

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101019\
 Data File : VR026652.D
 Acq On : 10 Oct 2019 16:13
 Operator : SY/MD
 Sample : VSTD01067
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Oct 11 06:08:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101019WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 11 05:48:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.48	114	257580	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.30	117	211647	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.24	152	100988	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.19	65	150838	17.27	ug/L	0.00
7) Chloroethane-d5	2.65	69	123003	16.63	ug/L	0.01
11) 1,1-Dichloroethene-d2	3.66	63	373419	16.13	ug/L	0.00
20) 2-Butanone-d5	6.62	46	218573	135.55	ug/L	0.00
24) Chloroform-d	7.22	84	467807	14.60	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.91	65	169307	16.20	ug/L	0.00
32) Benzene-d6	7.88	84	956089	15.44	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.92	67	236197	15.01	ug/L	0.00
41) Toluene-d8	9.99	98	841078	17.44	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.25	79	64011	17.38	ug/L	0.00
46) 2-Hexanone-d5	10.60	63	178261	168.93	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.38	84	111785	13.76	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.53	152	201315	14.27	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.86	85	404525	12.676 ug/L	98
3) Chloromethane	2.07	50	199497	12.249 ug/L	98
5) Vinyl chloride	2.20	62	198730	12.248 ug/L	91
6) Bromomethane	2.54	94	129357	12.392 ug/L	96
8) Chloroethane	2.68	64	109522	11.744 ug/L	97
9) Trichlorofluoromethane	2.99	101	378390	13.117 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	75660	6.083 ug/L #	17
12) 1,1-Dichloroethene	3.67	96	150176	12.431 ug/L	85
13) Acetone	3.73	43	138916	114.347 ug/L	99
14) Carbon disulfide	3.97	76	1081277	18.204 ug/L	95
15) Methyl Acetate	4.22	43	56349	11.147 ug/L	99
16) Methylene chloride	4.43	84	212732	8.437 ug/L	99
17) Methyl tert-butyl Ether	4.93	73	305292	12.255 ug/L	98
18) trans-1,2-Dichloroethene	4.91	96	307940	12.255 ug/L	96
19) 1,1-Dichloroethane	5.72	63	522324	11.369 ug/L	97
21) 2-Butanone	6.72	43	257718	119.159 ug/L	99
22) cis-1,2-Dichloroethene	6.70	96	295429	12.402 ug/L #	95
23) Bromochloromethane	7.08	128	80927	12.019 ug/L	98
25) Chloroform	7.26	83	484305	10.832 ug/L	98
27) 1,2-Dichloroethane	8.01	62	197456	12.364 ug/L #	91
29) 1,1,1-Trichloroethane	7.45	97	401551	11.489 ug/L	97
30) Cyclohexane	7.54	56	508513	13.331 ug/L	98
31) Carbon tetrachloride	7.66	117	367610	12.138 ug/L	100
33) Benzene	7.93	78	1148379	11.701 ug/L	100
34) Trichloroethene	8.73	95	284624	11.684 ug/L	95
35) Methylcyclohexane	8.97	83	508433	13.603 ug/L	99
37) 1,2-Dichloropropane	9.02	63	217687	11.157 ug/L	98
38) Bromodichloromethane	9.30	83	248939	11.809 ug/L	90
39) cis-1,3-Dichloropropene	9.73	75	276638	13.369 ug/L	99
40) 4-Methyl-2-pentanone	9.88	43	587472	122.548 ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101019\
 Data File : VR026652.D
 Acq On : 10 Oct 2019 16:13
 Operator : SY/MD
 Sample : VSTD01067
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 6 Sample Multiplier: 1

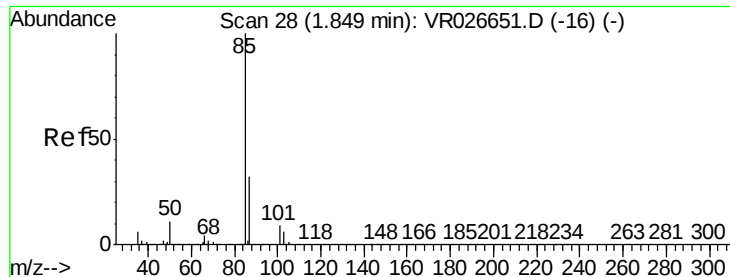
Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Oct 11 06:08:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101019WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 11 05:48:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	10.05	91	1117452	12.952	ug/L	99
44) trans-1,3-Dichloropropene	10.28	75	182868	13.524	ug/L	94
45) 1,1,2-Trichloroethane	10.46	97	101030	11.974	ug/L	95
47) Tetrachloroethene	10.53	164	184120	12.459	ug/L	94
48) 2-Hexanone	10.65	43	373392	122.055	ug/L	99
49) Dibromochloromethane	10.80	129	115113	12.508	ug/L	85
50) 1,2-Dibromoethane	10.90	107	85764	11.721	ug/L #	96
51) Chlorobenzene	11.33	112	595875	11.939	ug/L	98
52) Ethylbenzene	11.41	91	1251956	12.886	ug/L	100
53) m,p-Xylene	11.52	106	463631	13.239	ug/L	98
54) o-Xylene	11.84	106	433445	12.637	ug/L	94
55) Styrene	11.86	104	620141	12.623	ug/L	99
56) Isopropylbenzene	12.15	105	1259715	12.969	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.40	83	109027	11.101	ug/L #	99
59) 1,2,3-Trichloropropane	12.45	75	78863	11.293	ug/L	98
61) Bromoform	12.03	173	45701	11.332	ug/L	98
62) 1,3-Dichlorobenzene	13.18	146	420166	11.477	ug/L	93
63) 1,4-Dichlorobenzene	13.26	146	403225	11.029	ug/L	96
65) 1,2-Dichlorobenzene	13.55	146	352124	11.434	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.16	75	15451	9.905	ug/L	94
67) 1,3,5-Trichlorobenzene	14.31	180	326392	11.161	ug/L	97
68) 1,2,4-trichlorobenzene	14.80	180	249495	12.159	ug/L	98
69) Naphthalene	15.02	128	339078	12.657	ug/L	99
70) 1,2,3-Trichlorobenzene	15.20	180	215627	11.559	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 12.676 ug/L

RT: 1.86 min Scan# 29

Delta R.T. 0.01 min

Lab File: VR026652.D

Acq: 10 Oct 2019 16:13

Instrument :

MSVOA_R

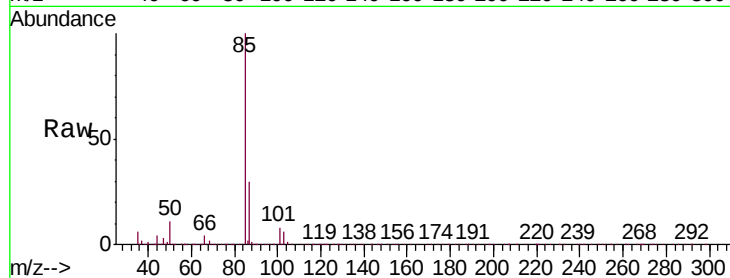
ClientSampleId :

Tgt Ion: 85 Resp: 404525

Ion Ratio Lower Upper

85 100

87 32.6 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0

1.86

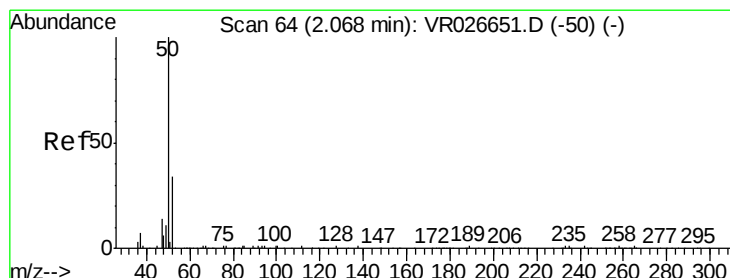
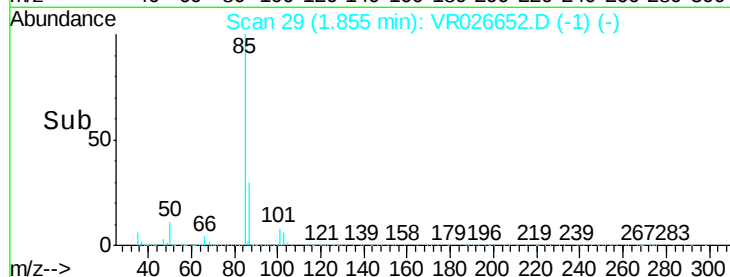
100000

50000

0

1.70 1.80 1.90 2.00 2.10

Time-->



#3

Chloromethane

Concen: 12.249 ug/L

RT: 2.07 min Scan# 64

Delta R.T. -0.00 min

Lab File: VR026652.D

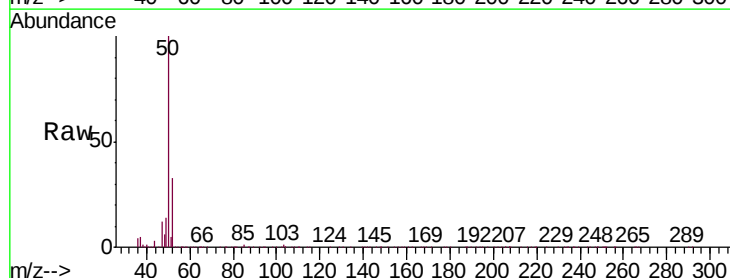
Acq: 10 Oct 2019 16:13

Tgt Ion: 50 Resp: 199497

Ion Ratio Lower Upper

50 100

52 33.2 24.1 44.7



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0

2.07

60000

50000

40000

30000

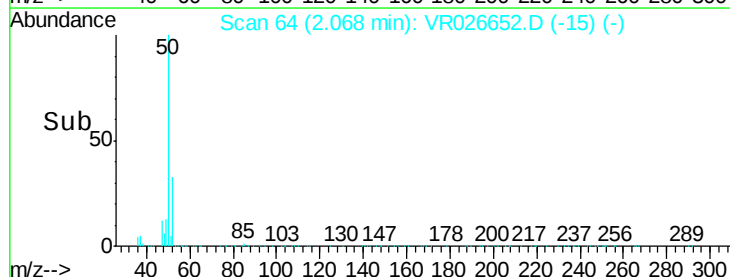
20000

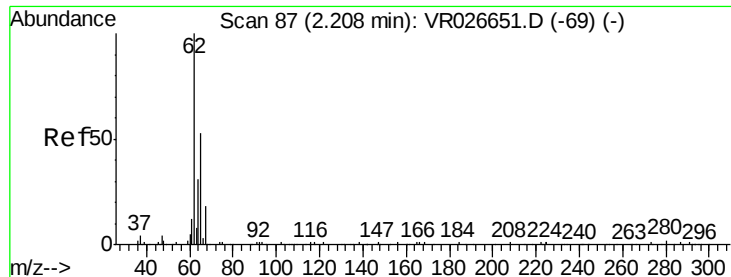
10000

0

1.90 2.00 2.10 2.20

Time-->





#5

Vinyl chloride

Concen: 12.248 ug/L

RT: 2.20 min Scan# 86

Delta R.T. -0.01 min

Lab File: VR026652.D

Acq: 10 Oct 2019 16:13

Instrument :

MSVOA_R

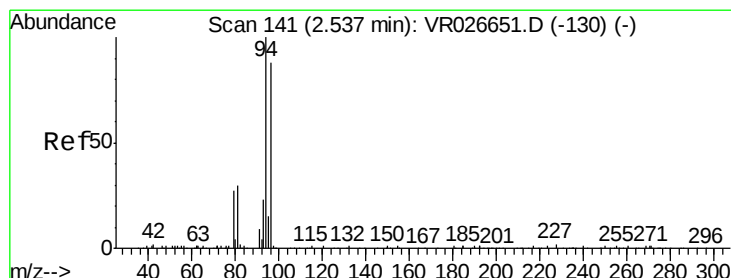
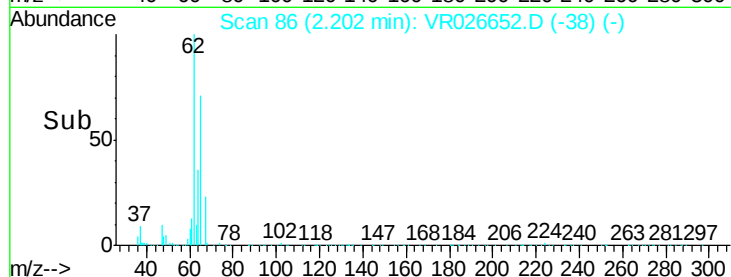
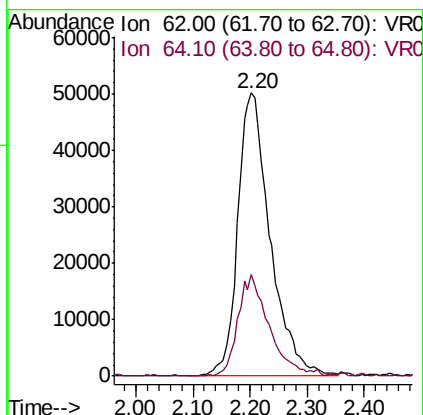
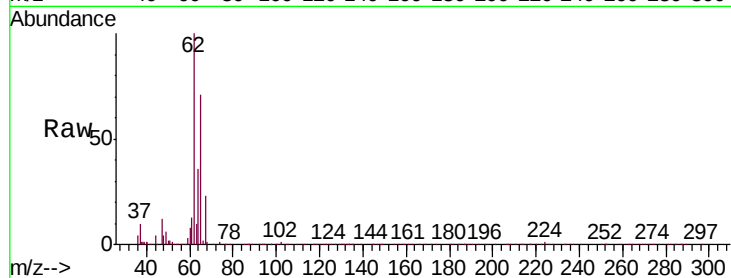
ClientSampled :

Tgt Ion: 62 Resp: 198730

Ion Ratio Lower Upper

62 100

64 35.9 21.5 39.9



#6

Bromomethane

Concen: 12.392 ug/L

RT: 2.54 min Scan# 142

Delta R.T. 0.01 min

Lab File: VR026652.D

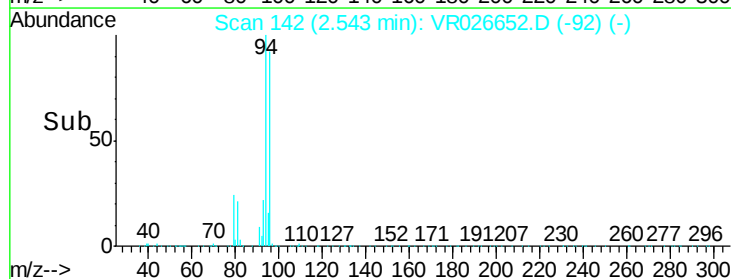
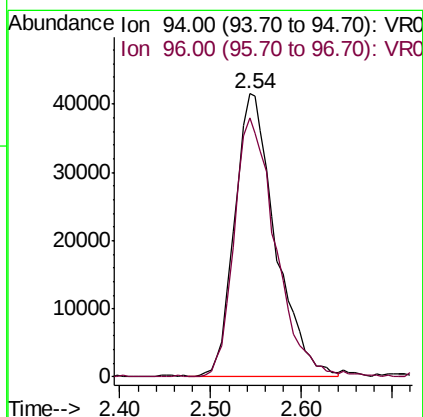
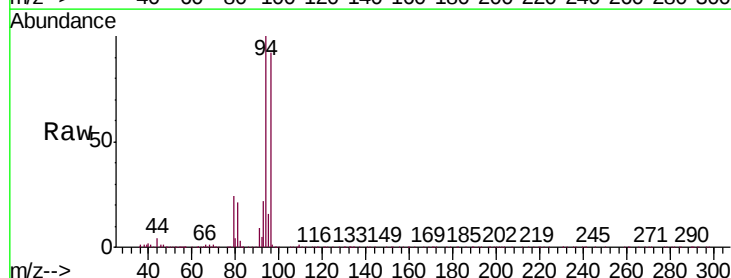
Acq: 10 Oct 2019 16:13

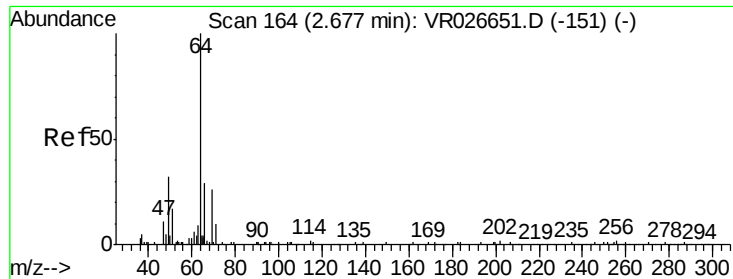
Tgt Ion: 94 Resp: 129357

Ion Ratio Lower Upper

94 100

96 91.7 61.8 114.8

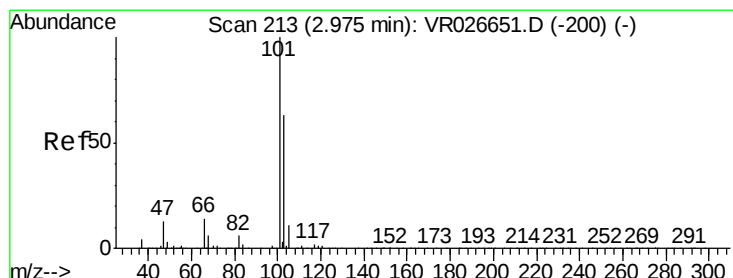
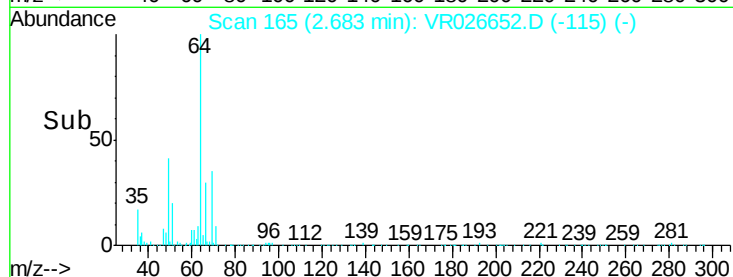
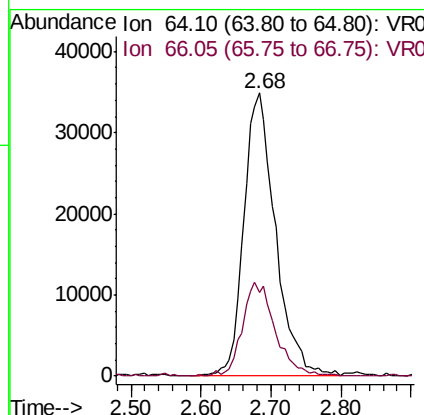
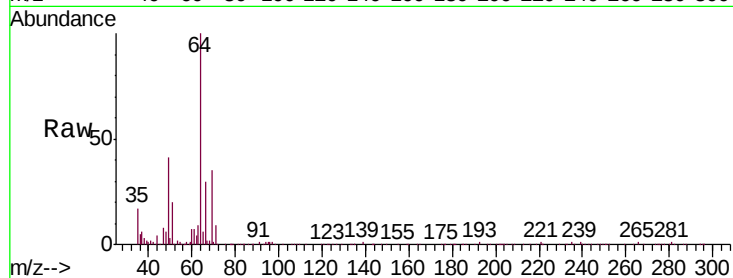




#8
Chloroethane
Concen: 11.744 ug/L
RT: 2.68 min Scan# 165
Delta R.T. 0.01 min
Lab File: VR026652.D
Acq: 10 Oct 2019 16:13

