

Data File : VR026610.D
Acq On : 10 Sep 2019 16:09
Operator : SY/MD
Sample : VSTD00163
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00163

Quant Time: Sep 11 07:36:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091019WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 11 07:33:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.48	114	472581	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.30	117	353866	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.24	152	157712	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.18	65	13688	0.93	ug/L	0.01
7) Chloroethane-d5	2.71	69	402	0.03	ug/L	0.07
11) 1,1-Dichloroethene-d2	3.63	63	33922	1.10	ug/L	0.00
20) 2-Butanone-d5	6.62	46	30065	9.23	ug/L	0.00
24) Chloroform-d	7.22	84	52165	1.11	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.91	65	16610	1.17	ug/L	-0.01
32) Benzene-d6	7.88	84	97652	0.97	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.92	67	26610	1.01	ug/L	0.00
41) Toluene-d8	9.99	98	73184	0.94	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.25	79	5550	0.84	ug/L	0.00
46) 2-Hexanone-d5	10.61	63	16782	7.46	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.37	84	12008	1.02	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.53	152	20863	0.94	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.86	85	45542	1.337 ug/L #	85
3) Chloromethane	2.06	50	29634	1.300 ug/L	100
5) Vinyl chloride	2.19	62	28317	1.337 ug/L	86
6) Bromomethane	2.53	94	16948	1.289 ug/L	85
8) Chloroethane	2.68	64	15574	1.301 ug/L	87
9) Trichlorofluoromethane	2.98	101	41136	1.322 ug/L #	60
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	17586	1.171 ug/L #	89
12) 1,1-Dichloroethene	3.64	96	19213	1.251 ug/L	87
13) Acetone	3.74	43	21277	14.932 ug/L	95
14) Carbon disulfide	3.98	76	56359	0.629 ug/L	99
15) Methyl Acetate	4.23	43	9055	1.345 ug/L	100
16) Methylene chloride	4.43	84	41355	1.282 ug/L	87
17) Methyl tert-butyl Ether	4.93	73	46231	1.243 ug/L	98
18) trans-1,2-Dichloroethene	4.92	96	41158	1.204 ug/L	95
19) 1,1-Dichloroethane	5.72	63	79712	1.338 ug/L	95
21) 2-Butanone	6.72	43	40443	12.602 ug/L	97
22) cis-1,2-Dichloroethene	6.70	96	38662	1.175 ug/L #	86
23) Bromochloromethane	7.06	128	11341	1.228 ug/L #	84
25) Chloroform	7.26	83	73718	1.336 ug/L	92
27) 1,2-Dichloroethane	8.02	62	26285	1.372 ug/L #	92
29) 1,1,1-Trichloroethane	7.45	97	52062	1.207 ug/L	95
30) Cyclohexane	7.53	56	59205	0.955 ug/L	96
31) Carbon tetrachloride	7.66	117	44051	1.169 ug/L	99
33) Benzene	7.93	78	163476	1.228 ug/L	100
34) Trichloroethene	8.73	95	39765	1.229 ug/L	98
35) Methylcyclohexane	8.97	83	55137	0.982 ug/L	97
37) 1,2-Dichloropropane	9.02	63	32301	1.224 ug/L #	95
38) Bromodichloromethane	9.30	83	31712	1.212 ug/L	100
39) cis-1,3-Dichloropropene	9.74	75	30018	1.025 ug/L	92
40) 4-Methyl-2-pentanone	9.89	43	85550	11.422 ug/L	98

Data File : VR026610.D
Acq On : 10 Sep 2019 16:09
Operator : SY/MD
Sample : VSTD00163
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00163

Quant Time: Sep 11 07:36:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091019WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 11 07:33:30 2019
Response via : Initial Calibration

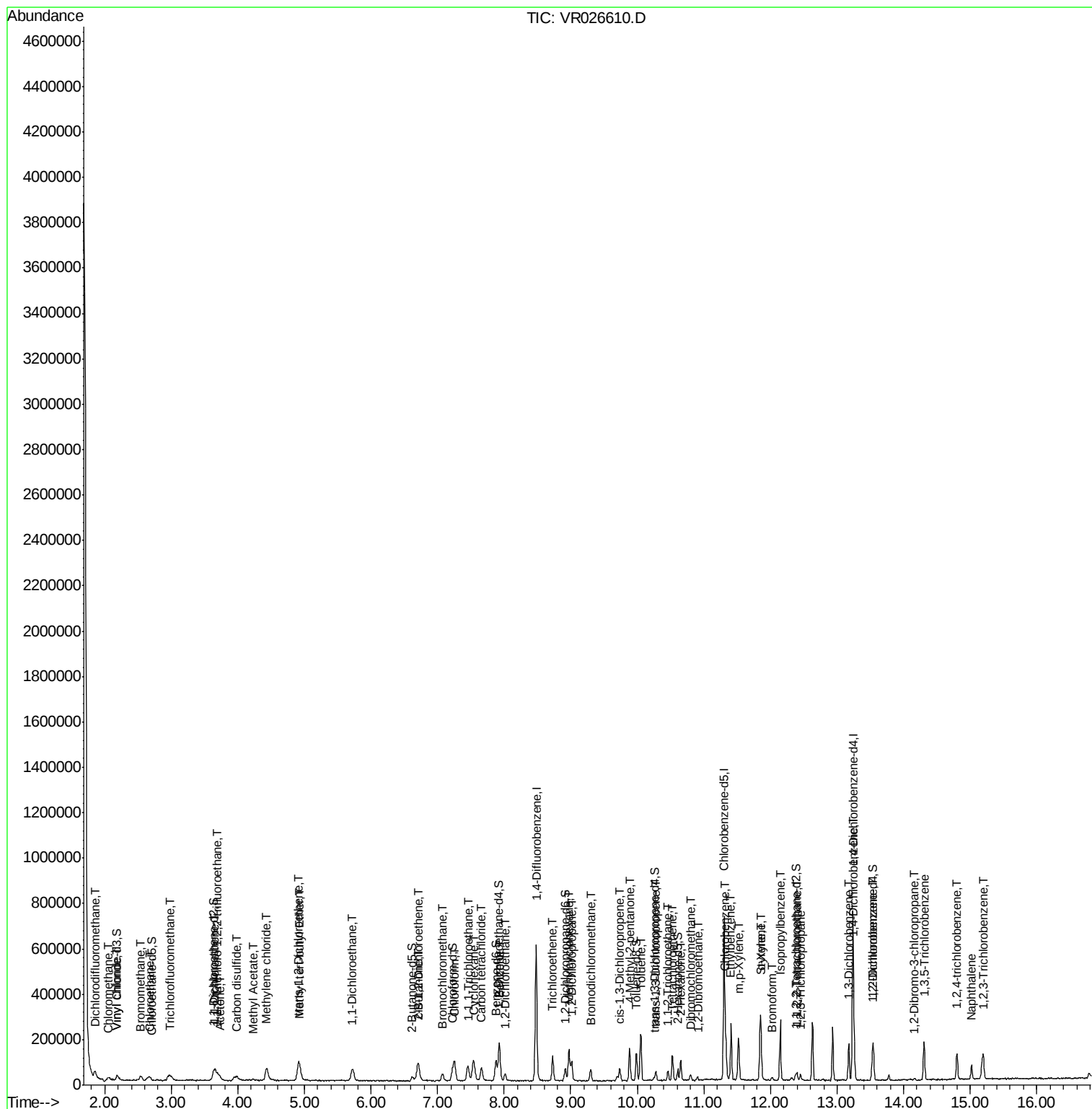
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.05	91	144684	1.215	ug/L	91
44) trans-1,3-Dichloropropene	10.28	75	19740	1.069	ug/L	100
45) 1,1,2-Trichloroethane	10.46	97	13009	1.213	ug/L	91
47) Tetrachloroethene	10.53	164	21797	1.117	ug/L	85
48) 2-Hexanone	10.65	43	51304	11.608	ug/L	98
49) Dibromochloromethane	10.80	129	13375	1.143	ug/L #	71
50) 1,2-Dibromoethane	10.90	107	10479	1.074	ug/L #	89
51) Chlorobenzene	11.33	112	77748	1.261	ug/L	96
52) Ethylbenzene	11.41	91	155856	1.230	ug/L	99
53) m,p-Xylene	11.52	106	54902	1.170	ug/L	97
54) o-Xylene	11.84	106	55110	1.193	ug/L	99
55) Styrene	11.86	104	77741	1.220	ug/L	97
56) Isopropylbenzene	12.15	105	149358	1.149	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.40	83	15365	1.284	ug/L	89
59) 1,2,3-Trichloropropane	12.45	75	10750	1.266	ug/L #	78
61) Bromoform	12.03	173	5379	0.984	ug/L #	90
62) 1,3-Dichlorobenzene	13.18	146	55748	1.214	ug/L	98
63) 1,4-Dichlorobenzene	13.26	146	54329	1.245	ug/L	90
65) 1,2-Dichlorobenzene	13.55	146	47146	1.239	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.16	75	2526	0.713	ug/L #	85
67) 1,3,5-Trichlorobenzene	14.31	180	43170	1.048	ug/L	98
68) 1,2,4-trichlorobenzene	14.80	180	30859	1.006	ug/L	99
69) Naphthalene	15.02	128	39565	0.850	ug/L	98
70) 1,2,3-Trichlorobenzene	15.20	180	26593	1.038	ug/L	99

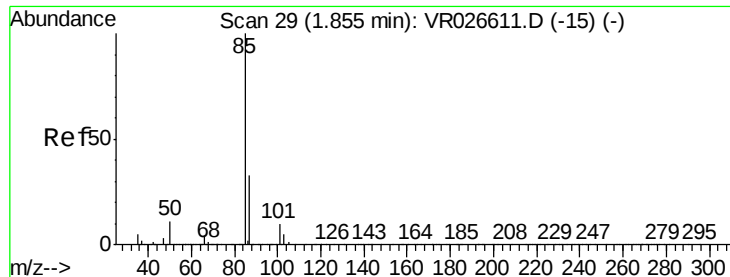
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VR026610.D
Acq On : 10 Sep 2019 16:09
Operator : SY/MD
Sample : VSTD00163
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00163

Quant Time: Sep 11 07:36:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091019WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 11 07:33:30 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.337 ug/L

RT: 1.86 min Scan# 29

Delta R.T. -0.00 min

Lab File: VR026610.D

Acq: 10 Sep 2019 16:09

Instrument :

MSVOA_R

ClientSampleId :

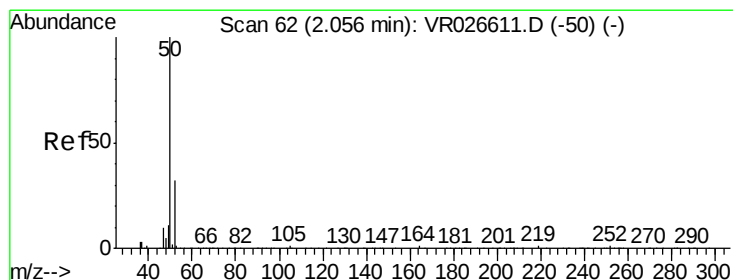
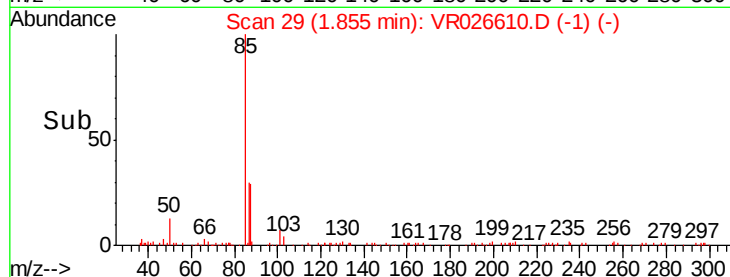
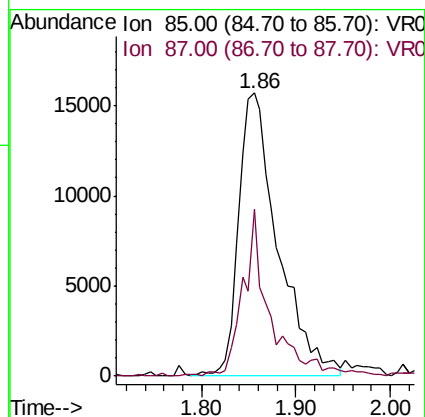
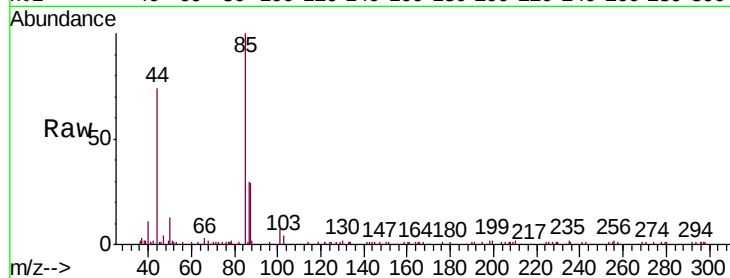
VSTD00163

Tgt Ion: 85 Resp: 45542

Ion Ratio Lower Upper

85 100

87 40.0 25.4 38.2#



#3

Chloromethane

Concen: 1.300 ug/L

RT: 2.06 min Scan# 62

Delta R.T. -0.00 min

Lab File: VR026610.D

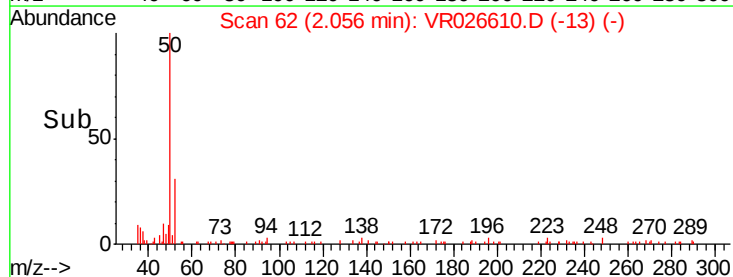
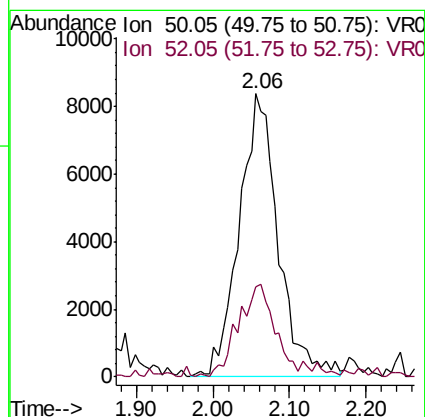
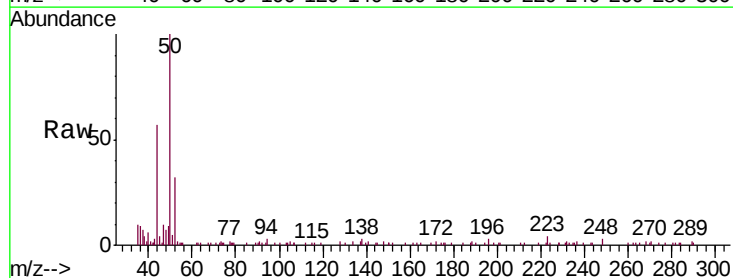
Acq: 10 Sep 2019 16:09

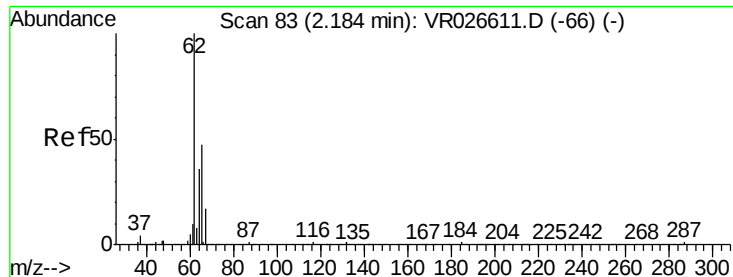
Tgt Ion: 50 Resp: 29634

Ion Ratio Lower Upper

50 100

52 31.8 22.2 41.2





#5

Vinyl chloride

Concen: 1.337 ug/L

RT: 2.19 min Scan# 84

Delta R.T. 0.01 min

Lab File: VR026610.D

Acq: 10 Sep 2019 16:09

Instrument :

MSVOA_R

ClientSampleId :

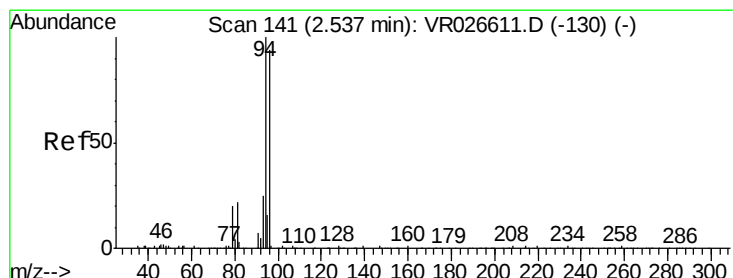
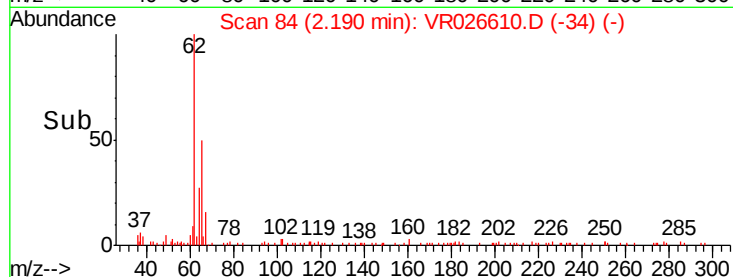
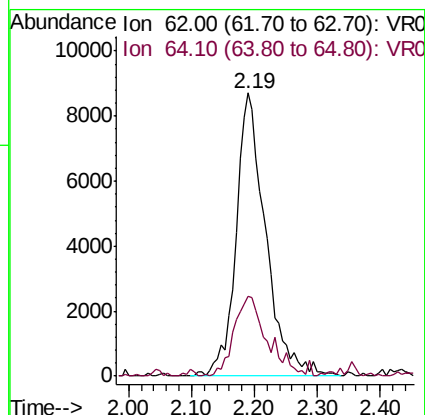
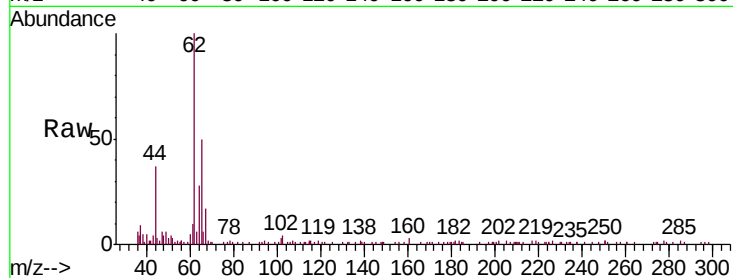
VSTD00163

Tgt Ion: 62 Resp: 28317

Ion Ratio Lower Upper

62 100

64 28.1 25.4 47.2



#6

Bromomethane

Concen: 1.289 ug/L

RT: 2.53 min Scan# 140

Delta R.T. -0.01 min

Lab File: VR026610.D

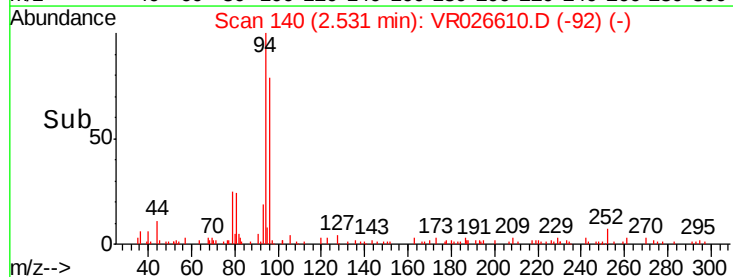
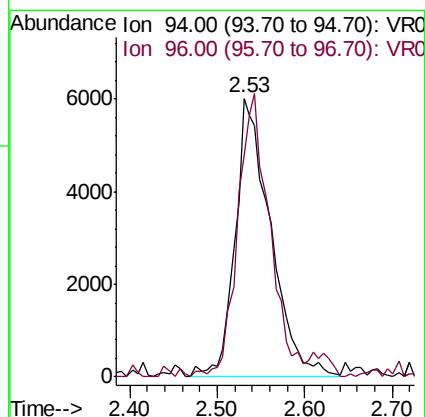
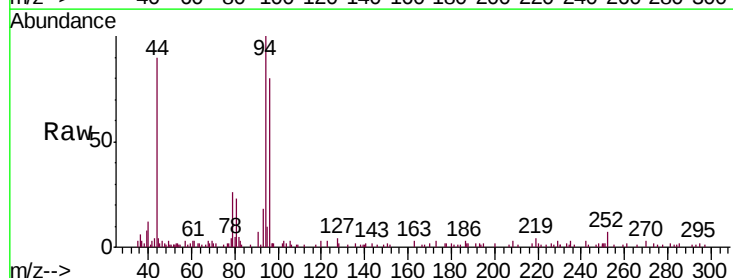
Acq: 10 Sep 2019 16:09

