

Data File : VR026073.D
Acq On : 15 Oct 2018 14:26
Operator : SY/MD
Sample : VSTD00583
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00583

Quant Time: Oct 15 15:01:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Oct 15 14:09:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	616603	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	540761	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	199623	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	265340	5.46	ug/L	0.00
7) Chloroethane-d5	2.63	69	226454	5.70	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.61	63	666364	5.84	ug/L	0.00
20) 2-Butanone-d5	6.59	46	228636	42.18	ug/L	0.00
24) Chloroform-d	7.20	84	433330	5.12	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.90	65	180278	4.95	ug/L	0.00
32) Benzene-d6	7.85	84	848412	4.71	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	224777	4.63	ug/L	0.00
41) Toluene-d8	9.97	98	828907	4.90	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	57370	5.21	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	186799	44.49	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	91975	4.67	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.51	152	156413	4.89	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	210588	5.619 ug/L	96
3) Chloromethane	2.01	50	335263	6.291 ug/L	100
5) Vinyl chloride	2.17	62	332431	6.267 ug/L	99
6) Bromomethane	2.53	94	213336	6.442 ug/L	95
8) Chloroethane	2.66	64	206549	6.844 ug/L	98
9) Trichlorofluoromethane	2.93	101	220015	2.987 ug/L	# 17
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	278870	6.194 ug/L	95
12) 1,1-Dichloroethene	3.63	96	309052	6.640 ug/L	90
13) Acetone	3.70	43	240984	61.336 ug/L	96
14) Carbon disulfide	3.93	76	833165	7.394 ug/L	98
15) Methyl Acetate	4.19	43	59379	5.451 ug/L	98
16) Methylene chloride	4.40	84	273848	6.398 ug/L	95
17) Methyl tert-butyl Ether	4.89	73	277610	5.386 ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	231249	6.007 ug/L	87
19) 1,1-Dichloroethane	5.69	63	430623	5.650 ug/L	99
21) 2-Butanone	6.69	43	275799	51.036 ug/L	99
22) cis-1,2-Dichloroethene	6.68	96	226928	5.858 ug/L	# 92
23) Bromochloromethane	7.05	128	60464	5.754 ug/L	83
25) Chloroform	7.23	83	432610	5.829 ug/L	99
27) 1,2-Dichloroethane	7.99	62	210750	5.691 ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	374136	6.153 ug/L	99
30) Cyclohexane	7.52	56	381520	5.021 ug/L	97
31) Carbon tetrachloride	7.63	117	337158	6.402 ug/L	98
33) Benzene	7.91	78	1032953	5.695 ug/L	100
34) Trichloroethene	8.71	95	255783	5.352 ug/L	90
35) Methylcyclohexane	8.95	83	391259	5.445 ug/L	95
37) 1,2-Dichloropropane	9.00	63	218779	5.623 ug/L	99
38) Bromodichloromethane	9.28	83	237482	5.657 ug/L	# 98
39) cis-1,3-Dichloropropene	9.72	75	260049	5.961 ug/L	97
40) 4-Methyl-2-pentanone	9.87	43	703620	51.426 ug/L	99

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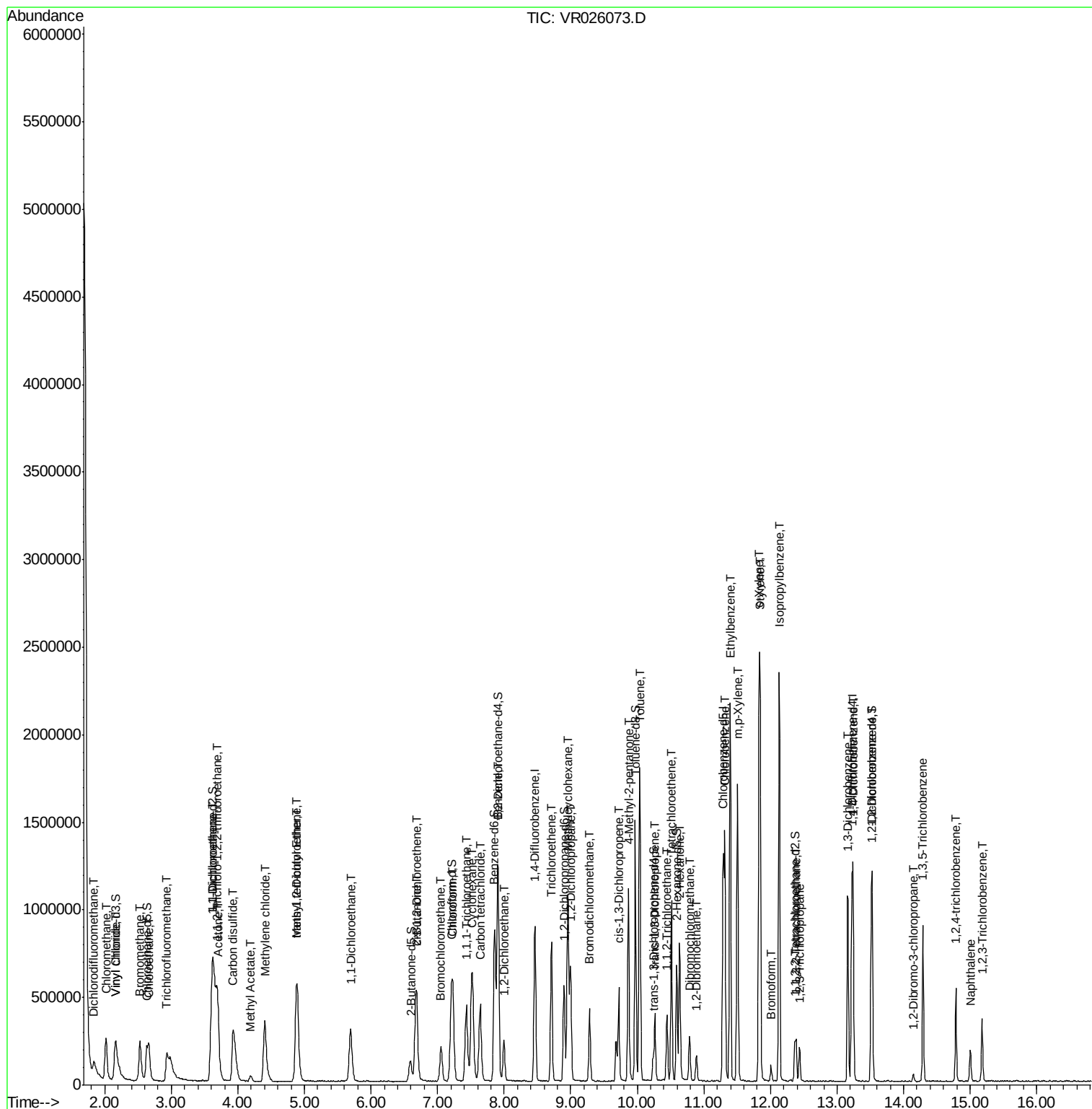
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.04	91	1118976	5.937	ug/L	98
44) trans-1,3-Dichloropropene	10.26	75	180229	6.327	ug/L	97
45) 1,1,2-Trichloroethane	10.45	97	92728	5.269	ug/L	98
47) Tetrachloroethene	10.51	164	177440	6.025	ug/L	90
48) 2-Hexanone	10.63	43	470670	52.542	ug/L	99
49) Dibromochloromethane	10.79	129	106992	5.990	ug/L	98
50) 1,2-Dibromoethane	10.89	107	81302	5.854	ug/L #	93
51) Chlorobenzene	11.32	112	600303	6.005	ug/L	93
52) Ethylbenzene	11.39	91	1281307	5.956	ug/L	98
53) m,p-Xylene	11.50	106	473430	6.182	ug/L	88
54) o-Xylene	11.83	106	435491	6.109	ug/L	93
55) Styrene	11.84	104	678156	6.112	ug/L	91
56) Isopropylbenzene	12.13	105	1211702	6.163	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.39	83	91618	5.403	ug/L #	97
59) 1,2,3-Trichloropropane	12.43	75	67558	5.353	ug/L	99
61) Bromoform	12.01	173	35539	5.889	ug/L #	96
62) 1,3-Dichlorobenzene	13.16	146	337773	5.789	ug/L	94
63) 1,4-Dichlorobenzene	13.24	146	348635	5.841	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	278563	5.943	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.15	75	9108	4.621	ug/L #	81
67) 1,3,5-Trichlorobenzene	14.29	180	194032	5.583	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	116085	5.240	ug/L	98
69) Naphthalene	15.00	128	118164	4.179	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	80077	5.210	ug/L	98

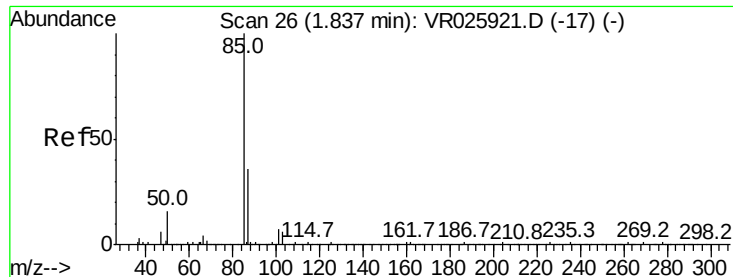
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.619 ug/L

RT: 1.84 min Scan# 26

Delta R.T. -0.00 min

Lab File: VR026073.D

Acq: 15 Oct 2018 14:26

Instrument :

MSVOA_R

ClientSampleId :

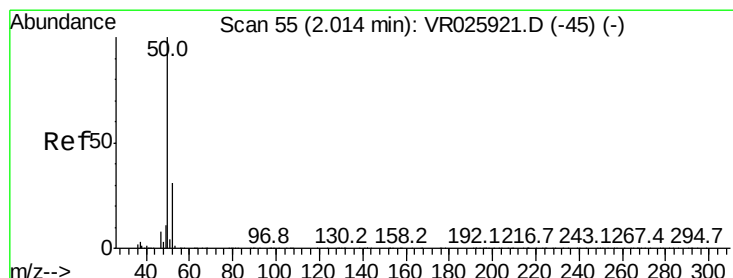
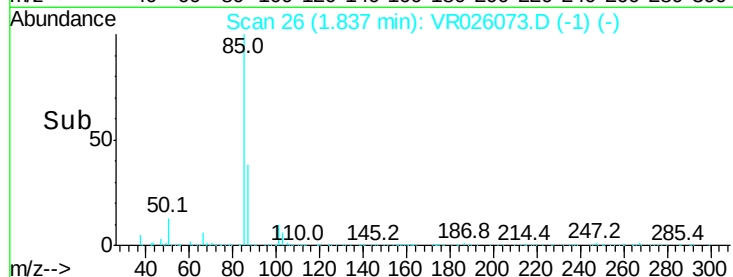
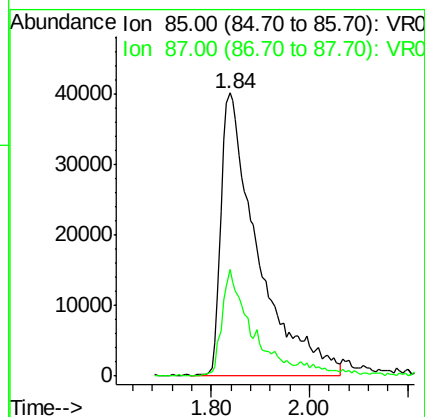
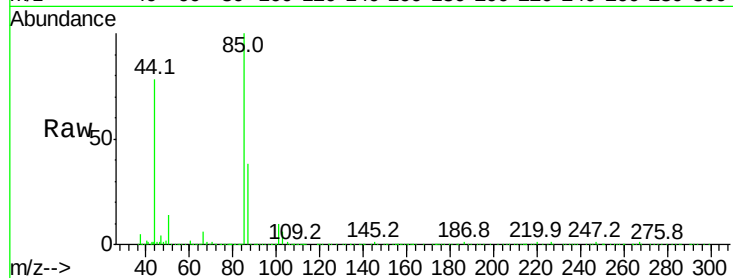
VSTD00583

Tgt Ion: 85 Resp: 210588

Ion Ratio Lower Upper

85 100

87 29.3 25.1 37.7



#3

Chloromethane

Concen: 6.291 ug/L

RT: 2.01 min Scan# 55

Delta R.T. -0.00 min

Lab File: VR026073.D

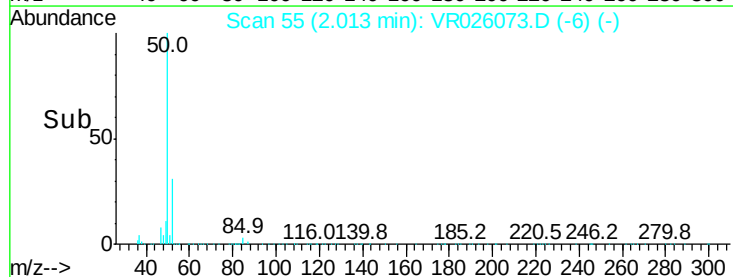
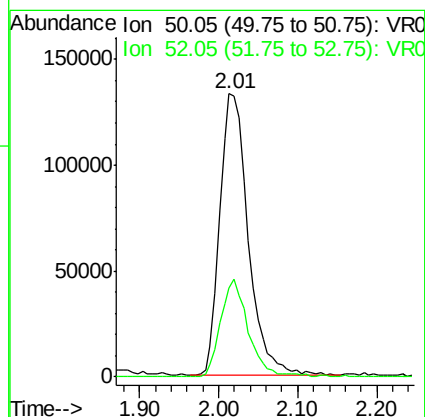
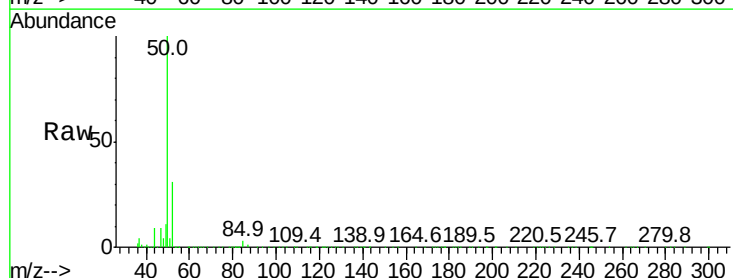
Acq: 15 Oct 2018 14:26

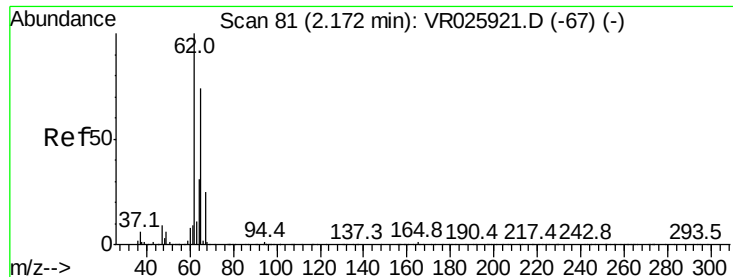
Tgt Ion: 50 Resp: 335263

Ion Ratio Lower Upper

50 100

52 31.4 22.1 41.1





#5

Vinyl chloride

Concen: 6.267 ug/L

RT: 2.17 min Scan# 80

Delta R.T. -0.00 min

Lab File: VR026073.D

Acq: 15 Oct 2018 14:26

Instrument :

MSVOA_R

ClientSampleId :

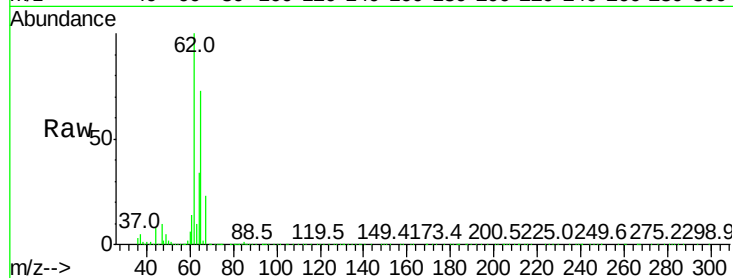
VSTD00583

Tgt Ion: 62 Resp: 332431

Ion Ratio Lower Upper

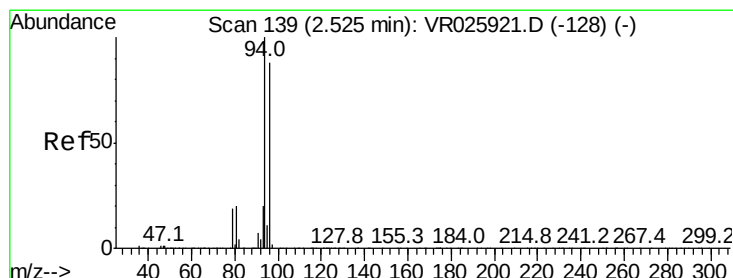
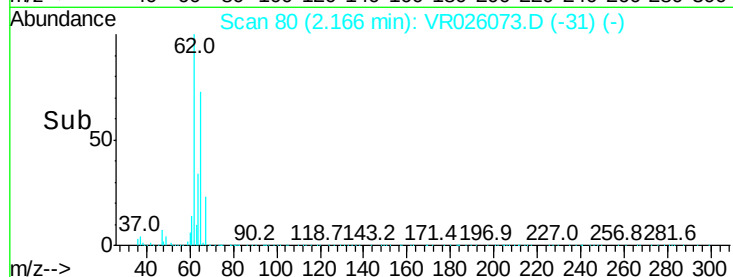
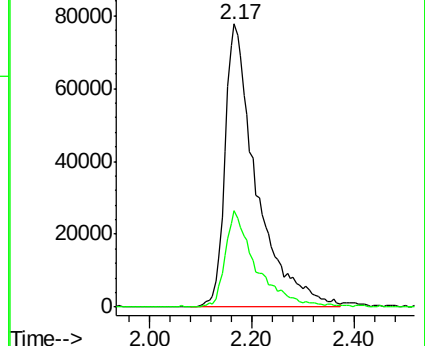
62 100

64 34.1 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0



#6

Bromomethane

Concen: 6.442 ug/L

RT: 2.53 min Scan# 140

Delta R.T. 0.01 min

Lab File: VR026073.D

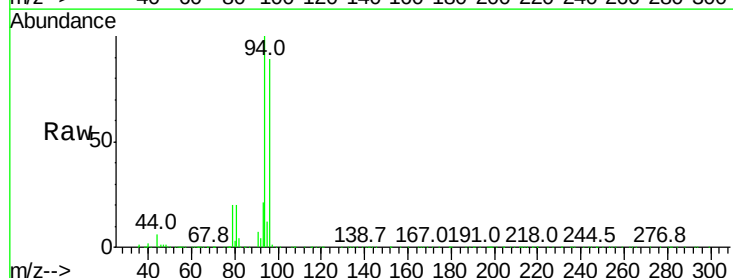
Acq: 15 Oct 2018 14:26

Tgt Ion: 94 Resp: 213336

Ion Ratio Lower Upper

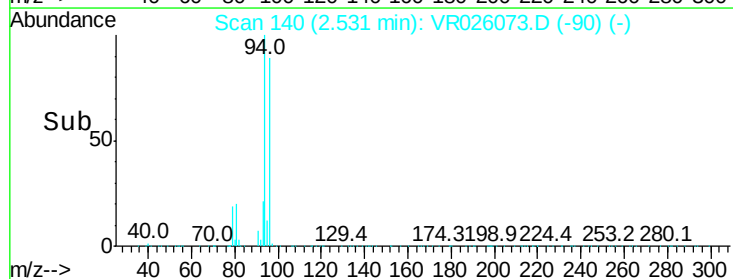
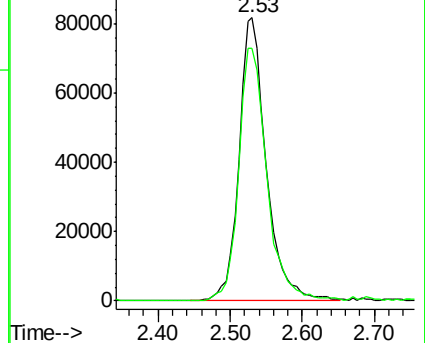
94 100