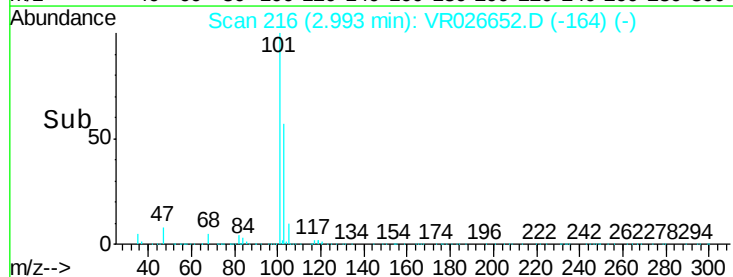
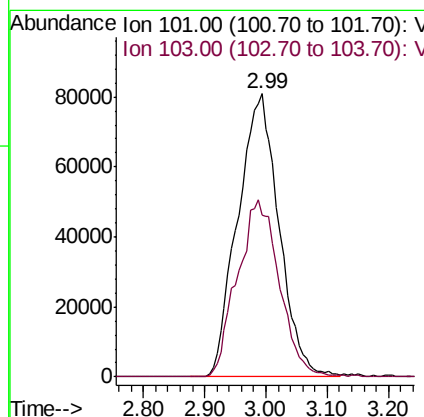
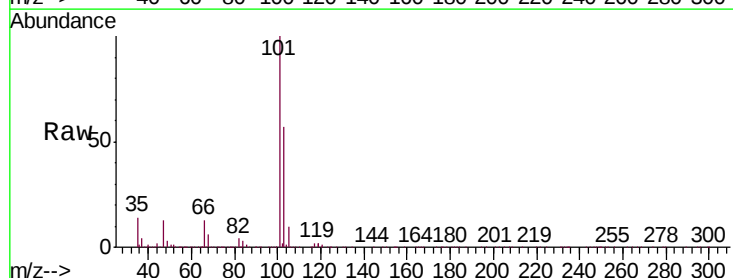
Instrument :
MSVOA_R
ClientSampleId :

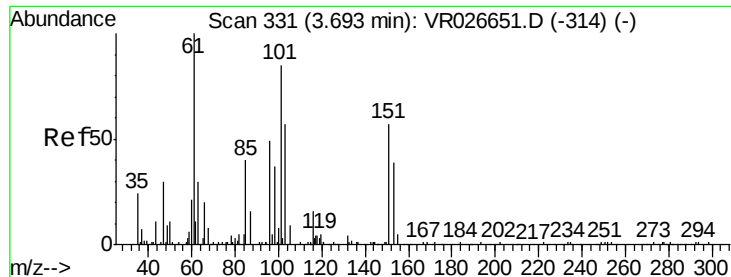
Tgt Ion: 64 Resp: 109522
Ion Ratio Lower Upper
64 100
66 29.7 19.7 36.5



#9
Trichlorofluoromethane
Concen: 13.117 ug/L
RT: 2.99 min Scan# 216
Delta R.T. 0.02 min
Lab File: VR026652.D
Acq: 10 Oct 2019 16:13

Tgt Ion: 101 Resp: 378390
Ion Ratio Lower Upper
101 100
103 63.6 50.9 76.3





#10

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

Concen: 6.083 ug/L

RT: 3.69 min Scan# 331

Delta R.T. -0.00 min

Lab File: VR026652.D

Acq: 10 Oct 2019 16:13

Instrument :

MSVOA_R

ClientSampleId :

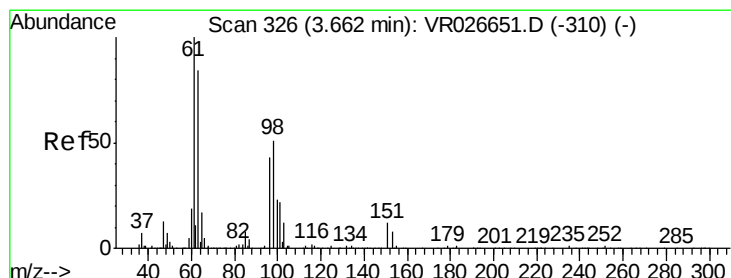
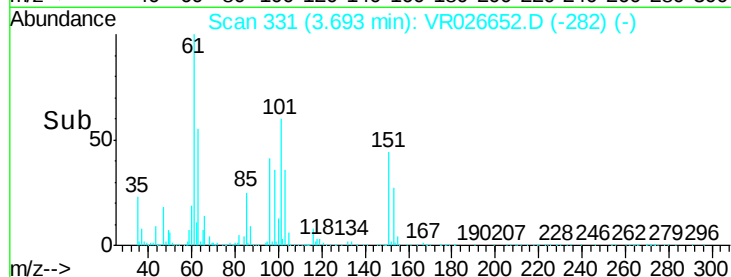
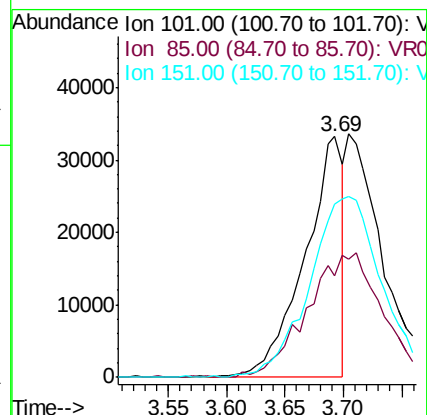
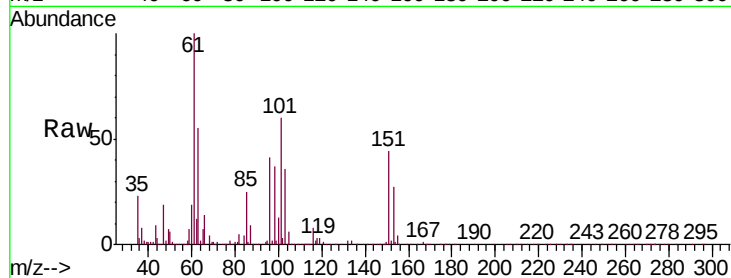
Tgt Ion: 101 Resp: 75660

Ion Ratio Lower Upper

101 100

85 102.6 39.8 59.8#

151 142.0 56.5 84.7#



#12

1,1-Dichloroethene

Concen: 12.431 ug/L

RT: 3.67 min Scan# 328

Delta R.T. 0.01 min

Lab File: VR026652.D

Acq: 10 Oct 2019 16:13

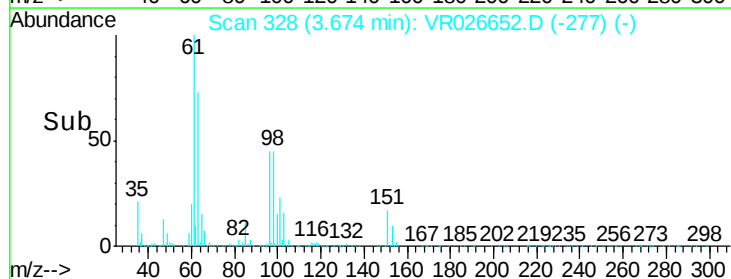
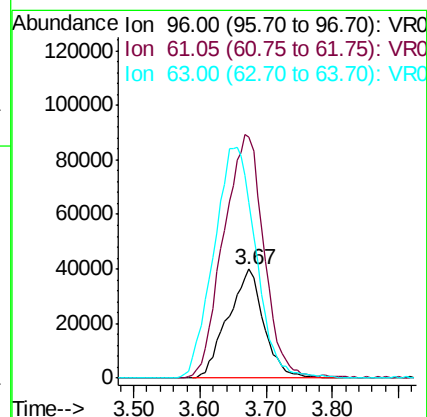
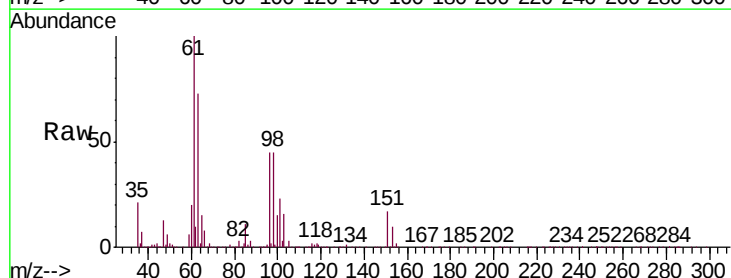
Tgt Ion: 96 Resp: 150176

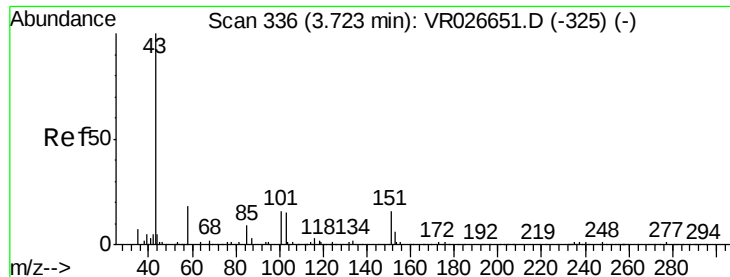
Ion Ratio Lower Upper

96 100

61 221.7 164.2 305.0

63 161.3 137.6 255.6





#13

Acetone

Concen: 114.347 ug/L

RT: 3.73 min Scan# 337

Delta R.T. 0.01 min

Lab File: VR026652.D

Acq: 10 Oct 2019 16:13

Instrument :

MSVOA_R

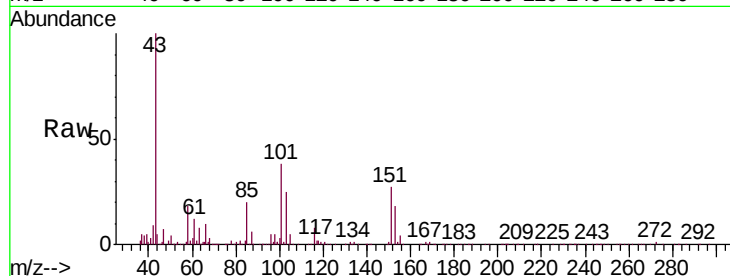
ClientSampleId :

Tgt Ion: 43 Resp: 138916

Ion Ratio Lower Upper

43 100

58 19.2 0.0 39.6



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

3.73

60000

50000

40000

30000

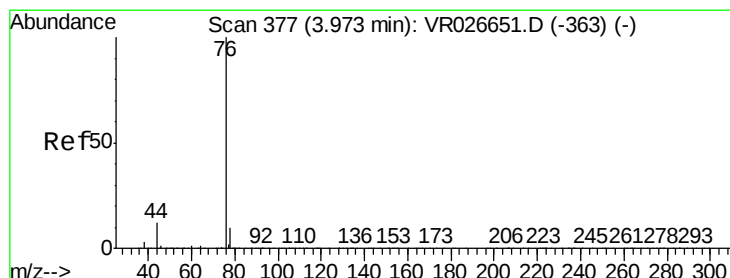
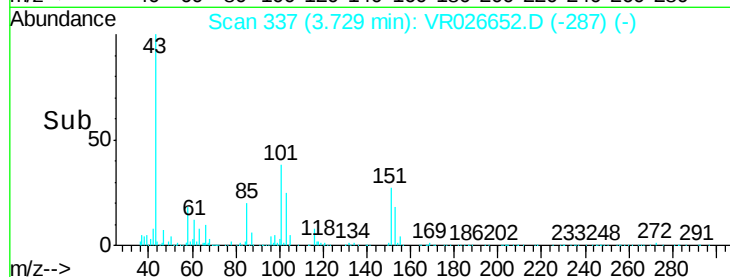
20000

10000

0

Time-->

3.60 3.70 3.80 3.90



#14

Carbon disulfide

Concen: 18.204 ug/L

RT: 3.97 min Scan# 377

Delta R.T. -0.00 min

Lab File: VR026652.D

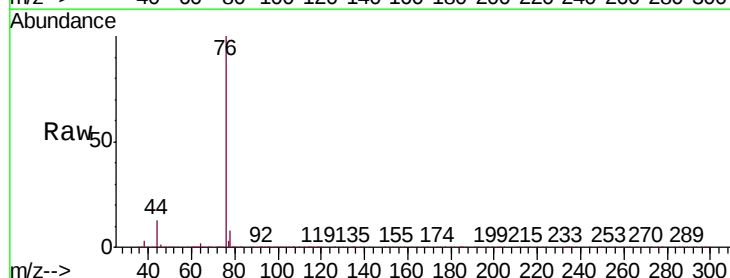
Acq: 10 Oct 2019 16:13

Tgt Ion: 76 Resp: 1081277

Ion Ratio Lower Upper

76 100

78 7.9 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

3.97

300000

250000

200000

150000

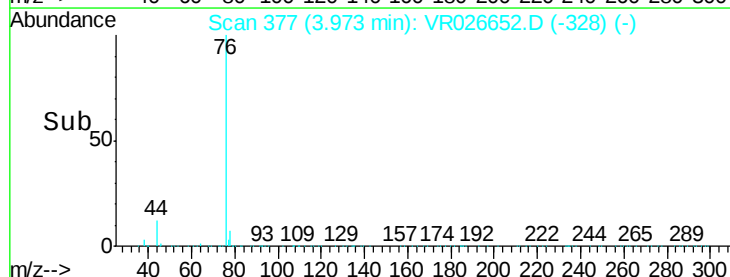
100000

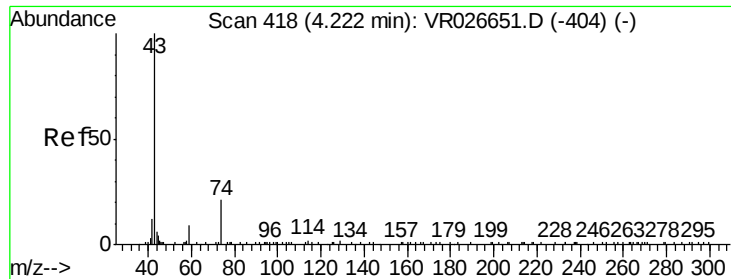
50000

0

Time-->

3.80 4.00 4.20

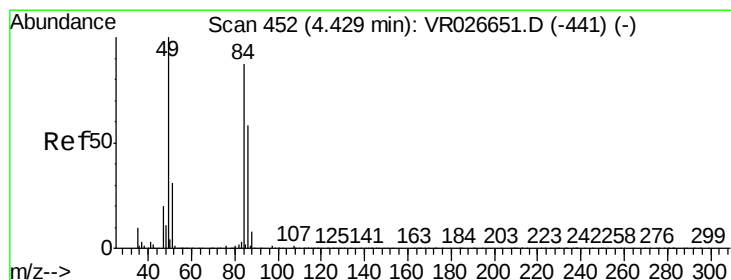
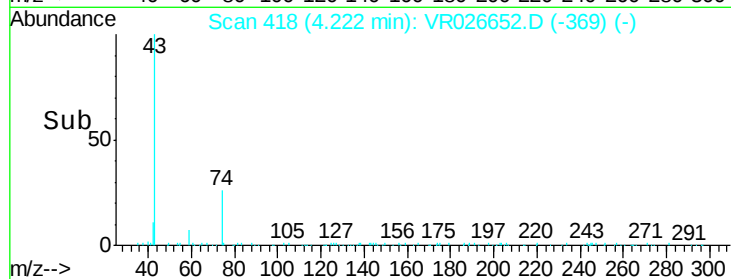
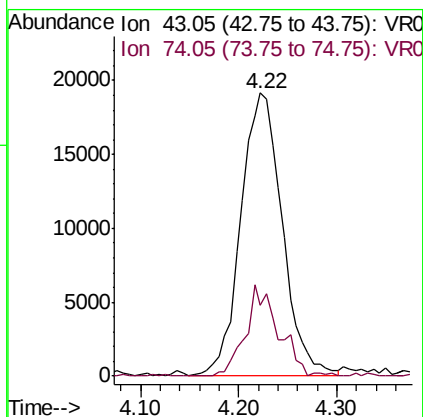
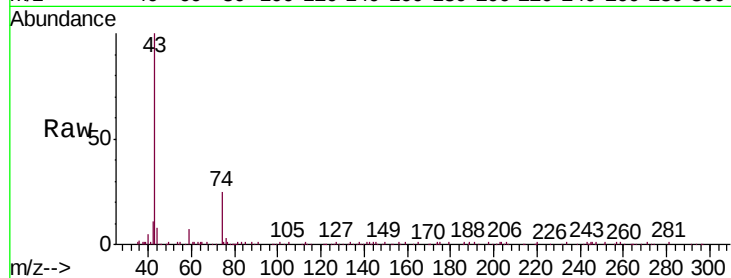




#15
Methyl Acetate
Concen: 11.147 ug/L
RT: 4.22 min Scan# 418
Delta R.T. -0.00 min
Lab File: VR026652.D
Acq: 10 Oct 2019 16:13

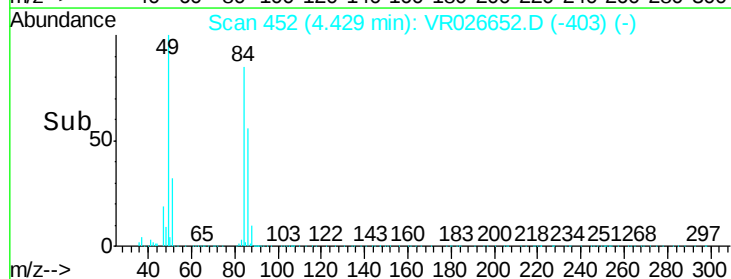
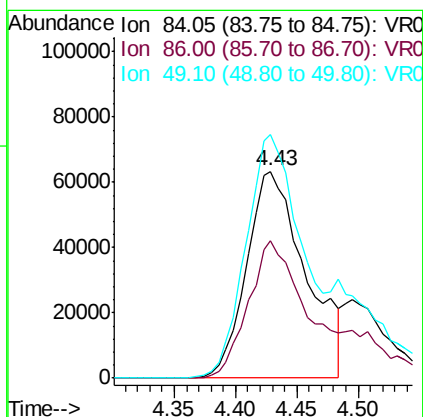
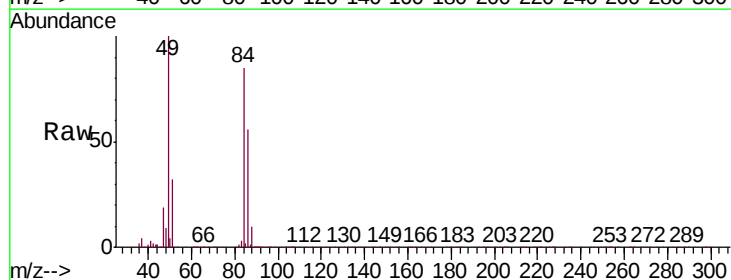
Instrument :
MSVOA_R
ClientSampleId :

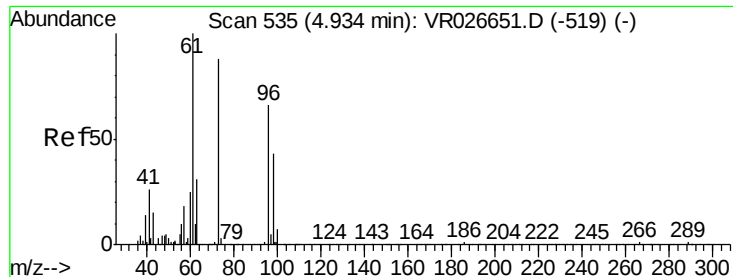
Tgt Ion: 43 Resp: 56349
Ion Ratio Lower Upper
43 100
74 25.7 20.1 30.1



#16
Methylene chloride
Concen: 8.437 ug/L
RT: 4.43 min Scan# 452
Delta R.T. -0.00 min
Lab File: VR026652.D
Acq: 10 Oct 2019 16:13

Tgt Ion: 84 Resp: 212732
Ion Ratio Lower Upper
84 100
86 66.3 46.4 86.2
49 117.8 80.8 150.0