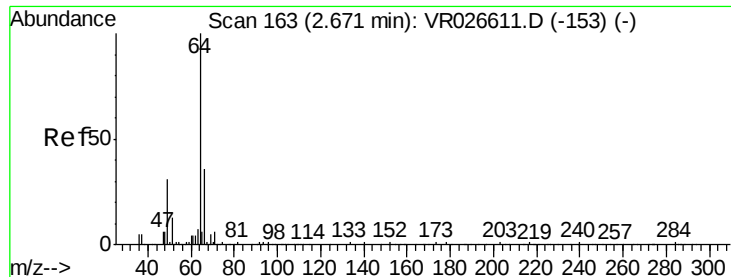
Tgt Ion: 94 Resp: 16948

Ion Ratio Lower Upper

94 100

96 79.7 65.7 122.1





#8

Chloroethane

Concen: 1.301 ug/L

RT: 2.68 min Scan# 164

Delta R.T. 0.01 min

Lab File: VR026610.D

Acq: 10 Sep 2019 16:09

Instrument :

MSVOA_R

ClientSampleId :

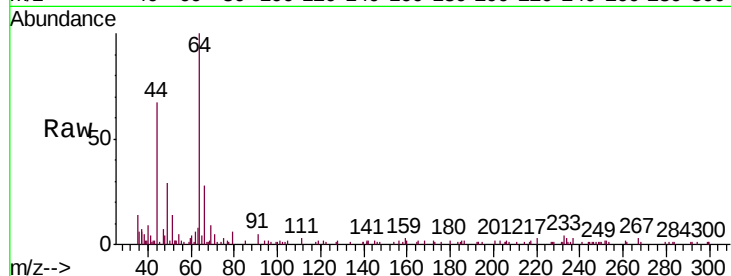
VSTD00163

Tgt Ion: 64 Resp: 15574

Ion Ratio Lower Upper

64 100

66 28.2 25.1 46.5



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0

8000

6000

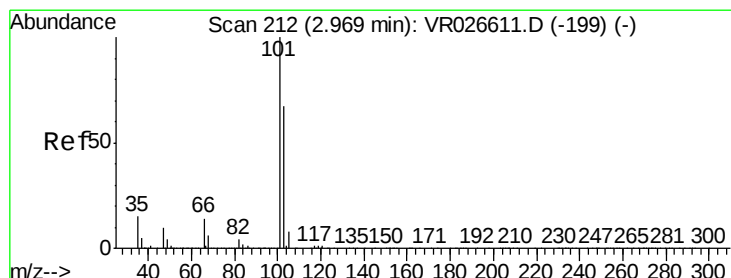
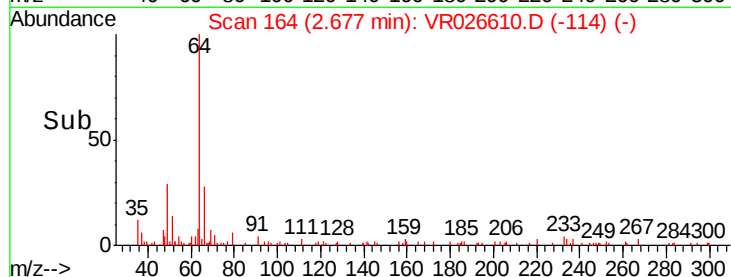
4000

2000

0

Time-->

2.55 2.60 2.65 2.70 2.75



#9

Trichlorofluoromethane

Concen: 1.322 ug/L

RT: 2.98 min Scan# 214

Delta R.T. 0.01 min

Lab File: VR026610.D

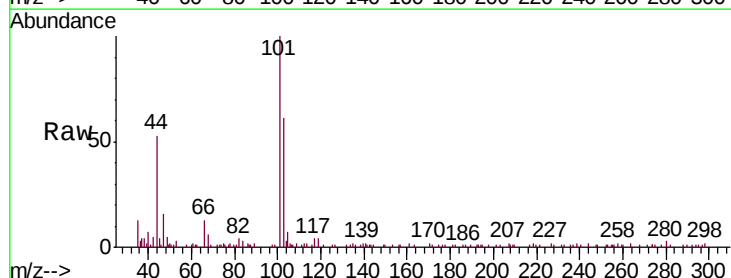
Acq: 10 Sep 2019 16:09

Tgt Ion: 101 Resp: 41136

Ion Ratio Lower Upper

101 100

103 32.4 51.1 76.7#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

10000

8000

6000

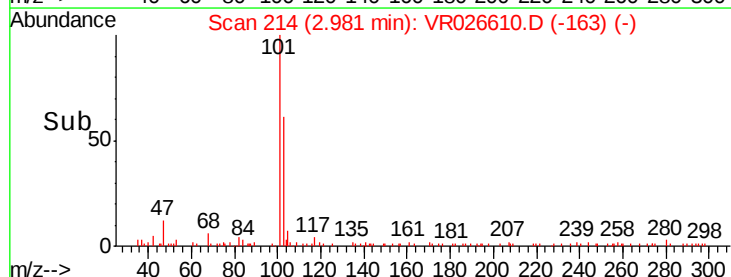
4000

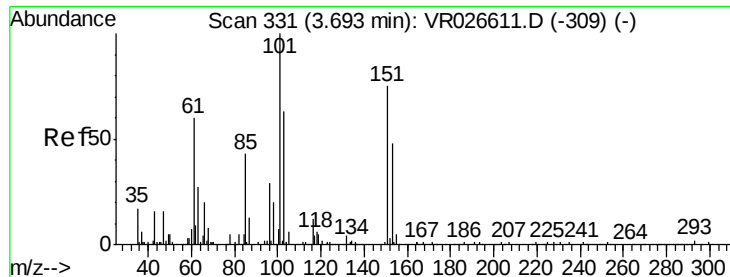
2000

0

Time-->

2.80 2.90 3.00 3.10





#10

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

Concen: 1.171 ug/L

RT: 3.69 min Scan# 331

Delta R.T. -0.00 min

Lab File: VR026610.D

Acq: 10 Sep 2019 16:09

Instrument :

MSVOA_R

ClientSampleId :

VSTD00163

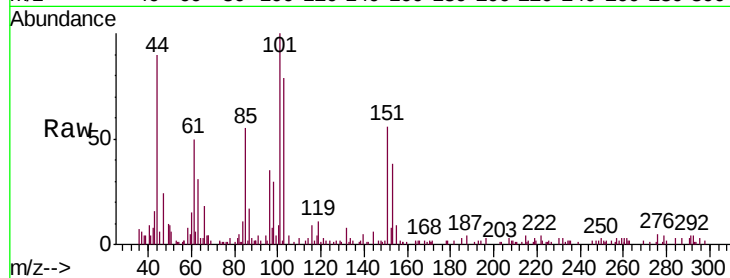
Tgt Ion:101 Resp: 17586

Ion Ratio Lower Upper

101 100

85 49.2 40.6 61.0

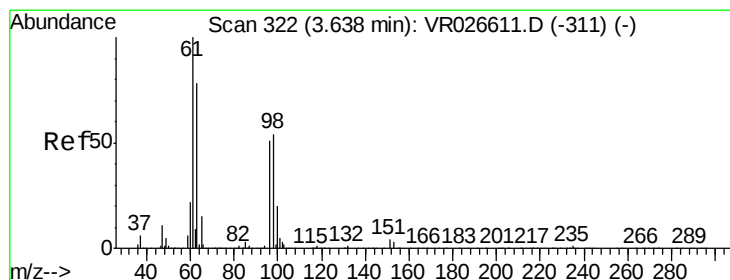
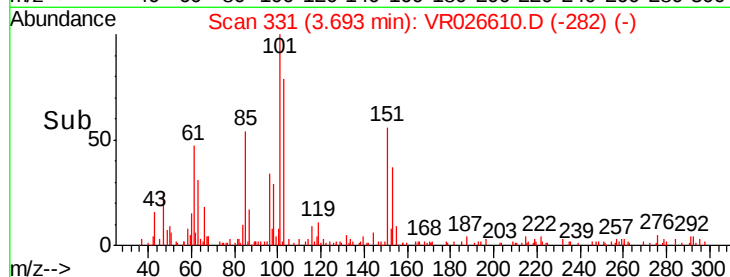
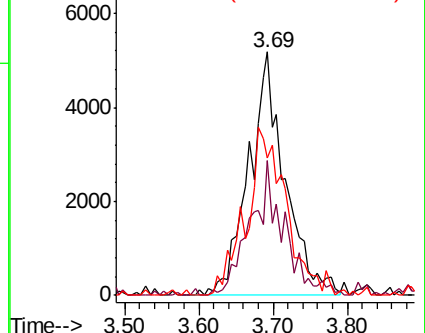
151 58.5 58.6 87.8#



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: 1.251 ug/L

RT: 3.64 min Scan# 323

Delta R.T. 0.01 min

Lab File: VR026610.D

Acq: 10 Sep 2019 16:09

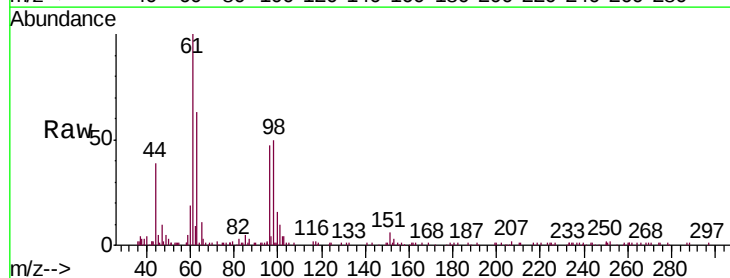
Tgt Ion: 96 Resp: 19213

Ion Ratio Lower Upper

96 100

61 211.8 137.8 255.8

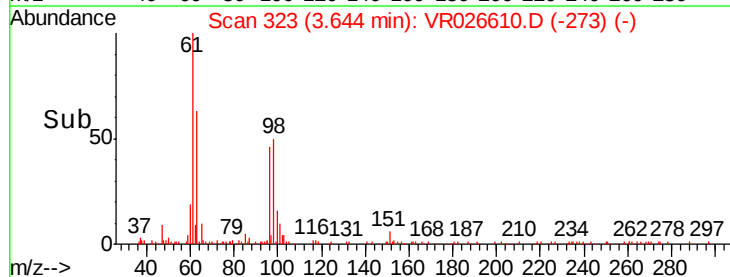
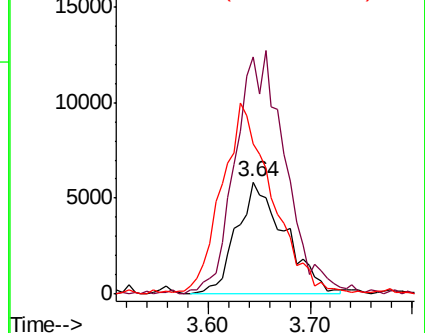
63 134.2 108.6 201.8

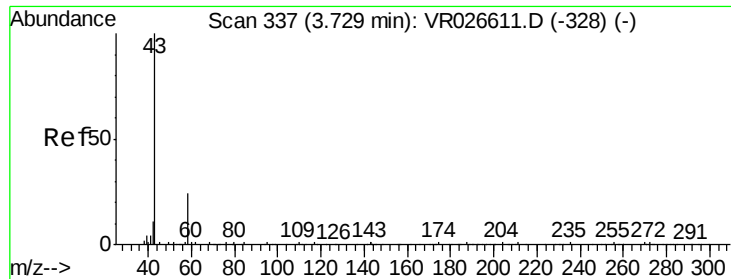


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 14.932 ug/L

RT: 3.74 min Scan# 338

Delta R.T. 0.01 min

Lab File: VR026610.D

Acq: 10 Sep 2019 16:09

Instrument :

MSVOA_R

ClientSampleId :

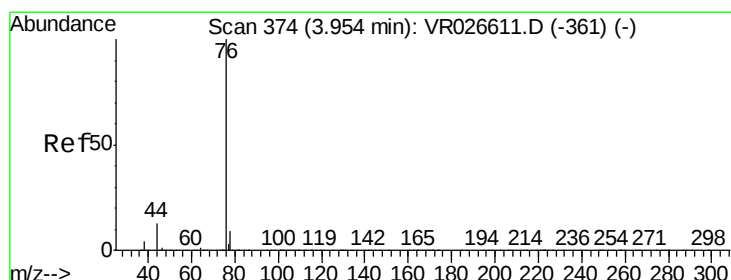
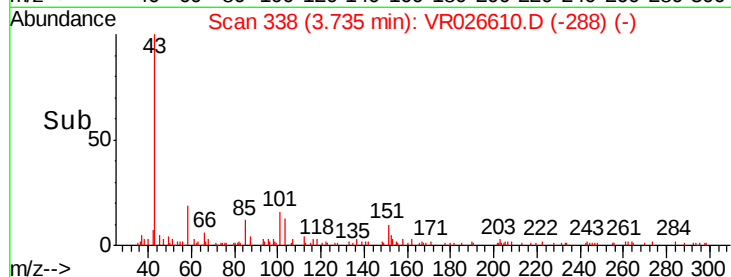
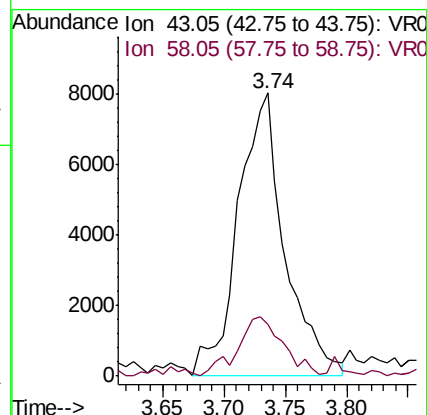
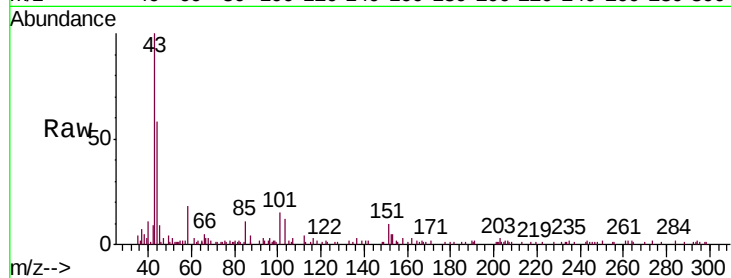
VSTD00163

Tgt Ion: 43 Resp: 21277

Ion Ratio Lower Upper

43 100

58 20.6 0.0 46.2



#14

Carbon disulfide

Concen: 0.629 ug/L

RT: 3.98 min Scan# 378

Delta R.T. 0.02 min

Lab File: VR026610.D

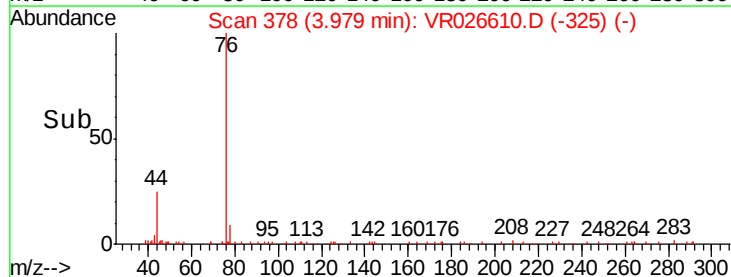
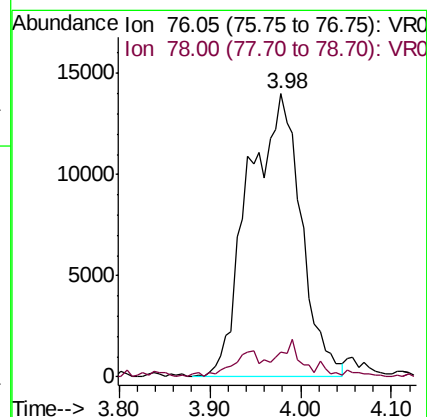
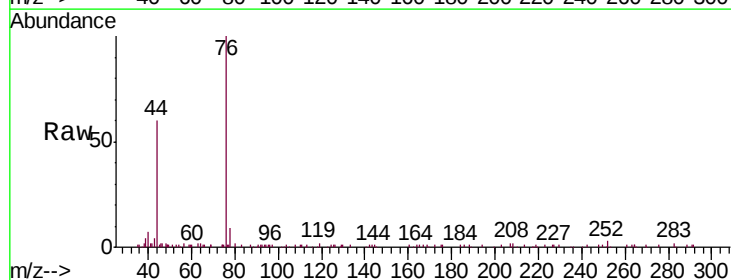
Acq: 10 Sep 2019 16:09

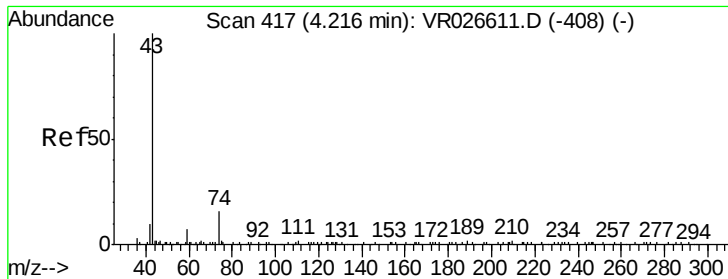
Tgt Ion: 76 Resp: 56359

Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9

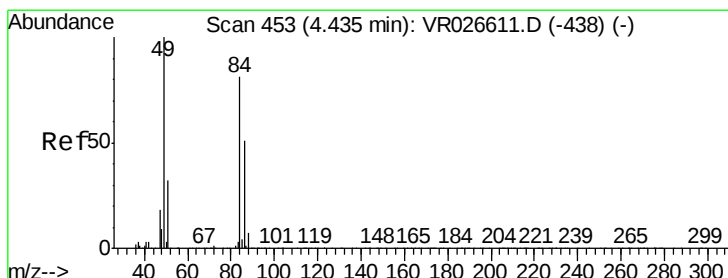
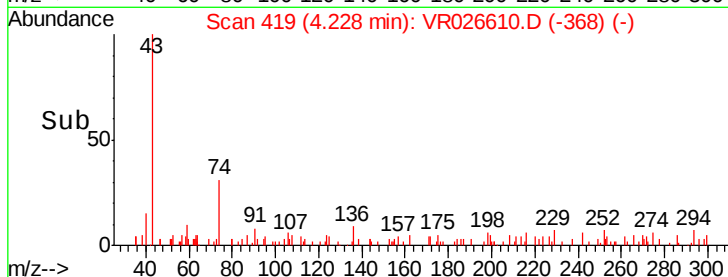
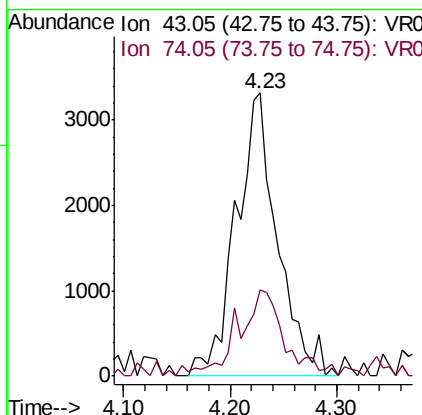
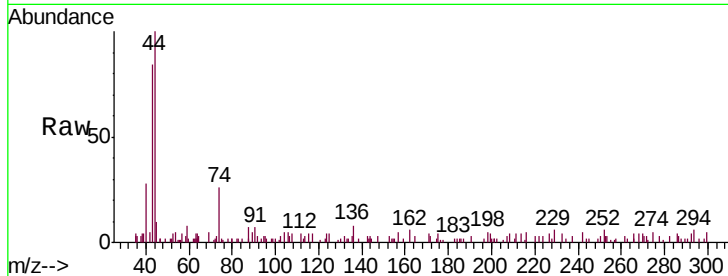




