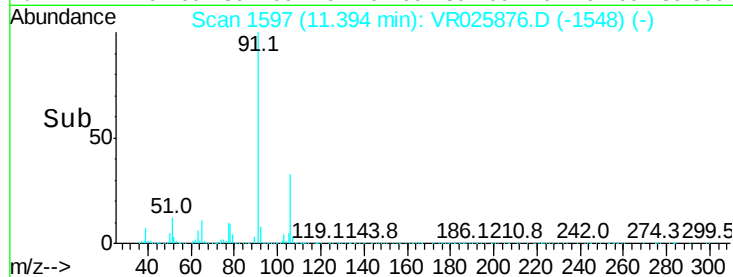
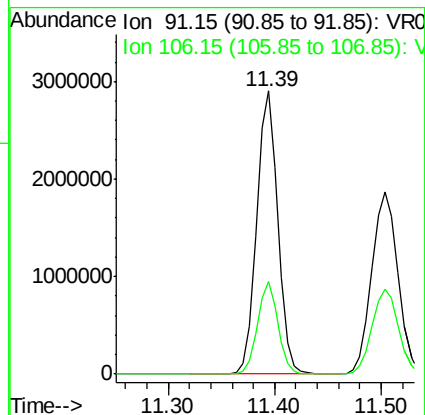
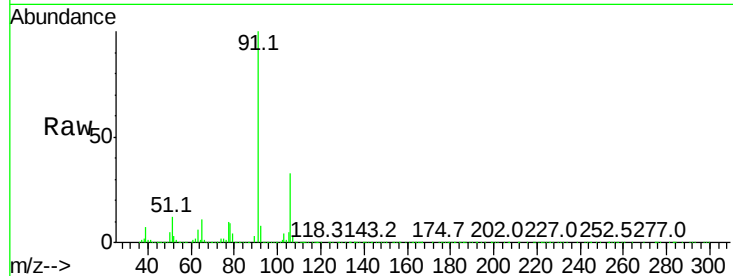
VSTD02092

Tgt Ion: 91 Resp: 4034303

Ion Ratio Lower Upper

91 100

106 32.7 20.6 38.4



#53

m,p-Xylene

Concen: 12.919 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR025876.D

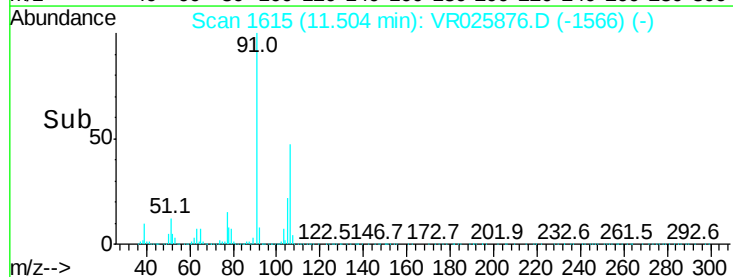
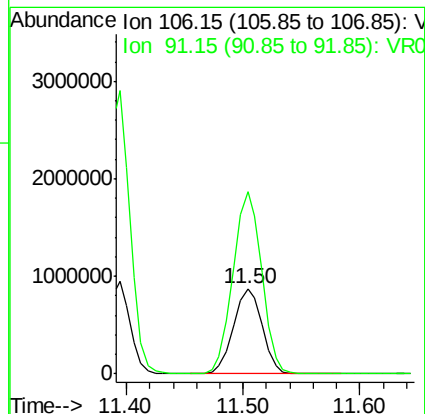
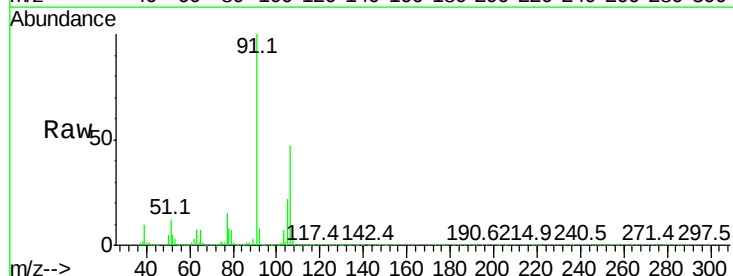
Acq: 27 Sep 2018 14:41

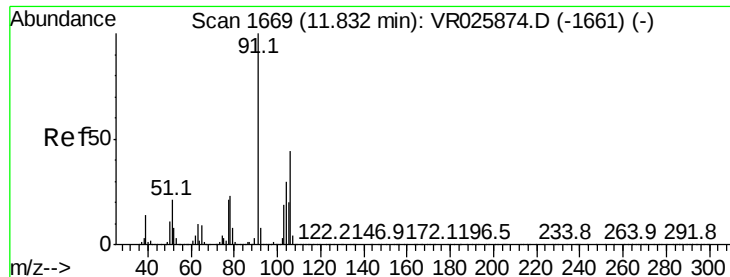
Tgt Ion: 106 Resp: 1500377

Ion Ratio Lower Upper

106 100

91 213.8 159.7 296.5





#54

o-Xylene

Concen: 13.819 ug/L

RT: 11.83 min Scan# 1669

Delta R.T. 0.01 min

Lab File: VR025876.D

Acq: 27 Sep 2018 14:41

Instrument :

MSVOA_R

ClientSampleId :