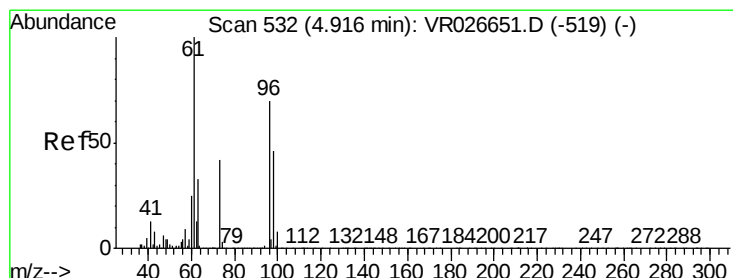
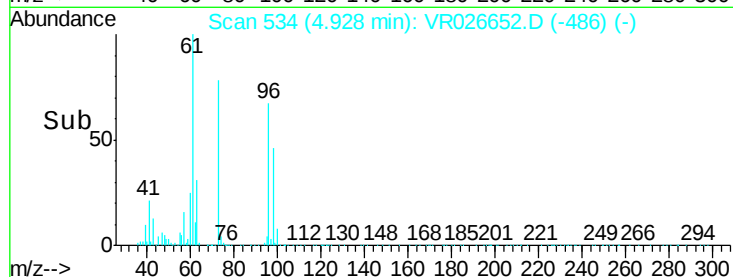
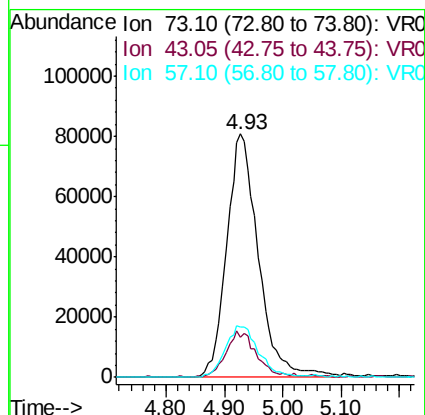
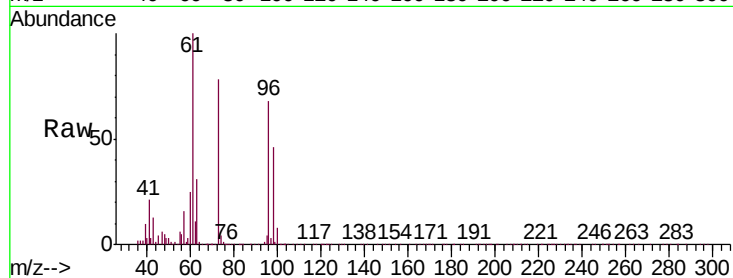




#17
Methyl tert-butyl Ether
Concen: 12.255 ug/L
RT: 4.93 min Scan# 534
Delta R.T. -0.01 min
Lab File: VR026652.D
Acq: 10 Oct 2019 16:13

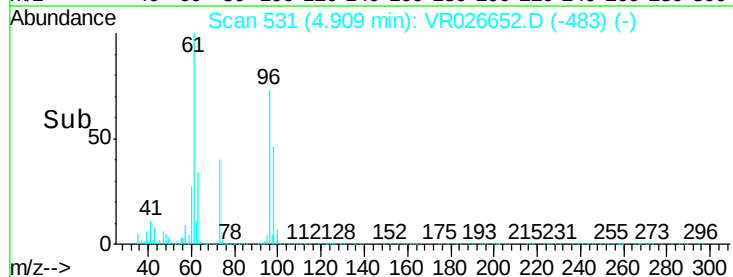
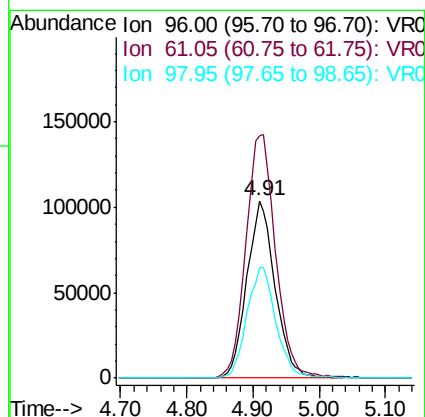
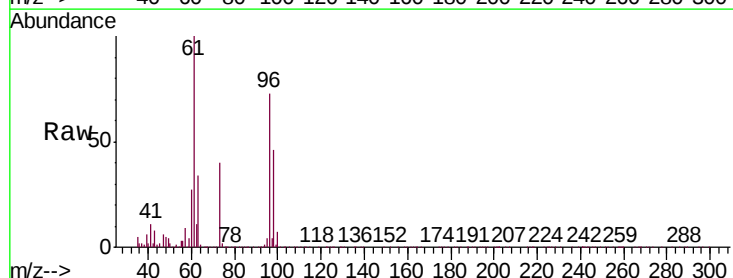
Instrument :
MSVOA_R
ClientSampleId :

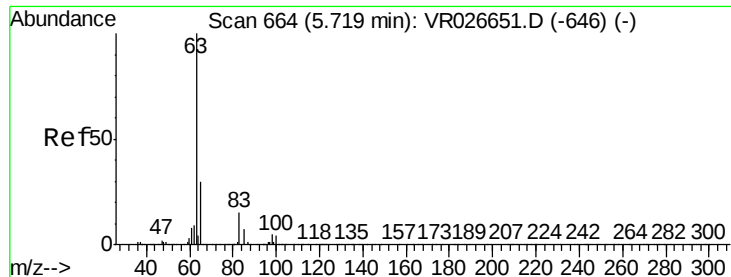
Tgt Ion: 73 Resp: 305292
Ion Ratio Lower Upper
73 100
43 17.8 15.0 22.6
57 22.3 18.5 27.7



#18
trans-1,2-Dichloroethene
Concen: 12.255 ug/L
RT: 4.91 min Scan# 531
Delta R.T. -0.01 min
Lab File: VR026652.D
Acq: 10 Oct 2019 16:13

Tgt Ion: 96 Resp: 307940
Ion Ratio Lower Upper
96 100
61 136.6 99.8 185.4
98 62.5 45.7 84.9

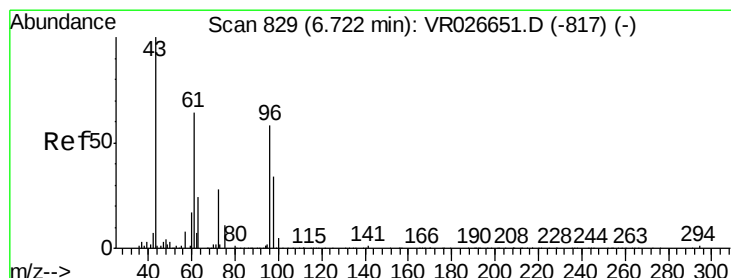
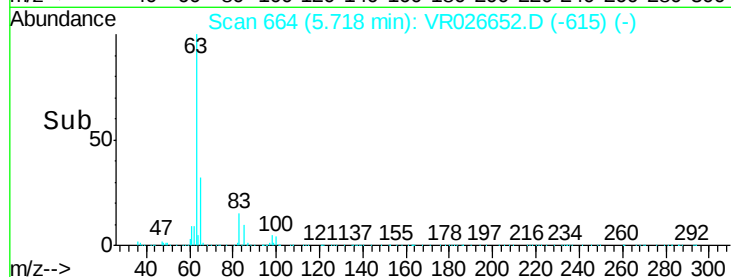
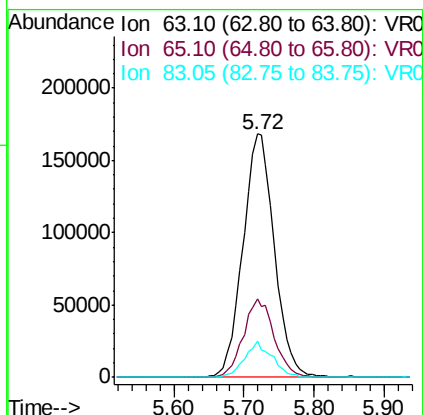
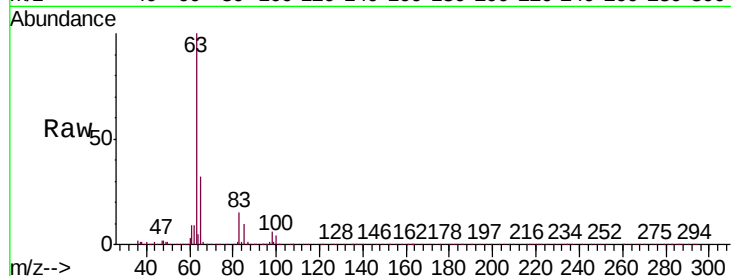




#19
 1,1-Dichloroethane
 Concen: 11.369 ug/L
 RT: 5.72 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VR026652.D
 Acq: 10 Oct 2019 16:13

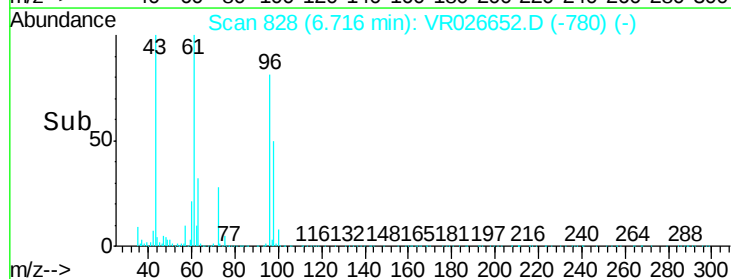
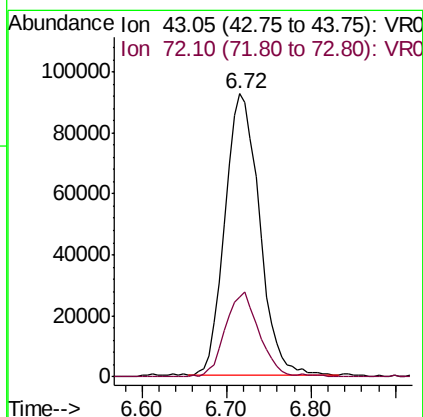
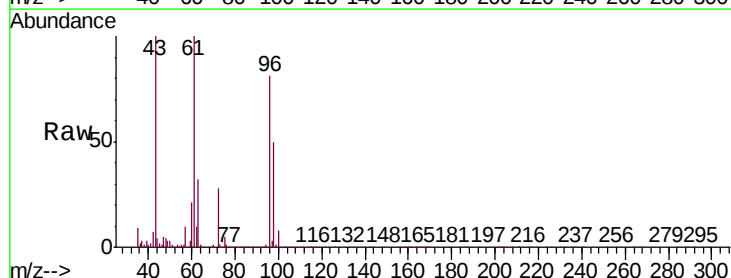
Instrument :
 MSVOA_R
 ClientSampleId :

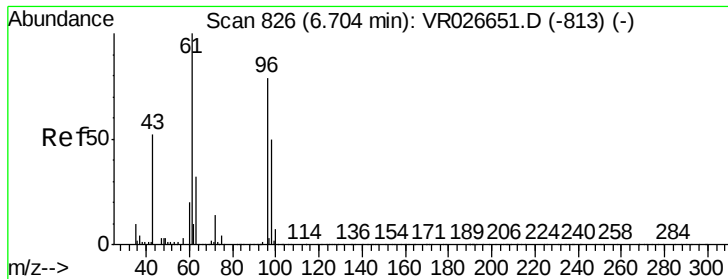
Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.1	21.0	39.0
83	14.7	10.6	19.6



#21
 2-Butanone
 Concen: 119.159 ug/L
 RT: 6.72 min Scan# 828
 Delta R.T. -0.01 min
 Lab File: VR026652.D
 Acq: 10 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
43	100		
72	29.5	14.4	43.2



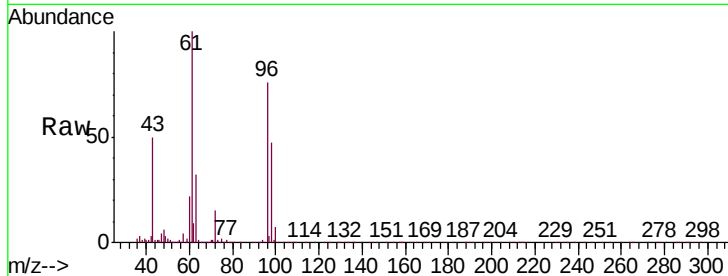


#22

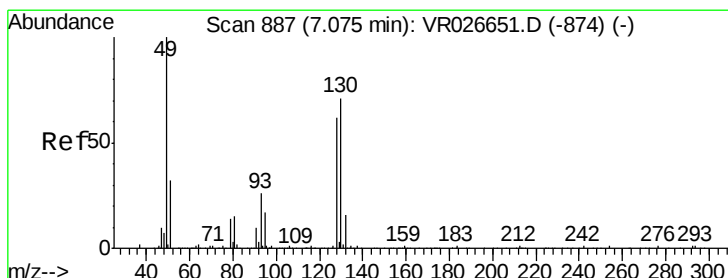
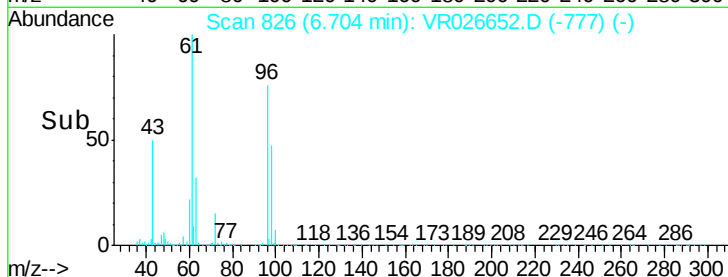
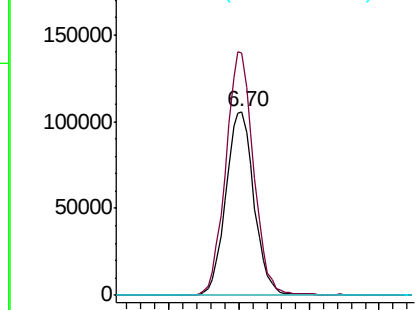
cis-1,2-Dichloroethene
Concen: 12.402 ug/L
RT: 6.70 min Scan# 826
Delta R.T. -0.00 min
Lab File: VR026652.D
Acq: 10 Oct 2019 16:13

Instrument :
MSVOA_R
ClientSampleId :

Tgt Ion: 96 Resp: 295429
Ion Ratio Lower Upper
96 100
61 132.1 88.8 164.8
68 0.1 0.0 0.0#



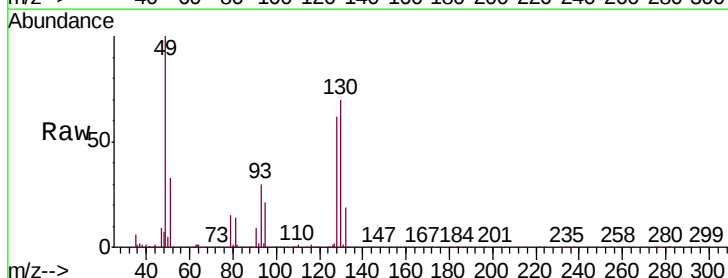
Abundance Ion 96.00 (95.70 to 96.70): VR0
Ion 61.05 (60.75 to 61.75): VR0
Ion 68.15 (67.85 to 68.85): VR0



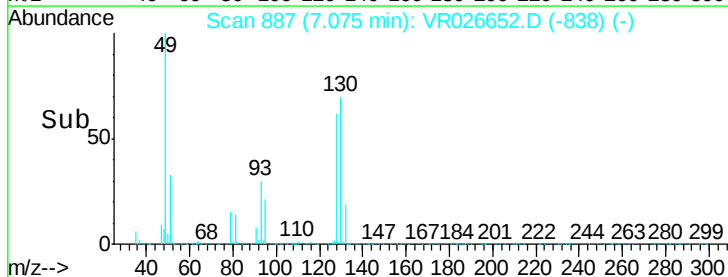
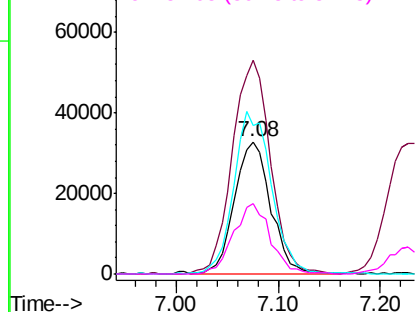
#23

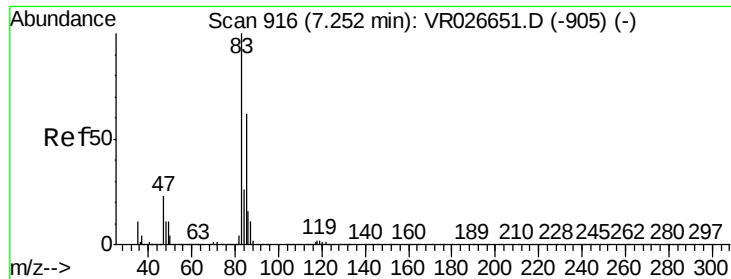
Bromochloromethane
Concen: 12.019 ug/L
RT: 7.08 min Scan# 887
Delta R.T. -0.00 min
Lab File: VR026652.D
Acq: 10 Oct 2019 16:13

Tgt Ion: 128 Resp: 80927
Ion Ratio Lower Upper
128 100
49 162.0 116.1 215.7
130 112.9 80.3 149.1
51 53.9 41.4 62.2



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VR0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VR0

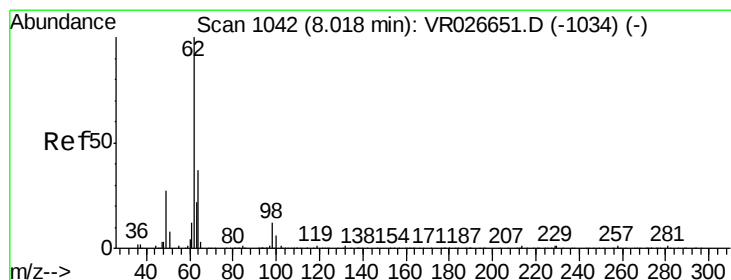
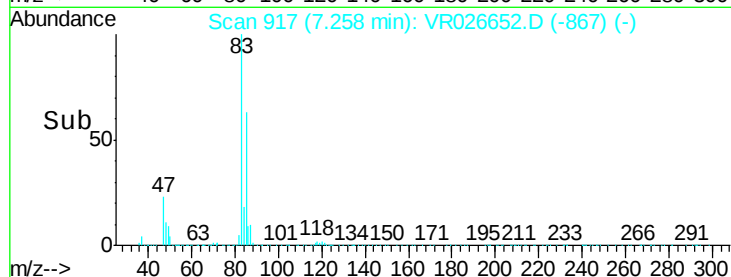
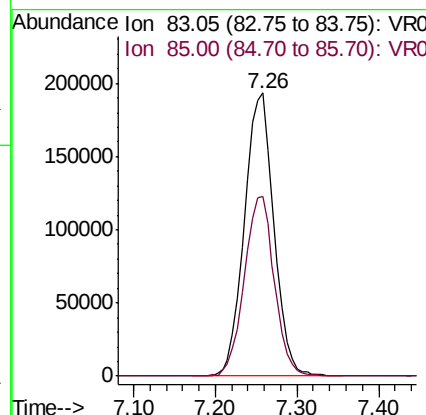
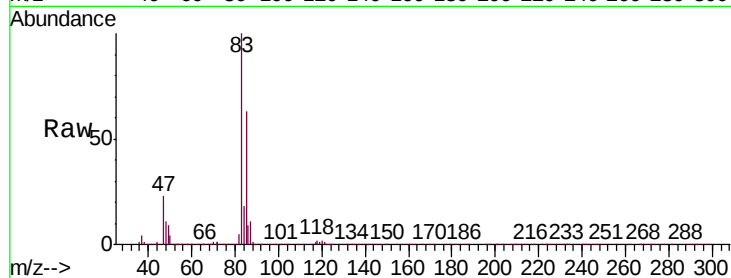