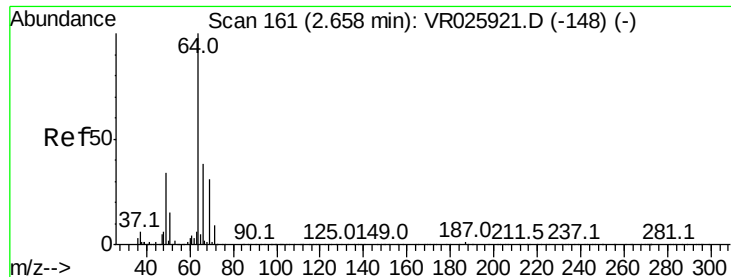
96 89.3 66.1 122.8



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0





#8

Chloroethane

Concen: 6.844 ug/L

RT: 2.66 min Scan# 162

Delta R.T. -0.00 min

Lab File: VR026073.D

Acq: 15 Oct 2018 14:26

Instrument :

MSVOA_R

ClientSampleId :

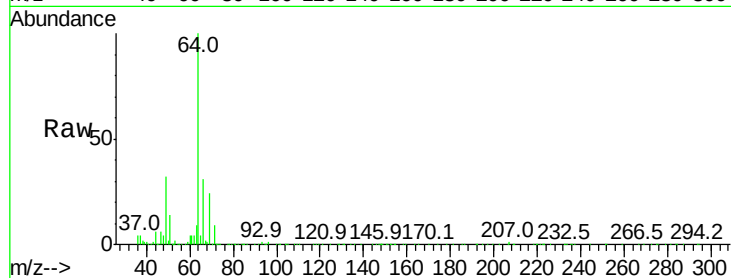
VSTD00583

Tgt Ion: 64 Resp: 206549

Ion Ratio Lower Upper

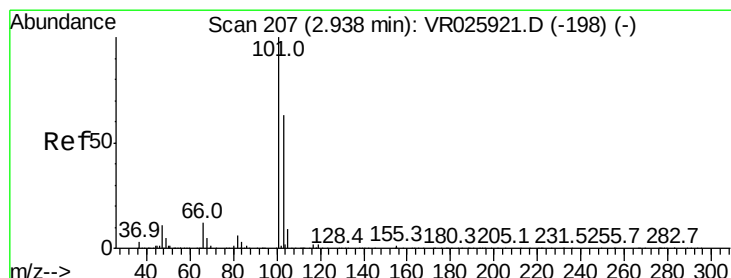
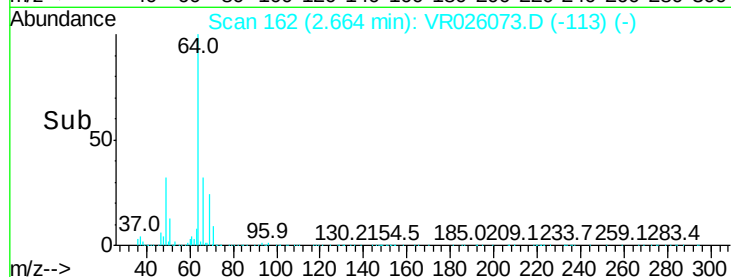
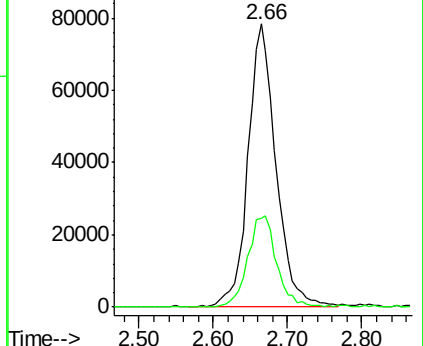
64 100

66 31.4 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: 2.987 ug/L

RT: 2.93 min Scan# 206

Delta R.T. -0.00 min

Lab File: VR026073.D

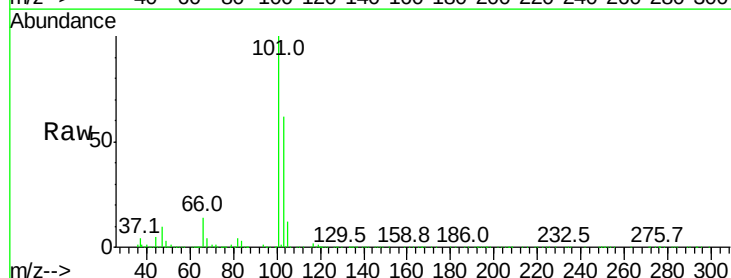
Acq: 15 Oct 2018 14:26

Tgt Ion: 101 Resp: 220015

Ion Ratio Lower Upper

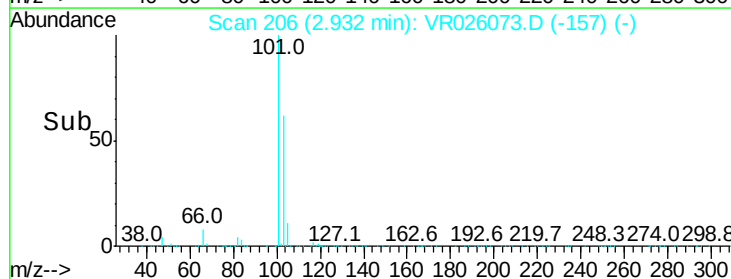
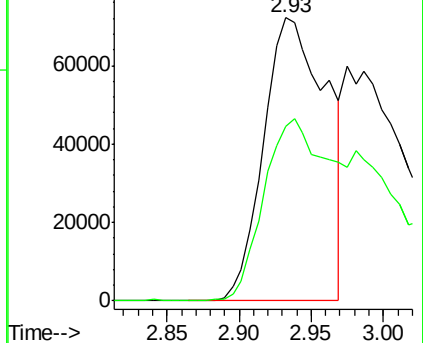
101 100

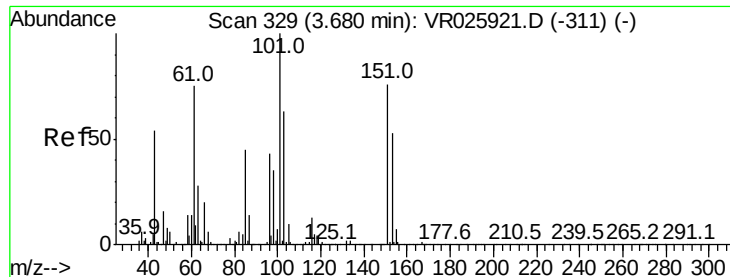
103 70.9 22.1 33.1#



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: 6.194 ug/L

RT: 3.69 min Scan# 331

Delta R.T. 0.01 min

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ClientSampleId :

VSTD00583

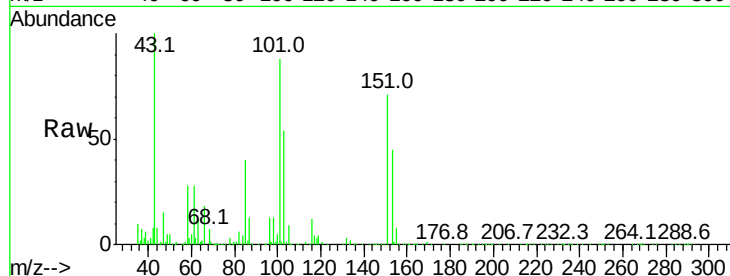
Tgt Ion: 101 Resp: 278870

Ion Ratio Lower Upper

101 100

85 47.3 38.2 57.4

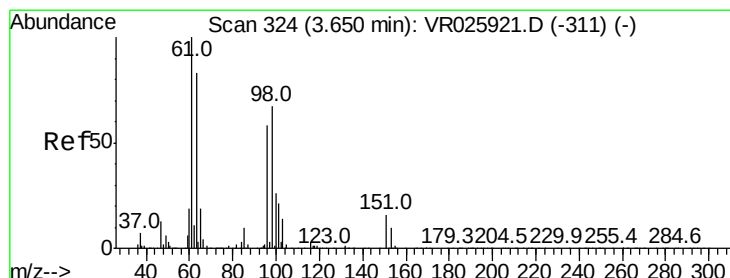
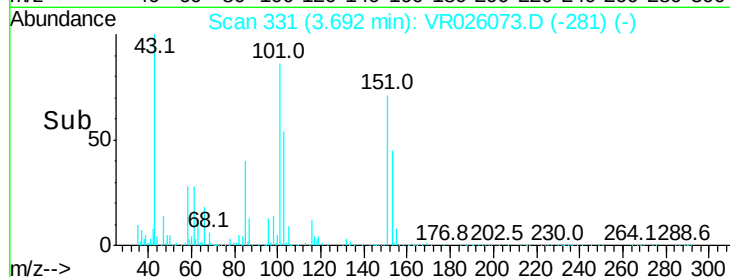
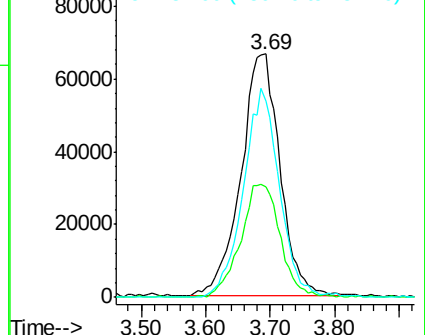
151 79.0 58.4 87.6



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: 6.640 ug/L

RT: 3.63 min Scan# 320

Delta R.T. -0.00 min

Lab File: VR026073.D

Acq: 15 Oct 2018 14:26

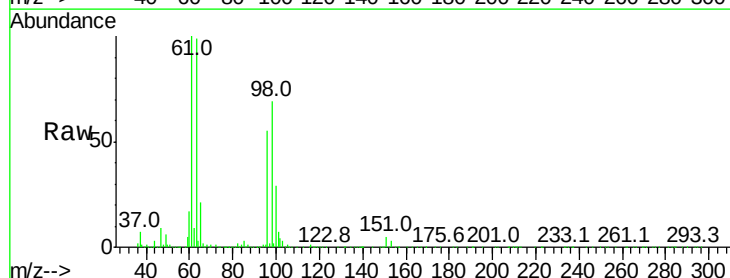
Tgt Ion: 96 Resp: 309052

Ion Ratio Lower Upper

96 100

61 181.0 145.0 269.4

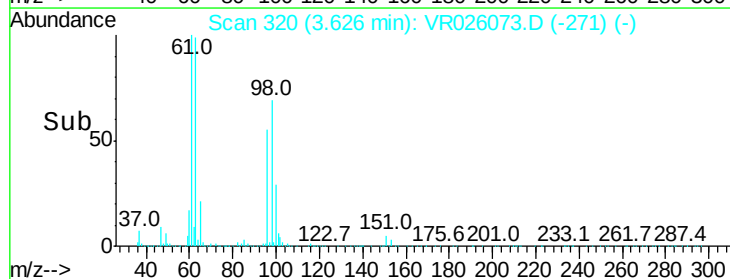
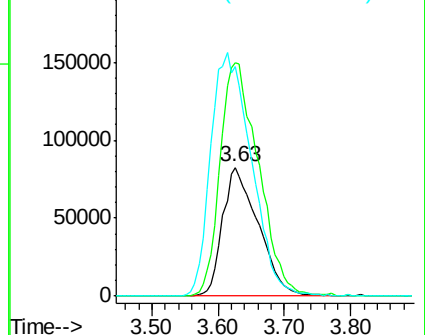
63 178.6 123.8 230.0

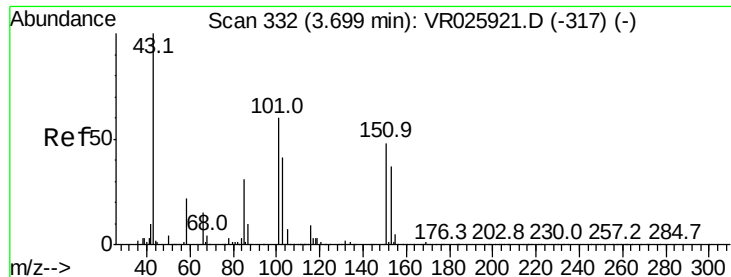


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 61.336 ug/L

RT: 3.70 min Scan# 333

Delta R.T. 0.01 min

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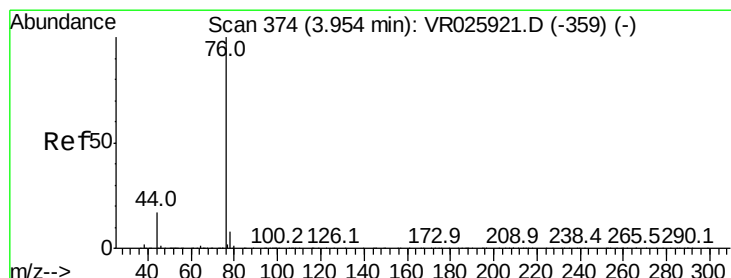
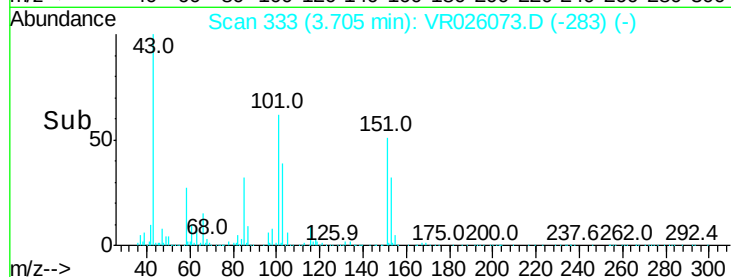
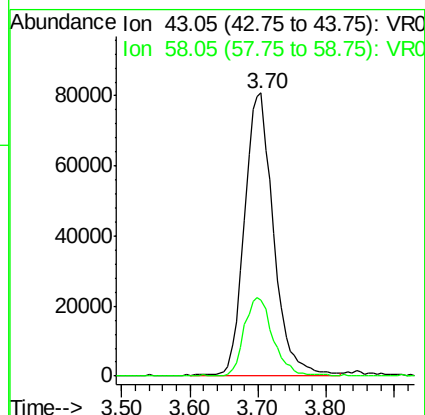
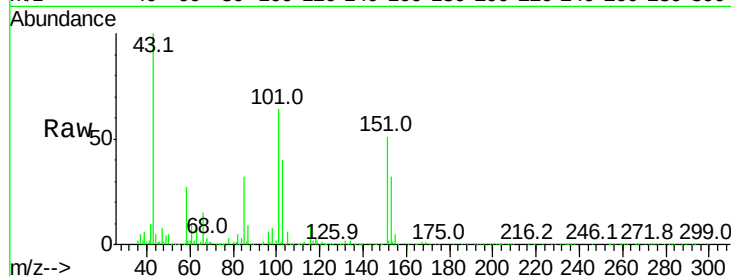
VSTD00583

Tgt Ion: 43 Resp: 240984

Ion Ratio Lower Upper

43 100

58 27.7 0.0 51.4



#14

Carbon disulfide

Concen: 7.394 ug/L

RT: 3.93 min Scan# 370

Delta R.T. -0.00 min

Lab File: VR026073.D

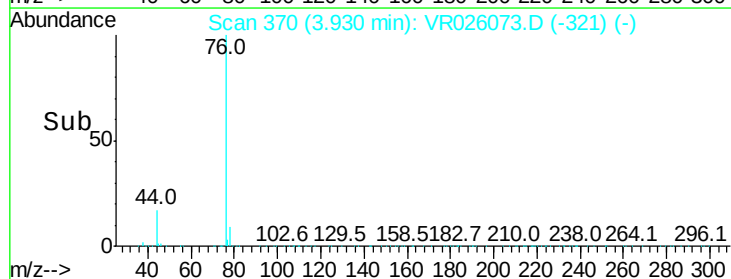
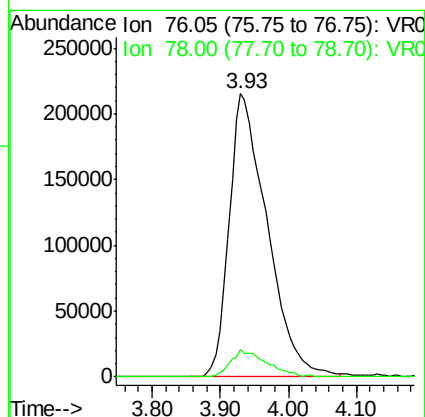
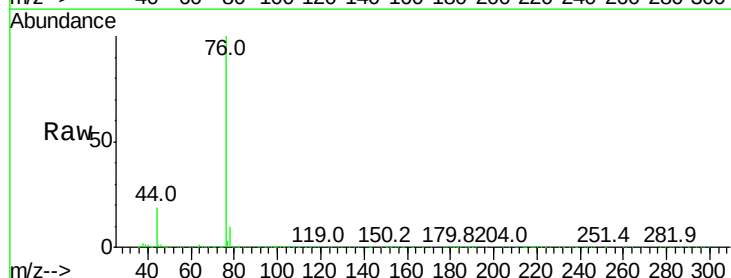
Acq: 15 Oct 2018 14:26

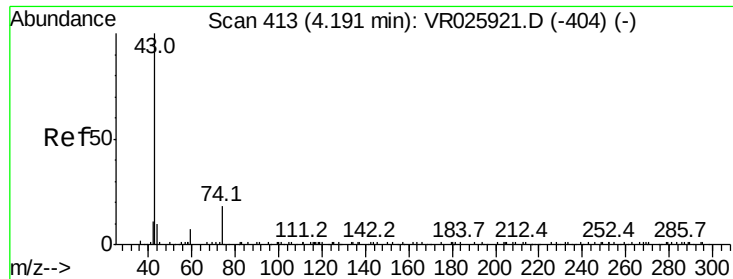
Tgt Ion: 76 Resp: 833165

Ion Ratio Lower Upper

76 100

78 9.5 7.0 10.6

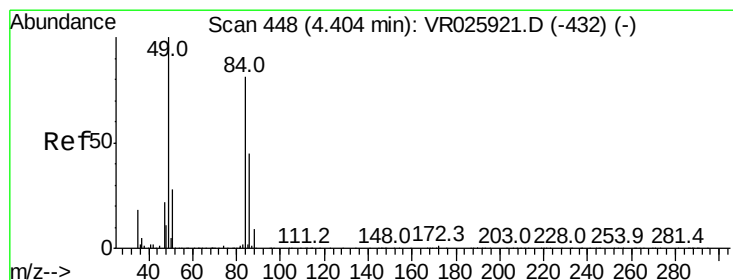
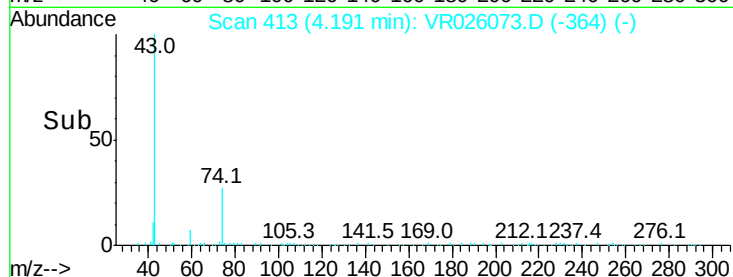
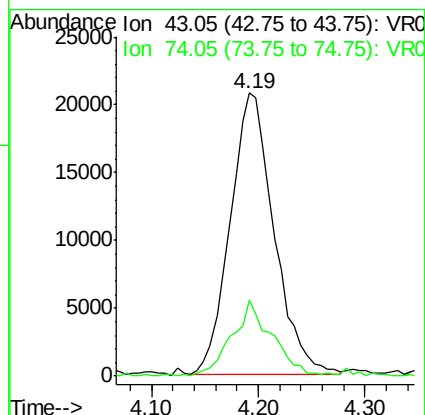
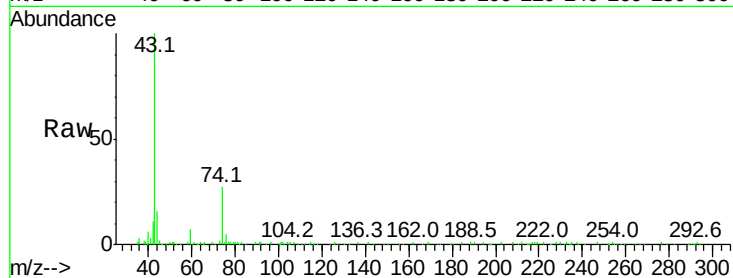




#15
Methyl Acetate
Concen: 5.451 ug/L
RT: 4.19 min Scan# 413
Delta R.T. -0.00 min
Lab File: VR026073.D
Acq: 15 Oct 2018 14:26

