

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101019\
 Data File : VR026657.D
 Acq On : 10 Oct 2019 18:56
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VICV66

Quant Time: Oct 11 06:59:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101019WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 11 06:45:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.48	114	244625	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.30	117	198954	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.24	152	103649	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.20	65	71057	5.10	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.00%
7) Chloroethane-d5	2.64	69	57232	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.20%
11) 1,1-Dichloroethene-d2	3.65	63	174803	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.60%
20) 2-Butanone-d5	6.62	46	96806	51.46	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.92%
24) Chloroform-d	7.23	84	226088	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.40%
26) 1,2-Dichloroethane-d4	7.91	65	78050	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
32) Benzene-d6	7.88	84	462146	5.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.80%
36) 1,2-Dichloropropane-d6	8.92	67	110662	5.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.40%
41) Toluene-d8	9.98	98	391912	5.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.00%
43) trans-1,3-Dichloropropene-	10.25	79	28318	4.99	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.80%
46) 2-Hexanone-d5	10.60	63	78557	55.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.46%
57) 1,1,2,2-Tetrachloroethane-	12.38	84	54774	5.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.20%
64) 1,2-Dichlorobenzene-d4	13.53	152	97457	4.98	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.86	85	202409	5.088 ug/L	98
3) Chloromethane	2.07	50	93939	4.686 ug/L	89
5) Vinyl chloride	2.20	62	88917	4.648 ug/L	94
6) Bromomethane	2.54	94	61277	4.766 ug/L	96
8) Chloroethane	2.67	64	51930	4.687 ug/L	96
9) Trichlorofluoromethane	2.99	101	185182	5.013 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	75180	4.873 ug/L	99
12) 1,1-Dichloroethene	3.67	96	70918	4.863 ug/L	88
13) Acetone	3.73	43	68161	48.193 ug/L	98
14) Carbon disulfide	3.97	76	470347	4.747 ug/L	95
15) Methyl Acetate	4.22	43	28330	4.787 ug/L	99
16) Methylene chloride	4.42	84	136211	4.403 ug/L	96
17) Methyl tert-butyl Ether	4.93	73	137242	5.276 ug/L #	91
18) trans-1,2-Dichloroethene	4.90	96	143380	5.033 ug/L	90
19) 1,1-Dichloroethane	5.72	63	243920	5.018 ug/L	98
21) 2-Butanone	6.72	43	122335	54.431 ug/L	96
22) cis-1,2-Dichloroethene	6.70	96	135828	5.265 ug/L #	100

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

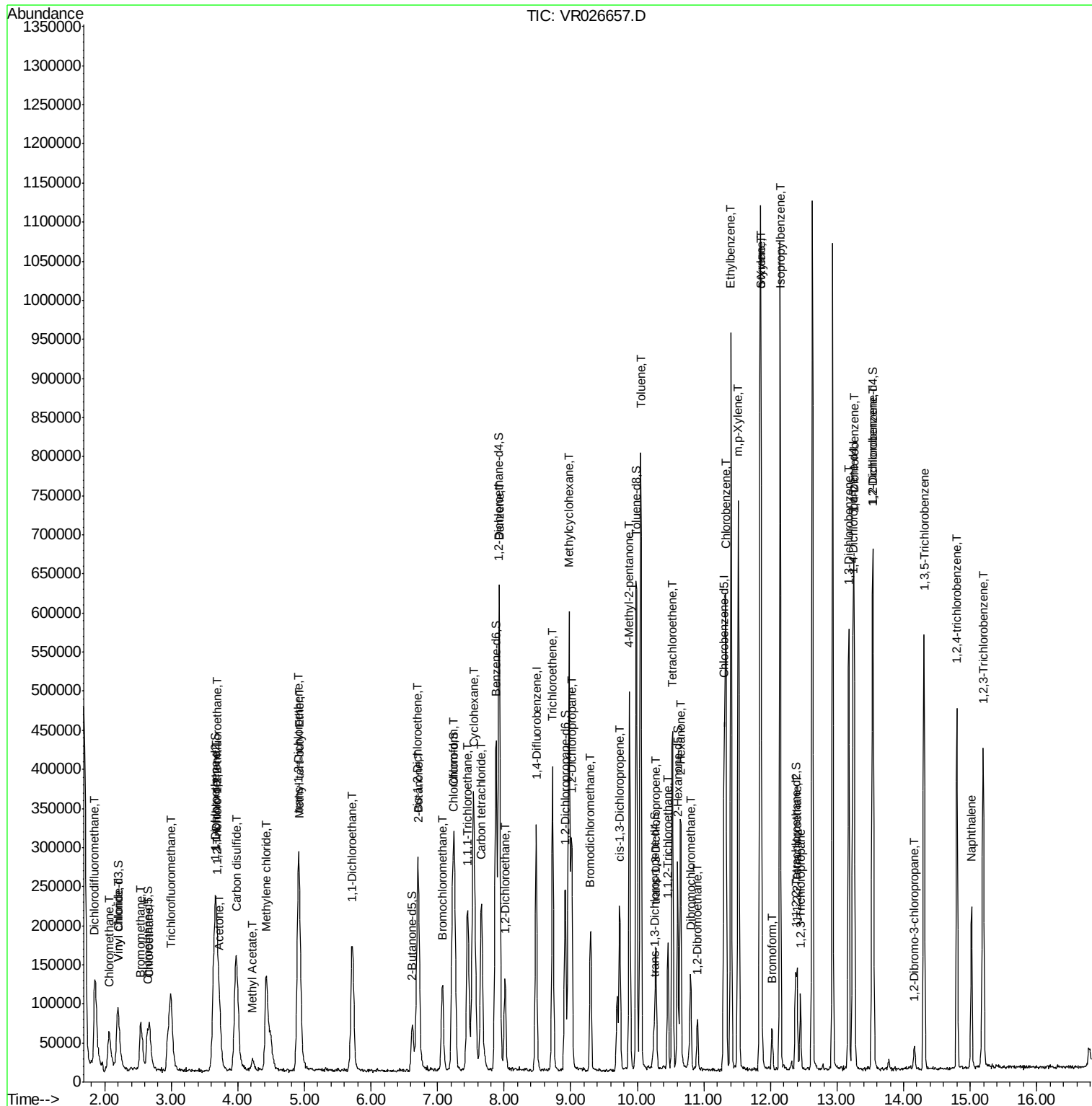
23) Bromochloromethane	7.07	128	39122	5.105	ug/L	97
25) Chloroform	7.25	83	238481	4.895	ug/L	96
27) 1,2-Dichloroethane	8.01	62	96472	5.187	ug/L #	89
29) 1,1,1-Trichloroethane	7.45	97	190790	5.264	ug/L	96
30) Cyclohexane	7.54	56	235749	5.911	ug/L	97
31) Carbon tetrachloride	7.65	117	174140	5.155	ug/L	99
33) Benzene	7.93	78	563196	5.501	ug/L	100
34) Trichloroethene	8.73	95	137850	5.077	ug/L	97
35) Methylcyclohexane	8.97	83	240353	5.977	ug/L	99
37) 1,2-Dichloropropane	9.02	63	108771	5.375	ug/L	99
38) Bromodichloromethane	9.30	83	117116	5.053	ug/L	94
39) cis-1,3-Dichloropropene	9.73	75	115129	5.163	ug/L	99
40) 4-Methyl-2-pentanone	9.88	43	279014	58.930	ug/L	98
42) Toluene	10.05	91	543274	5.982	ug/L	99
44) trans-1,3-Dichloropropene	10.28	75	74392	5.040	ug/L	97
45) 1,1,2-Trichloroethane	10.46	97	46920	4.831	ug/L	96
47) Tetrachloroethene	10.53	164	90189	5.329	ug/L	97
48) 2-Hexanone	10.65	43	176040	55.597	ug/L	100
49) Dibromochloromethane	10.80	129	52644	5.114	ug/L	95
50) 1,2-Dibromoethane	10.90	107	41178	5.111	ug/L	91
51) Chlorobenzene	11.33	112	276328	5.076	ug/L	98
52) Ethylbenzene	11.41	91	577898	5.752	ug/L	97
53) m,p-Xylene	11.52	106	211179	5.655	ug/L	97
54) o-Xylene	11.84	106	204626	5.991	ug/L	95
55) Styrene	11.86	104	296946	6.024	ug/L	96
56) Isopropylbenzene	12.14	105	594275	5.925	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.40	83	52785	5.104	ug/L #	93
59) 1,2,3-Trichloropropane	12.45	75	37991	5.088	ug/L	97
61) Bromoform	12.02	173	21413	4.803	ug/L #	95
62) 1,3-Dichlorobenzene	13.18	146	198895	5.014	ug/L	94
63) 1,4-Dichlorobenzene	13.26	146	194635	4.848	ug/L	96
65) 1,2-Dichlorobenzene	13.55	146	172694	5.147	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.16	75	8964	4.619	ug/L #	75
67) 1,3,5-Trichlorobenzene	14.31	180	149056	4.899	ug/L	96
68) 1,2,4-trichlorobenzene	14.80	180	114134	5.012	ug/L	99
69) Naphthalene	15.02	128	140551	5.440	ug/L	98
70) 1,2,3-Trichlorobenzene	15.20	180	108904	5.246	ug/L	98

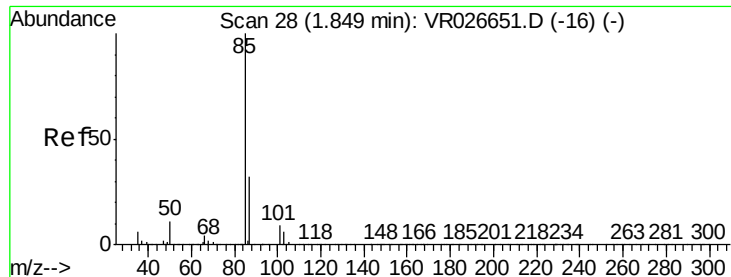
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.088 ug/L

RT: 1.86 min Scan# 29

Delta R.T. 0.01 min

Lab File: VR026657.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA_R

ClientSampleId :

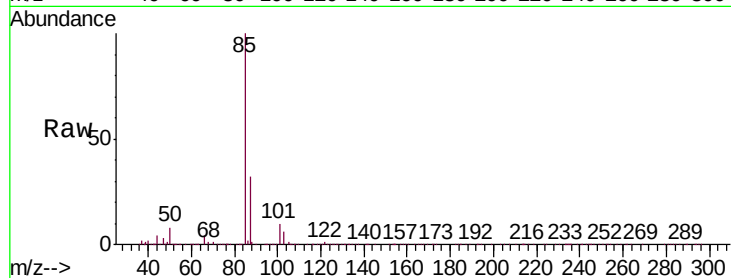
VICV66

Tgt Ion: 85 Resp: 202409

Ion Ratio Lower Upper

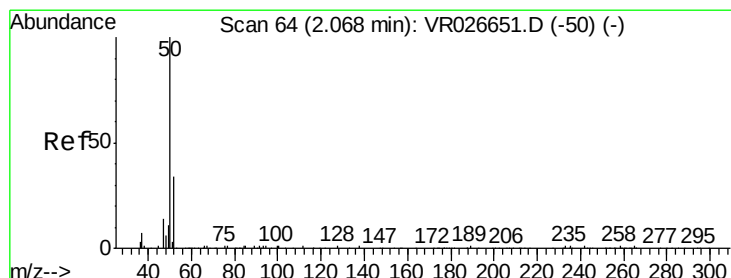
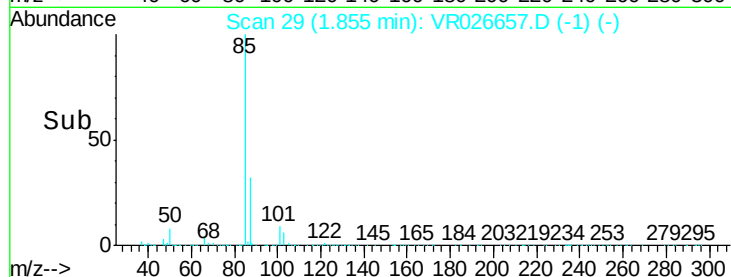
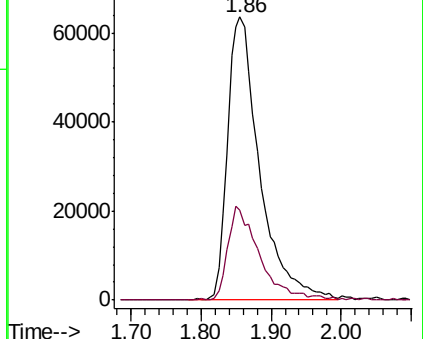
85 100