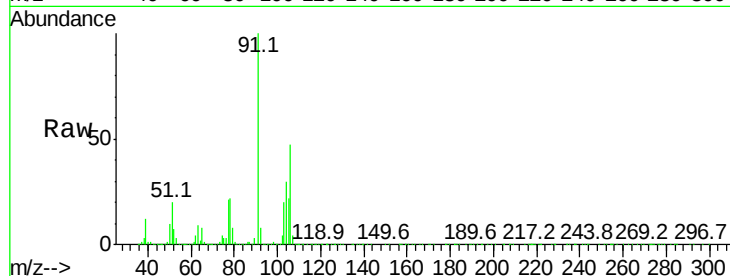
VSTD02092

Tgt Ion:106 Resp: 1469498

Ion Ratio Lower Upper

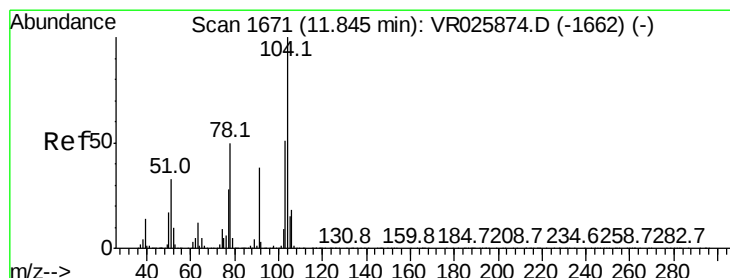
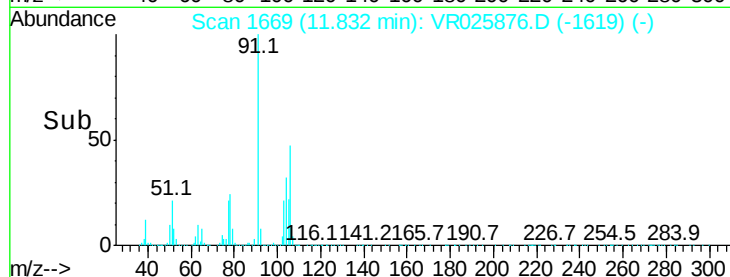
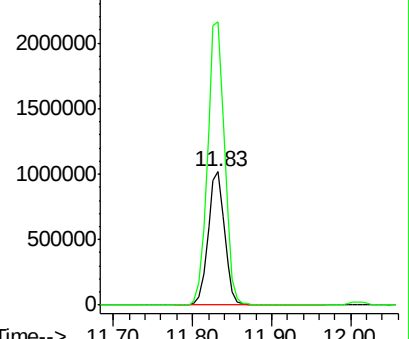
106 100

91 212.3 164.5 305.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0



#55

Styrene

Concen: 14.019 ug/L

RT: 11.84 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VR025876.D

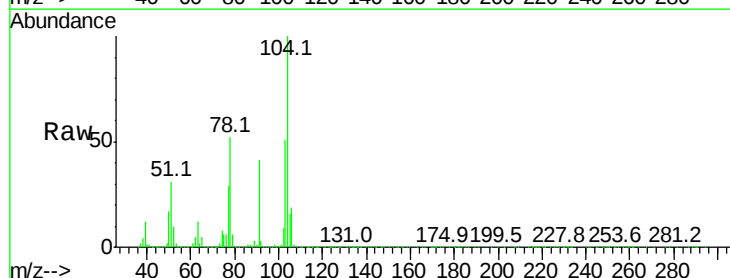
Acq: 27 Sep 2018 14:41

Tgt Ion:104 Resp: 2309823

Ion Ratio Lower Upper

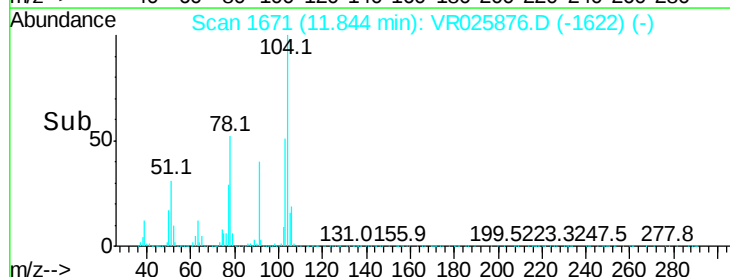
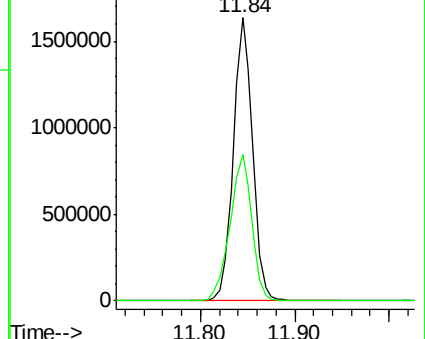
104 100

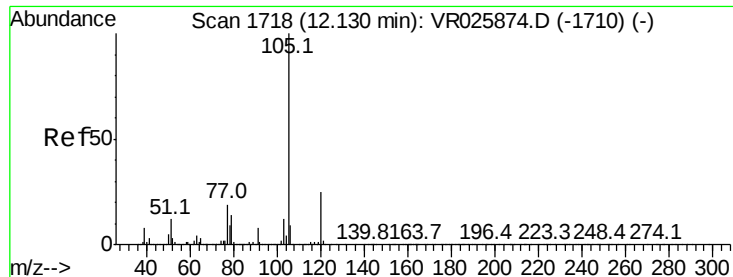
78 51.7 39.3 72.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VR0





#56

Isopropylbenzene

Concen: 12.932 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR025876.D

Acq: 27 Sep 2018 14:41

Instrument :

