

Data File : VR026363.D
Acq On : 22 Feb 2019 15:09
Operator : SY/MD
Sample : VSTD00182
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

Quant Time: Feb 23 04:15:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR022219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Feb 23 04:12:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	522210	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	412563	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	146211	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.14	65	58403	1.37	ug/L	0.00
7) Chloroethane-d5	2.61	69	47743	1.31	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.61	63	135502	1.28	ug/L	0.00
20) 2-Butanone-d5	6.58	46	33530	10.47	ug/L	0.00
24) Chloroform-d	7.20	84	89539	1.19	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.89	65	36351	1.28	ug/L	0.00
32) Benzene-d6	7.85	84	163791	1.23	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.89	67	40656	1.20	ug/L	0.00
41) Toluene-d8	9.96	98	145498	1.18	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.23	79	10221	1.12	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	19882	8.65	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	16601	1.25	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.51	152	27575	1.20	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.82	85	49472	1.252 ug/L	93
3) Chloromethane	2.00	50	63580	1.224 ug/L	94
5) Vinyl chloride	2.14	62	61780	1.242 ug/L	96
6) Bromomethane	2.51	94	34165	1.053 ug/L	88
8) Chloroethane	2.65	64	36142	1.172 ug/L	87
9) Trichlorofluoromethane	2.94	101	71733	0.930 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	3.66	101	45340	1.108 ug/L	93
12) 1,1-Dichloroethene	3.62	96	50912	1.136 ug/L	90
13) Acetone	3.69	43	38821	11.933 ug/L	99
14) Carbon disulfide	3.93	76	155228	1.106 ug/L	99
15) Methyl Acetate	4.18	43	11149	1.219 ug/L #	78
16) Methylene chloride	4.40	84	48189	1.168 ug/L	93
17) Methyl tert-butyl Ether	4.89	73	40788	0.940 ug/L #	89
18) trans-1,2-Dichloroethene	4.88	96	43667	1.050 ug/L	96
19) 1,1-Dichloroethane	5.68	63	78289	1.074 ug/L	97
21) 2-Butanone	6.69	43	37672	9.607 ug/L	99
22) cis-1,2-Dichloroethene	6.67	96	31257	0.885 ug/L #	92
23) Bromochloromethane	7.04	128	11817	1.104 ug/L #	81
25) Chloroform	7.23	83	74905	1.046 ug/L	99
27) 1,2-Dichloroethane	7.99	62	36298	1.126 ug/L	98
29) 1,1,1-Trichloroethane	7.43	97	62158	1.025 ug/L	98
30) Cyclohexane	7.51	56	48830	0.989 ug/L	98
31) Carbon tetrachloride	7.63	117	60234	1.081 ug/L	98
33) Benzene	7.91	78	164354	1.096 ug/L	100
34) Trichloroethene	8.71	95	40920	1.075 ug/L	98
35) Methylcyclohexane	8.96	83	52771	1.038 ug/L	98
37) 1,2-Dichloropropane	8.99	63	36698	1.123 ug/L	100
38) Bromodichloromethane	9.28	83	39926	1.090 ug/L	92
39) cis-1,3-Dichloropropene	9.72	75	29762	0.865 ug/L	87
40) 4-Methyl-2-pentanone	9.87	43	76872	9.025 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.03	91	162660	1.072	ug/L	100
44) trans-1,3-Dichloropropene	10.26	75	23624	0.928	ug/L	100
45) 1,1,2-Trichloroethane	10.44	97	14997	1.088	ug/L	91
47) Tetrachloroethene	10.51	164	28661	1.024	ug/L	88
48) 2-Hexanone	10.63	43	61907	10.581	ug/L	90
49) Dibromochloromethane	10.78	129	16580	0.930	ug/L	97
50) 1,2-Dibromoethane	10.88	107	11044	0.991	ug/L #	91
51) Chlorobenzene	11.31	112	89551	1.019	ug/L	99
52) Ethylbenzene	11.39	91	173324	1.023	ug/L	99
53) m,p-Xylene	11.50	106	60854	0.985	ug/L	93
54) o-Xylene	11.83	106	47386	0.884	ug/L	93
55) Styrene	11.84	104	82788	0.979	ug/L	99
56) Isopropylbenzene	12.13	105	137193	0.905	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.38	83	12530	0.967	ug/L #	94
59) 1,2,3-Trichloropropane	12.43	75	9528	1.018	ug/L	93
61) Bromoform	12.00	173	7671	1.152	ug/L #	98
62) 1,3-Dichlorobenzene	13.16	146	43816	0.999	ug/L	96
63) 1,4-Dichlorobenzene	13.24	146	53610	1.055	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	37465	0.998	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.14	75	1517	1.054	ug/L #	85
67) 1,3,5-Trichlorobenzene	14.29	180	26433	0.934	ug/L	98
68) 1,2,4-trichlorobenzene	14.78	180	13456	0.870	ug/L	96
69) Naphthalene	15.00	128	9734	0.667	ug/L #	86
70) 1,2,3-Trichlorobenzene	15.18	180	8989	0.766	ug/L	93

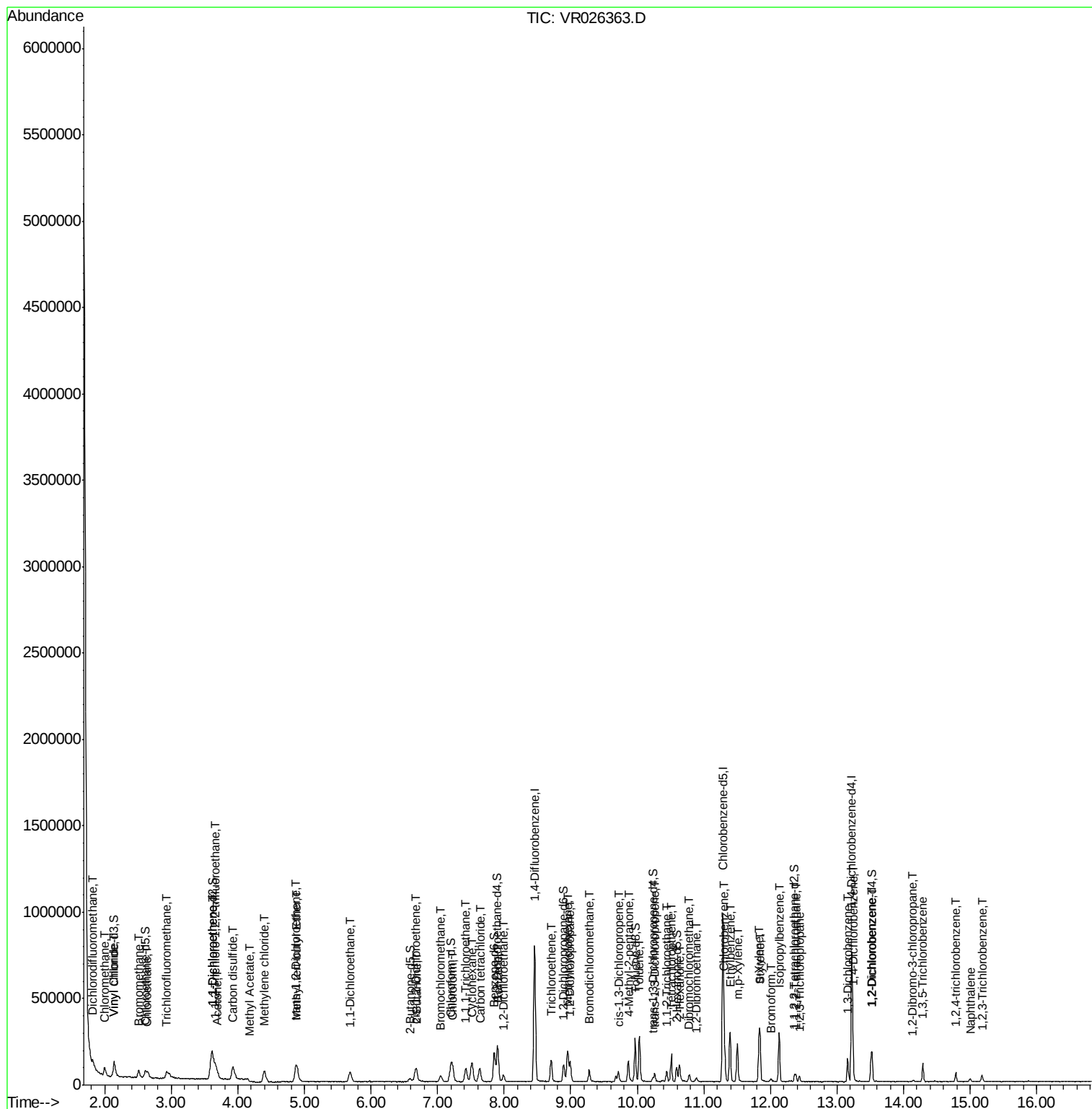
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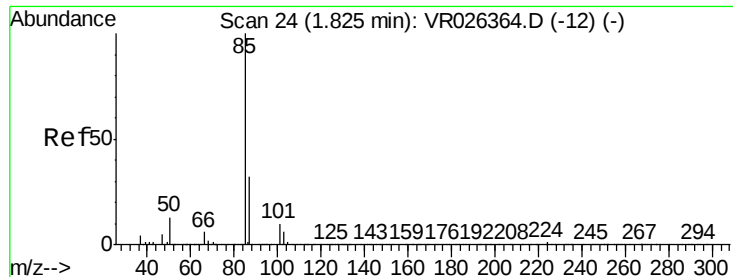
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#2

Dichlorodifluoromethane

Concen: 1.252 ug/L

RT: 1.82 min Scan# 23

Delta R.T. -0.01 min

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Instrument :

MSVOA_R

ClientSampleId :

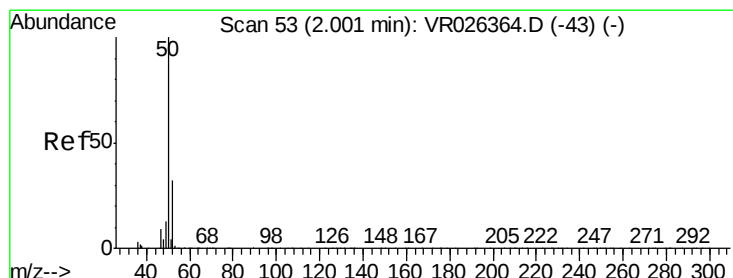
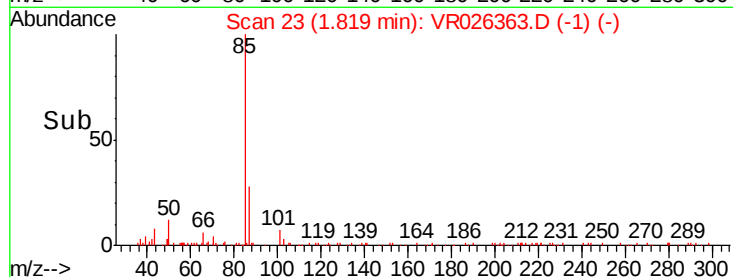
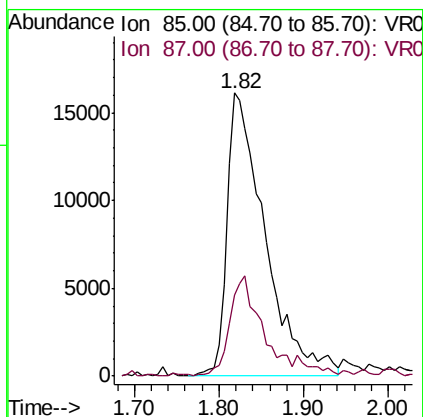
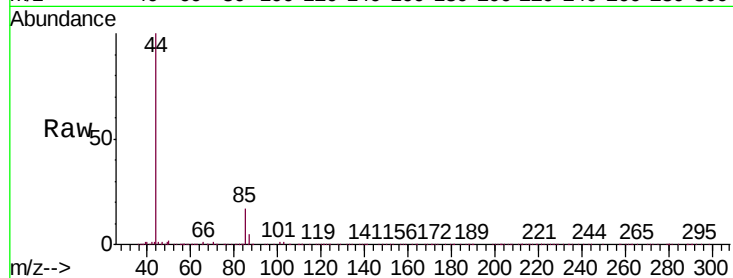
VSTD00182

Tgt Ion: 85 Resp: 49472

Ion Ratio Lower Upper

85 100

87 29.3 26.6 40.0



#3

Chloromethane

Concen: 1.224 ug/L

RT: 2.00 min Scan# 53

Delta R.T. 0.00 min

Lab File: VR026363.D

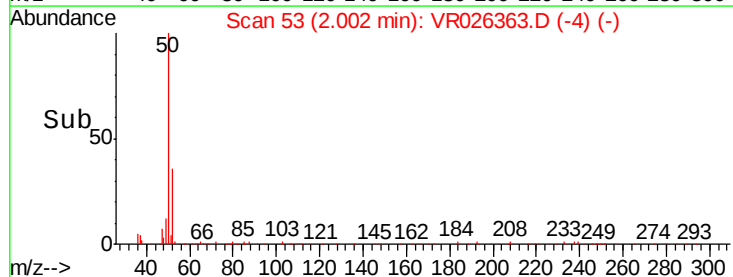
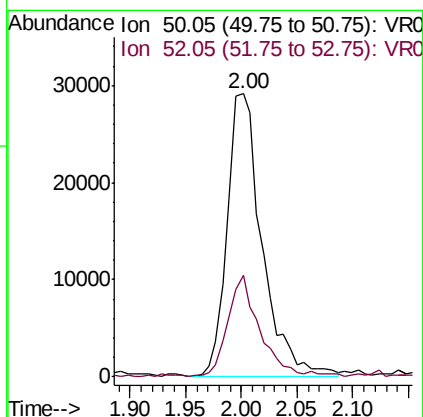
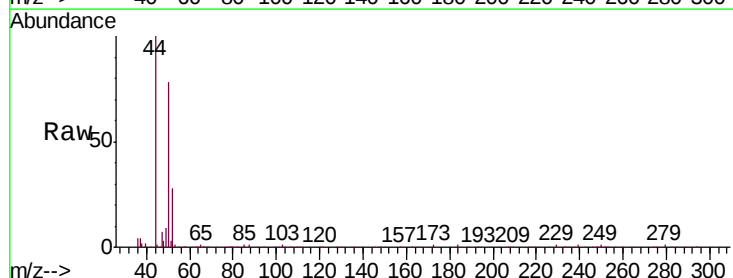
Acq: 22 Feb 2019 15:09

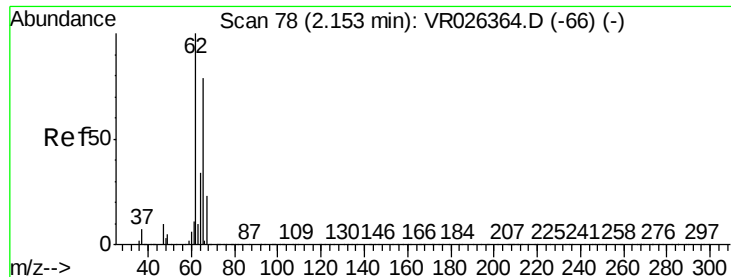
Tgt Ion: 50 Resp: 63580

Ion Ratio Lower Upper

50 100

52 35.9 22.7 42.3





#5

Vinyl chloride

Concen: 1.242 ug/L

RT: 2.14 min Scan# 76

Delta R.T. -0.01 min

Lab File: VR026363.D

Acq: 22 Feb 2019 15:09

Instrument :

MSVOA_R

ClientSampled :

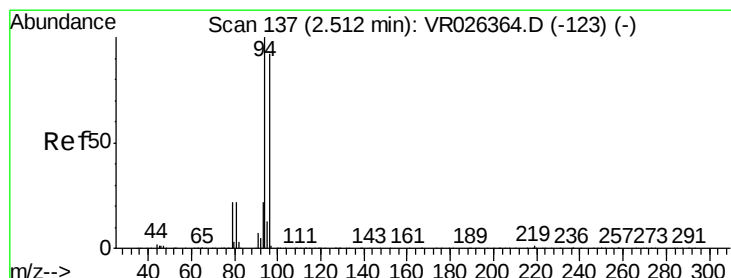
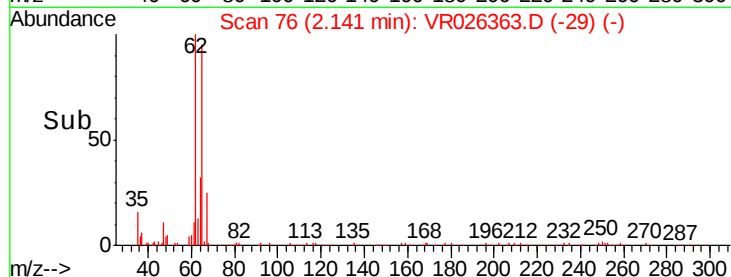
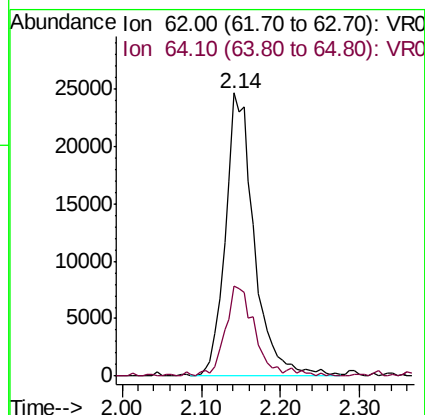
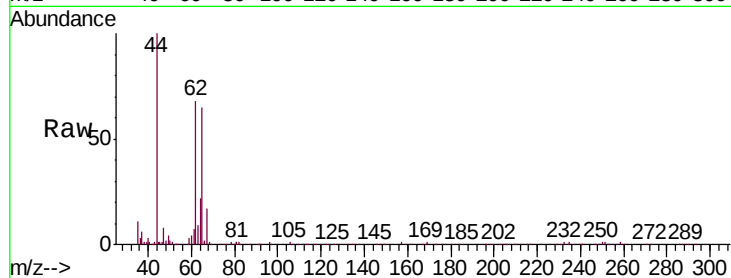
VSTD00182

Tgt Ion: 62 Resp: 61780

Ion Ratio Lower Upper

62 100

64 31.9 24.1 44.7



#6

Bromomethane

Concen: 1.053 ug/L

RT: 2.51 min Scan# 137

Delta R.T. 0.00 min

Lab File: VR026363.D

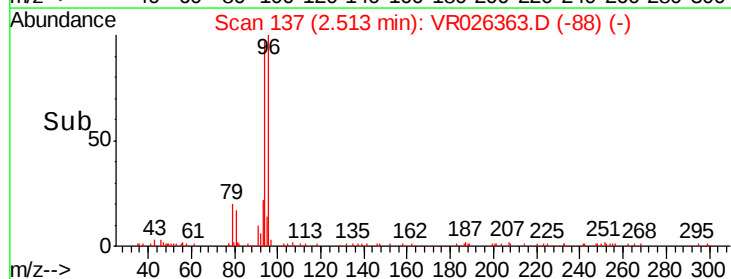
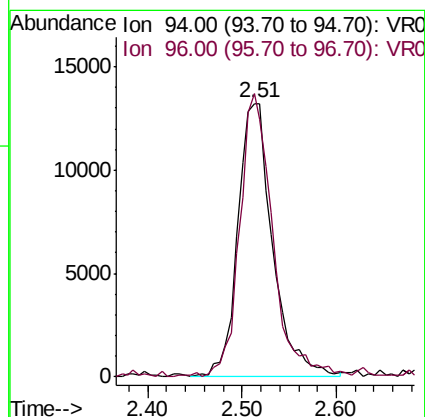
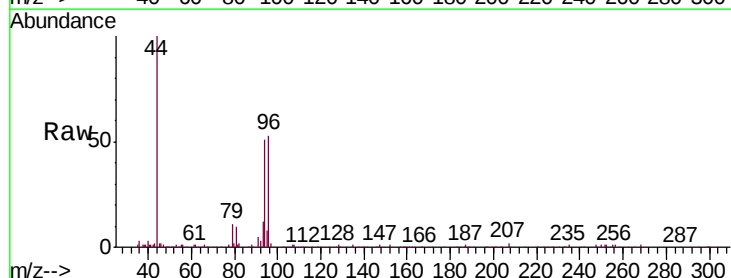
Acq: 22 Feb 2019 15:09