#25
Chloroform
Concen: 10.832 ug/L
RT: 7.26 min Scan# 917
Delta R.T. 0.01 min
Lab File: VR026652.D
Acq: 10 Oct 2019 16:13

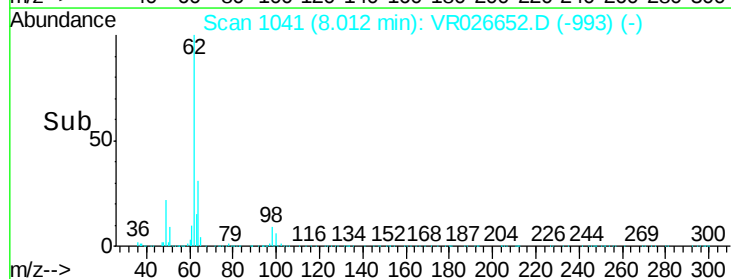
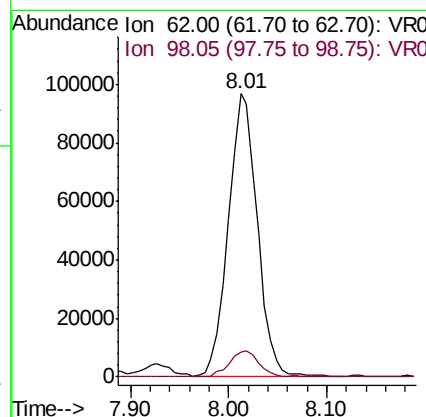
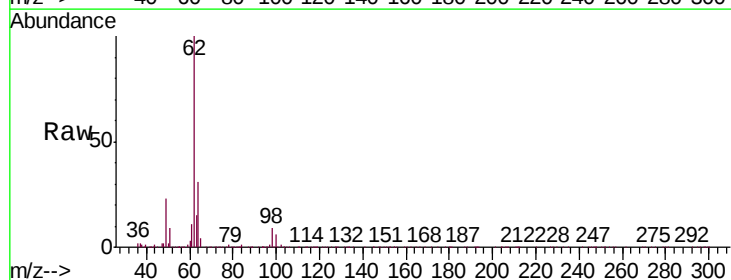
Instrument :
MSVOA_R
ClientSampleId :

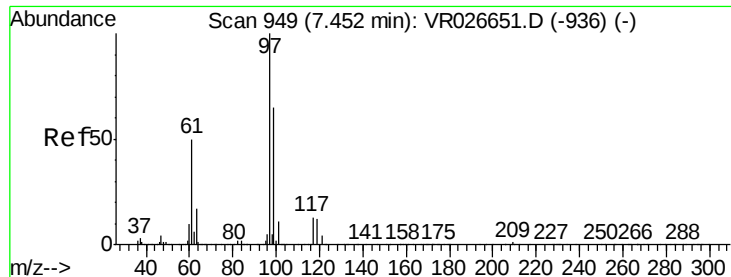
Tgt Ion: 83 Resp: 484305
Ion Ratio Lower Upper
83 100
85 63.5 43.3 80.5



#27
1,2-Dichloroethane
Concen: 12.364 ug/L
RT: 8.01 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VR026652.D
Acq: 10 Oct 2019 16:13

Tgt Ion: 62 Resp: 197456
Ion Ratio Lower Upper
62 100
98 8.6 9.6 14.4#

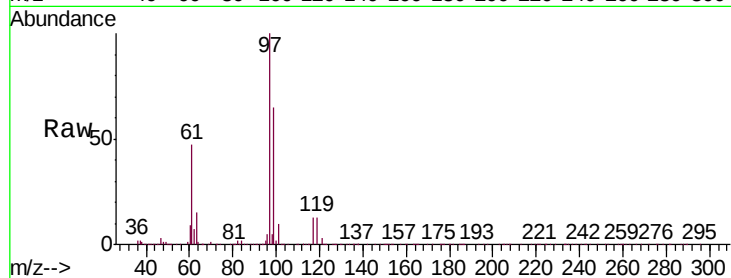




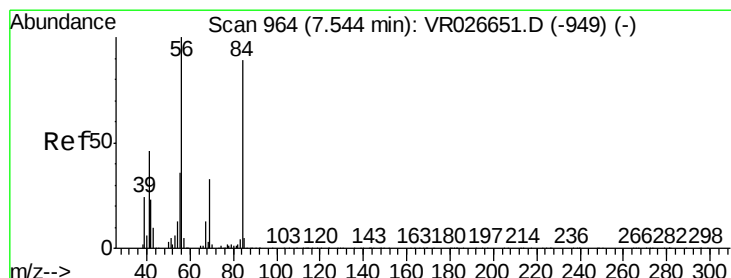
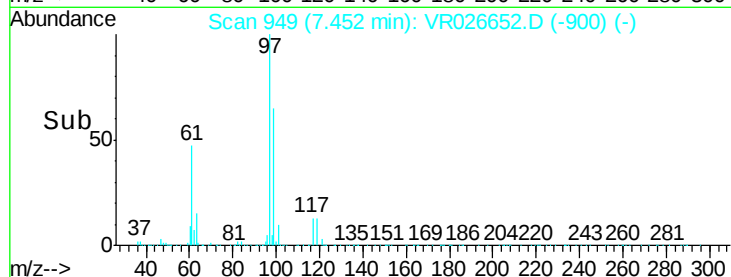
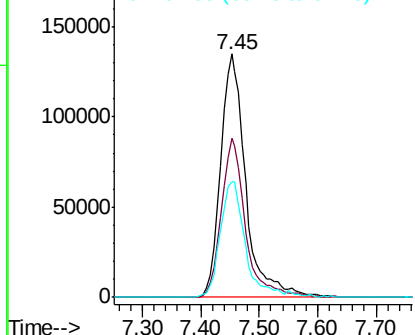
#29
1,1,1-Trichloroethane
Concen: 11.489 ug/L
RT: 7.45 min Scan# 949
Delta R.T. -0.00 min
Lab File: VR026652.D
Acq: 10 Oct 2019 16:13

Instrument :
MSVOA_R
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	52.8	79.2
61	47.1	38.8	58.2

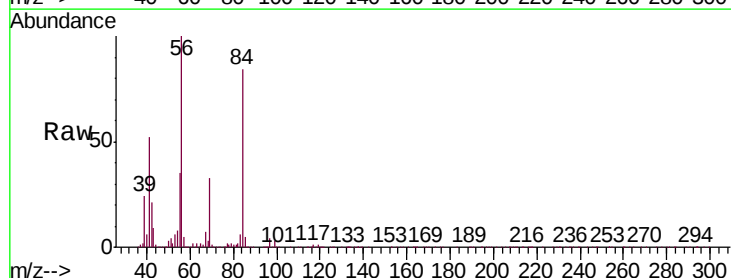


Abundance Ion 96.95 (96.65 to 97.65): VR0
Ion 99.05 (98.75 to 99.75): VR0
Ion 61.05 (60.75 to 61.75): VR0

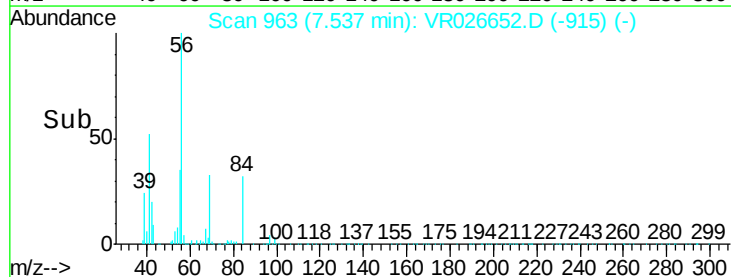
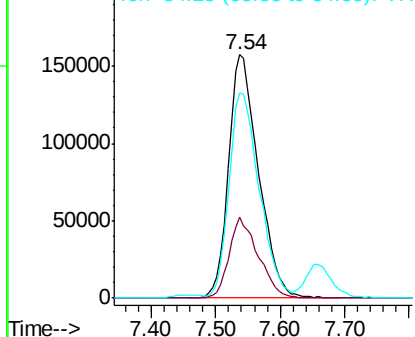


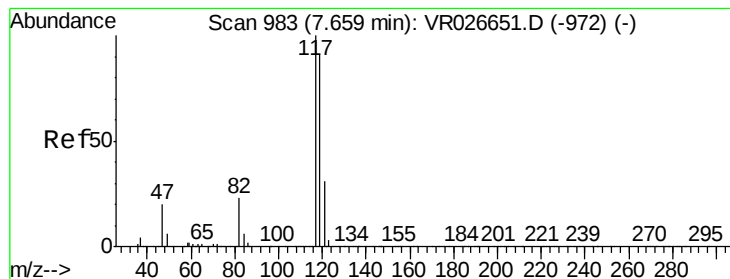
#30
Cyclohexane
Concen: 13.331 ug/L
RT: 7.54 min Scan# 963
Delta R.T. -0.01 min
Lab File: VR026652.D
Acq: 10 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.3	25.9	38.9
84	85.7	66.2	99.4



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





#31

Carbon tetrachloride

Concen: 12.138 ug/L

RT: 7.66 min Scan# 983

Delta R.T. -0.00 min

Lab File: VR026652.D

Acq: 10 Oct 2019 16:13

Instrument :

MSVOA_R

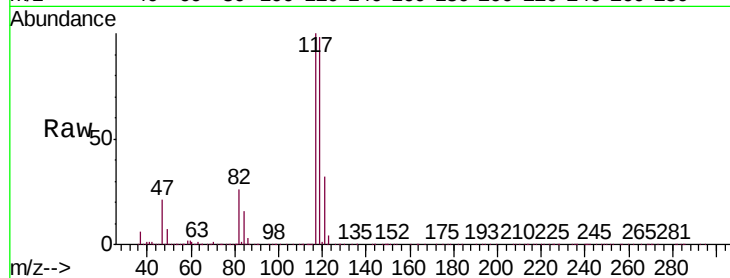
ClientSampleId :

Tgt Ion:117 Resp: 367610

Ion Ratio Lower Upper

117 100

119 95.8 76.6 114.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

7.66

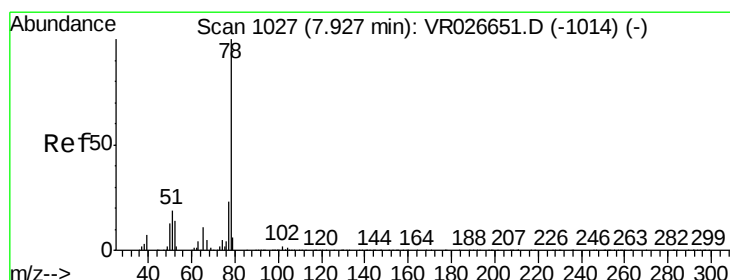
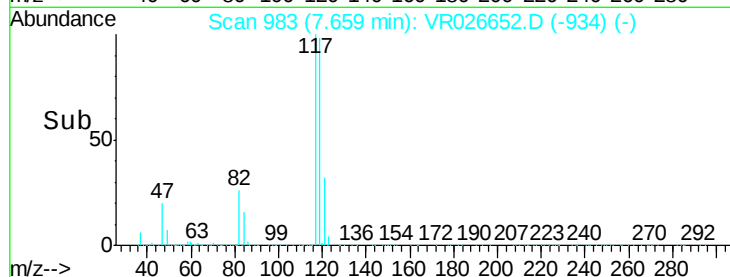
150000

100000

50000

0

Time-->



#33

Benzene

Concen: 11.701 ug/L

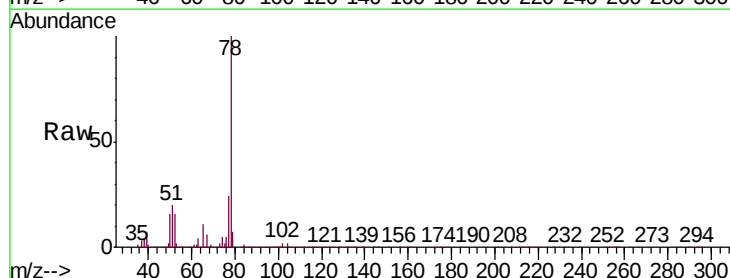
RT: 7.93 min Scan# 1027

Delta R.T. -0.00 min

Lab File: VR026652.D

Acq: 10 Oct 2019 16:13

Tgt Ion: 78 Resp: 1148379



Abundance Ion 78.10 (77.80 to 78.80): VR0

7.93

600000

500000

400000

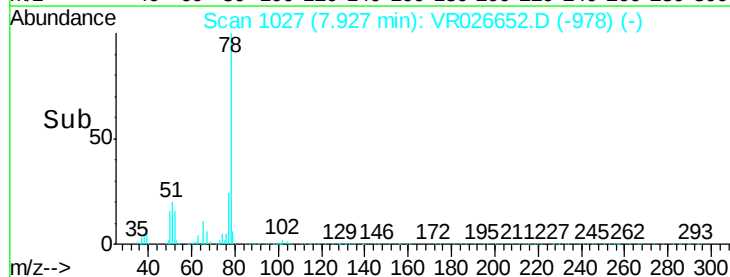
300000

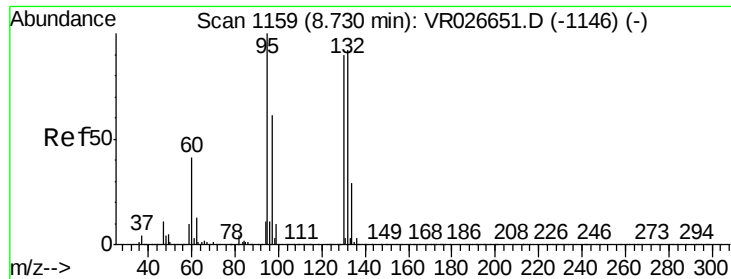
200000

100000

0

Time-->

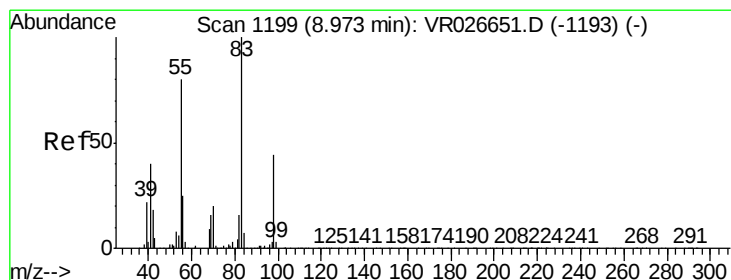
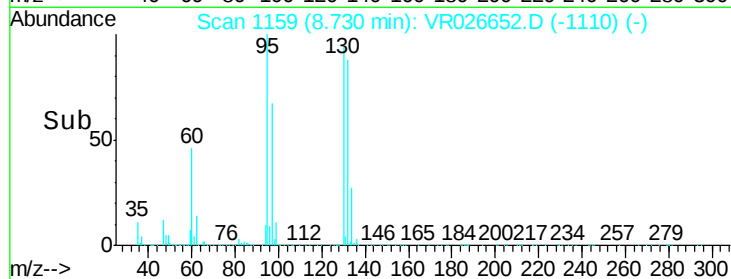
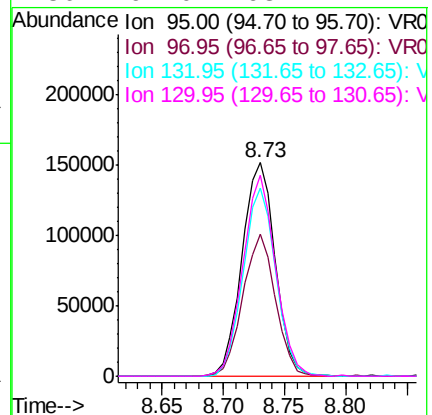
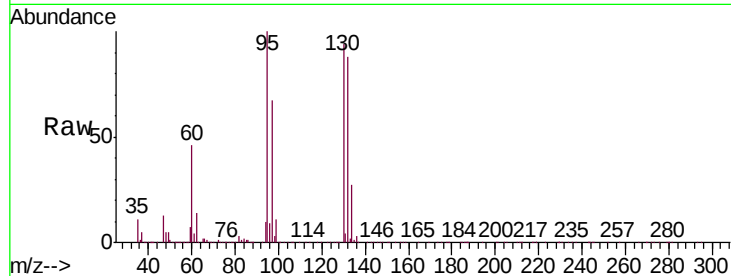




#34
 Trichloroethene
 Concen: 11.684 ug/L
 RT: 8.73 min Scan# 1159
 Delta R.T. -0.00 min
 Lab File: VR026652.D
 Acq: 10 Oct 2019 16:13

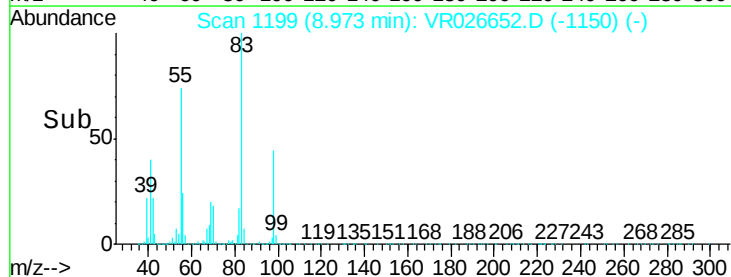
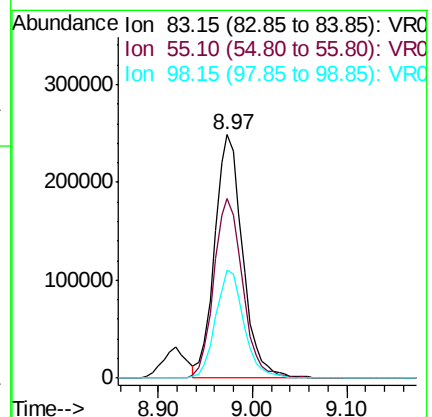
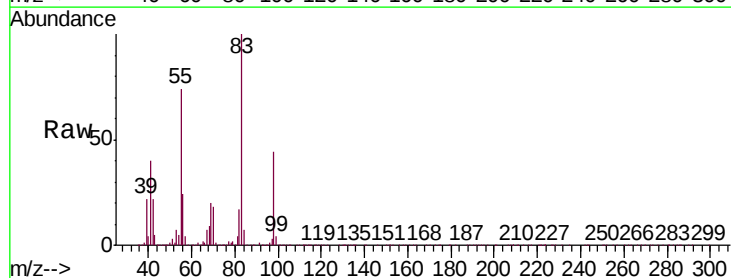
Instrument :
 MSVOA_R
 ClientSampleId :

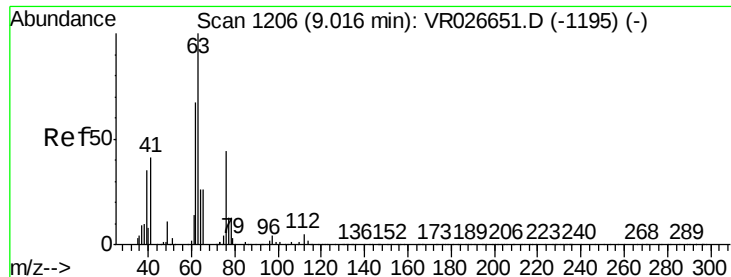
Tgt Ion:	95	Resp:	284624
Ion	Ratio	Lower	Upper
95	100		
97	66.5	43.0	79.8
132	88.2	64.6	120.0
130	94.0	63.2	117.4



#35
 Methylcyclohexane
 Concen: 13.603 ug/L
 RT: 8.97 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VR026652.D
 Acq: 10 Oct 2019 16:13