MSVOA_R

ClientSampleId :

VSTD02092

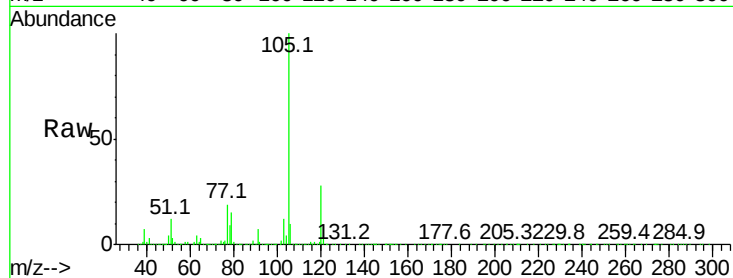
Tgt Ion:105 Resp: 3848875

Ion Ratio Lower Upper

105 100

120 26.7 19.8 29.8

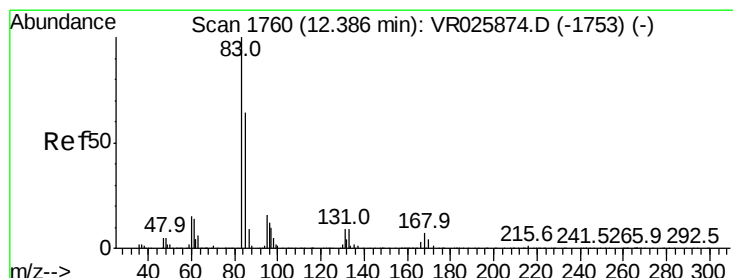
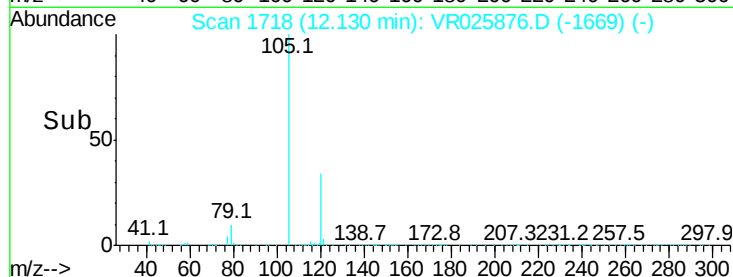
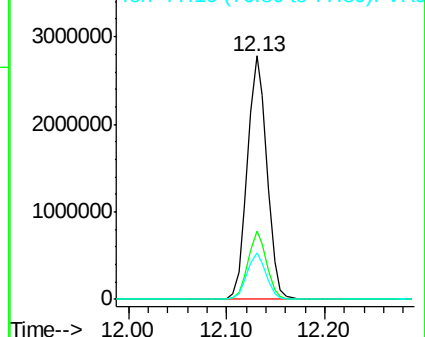
77 18.5 15.5 23.3



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: 12.178 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. -0.00 min

Lab File: VR025876.D

Acq: 27 Sep 2018 14:41

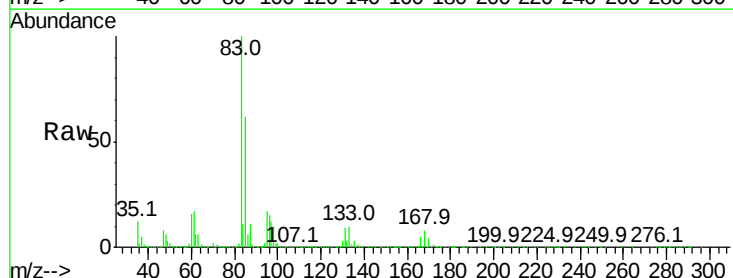
Tgt Ion: 83 Resp: 306811

Ion Ratio Lower Upper

83 100

85 62.4 45.8 85.0

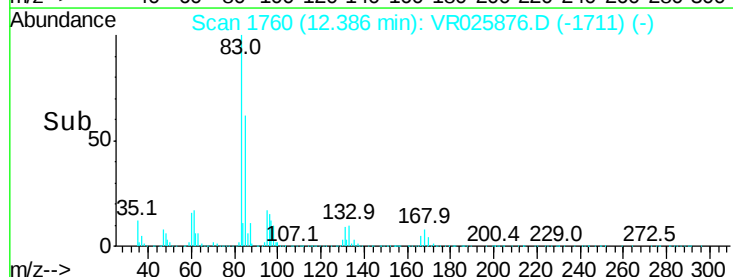
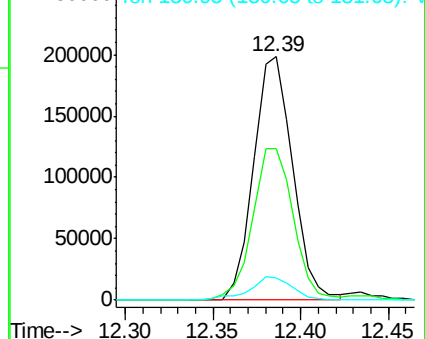
131 9.2 6.6 9.8

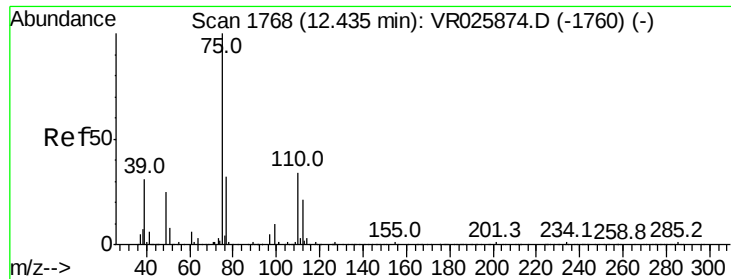


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 11.252 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VR025876.D