87 32.9 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 4.686 ug/L

RT: 2.07 min Scan# 64

Delta R.T. 0.00 min

Lab File: VR026657.D

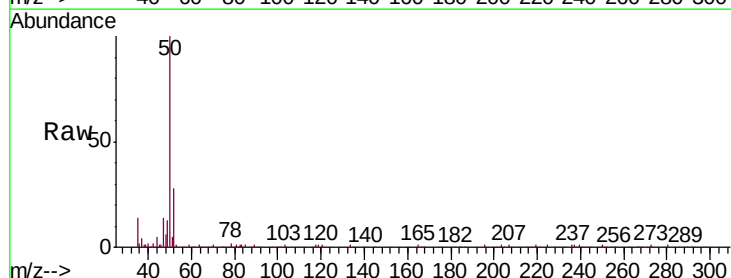
Acq: 10 Oct 2019 18:56

Tgt Ion: 50 Resp: 93939

Ion Ratio Lower Upper

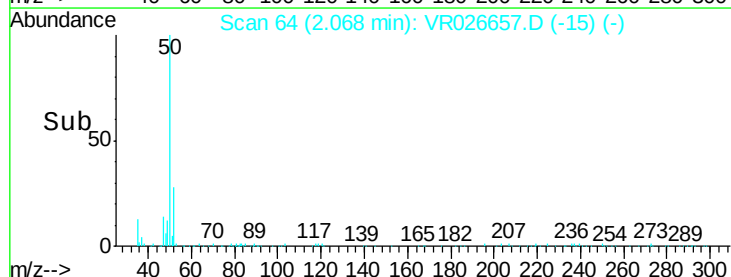
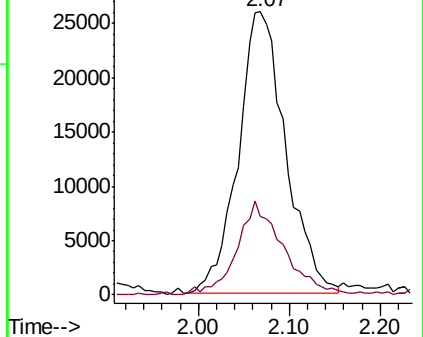
50 100

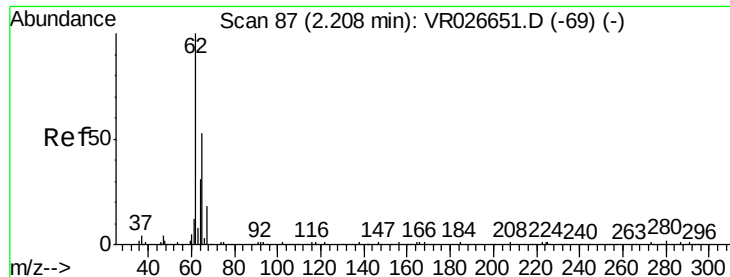
52 28.0 24.1 44.7



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 4.648 ug/L

RT: 2.20 min Scan# 86

Delta R.T. -0.01 min

Lab File: VR026657.D

Acq: 10 Oct 2019 18:56

Instrument :

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ClientSampleId :

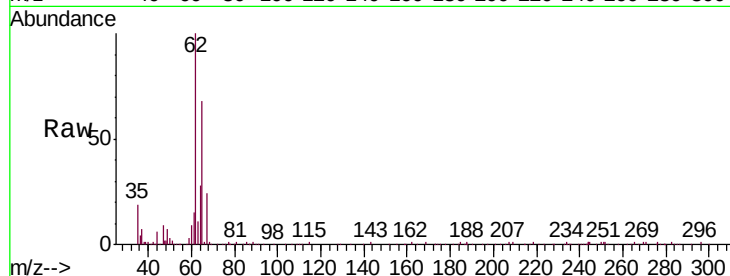
VICV66

Tgt Ion: 62 Resp: 88917

Ion Ratio Lower Upper

62 100

64 27.7 21.5 39.9



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0

2.20

25000

20000

15000

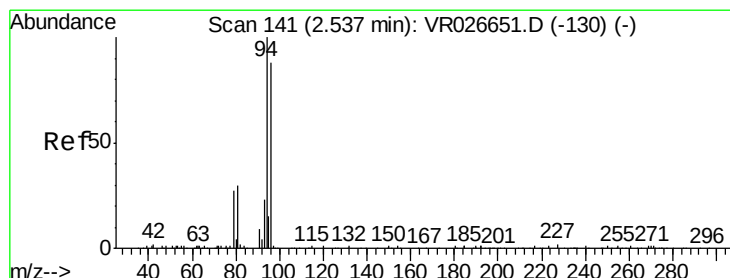
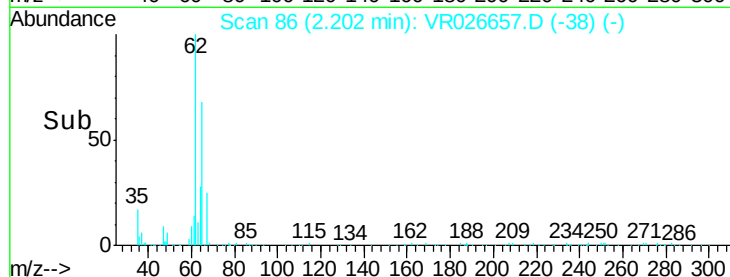
10000

5000

0

Time-->

2.10 2.20 2.30



#6

Bromomethane

Concen: 4.766 ug/L

RT: 2.54 min Scan# 142

Delta R.T. 0.01 min

Lab File: VR026657.D

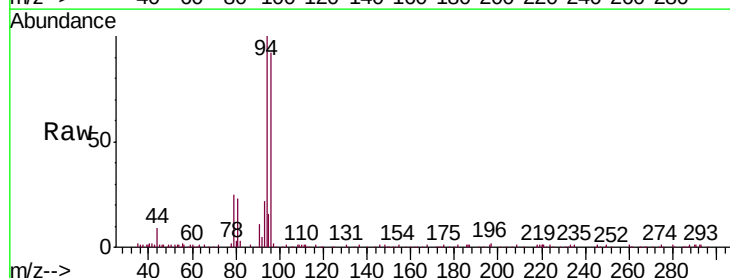
Acq: 10 Oct 2019 18:56

Tgt Ion: 94 Resp: 61277

Ion Ratio Lower Upper

94 100

96 91.9 61.8 114.8



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0

2.54

20000

15000

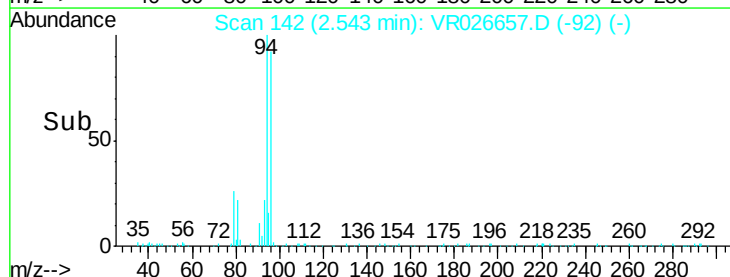
10000

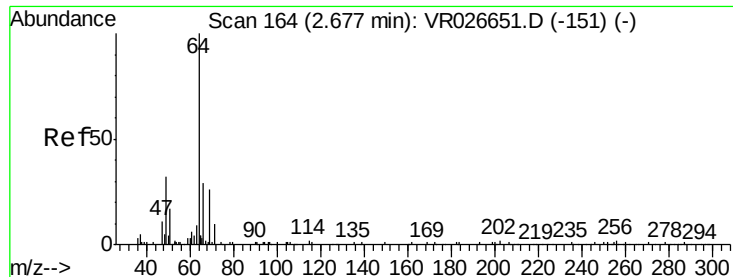
5000

0

Time-->

2.40 2.50 2.60 2.70

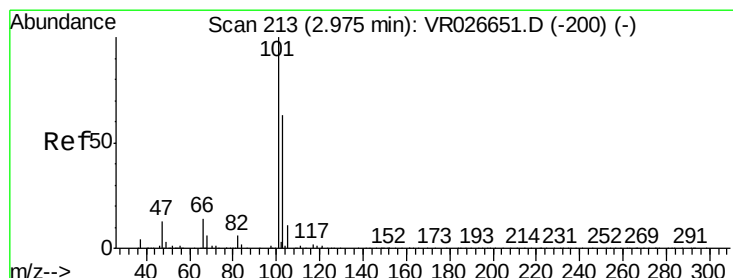
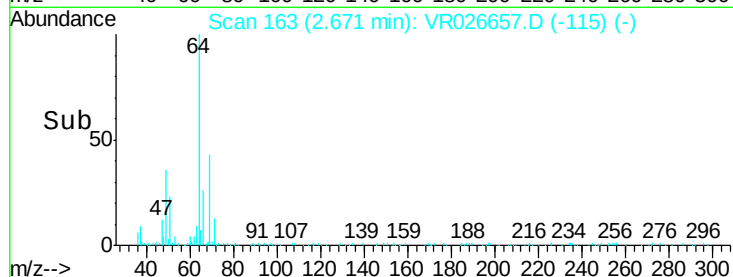
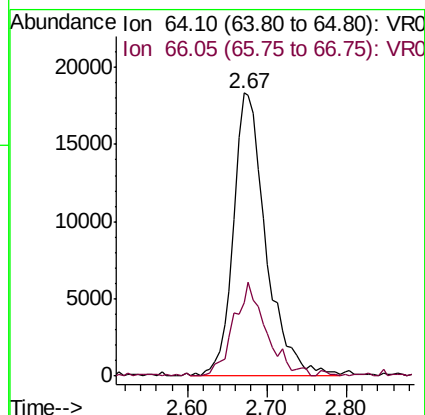
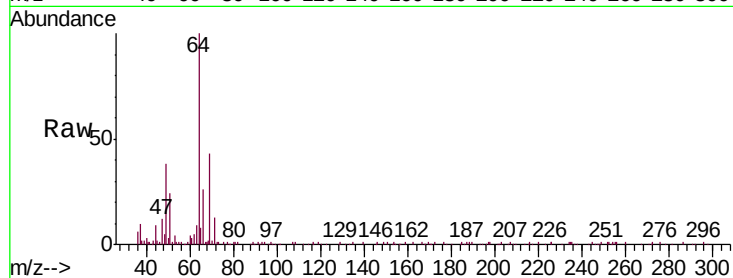




#8
Chloroethane
Concen: 4.687 ug/L
RT: 2.67 min Scan# 163
Delta R.T. -0.01 min
Lab File: VR026657.D
Acq: 10 Oct 2019 18:56

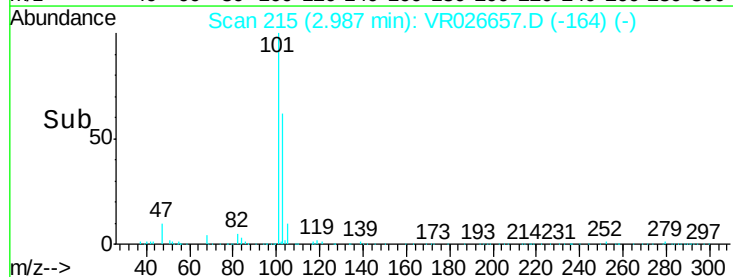
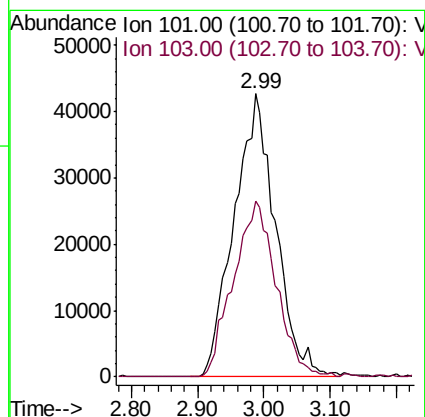
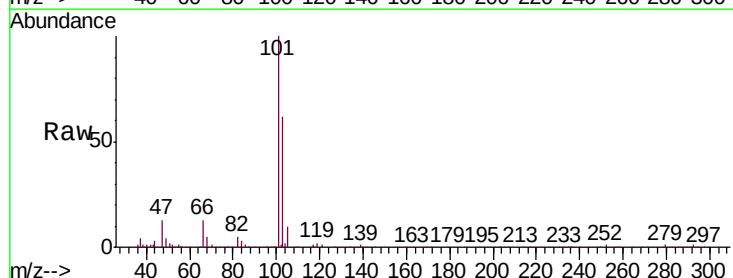
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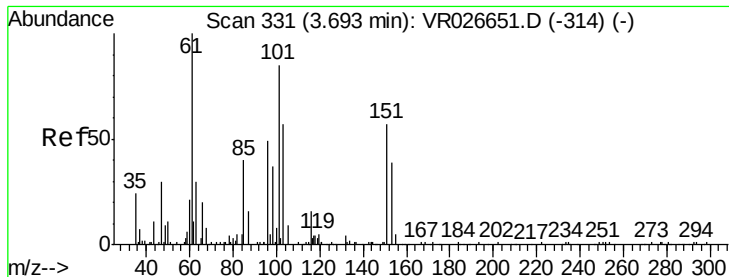
Tgt Ion: 64 Resp: 51930
Ion Ratio Lower Upper
64 100
66 26.1 19.7 36.5