Tgt Ion:	83	Resp:	508433
Ion	Ratio	Lower	Upper
83	100		
55	76.4	61.3	91.9
98	44.9	34.3	51.5

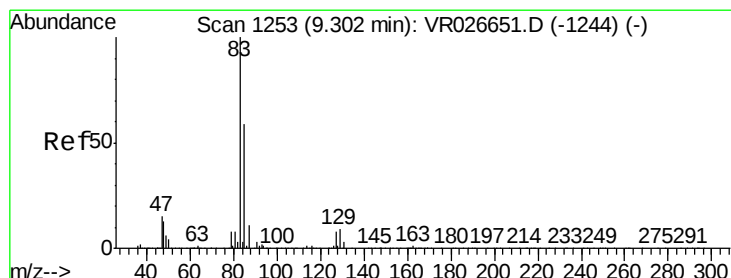
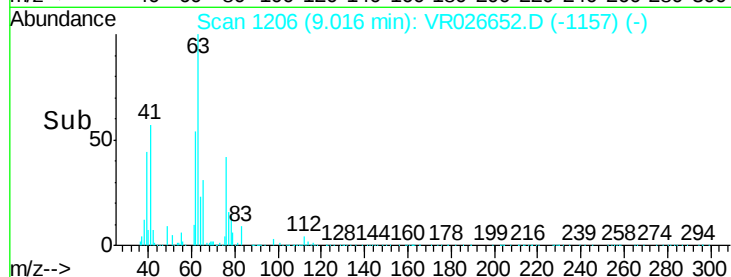
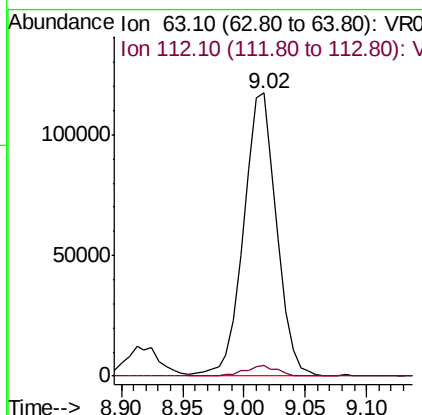
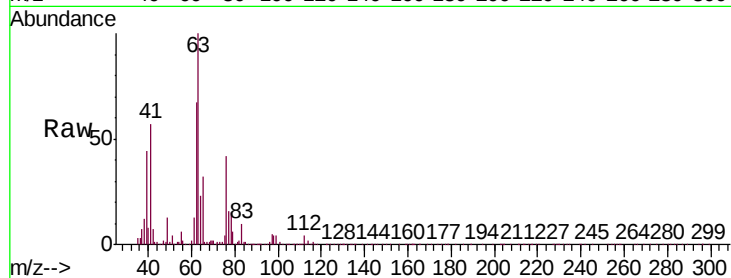




#37
 1,2-Dichloropropane
 Concen: 11.157 ug/L
 RT: 9.02 min Scan# 1206
 Delta R.T. -0.00 min
 Lab File: VR026652.D
 Acq: 10 Oct 2019 16:13

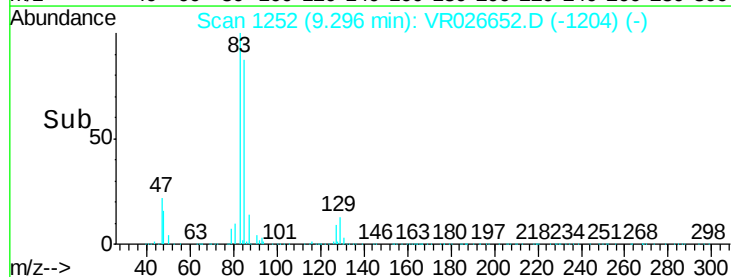
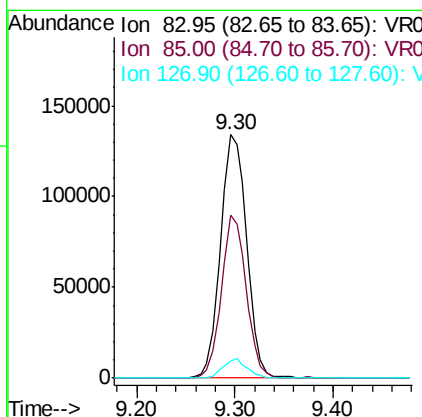
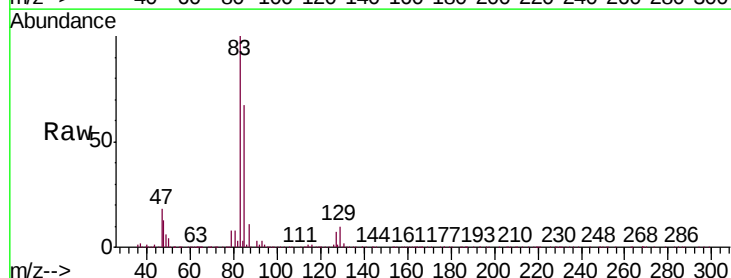
Instrument :
 MSVOA_R
 ClientSampled :

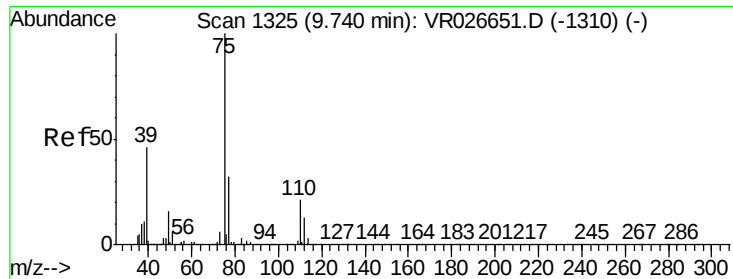
Tgt Ion: 63 Resp: 217687
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.6 5.4



#38
 Bromodichloromethane
 Concen: 11.809 ug/L
 RT: 9.30 min Scan# 1252
 Delta R.T. -0.01 min
 Lab File: VR026652.D
 Acq: 10 Oct 2019 16:13

Tgt Ion: 83 Resp: 248939
 Ion Ratio Lower Upper
 83 100
 85 66.8 41.3 76.7
 127 7.2 6.8 10.2

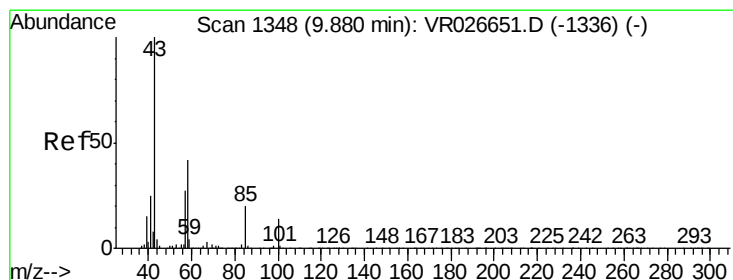
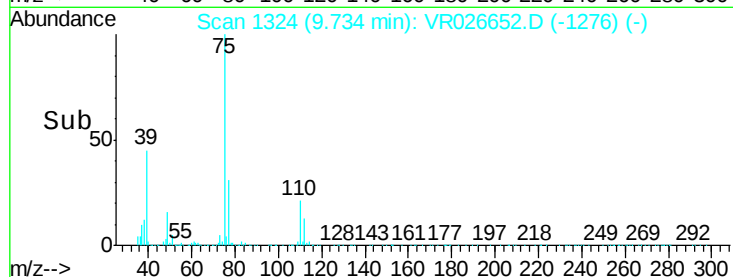
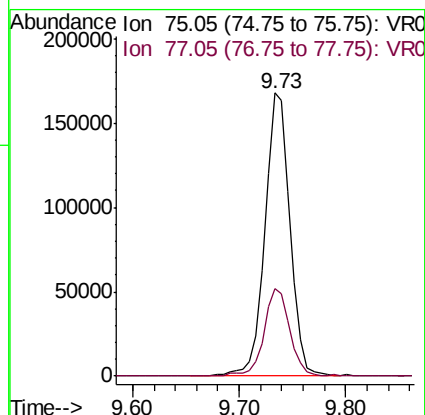
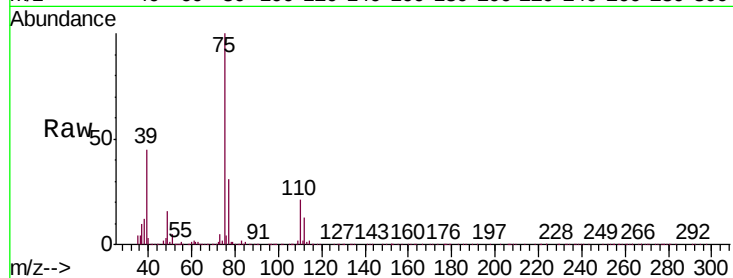




#39
 cis-1,3-Dichloropropene
 Concen: 13.369 ug/L
 RT: 9.73 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VR026652.D
 Acq: 10 Oct 2019 16:13

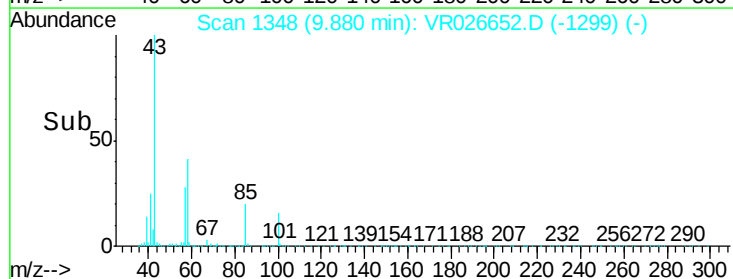
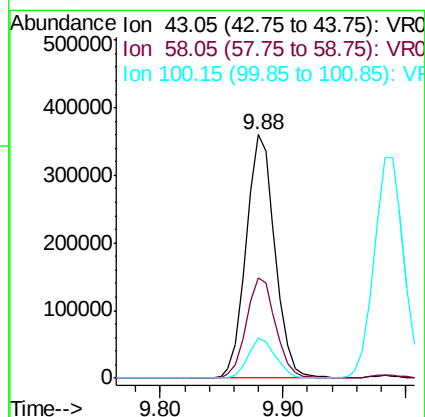
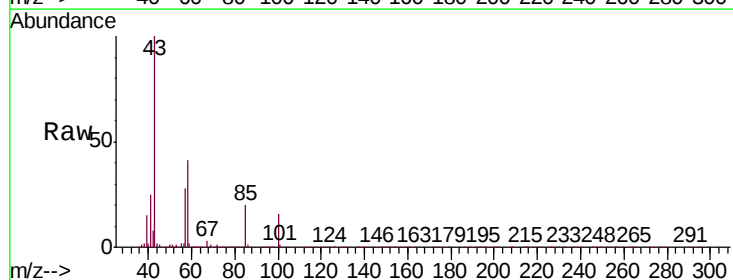
Instrument :
 MSVOA_R
 ClientSampleId :

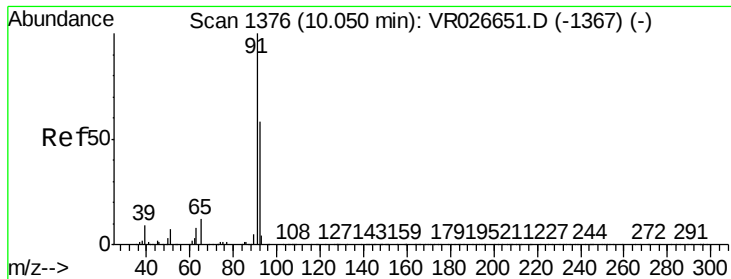
Tgt Ion: 75 Resp: 276638
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 122.548 ug/L
 RT: 9.88 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VR026652.D
 Acq: 10 Oct 2019 16:13

Tgt Ion: 43 Resp: 587472
 Ion Ratio Lower Upper
 43 100
 58 41.8 32.4 48.6
 100 15.6 12.9 19.3





#42

Toluene

Concen: 12.952 ug/L

RT: 10.05 min Scan# 1376

Delta R.T. -0.00 min

Lab File: VR026652.D

Acq: 10 Oct 2019 16:13

Instrument :

MSVOA_R

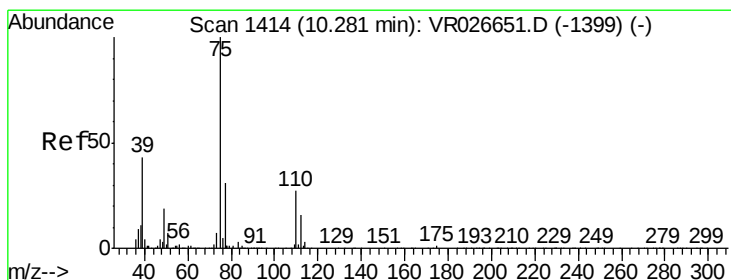
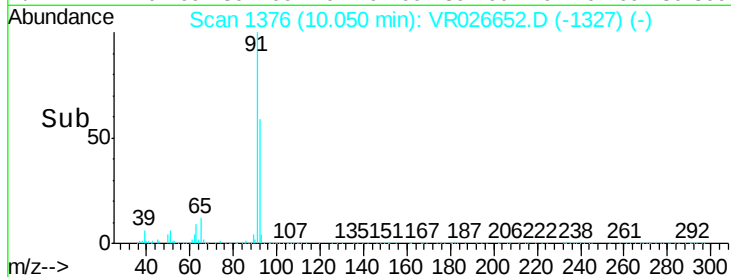
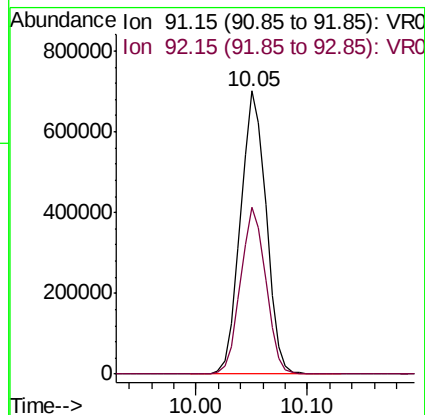
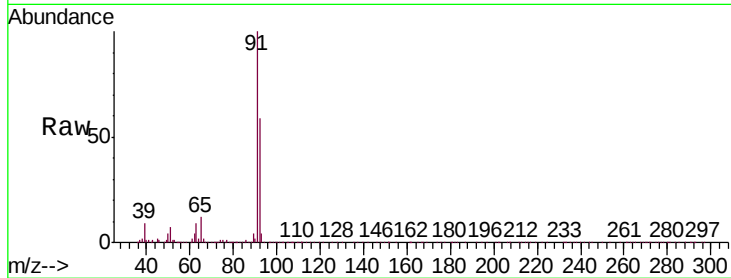
ClientSampleId :

Tgt Ion: 91 Resp: 1117452

Ion Ratio Lower Upper

91 100

92 59.0 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 13.524 ug/L

RT: 10.28 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VR026652.D

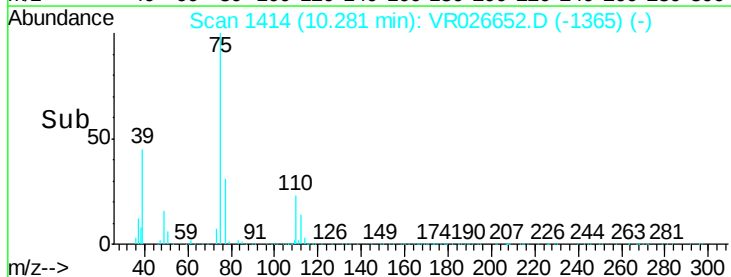
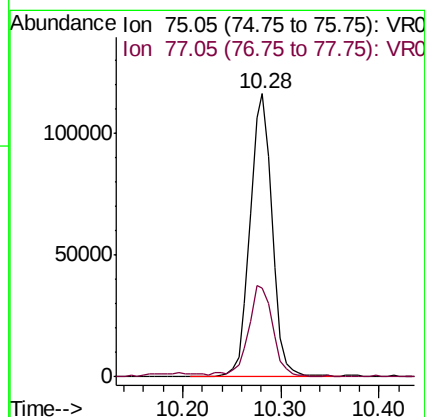
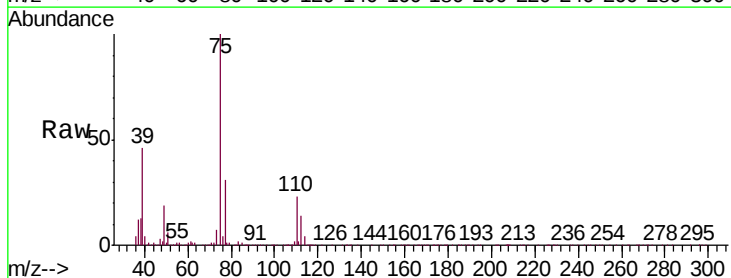
Acq: 10 Oct 2019 16:13

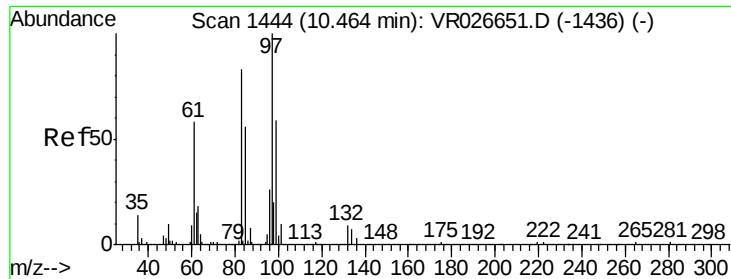
Tgt Ion: 75 Resp: 182868

Ion Ratio Lower Upper

75 100

77 31.3 24.2 45.0

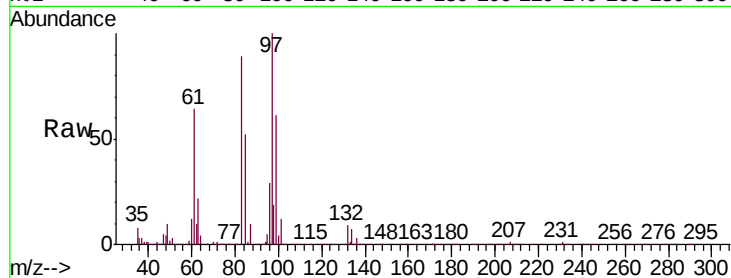




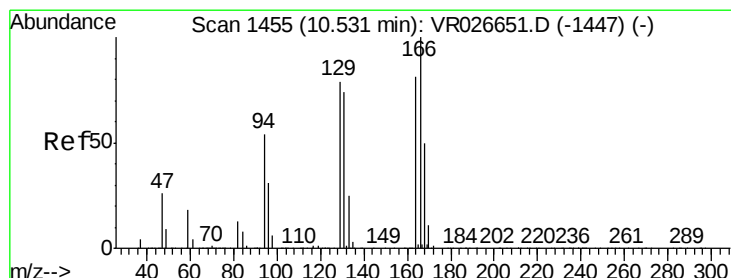
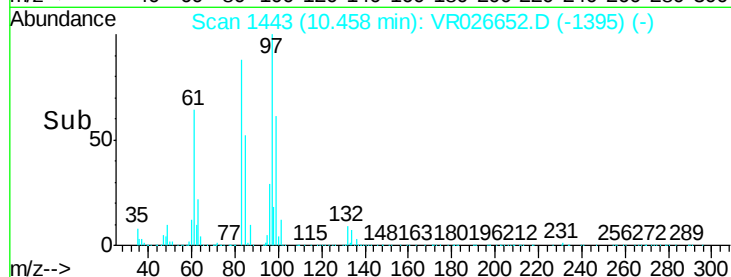
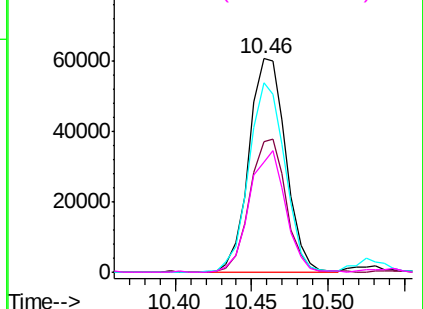
#45
 1,1,2-Trichloroethane
 Concen: 11.974 ug/L
 RT: 10.46 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VR026652.D
 Acq: 10 Oct 2019 16:13