Acq: 27 Sep 2018 14:41

Instrument :

MSVOA_R

ClientSampleId :

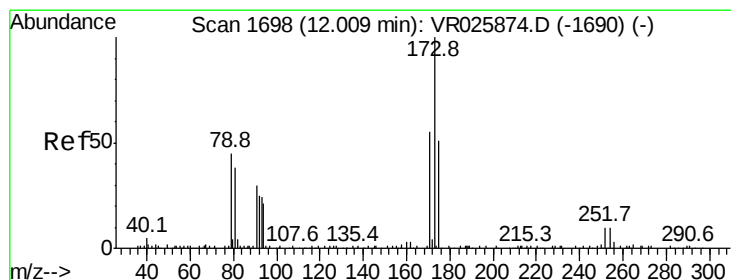
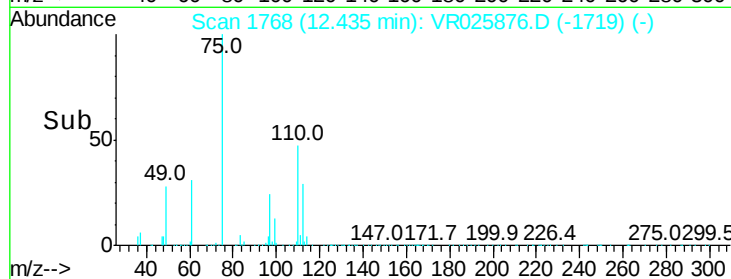
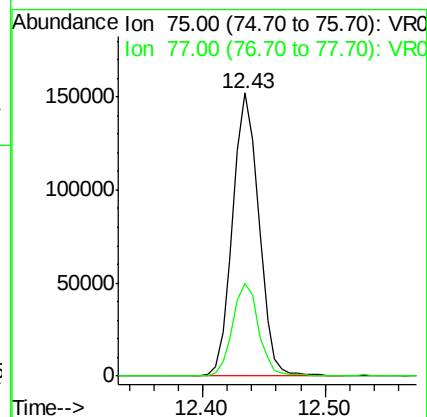
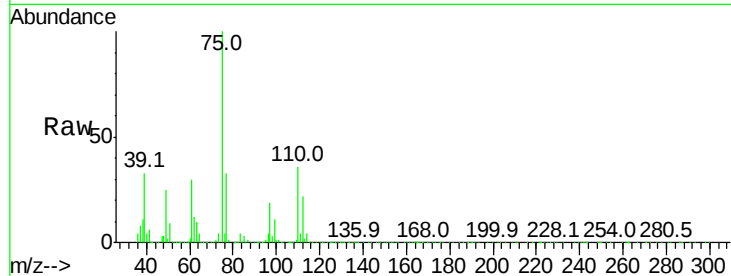
VSTD02092

Tgt Ion: 75 Resp: 225041

Ion Ratio Lower Upper

75 100

77 32.9 25.8 38.6



#61

Bromoform

Concen: 15.191 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VR025876.D

Acq: 27 Sep 2018 14:41

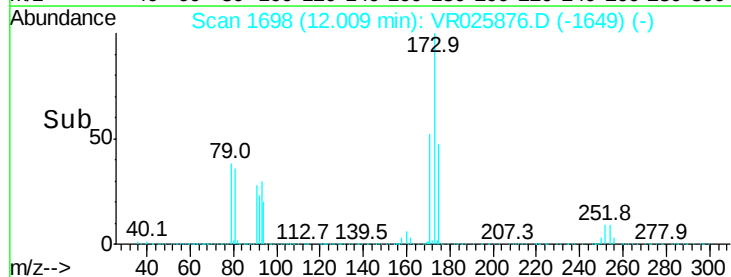
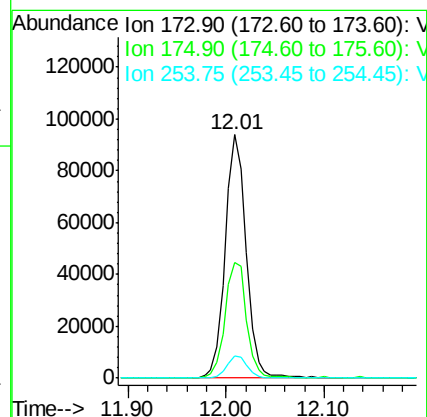
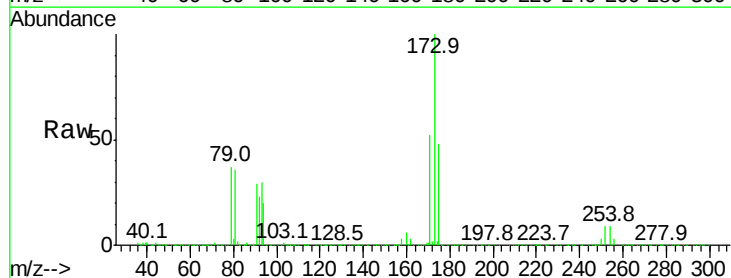
Tgt Ion: 173 Resp: 139193