#9
Trichlorofluoromethane
Concen: 5.013 ug/L
RT: 2.99 min Scan# 215
Delta R.T. 0.01 min
Lab File: VR026657.D
Acq: 10 Oct 2019 18:56

Tgt Ion: 101 Resp: 185182
Ion Ratio Lower Upper
101 100
103 64.1 50.9 76.3





#10

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

Concen: 4.873 ug/L

RT: 3.69 min Scan# 331

Delta R.T. 0.00 min

Lab File: VR026657.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA_R

ClientSampled :

VICV66

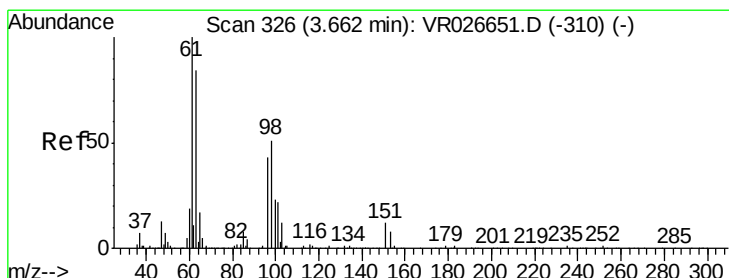
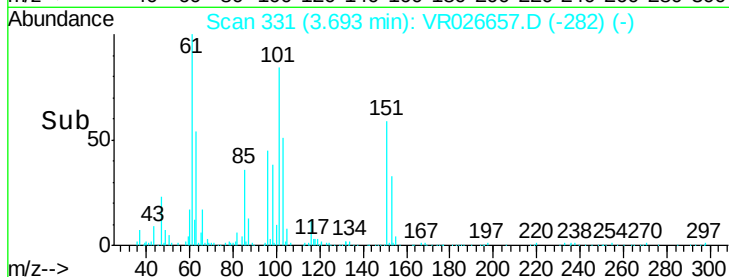
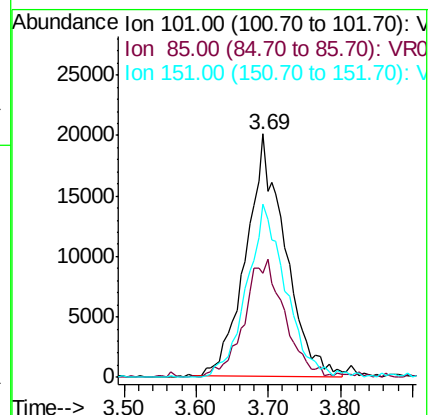
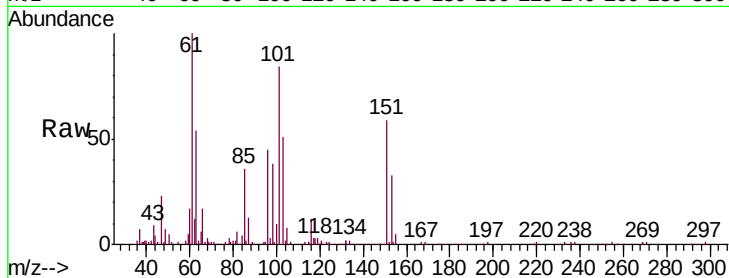
Tgt Ion: 101 Resp: 75180

Ion Ratio Lower Upper

101 100

85 50.4 39.8 59.8

151 70.9 56.5 84.7



#12

1,1-Dichloroethene

Concen: 4.863 ug/L

RT: 3.67 min Scan# 328

Delta R.T. 0.01 min

Lab File: VR026657.D

Acq: 10 Oct 2019 18:56

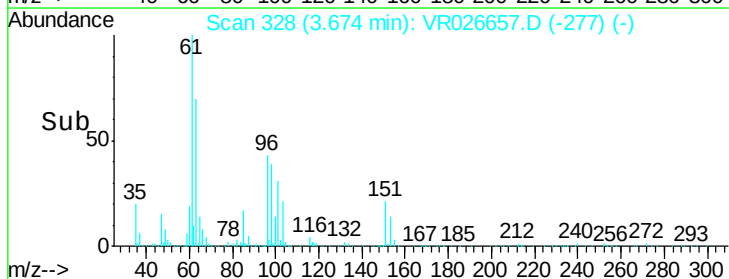
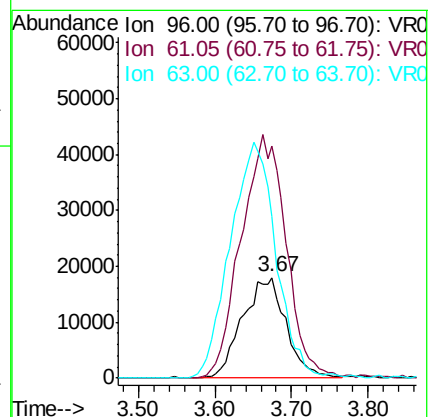
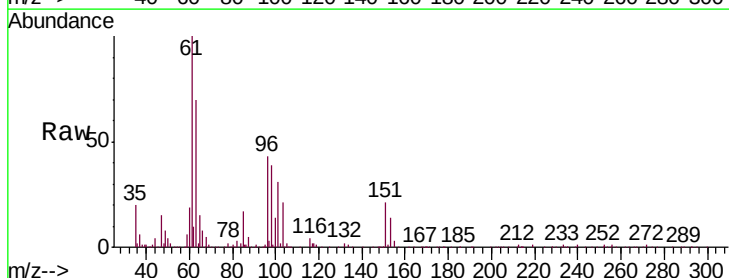
Tgt Ion: 96 Resp: 70918

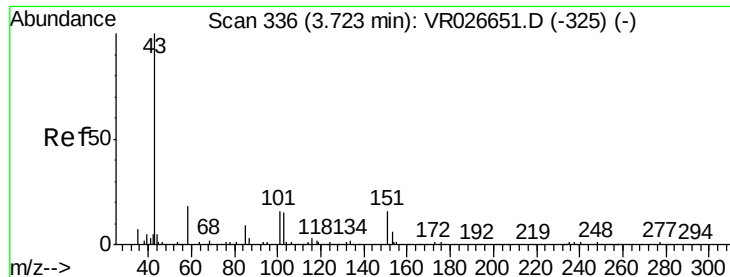
Ion Ratio Lower Upper

96 100

61 231.2 164.2 305.0

63 161.2 137.6 255.6





#13

Acetone

Concen: 48.193 ug/L

RT: 3.73 min Scan# 337

Delta R.T. 0.01 min

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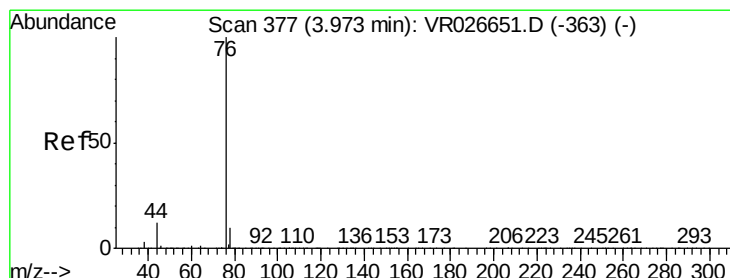
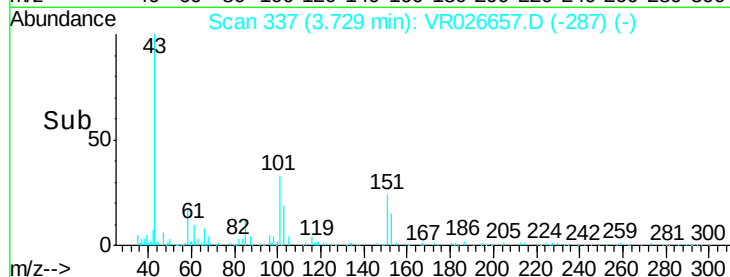
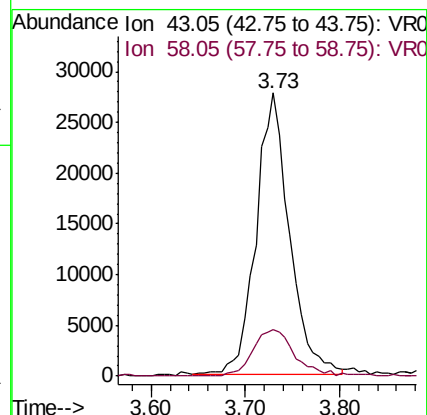
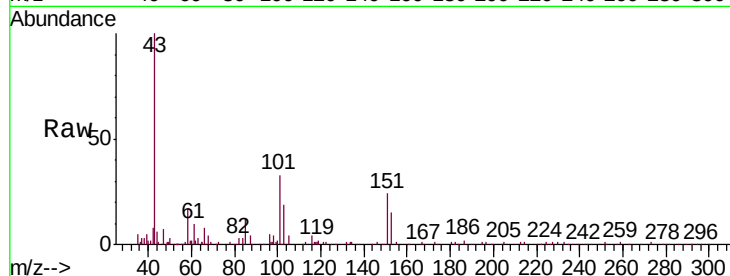
VICV66

Tgt Ion: 43 Resp: 68161

Ion Ratio Lower Upper

43 100

58 20.6 0.0 39.6



#14

Carbon disulfide

Concen: 4.747 ug/L

RT: 3.97 min Scan# 377

Delta R.T. 0.00 min

Lab File: VR026657.D

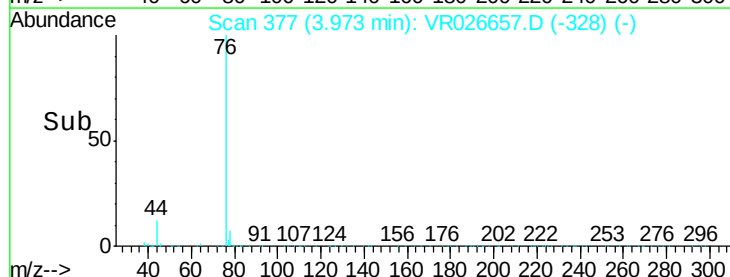
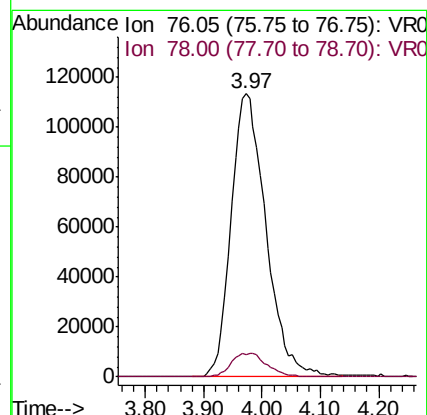
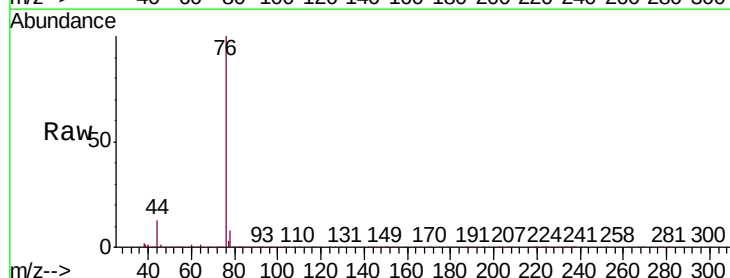
Acq: 10 Oct 2019 18:56