Instrument :
 MSVOA_R
 ClientSampled :

Tgt Ion:	97	Resp:	101030
Ion	Ratio	Lower	Upper
97	100		
99	61.2	41.3	76.7
83	88.6	58.2	108.2
85	51.8	39.5	73.3

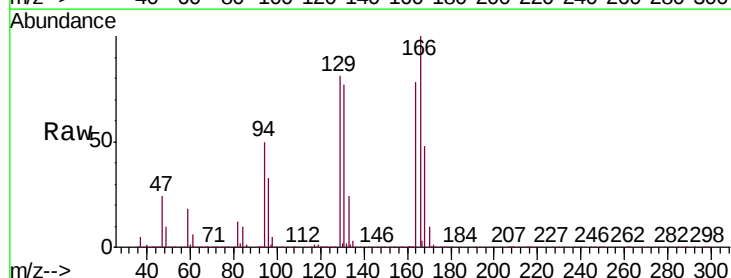


Abundance Ion 96.95 (96.65 to 97.65): VR0
 Ion 99.05 (98.75 to 99.75): VR0
 Ion 82.95 (82.65 to 83.65): VR0
 Ion 85.00 (84.70 to 85.70): VR0

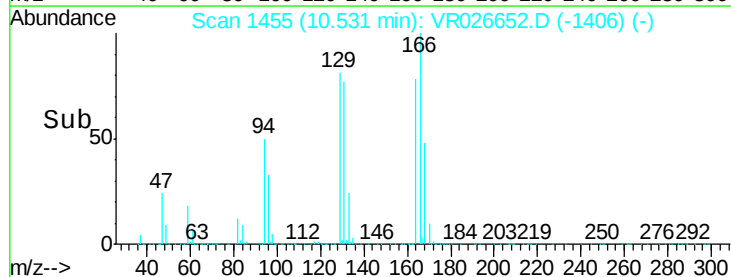
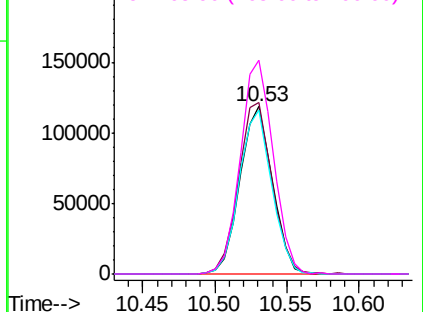


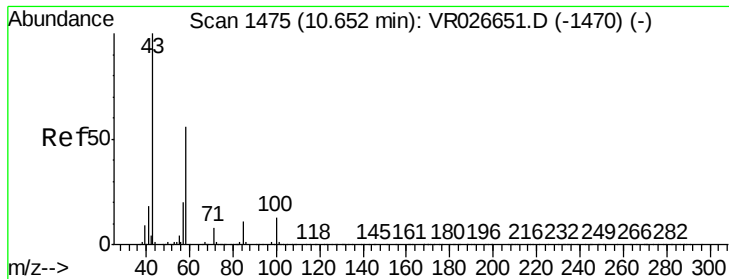
#47
 Tetrachloroethene
 Concen: 12.459 ug/L
 RT: 10.53 min Scan# 1455
 Delta R.T. -0.00 min
 Lab File: VR026652.D
 Acq: 10 Oct 2019 16:13

Tgt Ion:	164	Resp:	184120
Ion	Ratio	Lower	Upper
164	100		
129	103.0	68.2	126.6
131	97.9	63.2	117.4
166	127.8	86.0	159.6



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

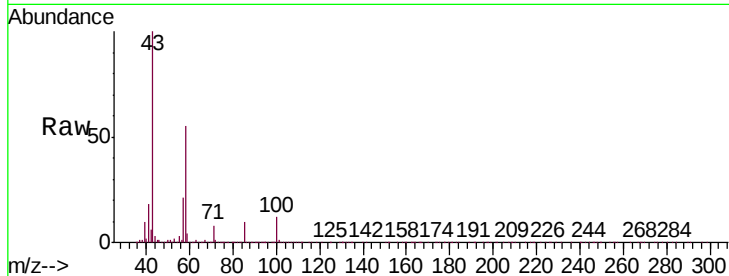




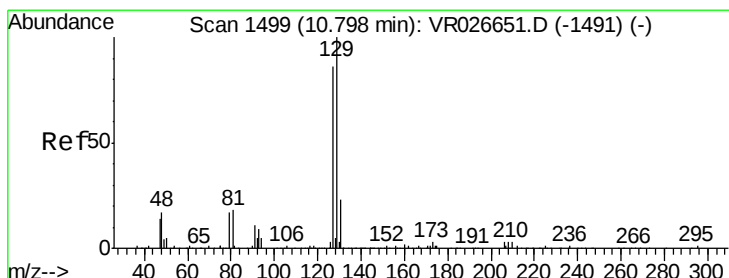
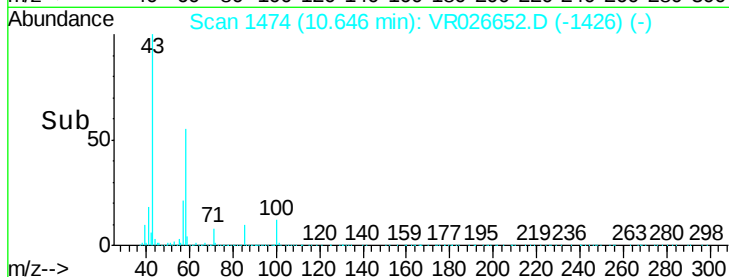
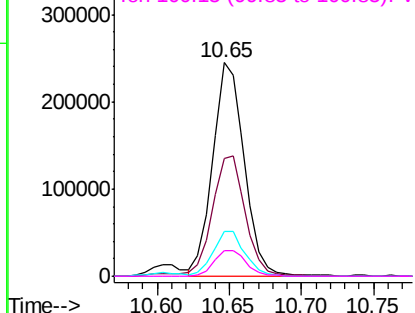
#48
2-Hexanone
Concen: 122.055 ug/L
RT: 10.65 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VR026652.D
Acq: 10 Oct 2019 16:13

Instrument :
MSVOA_R
ClientSampleId :

Tgt Ion:	43	Resp:	373392
Ion	Ratio	Lower	Upper
43	100		
58	59.9	47.0	70.4
57	21.0	16.8	25.2
100	12.7	10.3	15.5

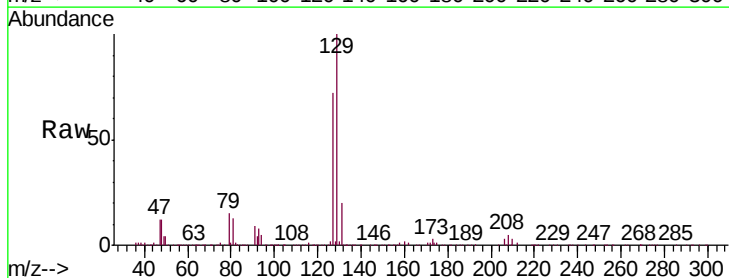


Abundance Ion 43.05 (42.75 to 43.75): VR0
Ion 58.05 (57.75 to 58.75): VR0
Ion 57.20 (56.90 to 57.90): VR0
Ion 100.15 (99.85 to 100.85): VR0

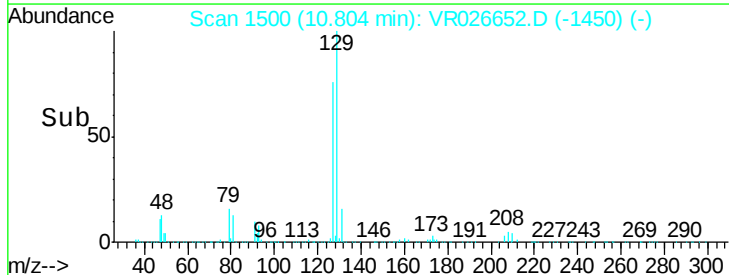
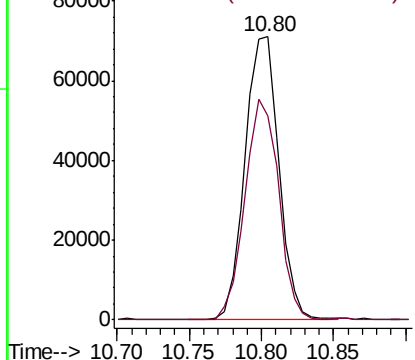


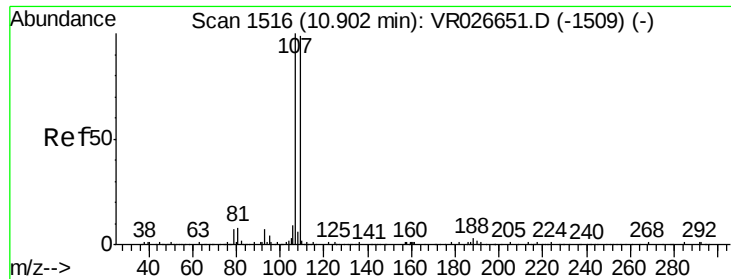
#49
Dibromochloromethane
Concen: 12.508 ug/L
RT: 10.80 min Scan# 1500
Delta R.T. 0.01 min
Lab File: VR026652.D
Acq: 10 Oct 2019 16:13

Tgt Ion:	129	Resp:	115113
Ion	Ratio	Lower	Upper
129	100		
127	72.0	60.2	111.8



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

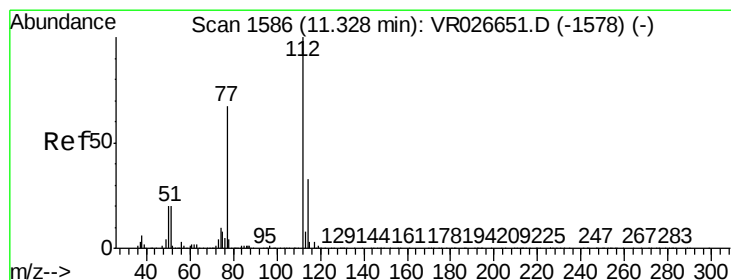
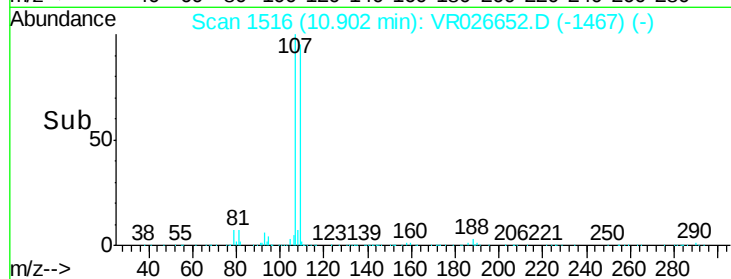
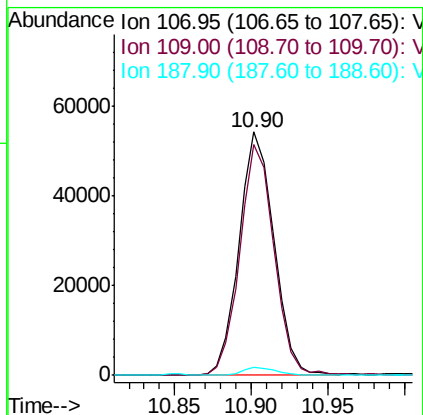
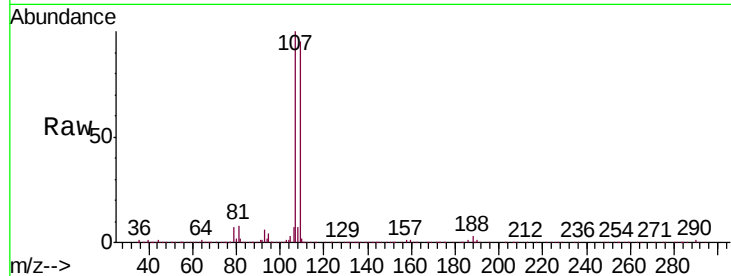




#50
1,2-Dibromoethane
Concen: 11.721 ug/L
RT: 10.90 min Scan# 1516
Delta R.T. -0.00 min
Lab File: VR026652.D
Acq: 10 Oct 2019 16:13

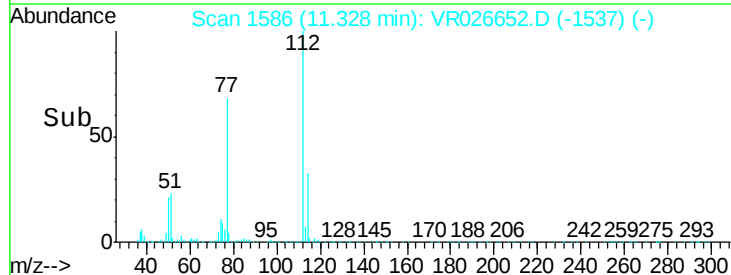
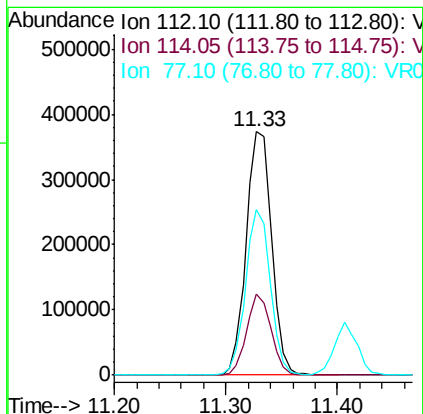
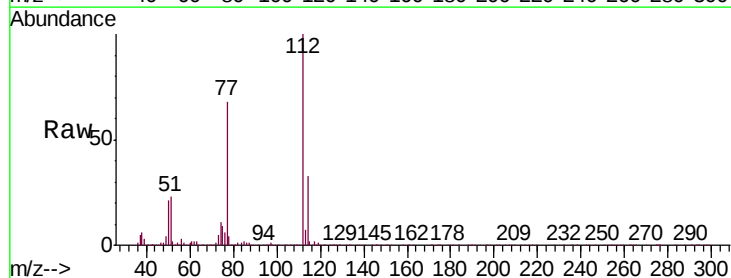
Instrument :
MSVOA_R
ClientSampleId :

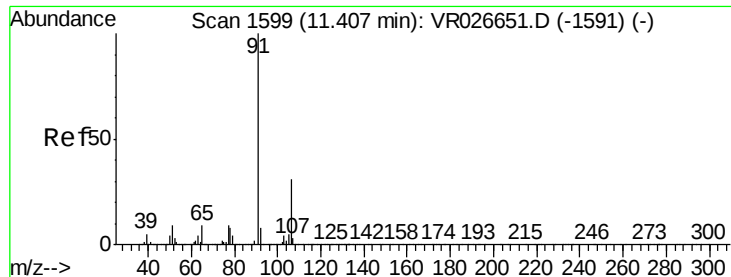
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.7	69.4	128.8
188	3.3	2.1	3.1#



#51
Chlorobenzene
Concen: 11.939 ug/L
RT: 11.33 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VR026652.D
Acq: 10 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.3	22.9	42.5
77	68.1	53.4	80.0





#52

Ethylbenzene

Concen: 12.886 ug/L

RT: 11.41 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VR026652.D

Acq: 10 Oct 2019 16:13

Instrument :

MSVOA_R

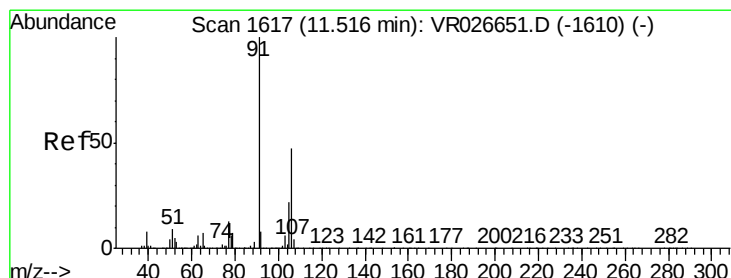
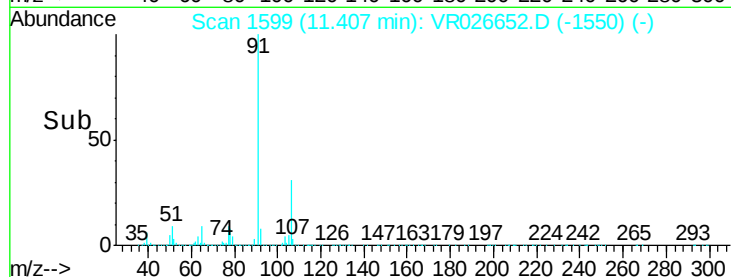
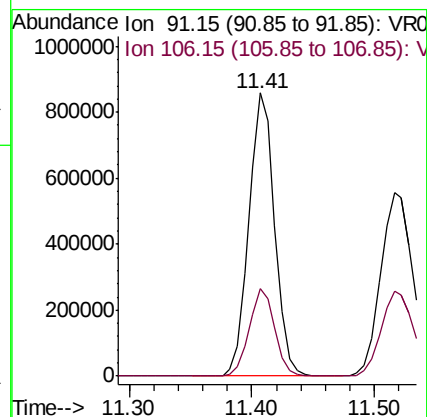
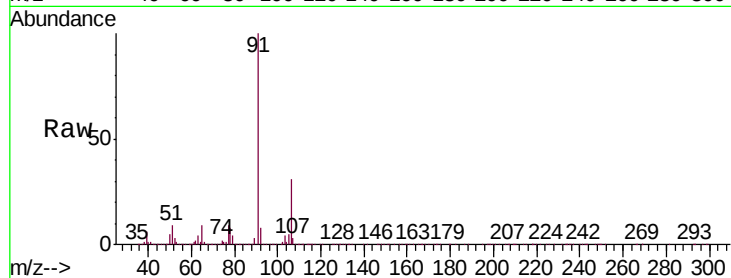
ClientSampleId :

Tgt Ion: 91 Resp: 1251956

Ion Ratio Lower Upper

91 100

106 31.1 21.6 40.2



#53

m,p-Xylene

Concen: 13.239 ug/L

RT: 11.52 min Scan# 1617

Delta R.T. -0.00 min

Lab File: VR026652.D

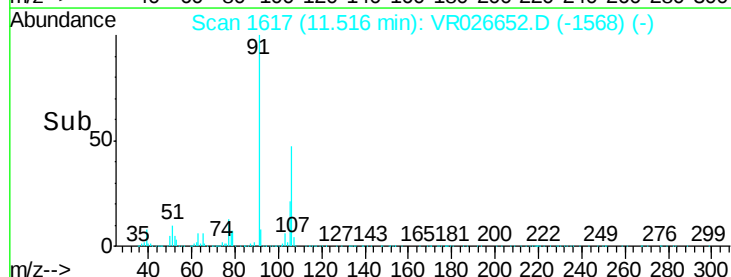
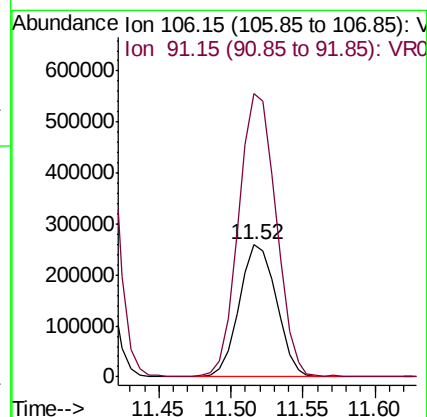
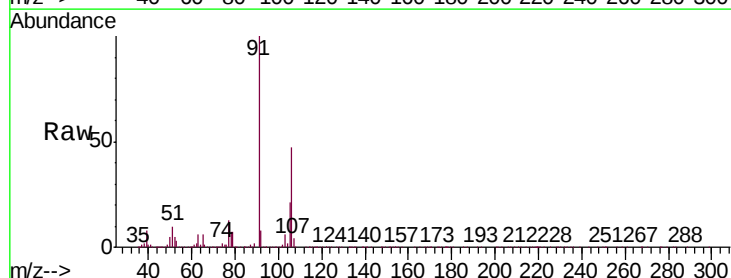
Acq: 10 Oct 2019 16:13