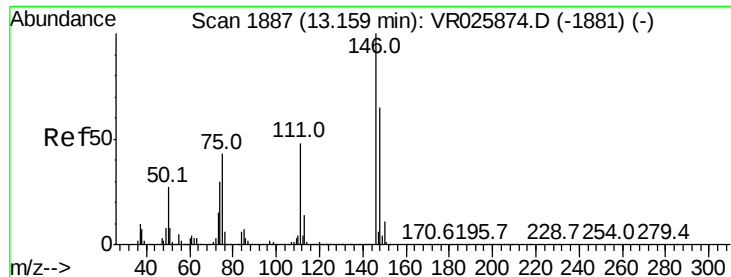
Ion Ratio Lower Upper

173 100

175 49.3 36.9 55.3

254 9.0 6.6 10.0





#62

1,3-Dichlorobenzene

Concen: 12.921 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. 0.01 min

Lab File: VR025876.D

Acq: 27 Sep 2018 14:41

Instrument :

MSVOA_R

ClientSampled :

VSTD02092

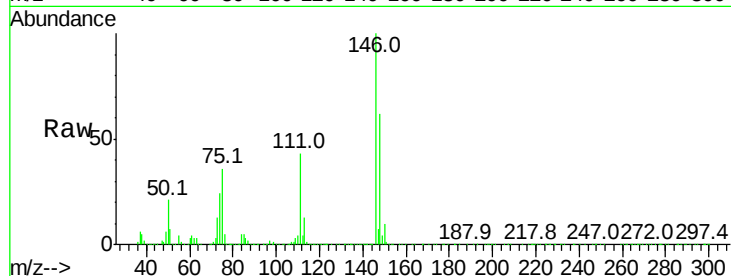
Tgt Ion:146 Resp: 1174063

Ion Ratio Lower Upper

146 100

111 43.3 36.6 68.0

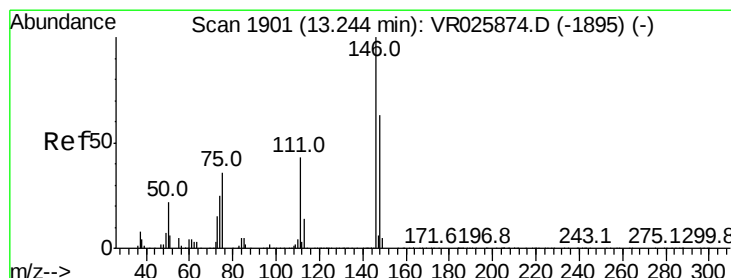
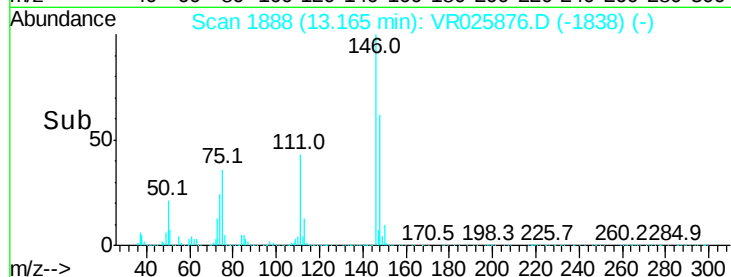
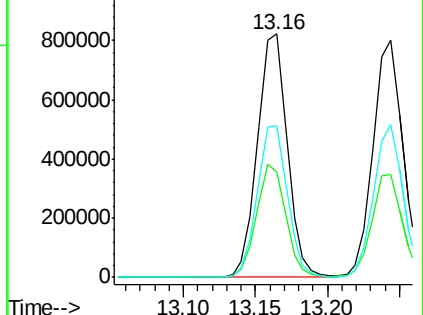
148 62.0 41.9 77.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 13.070 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VR025876.D

Acq: 27 Sep 2018 14:41

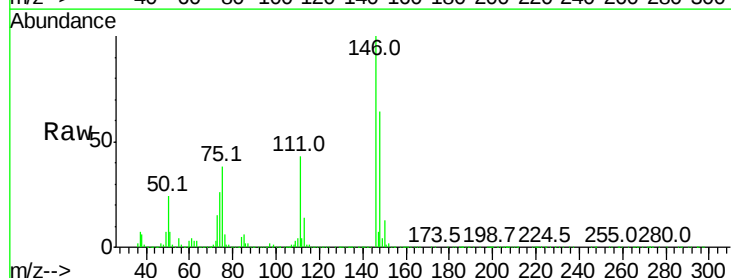
Tgt Ion:146 Resp: 1146192

Ion Ratio Lower Upper

146 100

111 43.2 32.9 61.1

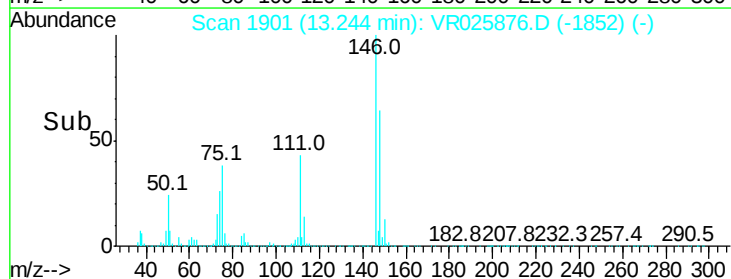
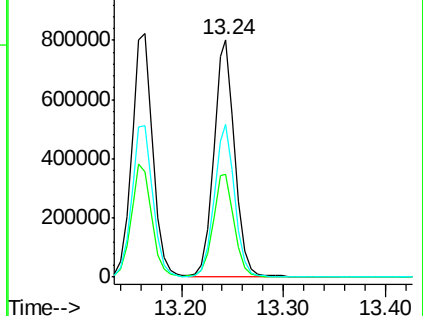
148 64.5 45.5 84.5