#15
Methyl Acetate
Concen: 1.345 ug/L
RT: 4.23 min Scan# 419
Delta R.T. 0.01 min
Lab File: VR026610.D
Acq: 10 Sep 2019 16:09

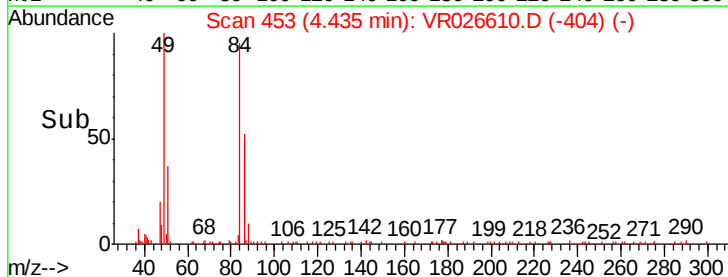
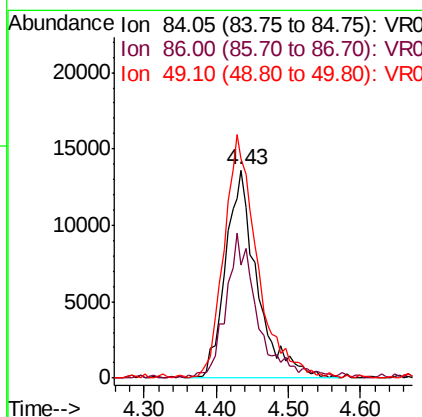
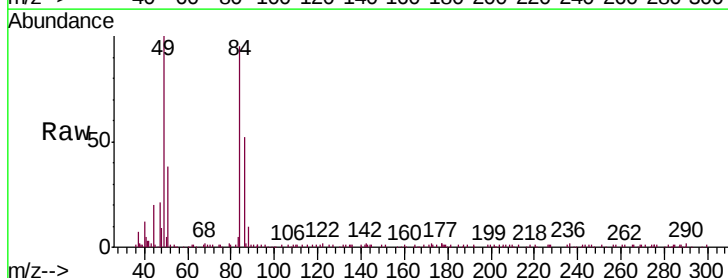
Instrument :
MSVOA_R
ClientSampleId :
VSTD00163

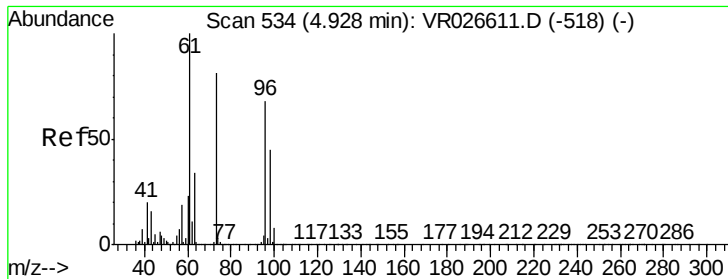
Tgt Ion: 43 Resp: 9055
Ion Ratio Lower Upper
43 100
74 24.4 19.4 29.2



#16
Methylene chloride
Concen: 1.282 ug/L
RT: 4.43 min Scan# 453
Delta R.T. -0.00 min
Lab File: VR026610.D
Acq: 10 Sep 2019 16:09

Tgt Ion: 84 Resp: 41355
Ion Ratio Lower Upper
84 100
86 54.5 43.6 81.0
49 105.6 85.9 159.5





#17

Methyl tert-butyl Ether

Concen: 1.243 ug/L

RT: 4.93 min Scan# 534

Delta R.T. -0.00 min

Lab File: VR026610.D

Acq: 10 Sep 2019 16:09

Instrument :

MSVOA_R

ClientSampleId :

VSTD00163

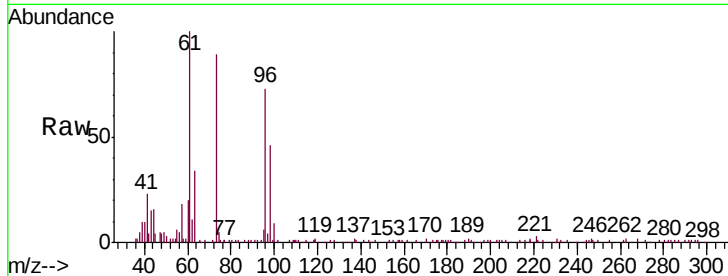
Tgt Ion: 73 Resp: 46231

Ion Ratio Lower Upper

73 100

43 20.8 15.4 23.2

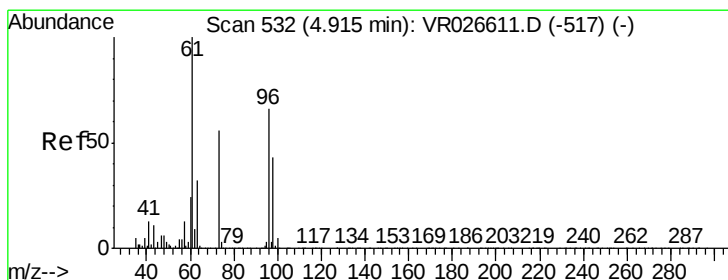
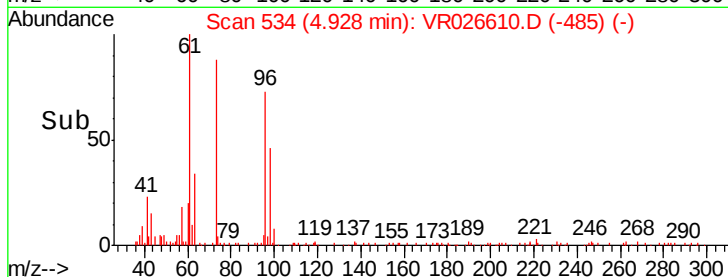
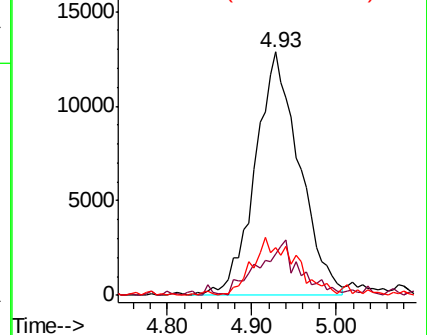
57 23.0 19.0 28.4



Abundance Ion 73.10 (72.80 to 73.80): VR0

Ion 43.05 (42.75 to 43.75): VR0

Ion 57.10 (56.80 to 57.80): VR0



#18

trans-1,2-Dichloroethene

Concen: 1.204 ug/L

RT: 4.92 min Scan# 532

Delta R.T. -0.00 min

Lab File: VR026610.D

Acq: 10 Sep 2019 16:09

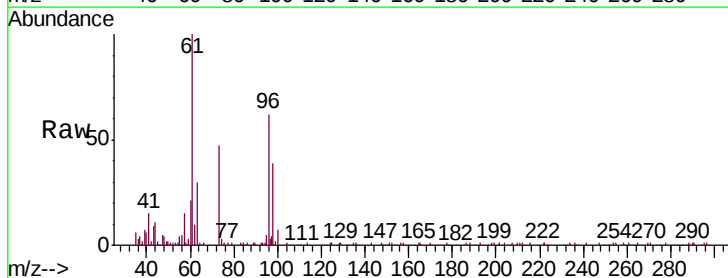
Tgt Ion: 96 Resp: 41158

Ion Ratio Lower Upper

96 100

61 160.4 106.7 198.1

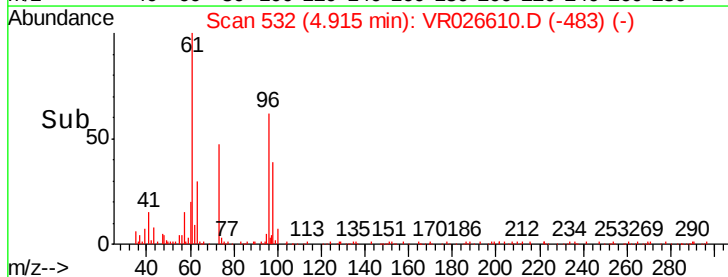
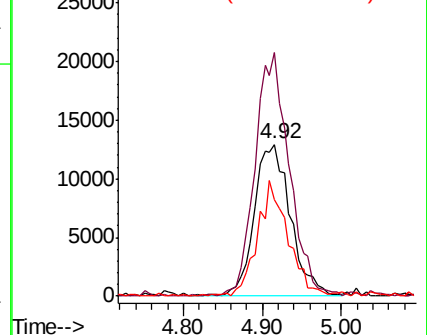
98 63.1 45.4 84.4

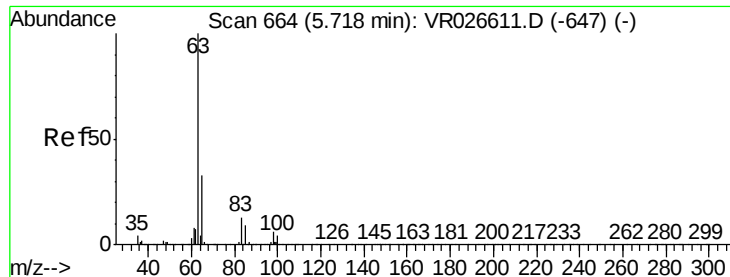


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 97.95 (97.65 to 98.65): VR0

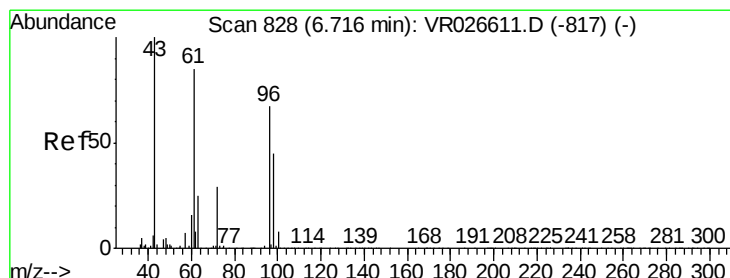
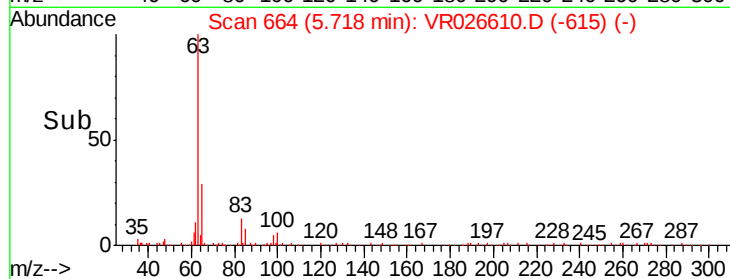
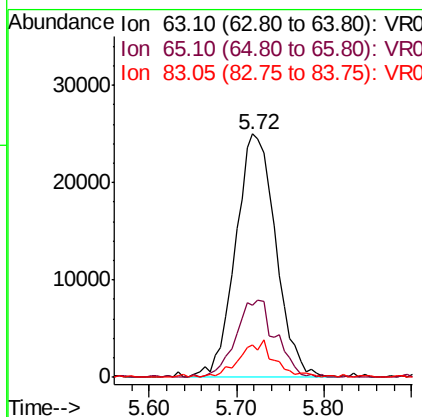
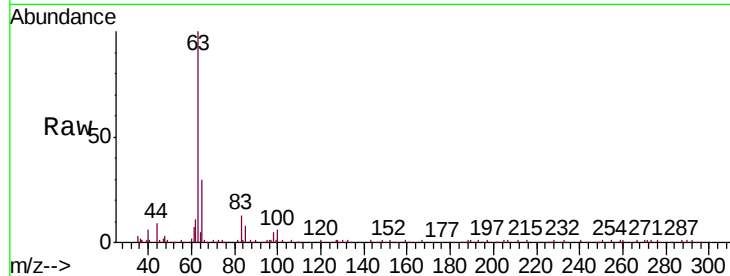




#19
1,1-Dichloroethane
Concen: 1.338 ug/L
RT: 5.72 min Scan# 664
Delta R.T. -0.00 min
Lab File: VR026610.D
Acq: 10 Sep 2019 16:09

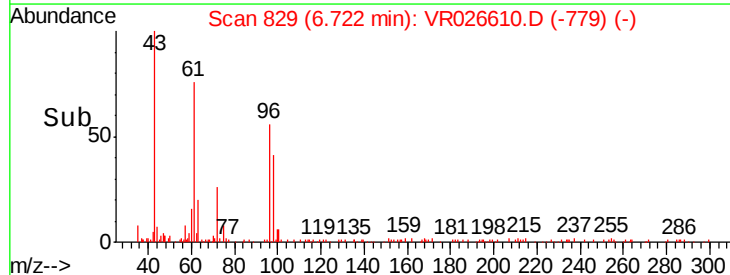
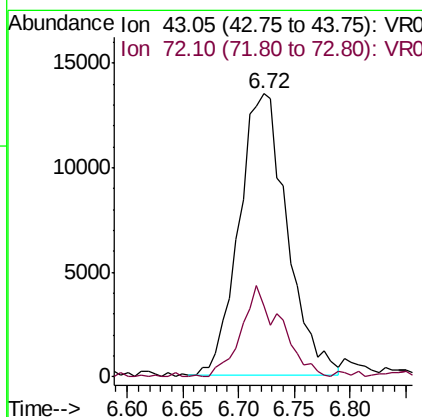
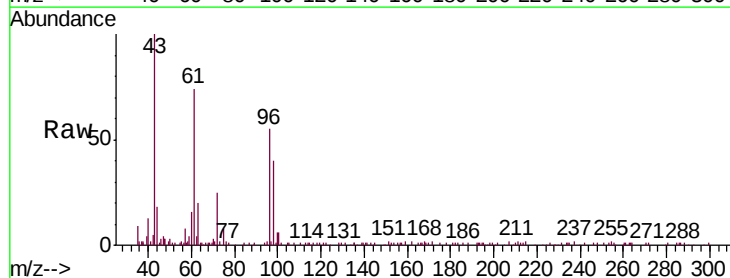
Instrument :
MSVOA_R
ClientSampleId :
VSTD00163

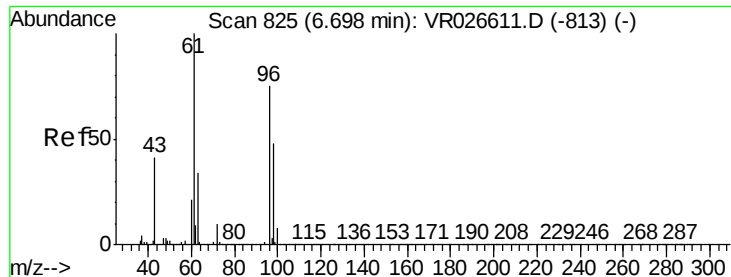
Tgt Ion: 63 Resp: 79712
Ion Ratio Lower Upper
63 100
65 29.5 23.2 43.0
83 13.3 9.5 17.7



#21
2-Butanone
Concen: 12.602 ug/L
RT: 6.72 min Scan# 829
Delta R.T. 0.01 min
Lab File: VR026610.D
Acq: 10 Sep 2019 16:09

Tgt Ion: 43 Resp: 40443
Ion Ratio Lower Upper
43 100
72 26.7 14.2 42.6



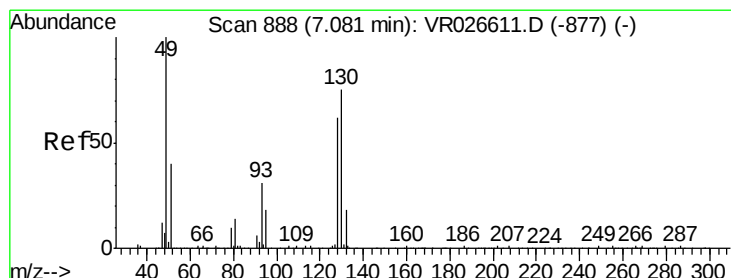
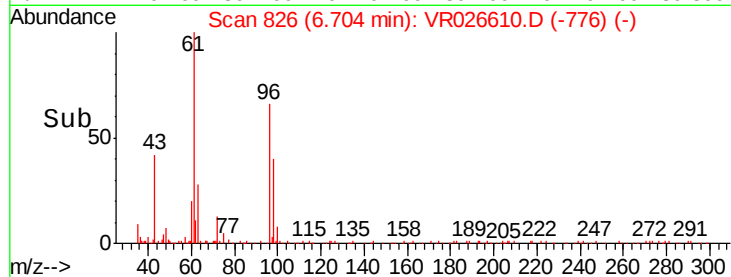
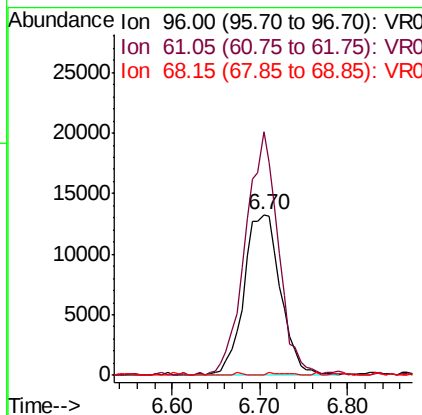
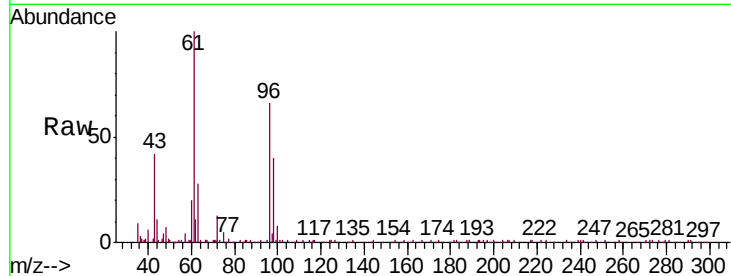


#22

cis-1,2-Dichloroethene
 Concen: 1.175 ug/L
 RT: 6.70 min Scan# 826
 Delta R.T. 0.01 min
 Lab File: VR026610.D
 Acq: 10 Sep 2019 16:09

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00163

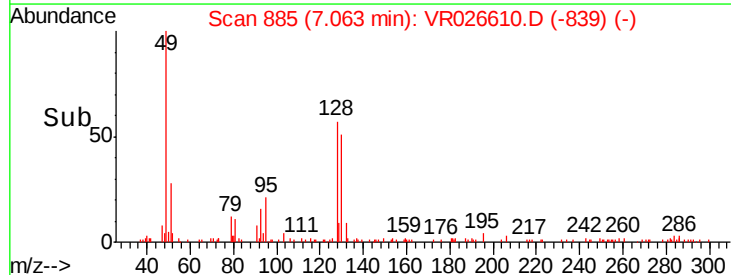
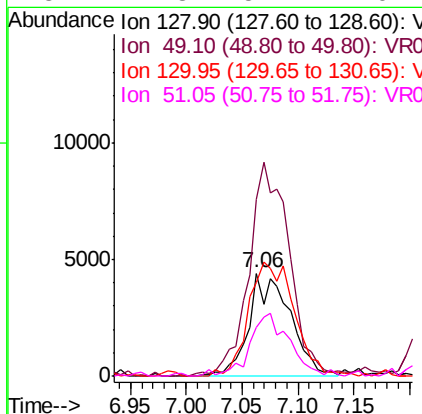
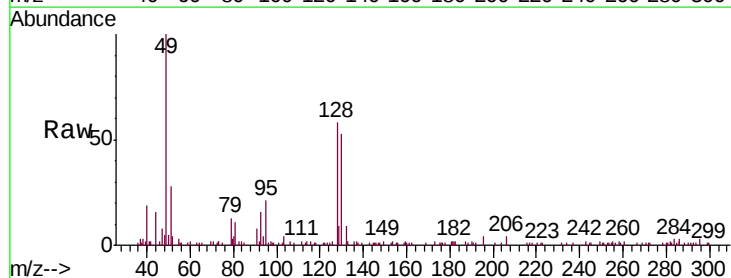
Tgt Ion: 96 Resp: 38662
 Ion Ratio Lower Upper
 96 100
 61 151.2 94.0 174.6
 68 0.0 0.1 0.1#