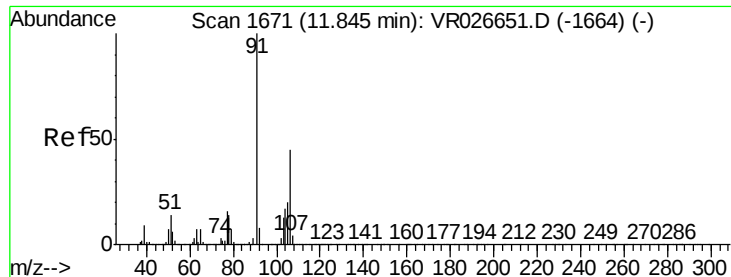
Tgt Ion: 106 Resp: 463631

Ion Ratio Lower Upper

106 100

91 214.4 148.4 275.6

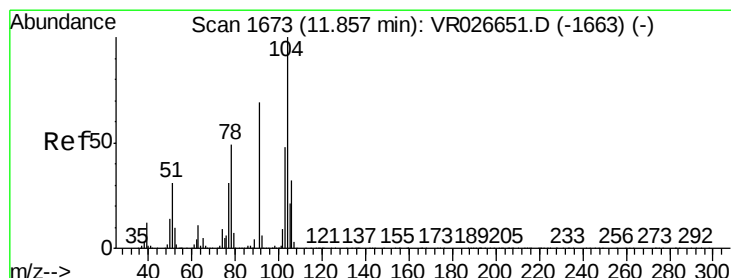
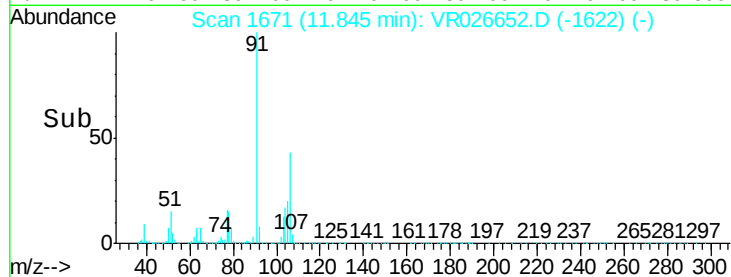
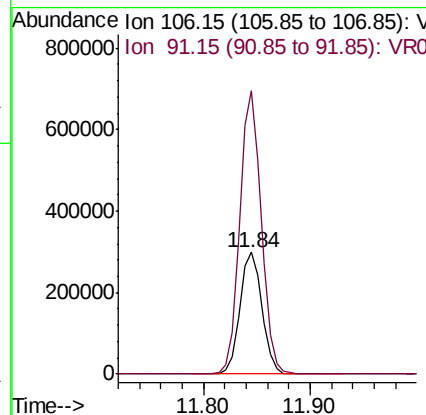
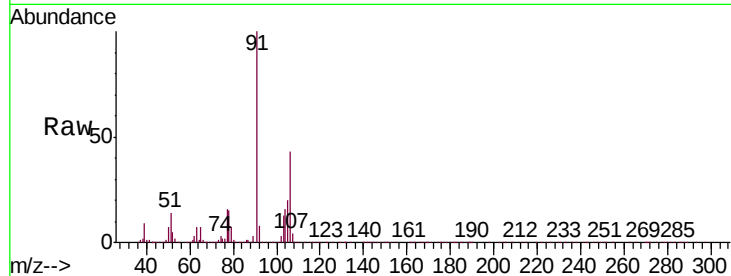




#54
o-Xylene
Concen: 12.637 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR026652.D
Acq: 10 Oct 2019 16:13

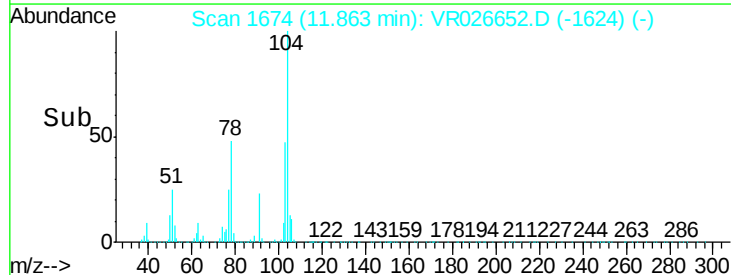
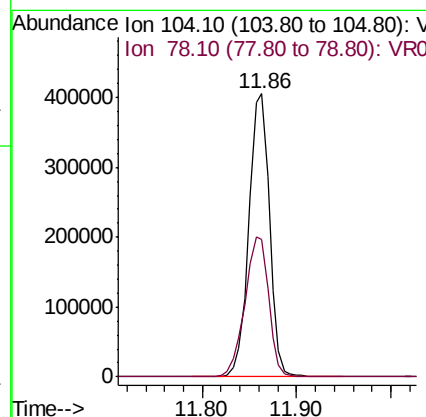
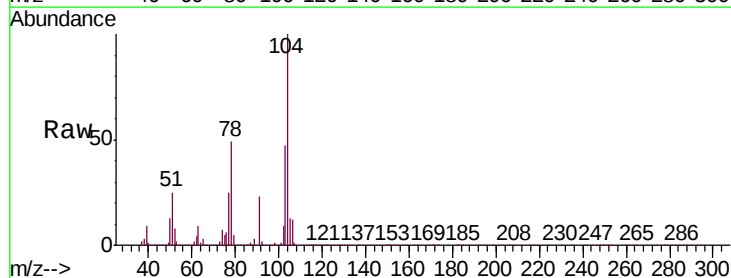
Instrument :
MSVOA_R
ClientSampleId :

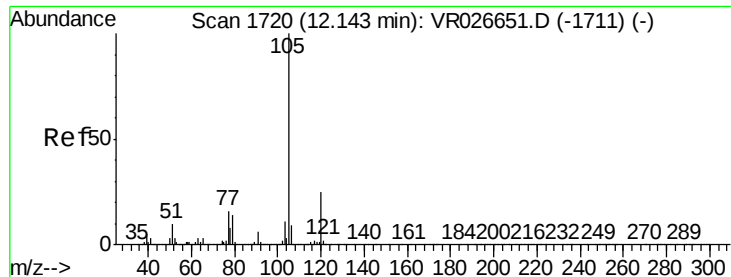
Tgt Ion:106 Resp: 433445
Ion Ratio Lower Upper
106 100
91 232.8 156.4 290.6



#55
Styrene
Concen: 12.623 ug/L
RT: 11.86 min Scan# 1674
Delta R.T. 0.01 min
Lab File: VR026652.D
Acq: 10 Oct 2019 16:13

Tgt Ion:104 Resp: 620141
Ion Ratio Lower Upper
104 100
78 48.6 34.5 64.1





#56

Isopropylbenzene

Concen: 12.969 ug/L

RT: 12.15 min Scan# 1721

Delta R.T. 0.01 min

Lab File: VR026652.D

Acq: 10 Oct 2019 16:13

Instrument :

MSVOA_R

ClientSampled :

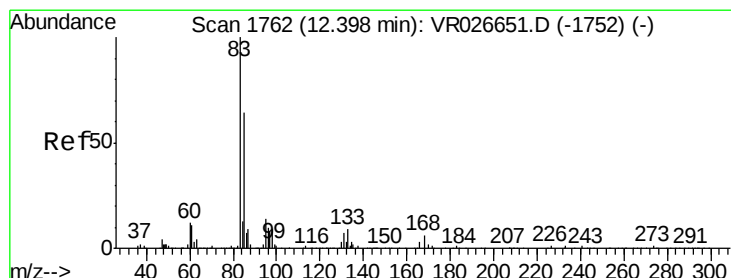
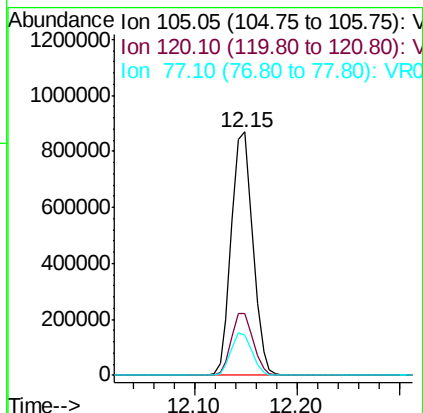
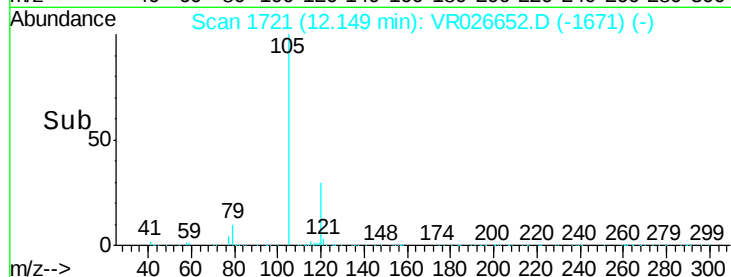
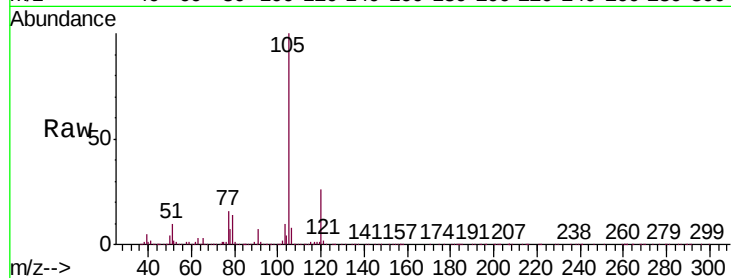
Tgt Ion:105 Resp: 1259715

Ion Ratio Lower Upper

105 100

120 26.0 20.6 31.0

77 17.3 13.6 20.4



#58

1,1,2,2-Tetrachloroethane

Concen: 11.101 ug/L

RT: 12.40 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VR026652.D

Acq: 10 Oct 2019 16:13

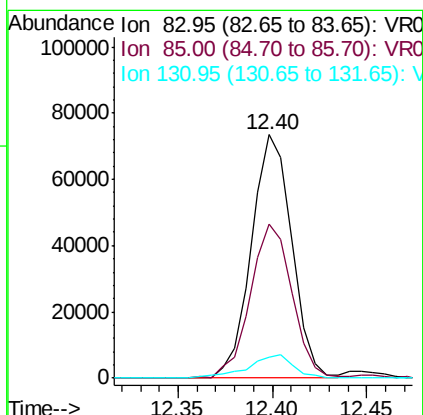
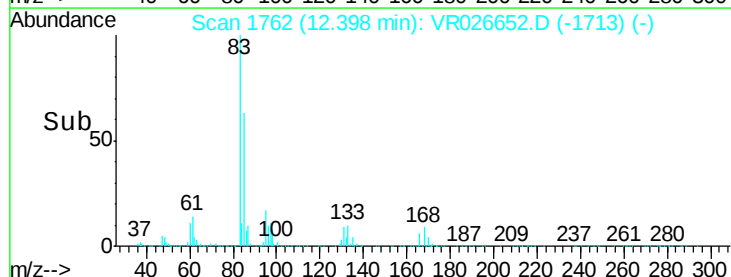
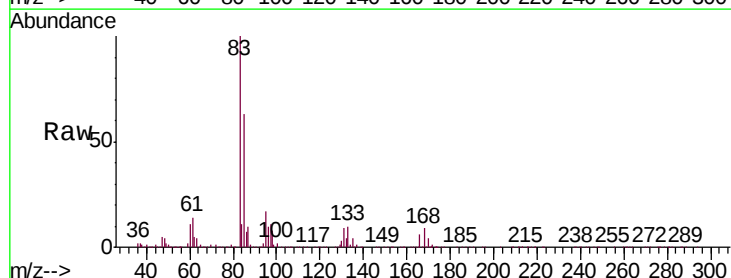
Tgt Ion: 83 Resp: 109027

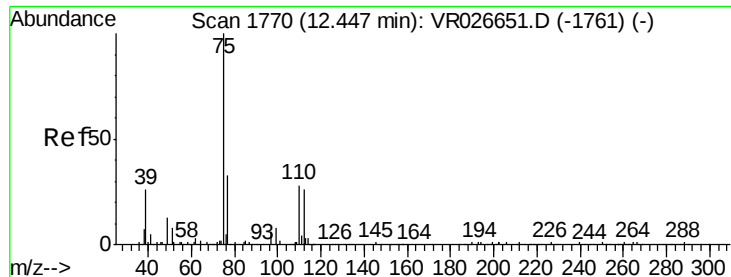
Ion Ratio Lower Upper

83 100

85 63.2 44.7 82.9

131 8.6 5.4 8.2#





#59

1,2,3-Trichloropropane

Concen: 11.293 ug/L

RT: 12.45 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VR026652.D

Acq: 10 Oct 2019 16:13

Instrument :

MSVOA_R

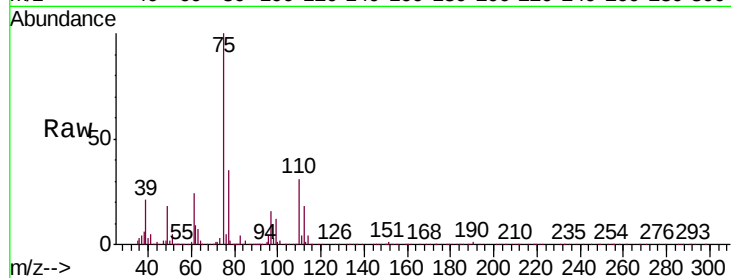
ClientSampled :

Tgt Ion: 75 Resp: 78863

Ion Ratio Lower Upper

75 100

77 34.4 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VR0

Ion 77.00 (76.70 to 77.70): VR0

12.45

60000

50000

40000

30000

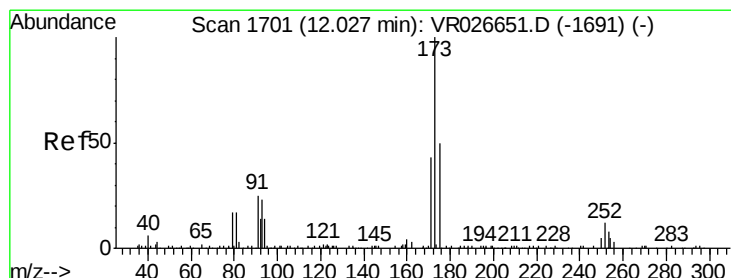
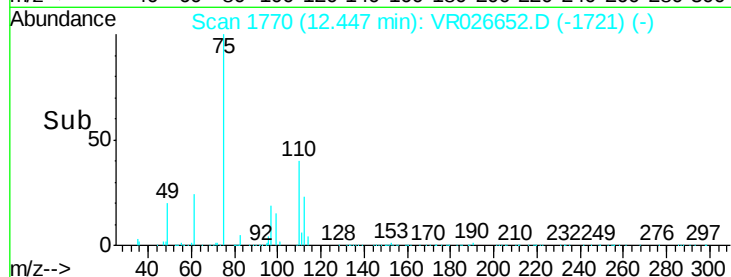
20000

10000

0

Time-->

12.40 12.50



#61

Bromoform

Concen: 11.332 ug/L

RT: 12.03 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VR026652.D

Acq: 10 Oct 2019 16:13

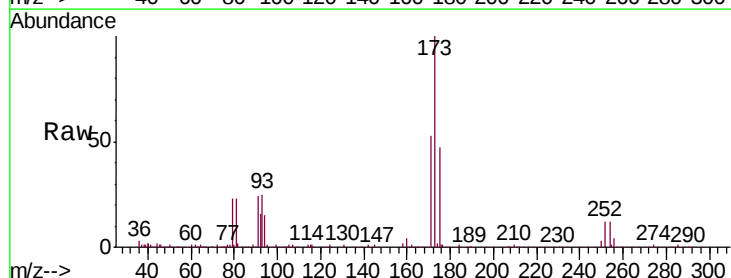
Tgt Ion: 173 Resp: 45701

Ion Ratio Lower Upper

173 100

175 49.3 38.6 57.8

254 11.9 11.3 16.9



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V

40000

30000

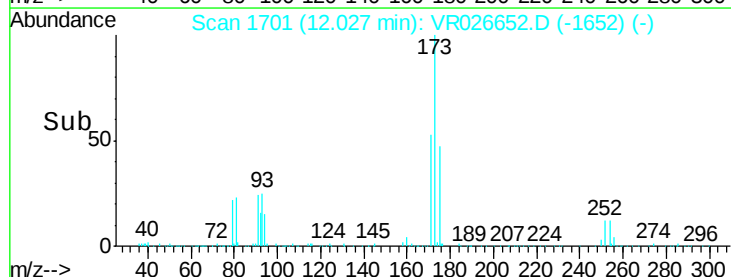
20000

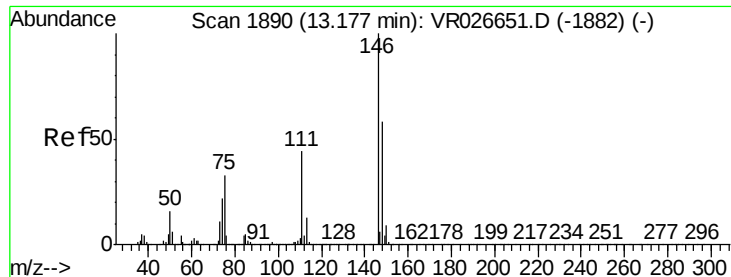
10000

0

Time-->

11.95 12.00 12.05





#62

1,3-Dichlorobenzene

Concen: 11.477 ug/L

RT: 13.18 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VR026652.D

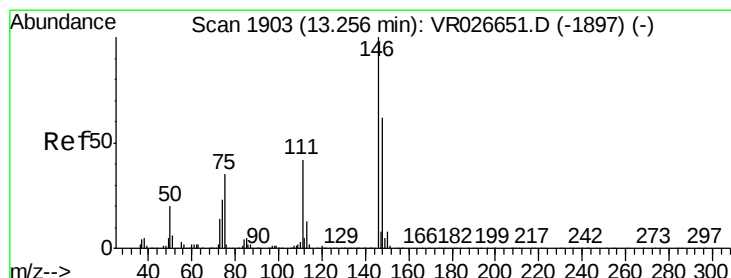
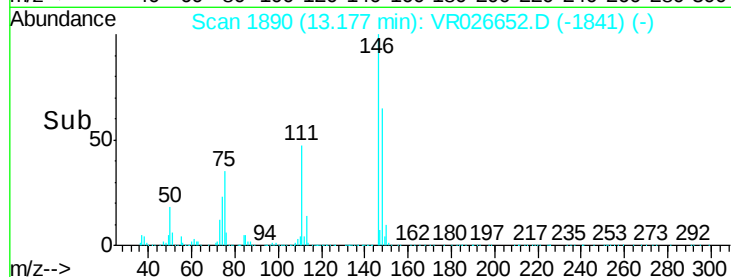
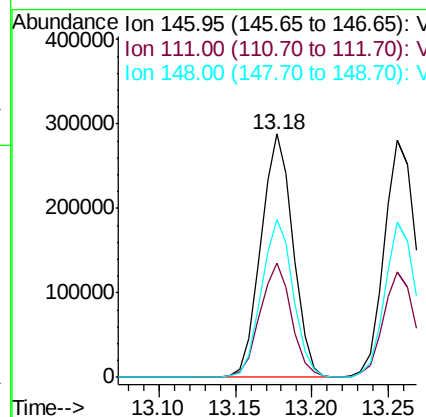
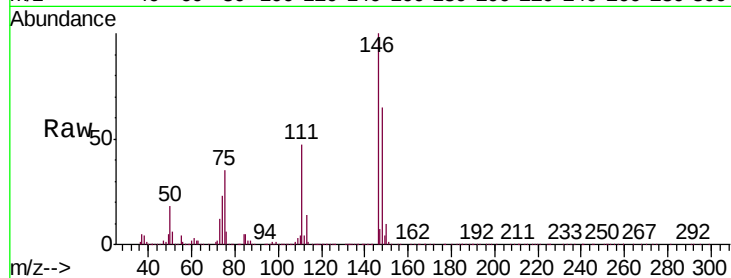
Acq: 10 Oct 2019 16:13