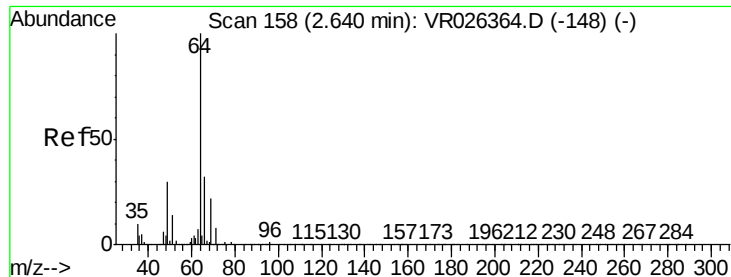
Tgt Ion: 94 Resp: 34165

Ion Ratio Lower Upper

94 100

96 103.4 64.3 119.3

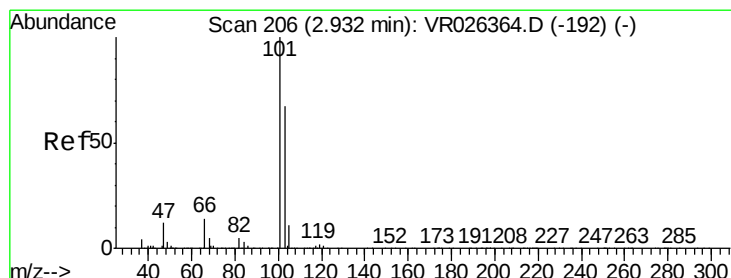
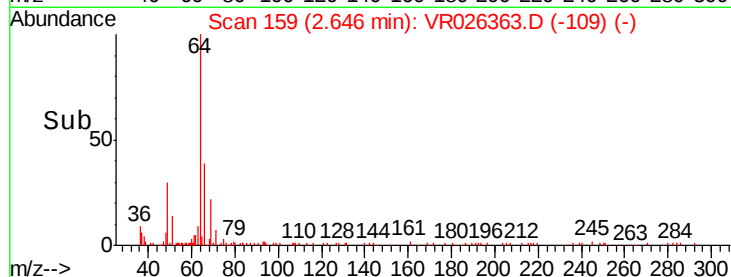
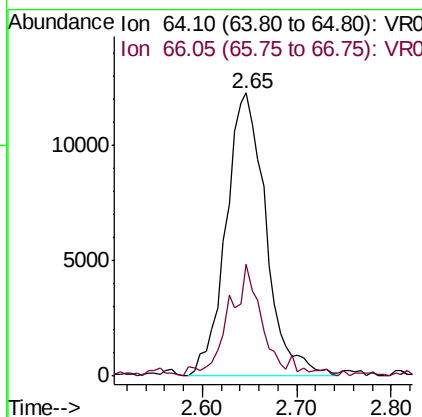
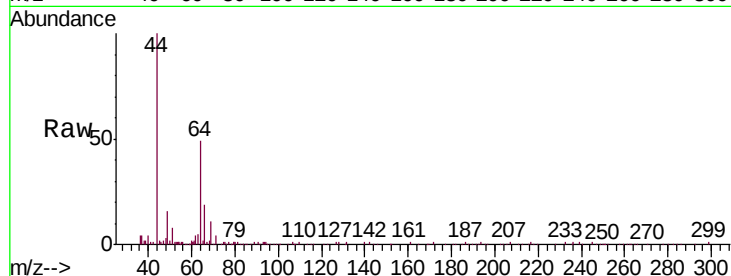




#8
Chloroethane
Concen: 1.172 ug/L
RT: 2.65 min Scan# 159
Delta R.T. 0.01 min
Lab File: VR026363.D
Acq: 22 Feb 2019 15:09

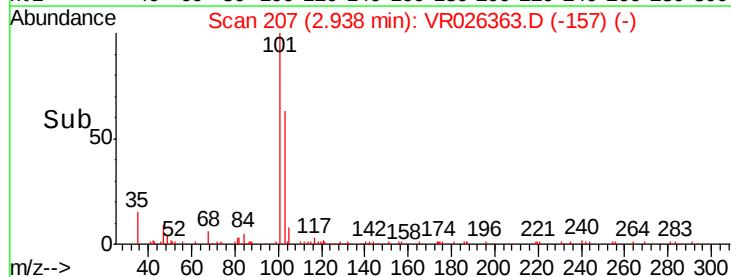
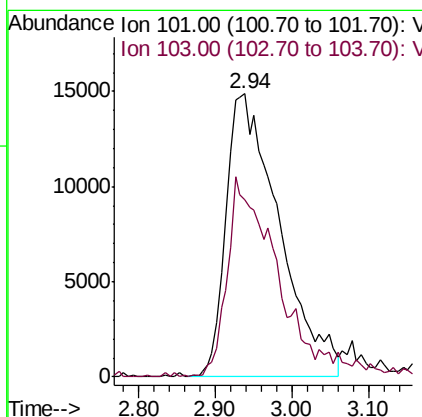
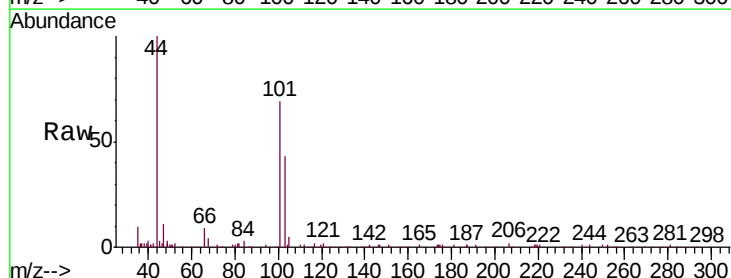
Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

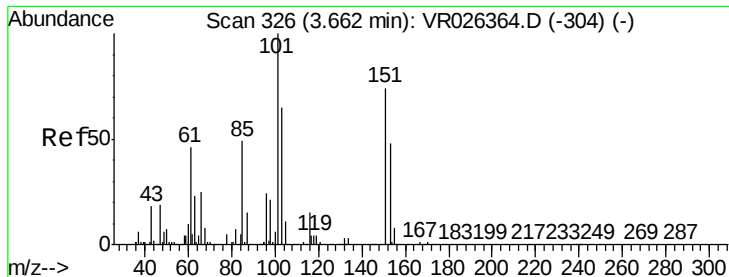
Tgt Ion: 64 Resp: 36142
Ion Ratio Lower Upper
64 100
66 39.3 22.6 42.0



#9
Trichlorofluoromethane
Concen: 0.930 ug/L
RT: 2.94 min Scan# 207
Delta R.T. 0.01 min
Lab File: VR026363.D
Acq: 22 Feb 2019 15:09

Tgt Ion: 101 Resp: 71733
Ion Ratio Lower Upper
101 100
103 61.9 52.6 78.8





#10

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

Concen: 1.108 ug/L

RT: 3.66 min Scan# 326

Delta R.T. 0.00 min

Lab File: VR026363.D

Acq: 22 Feb 2019 15:09

Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

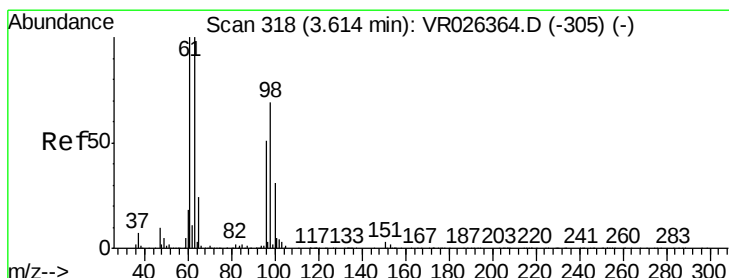
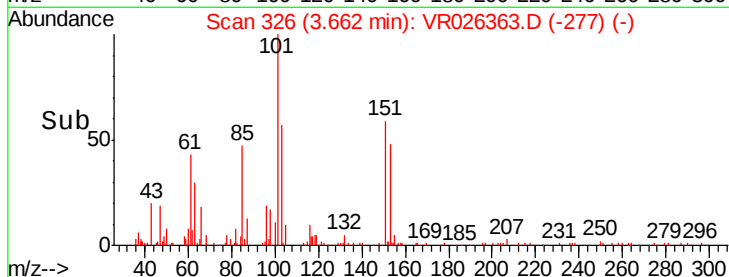
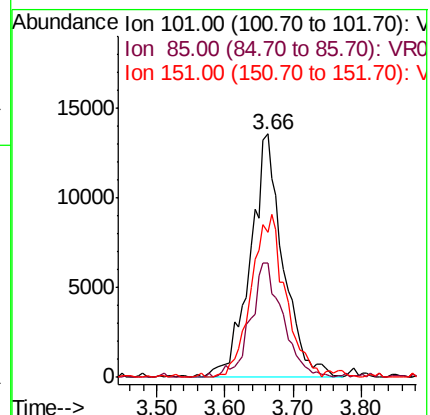
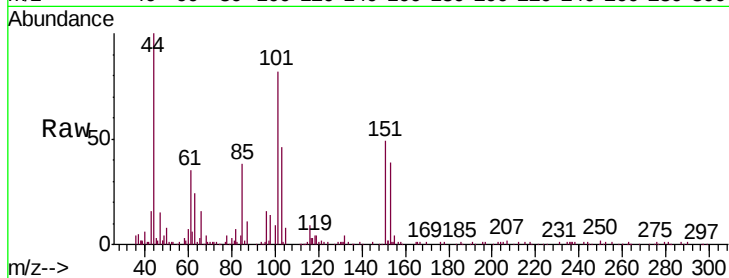
Tgt Ion: 101 Resp: 45340

Ion Ratio Lower Upper

101 100

85 46.2 39.8 59.8

151 69.6 60.8 91.2



#12

1,1-Dichloroethene

Concen: 1.136 ug/L

RT: 3.62 min Scan# 319

Delta R.T. 0.01 min

Lab File: VR026363.D

Acq: 22 Feb 2019 15:09

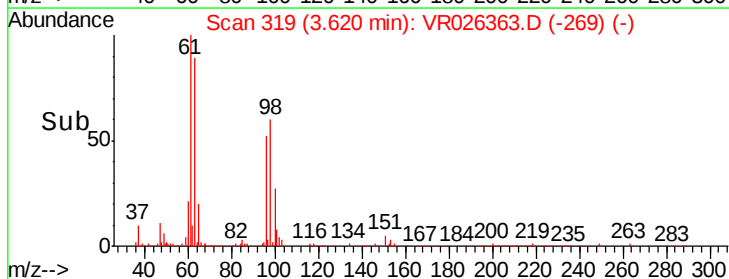
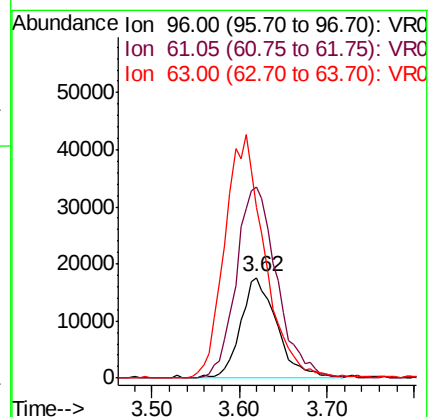
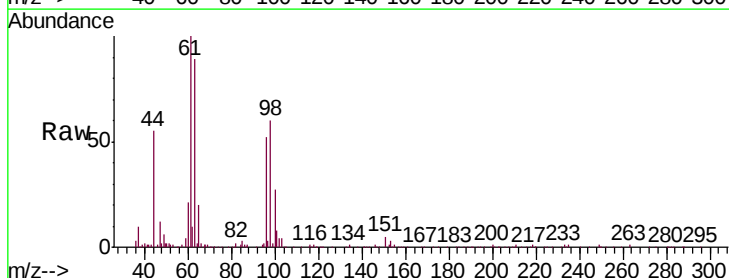
Tgt Ion: 96 Resp: 50912

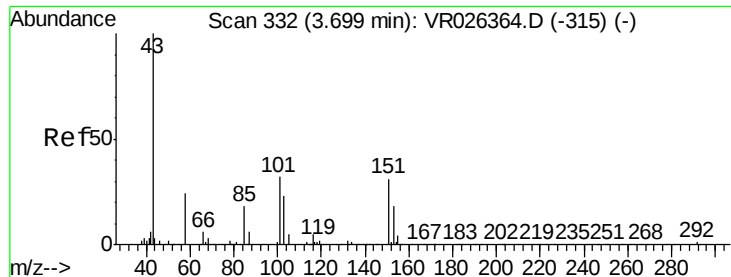
Ion Ratio Lower Upper

96 100

61 190.6 135.9 252.5

63 170.1 136.6 253.6





#13

Acetone

Concen: 11.933 ug/L

RT: 3.69 min Scan# 331

Delta R.T. -0.01 min

Lab File: VR026363.D

Acq: 22 Feb 2019 15:09

Instrument :

MSVOA_R

ClientSampleId :

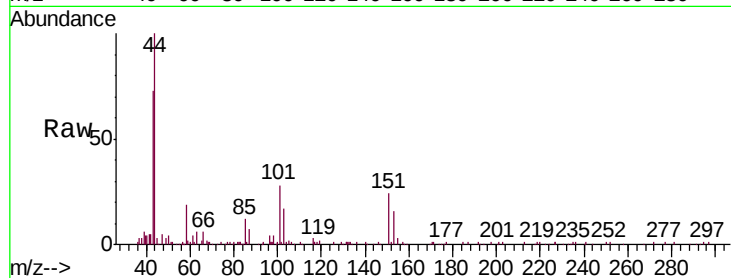
VSTD00182

Tgt Ion: 43 Resp: 38821

Ion Ratio Lower Upper

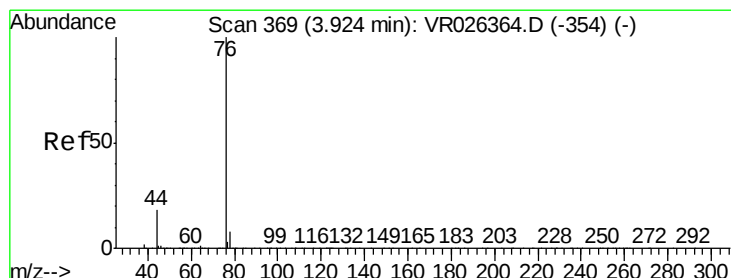
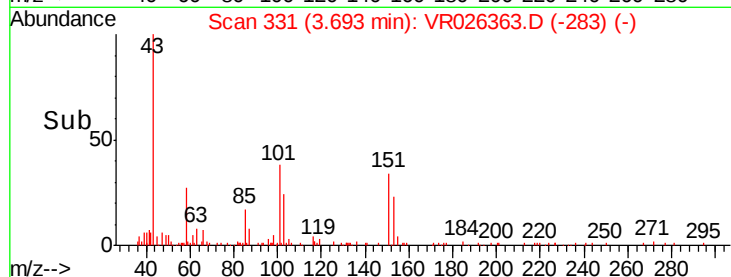
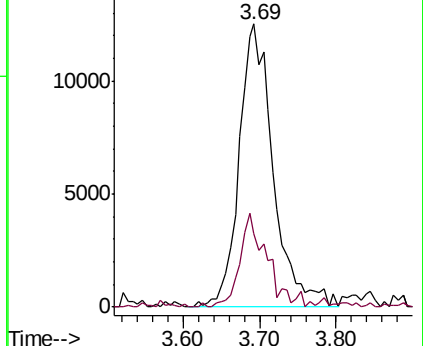
43 100

58 25.6 0.0 52.2



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#14

Carbon disulfide

Concen: 1.106 ug/L

RT: 3.93 min Scan# 370

Delta R.T. 0.01 min

Lab File: VR026363.D

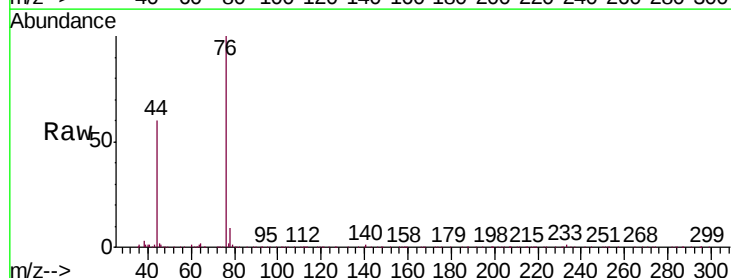
Acq: 22 Feb 2019 15:09

Tgt Ion: 76 Resp: 155228

Ion Ratio Lower Upper

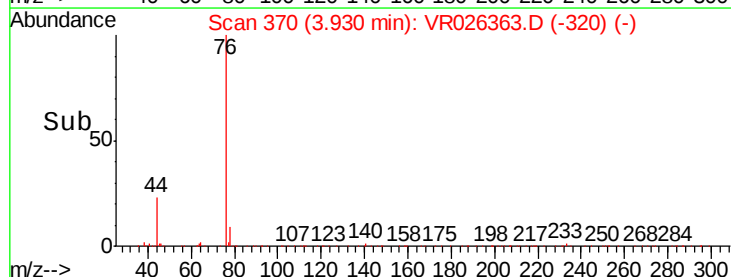
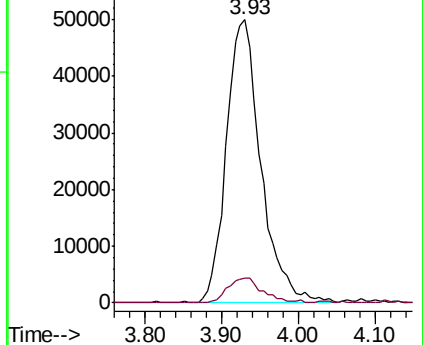
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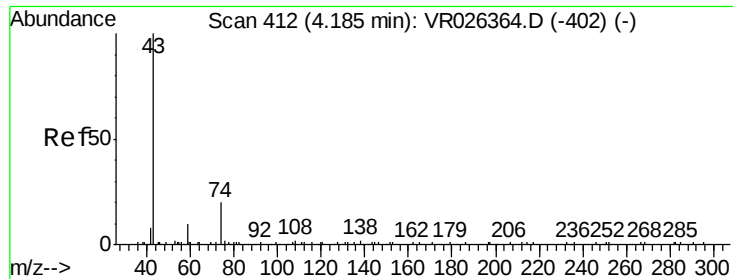
78 8.9 6.7 10.1



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

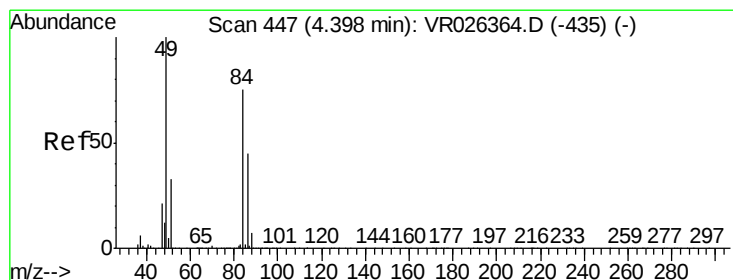
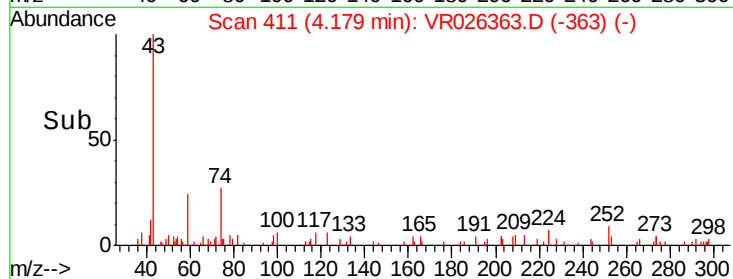
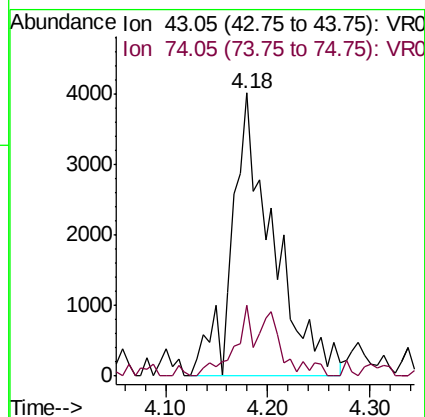
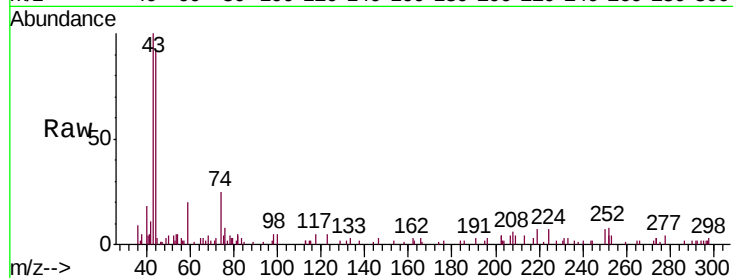