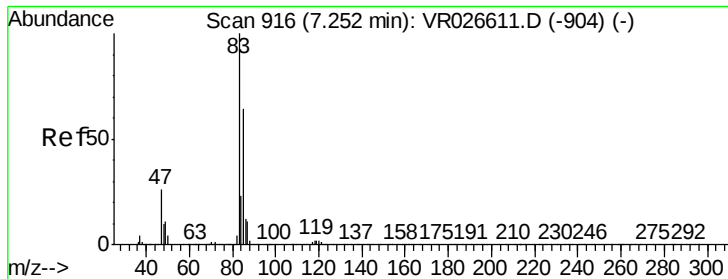


#23

Bromochloromethane
 Concen: 1.228 ug/L
 RT: 7.06 min Scan# 885
 Delta R.T. -0.02 min
 Lab File: VR026610.D
 Acq: 10 Sep 2019 16:09

Tgt Ion: 128 Resp: 11341
 Ion Ratio Lower Upper
 128 100
 49 171.8 113.2 210.2
 130 91.0 84.1 156.1
 51 47.8 51.1 76.7#





#25

Chloroform

Concen: 1.336 ug/L

RT: 7.26 min Scan# 917

Delta R.T. 0.01 min

Lab File: VR026610.D

Acq: 10 Sep 2019 16:09

Instrument :

MSVOA_R

ClientSampleId :

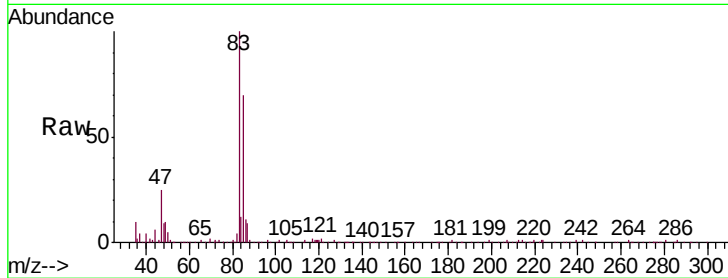
VSTD00163

Tgt Ion: 83 Resp: 73718

Ion Ratio Lower Upper

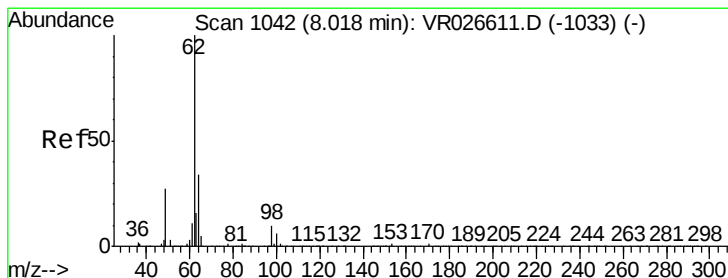
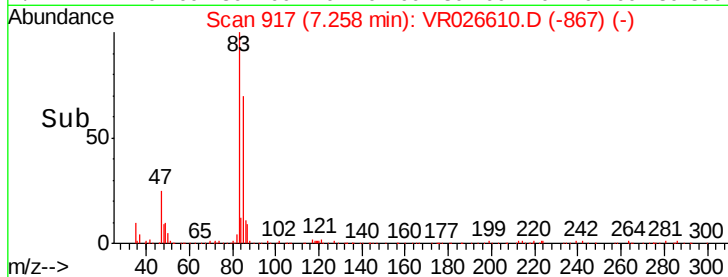
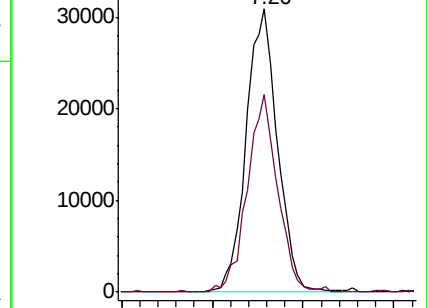
83 100

85 69.9 44.5 82.7



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0



#27

1,2-Dichloroethane

Concen: 1.372 ug/L

RT: 8.02 min Scan# 1042

Delta R.T. -0.00 min

Lab File: VR026610.D

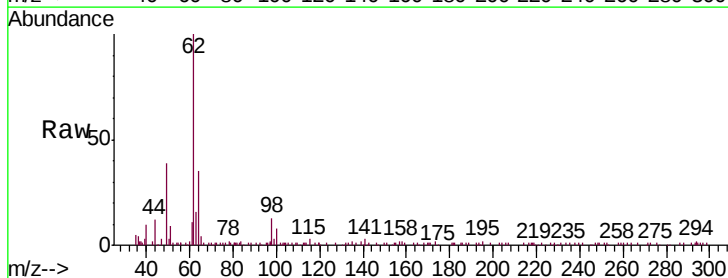
Acq: 10 Sep 2019 16:09

Tgt Ion: 62 Resp: 26285

Ion Ratio Lower Upper

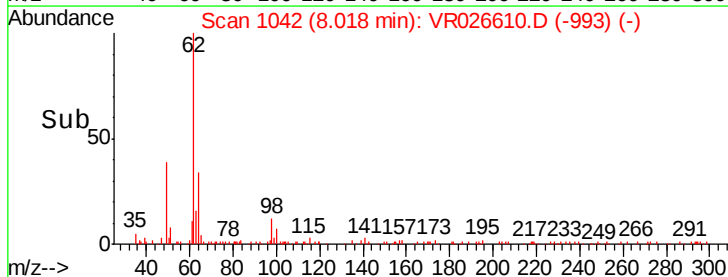
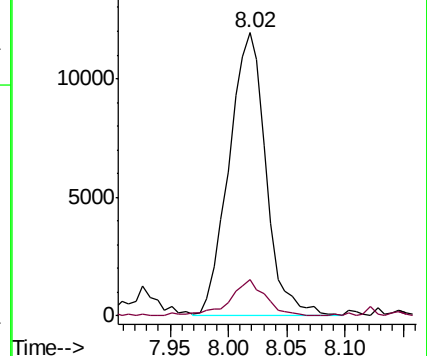
62 100

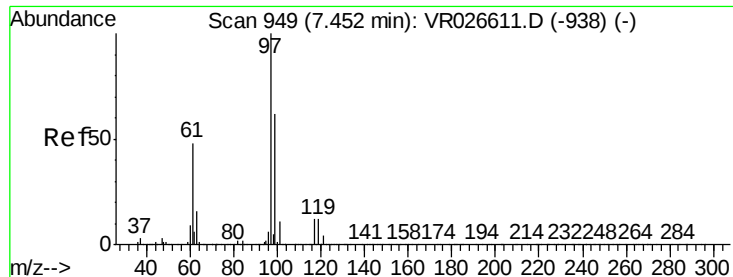
98 12.9 7.8 11.8#



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0

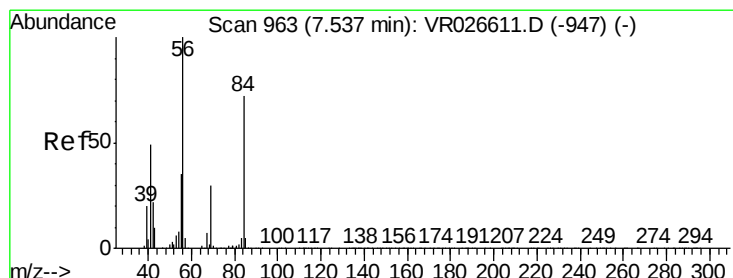
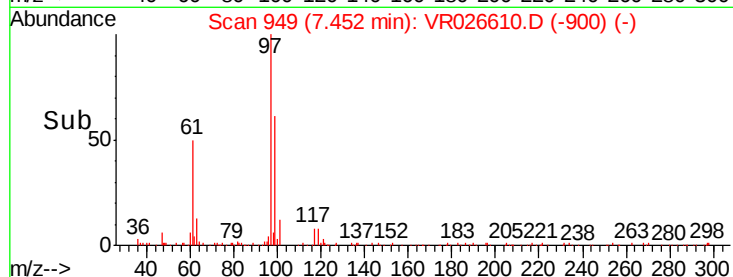
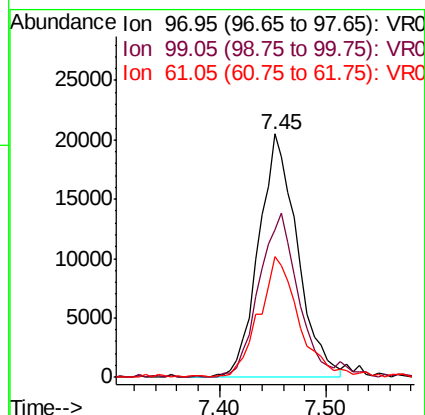
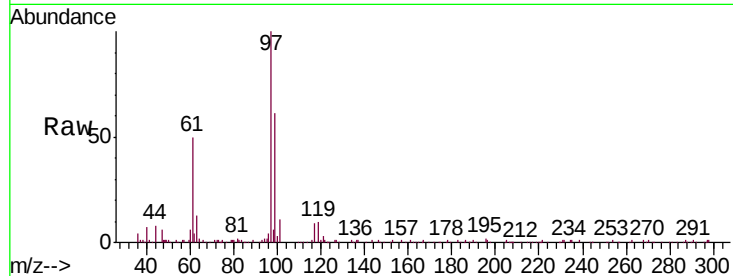




#29
1,1,1-Trichloroethane
Concen: 1.207 ug/L
RT: 7.45 min Scan# 949
Delta R.T. -0.00 min
Lab File: VR026610.D
Acq: 10 Sep 2019 16:09

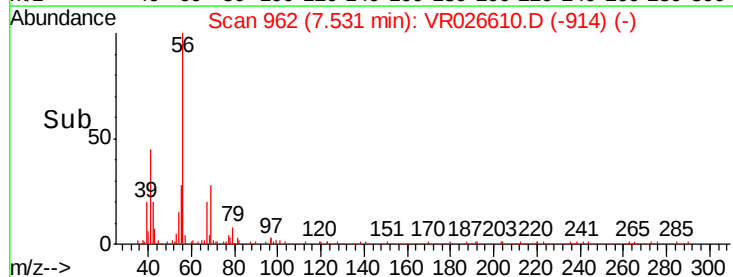
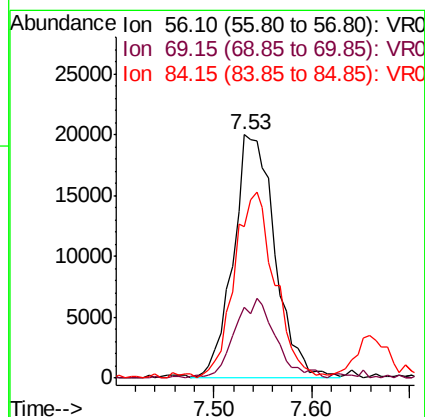
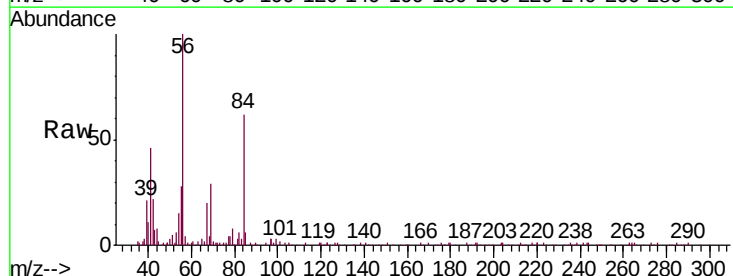
Instrument :
MSVOA_R
ClientSampleId :
VSTD00163

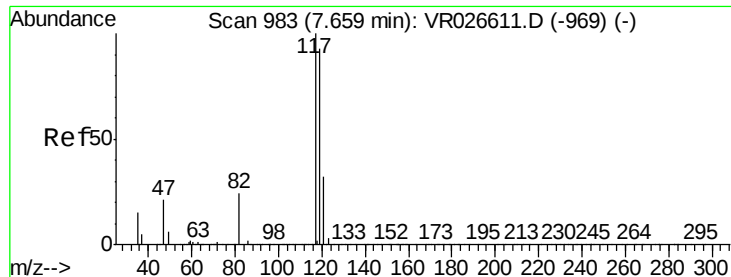
Tgt Ion: 97 Resp: 52062
Ion Ratio Lower Upper
97 100
99 67.7 50.8 76.2
61 51.8 39.2 58.8



#30
Cyclohexane
Concen: 0.955 ug/L
RT: 7.53 min Scan# 962
Delta R.T. -0.01 min
Lab File: VR026610.D
Acq: 10 Sep 2019 16:09

Tgt Ion: 56 Resp: 59205
Ion Ratio Lower Upper
56 100
69 32.3 25.0 37.4
84 74.7 63.6 95.4





#31

Carbon tetrachloride

Concen: 1.169 ug/L

RT: 7.66 min Scan# 983

Delta R.T. -0.00 min

Lab File: VR026610.D

Acq: 10 Sep 2019 16:09

Instrument :

MSVOA_R

ClientSampleId :

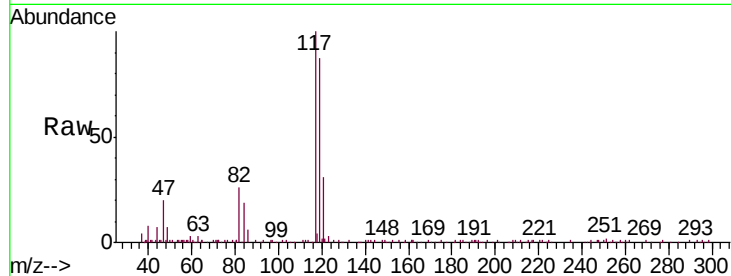
VSTD00163

Tgt Ion:117 Resp: 44051

Ion Ratio Lower Upper

117 100

119 95.1 76.7 115.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

7.66

20000

15000

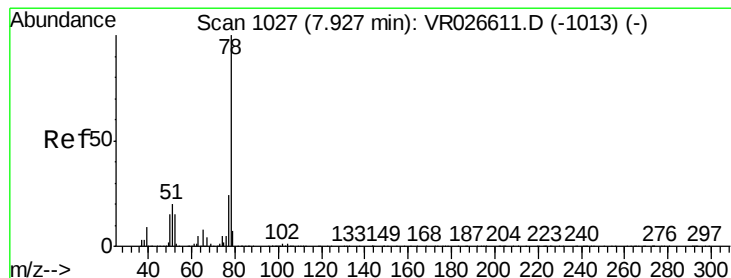
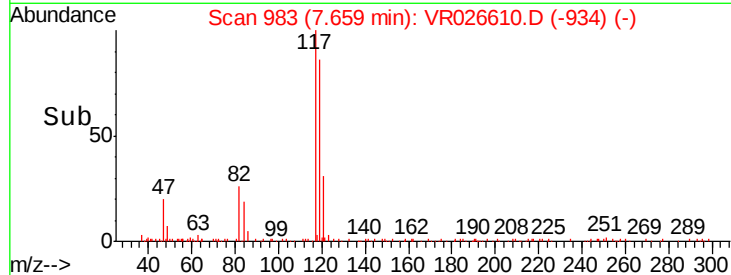
10000

5000

0

Time-->

7.60 7.70



#33

Benzene

Concen: 1.228 ug/L

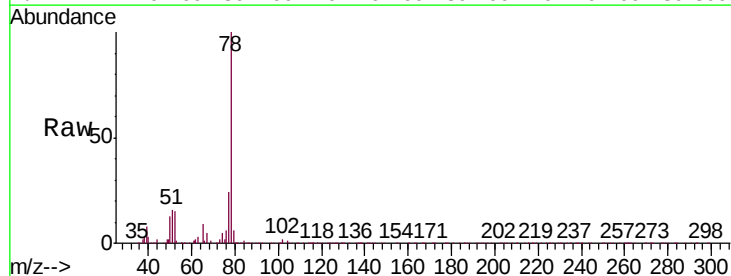
RT: 7.93 min Scan# 1027

Delta R.T. -0.00 min

Lab File: VR026610.D

Acq: 10 Sep 2019 16:09

Tgt Ion: 78 Resp: 163476



Abundance Ion 78.10 (77.80 to 78.80): VR0

7.93

80000

60000

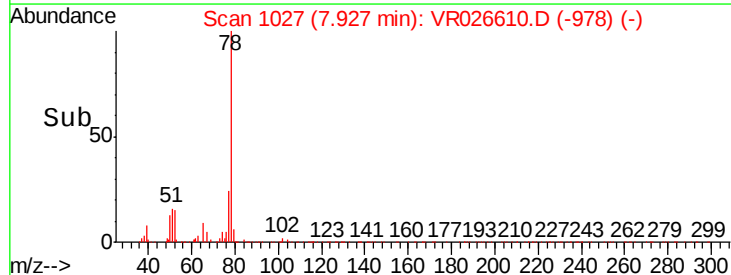
40000

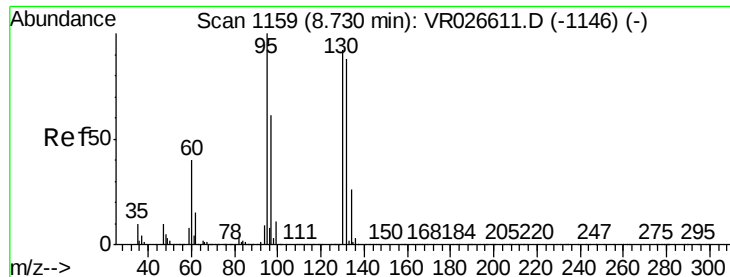
20000

0

Time-->

7.80 7.90 8.00





#34

Trichloroethene

Concen: 1.229 ug/L

RT: 8.73 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VR026610.D

Acq: 10 Sep 2019 16:09

Instrument :

MSVOA_R

ClientSampleId :

VSTD00163

Tgt Ion: 95 Resp: 39765

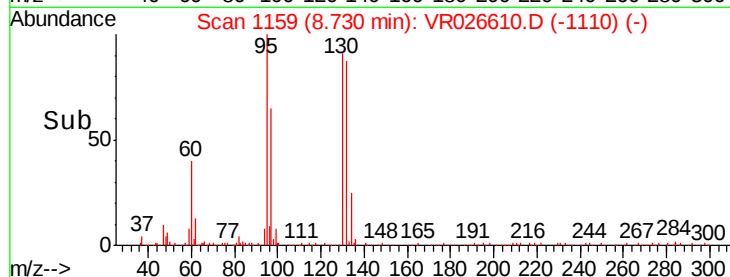
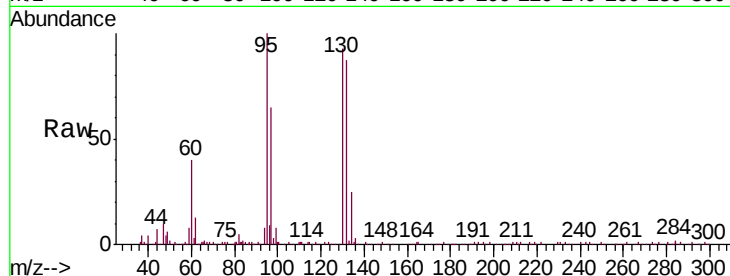
Ion Ratio Lower Upper

95 100

97 65.2 42.8 79.4

132 87.3 61.5 114.1

130 92.5 64.5 119.7

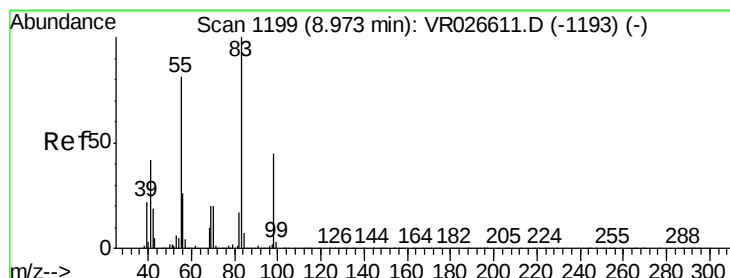
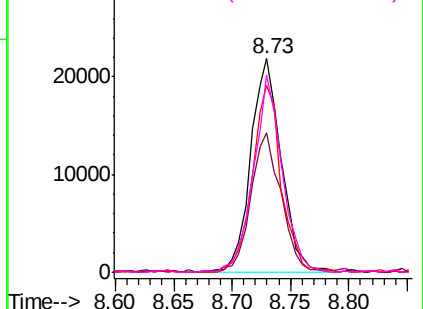