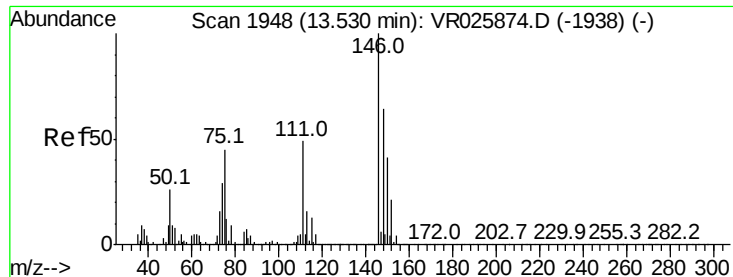


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

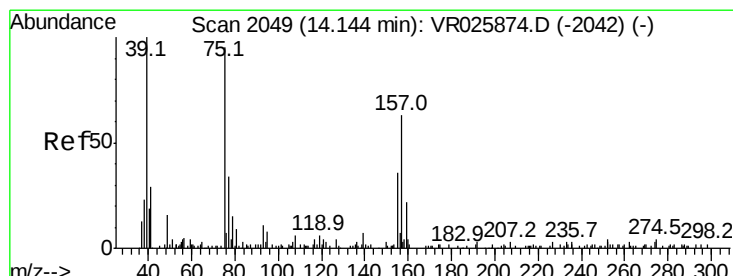
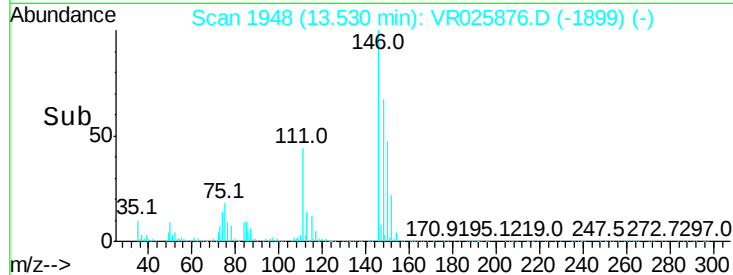
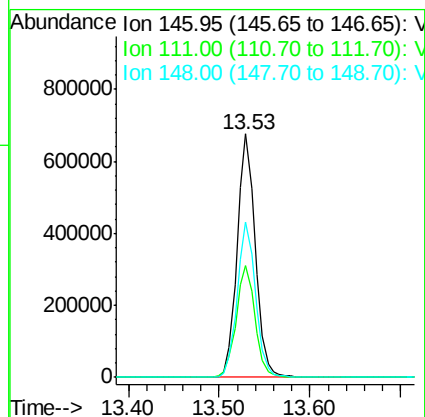
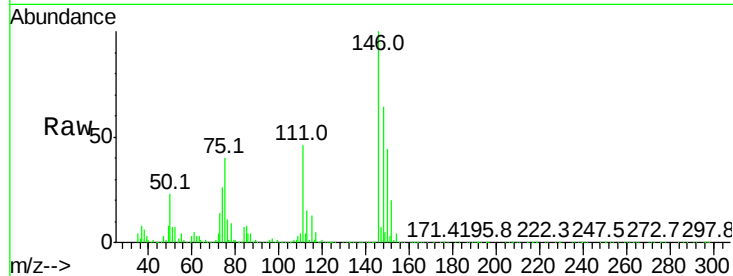




#65
 1,2-Dichlorobenzene
 Concen: 13.514 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. 0.00 min
 Lab File: VR025876.D
 Acq: 27 Sep 2018 14:41

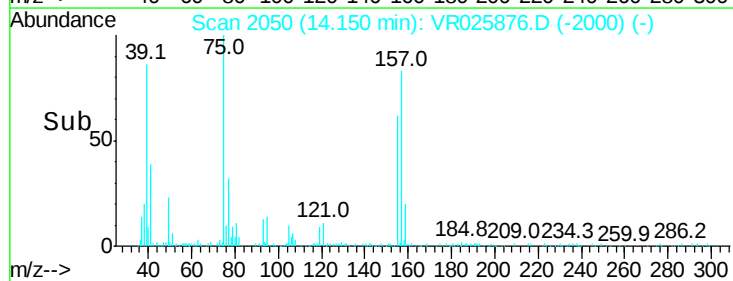
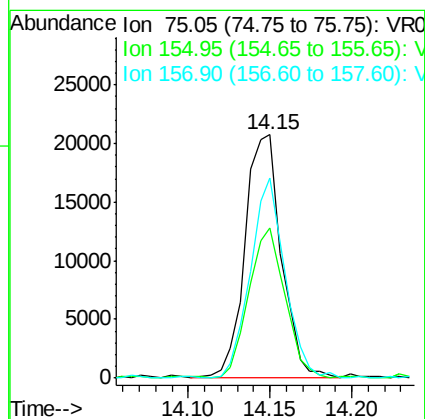
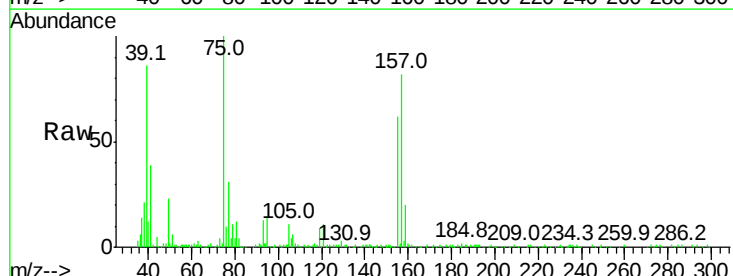
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02092