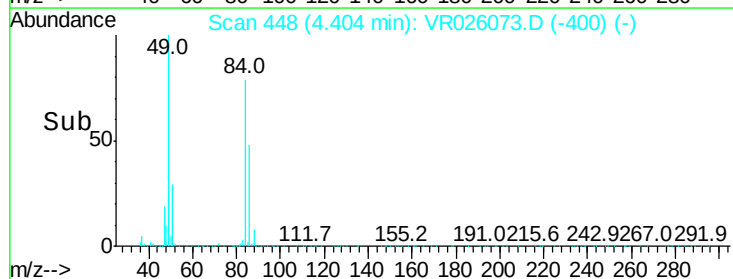
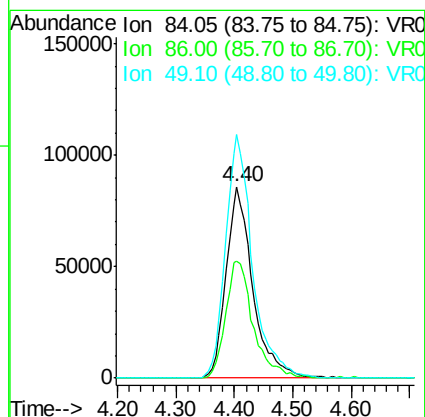
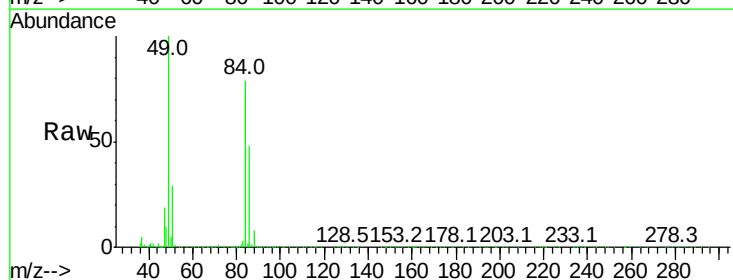
Instrument :
MSVOA_R
ClientSampleId :
VSTD00583

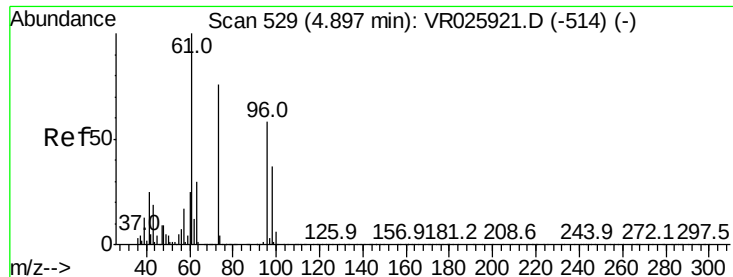
Tgt Ion: 43 Resp: 59379
Ion Ratio Lower Upper
43 100
74 24.8 19.0 28.4



#16
Methylene chloride
Concen: 6.398 ug/L
RT: 4.40 min Scan# 448
Delta R.T. -0.01 min
Lab File: VR026073.D
Acq: 15 Oct 2018 14:26

Tgt Ion: 84 Resp: 273848
Ion Ratio Lower Upper
84 100
86 61.4 43.1 80.1
49 127.3 95.5 177.3





#17

Methyl tert-butyl Ether

Concen: 5.386 ug/L

RT: 4.89 min Scan# 528

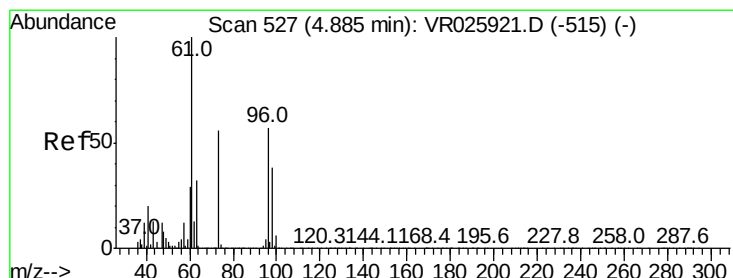
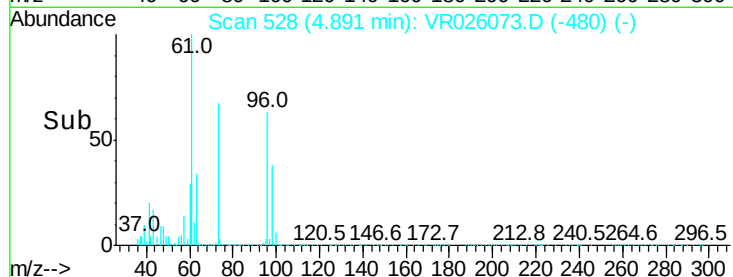
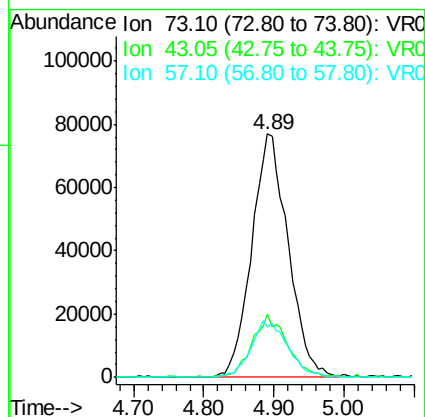
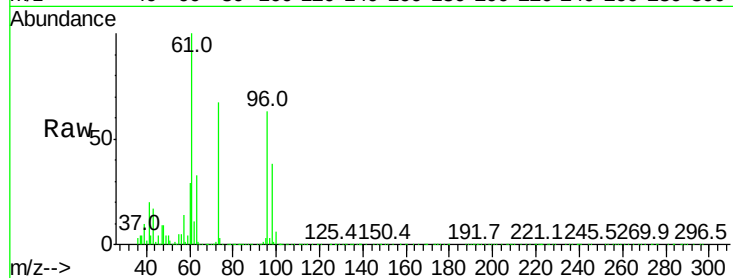
Delta R.T. -0.01 min

Lab File: VR026073.D

Acq: 15 Oct 2018 14:26

Instrument :
MSVOA_R
ClientSampleId :
VSTD00583

Tgt Ion:	73	Resp:	277610
Ion	Ratio	Lower	Upper
73	100		
43	25.1	19.8	29.8
57	23.7	17.9	26.9



#18

trans-1,2-Dichloroethene

Concen: 6.007 ug/L

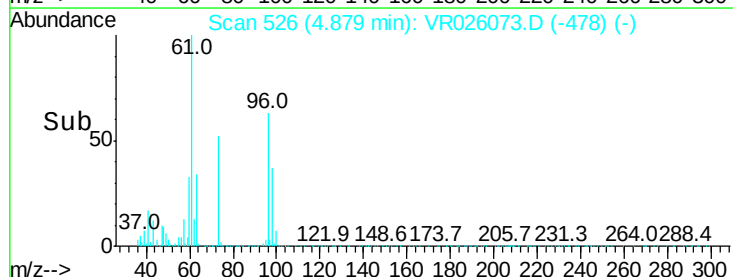
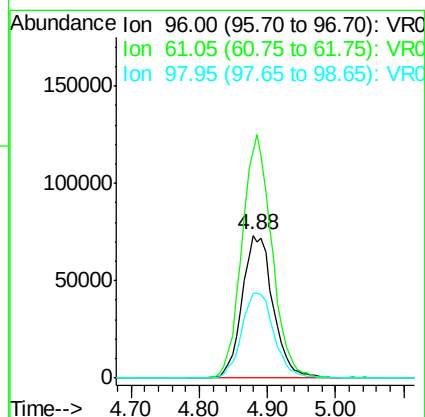
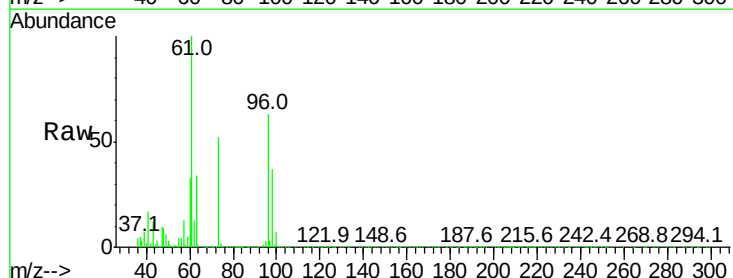
RT: 4.88 min Scan# 526

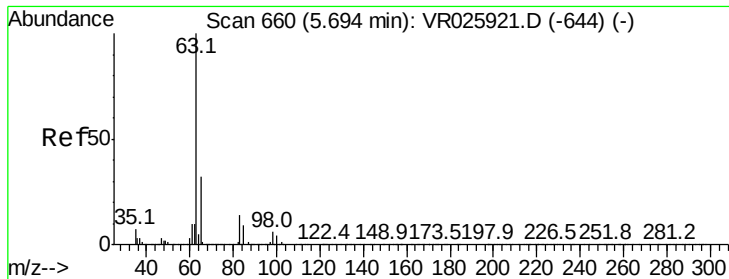
Delta R.T. -0.01 min

Lab File: VR026073.D

Acq: 15 Oct 2018 14:26

Tgt Ion:	96	Resp:	231249
Ion	Ratio	Lower	Upper
96	100		
61	159.1	127.4	236.6
98	59.2	43.8	81.3

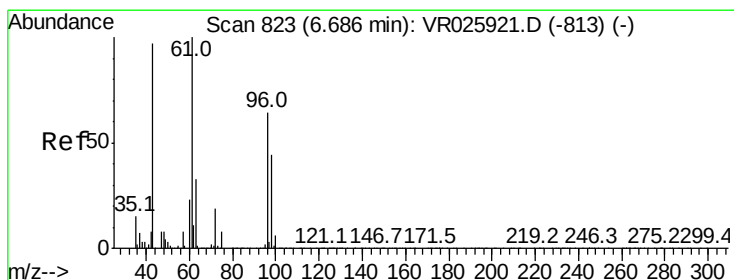
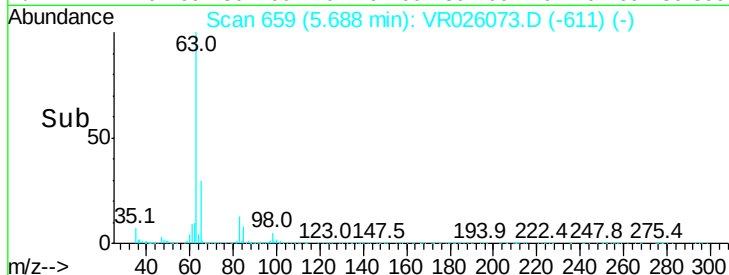
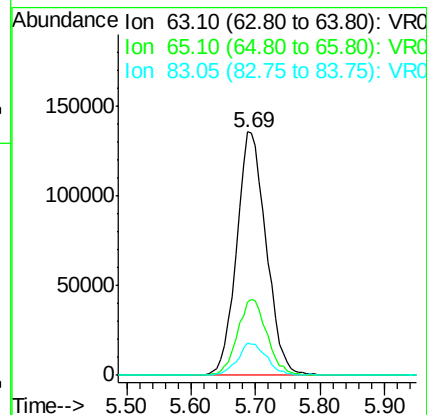
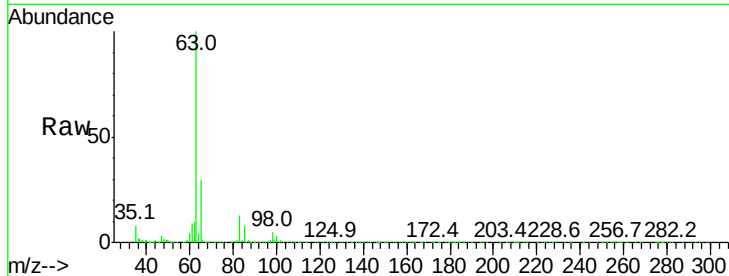




#19
 1,1-Dichloroethane
 Concen: 5.650 ug/L
 RT: 5.69 min Scan# 659
 Delta R.T. -0.01 min
 Lab File: VR026073.D
 Acq: 15 Oct 2018 14:26

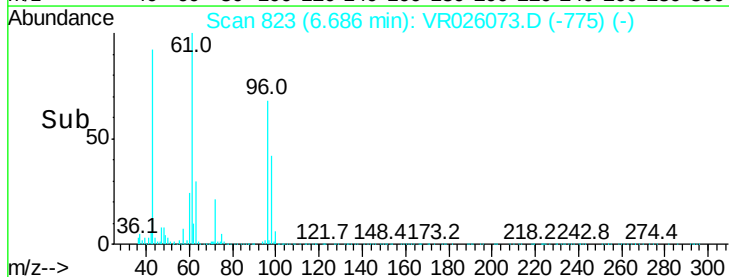
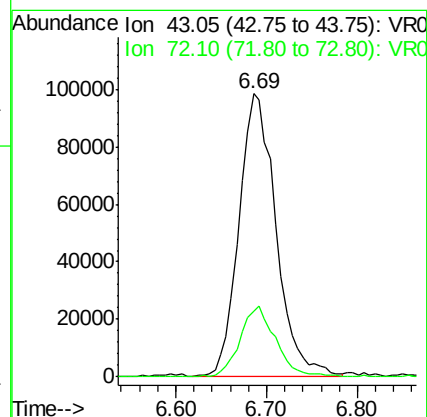
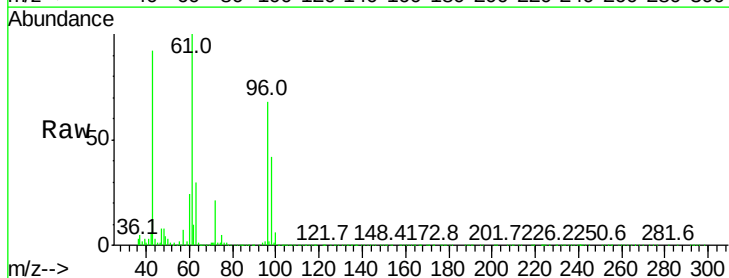
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00583

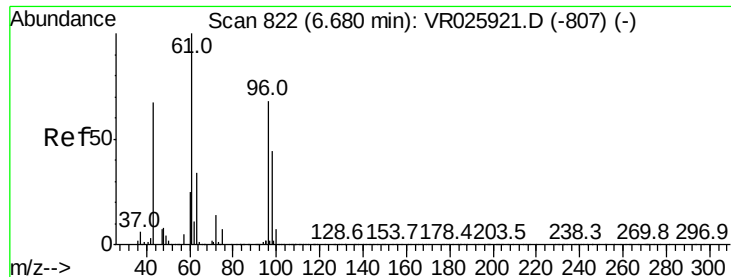
Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.3	21.1	39.1
83	13.2	8.9	16.5



#21
 2-Butanone
 Concen: 51.036 ug/L
 RT: 6.69 min Scan# 823
 Delta R.T. -0.01 min
 Lab File: VR026073.D
 Acq: 15 Oct 2018 14:26

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.5	11.9	35.7



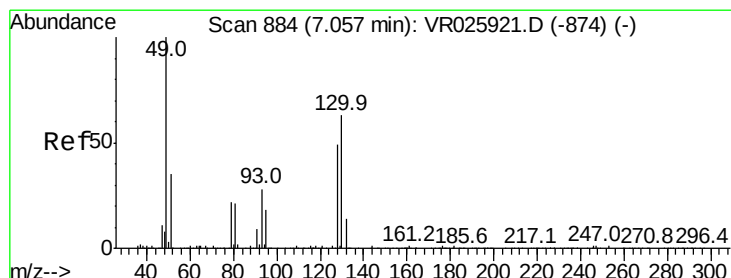
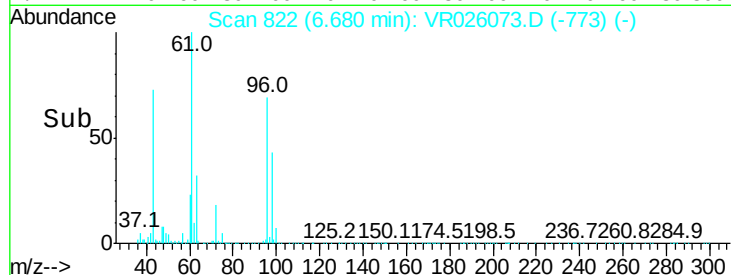
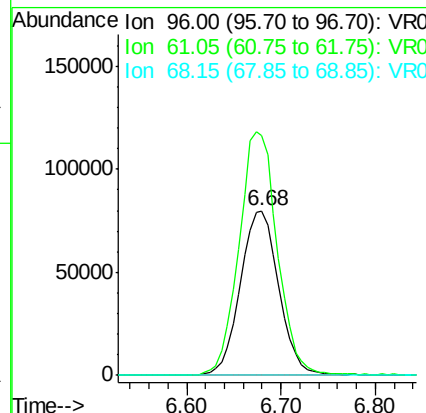
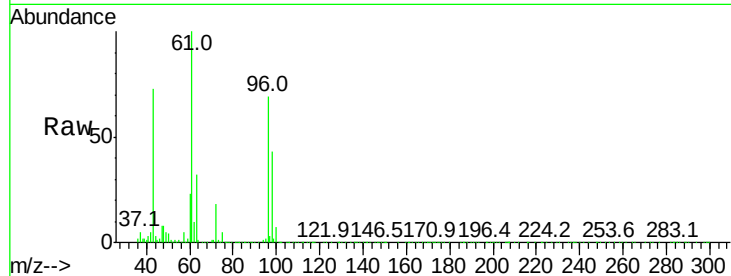


#22

cis-1,2-Dichloroethene
Concen: 5.858 ug/L
RT: 6.68 min Scan# 822
Delta R.T. -0.00 min
Lab File: VR026073.D
Acq: 15 Oct 2018 14:26

Instrument :
MSVOA_R
ClientSampleId :
VSTD00583

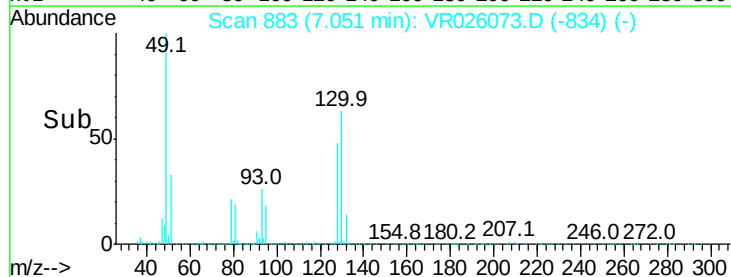
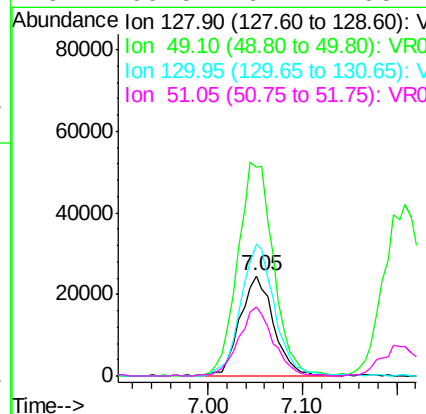
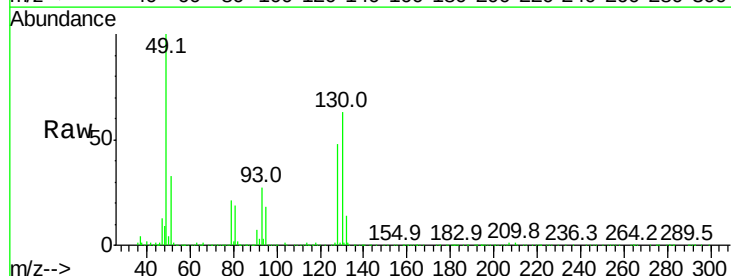
Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.4	108.7	201.9
68	0.2	0.1	0.1#

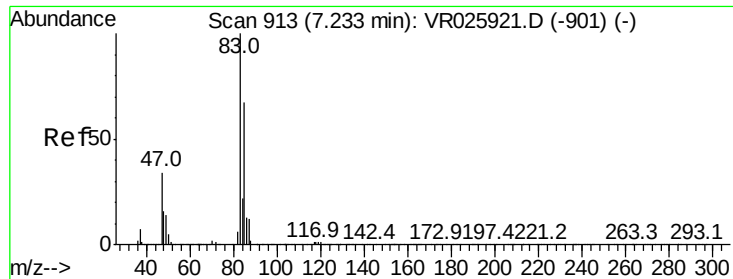


#23

Bromochloromethane
Concen: 5.754 ug/L
RT: 7.05 min Scan# 883
Delta R.T. -0.00 min
Lab File: VR026073.D
Acq: 15 Oct 2018 14:26