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 0.982 ug/L

RT: 8.97 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VR026610.D

Acq: 10 Sep 2019 16:09

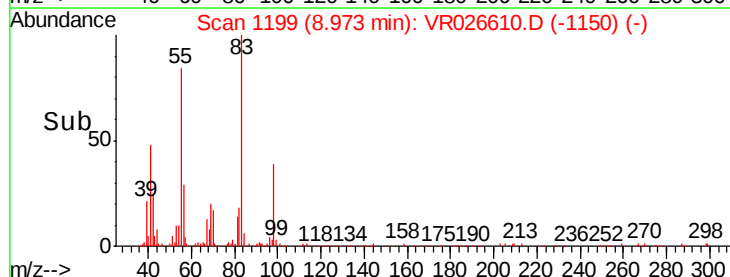
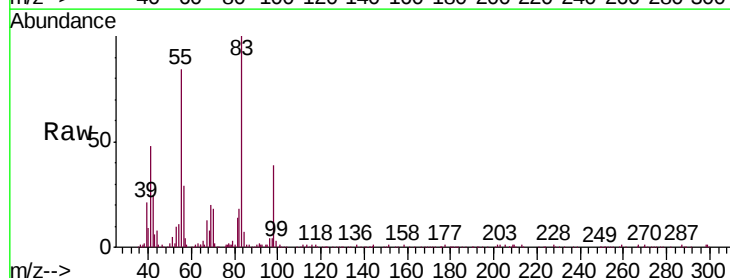
Tgt Ion: 83 Resp: 55137

Ion Ratio Lower Upper

83 100

55 79.6 65.0 97.6

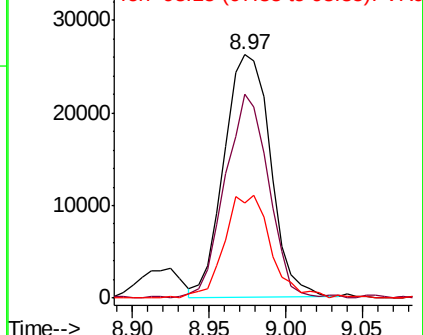
98 42.3 35.8 53.8

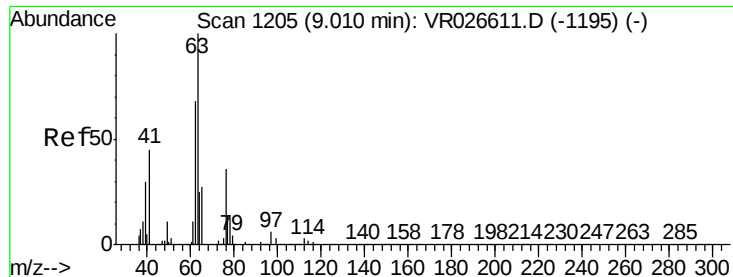


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

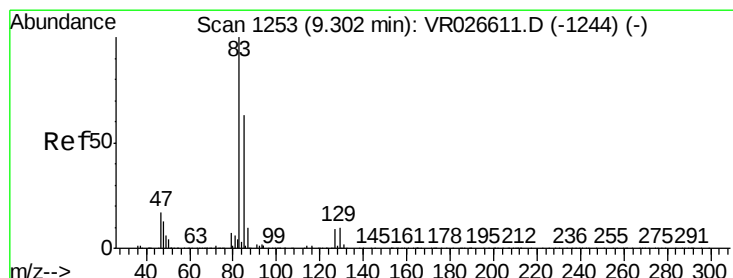
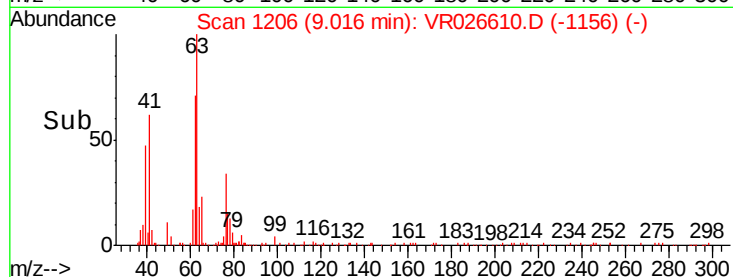
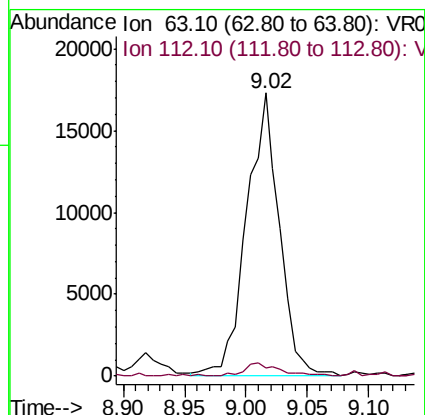
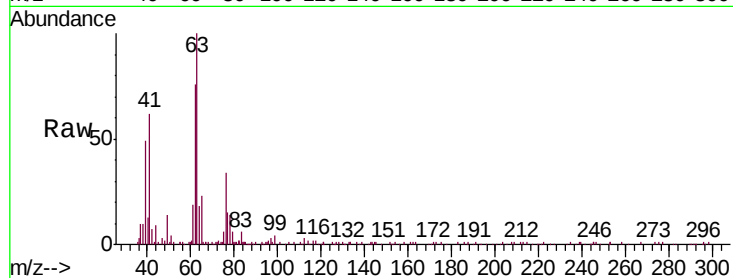




#37
 1,2-Dichloropropane
 Concen: 1.224 ug/L
 RT: 9.02 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VR026610.D
 Acq: 10 Sep 2019 16:09

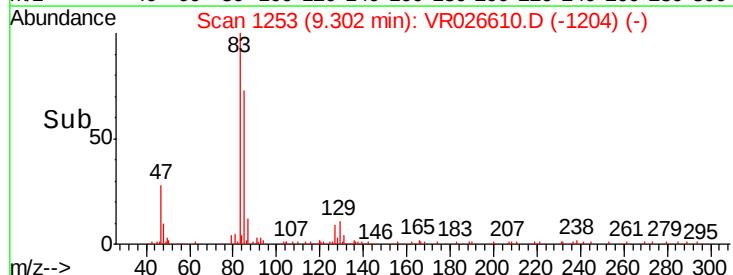
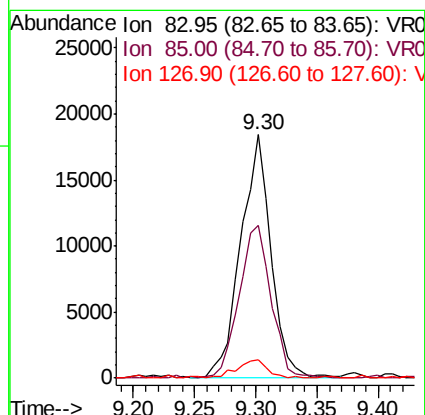
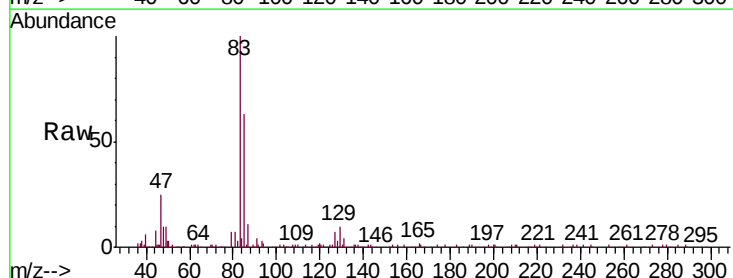
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00163

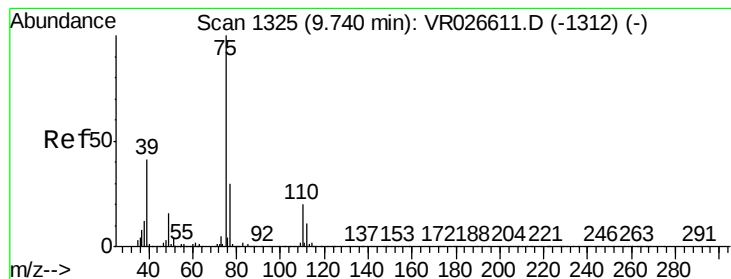
Tgt Ion: 63 Resp: 32301
 Ion Ratio Lower Upper
 63 100
 112 5.2 2.9 4.3#



#38
 Bromodichloromethane
 Concen: 1.212 ug/L
 RT: 9.30 min Scan# 1253
 Delta R.T. 0.00 min
 Lab File: VR026610.D
 Acq: 10 Sep 2019 16:09

Tgt Ion: 83 Resp: 31712
 Ion Ratio Lower Upper
 83 100
 85 62.7 44.0 81.6
 127 7.5 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 1.025 ug/L

RT: 9.74 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VR026610.D

Acq: 10 Sep 2019 16:09

Instrument :

MSVOA_R

ClientSampleId :

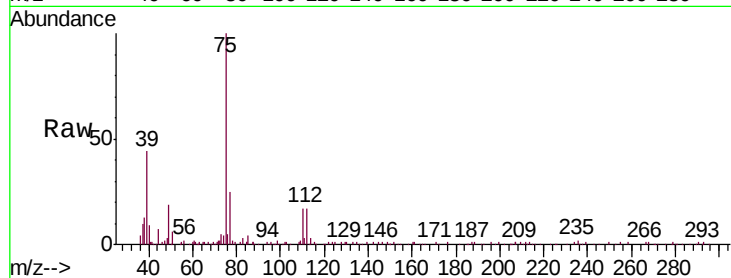
VSTD00163

Tgt Ion: 75 Resp: 30018

Ion Ratio Lower Upper

75 100

77 25.4 21.0 39.0



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

20000

15000

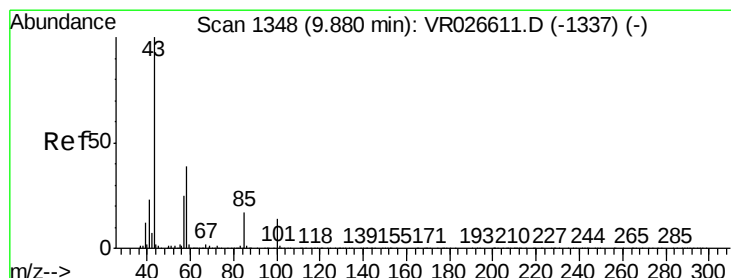
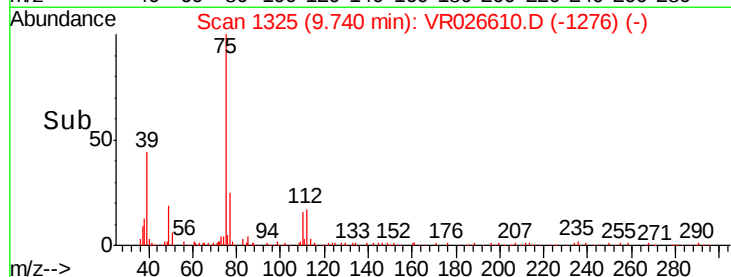
10000

5000

0

9.65 9.70 9.75 9.80

Time-->



#40

4-Methyl-2-pentanone

Concen: 11.422 ug/L

RT: 9.89 min Scan# 1349

Delta R.T. 0.01 min

Lab File: VR026610.D

Acq: 10 Sep 2019 16:09

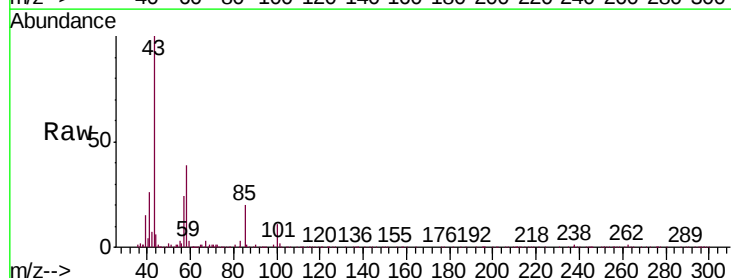
Tgt Ion: 43 Resp: 85550

Ion Ratio Lower Upper

43 100

58 41.0 31.6 47.4

100 14.1 11.4 17.0



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0

60000

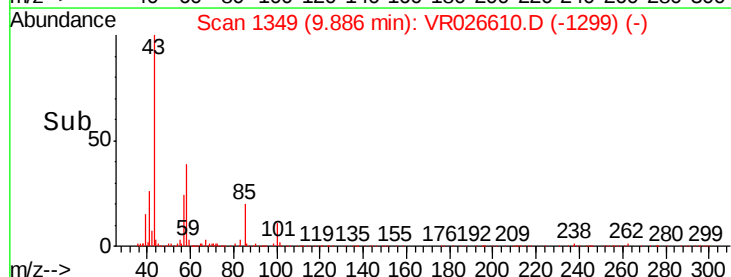
40000

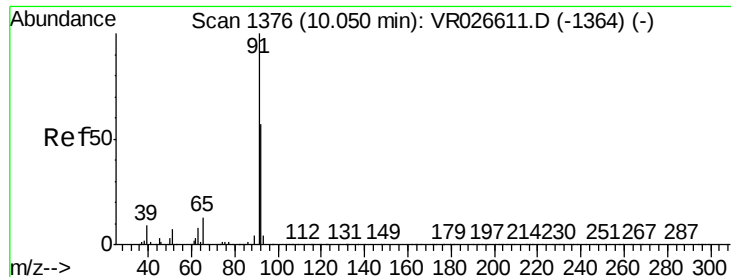
20000

0

9.80 9.85 9.90 9.95

Time-->





#42

Toluene

Concen: 1.215 ug/L

RT: 10.05 min Scan# 1376

Delta R.T. -0.00 min

Lab File: VR026610.D

Acq: 10 Sep 2019 16:09

Instrument :

MSVOA_R

ClientSampleId :

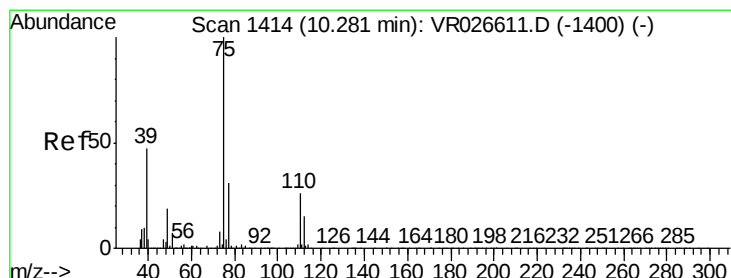
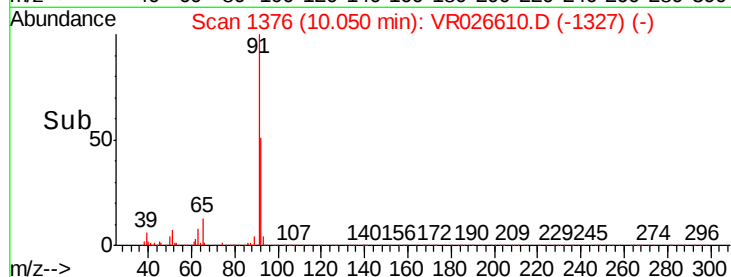
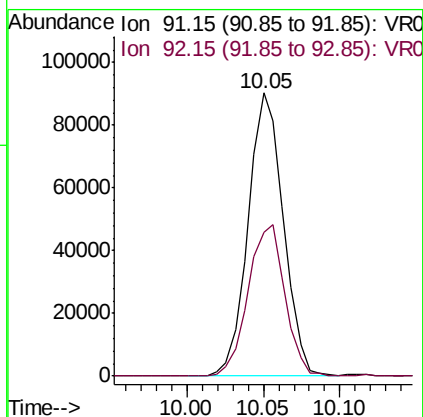
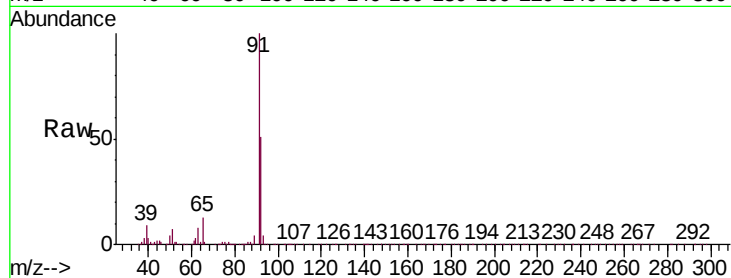
VSTD00163

Tgt Ion: 91 Resp: 144684

Ion Ratio Lower Upper

91 100

92 50.7 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 1.069 ug/L

RT: 10.28 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VR026610.D

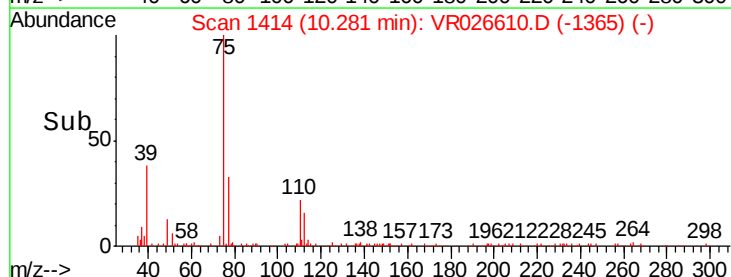
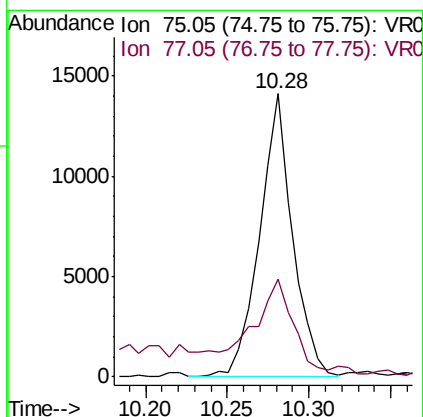
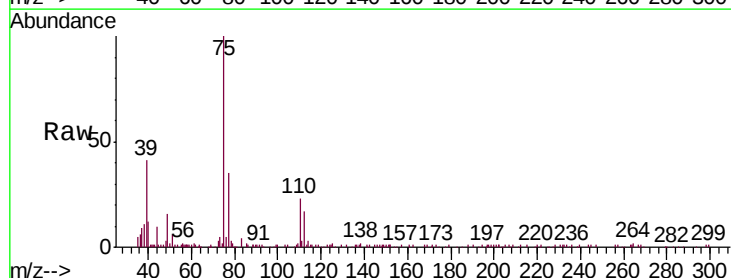
Acq: 10 Sep 2019 16:09

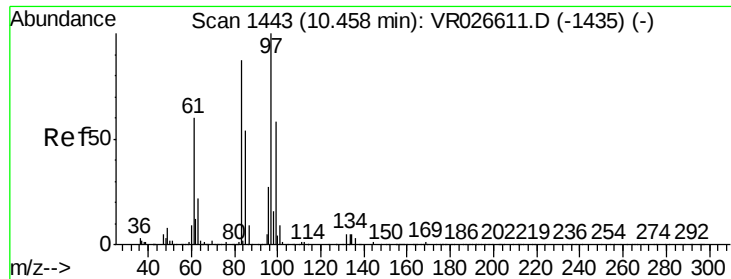
Tgt Ion: 75 Resp: 19740

Ion Ratio Lower Upper

75 100

77 34.6 24.3 45.1

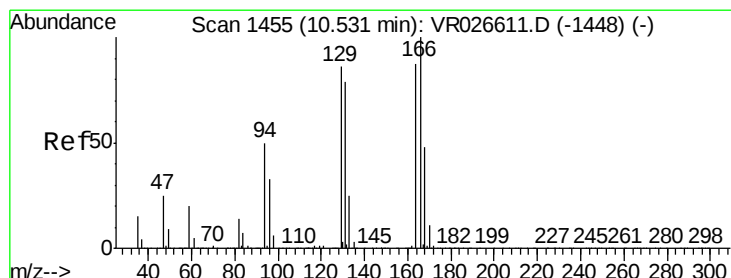
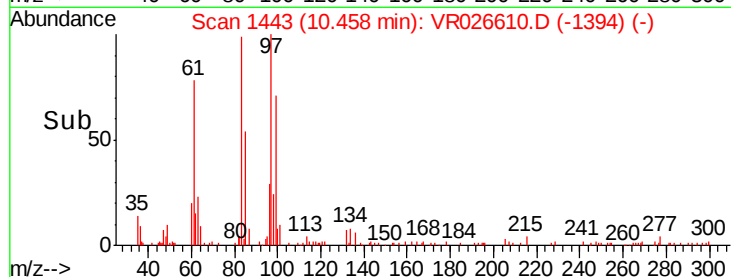
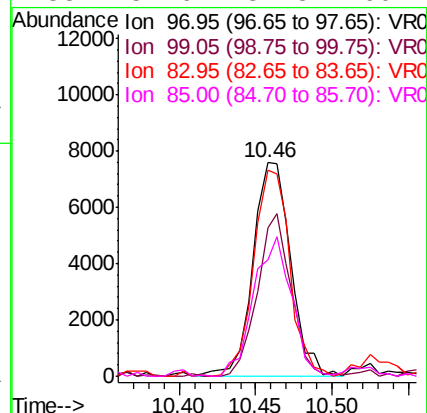
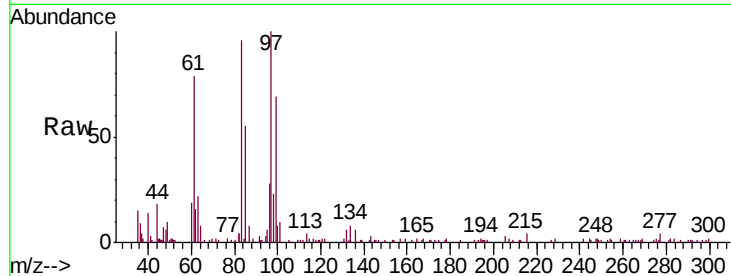