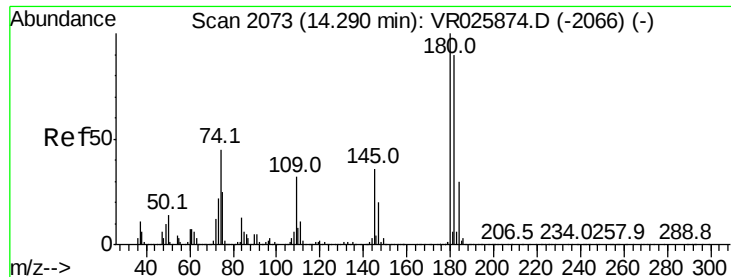
Tgt Ion: 146 Resp: 934874
 Ion Ratio Lower Upper
 146 100
 111 45.8 39.4 59.0
 148 63.8 53.5 80.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 10.234 ug/L
 RT: 14.15 min Scan# 2050
 Delta R.T. 0.01 min
 Lab File: VR025876.D
 Acq: 27 Sep 2018 14:41

Tgt Ion: 75 Resp: 32368
 Ion Ratio Lower Upper
 75 100
 155 61.7 37.8 56.6#
 157 82.0 49.7 74.5#

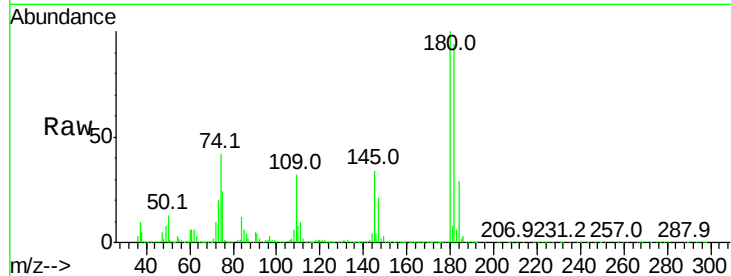




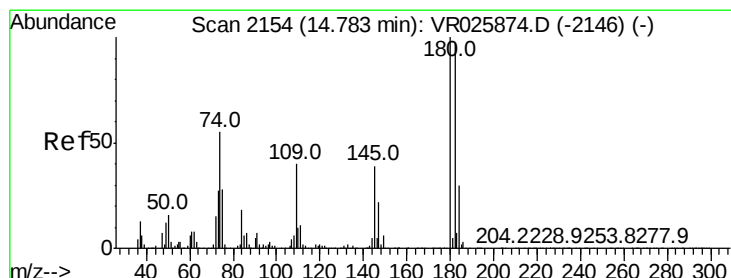
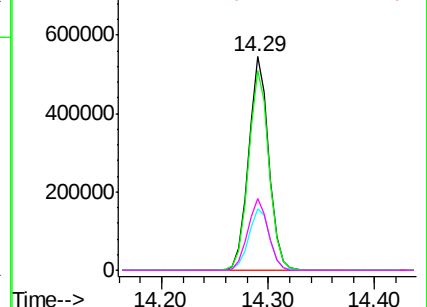
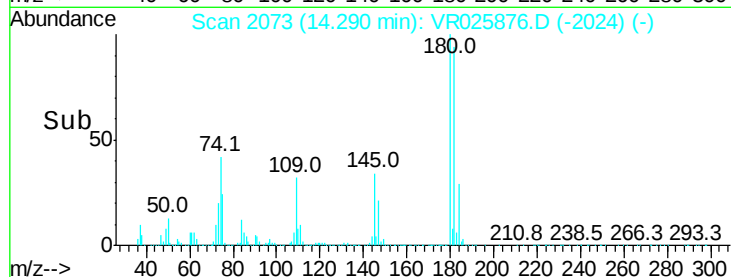
#67
 1,3,5-Trichlorobenzene
 Concen: 14.100 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR025876.D
 Acq: 27 Sep 2018 14:41

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02092

Tgt Ion:	180	Resp:	722712
Ion Ratio	Lower	Upper	
180	100		
182	94.3	77.2	115.8
184	29.7	24.5	36.7
145	34.2	31.1	46.7

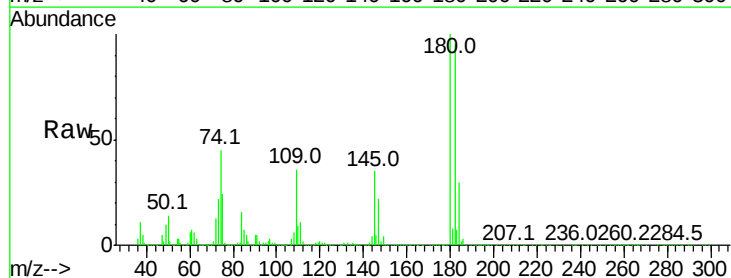


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

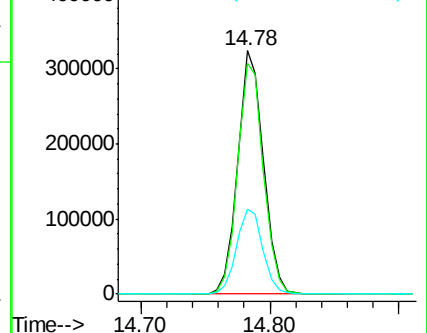
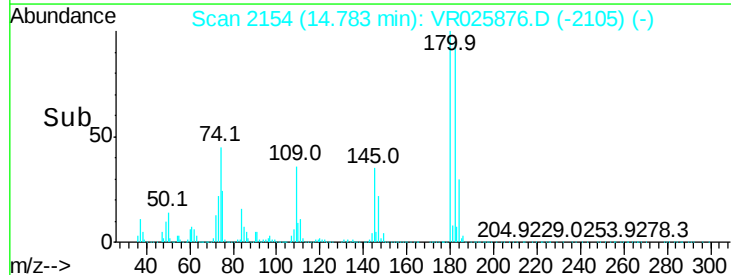