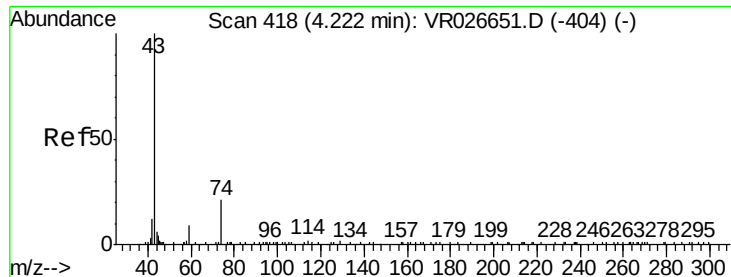
Tgt Ion: 76 Resp: 470347

Ion Ratio Lower Upper

76 100

78 7.8 7.7 11.5

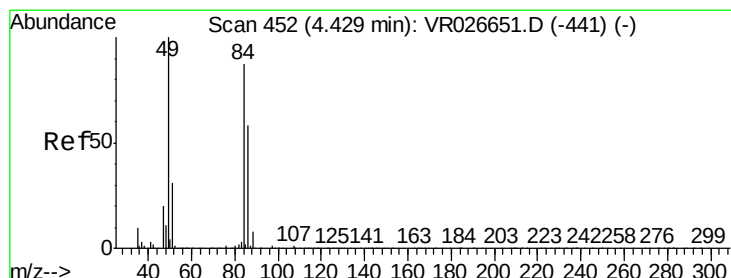
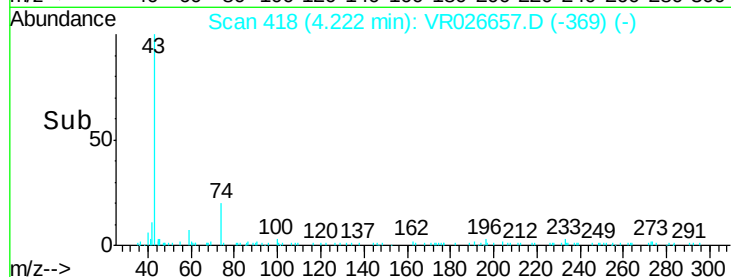
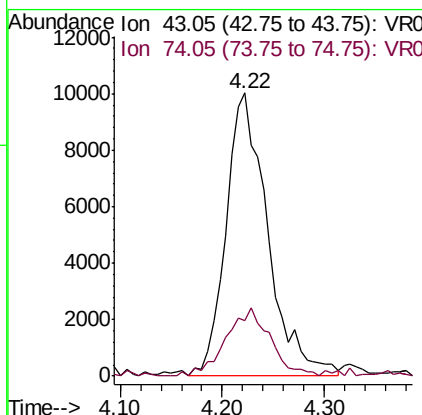
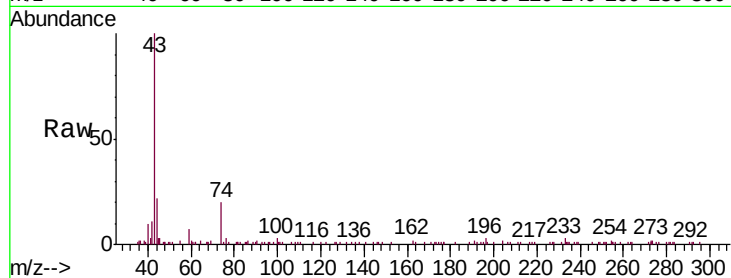




#15
Methyl Acetate
Concen: 4.787 ug/L
RT: 4.22 min Scan# 418
Delta R.T. 0.00 min
Lab File: VR026657.D
Acq: 10 Oct 2019 18:56

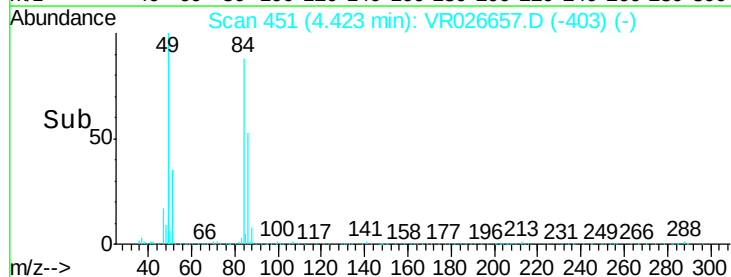
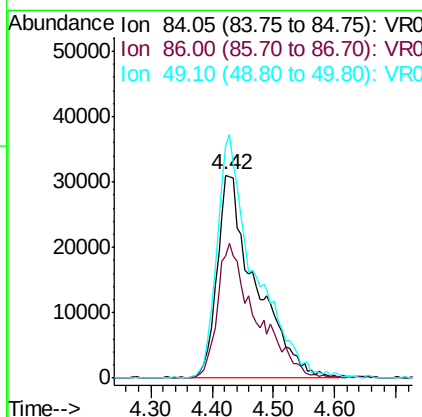
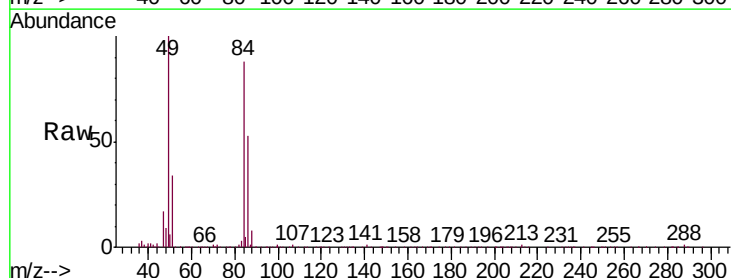
Instrument :
MSVOA_R
ClientSampleId :
VICV66

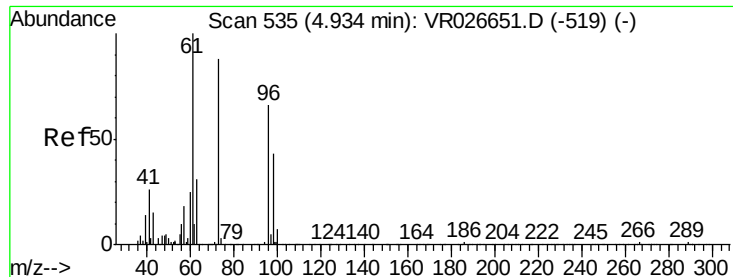
Tgt Ion: 43 Resp: 28330
Ion Ratio Lower Upper
43 100
74 25.5 20.1 30.1



#16
Methylene chloride
Concen: 4.403 ug/L
RT: 4.42 min Scan# 451
Delta R.T. -0.01 min
Lab File: VR026657.D
Acq: 10 Oct 2019 18:56

Tgt Ion: 84 Resp: 136211
Ion Ratio Lower Upper
84 100
86 60.1 46.4 86.2
49 114.1 80.8 150.0





#17

Methyl tert-butyl Ether

Concen: 5.276 ug/L

RT: 4.93 min Scan# 534

Delta R.T. -0.01 min

Lab File: VR026657.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA_R

ClientSampleId :

VICV66

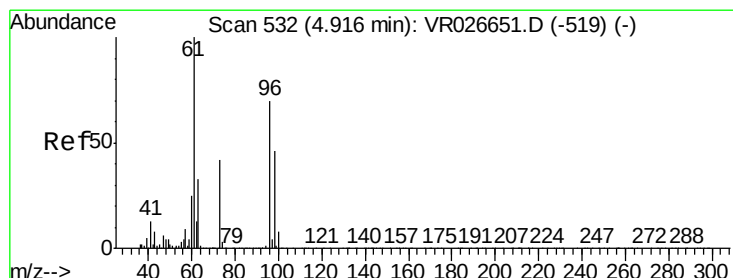
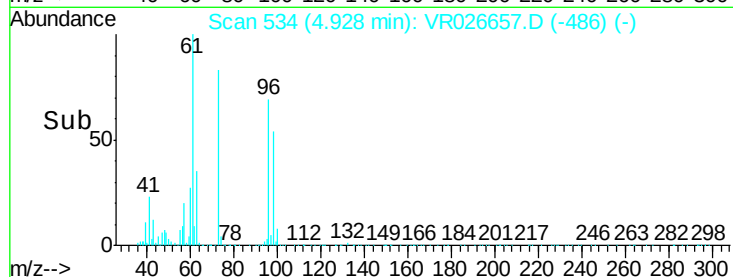
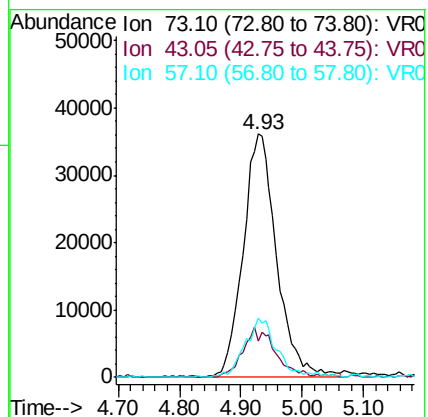
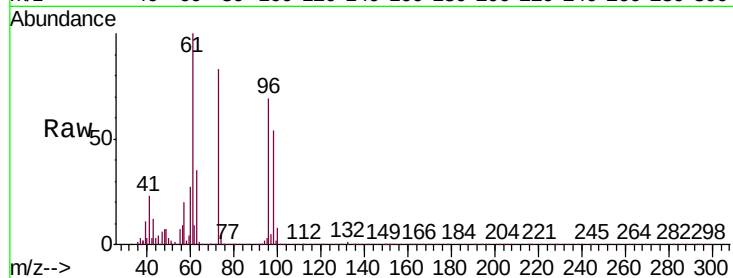
Tgt Ion: 73 Resp: 137242

Ion Ratio Lower Upper

73 100

43 9.5 15.0 22.6#

57 22.9 18.5 27.7



#18

trans-1,2-Dichloroethene

Concen: 5.033 ug/L

RT: 4.90 min Scan# 530

Delta R.T. -0.01 min

Lab File: VR026657.D

Acq: 10 Oct 2019 18:56

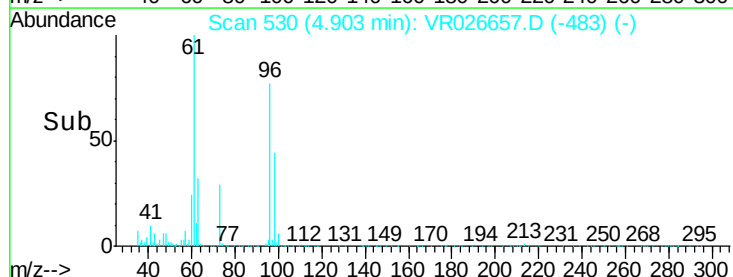
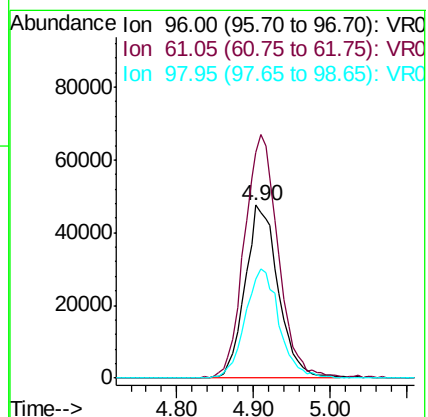
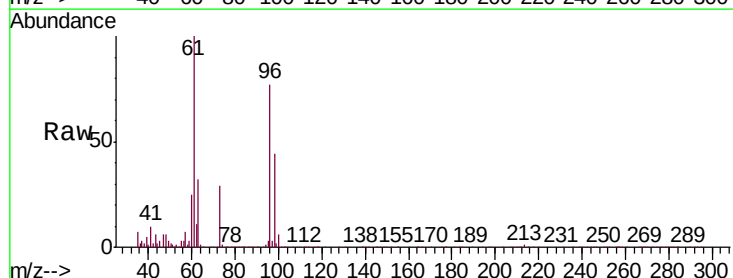
Tgt Ion: 96 Resp: 143380

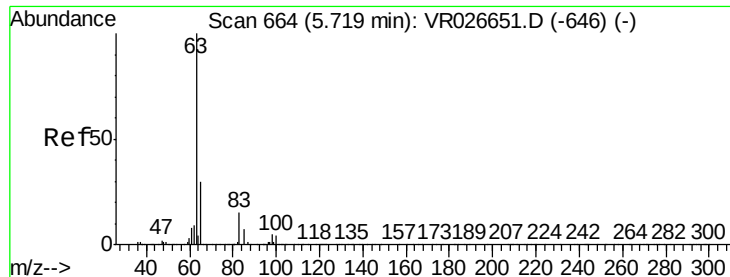
Ion Ratio Lower Upper

96 100

61 130.5 99.8 185.4

98 57.1 45.7 84.9

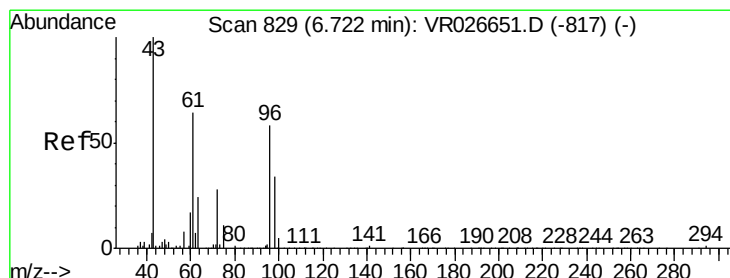
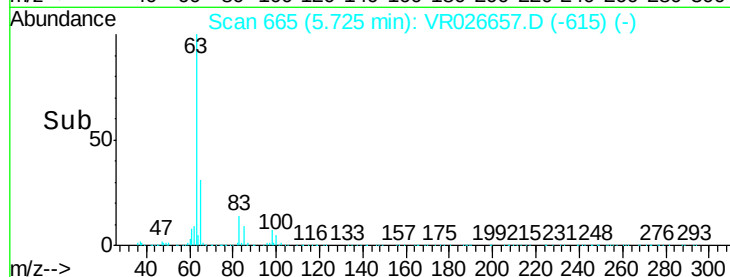
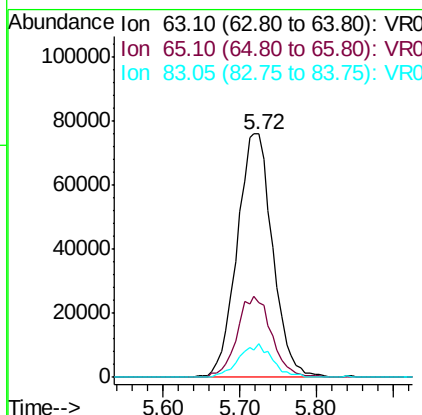
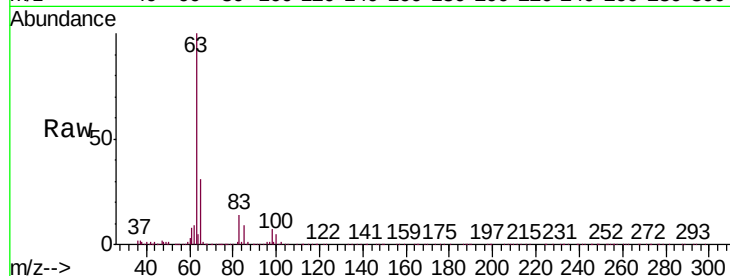