#15
Methyl Acetate
Concen: 1.219 ug/L
RT: 4.18 min Scan# 411
Delta R.T. -0.01 min
Lab File: VR026363.D
Acq: 22 Feb 2019 15:09

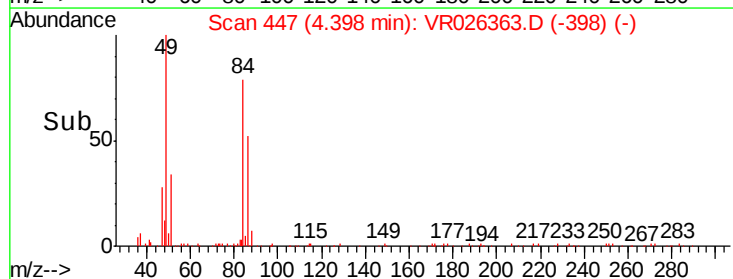
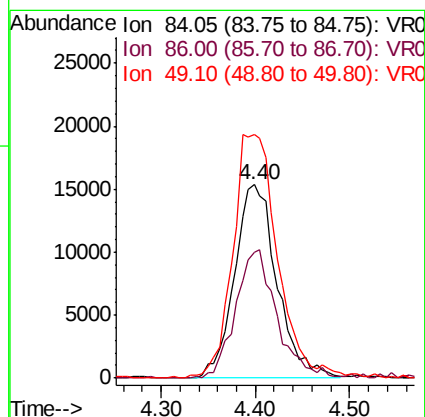
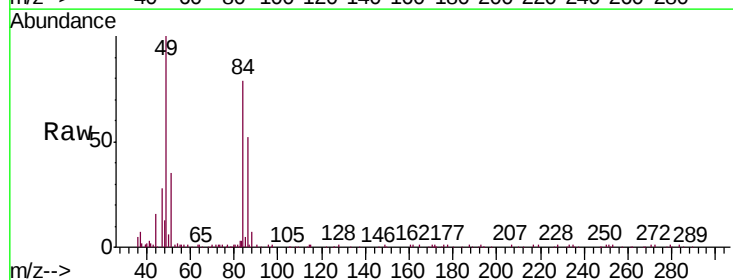
Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

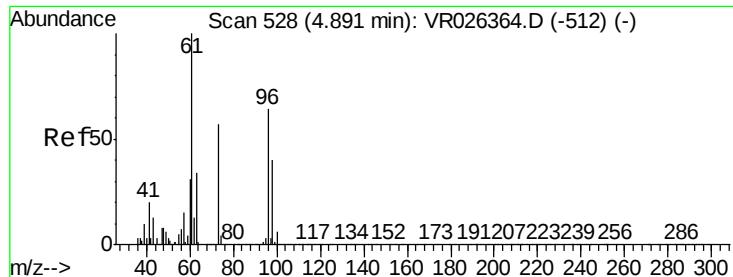
Tgt Ion: 43 Resp: 11149
Ion Ratio Lower Upper
43 100
74 10.3 16.6 25.0#



#16
Methylene chloride
Concen: 1.168 ug/L
RT: 4.40 min Scan# 447
Delta R.T. 0.00 min
Lab File: VR026363.D
Acq: 22 Feb 2019 15:09

Tgt Ion: 84 Resp: 48189
Ion Ratio Lower Upper
84 100
86 65.2 42.1 78.3
49 126.0 93.8 174.2



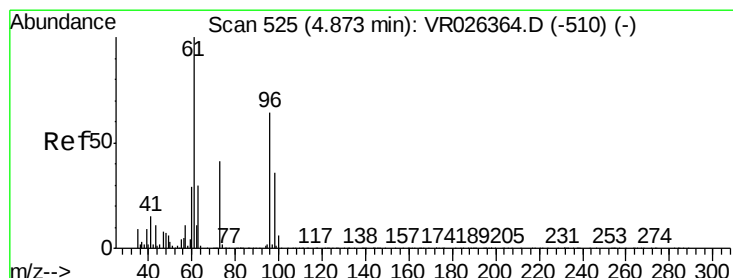
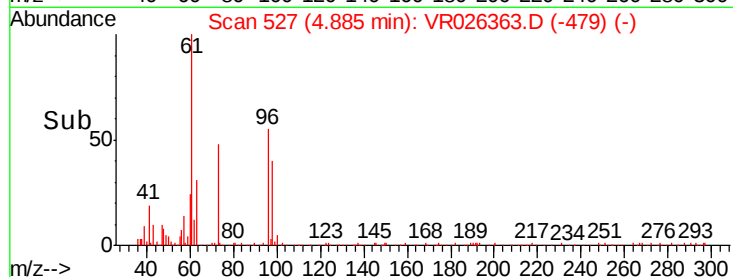
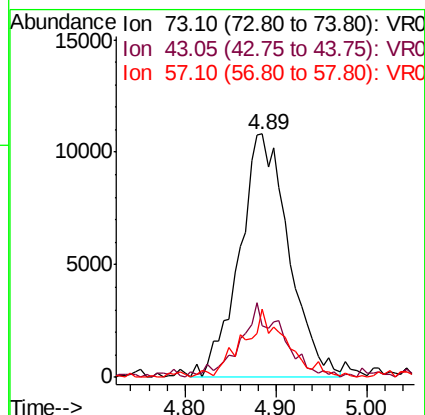
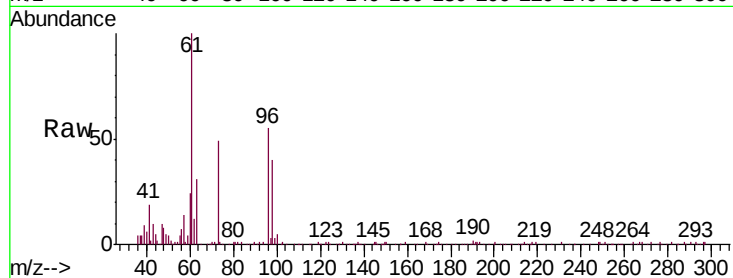


#17

Methyl tert-butyl Ether
 Concen: 0.940 ug/L
 RT: 4.89 min Scan# 527
 Delta R.T. -0.01 min
 Lab File: VR026363.D
 Acq: 22 Feb 2019 15:09

Instrument :
 MSVOA_R
 ClientSampleID :
 VSTD00182

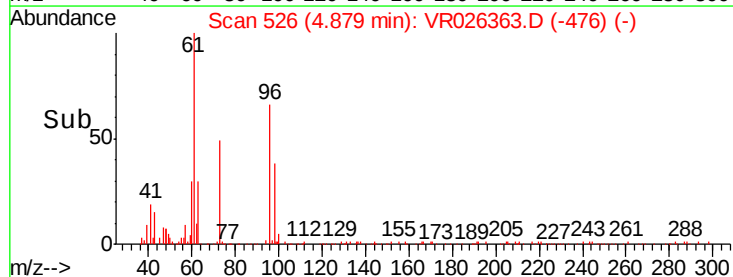
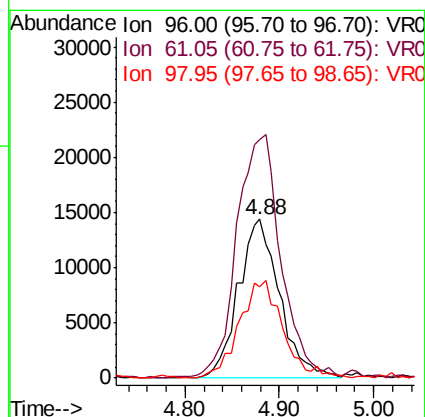
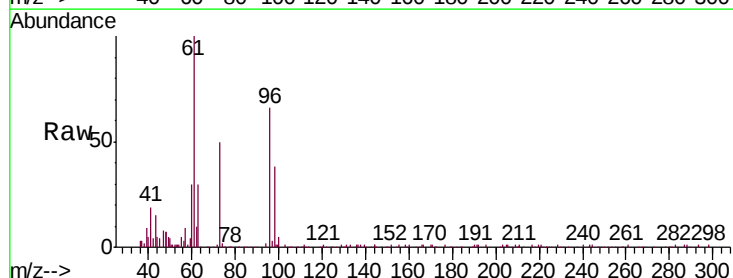
Tgt Ion	Ratio	Lower	Upper
73	100		
43	16.4	19.4	29.2#
57	21.5	19.4	29.0

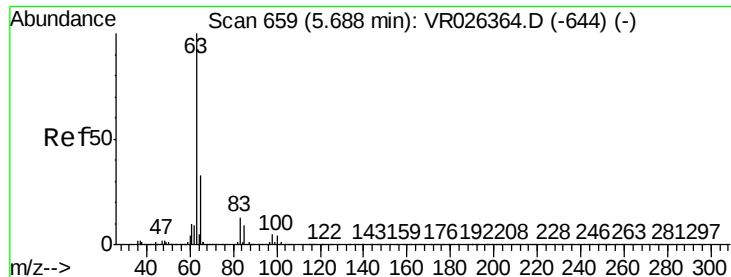


#18

trans-1,2-Dichloroethene
 Concen: 1.050 ug/L
 RT: 4.88 min Scan# 526
 Delta R.T. 0.01 min
 Lab File: VR026363.D
 Acq: 22 Feb 2019 15:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.5	109.4	203.2
98	57.6	39.7	73.7





#19

1,1-Dichloroethane

Concen: 1.074 ug/L

RT: 5.68 min Scan# 658

Delta R.T. -0.01 min

Lab File: VR026363.D

Acq: 22 Feb 2019 15:09

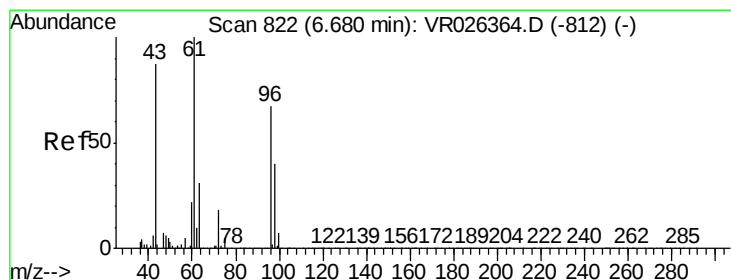
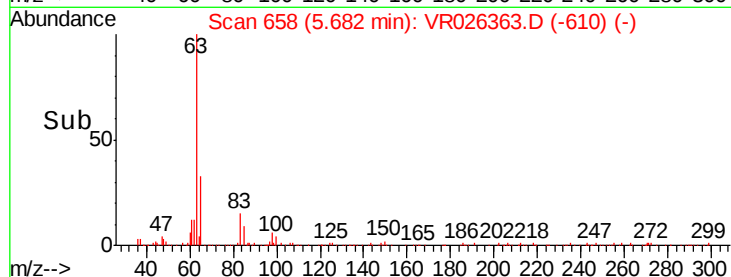
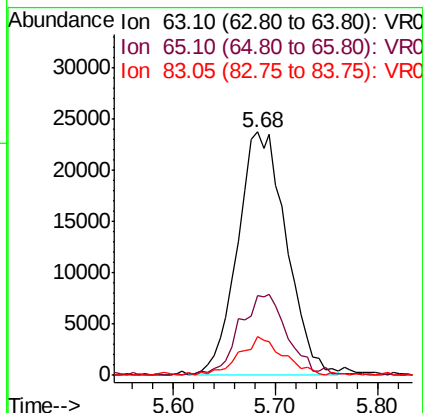
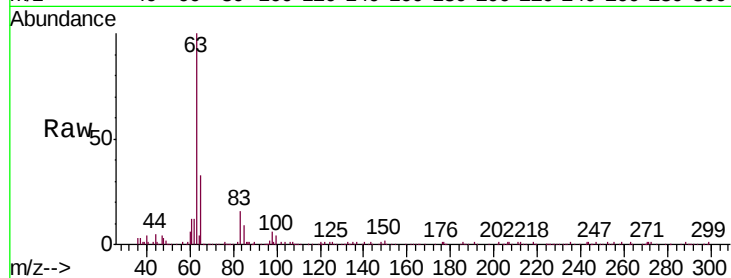
Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

Tgt Ion:	63	Resp:	78289
Ion	Ratio	Lower	Upper
63	100		
65	32.8	23.6	43.8
83	15.7	8.8	16.4



#21

2-Butanone

Concen: 9.607 ug/L

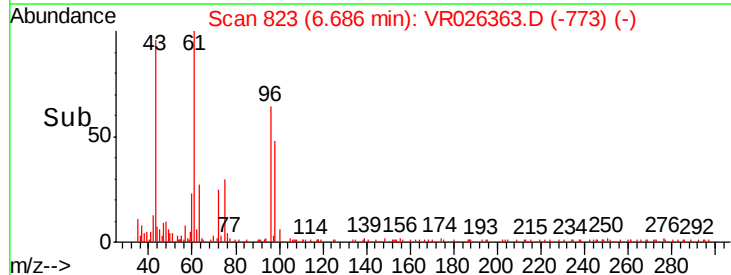
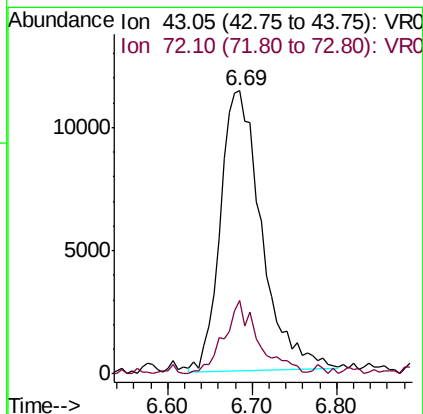
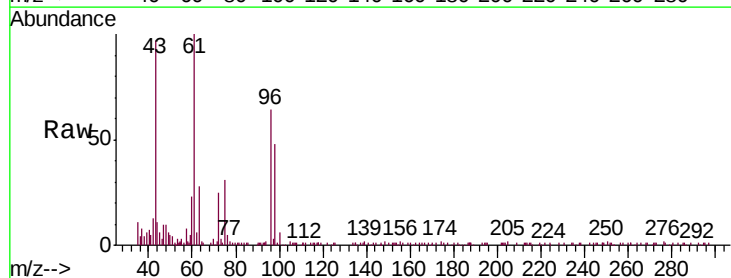
RT: 6.69 min Scan# 823

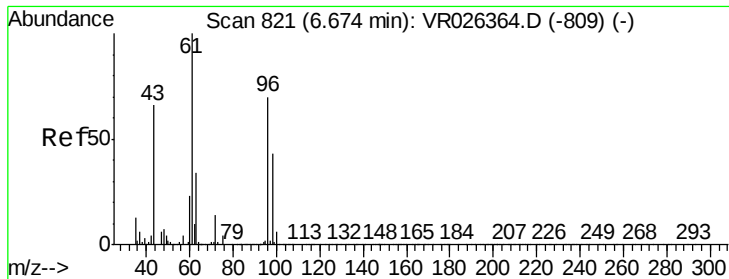
Delta R.T. 0.01 min

Lab File: VR026363.D

Acq: 22 Feb 2019 15:09

Tgt Ion:	43	Resp:	37672
Ion	Ratio	Lower	Upper
43	100		
72	22.2	10.8	32.4



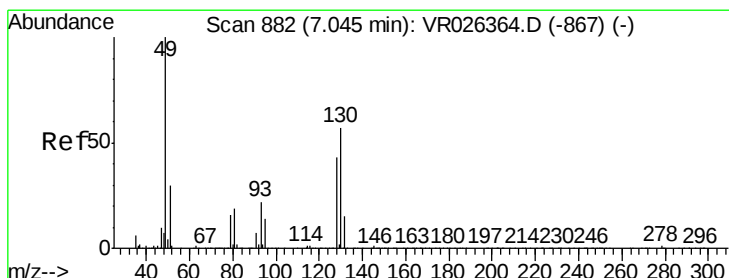
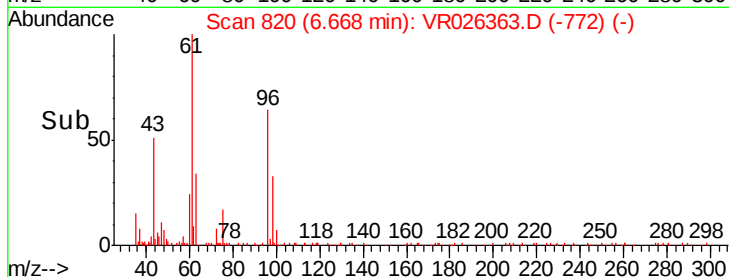
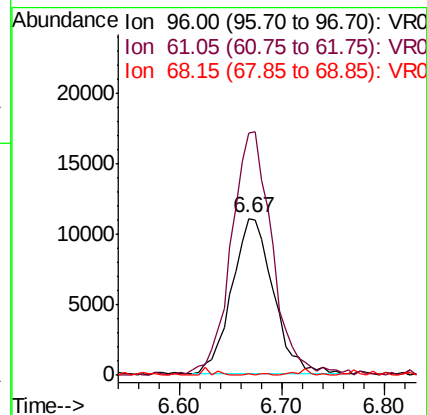
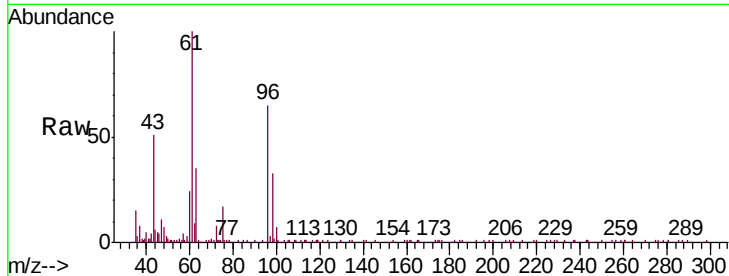


#22

cis-1,2-Dichloroethene
Concen: 0.885 ug/L
RT: 6.67 min Scan# 820
Delta R.T. -0.01 min
Lab File: VR026363.D
Acq: 22 Feb 2019 15:09

Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

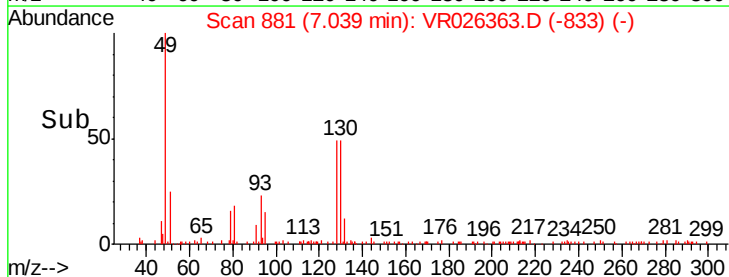
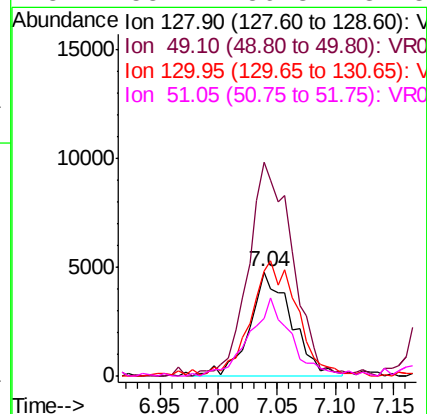
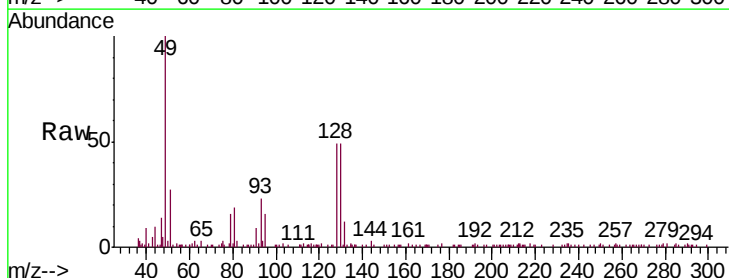
Tgt Ion: 96 Resp: 31257
Ion Ratio Lower Upper
96 100
61 154.1 100.8 187.2
68 0.8 0.1 0.1#