#45
 1,1,2-Trichloroethane
 Concen: 1.213 ug/L
 RT: 10.46 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VR026610.D
 Acq: 10 Sep 2019 16:09

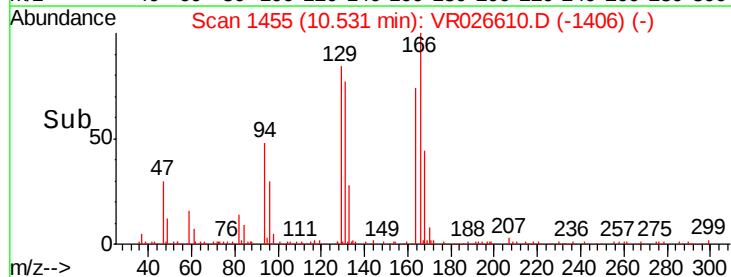
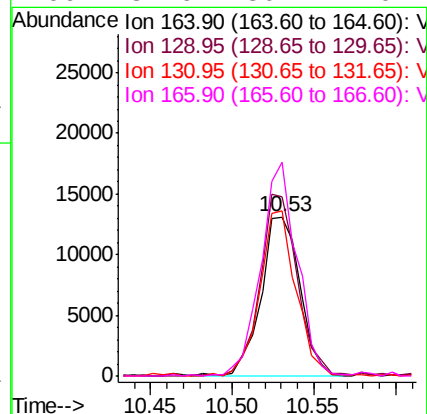
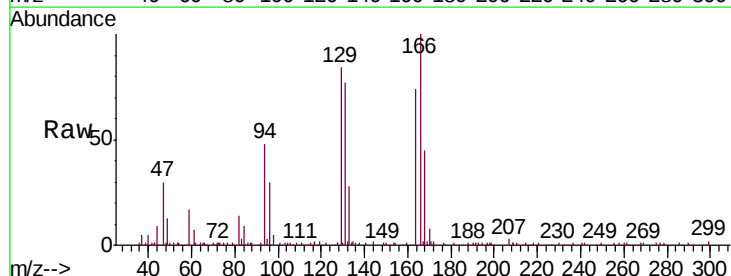
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00163

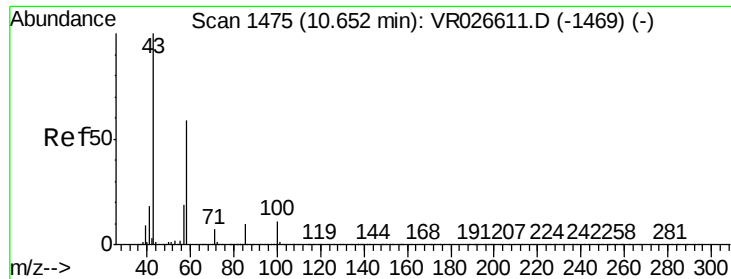
Tgt Ion:	97	Resp:	13009
Ion	Ratio	Lower	Upper
97	100		
99	69.3	40.4	75.0
83	96.3	61.2	113.8
85	54.6	37.5	69.7



#47
 Tetrachloroethene
 Concen: 1.117 ug/L
 RT: 10.53 min Scan# 1455
 Delta R.T. -0.00 min
 Lab File: VR026610.D
 Acq: 10 Sep 2019 16:09

Tgt Ion:	164	Resp:	21797
Ion	Ratio	Lower	Upper
164	100		
129	112.7	69.4	128.8
131	103.9	63.6	118.0
166	134.6	80.4	149.2

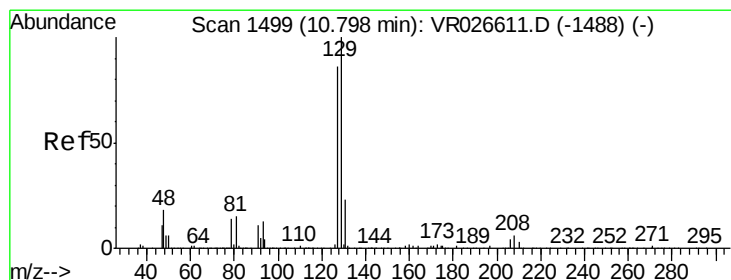
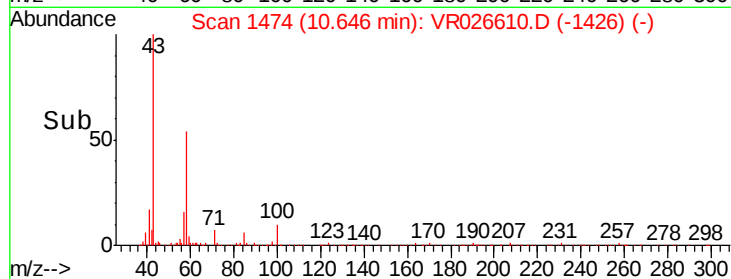
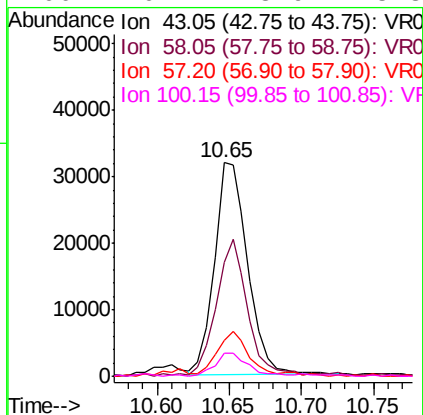
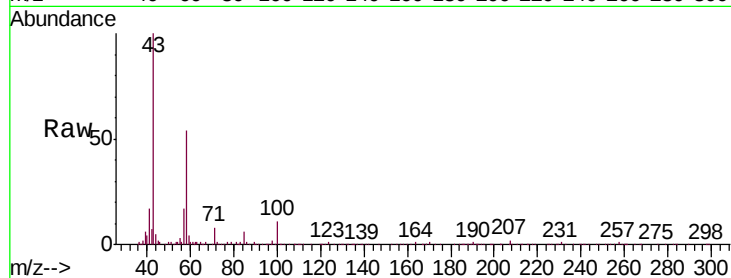




#48
2-Hexanone
Concen: 11.608 ug/L
RT: 10.65 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VR026610.D
Acq: 10 Sep 2019 16:09

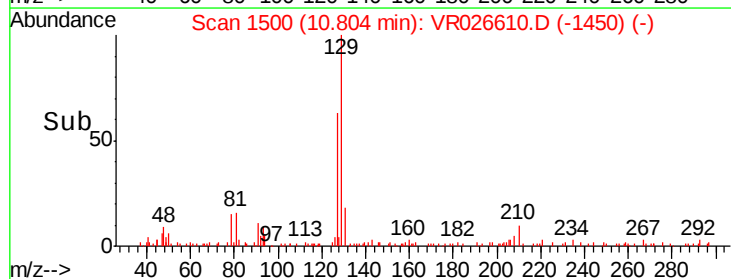
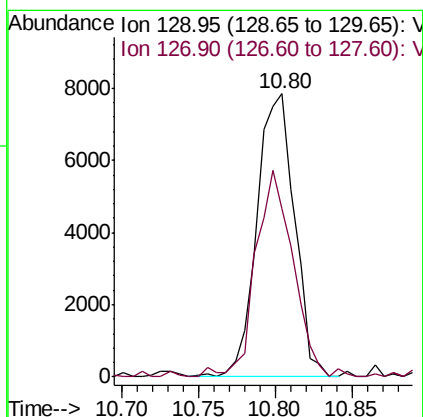
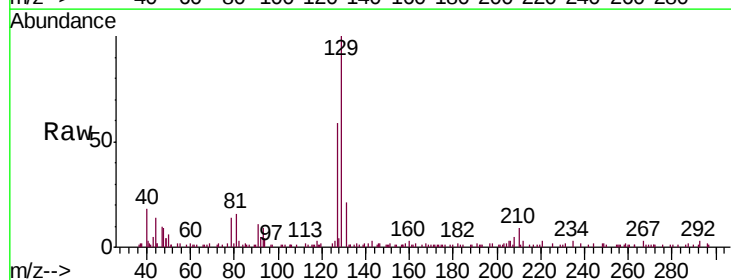
Instrument :
MSVOA_R
ClientSampleId :
VSTD00163

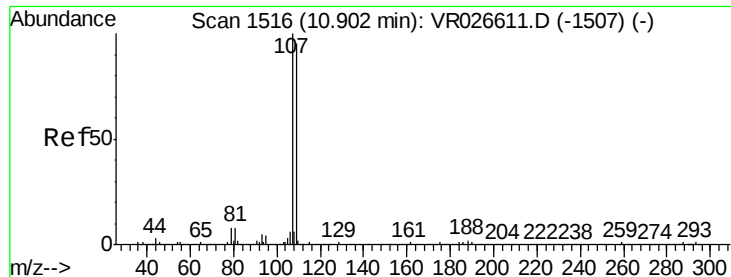
Tgt Ion:	43	Resp:	51304
Ion	Ratio	Lower	Upper
43	100		
58	59.7	46.0	69.0
57	20.8	16.1	24.1
100	10.7	8.9	13.3



#49
Dibromochloromethane
Concen: 1.143 ug/L
RT: 10.80 min Scan# 1500
Delta R.T. 0.01 min
Lab File: VR026610.D
Acq: 10 Sep 2019 16:09

Tgt Ion:	129	Resp:	13375
Ion	Ratio	Lower	Upper
129	100		
127	59.3	59.9	111.3#

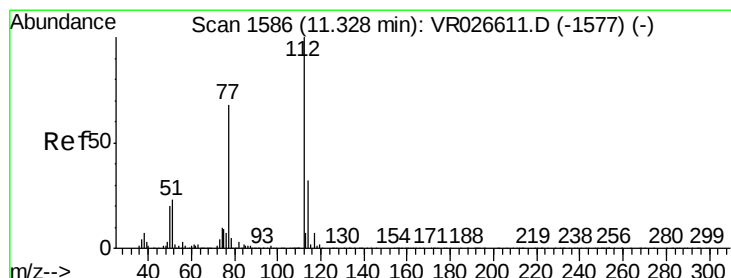
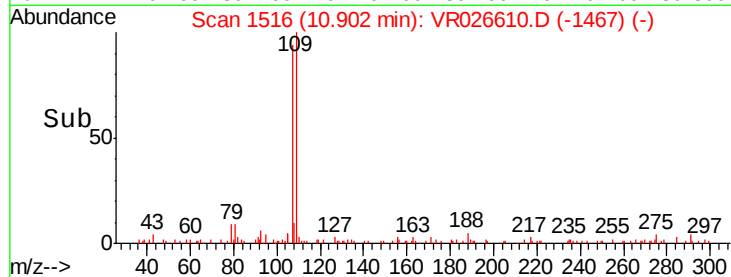
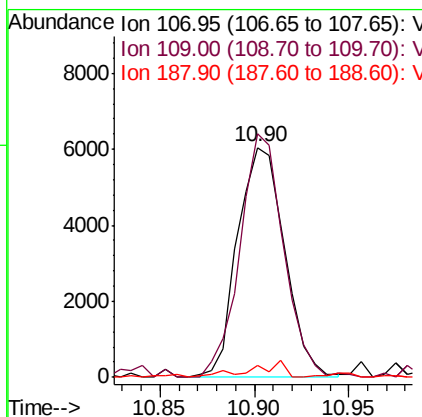
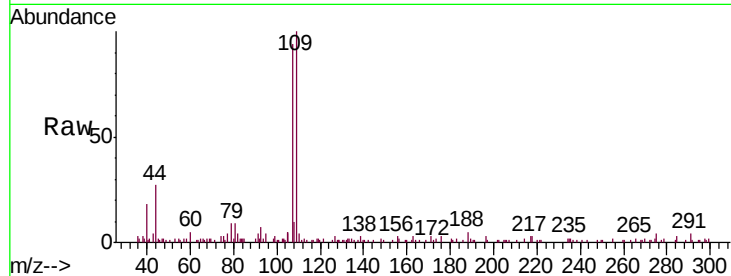




#50
1,2-Dibromoethane
Concen: 1.074 ug/L
RT: 10.90 min Scan# 1516
Delta R.T. -0.00 min
Lab File: VR026610.D
Acq: 10 Sep 2019 16:09

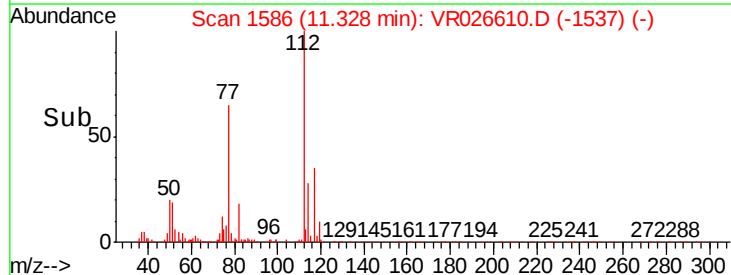
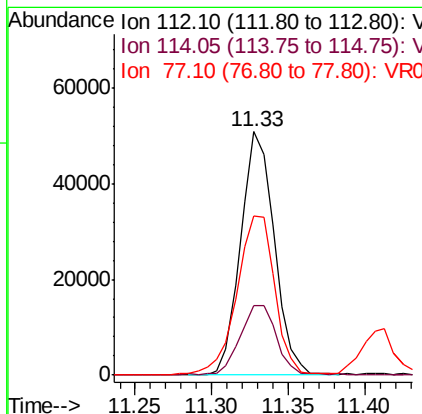
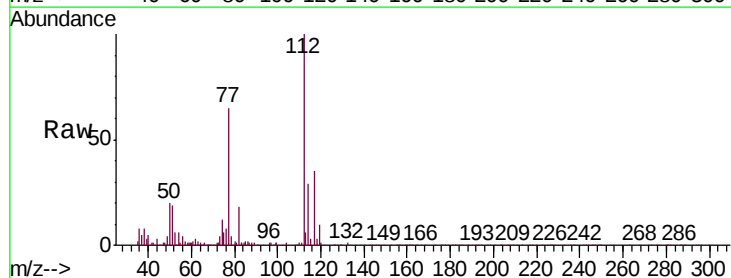
Instrument :
MSVOA_R
ClientSampleId :
VSTD00163

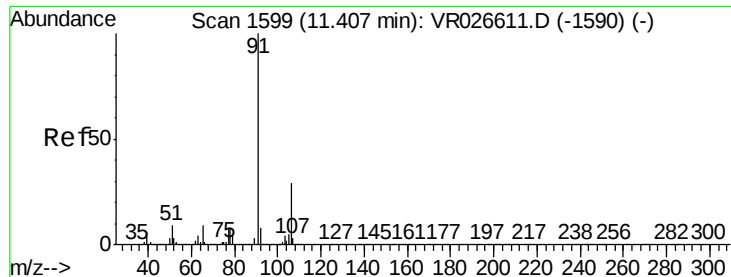
Tgt Ion:107 Resp: 10479
Ion Ratio Lower Upper
107 100
109 106.1 66.8 124.2
188 5.1 1.9 2.9#



#51
Chlorobenzene
Concen: 1.261 ug/L
RT: 11.33 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VR026610.D
Acq: 10 Sep 2019 16:09

Tgt Ion:112 Resp: 77748
Ion Ratio Lower Upper
112 100
114 28.6 22.7 42.3
77 65.3 54.3 81.5





#52

Ethylbenzene

Concen: 1.230 ug/L

RT: 11.41 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VR026610.D

Acq: 10 Sep 2019 16:09

Instrument :

MSVOA_R

ClientSampleId :

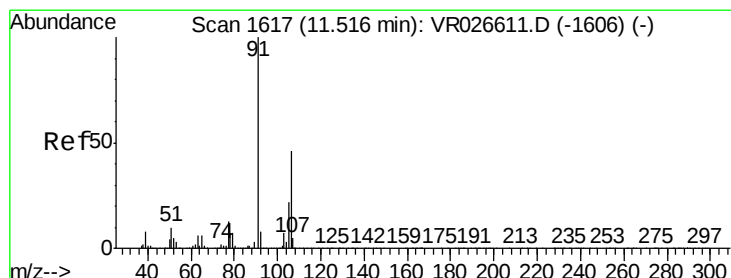
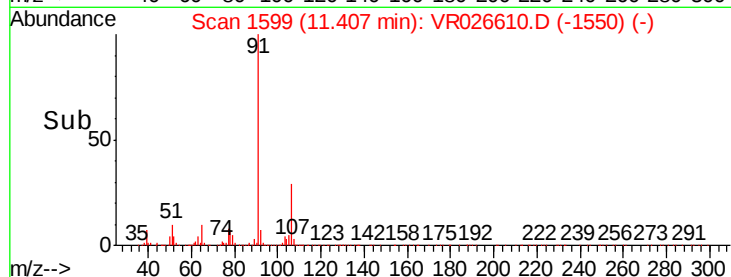
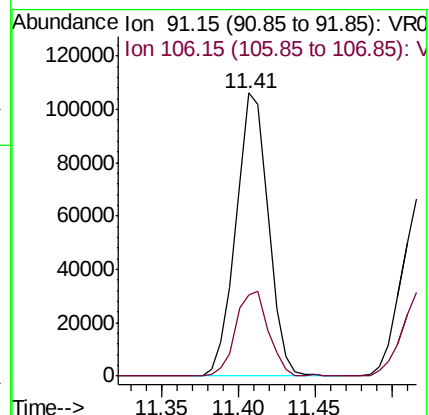
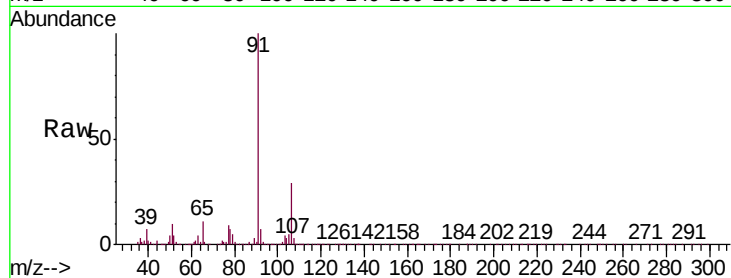
VSTD00163