#19
 1,1-Dichloroethane
 Concen: 5.018 ug/L
 RT: 5.72 min Scan# 665
 Delta R.T. 0.01 min
 Lab File: VR026657.D
 Acq: 10 Oct 2019 18:56

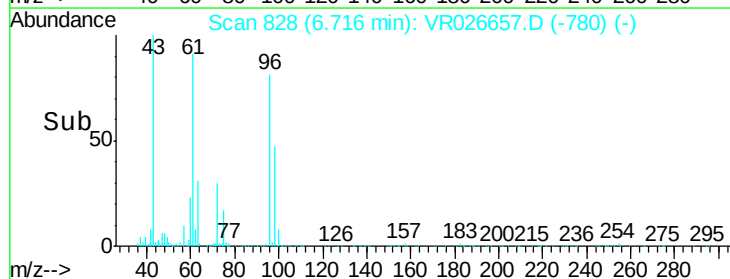
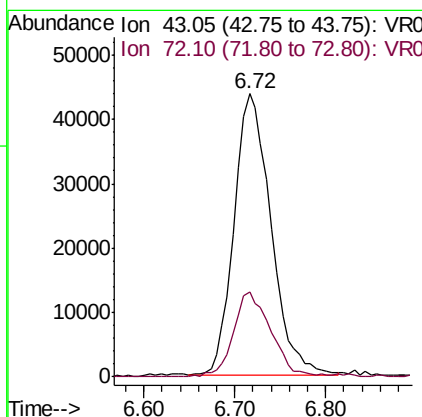
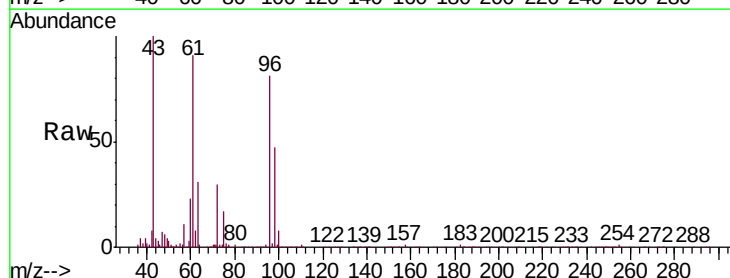
Instrument :
 MSVOA_R
 ClientSampleId :
 VICV66

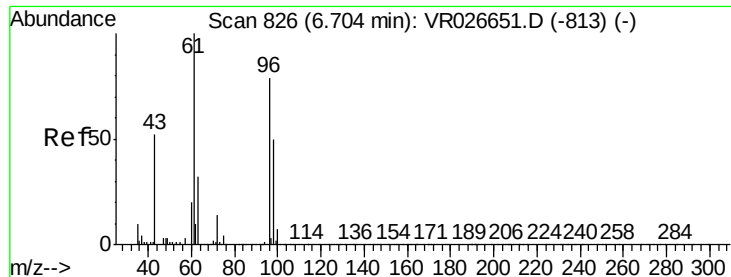
Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.7	21.0	39.0
83	13.6	10.6	19.6



#21
 2-Butanone
 Concen: 54.431 ug/L
 RT: 6.72 min Scan# 828
 Delta R.T. -0.01 min
 Lab File: VR026657.D
 Acq: 10 Oct 2019 18:56

Tgt Ion	Ratio	Lower	Upper
43	100		
72	30.8	14.4	43.2





#22

cis-1,2-Dichloroethene

Concen: 5.265 ug/L

RT: 6.70 min Scan# 825

Delta R.T. -0.01 min

Lab File: VR026657.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA_R

ClientSampleId :

VICV66

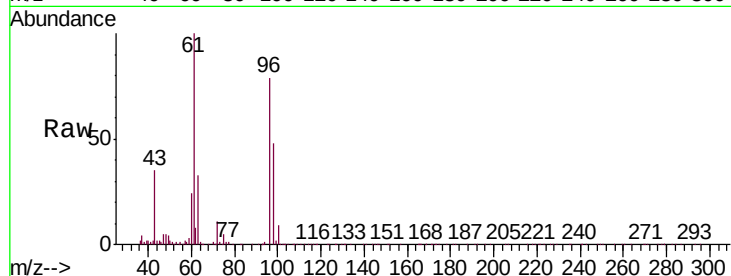
Tgt Ion: 96 Resp: 135828

Ion Ratio Lower Upper

96 100

61 126.3 88.8 164.8

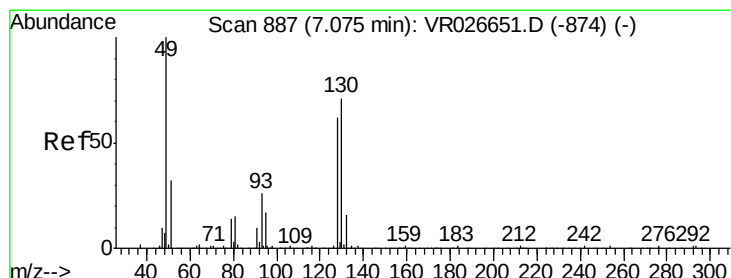
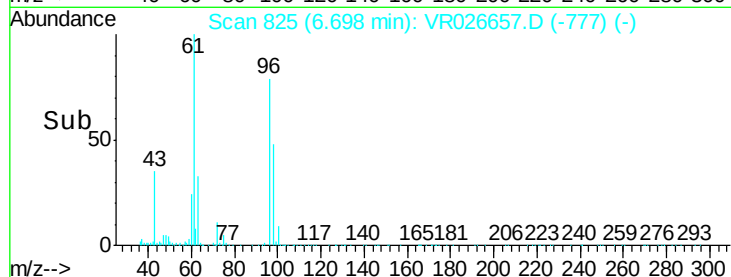
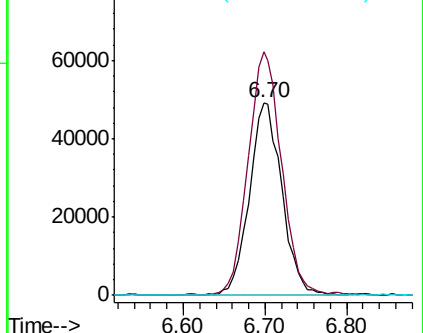
68 0.2 0.0 0.0#



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: 5.105 ug/L

RT: 7.07 min Scan# 886

Delta R.T. -0.01 min

Lab File: VR026657.D

Acq: 10 Oct 2019 18:56

Tgt Ion: 128 Resp: 39122

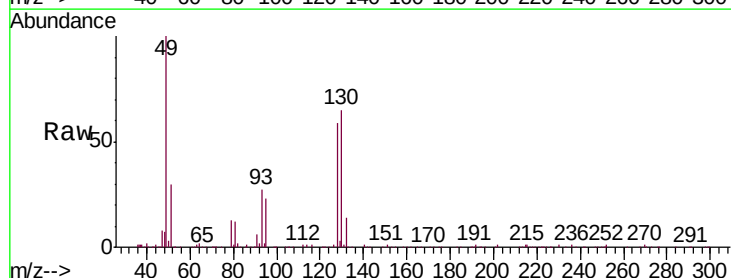
Ion Ratio Lower Upper

128 100

49 170.4 116.1 215.7

130 110.0 80.3 149.1

51 50.8 41.4 62.2

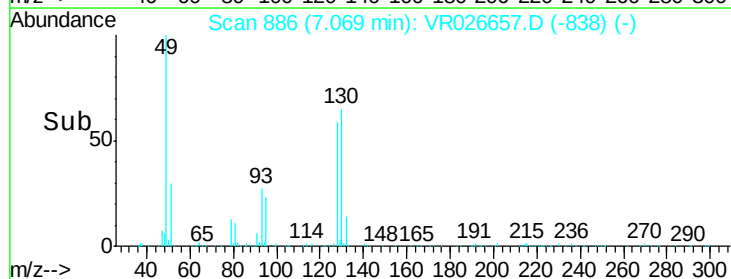
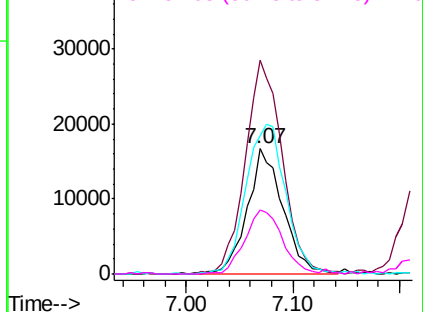


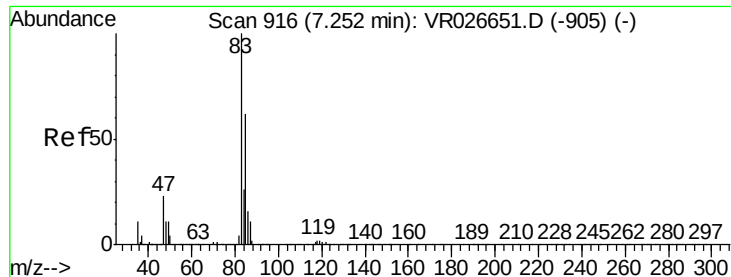
Abundance Ion 127.90 (127.60 to 128.60): V

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: 4.895 ug/L

RT: 7.25 min Scan# 916

Delta R.T. 0.00 min

Lab File: VR026657.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA_R

ClientSampled :

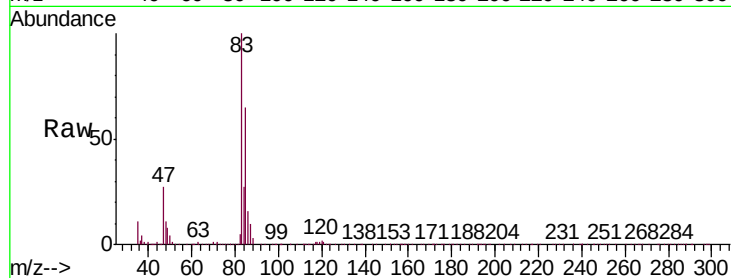
VICV66

Tgt Ion: 83 Resp: 238481

Ion Ratio Lower Upper

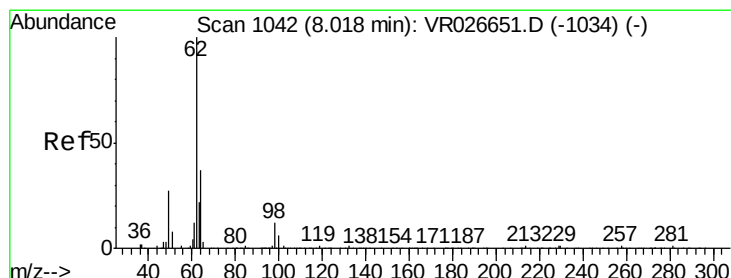
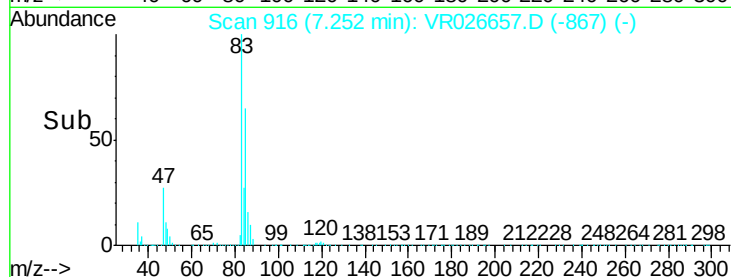
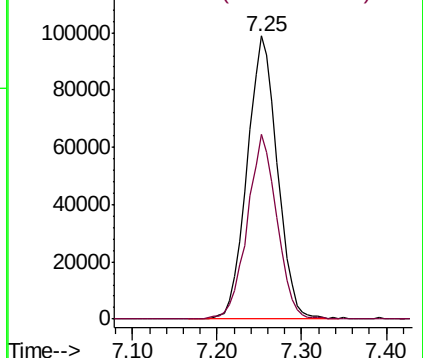
83 100