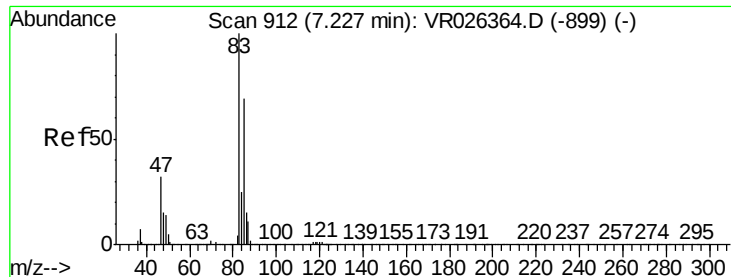


#23

Bromochloromethane
Concen: 1.104 ug/L
RT: 7.04 min Scan# 881
Delta R.T. -0.01 min
Lab File: VR026363.D
Acq: 22 Feb 2019 15:09

Tgt Ion: 128 Resp: 11817
Ion Ratio Lower Upper
128 100
49 205.8 161.6 300.0
130 101.7 92.3 171.5
51 55.7 56.3 84.5#

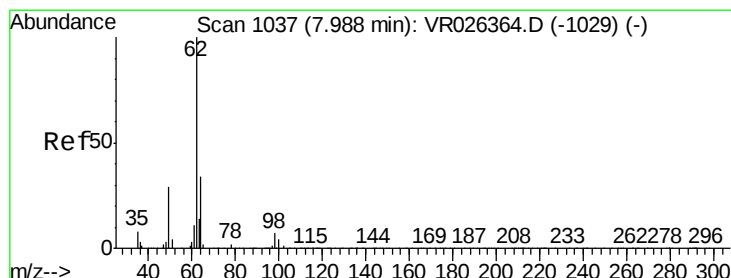
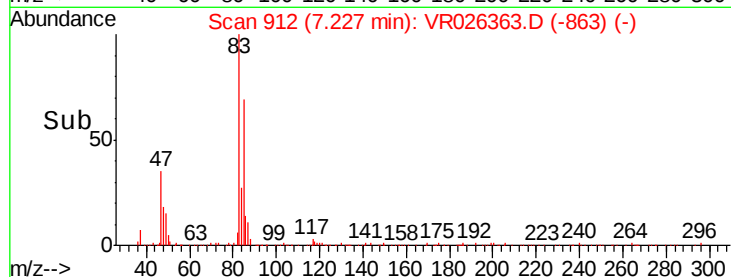
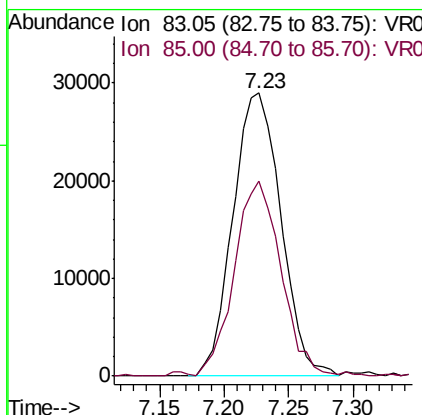
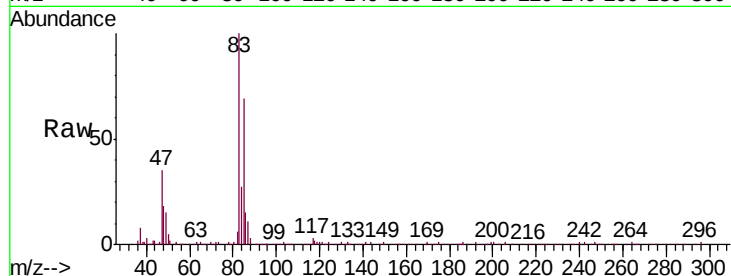




#25
Chloroform
Concen: 1.046 ug/L
RT: 7.23 min Scan# 912
Delta R.T. 0.00 min
Lab File: VR026363.D
Acq: 22 Feb 2019 15:09

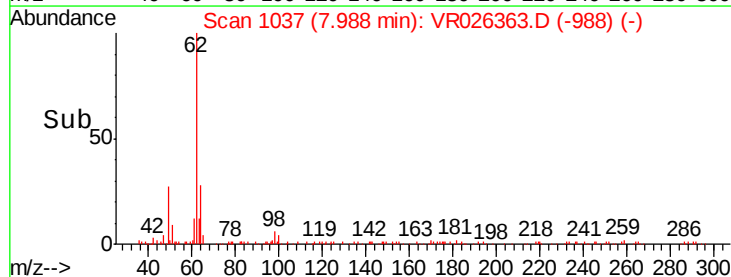
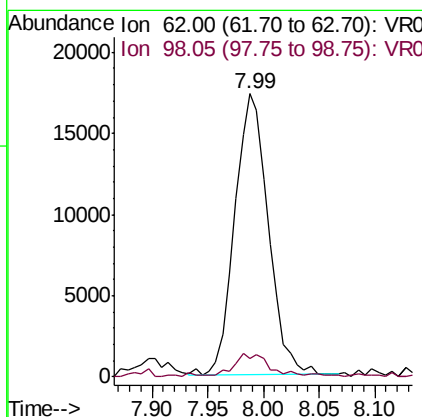
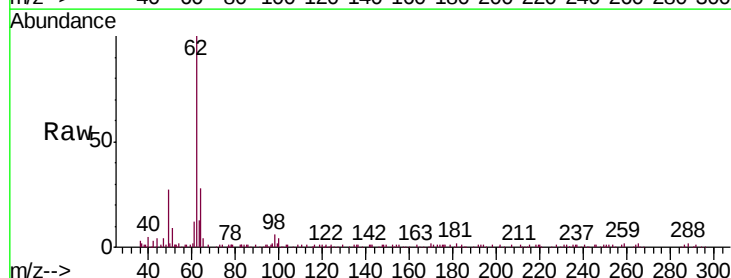
Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

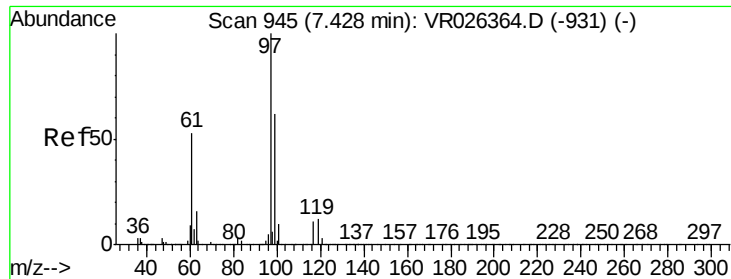
Tgt Ion: 83 Resp: 74905
Ion Ratio Lower Upper
83 100
85 68.9 48.6 90.2



#27
1,2-Dichloroethane
Concen: 1.126 ug/L
RT: 7.99 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VR026363.D
Acq: 22 Feb 2019 15:09

Tgt Ion: 62 Resp: 36298
Ion Ratio Lower Upper
62 100
98 6.3 5.7 8.5

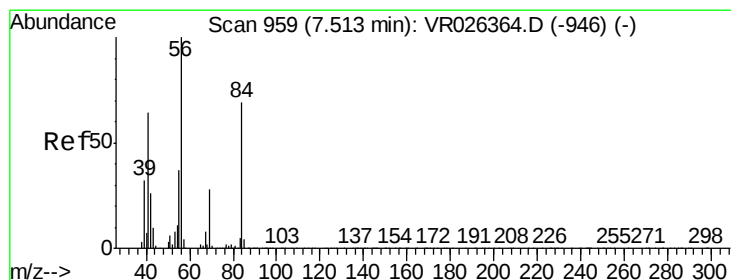
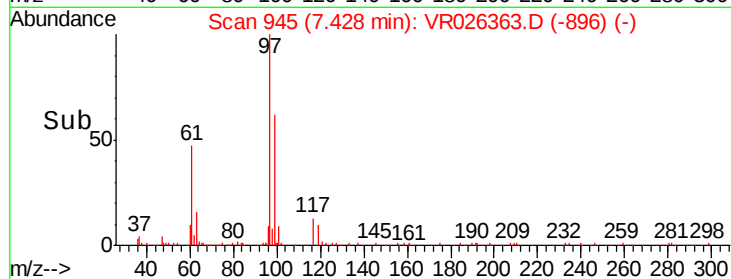
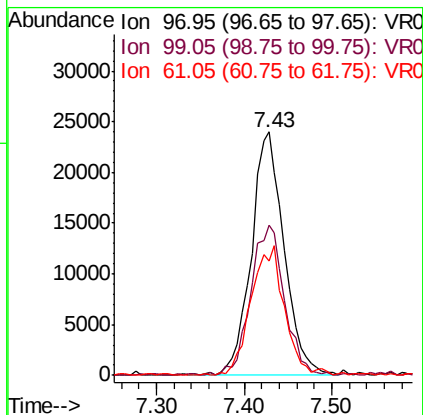
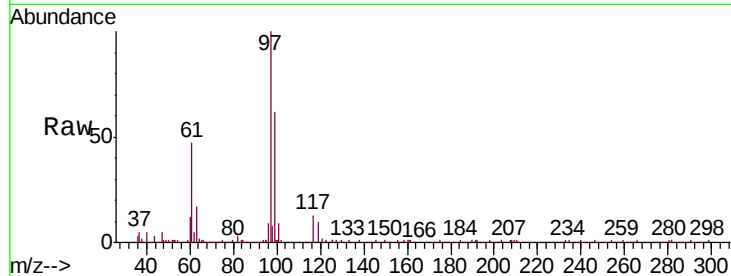




#29
1,1,1-Trichloroethane
Concen: 1.025 ug/L
RT: 7.43 min Scan# 945
Delta R.T. 0.00 min
Lab File: VR026363.D
Acq: 22 Feb 2019 15:09

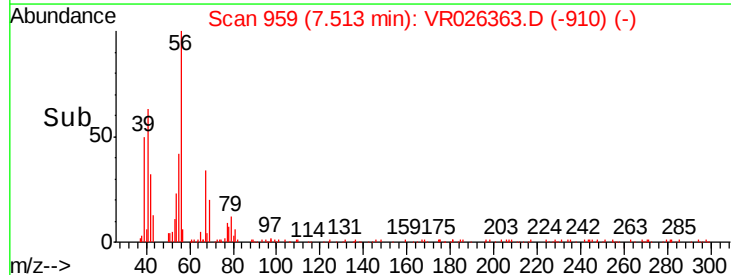
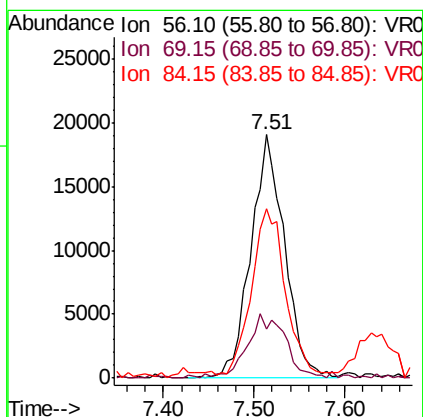
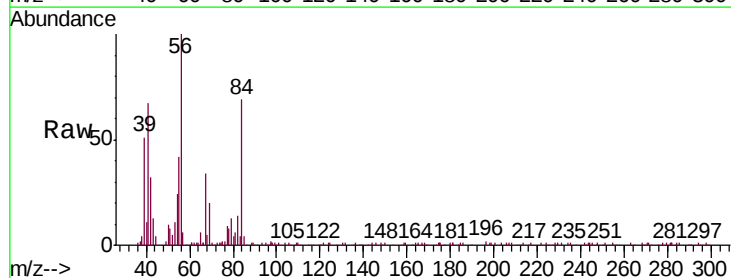
Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

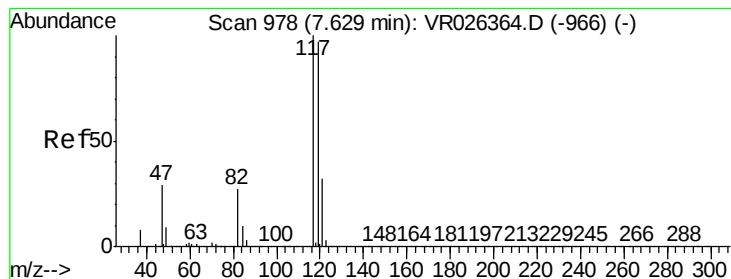
Tgt Ion: 97 Resp: 62158
Ion Ratio Lower Upper
97 100
99 63.6 51.6 77.4
61 53.6 41.8 62.6



#30
Cyclohexane
Concen: 0.989 ug/L
RT: 7.51 min Scan# 959
Delta R.T. 0.00 min
Lab File: VR026363.D
Acq: 22 Feb 2019 15:09

Tgt Ion: 56 Resp: 48830
Ion Ratio Lower Upper
56 100
69 29.5 22.6 34.0
84 70.7 58.2 87.2





#31

Carbon tetrachloride

Concen: 1.081 ug/L

RT: 7.63 min Scan# 979

Delta R.T. 0.01 min

Lab File: VR026363.D

Acq: 22 Feb 2019 15:09

Instrument :

MSVOA_R

ClientSampleID :

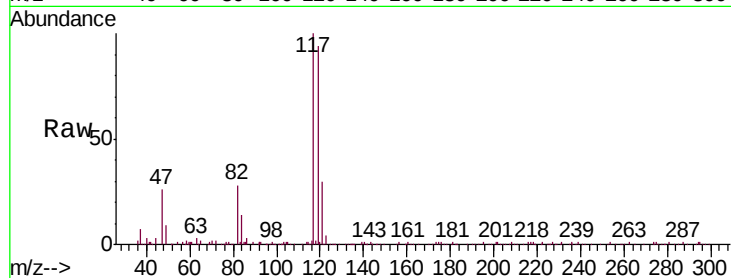
VSTD00182

Tgt Ion:117 Resp: 60234

Ion Ratio Lower Upper

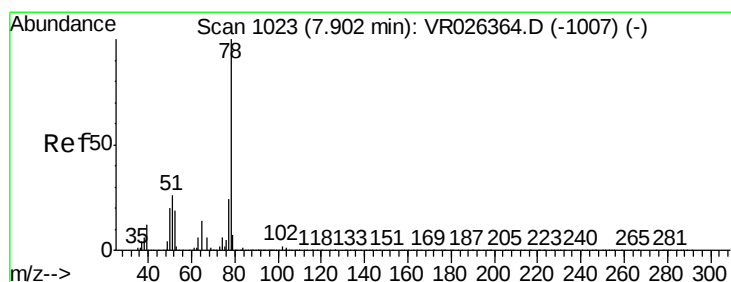
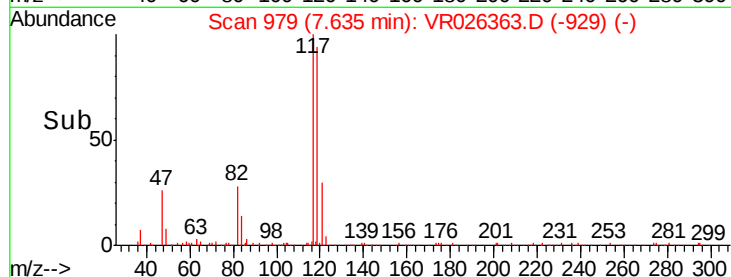
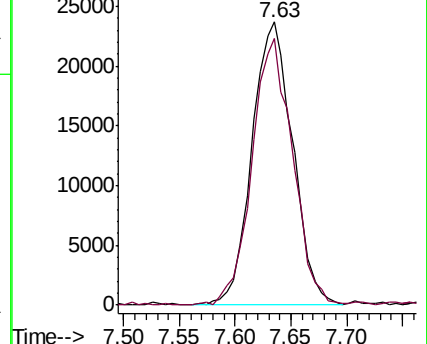
117 100

119 94.1 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 1.096 ug/L

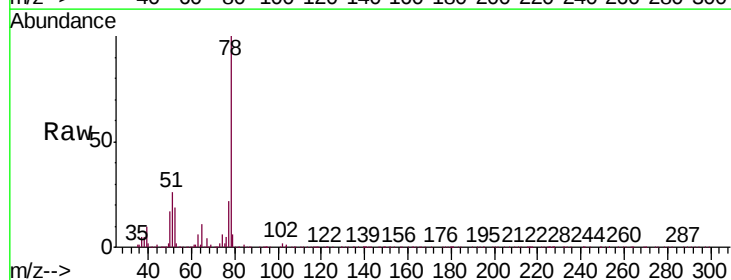
RT: 7.91 min Scan# 1024

Delta R.T. 0.01 min

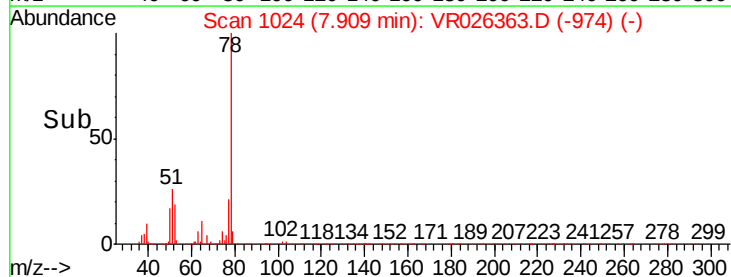
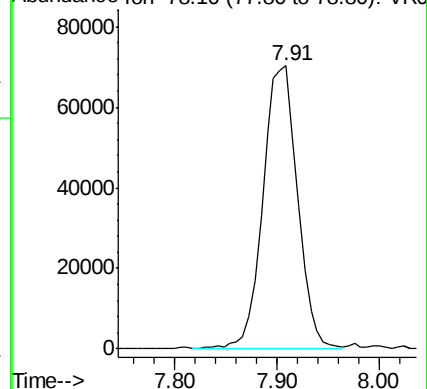
Lab File: VR026363.D

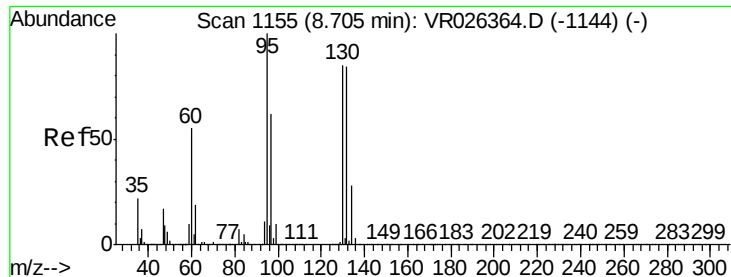
Acq: 22 Feb 2019 15:09

Tgt Ion: 78 Resp: 164354



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 1.075 ug/L

RT: 8.71 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VR026363.D

Acq: 22 Feb 2019 15:09

Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

Tgt Ion: 95 Resp: 40920

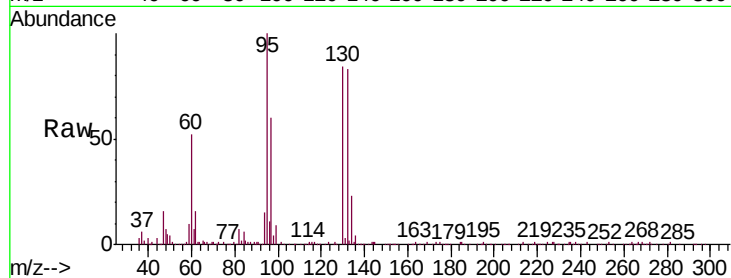
Ion Ratio Lower Upper

95 100

97 60.0 43.5 80.7

132 82.6 58.6 108.8

130 83.7 59.4 110.2

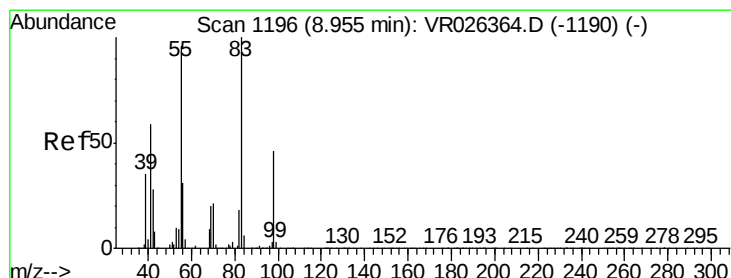
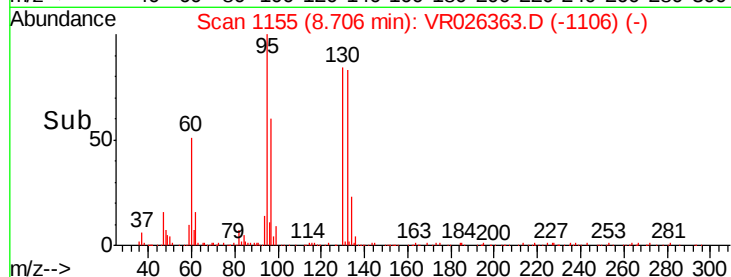
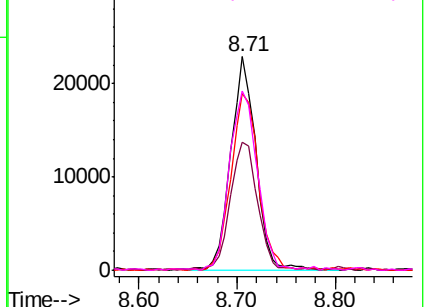


Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 1.038 ug/L

RT: 8.96 min Scan# 1196

Delta R.T. 0.00 min

Lab File: VR026363.D

Acq: 22 Feb 2019 15:09

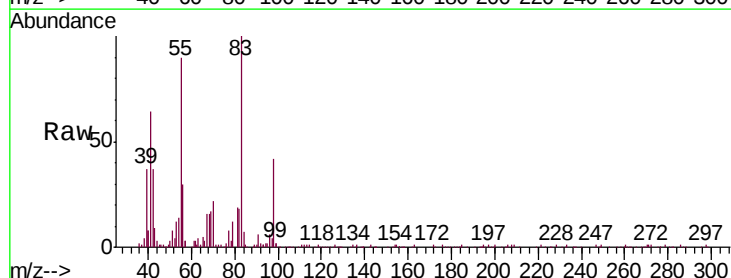
Tgt Ion: 83 Resp: 52771

Ion Ratio Lower Upper

83 100

55 88.5 72.2 108.2

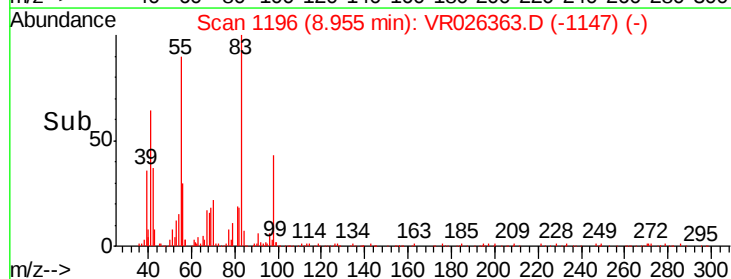
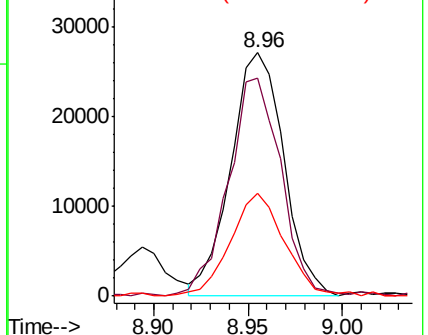
98 42.6 35.0 52.4

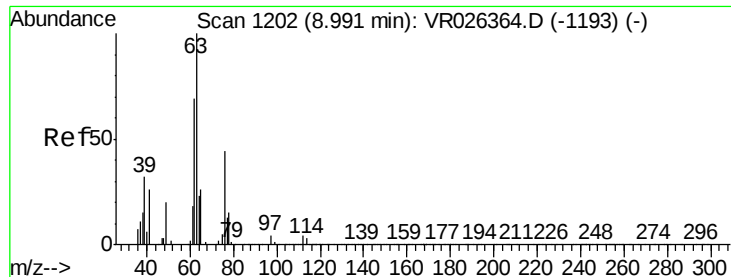


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

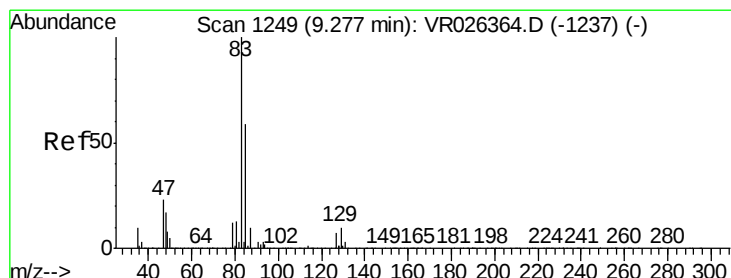
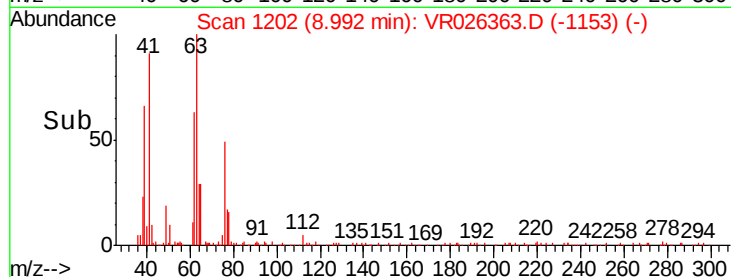
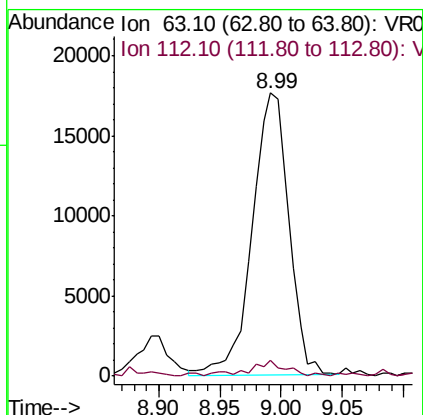
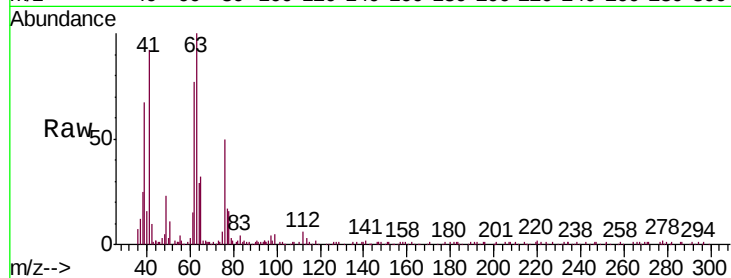




#37
 1,2-Dichloropropane
 Concen: 1.123 ug/L
 RT: 8.99 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VR026363.D
 Acq: 22 Feb 2019 15:09

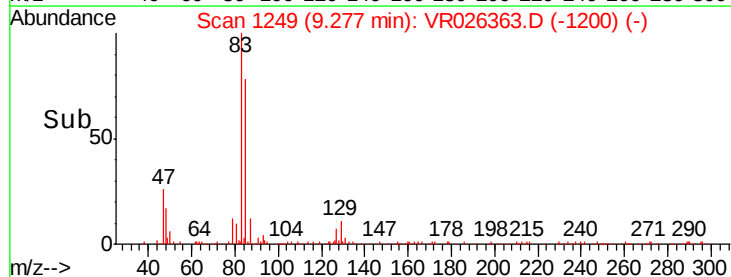
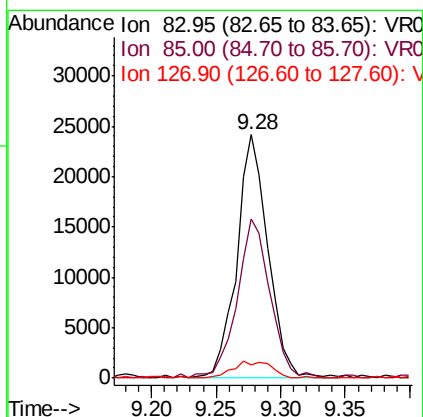
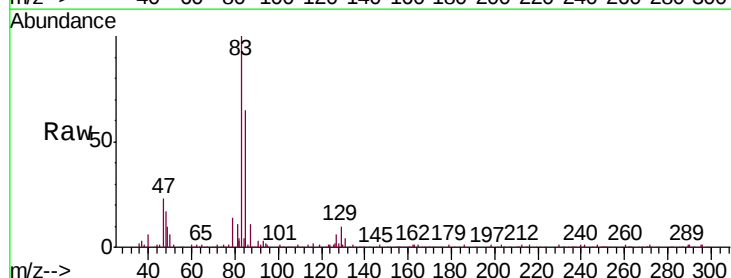
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00182

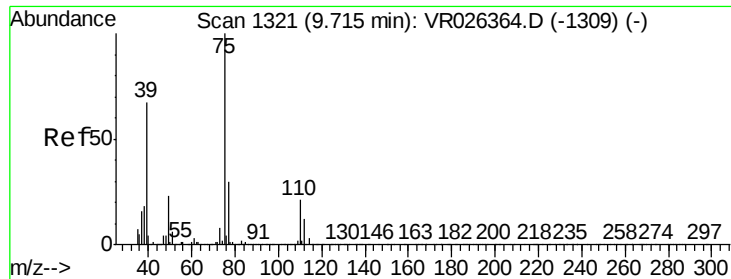
Tgt Ion: 63 Resp: 36698
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.6 5.4



#38
 Bromodichloromethane
 Concen: 1.090 ug/L
 RT: 9.28 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VR026363.D
 Acq: 22 Feb 2019 15:09

Tgt Ion: 83 Resp: 39926
 Ion Ratio Lower Upper
 83 100
 85 65.4 41.0 76.2
 127 5.7 5.5 8.3





#39

cis-1,3-Dichloropropene

Concen: 0.865 ug/L

RT: 9.72 min Scan# 1321

Delta R.T. 0.00 min

Lab File: VR026363.D

Acq: 22 Feb 2019 15:09

Instrument :

MSVOA_R

ClientSampleId :

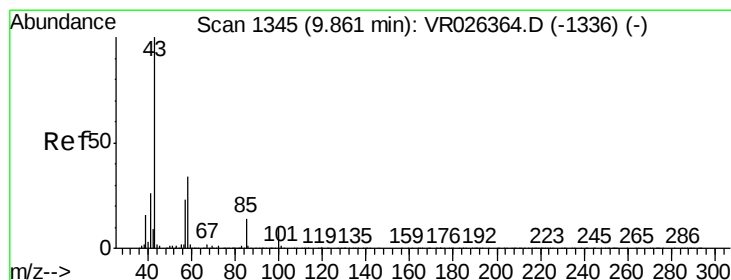
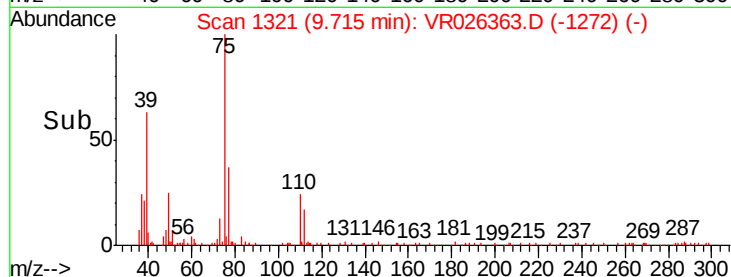
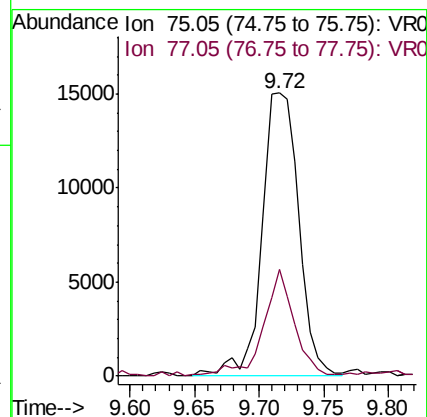
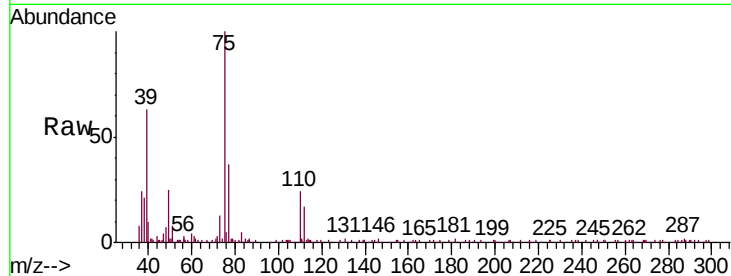
VSTD00182

Tgt Ion: 75 Resp: 29762

Ion Ratio Lower Upper

75 100

77 37.5 21.3 39.6



#40

4-Methyl-2-pentanone

Concen: 9.025 ug/L

RT: 9.87 min Scan# 1346

Delta R.T. 0.01 min

Lab File: VR026363.D

Acq: 22 Feb 2019 15:09

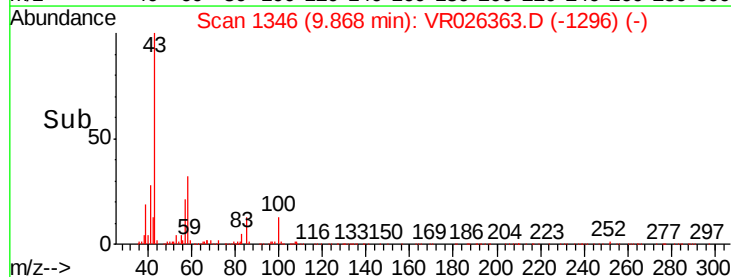
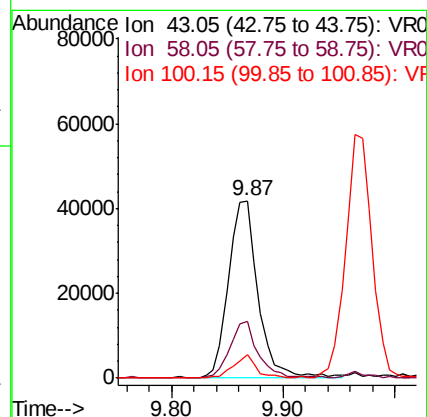
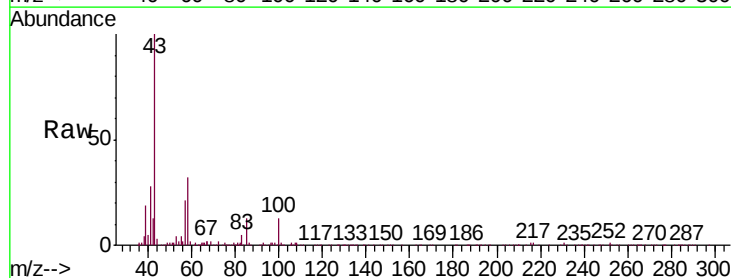
Tgt Ion: 43 Resp: 76872

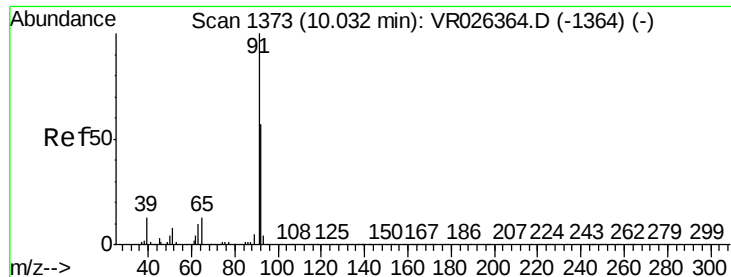
Ion Ratio Lower Upper

43 100

58 30.4 26.7 40.1

100 10.4 8.4 12.6





#42

Toluene

Concen: 1.072 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. 0.00 min

Lab File: VR026363.D

Acq: 22 Feb 2019 15:09

Instrument :

MSVOA_R

ClientSampleId :

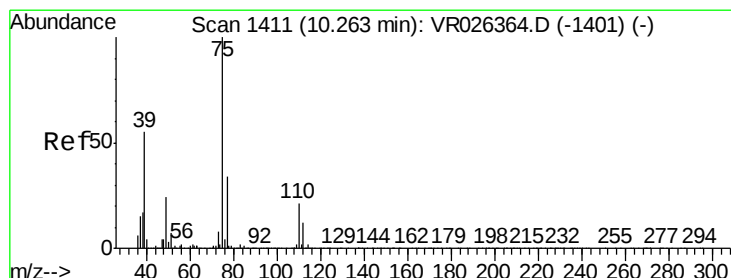
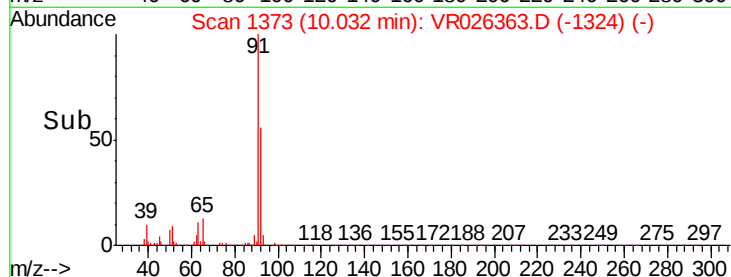
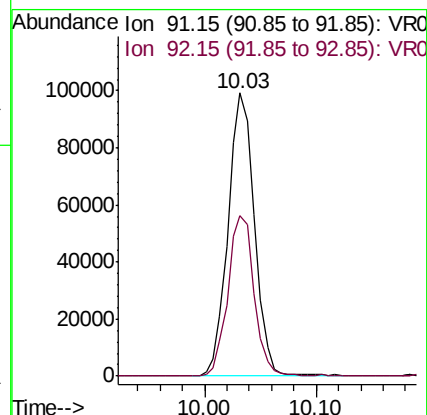
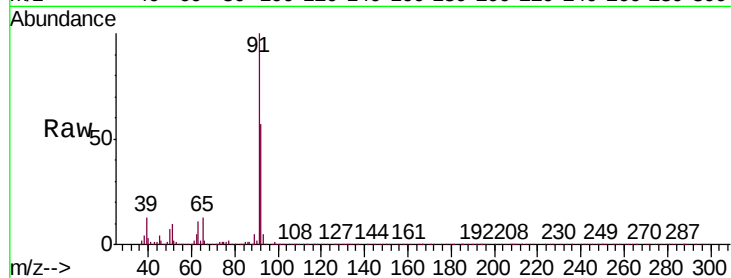
VSTD00182

Tgt Ion: 91 Resp: 162660

Ion Ratio Lower Upper

91 100

92 56.6 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 0.928 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR026363.D

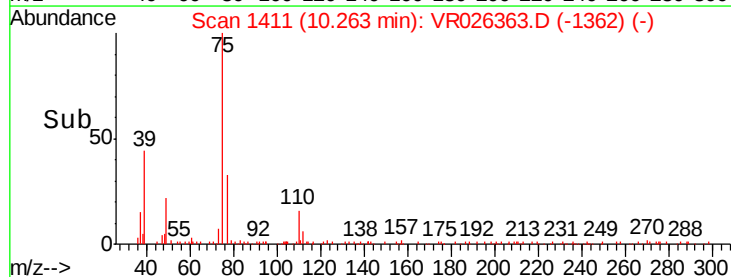
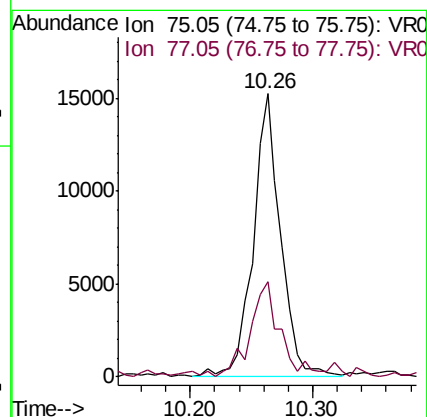
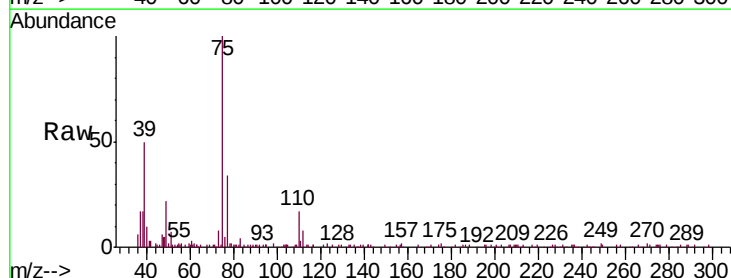
Acq: 22 Feb 2019 15:09