Tgt Ion	Ratio	Lower	Upper
128	100		
49	208.8	175.0	325.0
130	132.1	85.6	159.0
51	69.5	62.2	93.2

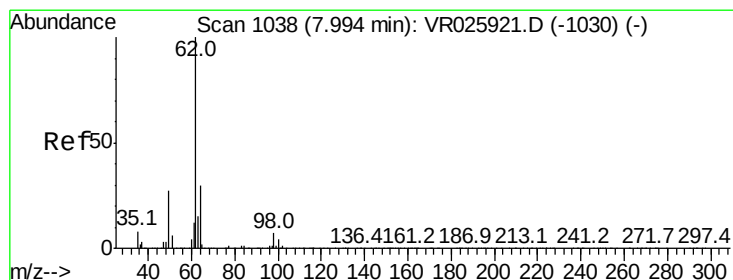
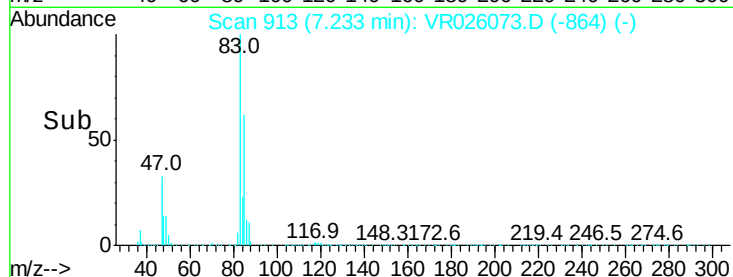
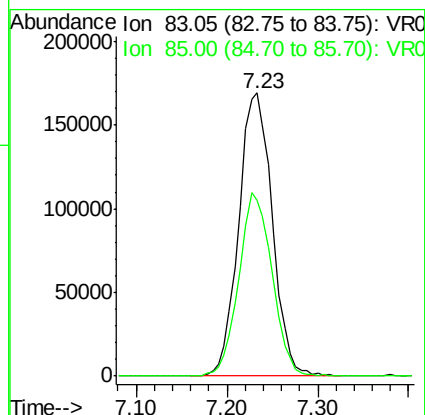
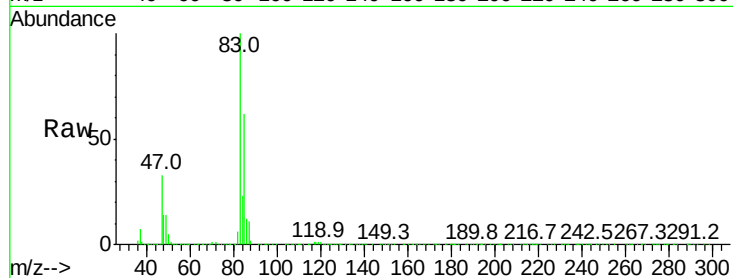




#25
Chloroform
Concen: 5.829 ug/L
RT: 7.23 min Scan# 913
Delta R.T. -0.00 min
Lab File: VR026073.D
Acq: 15 Oct 2018 14:26

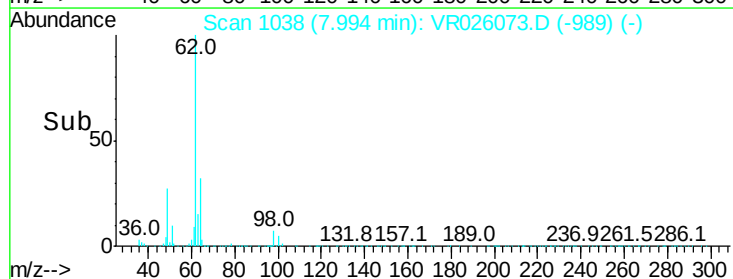
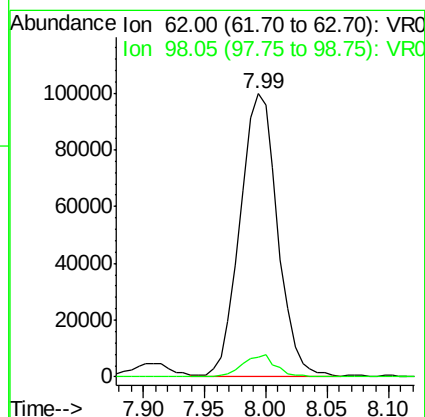
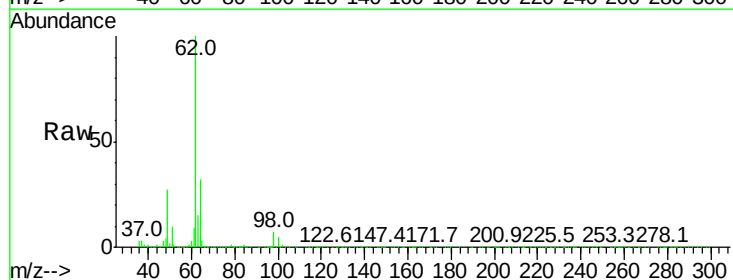
Instrument :
MSVOA_R
ClientSampleId :
VSTD00583

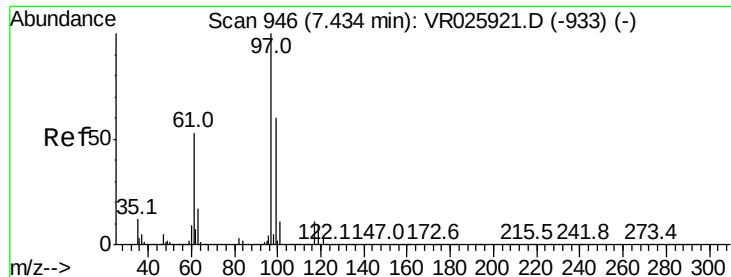
Tgt Ion: 83 Resp: 432610
Ion Ratio Lower Upper
83 100
85 62.1 43.8 81.4



#27
1,2-Dichloroethane
Concen: 5.691 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VR026073.D
Acq: 15 Oct 2018 14:26

Tgt Ion: 62 Resp: 210750
Ion Ratio Lower Upper
62 100
98 7.0 5.2 7.8

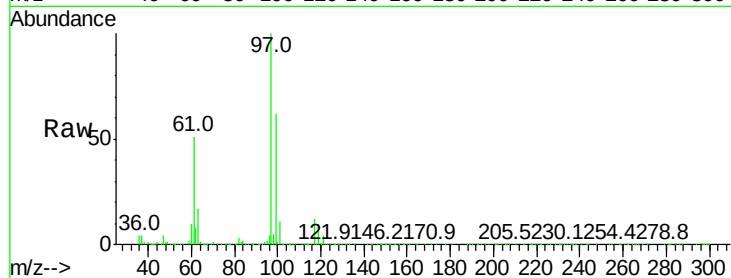




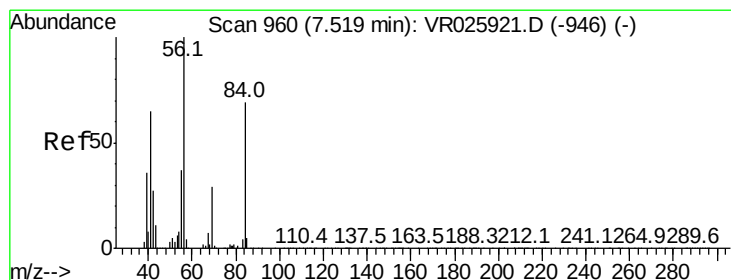
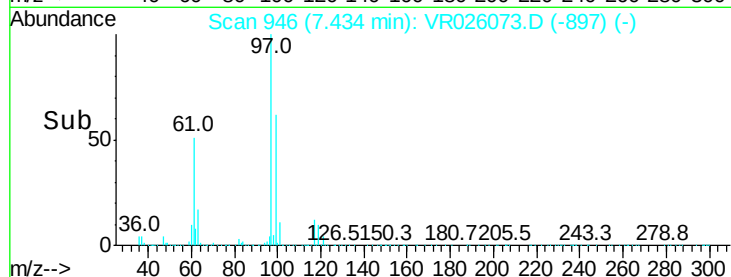
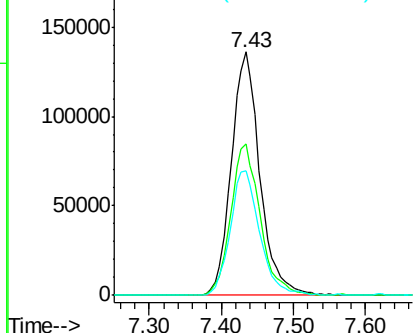
#29
 1,1,1-Trichloroethane
 Concen: 6.153 ug/L
 RT: 7.43 min Scan# 946
 Delta R.T. -0.00 min
 Lab File: VR026073.D
 Acq: 15 Oct 2018 14:26

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00583

Tgt Ion:	97	Resp:	374136
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.6
61	52.6	41.6	62.4

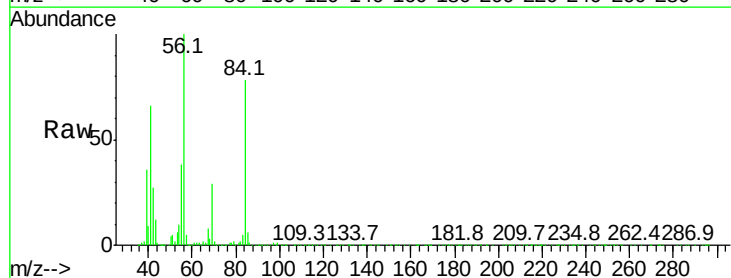


Abundance Ion 96.95 (96.65 to 97.65): VR0
 Ion 99.05 (98.75 to 99.75): VR0
 Ion 61.05 (60.75 to 61.75): VR0

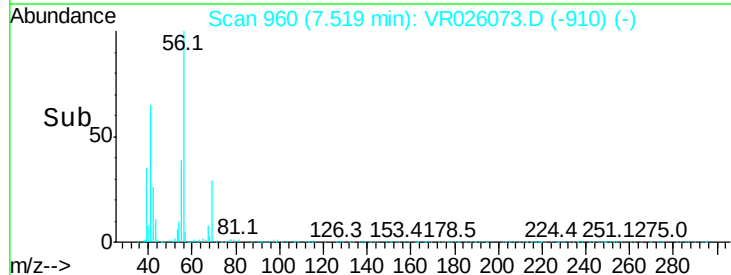
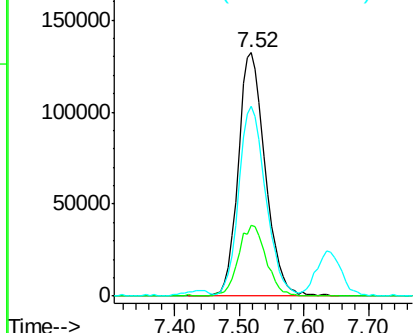


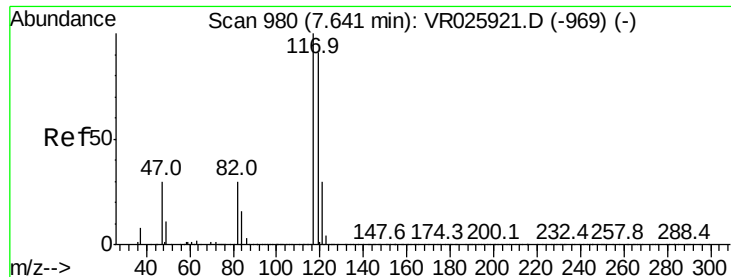
#30
 Cyclohexane
 Concen: 5.021 ug/L
 RT: 7.52 min Scan# 960
 Delta R.T. 0.01 min
 Lab File: VR026073.D
 Acq: 15 Oct 2018 14:26

Tgt Ion:	56	Resp:	381520
Ion	Ratio	Lower	Upper
56	100		
69	29.8	24.8	37.2
84	77.8	59.8	89.8



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





#31

Carbon tetrachloride

Concen: 6.402 ug/L

RT: 7.63 min Scan# 979

Delta R.T. -0.00 min

Lab File: VR026073.D

Acq: 15 Oct 2018 14:26

Instrument :

MSVOA_R

ClientSampleId :

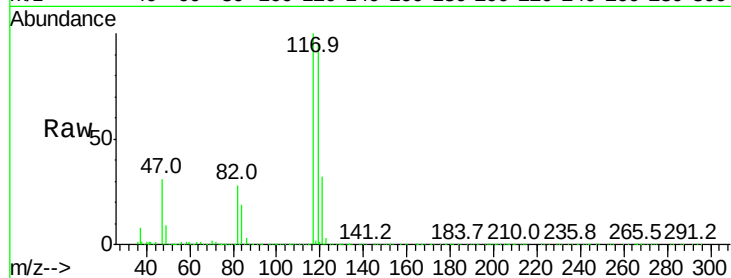
VSTD00583

Tgt Ion:117 Resp: 337158

Ion Ratio Lower Upper

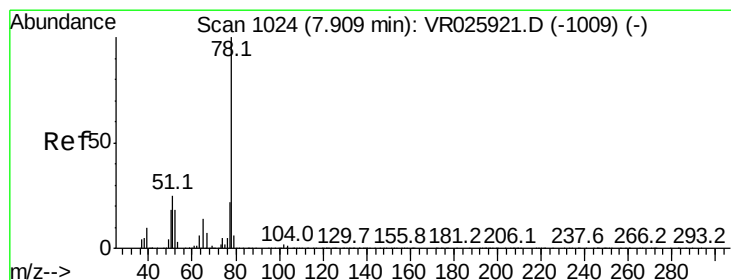
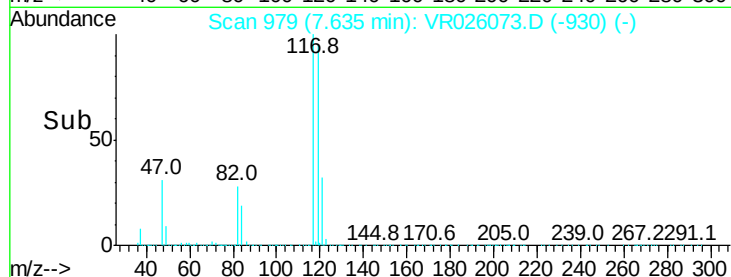
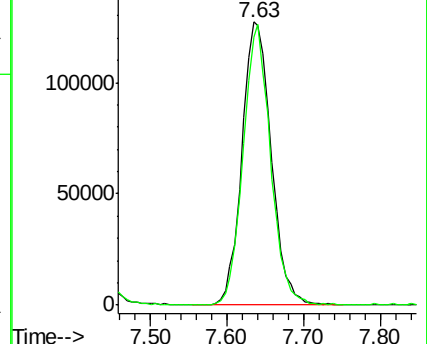
117 100

119 92.7 75.6 113.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.695 ug/L

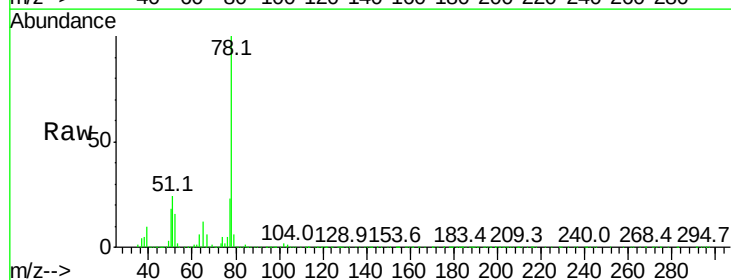
RT: 7.91 min Scan# 1024

Delta R.T. -0.00 min

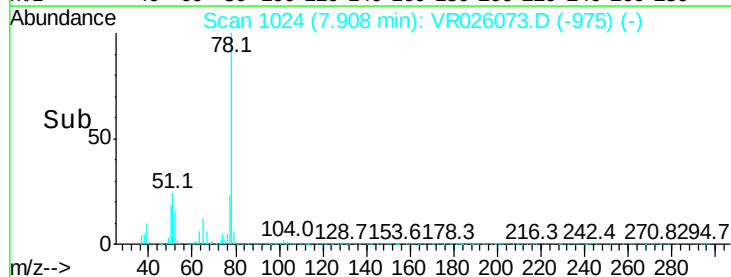
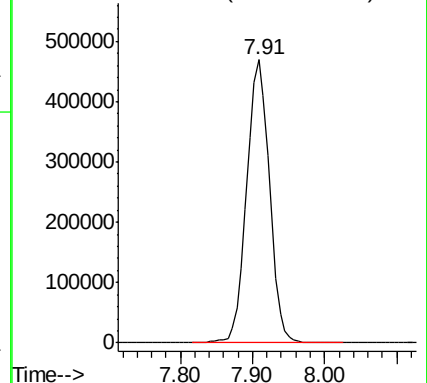
Lab File: VR026073.D

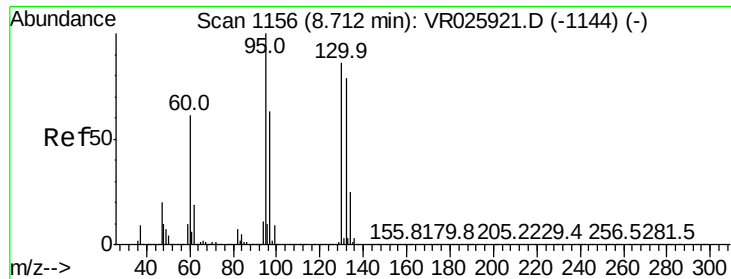
Acq: 15 Oct 2018 14:26

Tgt Ion: 78 Resp: 1032953



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 5.352 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VR026073.D

Acq: 15 Oct 2018 14:26

Instrument :

MSVOA_R

ClientSampleId :

VSTD00583

Tgt Ion: 95 Resp: 255783

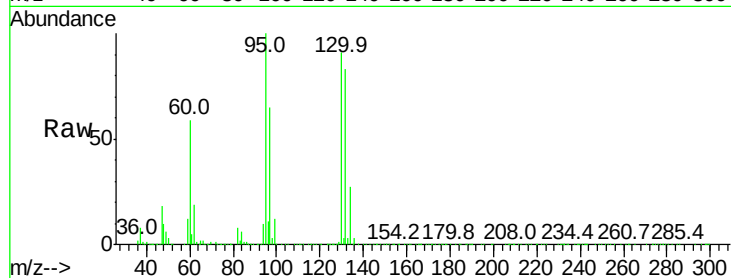
Ion Ratio Lower Upper

95 100

97 65.3 43.9 81.5

132 83.3 53.3 98.9

130 91.5 53.8 99.8

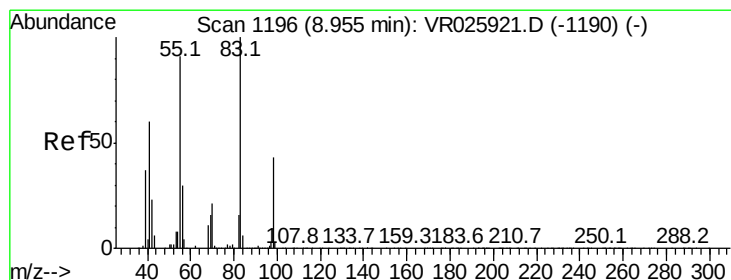
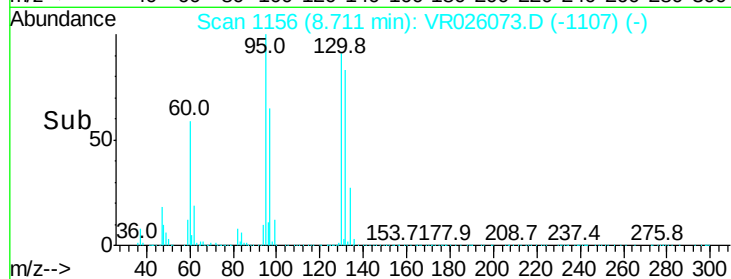
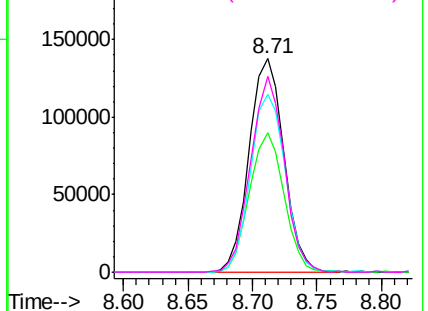


Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.445 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. -0.00 min

Lab File: VR026073.D

Acq: 15 Oct 2018 14:26

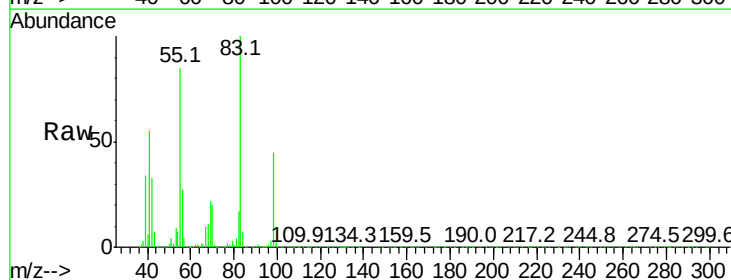
Tgt Ion: 83 Resp: 391259

Ion Ratio Lower Upper

83 100

55 83.5 71.8 107.6

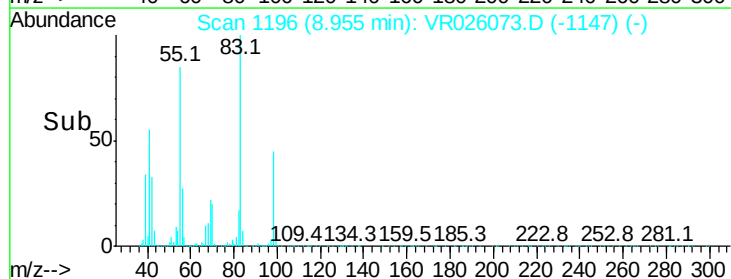
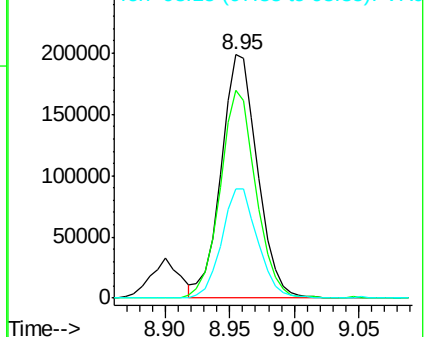
98 44.0 34.2 51.4

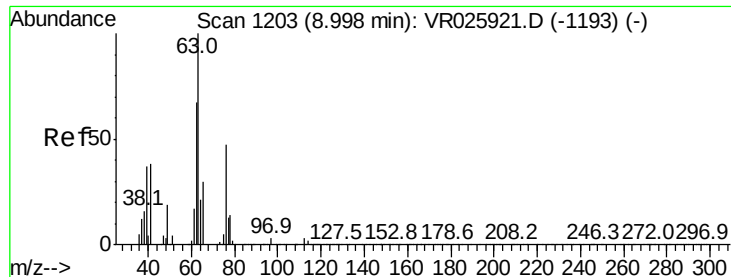


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

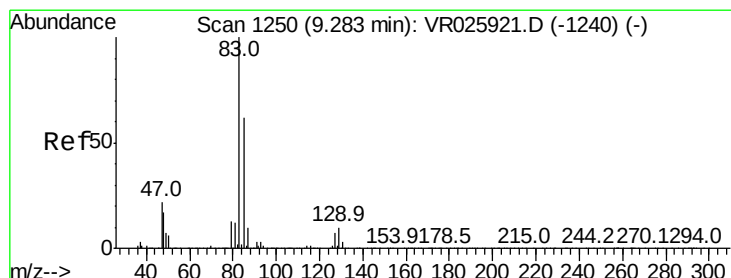
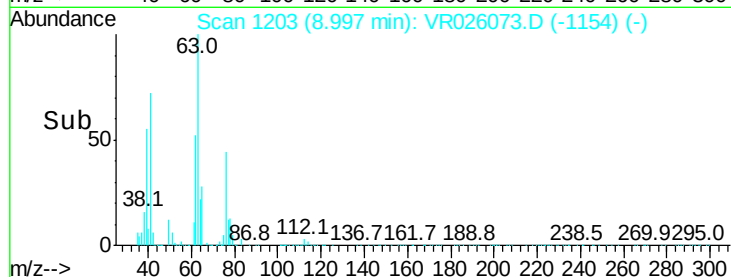
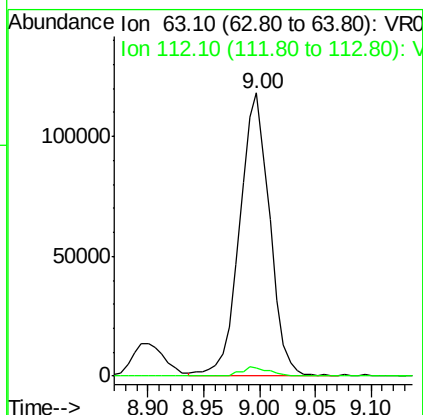
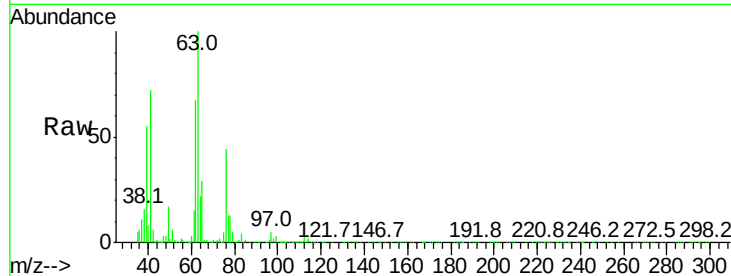




#37
 1,2-Dichloropropane
 Concen: 5.623 ug/L
 RT: 9.00 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: VR026073.D
 Acq: 15 Oct 2018 14:26

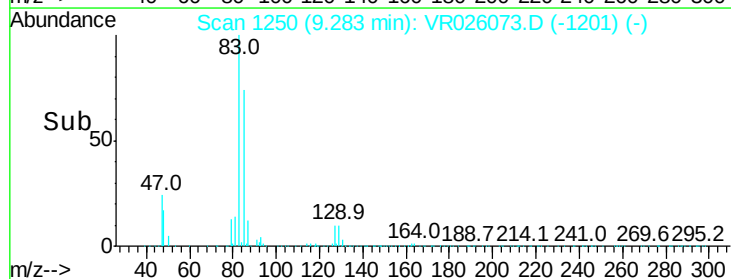
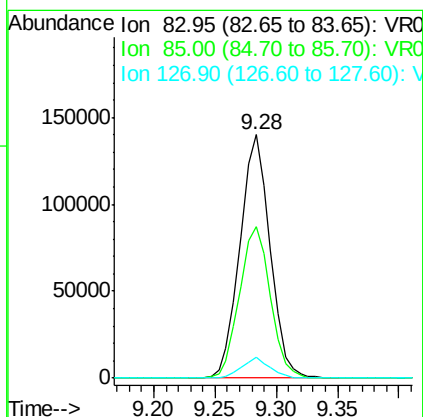
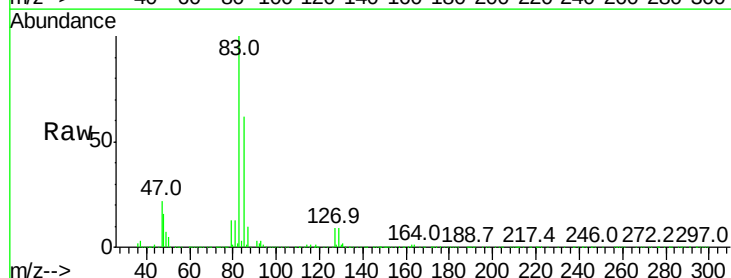
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00583

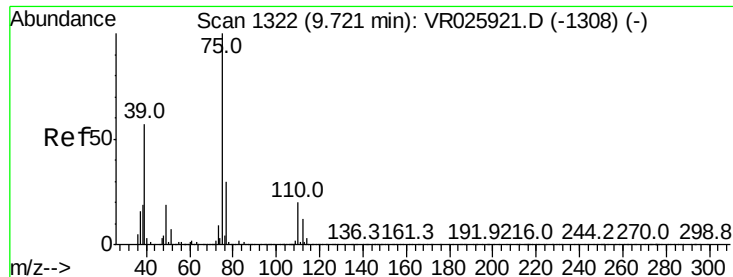
Tgt Ion: 63 Resp: 218779
 Ion Ratio Lower Upper
 63 100
 112 3.4 2.5 3.7



#38
 Bromodichloromethane
 Concen: 5.657 ug/L
 RT: 9.28 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VR026073.D
 Acq: 15 Oct 2018 14:26

Tgt Ion: 83 Resp: 237482
 Ion Ratio Lower Upper
 83 100
 85 62.1 42.8 79.4
 127 8.8 5.6 8.4#





#39

cis-1,3-Dichloropropene

Concen: 5.961 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VR026073.D

Acq: 15 Oct 2018 14:26

Instrument :

MSVOA_R

ClientSampleId :

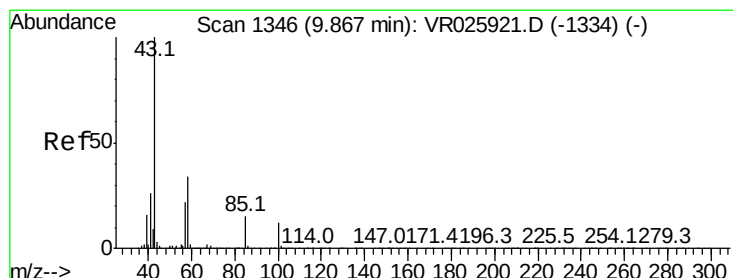
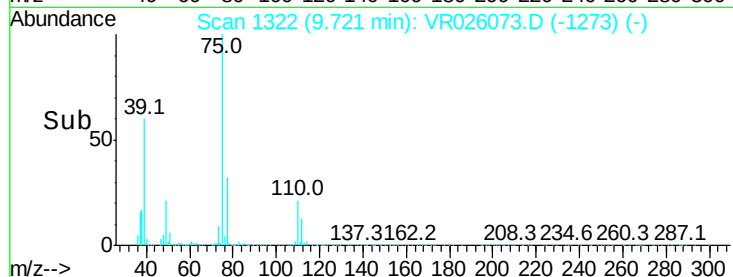
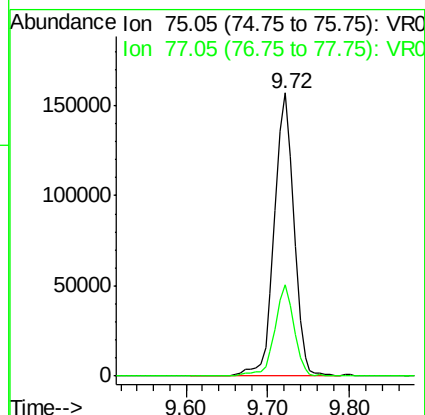
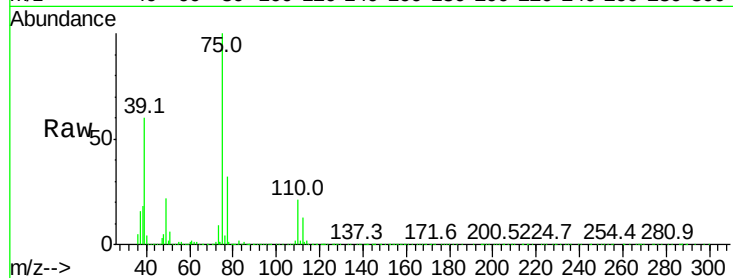
VSTD00583

Tgt Ion: 75 Resp: 260049

Ion Ratio Lower Upper

75 100

77 32.4 21.5 39.9



#40

4-Methyl-2-pentanone

Concen: 51.426 ug/L

RT: 9.87 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VR026073.D

Acq: 15 Oct 2018 14:26

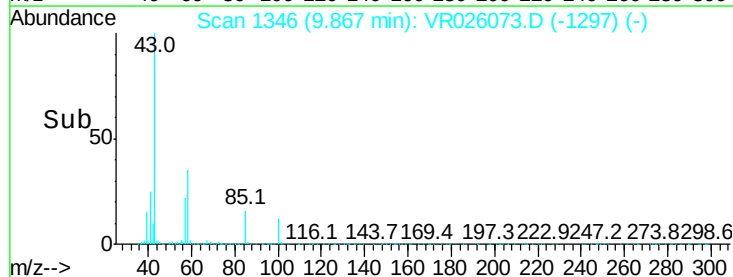
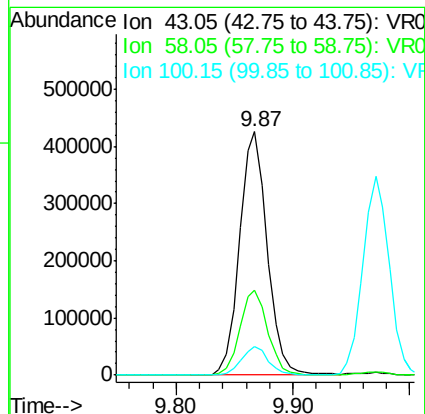
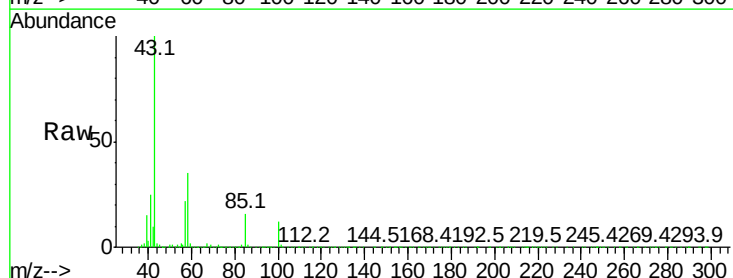
Tgt Ion: 43 Resp: 703620

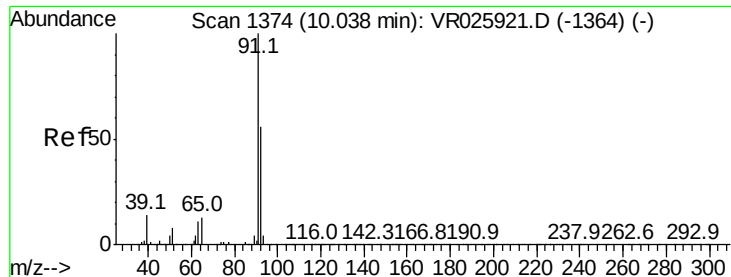
Ion Ratio Lower Upper

43 100

58 35.1 28.6 43.0

100 11.6 9.0 13.4





#42

Toluene

Concen: 5.937 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.01 min

Lab File: VR026073.D

Acq: 15 Oct 2018 14:26

Instrument :

MSVOA_R

ClientSampleId :

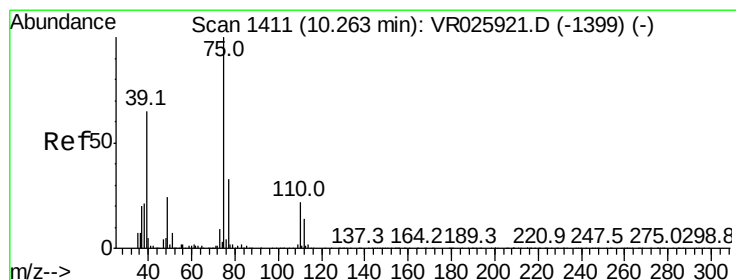
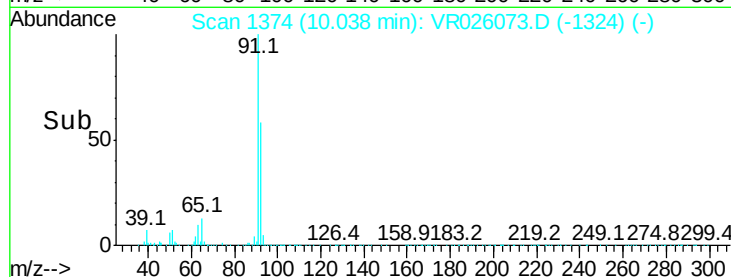
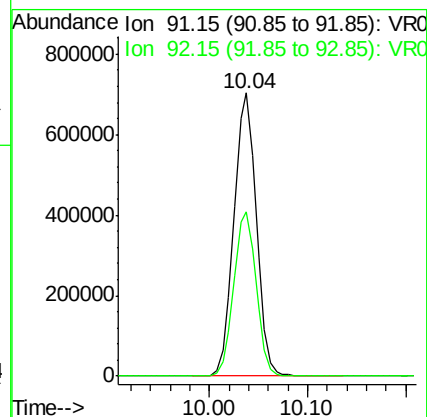
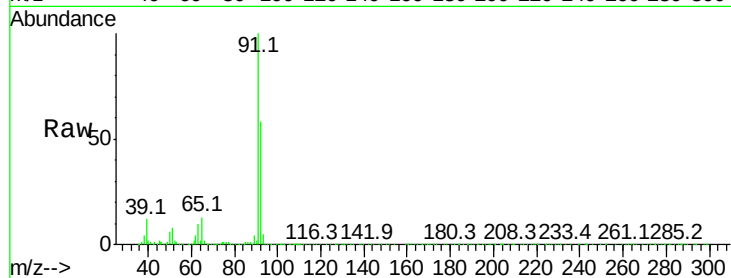
VSTD00583

Tgt Ion: 91 Resp: 1118976

Ion Ratio Lower Upper

91 100

92 58.3 41.8 77.6



#44

trans-1,3-Dichloropropene

Concen: 6.327 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR026073.D

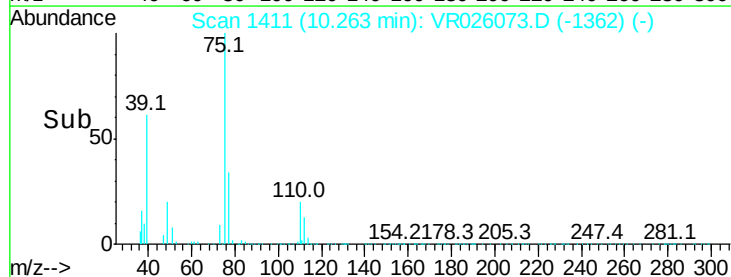
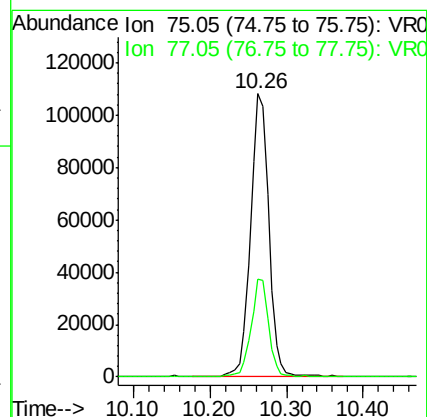
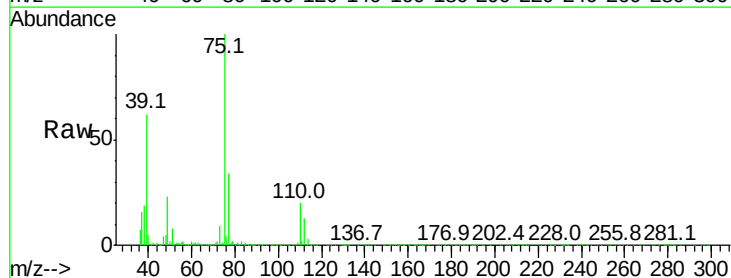
Acq: 15 Oct 2018 14:26