Instrument :

MSVOA_R

ClientSampled :

Tgt Ion:	146	Resp:	420166
Ion	Ratio	Lower	Upper
146	100		
111	46.9	31.0	57.6
148	64.7	40.9	75.9



#63

1,4-Dichlorobenzene

Concen: 11.029 ug/L

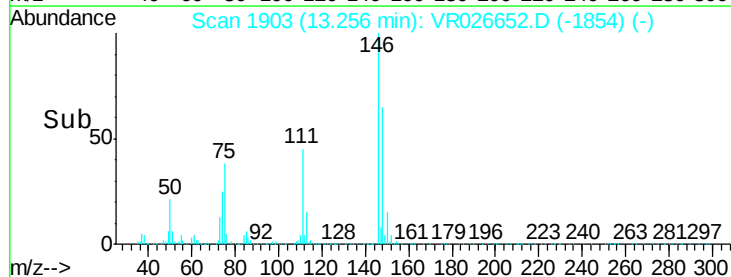
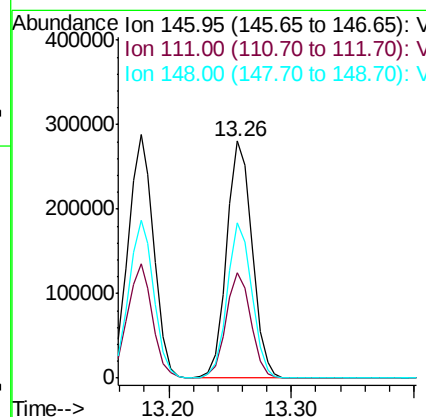
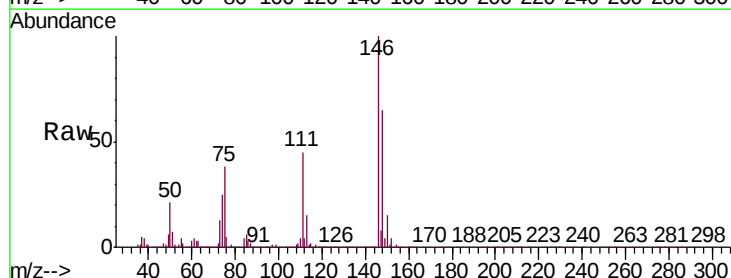
RT: 13.26 min Scan# 1903

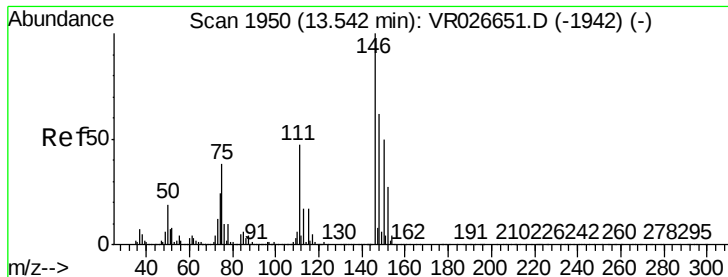
Delta R.T. -0.00 min

Lab File: VR026652.D

Acq: 10 Oct 2019 16:13

Tgt Ion:	146	Resp:	403225
Ion	Ratio	Lower	Upper
146	100		
111	44.7	29.6	55.0
148	65.3	43.2	80.2

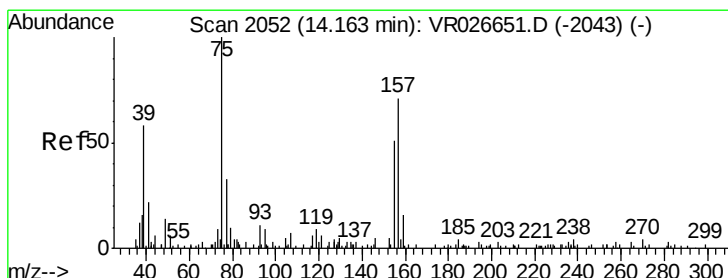
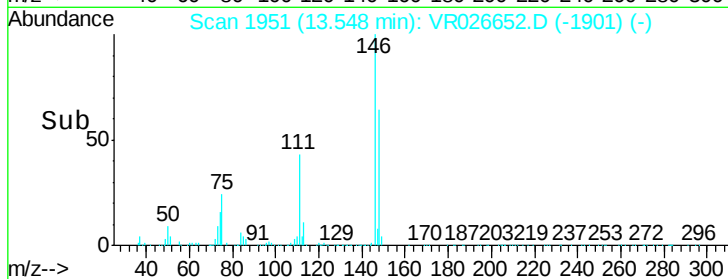
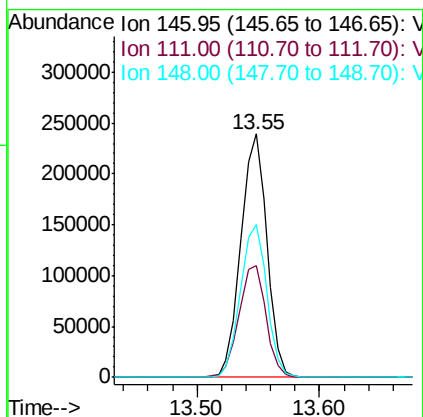
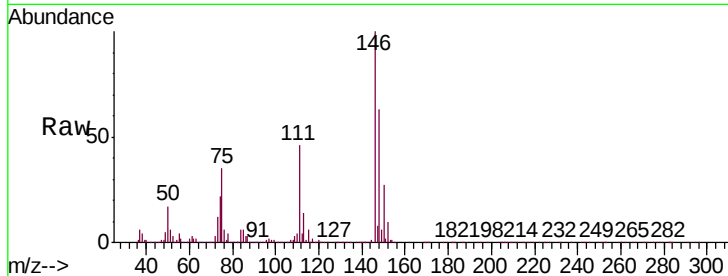




#65
 1,2-Dichlorobenzene
 Concen: 11.434 ug/L
 RT: 13.55 min Scan# 1951
 Delta R.T. 0.01 min
 Lab File: VR026652.D
 Acq: 10 Oct 2019 16:13

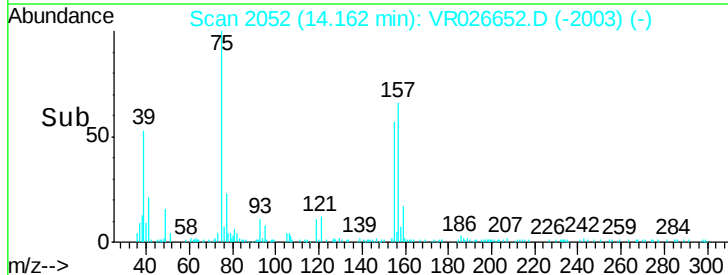
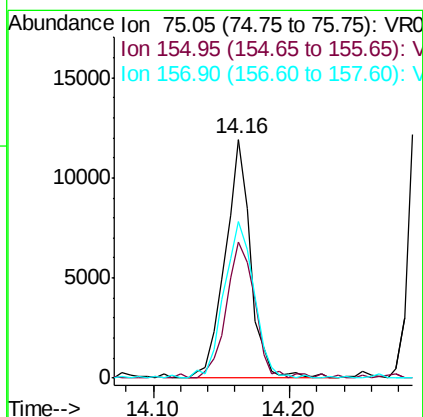
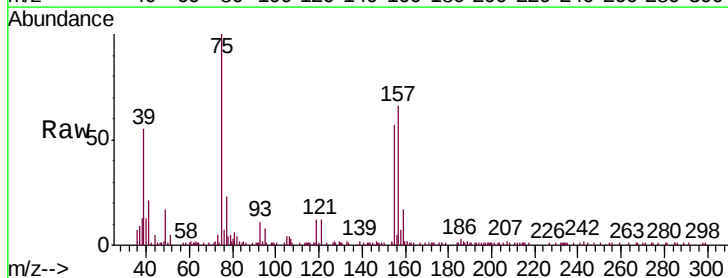
Instrument :
 MSVOA_R
 ClientSampleId :

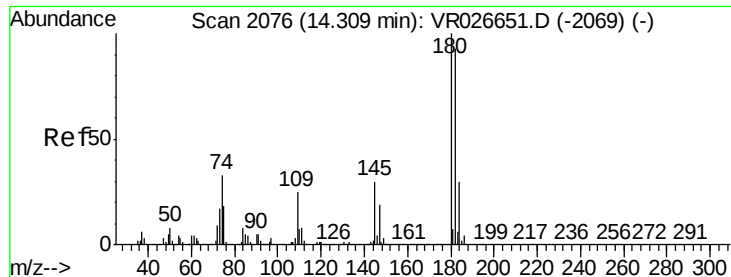
Tgt Ion: 146 Resp: 352124
 Ion Ratio Lower Upper
 146 100
 111 46.1 37.4 56.2
 148 62.8 49.6 74.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 9.905 ug/L
 RT: 14.16 min Scan# 2052
 Delta R.T. -0.00 min
 Lab File: VR026652.D
 Acq: 10 Oct 2019 16:13

Tgt Ion: 75 Resp: 15451
 Ion Ratio Lower Upper
 75 100
 155 57.0 41.8 62.8
 157 65.5 56.5 84.7

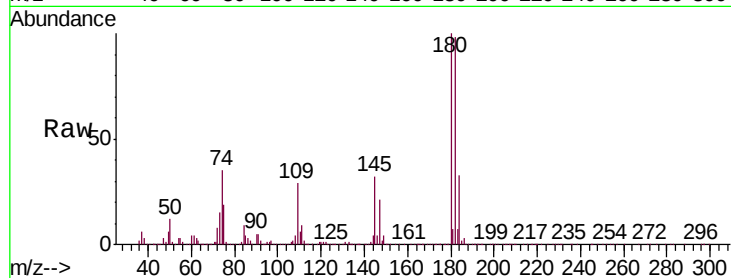




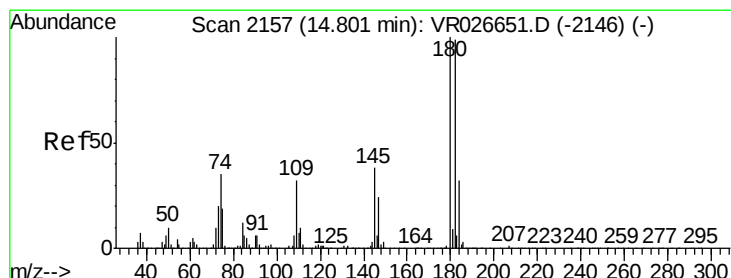
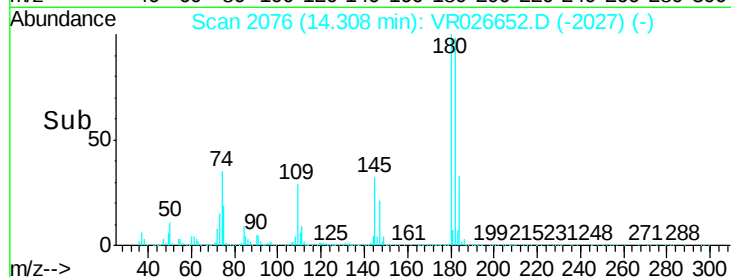
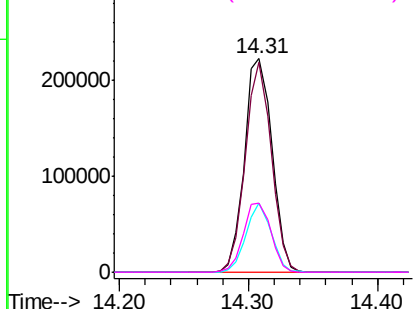
#67
 1,3,5-Trichlorobenzene
 Concen: 11.161 ug/L
 RT: 14.31 min Scan# 2076
 Delta R.T. -0.00 min
 Lab File: VR026652.D
 Acq: 10 Oct 2019 16:13

Instrument :
 MSVOA_R
 ClientSampleId :

Tgt Ion:	180	Resp:	326392
Ion Ratio	Lower	Upper	
180	100		
182	92.8	72.5	108.7
184	29.7	22.7	34.1
145	32.7	24.7	37.1

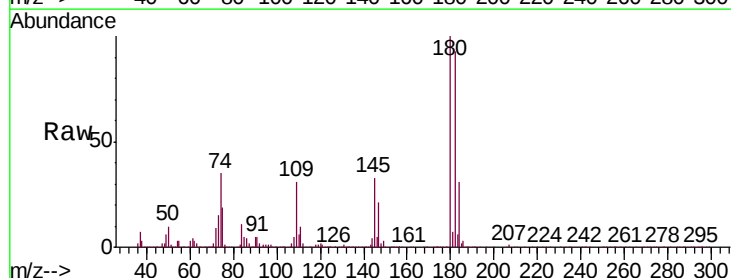


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

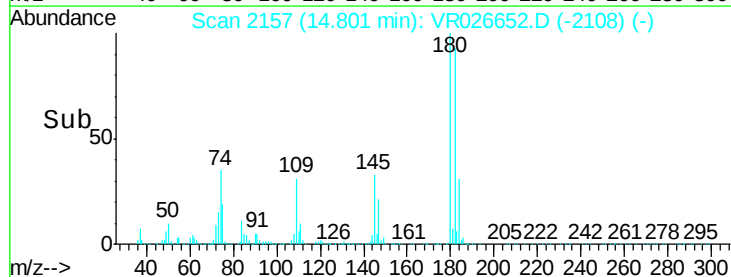
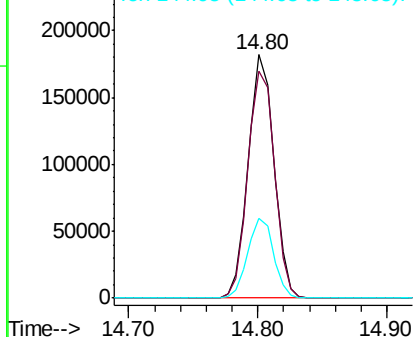


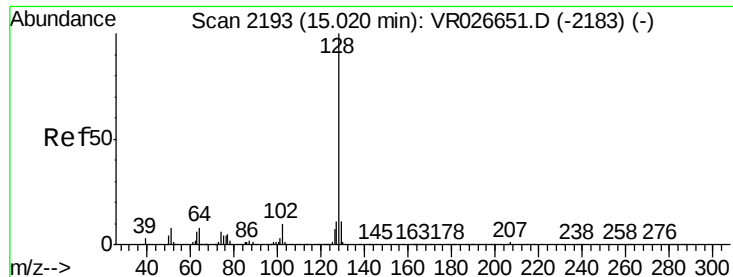
#68
 1,2,4-trichlorobenzene
 Concen: 12.159 ug/L
 RT: 14.80 min Scan# 2157
 Delta R.T. -0.00 min
 Lab File: VR026652.D
 Acq: 10 Oct 2019 16:13

Tgt Ion:	180	Resp:	249495
Ion Ratio	Lower	Upper	
180	100		
182	96.6	75.7	113.5
145	33.2	27.0	40.6



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 12.657 ug/L

RT: 15.02 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VR026652.D

Acq: 10 Oct 2019 16:13

Instrument :

MSVOA_R

ClientSampleId :

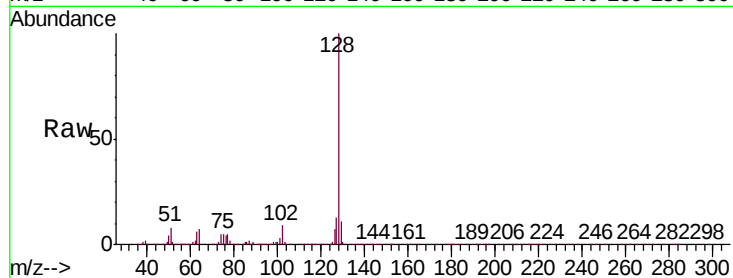
Tgt Ion:128 Resp: 339078

Ion Ratio Lower Upper

128 100

127 13.4 10.6 16.0

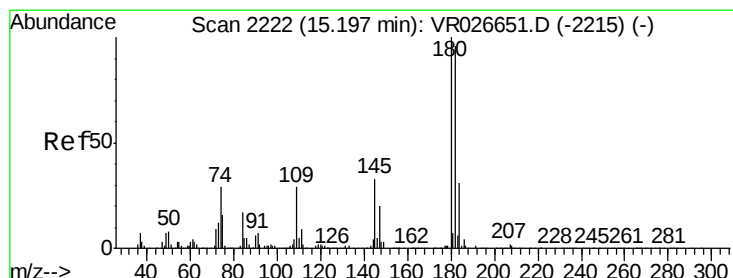
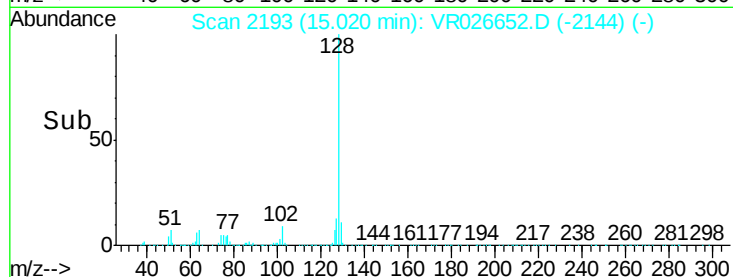
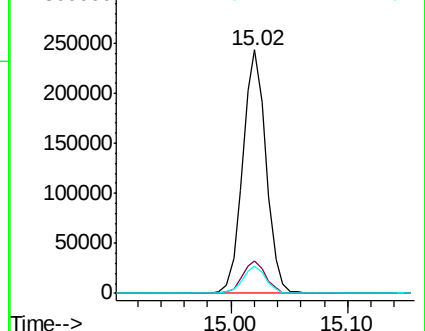
129 11.2 8.4 12.6



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: 11.559 ug/L

RT: 15.20 min Scan# 2222

Delta R.T. -0.00 min

Lab File: VR026652.D

Acq: 10 Oct 2019 16:13

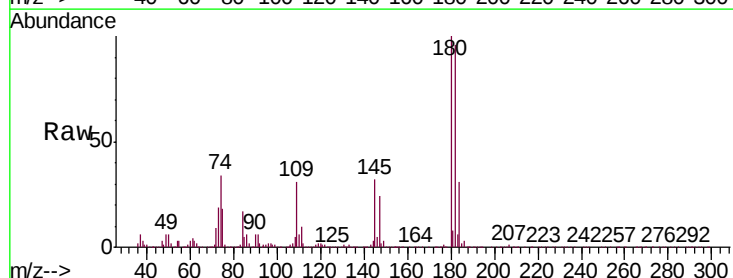
Tgt Ion:180 Resp: 215627

Ion Ratio Lower Upper

180 100

182 94.5 75.2 112.8

145 34.6 27.1 40.7



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