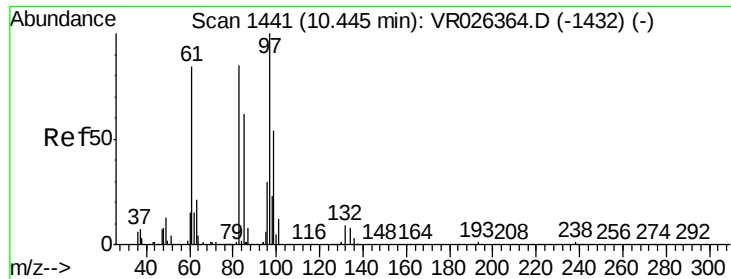
Tgt Ion: 75 Resp: 23624

Ion Ratio Lower Upper

75 100

77 33.8 23.9 44.3

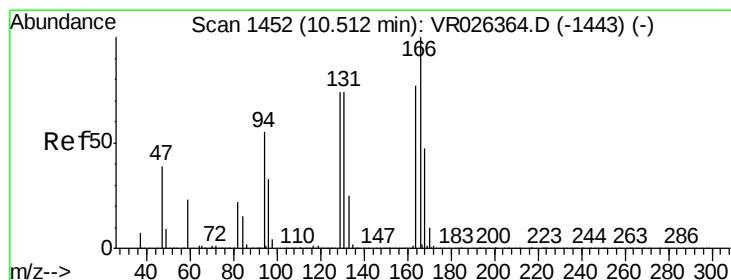
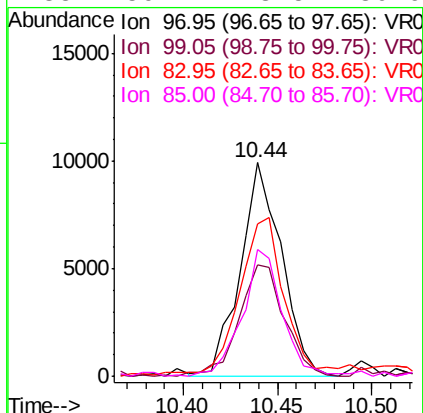
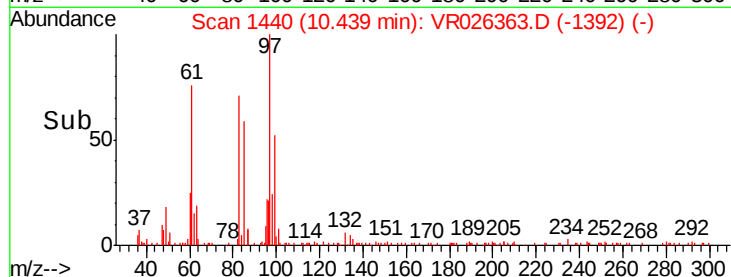
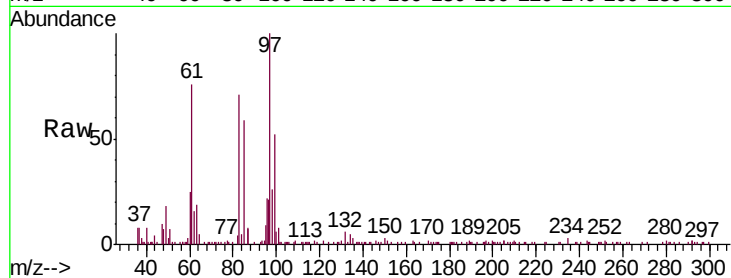




#45
 1,1,2-Trichloroethane
 Concen: 1.088 ug/L
 RT: 10.44 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: VR026363.D
 Acq: 22 Feb 2019 15:09

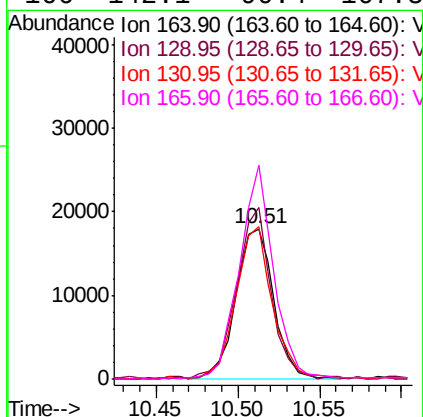
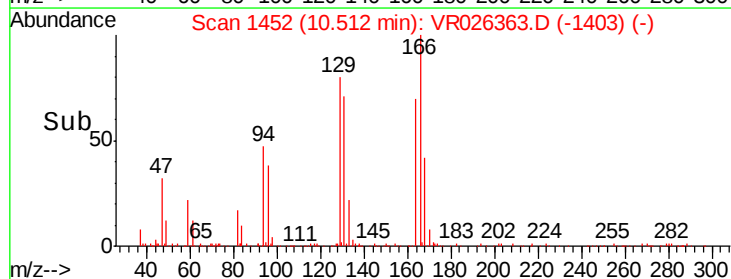
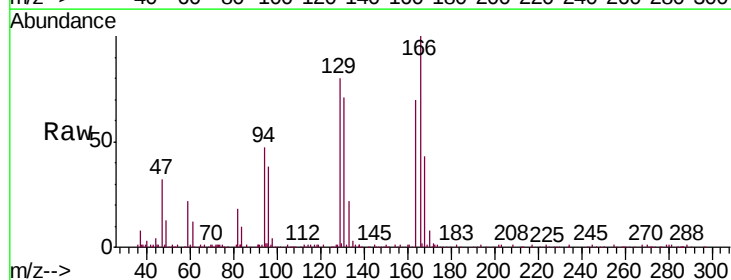
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00182

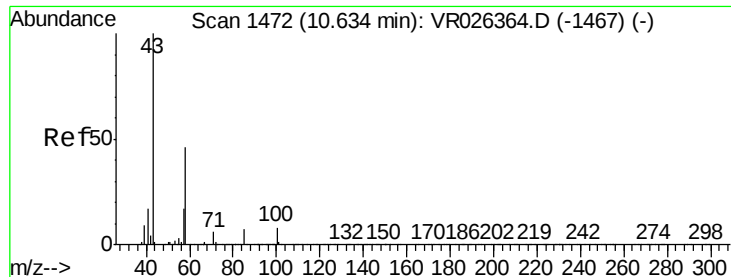
Tgt Ion:	97	Resp:	14997
Ion	Ratio	Lower	Upper
97	100		
99	51.9	38.1	70.7
83	71.1	59.6	110.6
85	59.2	43.5	80.9



#47
 Tetrachloroethene
 Concen: 1.024 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: VR026363.D
 Acq: 22 Feb 2019 15:09

Tgt Ion:	164	Resp:	28661
Ion	Ratio	Lower	Upper
164	100		
129	114.1	67.2	124.8
131	101.0	67.3	125.1
166	142.1	90.4	167.8

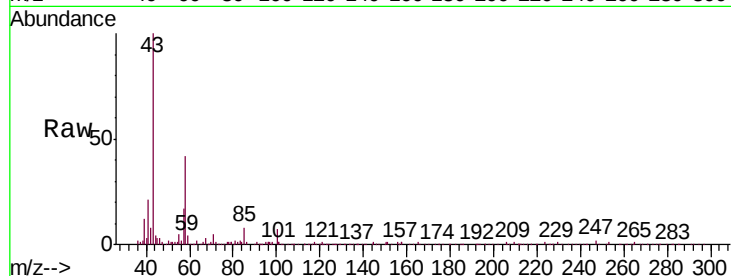




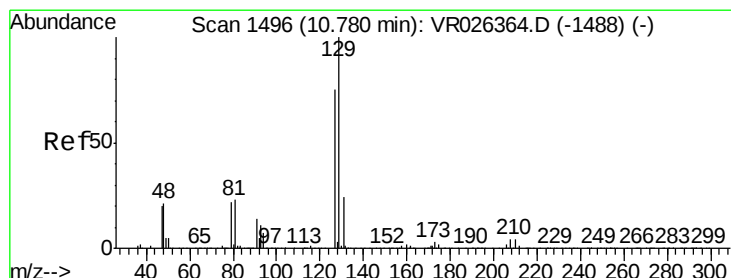
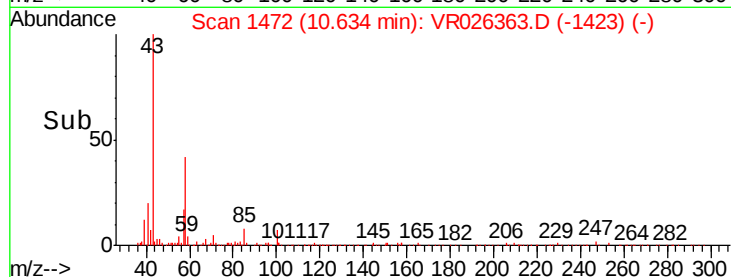
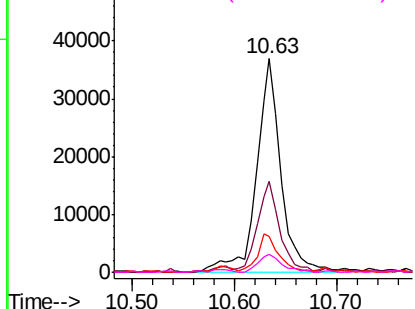
#48
2-Hexanone
Concen: 10.581 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR026363.D
Acq: 22 Feb 2019 15:09

Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

Tgt Ion:	43	Resp:	61907
Ion	Ratio	Lower	Upper
43	100		
58	38.6	38.4	57.6
57	15.4	13.2	19.8
100	8.2	6.3	9.5

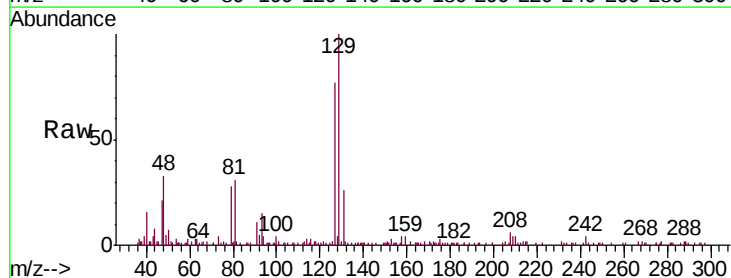


Abundance Ion 43.05 (42.75 to 43.75): VR0
Ion 58.05 (57.75 to 58.75): VR0
Ion 57.20 (56.90 to 57.90): VR0
Ion 100.15 (99.85 to 100.85): VR0

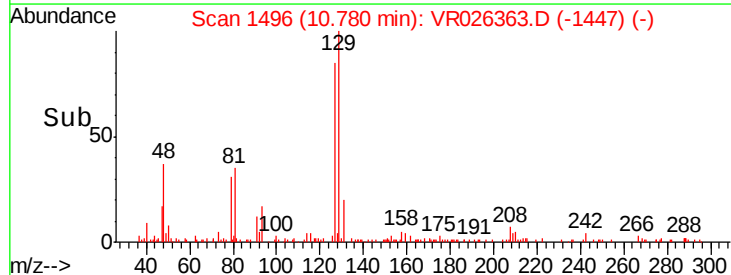
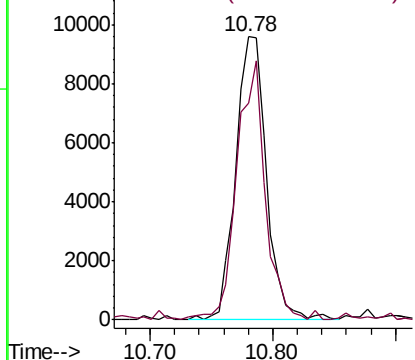


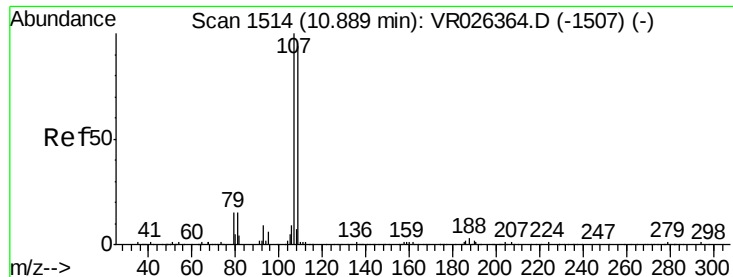
#49
Dibromochloromethane
Concen: 0.930 ug/L
RT: 10.78 min Scan# 1496
Delta R.T. 0.00 min
Lab File: VR026363.D
Acq: 22 Feb 2019 15:09

Tgt Ion:	129	Resp:	16580
Ion	Ratio	Lower	Upper
129	100		
127	76.8	52.1	96.7



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

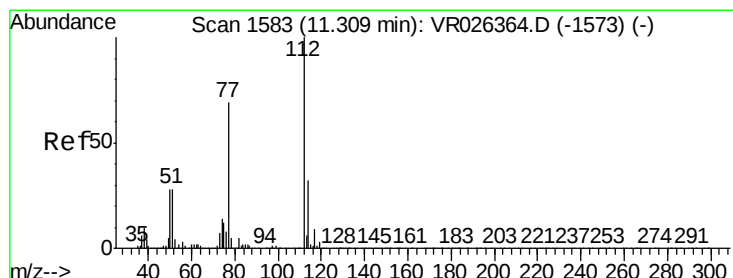
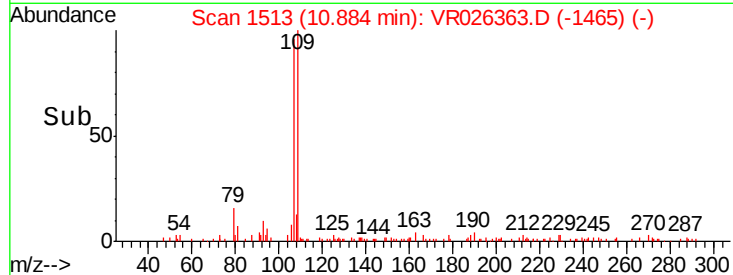
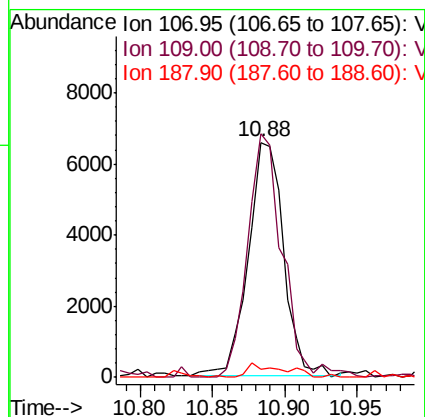
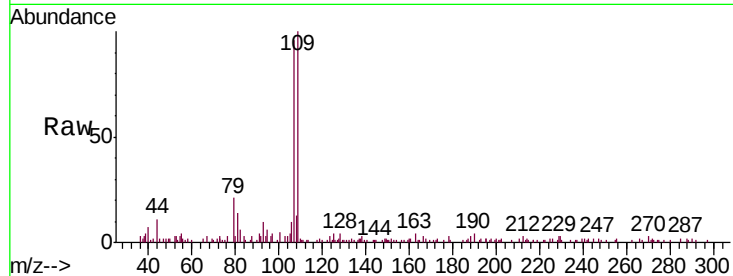




#50
1,2-Dibromoethane
Concen: 0.991 ug/L
RT: 10.88 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VR026363.D
Acq: 22 Feb 2019 15:09

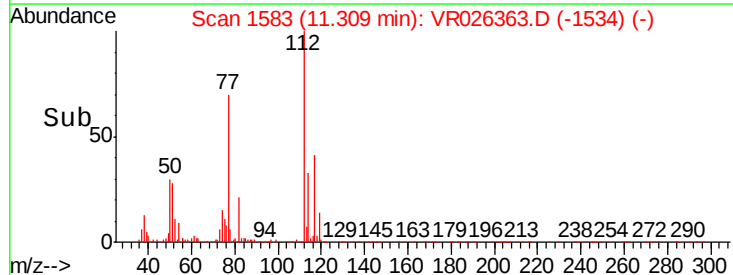
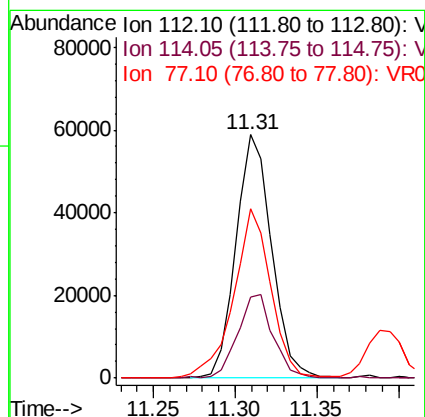
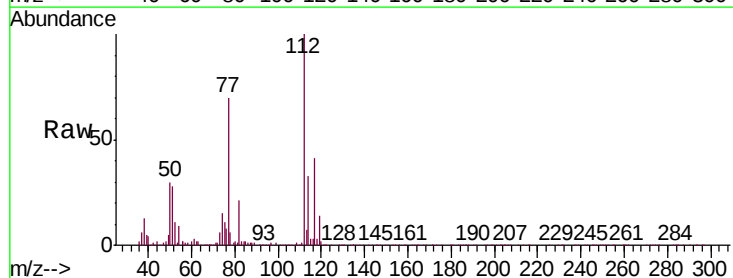
Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

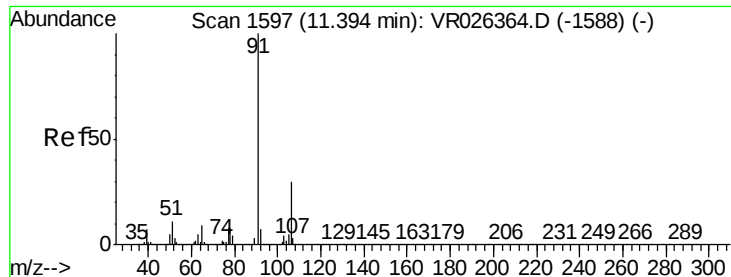
Tgt Ion:107 Resp: 11044
Ion Ratio Lower Upper
107 100
109 103.7 66.4 123.4
188 3.4 2.2 3.2#



#51
Chlorobenzene
Concen: 1.019 ug/L
RT: 11.31 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VR026363.D
Acq: 22 Feb 2019 15:09

Tgt Ion:112 Resp: 89551
Ion Ratio Lower Upper
112 100
114 33.1 22.0 41.0
77 69.7 55.4 83.2





#52

Ethylbenzene

Concen: 1.023 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR026363.D

Acq: 22 Feb 2019 15:09

Instrument :

MSVOA_R

ClientSampleId :

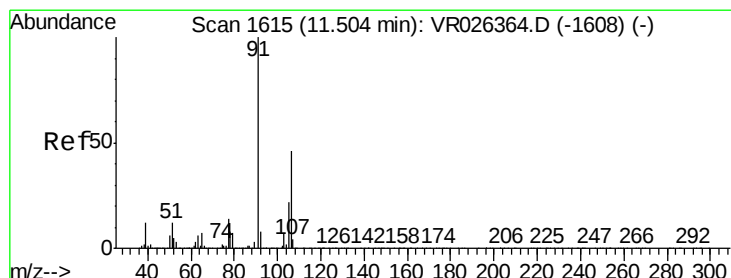
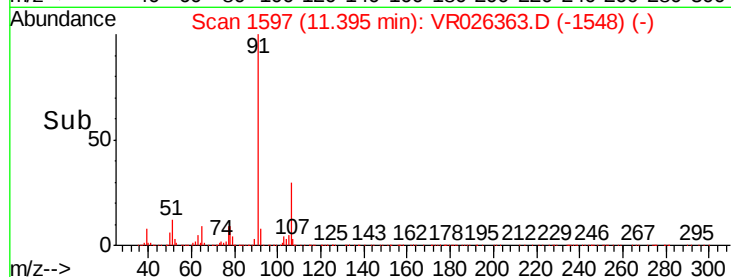
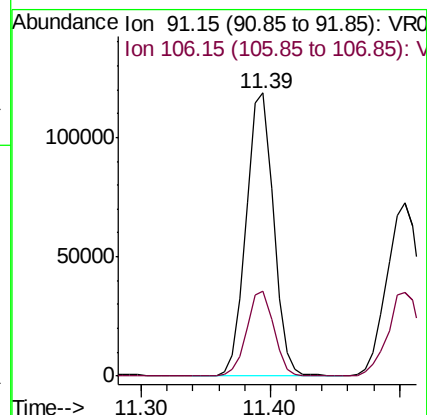
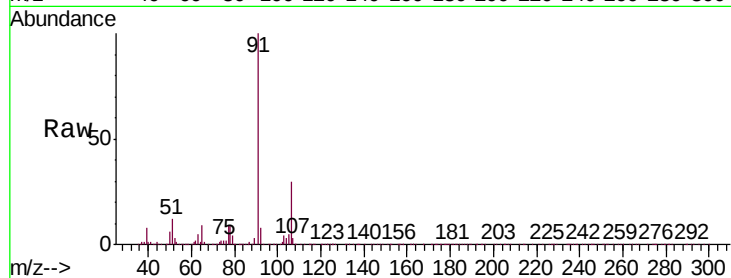
VSTD00182