85 65.2 43.3 80.5



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0



#27

1,2-Dichloroethane

Concen: 5.187 ug/L

RT: 8.01 min Scan# 1041

Delta R.T. -0.01 min

Lab File: VR026657.D

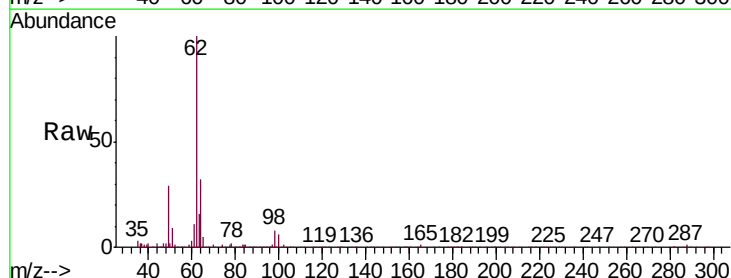
Acq: 10 Oct 2019 18:56

Tgt Ion: 62 Resp: 96472

Ion Ratio Lower Upper

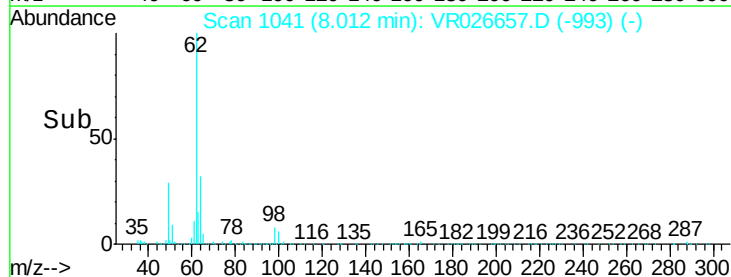
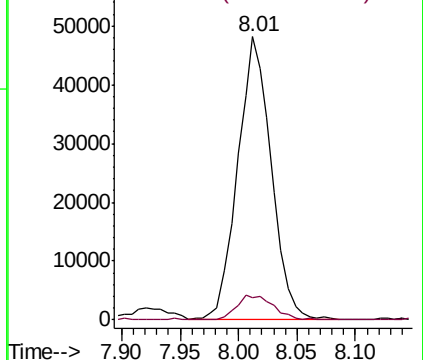
62 100

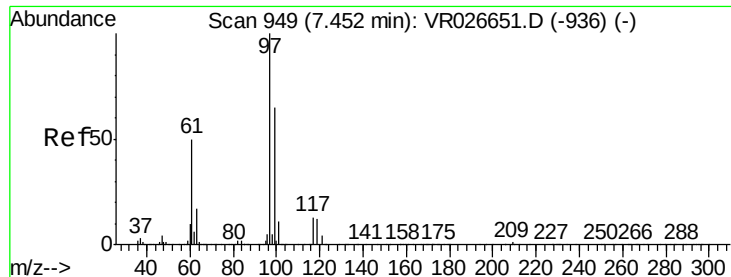
98 7.8 9.6 14.4#



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: 5.264 ug/L

RT: 7.45 min Scan# 949

Delta R.T. 0.00 min

Lab File: VR026657.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA_R

ClientSampleId :

VICV66

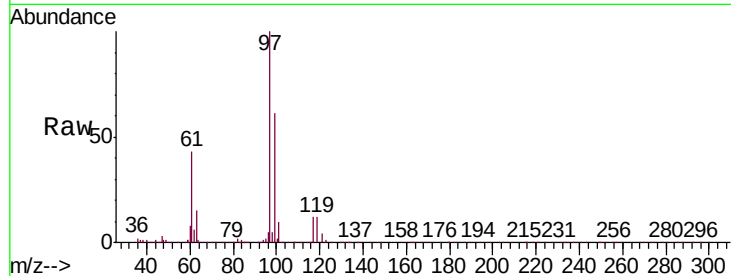
Tgt Ion: 97 Resp: 190790

Ion Ratio Lower Upper

97 100

99 62.5 52.8 79.2

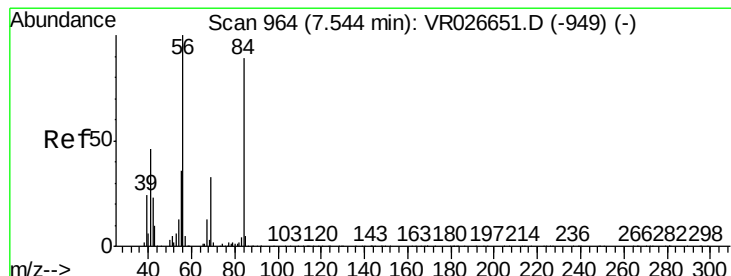
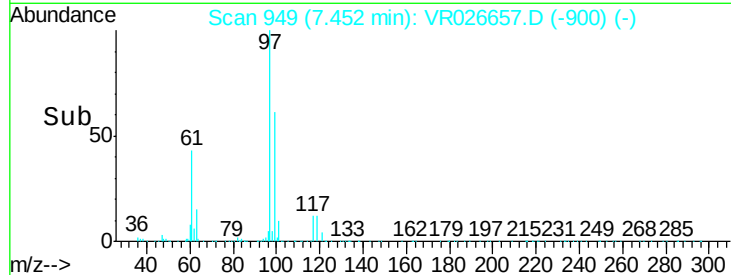
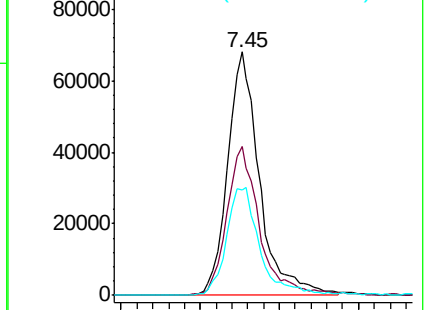
61 46.4 38.8 58.2



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: 5.911 ug/L

RT: 7.54 min Scan# 964

Delta R.T. 0.00 min

Lab File: VR026657.D

Acq: 10 Oct 2019 18:56

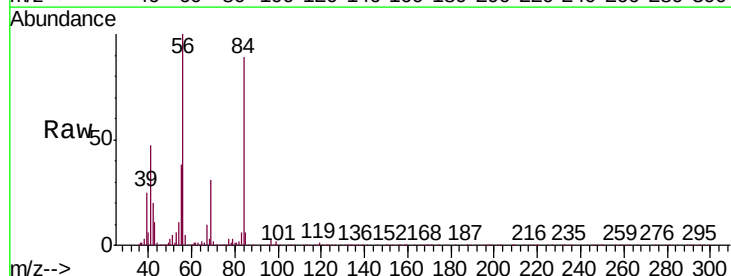
Tgt Ion: 56 Resp: 235749

Ion Ratio Lower Upper

56 100

69 32.8 25.9 38.9

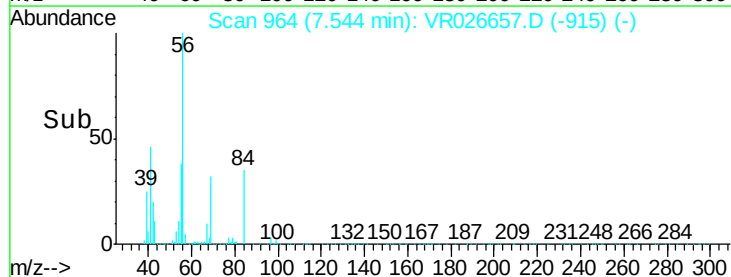
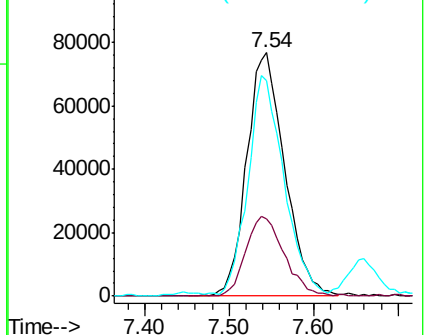
84 86.5 66.2 99.4

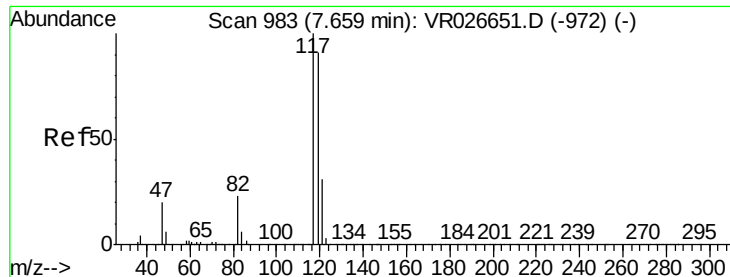


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0

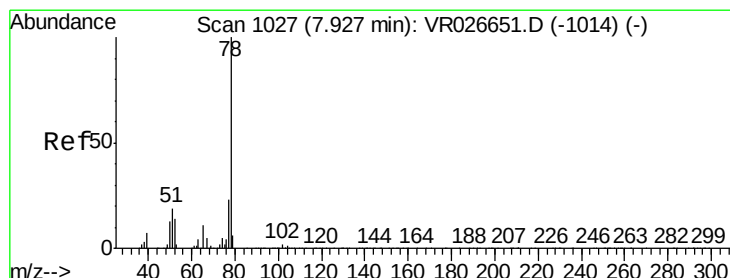
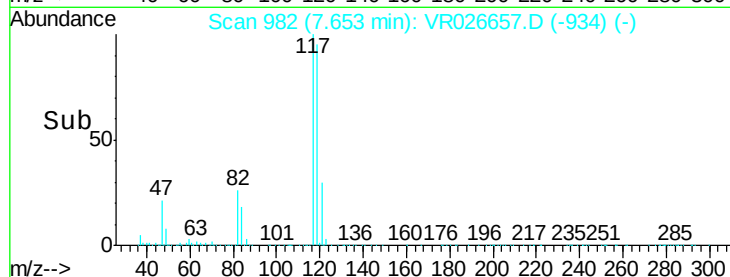
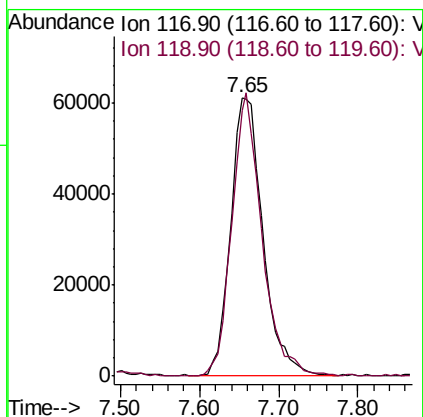
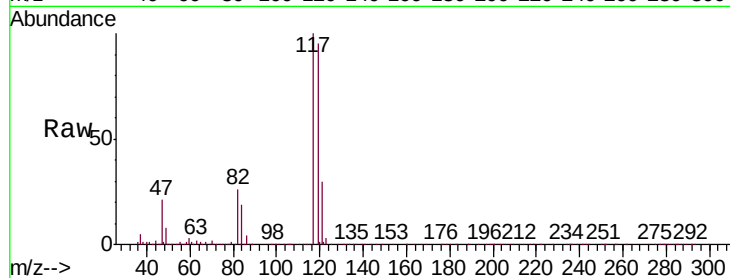