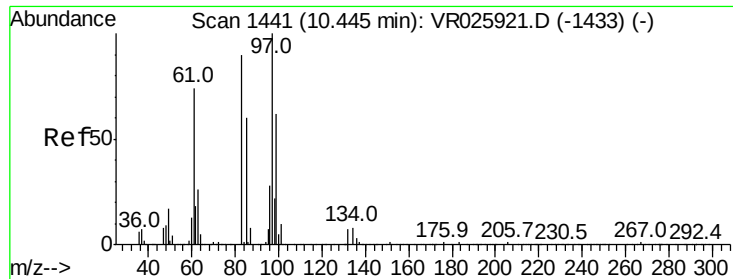
Tgt Ion: 75 Resp: 180229

Ion Ratio Lower Upper

75 100

77 34.4 23.0 42.8

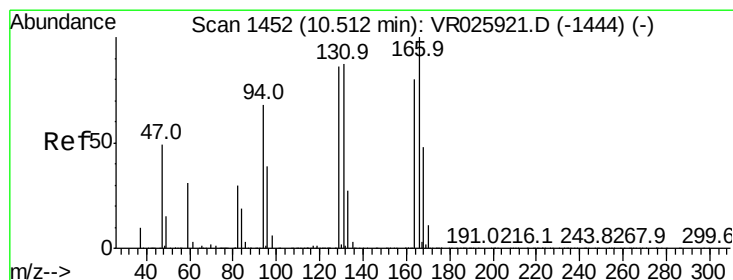
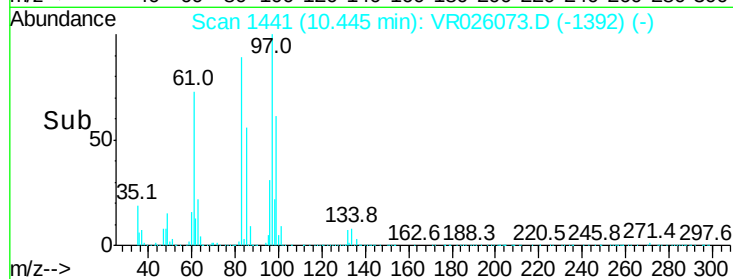
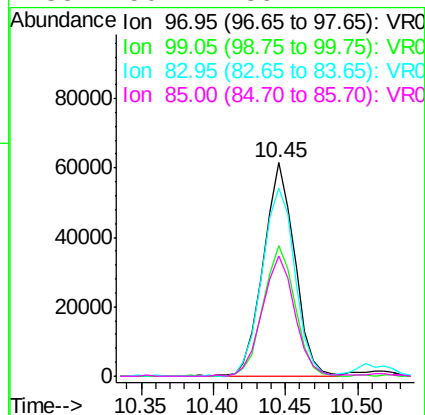
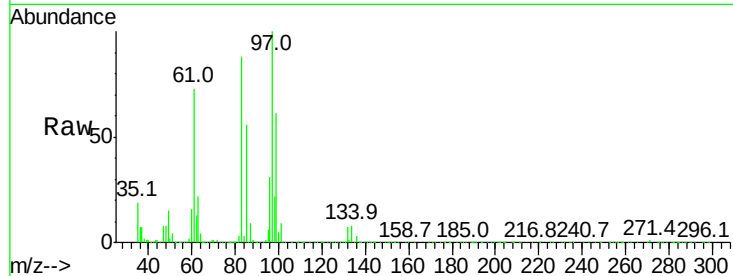




#45
 1,1,2-Trichloroethane
 Concen: 5.269 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VR026073.D
 Acq: 15 Oct 2018 14:26

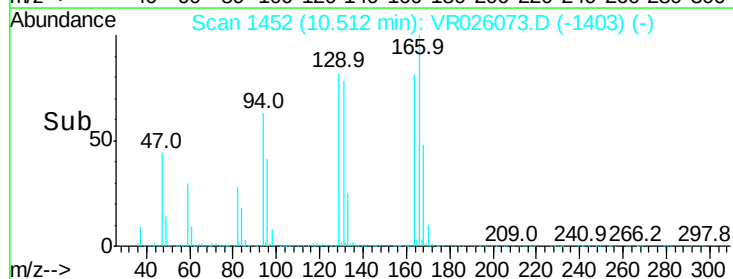
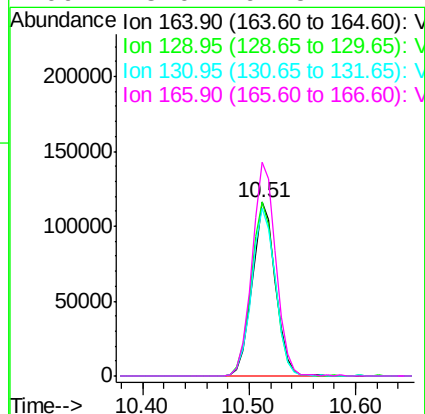
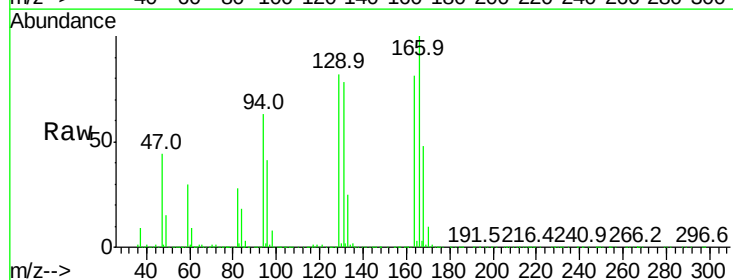
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00583

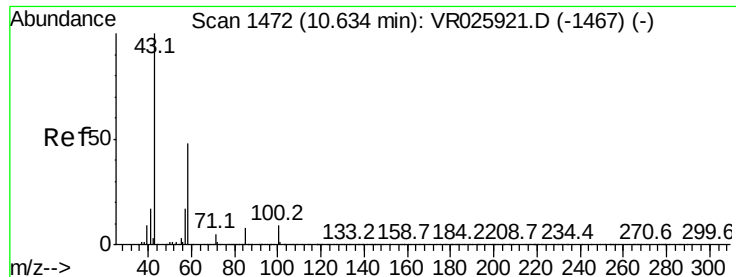
Tgt Ion:	97	Resp:	92728
Ion	Ratio	Lower	Upper
97	100		
99	61.1	39.6	73.6
83	88.4	62.2	115.6
85	56.1	39.1	72.7



#47
 Tetrachloroethene
 Concen: 6.025 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: VR026073.D
 Acq: 15 Oct 2018 14:26

Tgt Ion:	164	Resp:	177440
Ion	Ratio	Lower	Upper
164	100		
129	100.4	80.8	150.2
131	96.2	74.5	138.3
166	123.0	92.5	171.7

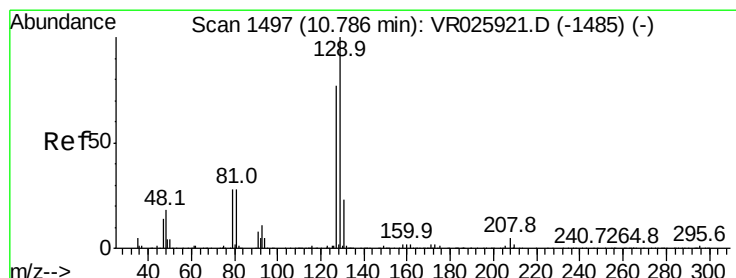
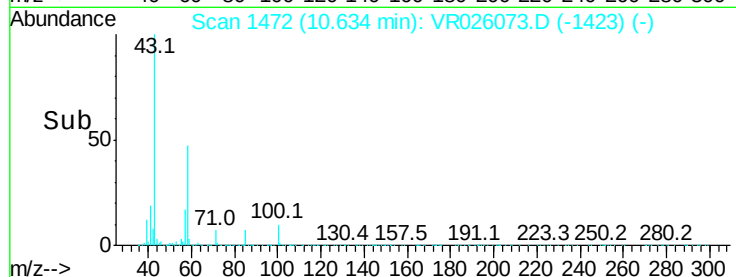
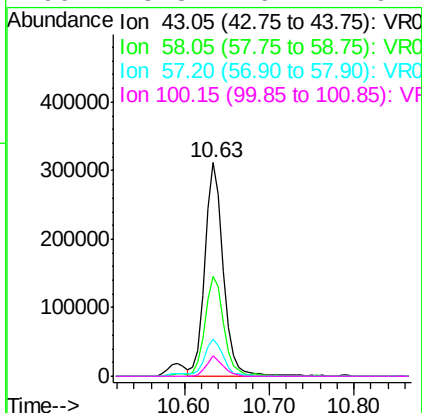
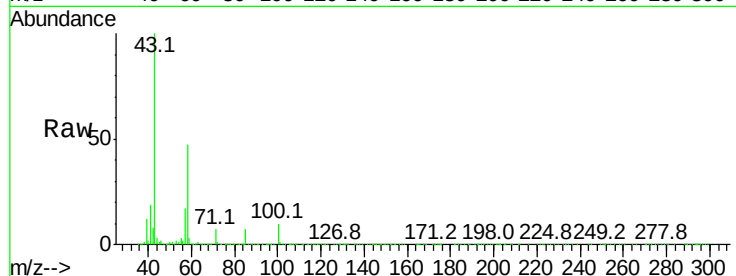




#48
2-Hexanone
Concen: 52.542 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR026073.D
Acq: 15 Oct 2018 14:26

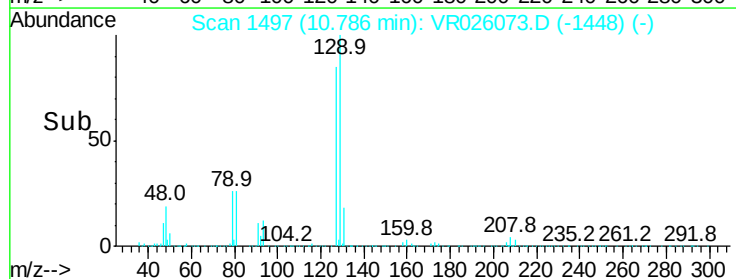
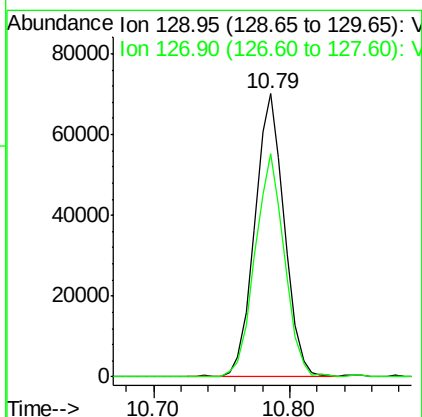
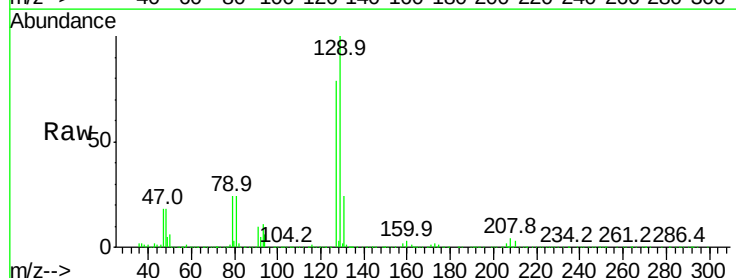
Instrument :
MSVOA_R
ClientSampleId :
VSTD00583

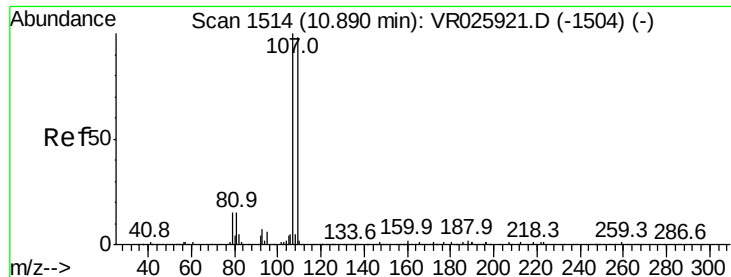
Tgt Ion:	43	Resp:	470670
Ion	Ratio	Lower	Upper
43	100		
58	49.5	39.5	59.3
57	17.5	14.6	21.8
100	8.8	6.7	10.1



#49
Dibromochloromethane
Concen: 5.990 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VR026073.D
Acq: 15 Oct 2018 14:26

Tgt Ion:	129	Resp:	106992
Ion	Ratio	Lower	Upper
129	100		
127	78.6	54.1	100.5

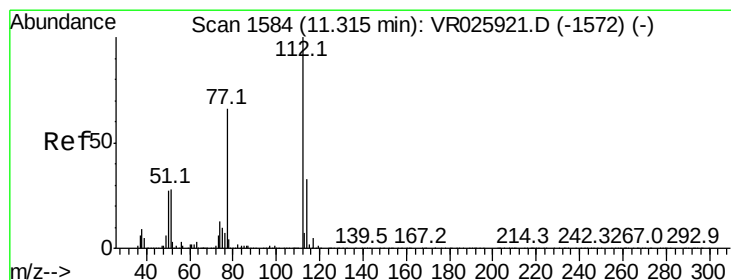
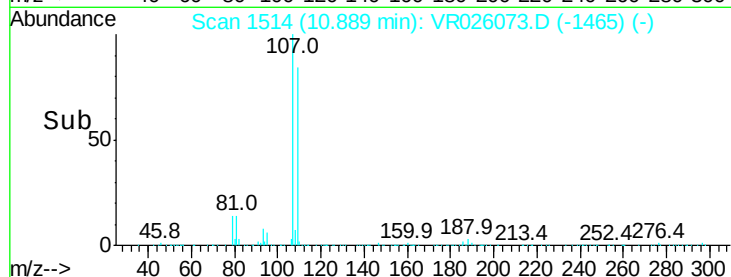
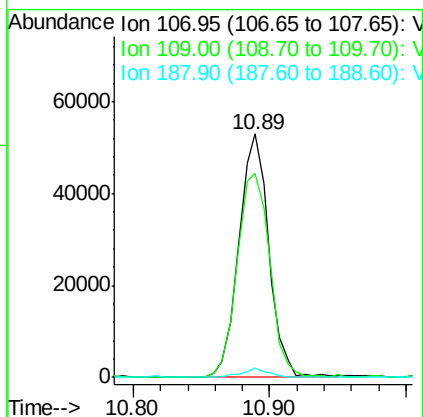
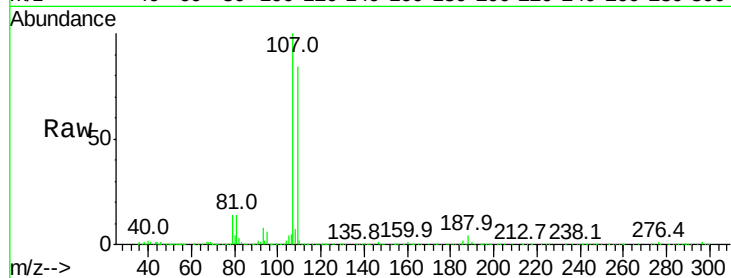




#50
1,2-Dibromoethane
Concen: 5.854 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VR026073.D
Acq: 15 Oct 2018 14:26

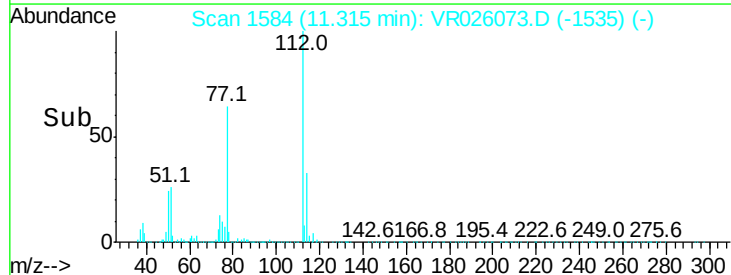
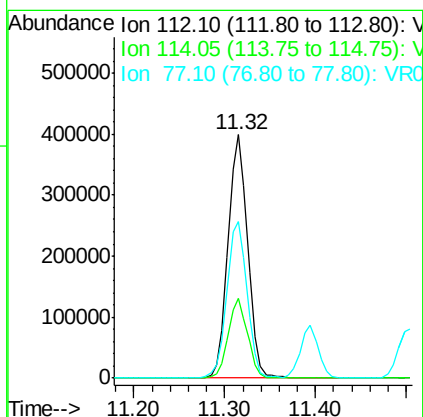
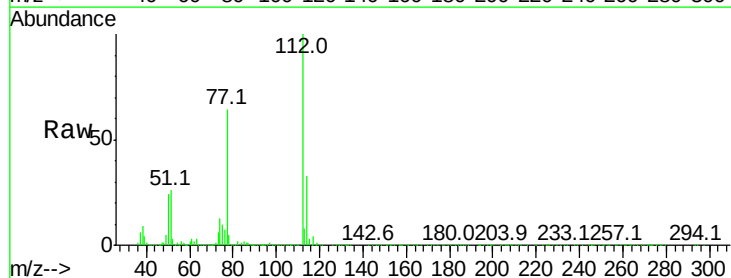
Instrument :
MSVOA_R
ClientSampleId :
VSTD00583

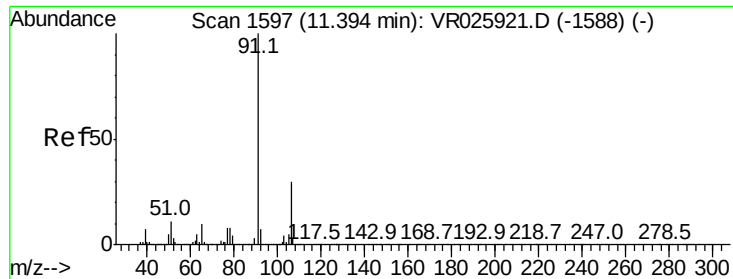
Tgt Ion:107 Resp: 81302
Ion Ratio Lower Upper
107 100
109 83.9 63.5 117.9
188 3.6 1.7 2.5#



#51
Chlorobenzene
Concen: 6.005 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VR026073.D
Acq: 15 Oct 2018 14:26

Tgt Ion:112 Resp: 600303
Ion Ratio Lower Upper
112 100
114 32.6 22.7 42.3
77 64.4 58.5 87.7





#52

Ethylbenzene

Concen: 5.956 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR026073.D

Acq: 15 Oct 2018 14:26

Instrument :

MSVOA_R

ClientSampled :

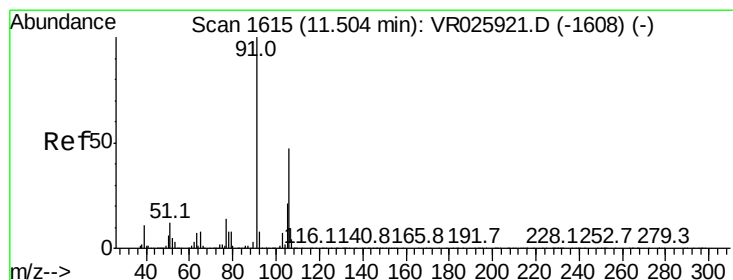
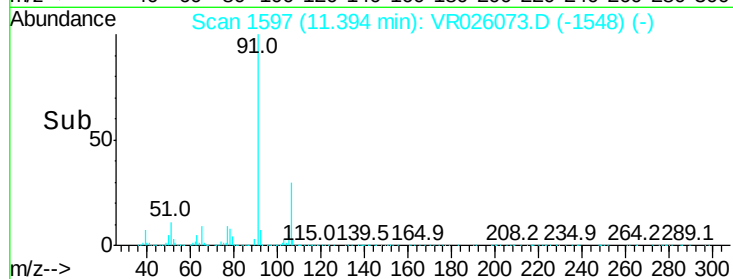
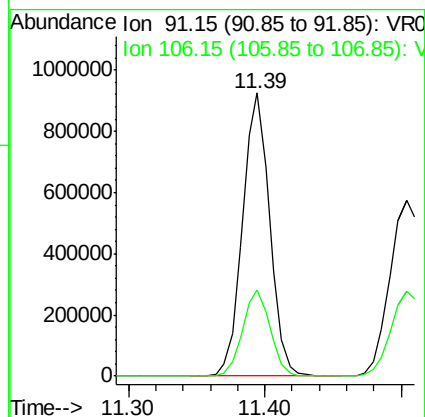
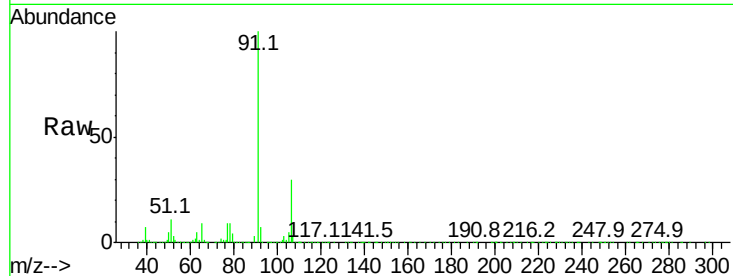
VSTD00583