Tgt Ion: 91 Resp: 155856

Ion Ratio Lower Upper

91 100

106 28.6 20.6 38.2



#53

m,p-Xylene

Concen: 1.170 ug/L

RT: 11.52 min Scan# 1617

Delta R.T. -0.00 min

Lab File: VR026610.D

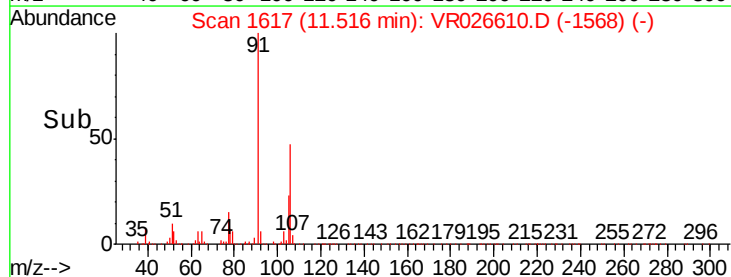
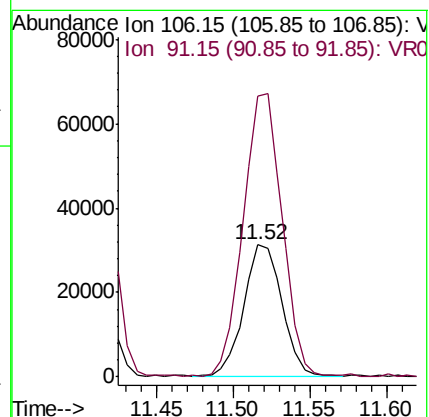
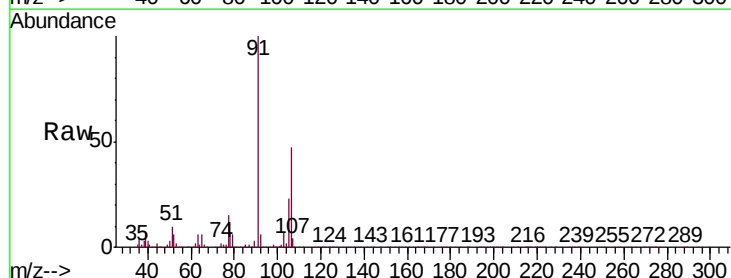
Acq: 10 Sep 2019 16:09

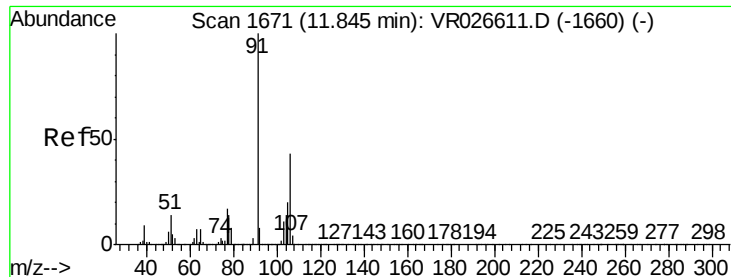
Tgt Ion: 106 Resp: 54902

Ion Ratio Lower Upper

106 100

91 212.9 151.8 282.0

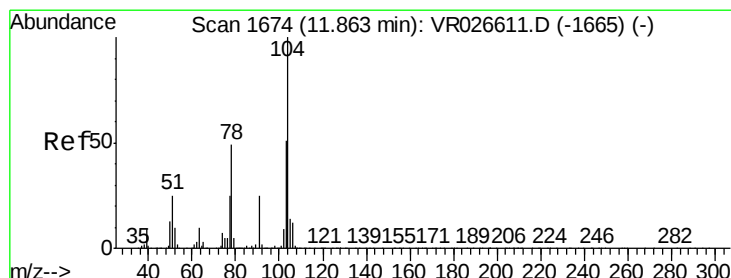
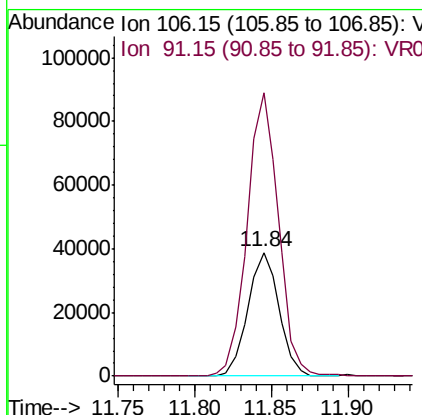
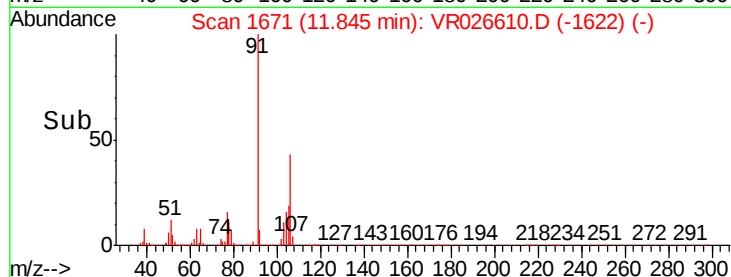
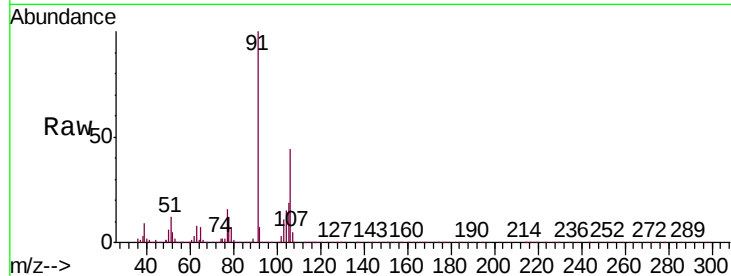




#54
o-Xylene
Concen: 1.193 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR026610.D
Acq: 10 Sep 2019 16:09

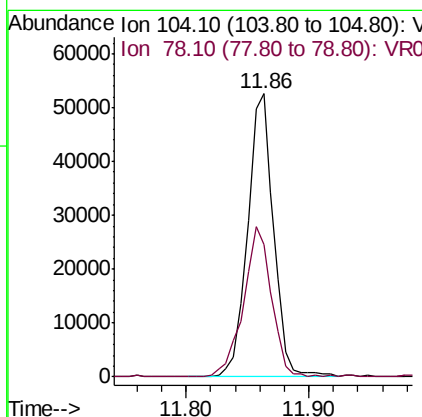
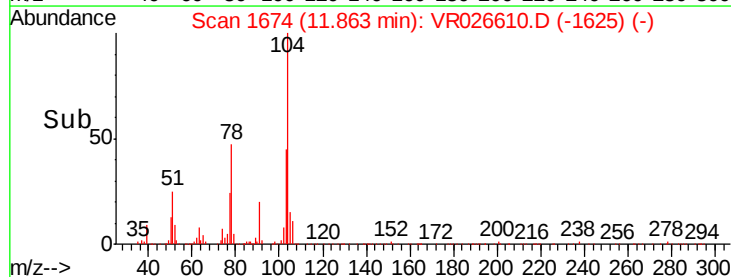
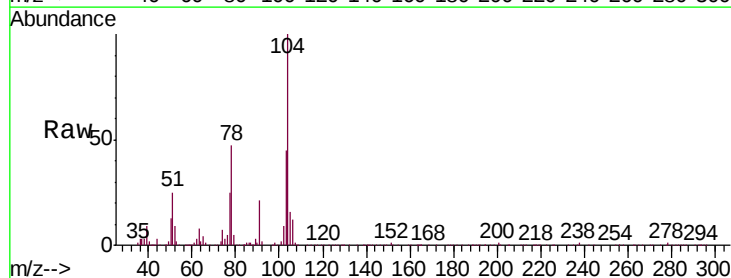
Instrument :
MSVOA_R
ClientSampleId :
VSTD00163

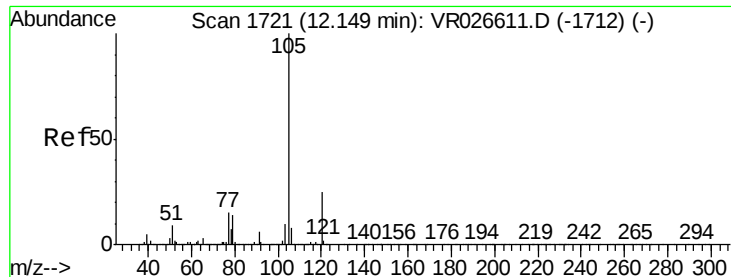
Tgt Ion:106 Resp: 55110
Ion Ratio Lower Upper
106 100
91 229.2 161.3 299.5



#55
Styrene
Concen: 1.220 ug/L
RT: 11.86 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VR026610.D
Acq: 10 Sep 2019 16:09

Tgt Ion:104 Resp: 77741
Ion Ratio Lower Upper
104 100
78 46.9 34.3 63.7





#56

Isopropylbenzene

Concen: 1.149 ug/L

RT: 12.15 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VR026610.D

Acq: 10 Sep 2019 16:09

Instrument :

MSVOA_R

ClientSampled :

VSTD00163

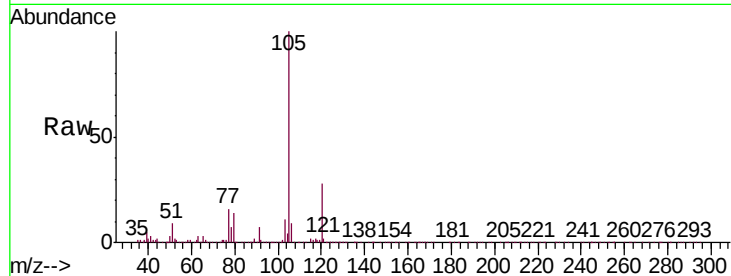
Tgt Ion: 105 Resp: 149358

Ion Ratio Lower Upper

105 100

120 25.6 20.7 31.1

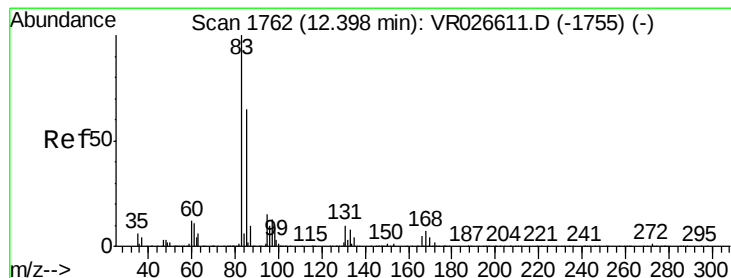
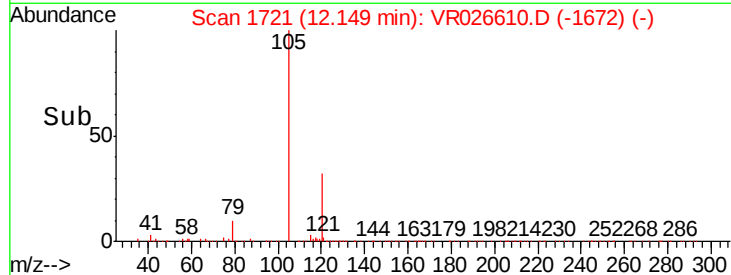
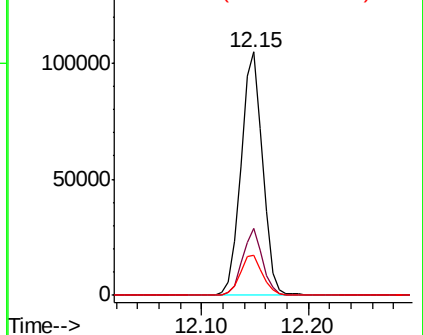
77 17.2 13.1 19.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 1.284 ug/L

RT: 12.40 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VR026610.D

Acq: 10 Sep 2019 16:09

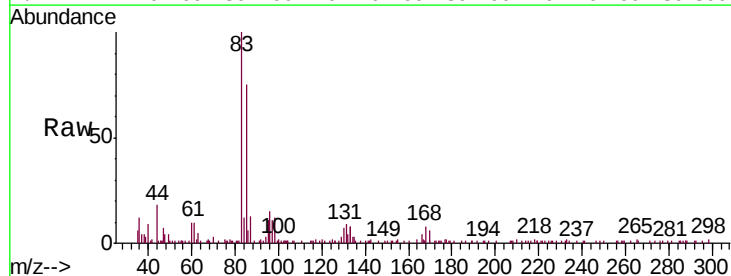
Tgt Ion: 83 Resp: 15365

Ion Ratio Lower Upper

83 100

85 74.7 45.7 84.9

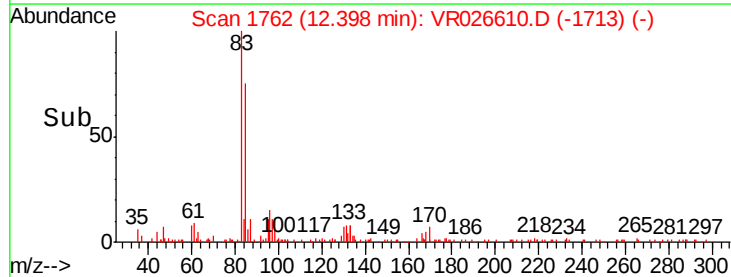
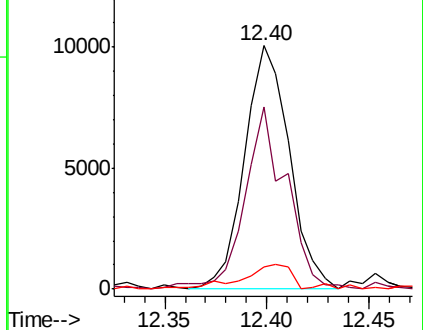
131 9.2 7.9 11.9

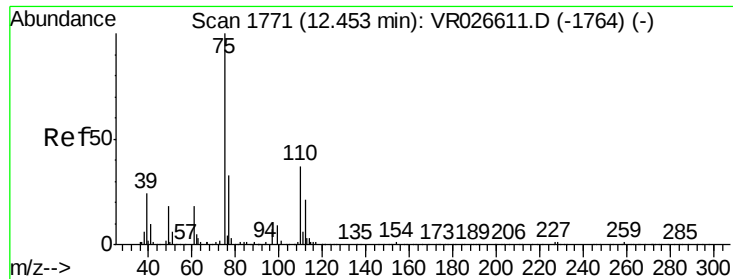


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

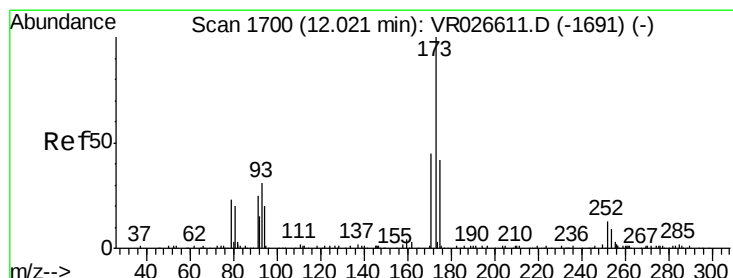
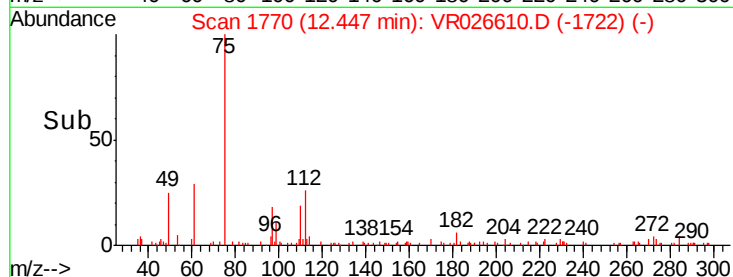
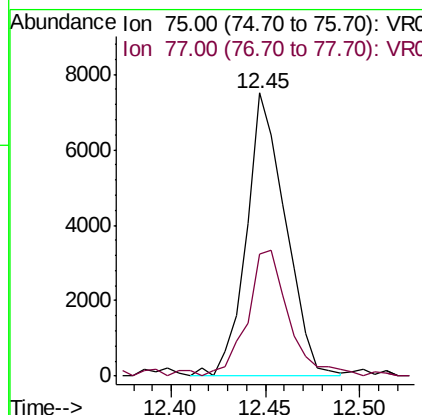
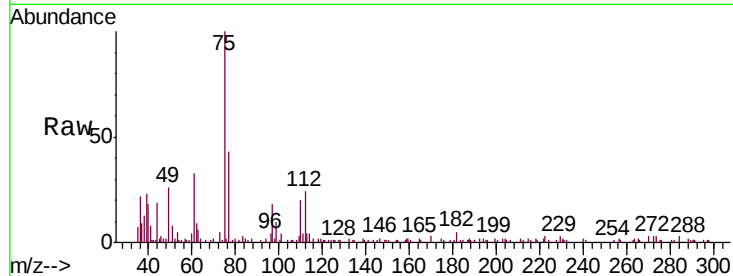




#59
 1,2,3-Trichloropropane
 Concen: 1.266 ug/L
 RT: 12.45 min Scan# 1770
 Delta R.T. -0.01 min
 Lab File: VR026610.D
 Acq: 10 Sep 2019 16:09

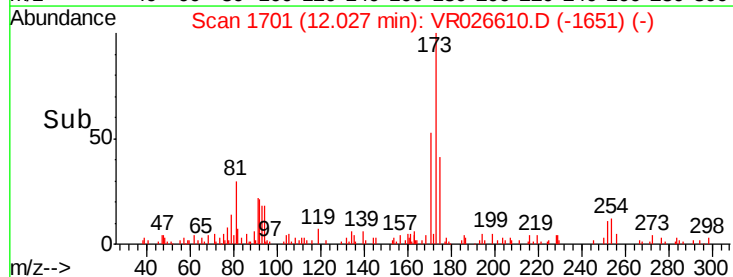
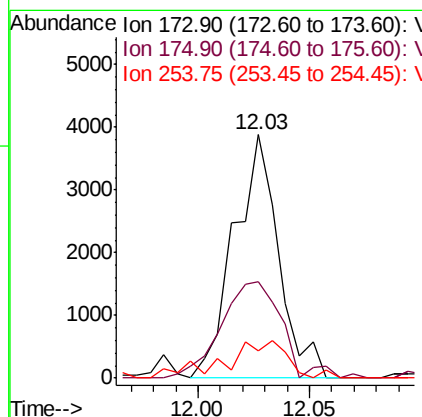
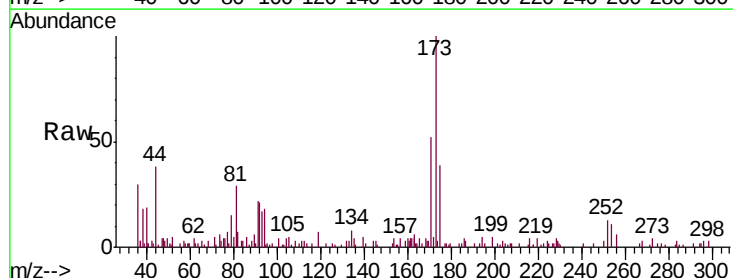
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00163

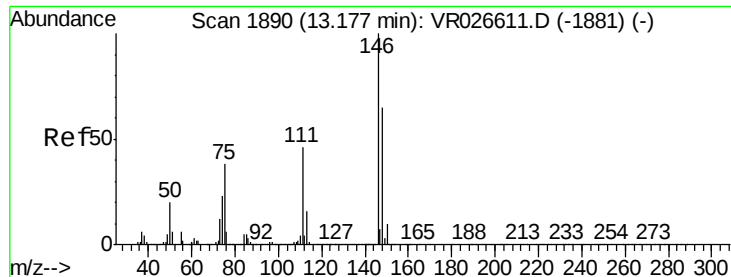
Tgt Ion: 75 Resp: 10750
 Ion Ratio Lower Upper
 75 100
 77 47.0 27.3 40.9#



#61
 Bromoform
 Concen: 0.984 ug/L
 RT: 12.03 min Scan# 1701
 Delta R.T. 0.01 min
 Lab File: VR026610.D
 Acq: 10 Sep 2019 16:09

Tgt Ion: 173 Resp: 5379
 Ion Ratio Lower Upper
 173 100
 175 54.5 38.8 58.2
 254 17.3 10.0 15.0#