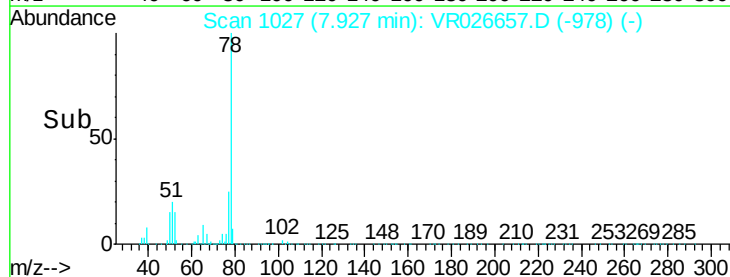
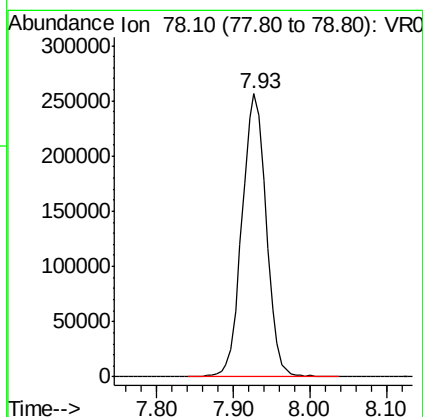
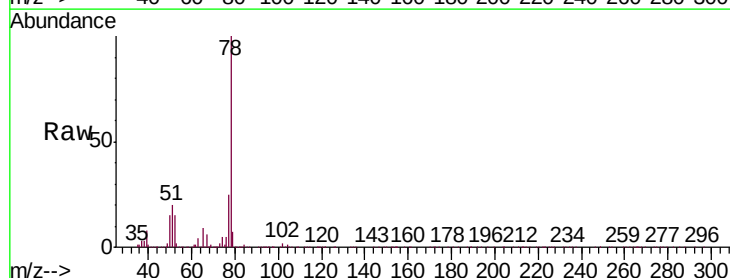
#31
Carbon tetrachloride
Concen: 5.155 ug/L
RT: 7.65 min Scan# 982
Delta R.T. -0.01 min
Lab File: VR026657.D
Acq: 10 Oct 2019 18:56

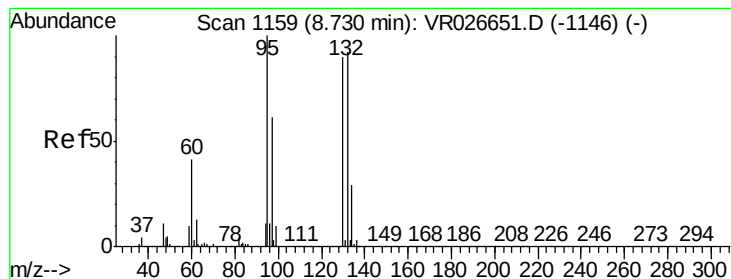
Instrument :
MSVOA_R
ClientSampleId :
VICV66

Tgt Ion:117 Resp: 174140
Ion Ratio Lower Upper
117 100
119 94.8 76.6 114.8



#33
Benzene
Concen: 5.501 ug/L
RT: 7.93 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VR026657.D
Acq: 10 Oct 2019 18:56
Tgt Ion: 78 Resp: 563196





#34

Trichloroethene

Concen: 5.077 ug/L

RT: 8.73 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VR026657.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA_R

ClientSampleId :

VICV66

Tgt Ion: 95 Resp: 137850

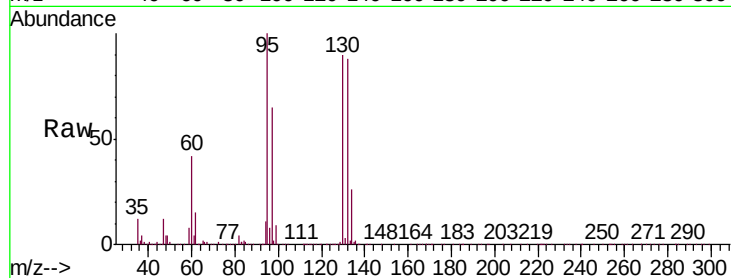
Ion Ratio Lower Upper

95 100

97 65.4 43.0 79.8

132 87.9 64.6 120.0

130 89.9 63.2 117.4

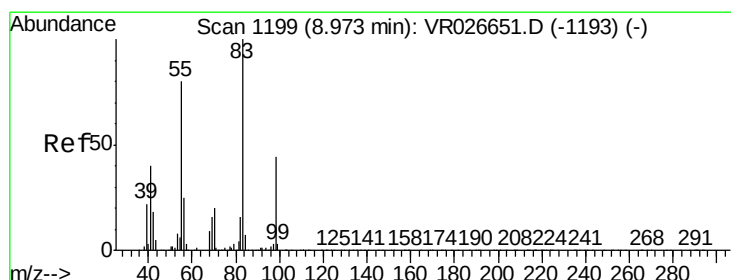
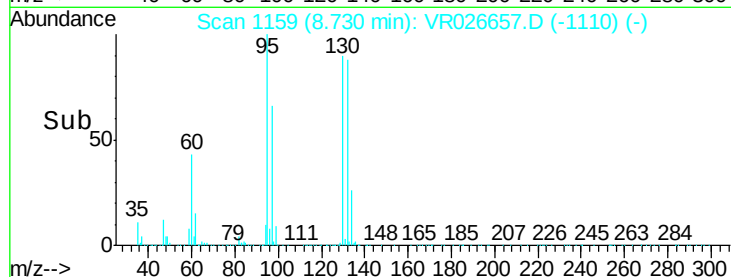
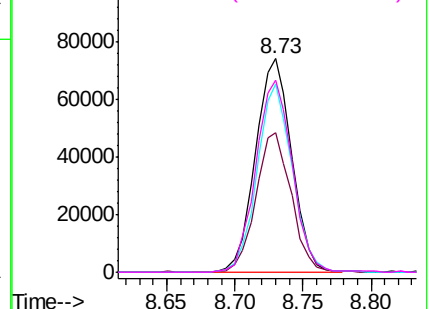


Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.977 ug/L

RT: 8.97 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VR026657.D

Acq: 10 Oct 2019 18:56

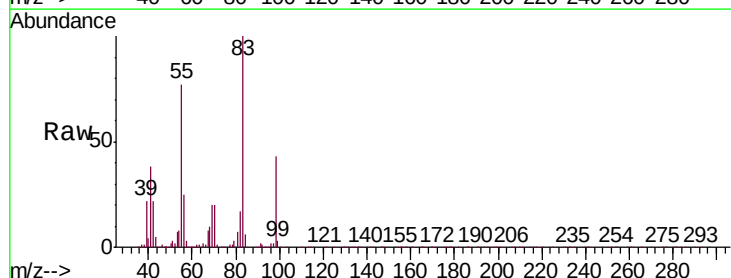
Tgt Ion: 83 Resp: 240353

Ion Ratio Lower Upper

83 100

55 76.9 61.3 91.9

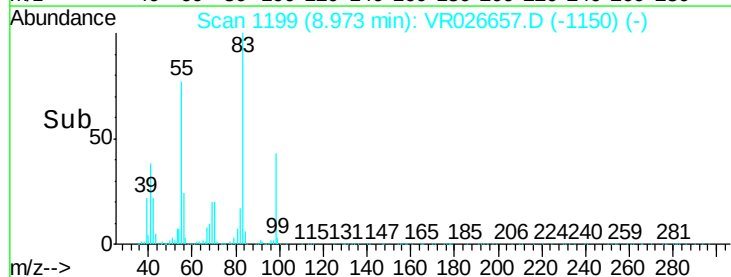
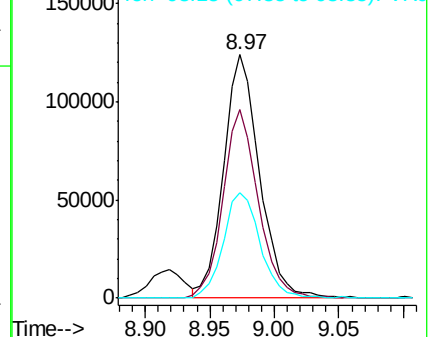
98 45.0 34.3 51.5

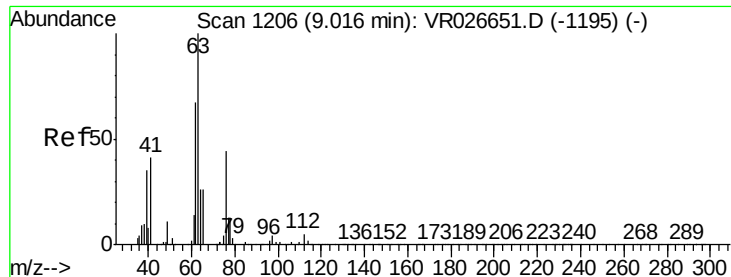


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

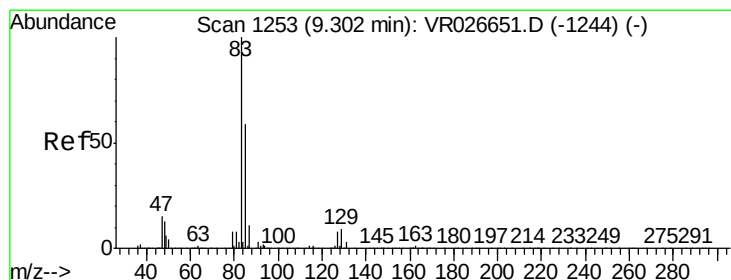
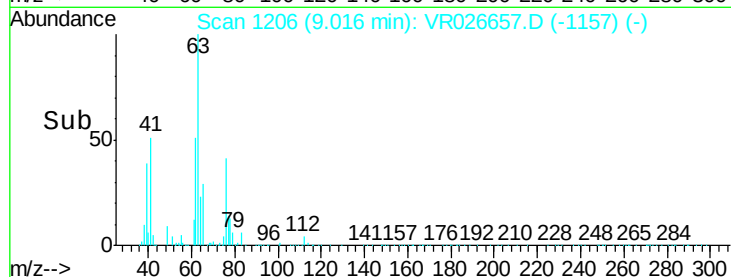
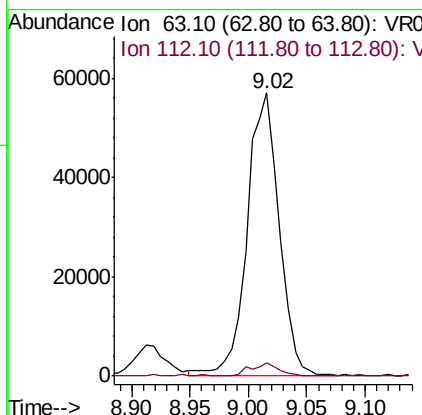
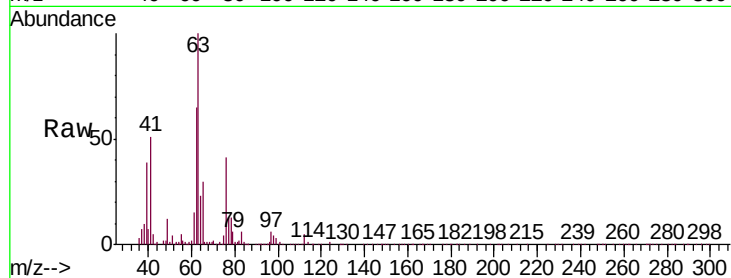




#37
 1,2-Dichloropropane
 Concen: 5.375 ug/L
 RT: 9.02 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: VR026657.D
 Acq: 10 Oct 2019 18:56

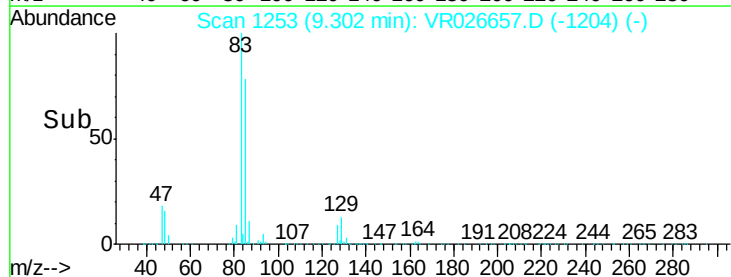
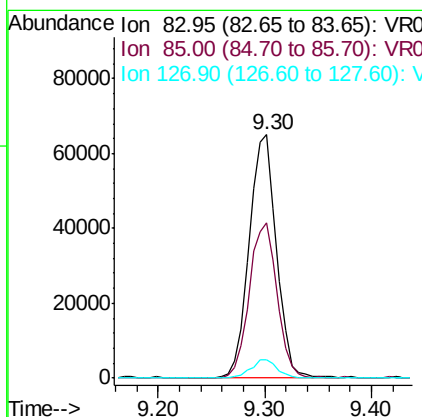
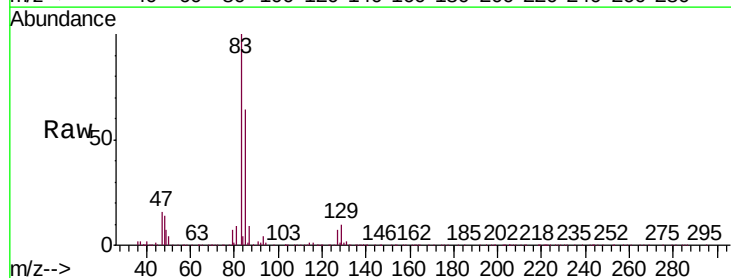
Instrument :
 MSVOA_R
 ClientSampleId :
 VICV66