Tgt Ion: 91 Resp: 1281307

Ion Ratio Lower Upper

91 100

106 30.3 20.6 38.4



#53

m,p-Xylene

Concen: 6.182 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR026073.D

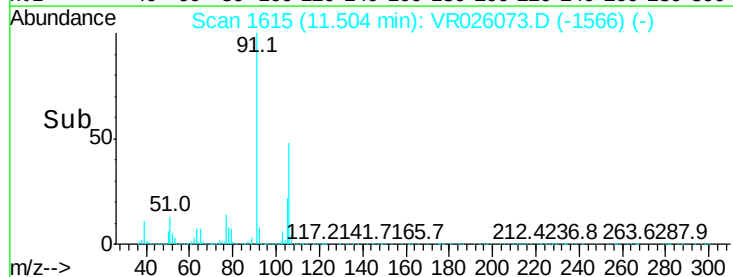
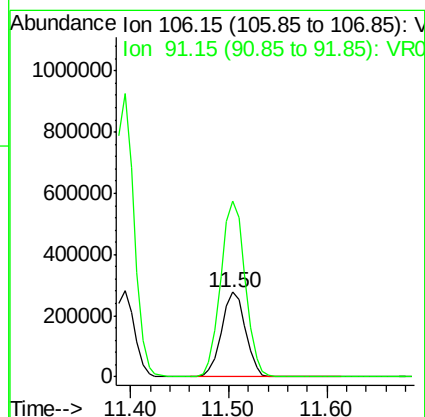
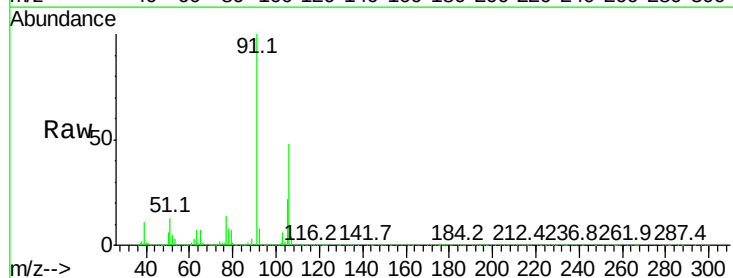
Acq: 15 Oct 2018 14:26

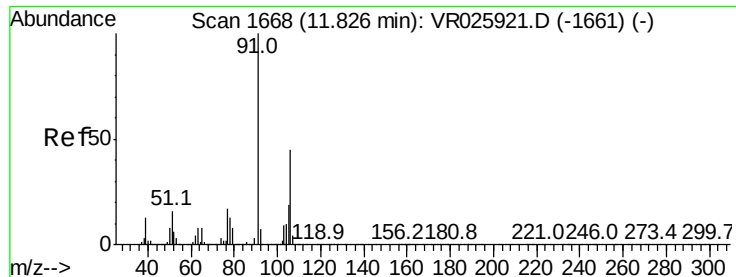
Tgt Ion: 106 Resp: 473430

Ion Ratio Lower Upper

106 100

91 207.5 159.7 296.5

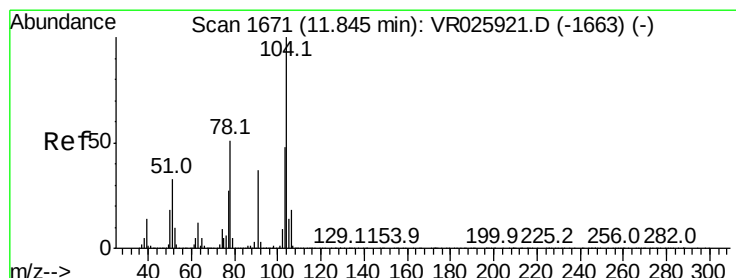
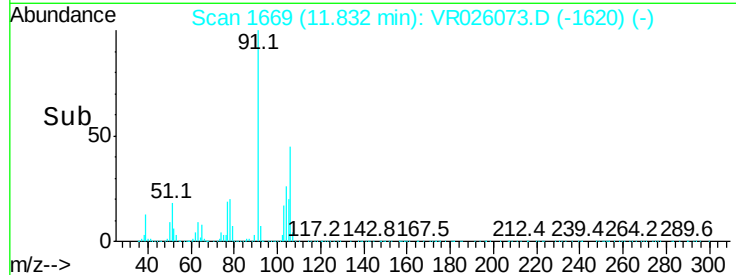
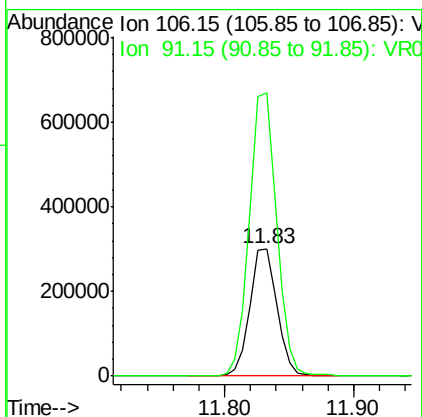
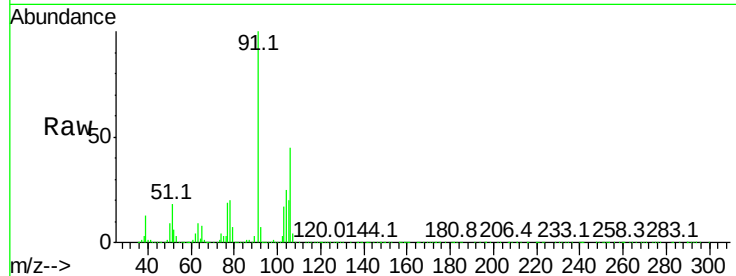




#54
o-Xylene
Concen: 6.109 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. -0.00 min
Lab File: VR026073.D
Acq: 15 Oct 2018 14:26

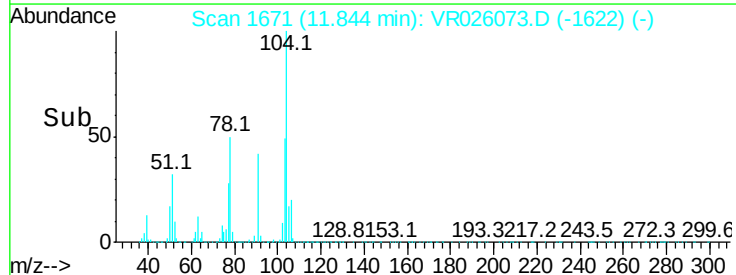
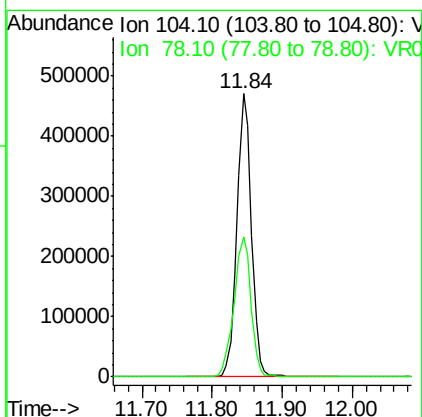
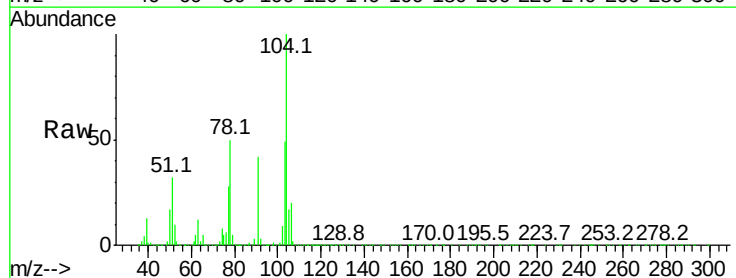
Instrument :
MSVOA_R
ClientSampleId :
VSTD00583

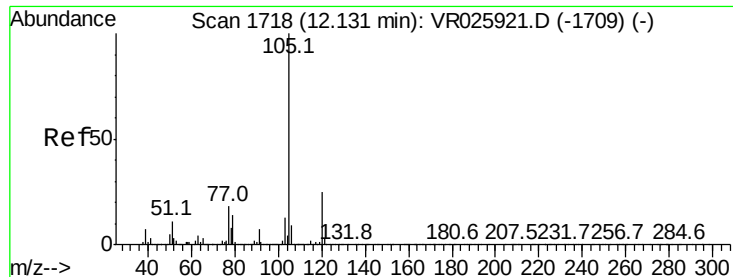
Tgt Ion:106 Resp: 435491
Ion Ratio Lower Upper
106 100
91 222.5 164.5 305.5



#55
Styrene
Concen: 6.112 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR026073.D
Acq: 15 Oct 2018 14:26

Tgt Ion:104 Resp: 678156
Ion Ratio Lower Upper
104 100
78 49.6 39.3 72.9





#56

Isopropylbenzene

Concen: 6.163 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR026073.D

Acq: 15 Oct 2018 14:26

Instrument :

MSVOA_R

ClientSampleId :

VSTD00583

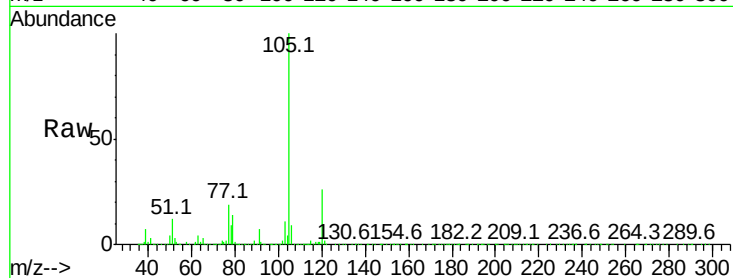
Tgt Ion:105 Resp: 1211702

Ion Ratio Lower Upper

105 100

120 26.2 19.8 29.8

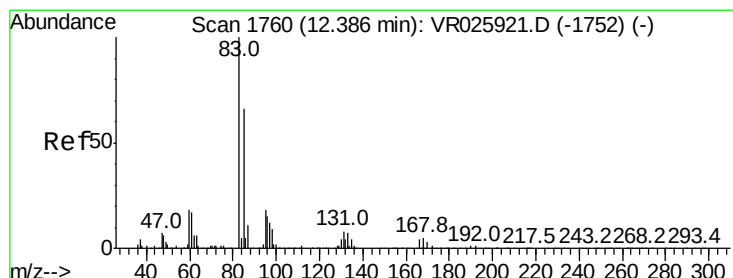
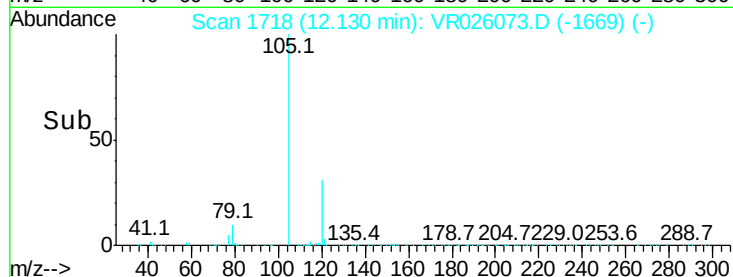
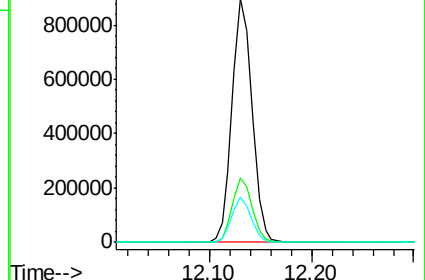
77 18.2 15.5 23.3



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): VR0



#58

1,1,2,2-Tetrachloroethane

Concen: 5.403 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. -0.00 min

Lab File: VR026073.D

Acq: 15 Oct 2018 14:26

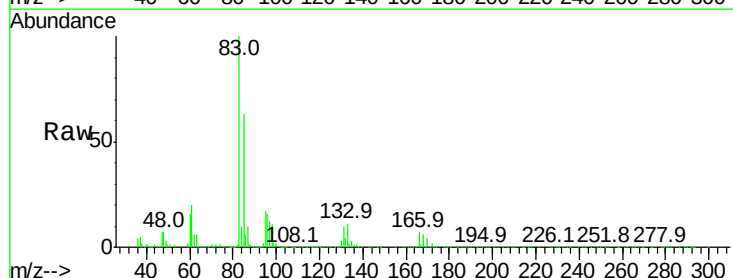
Tgt Ion: 83 Resp: 91618

Ion Ratio Lower Upper

83 100

85 62.9 45.8 85.0

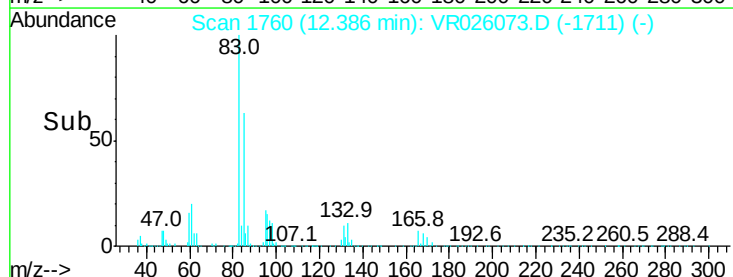
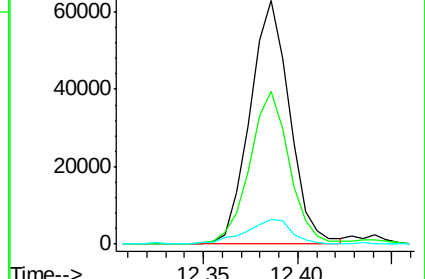
131 10.0 6.6 9.8#

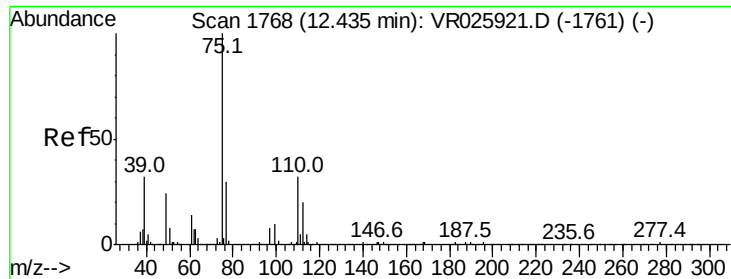


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.353 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VR026073.D

Acq: 15 Oct 2018 14:26

Instrument :

MSVOA_R

ClientSampleId :

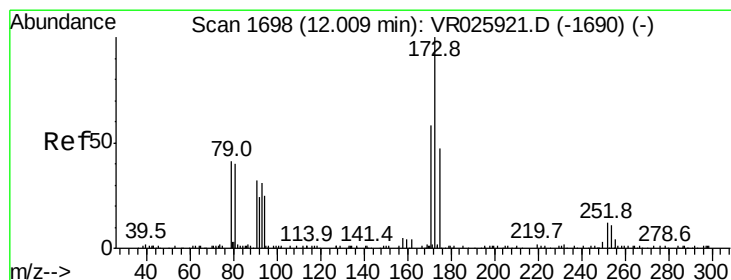
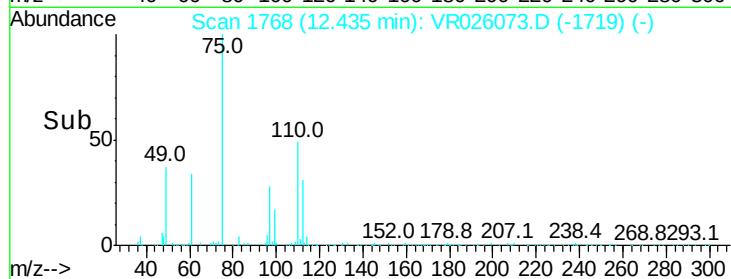
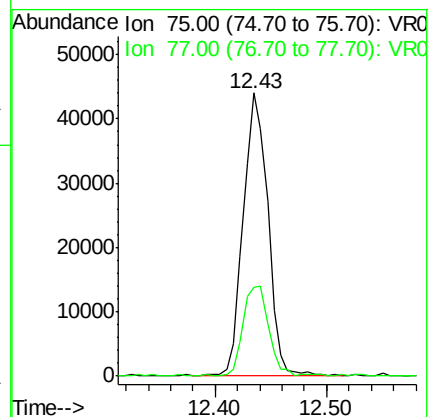
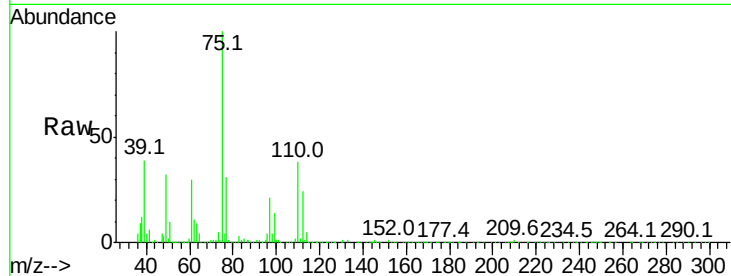
VSTD00583

Tgt Ion: 75 Resp: 67558

Ion Ratio Lower Upper

75 100

77 32.7 25.8 38.6



#61

Bromoform

Concen: 5.889 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VR026073.D

Acq: 15 Oct 2018 14:26

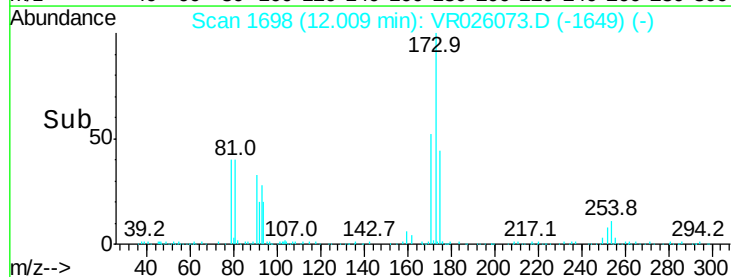
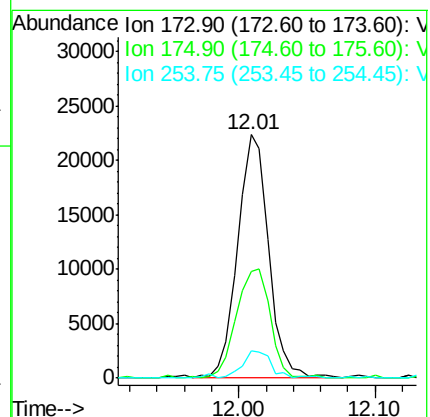
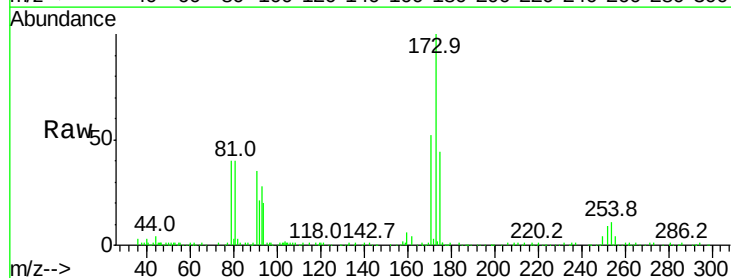
Tgt Ion: 173 Resp: 35539

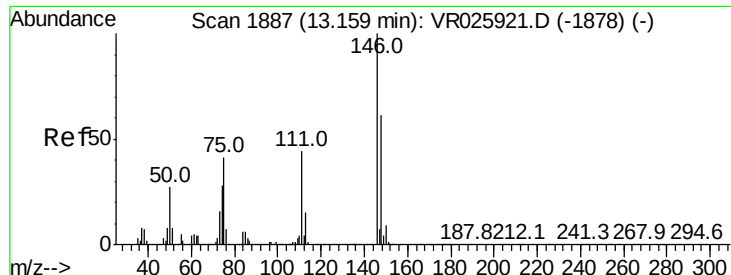
Ion Ratio Lower Upper

173 100

175 48.7 36.9 55.3

254 10.1 6.6 10.0#





#62

1,3-Dichlorobenzene

Concen: 5.789 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. -0.00 min

Lab File: VR026073.D

Acq: 15 Oct 2018 14:26

Instrument :