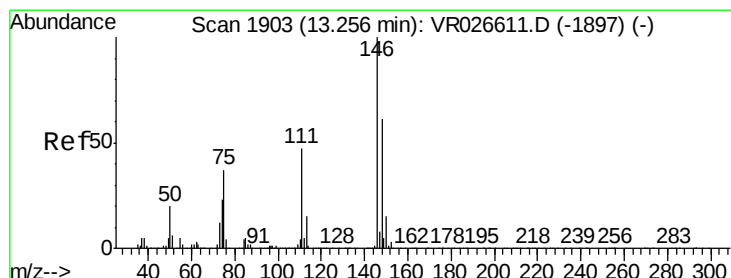
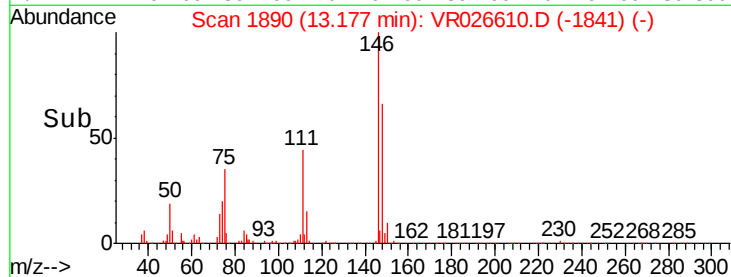
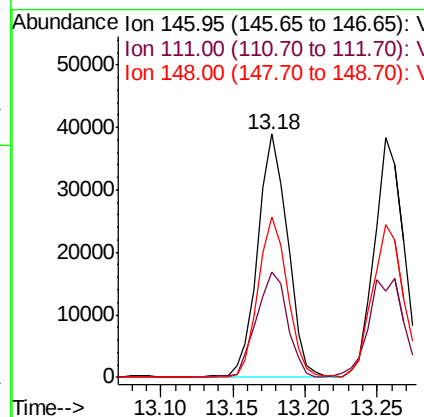
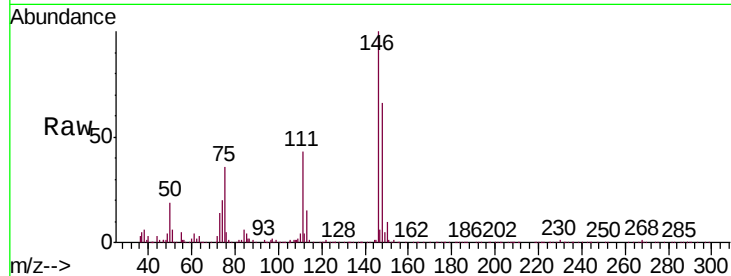




#62
 1,3-Dichlorobenzene
 Concen: 1.214 ug/L
 RT: 13.18 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VR026610.D
 Acq: 10 Sep 2019 16:09

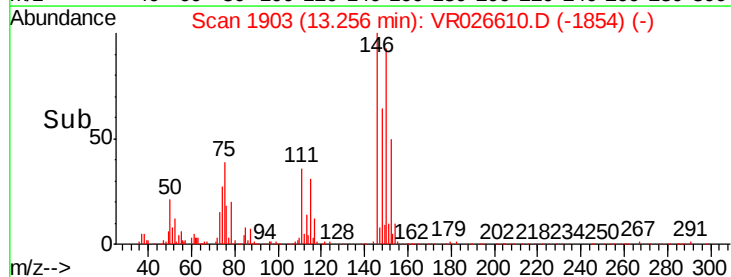
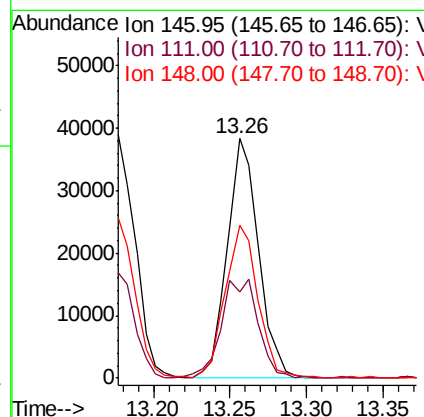
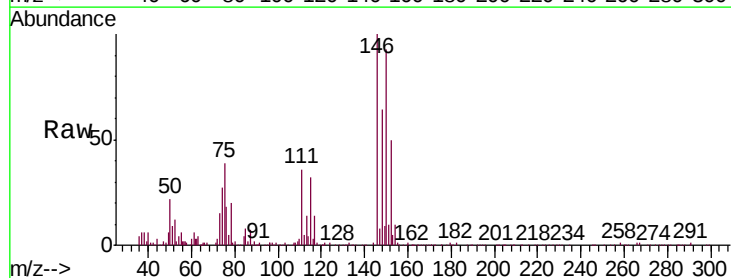
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00163

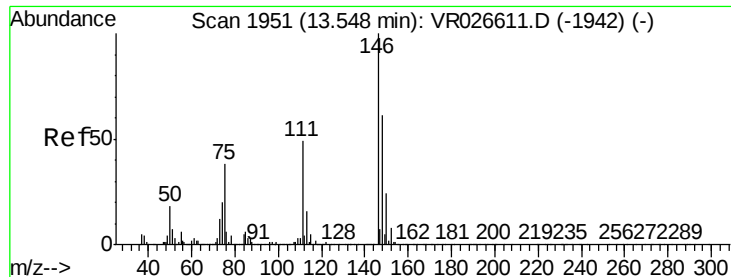
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	32.2	59.8
148	66.1	45.6	84.8



#63
 1,4-Dichlorobenzene
 Concen: 1.245 ug/L
 RT: 13.26 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VR026610.D
 Acq: 10 Sep 2019 16:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	33.2	61.7
148	64.0	42.4	78.6

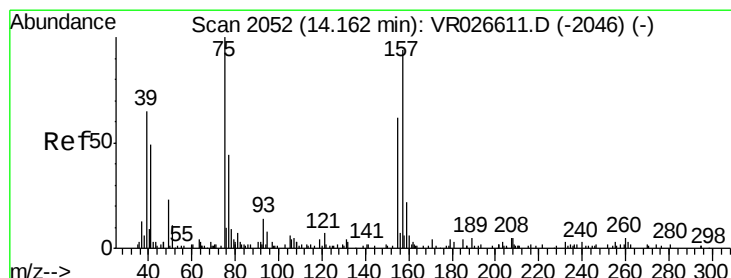
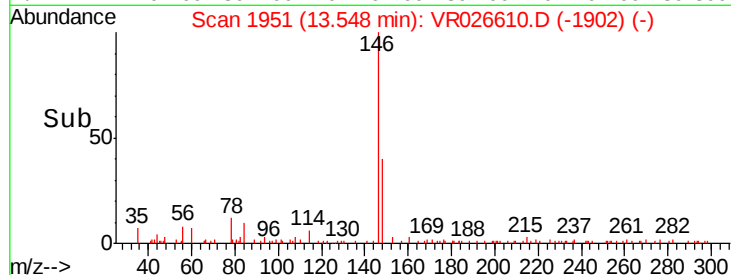
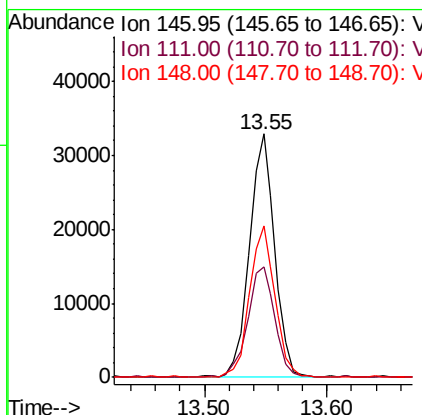
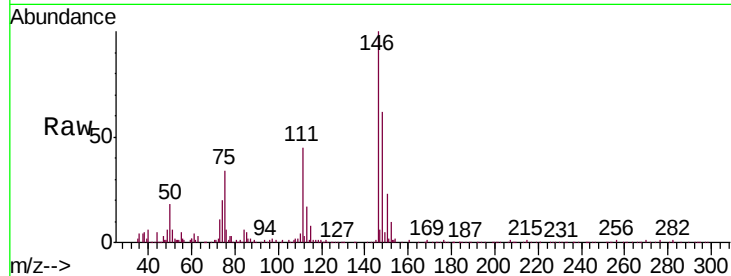




#65
 1,2-Dichlorobenzene
 Concen: 1.239 ug/L
 RT: 13.55 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VR026610.D
 Acq: 10 Sep 2019 16:09

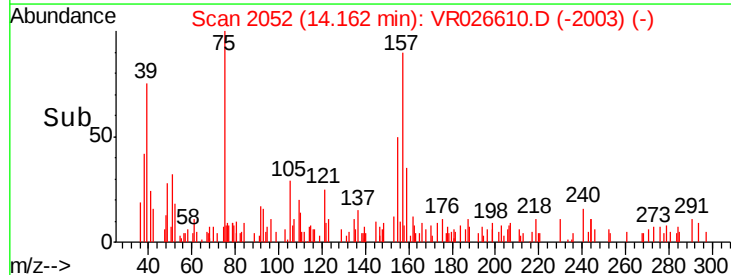
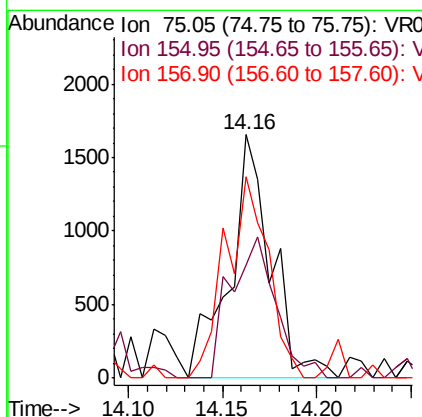
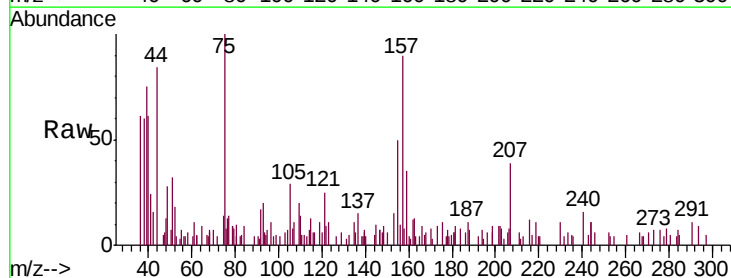
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00163

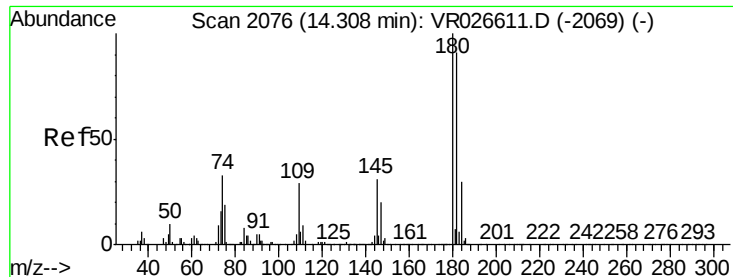
Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.4	39.3	58.9
148	62.5	49.3	73.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.713 ug/L
 RT: 14.16 min Scan# 2052
 Delta R.T. -0.00 min
 Lab File: VR026610.D
 Acq: 10 Sep 2019 16:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	46.3	50.2	75.4#
157	82.7	74.5	111.7

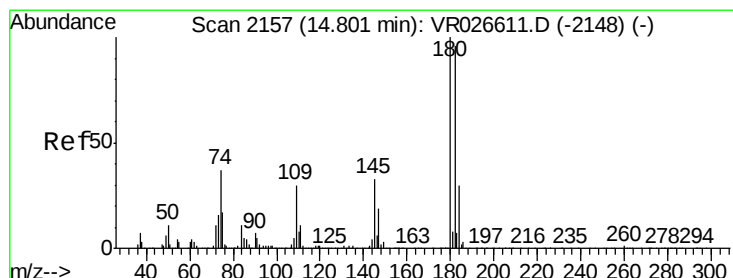
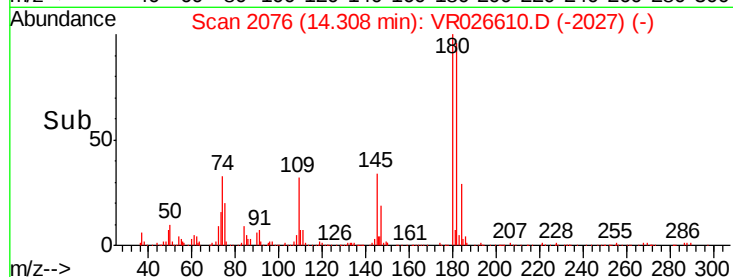
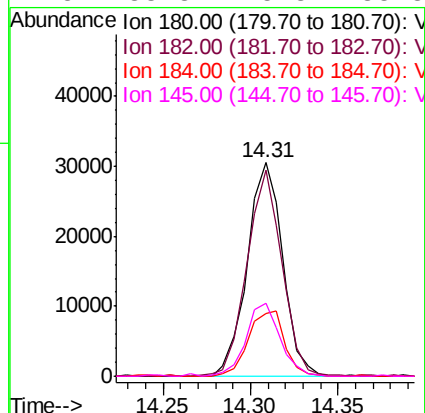
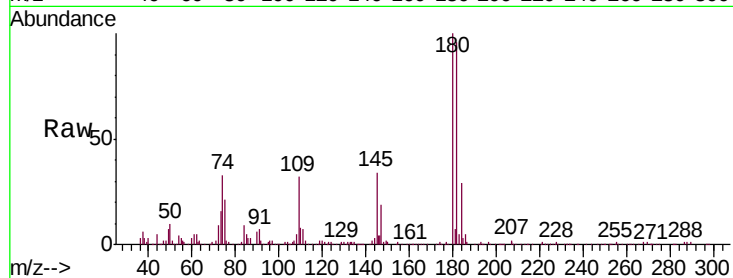




#67
 1,3,5-Trichlorobenzene
 Concen: 1.048 ug/L
 RT: 14.31 min Scan# 2076
 Delta R.T. -0.00 min
 Lab File: VR026610.D
 Acq: 10 Sep 2019 16:09

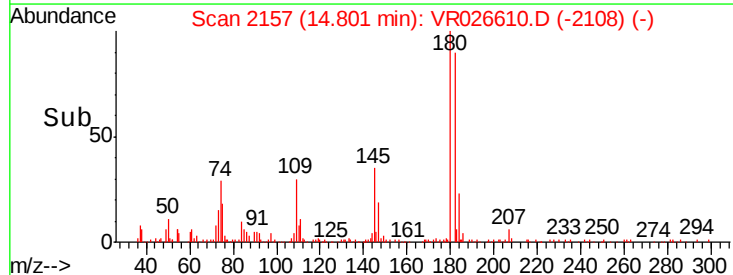
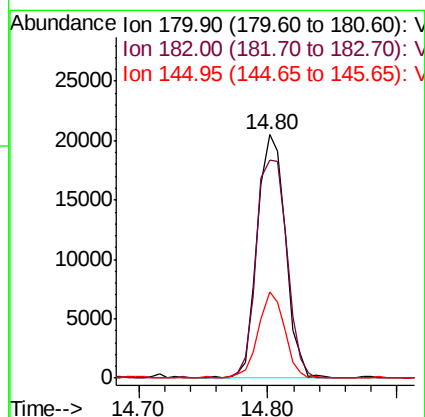
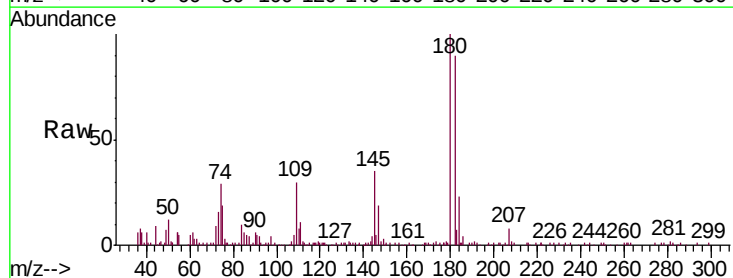
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00163

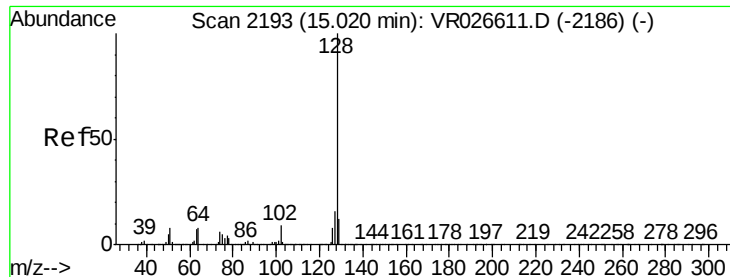
Tgt Ion:	180	Resp:	43170
Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.1	112.7
184	31.4	23.5	35.3
145	33.3	25.8	38.8



#68
 1,2,4-trichlorobenzene
 Concen: 1.006 ug/L
 RT: 14.80 min Scan# 2157
 Delta R.T. -0.00 min
 Lab File: VR026610.D
 Acq: 10 Sep 2019 16:09

Tgt Ion:	180	Resp:	30859
Ion	Ratio	Lower	Upper
180	100		
182	97.8	77.7	116.5
145	33.5	26.0	39.0





#69

Naphthalene

Concen: 0.850 ug/L

RT: 15.02 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VR026610.D

Acq: 10 Sep 2019 16:09

Instrument :

MSVOA_R

ClientSampleId :

VSTD00163

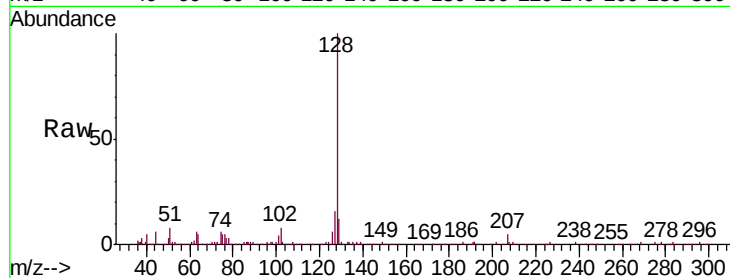
Tgt Ion:128 Resp: 39565

Ion Ratio Lower Upper

128 100

127 14.2 11.4 17.2

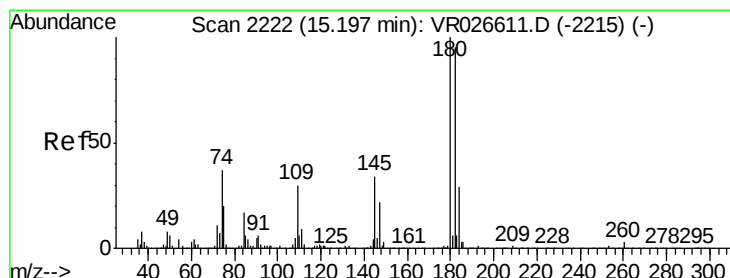
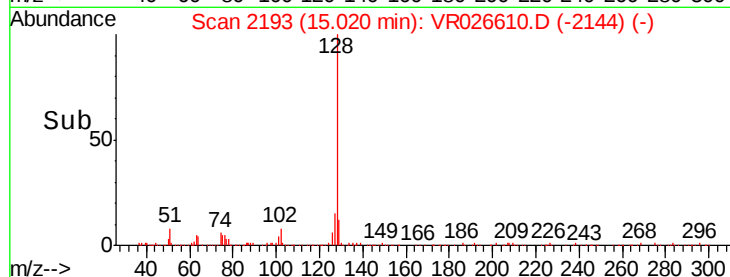
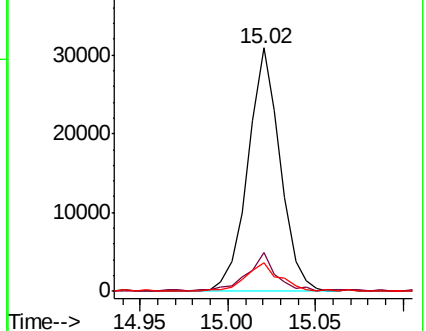
129 12.4 9.0 13.4



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: 1.038 ug/L

RT: 15.20 min Scan# 2222

Delta R.T. -0.00 min

Lab File: VR026610.D

Acq: 10 Sep 2019 16:09

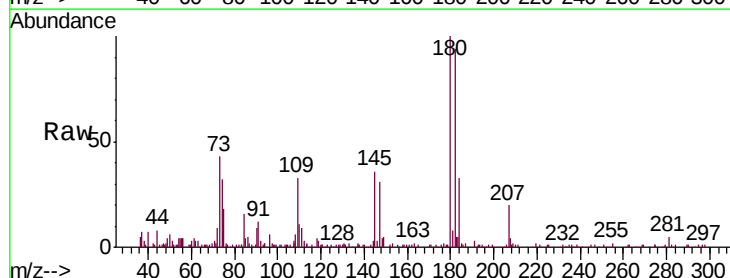
Tgt Ion:180 Resp: 26593

Ion Ratio Lower Upper

180 100

182 93.4 76.1 114.1

145 34.2 27.4 41.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