Tgt Ion: 91 Resp: 173324

Ion Ratio Lower Upper

91 100

106 30.0 21.2 39.4



#53

m,p-Xylene

Concen: 0.985 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR026363.D

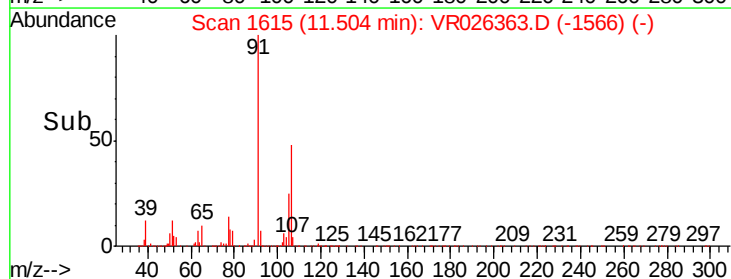
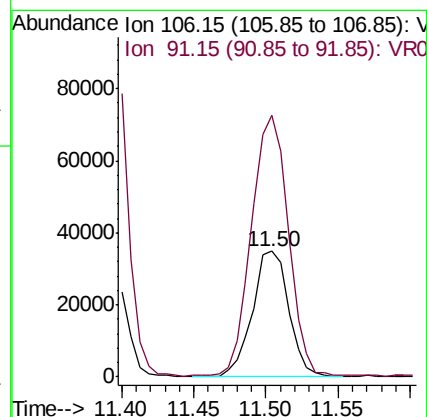
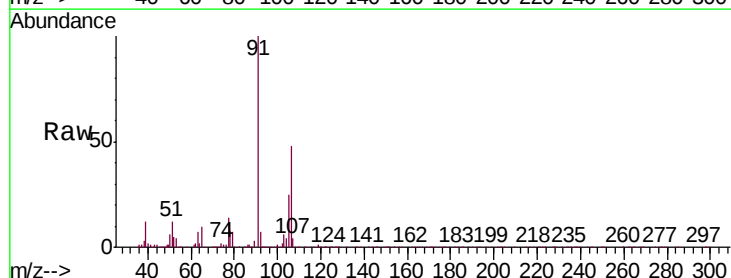
Acq: 22 Feb 2019 15:09

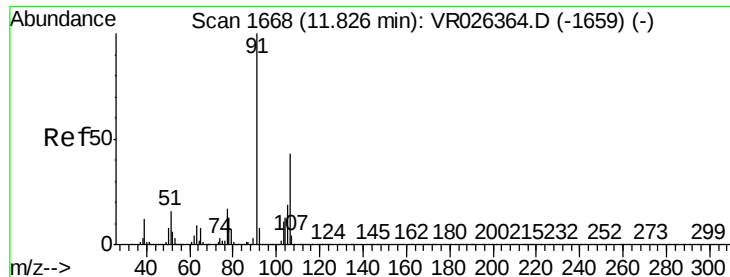
Tgt Ion: 106 Resp: 60854

Ion Ratio Lower Upper

106 100

91 208.2 153.9 285.7

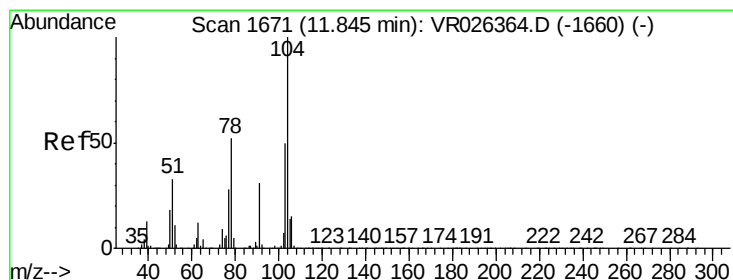
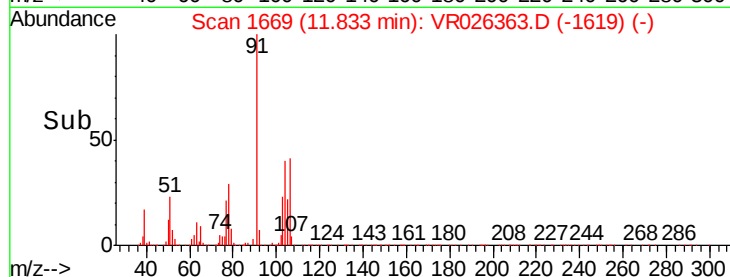
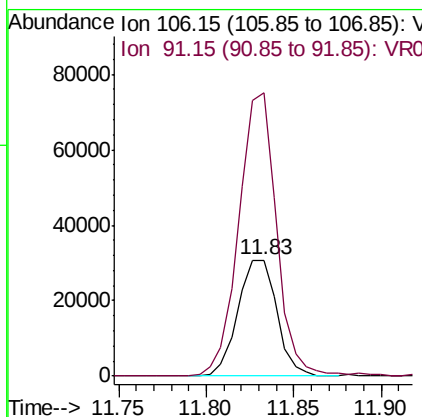
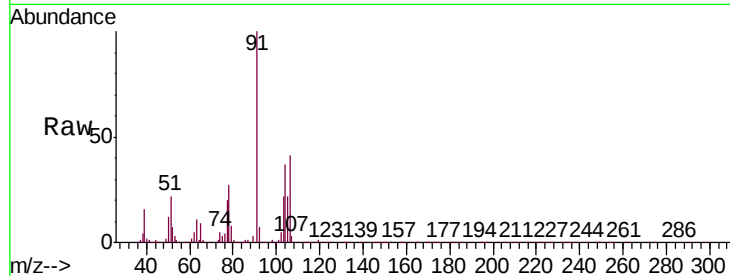




#54
o-Xylene
Concen: 0.884 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.01 min
Lab File: VR026363.D
Acq: 22 Feb 2019 15:09

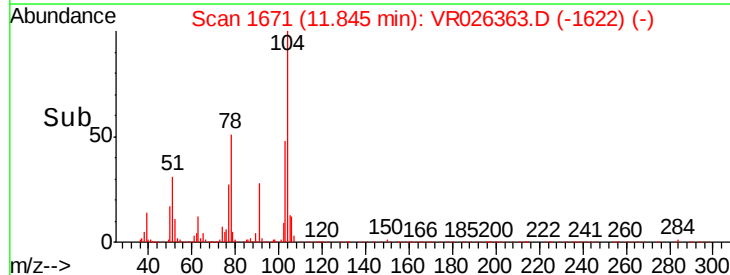
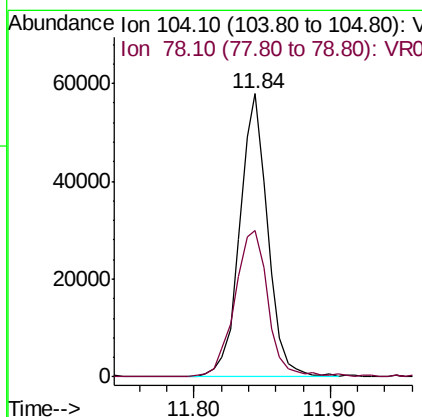
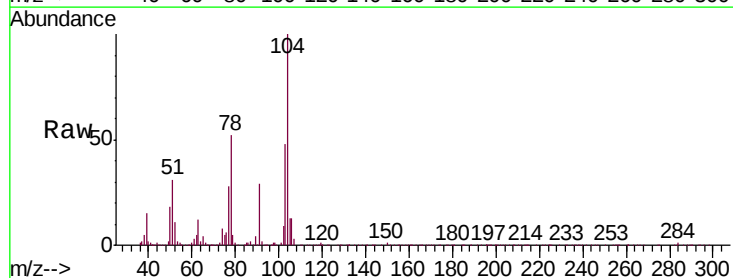
Instrument :
MSVOA_R
ClientSampleId :
VSTD00182

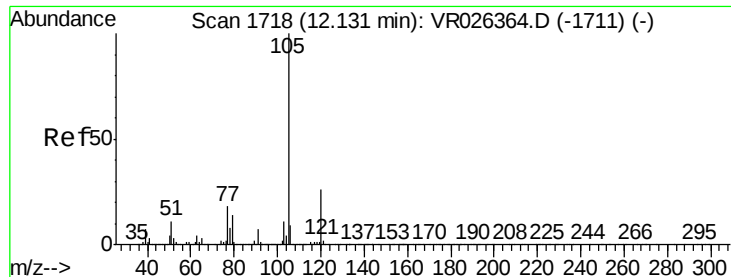
Tgt Ion:106 Resp: 47386
Ion Ratio Lower Upper
106 100
91 244.1 162.5 301.9



#55
Styrene
Concen: 0.979 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026363.D
Acq: 22 Feb 2019 15:09

Tgt Ion:104 Resp: 82788
Ion Ratio Lower Upper
104 100
78 51.5 36.5 67.7





#56

Isopropylbenzene

Concen: 0.905 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026363.D

Acq: 22 Feb 2019 15:09

Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

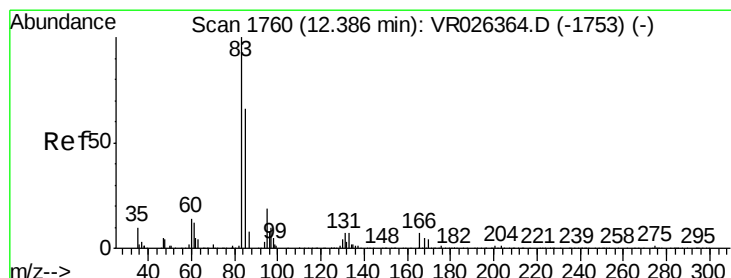
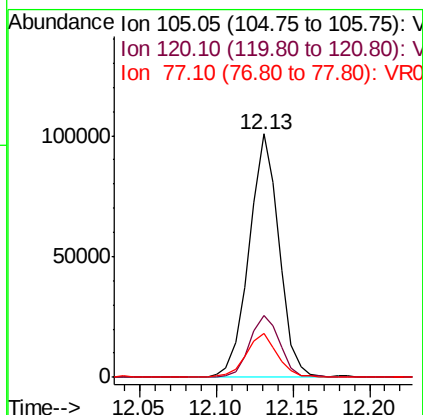
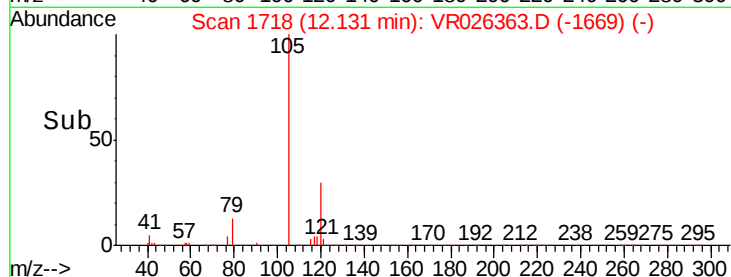
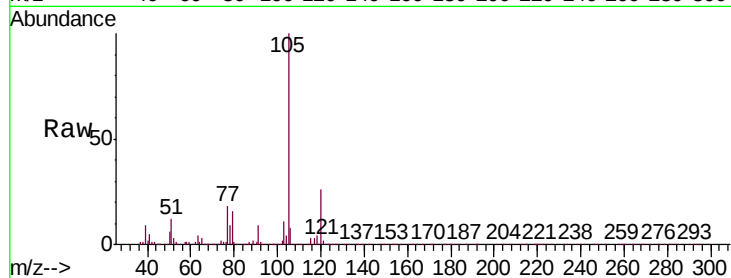
Tgt Ion: 105 Resp: 137193

Ion Ratio Lower Upper

105 100

120 25.9 20.4 30.6

77 18.8 14.4 21.6



#58

1,1,2,2-Tetrachloroethane

Concen: 0.967 ug/L

RT: 12.38 min Scan# 1759

Delta R.T. -0.01 min

Lab File: VR026363.D

Acq: 22 Feb 2019 15:09

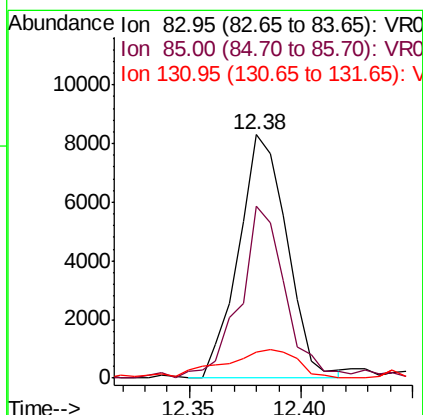
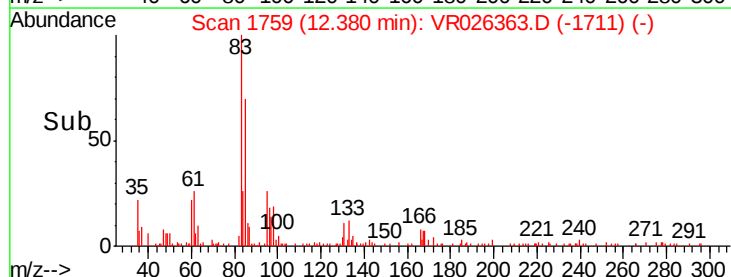
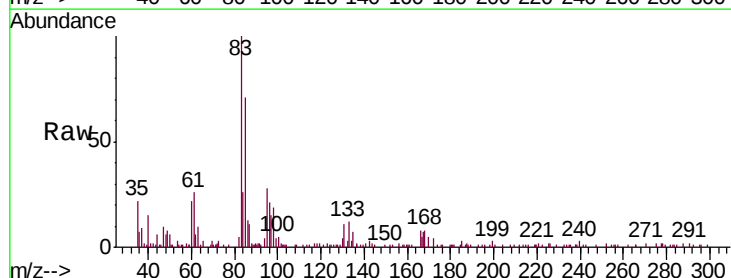
Tgt Ion: 83 Resp: 12530

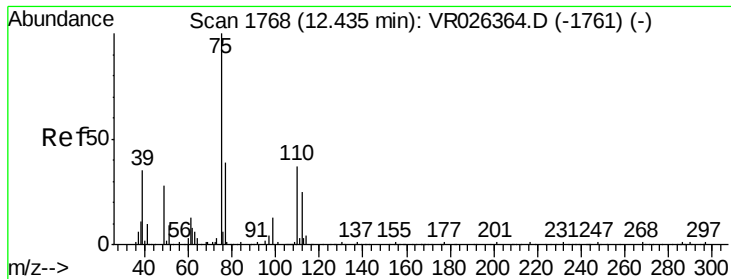
Ion Ratio Lower Upper

83 100

85 70.5 46.1 85.7

131 10.8 6.1 9.1#

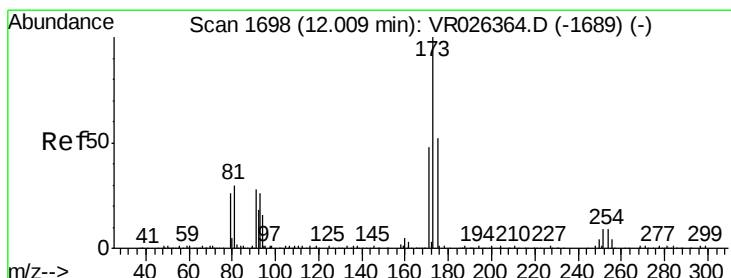
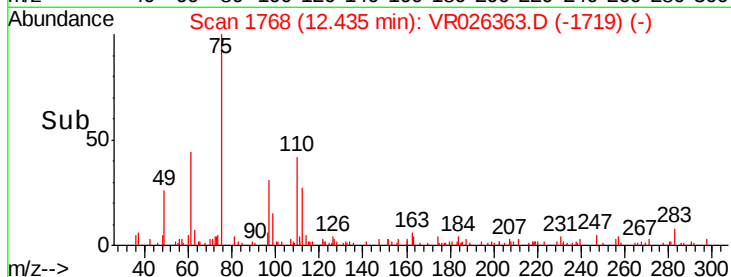
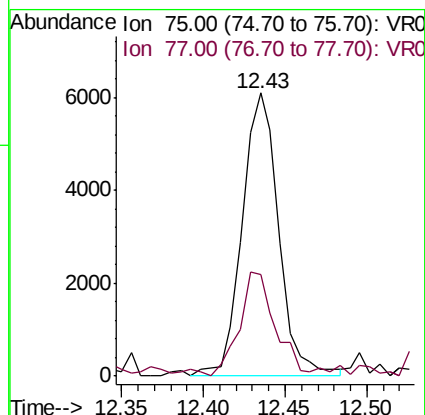
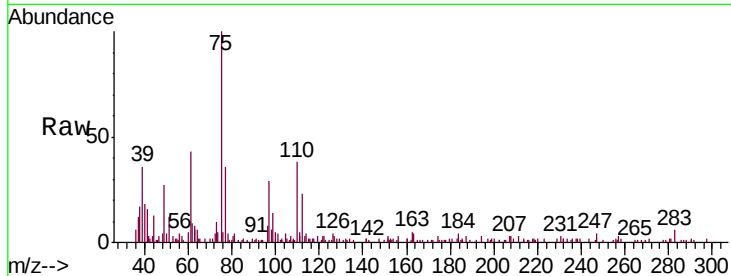




#59
 1,2,3-Trichloropropane
 Concen: 1.018 ug/L
 RT: 12.43 min Scan# 1768
 Delta R.T. 0.00 min
 Lab File: VR026363.D
 Acq: 22 Feb 2019 15:09

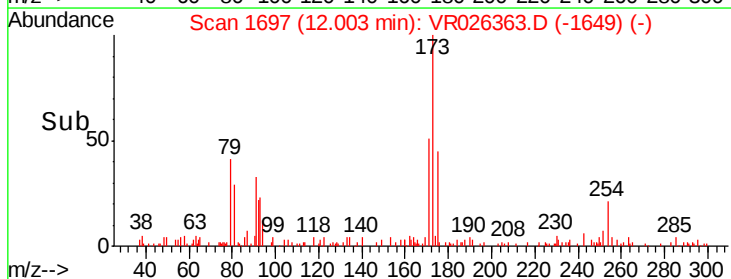
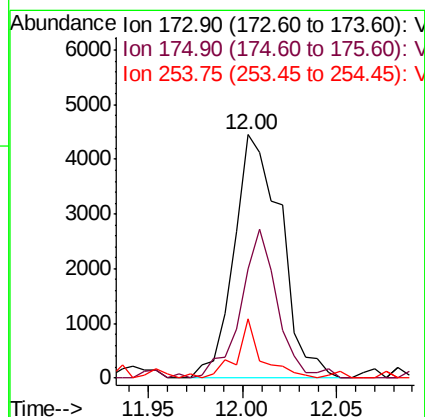
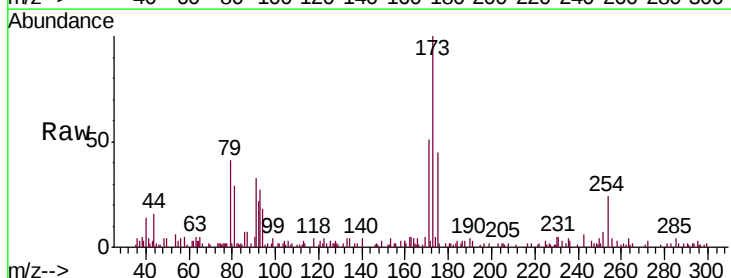
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00182

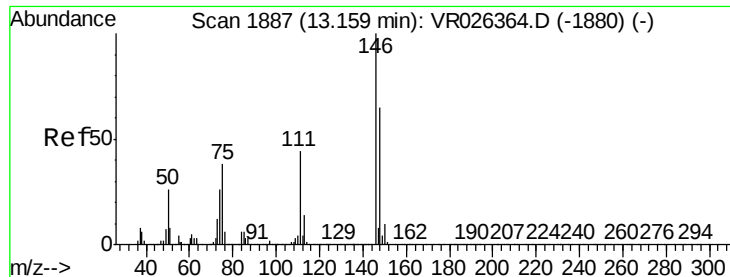
Tgt Ion: 75 Resp: 9528
 Ion Ratio Lower Upper
 75 100
 77 36.0 25.4 38.2



#61
 Bromoform
 Concen: 1.152 ug/L
 RT: 12.00 min Scan# 1697
 Delta R.T. -0.01 min
 Lab File: VR026363.D
 Acq: 22 Feb 2019 15:09

Tgt Ion: 173 Resp: 7671
 Ion Ratio Lower Upper
 173 100
 175 47.9 38.8 58.2
 254 12.5 7.7 11.5#