MSVOA_R

ClientSampleId :

VSTD00583

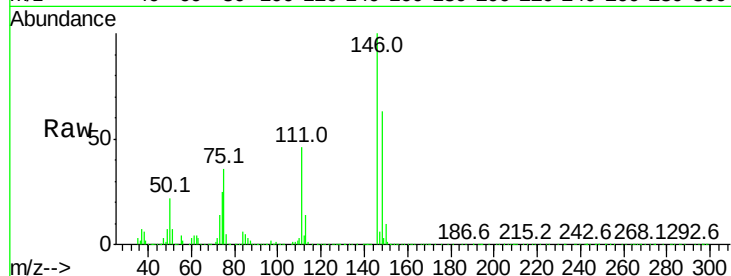
Tgt Ion:146 Resp: 337773

Ion Ratio Lower Upper

146 100

111 45.9 36.6 68.0

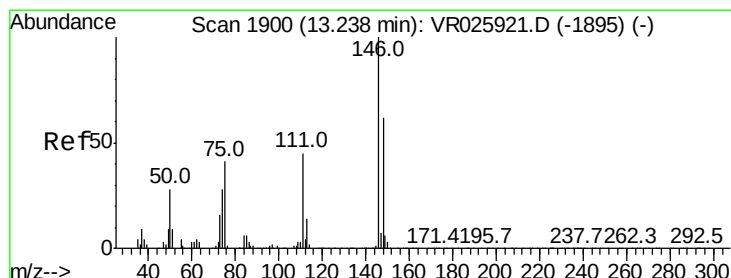
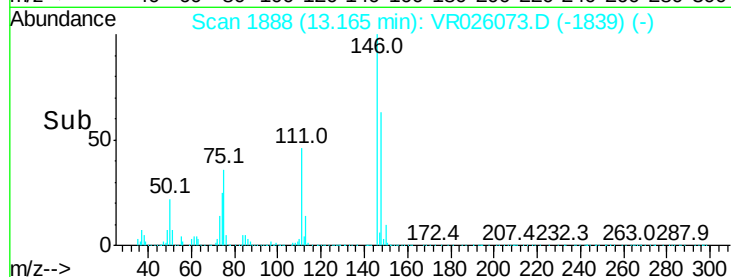
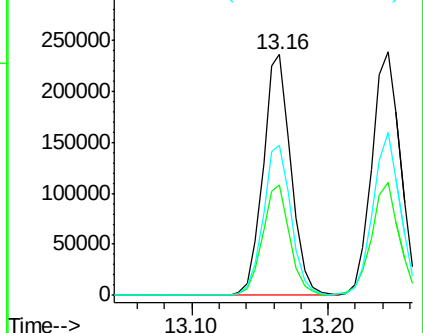
148 62.5 41.9 77.7



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: 5.841 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VR026073.D

Acq: 15 Oct 2018 14:26

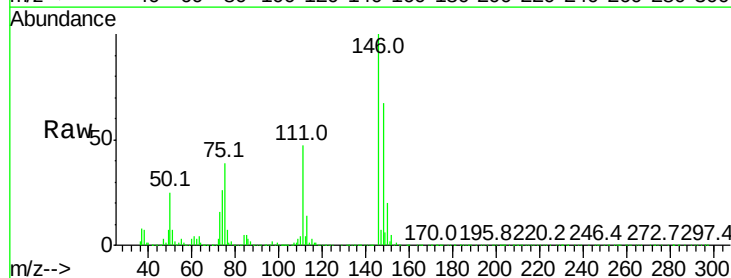
Tgt Ion:146 Resp: 348635

Ion Ratio Lower Upper

146 100

111 46.6 32.9 61.1

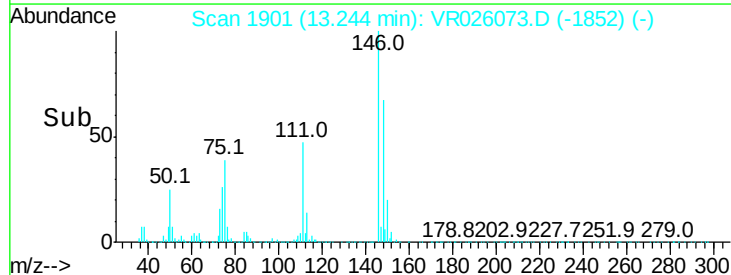
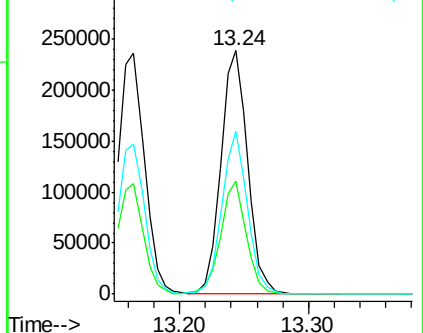
148 66.7 45.5 84.5

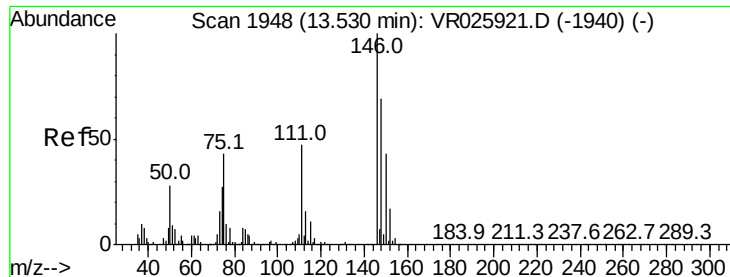


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

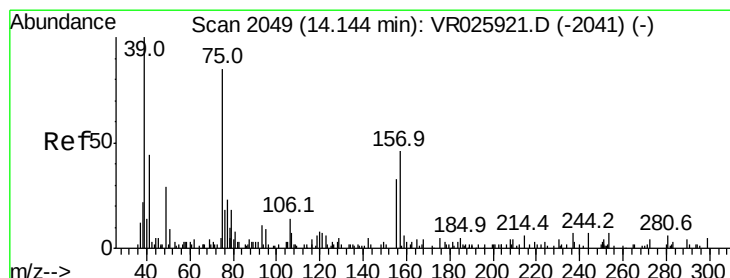
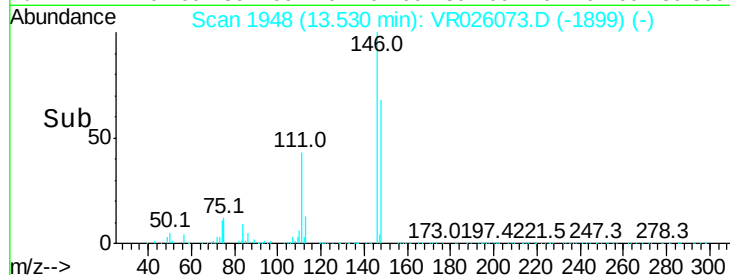
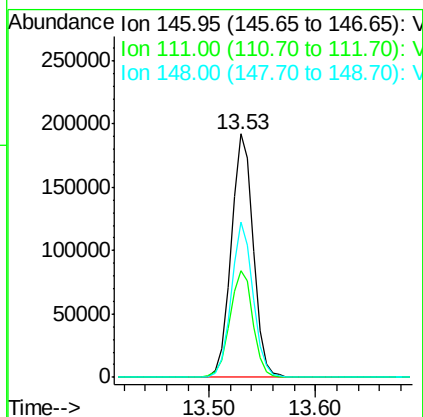
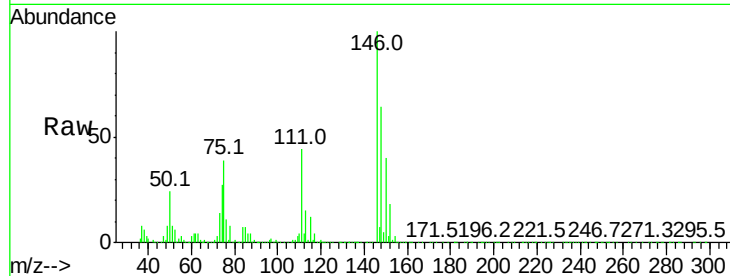




#65
 1,2-Dichlorobenzene
 Concen: 5.943 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. -0.00 min
 Lab File: VR026073.D
 Acq: 15 Oct 2018 14:26

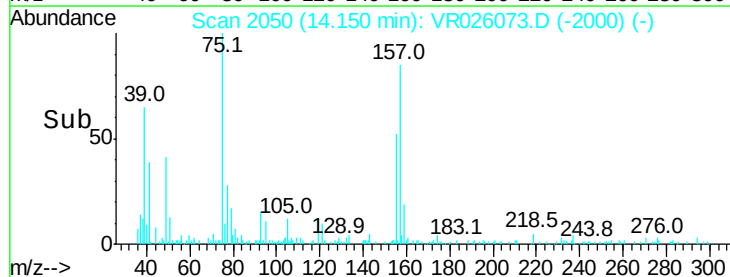
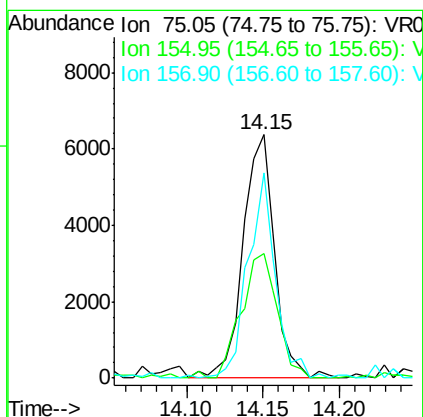
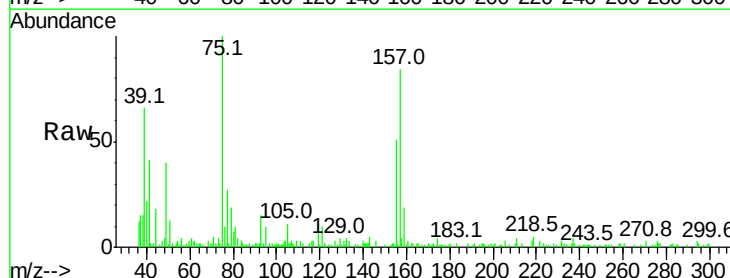
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00583

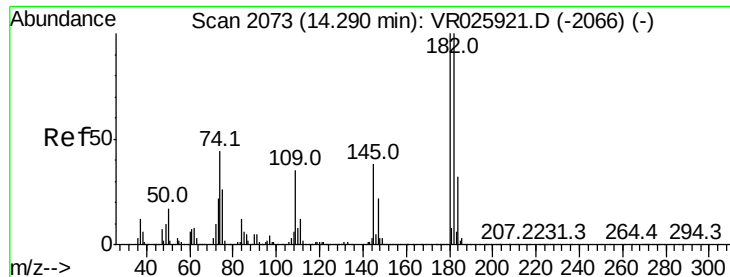
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.0	39.4	59.0
148	64.0	53.5	80.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.621 ug/L
 RT: 14.15 min Scan# 2050
 Delta R.T. 0.01 min
 Lab File: VR026073.D
 Acq: 15 Oct 2018 14:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	51.1	37.8	56.6
157	84.1	49.7	74.5

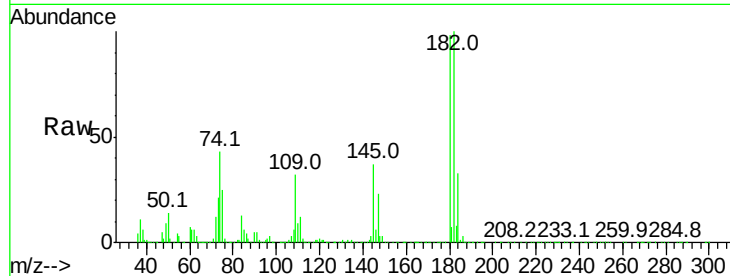




#67
 1,3,5-Trichlorobenzene
 Concen: 5.583 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR026073.D
 Acq: 15 Oct 2018 14:26

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00583

Tgt Ion:	180	Resp:	194032
Ion	Ratio	Lower	Upper
180	100		
182	96.9	77.2	115.8
184	31.2	24.5	36.7
145	34.5	31.1	46.7

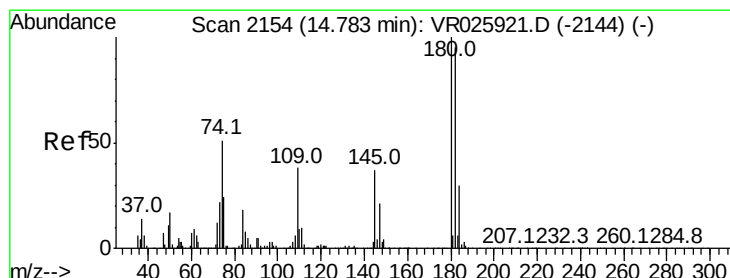
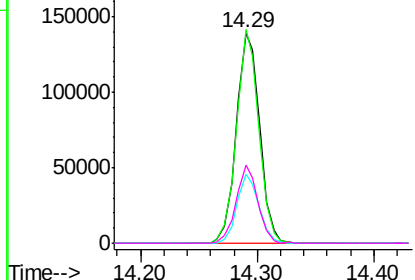
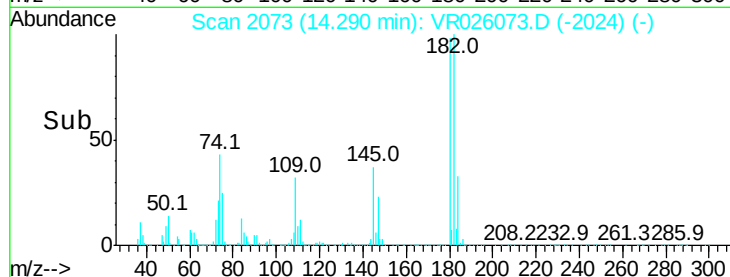


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

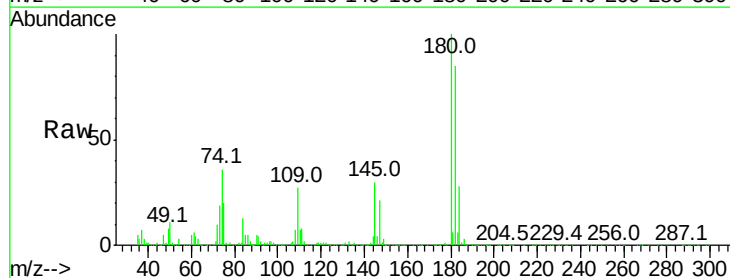
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.240 ug/L
 RT: 14.79 min Scan# 2155
 Delta R.T. 0.01 min
 Lab File: VR026073.D
 Acq: 15 Oct 2018 14:26

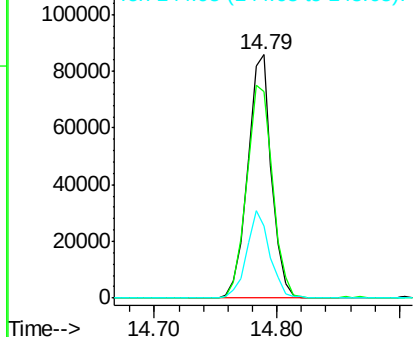
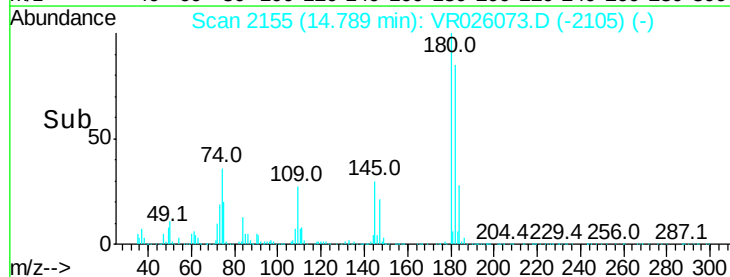
Tgt Ion:	180	Resp:	116085
Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.2	112.8
145	35.3	30.5	45.7

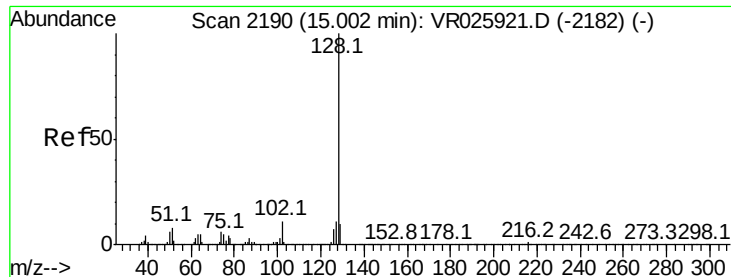


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.179 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR026073.D

Acq: 15 Oct 2018 14:26

Instrument :

MSVOA_R

ClientSampled :

VSTD00583

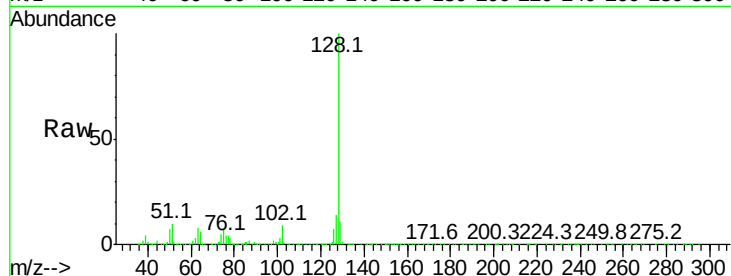
Tgt Ion:128 Resp: 118164

Ion Ratio Lower Upper

128 100

127 13.8 10.5 15.7

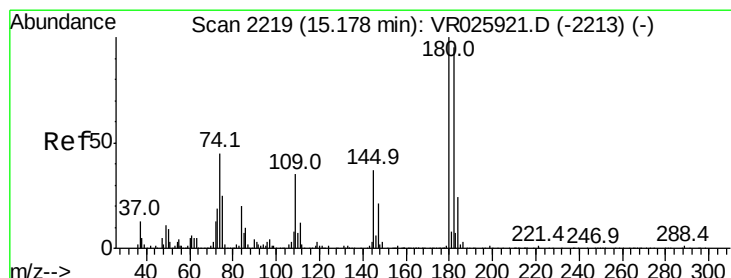
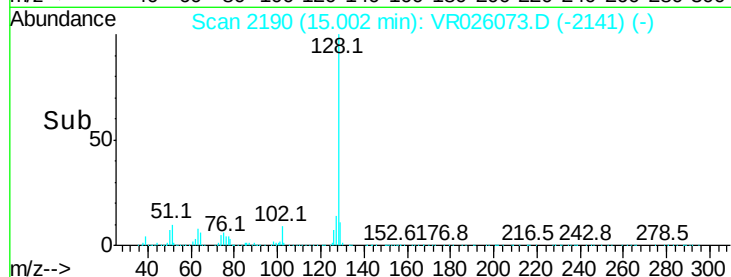
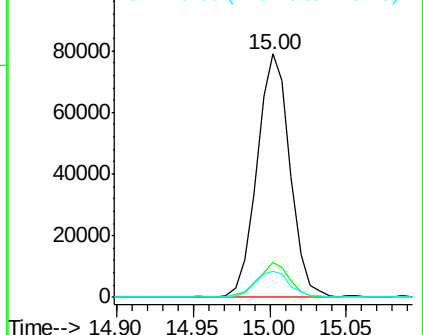
129 11.4 9.4 14.2



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: 5.210 ug/L

RT: 15.18 min Scan# 2220

Delta R.T. 0.01 min

Lab File: VR026073.D

Acq: 15 Oct 2018 14:26

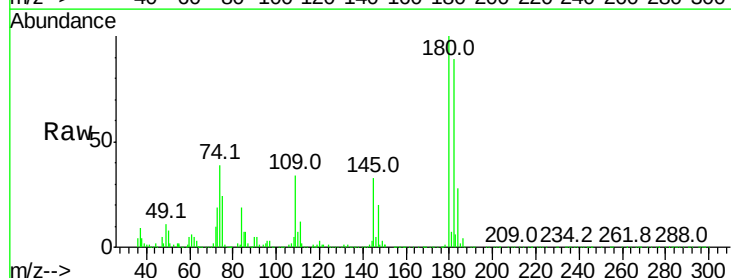
Tgt Ion:180 Resp: 80077

Ion Ratio Lower Upper

180 100

182 94.6 74.7 112.1

145 36.0 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