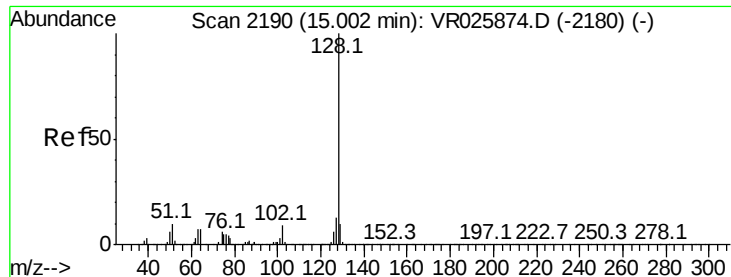
#68
 1,2,4-trichlorobenzene
 Concen: 13.808 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VR025876.D
 Acq: 27 Sep 2018 14:41

Tgt Ion:	180	Resp:	450293
Ion Ratio	Lower	Upper	
180	100		
182	95.2	75.2	112.8
145	35.6	30.5	45.7



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: 12.865 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR025876.D

Acq: 27 Sep 2018 14:41

Instrument :

MSVOA_R

ClientSampleId :

VSTD02092

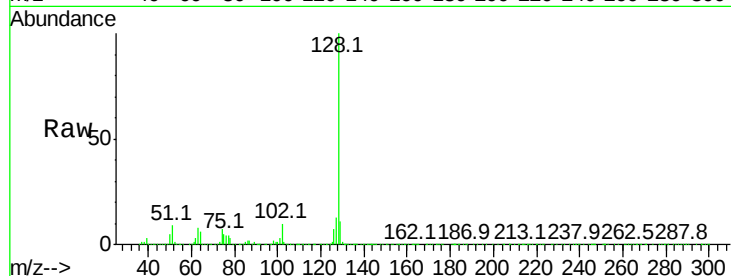
Tgt Ion:128 Resp: 610594

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

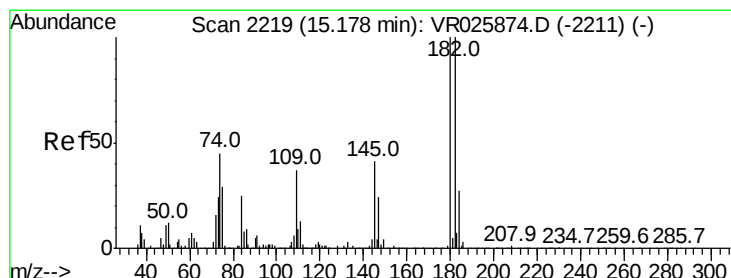
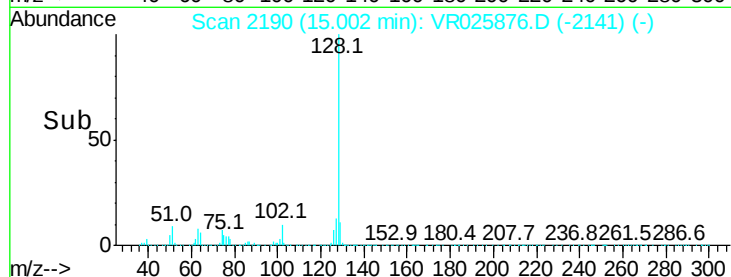
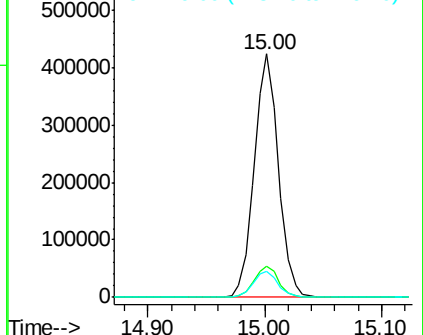
129 10.9 9.4 14.2



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: 13.187 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VR025876.D

Acq: 27 Sep 2018 14:41

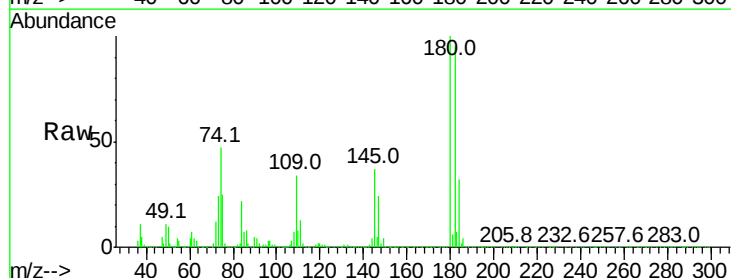
Tgt Ion:180 Resp: 305500

Ion Ratio Lower Upper

180 100

182 94.9 74.7 112.1

145 37.7 31.3 46.9



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