#62

1,3-Dichlorobenzene

Concen: 0.999 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VR026363.D

Acq: 22 Feb 2019 15:09

Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

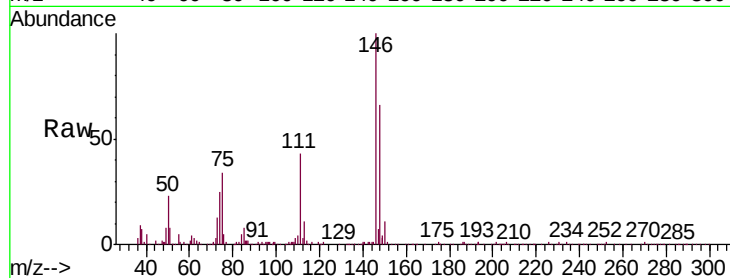
Tgt Ion:146 Resp: 43816

Ion Ratio Lower Upper

146 100

111 43.0 31.1 57.9

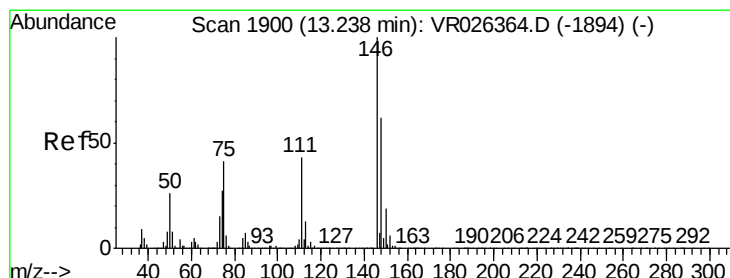
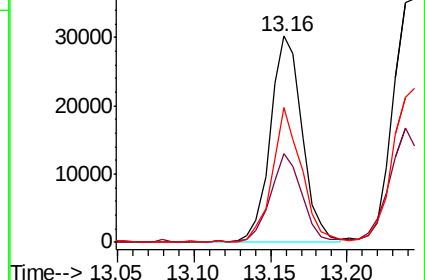
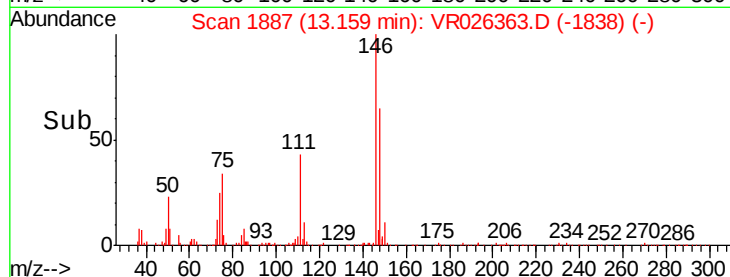
148 68.2 45.4 84.2



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: 1.055 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.01 min

Lab File: VR026363.D

Acq: 22 Feb 2019 15:09

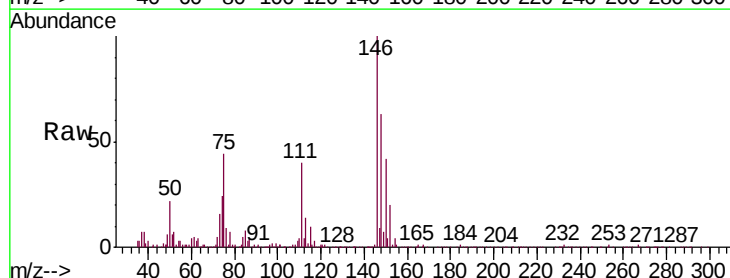
Tgt Ion:146 Resp: 53610

Ion Ratio Lower Upper

146 100

111 39.7 30.0 55.8

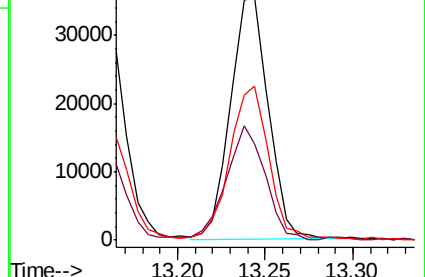
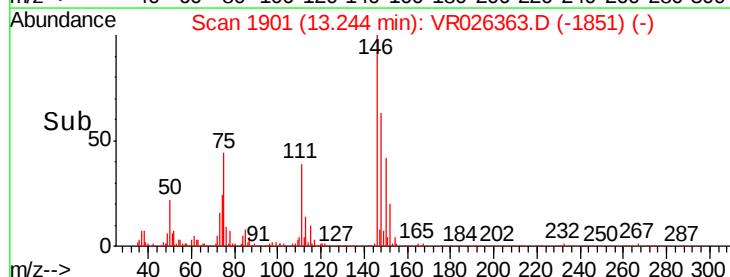
148 63.0 43.7 81.1

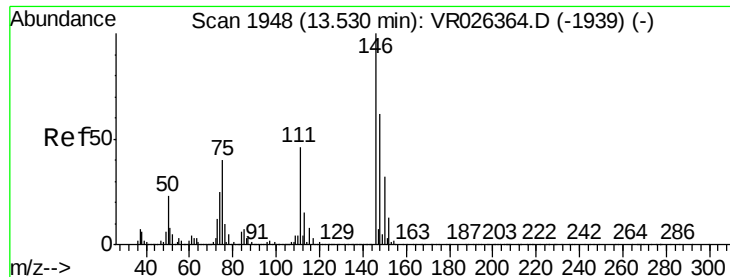


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.998 ug/L

RT: 13.53 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VR026363.D

Acq: 22 Feb 2019 15:09

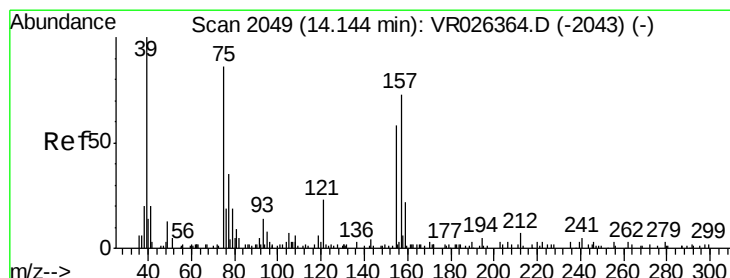
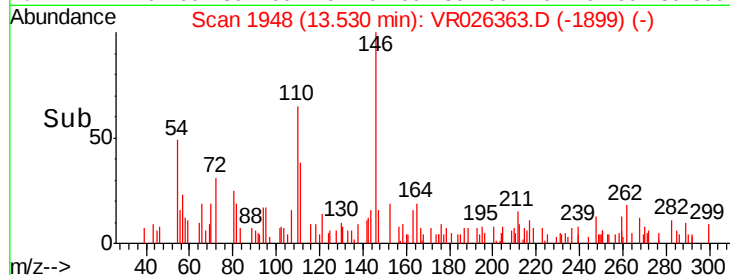
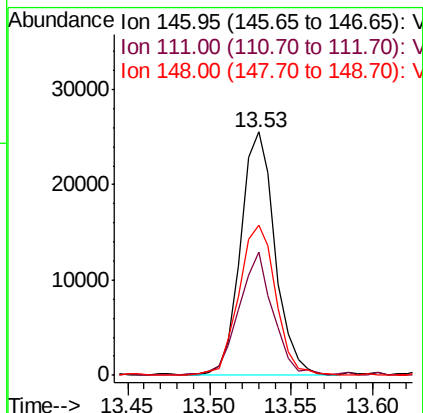
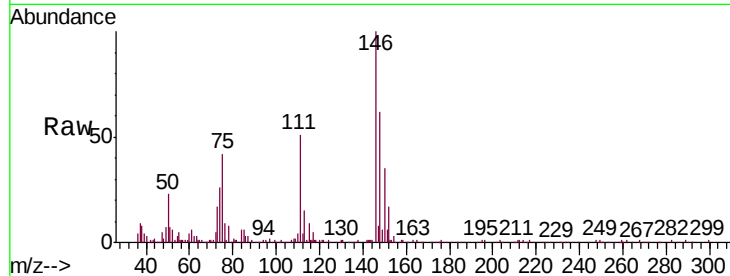
Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

Tgt Ion:	146	Resp:	37465
Ion	Ratio	Lower	Upper
146	100		
111	50.7	36.9	55.3
148	61.6	49.4	74.0



#66

1,2-Dibromo-3-chloropropane

Concen: 1.054 ug/L

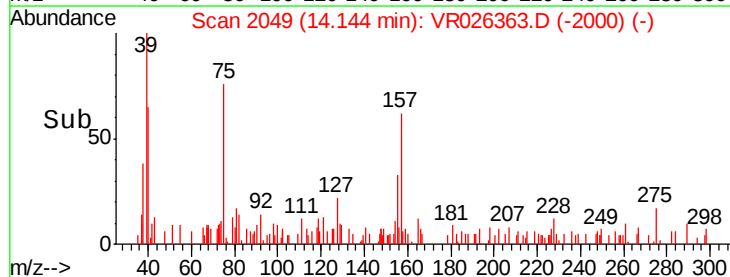
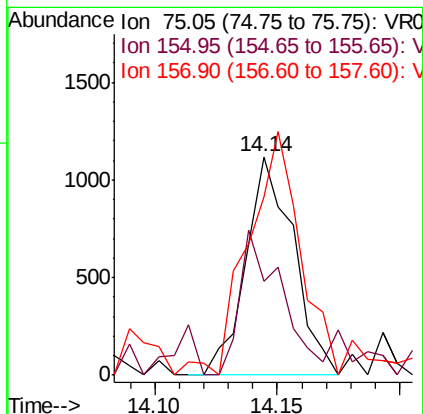
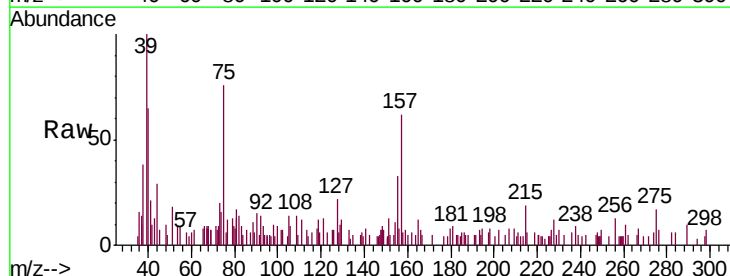
RT: 14.14 min Scan# 2049

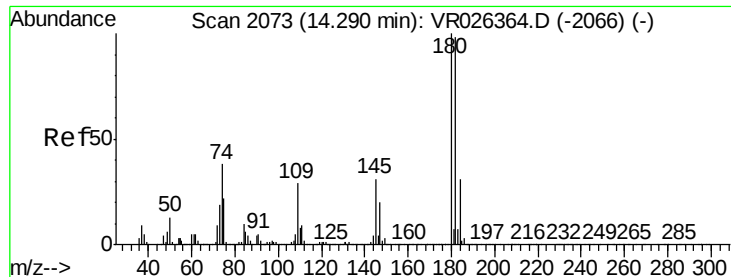
Delta R.T. 0.00 min

Lab File: VR026363.D

Acq: 22 Feb 2019 15:09

Tgt Ion:	75	Resp:	1517
Ion	Ratio	Lower	Upper
75	100		
155	42.8	53.8	80.8#
157	81.9	67.4	101.0

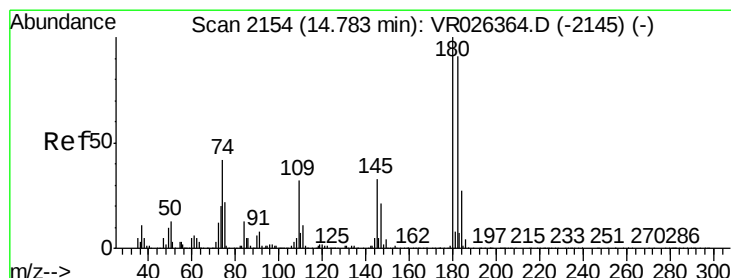
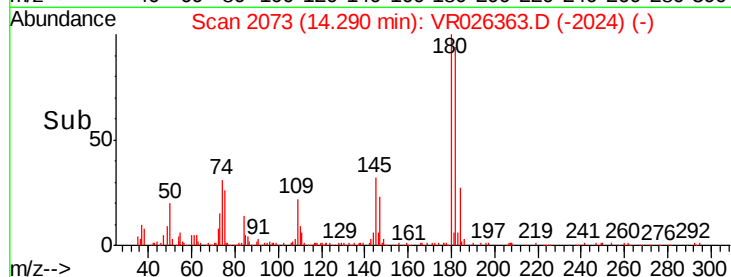
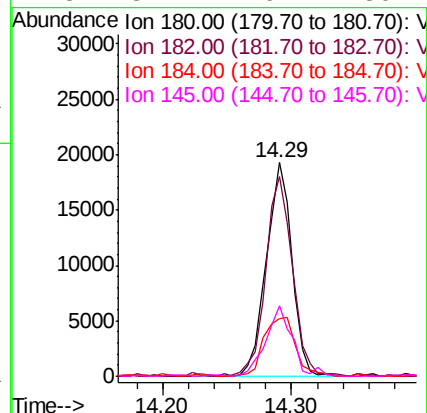
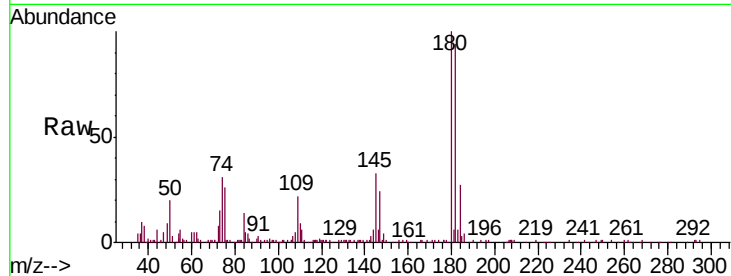




#67
 1,3,5-Trichlorobenzene
 Concen: 0.934 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR026363.D
 Acq: 22 Feb 2019 15:09

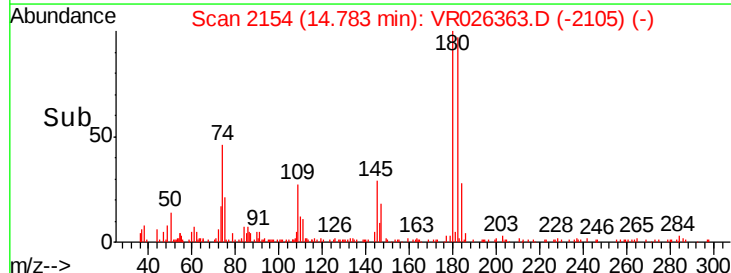
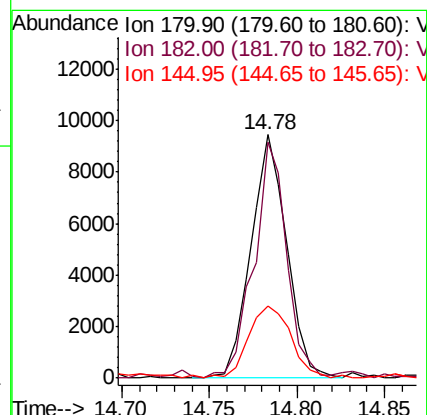
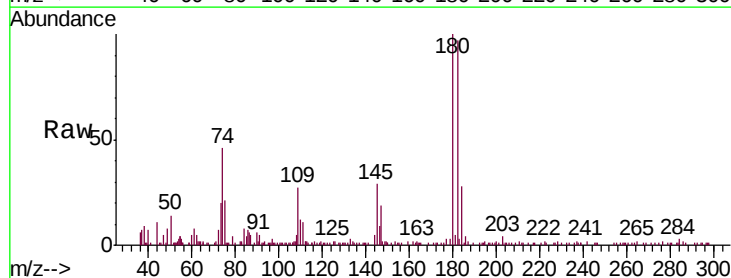
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00182

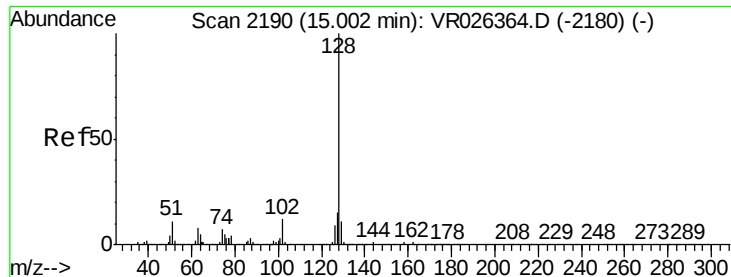
Tgt Ion:	180	Resp:	26433
Ion	Ratio	Lower	Upper
180	100		
182	97.6	79.0	118.6
184	34.2	25.5	38.3
145	32.7	26.2	39.2



#68
 1,2,4-trichlorobenzene
 Concen: 0.870 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VR026363.D
 Acq: 22 Feb 2019 15:09

Tgt Ion:	180	Resp:	13456
Ion	Ratio	Lower	Upper
180	100		
182	89.7	74.7	112.1
145	35.1	26.6	40.0





#69

Naphthalene

Concen: 0.667 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR026363.D

Acq: 22 Feb 2019 15:09

Instrument :

MSVOA_R

ClientSampleId :

VSTD00182

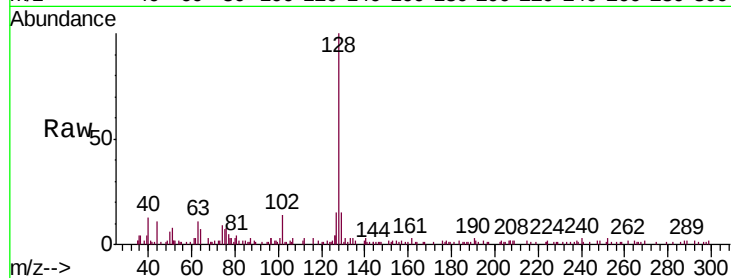
Tgt Ion:128 Resp: 9734

Ion Ratio Lower Upper

128 100

127 18.3 11.2 16.8#

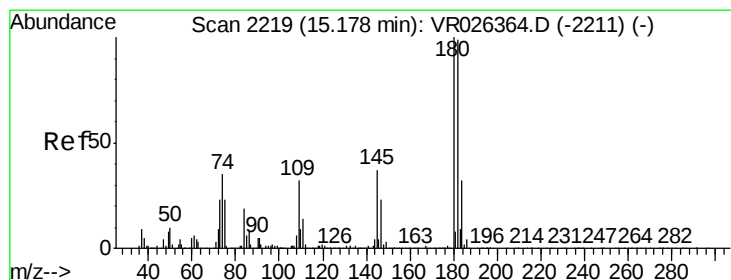
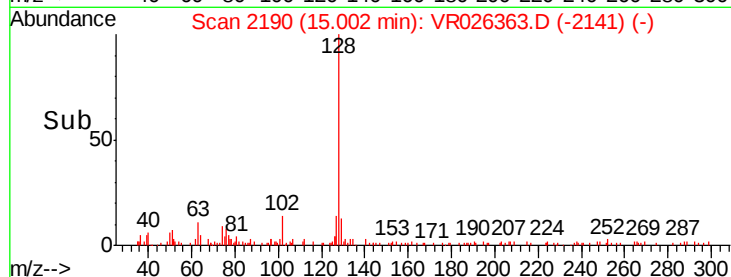
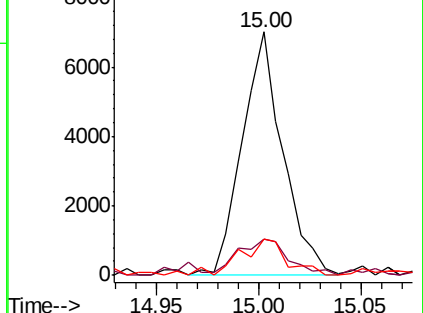
129 17.7 8.3 12.5#



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: 0.766 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR026363.D

Acq: 22 Feb 2019 15:09

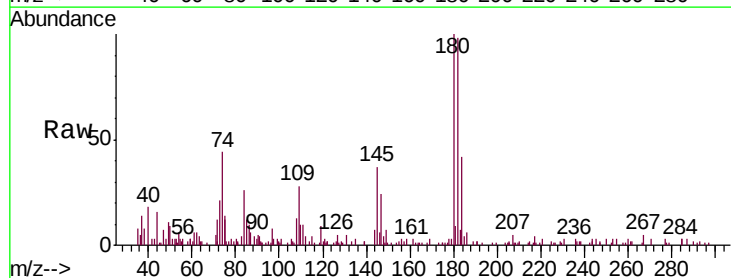
Tgt Ion:180 Resp: 8989

Ion Ratio Lower Upper

180 100

182 101.8 77.4 116.0

145 42.7 28.6 42.8



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