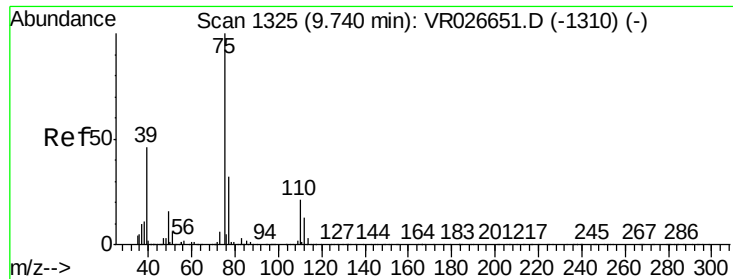
Tgt Ion: 63 Resp: 108771
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.053 ug/L
 RT: 9.30 min Scan# 1253
 Delta R.T. 0.00 min
 Lab File: VR026657.D
 Acq: 10 Oct 2019 18:56

Tgt Ion: 83 Resp: 117116
 Ion Ratio Lower Upper
 83 100
 85 63.6 41.3 76.7
 127 7.5 6.8 10.2

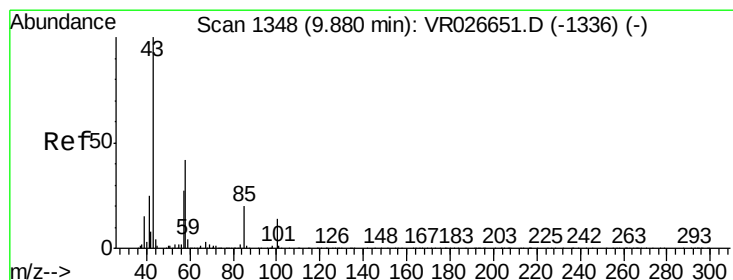
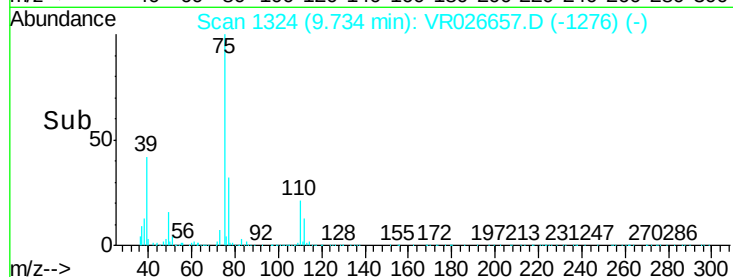
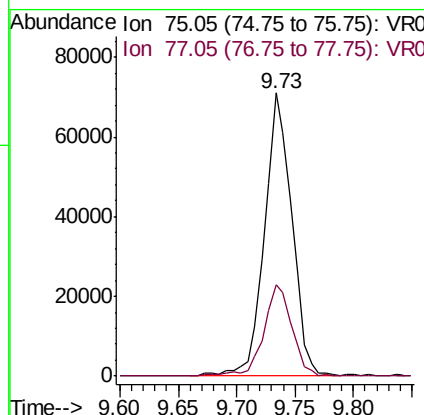
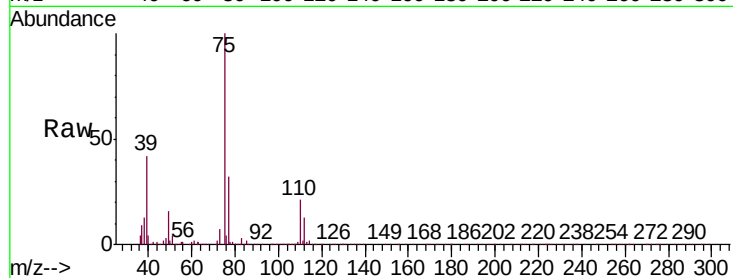




#39
 cis-1,3-Dichloropropene
 Concen: 5.163 ug/L
 RT: 9.73 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VR026657.D
 Acq: 10 Oct 2019 18:56

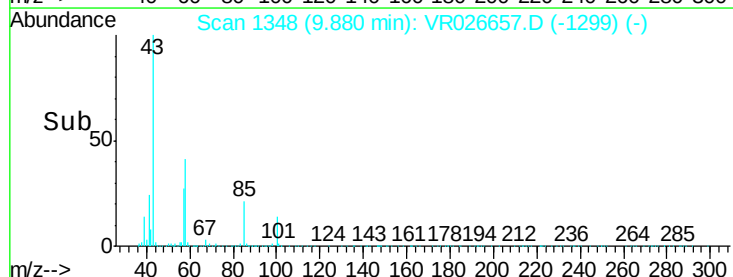
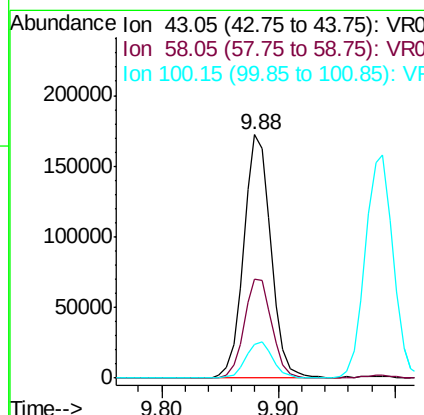
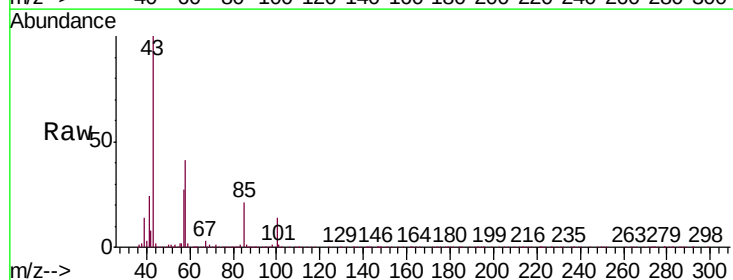
Instrument :
 MSVOA_R
 ClientSampleId :
 VICV66

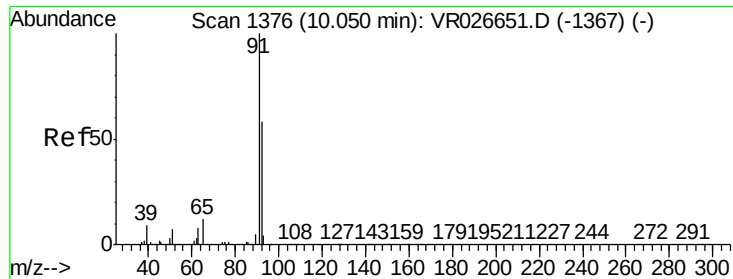
Tgt Ion: 75 Resp: 115129
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 58.930 ug/L
 RT: 9.88 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VR026657.D
 Acq: 10 Oct 2019 18:56

Tgt Ion: 43 Resp: 279014
 Ion Ratio Lower Upper
 43 100
 58 41.7 32.4 48.6
 100 15.0 12.9 19.3





#42

Toluene

Concen: 5.982 ug/L

RT: 10.05 min Scan# 1376

Delta R.T. 0.00 min

Lab File: VR026657.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA_R

ClientSampleId :

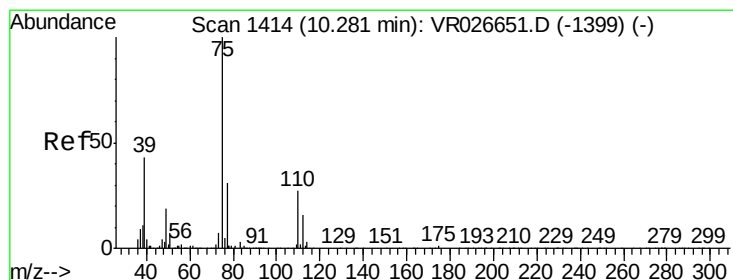
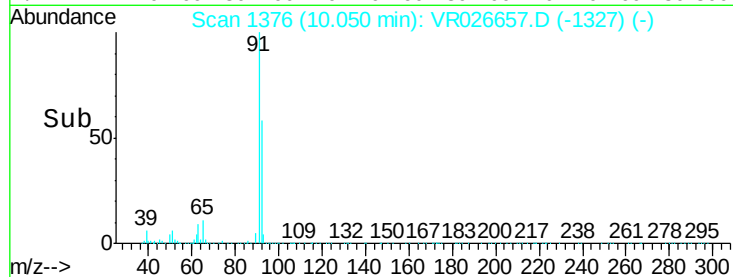
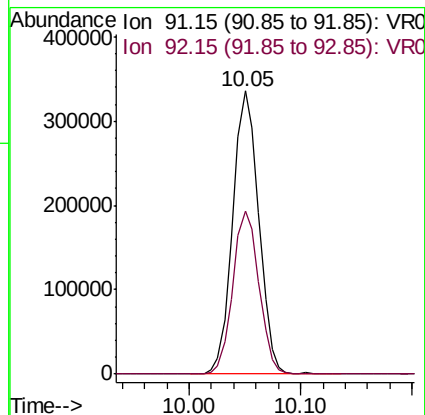
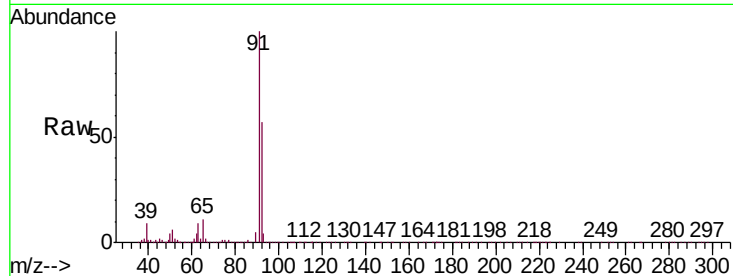
VICV66

Tgt Ion: 91 Resp: 543274

Ion Ratio Lower Upper

91 100

92 57.5 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 5.040 ug/L

RT: 10.28 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VR026657.D

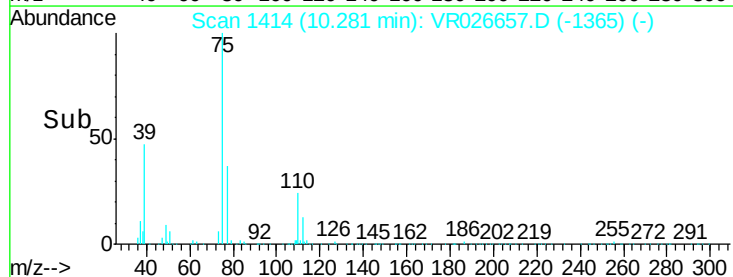
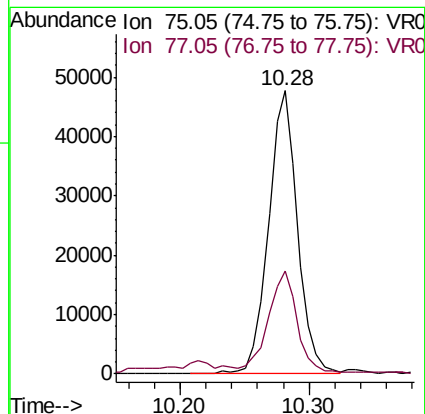
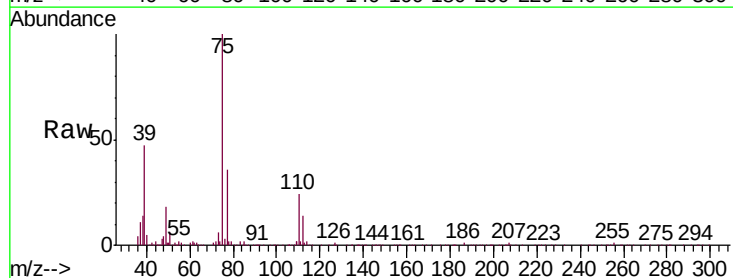
Acq: 10 Oct 2019 18:56

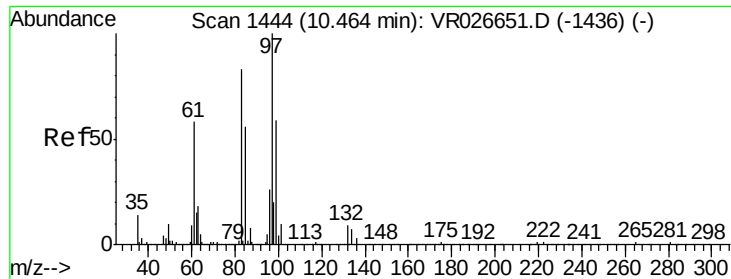
Tgt Ion: 75 Resp: 74392

Ion Ratio Lower Upper

75 100

77 36.3 24.2 45.0

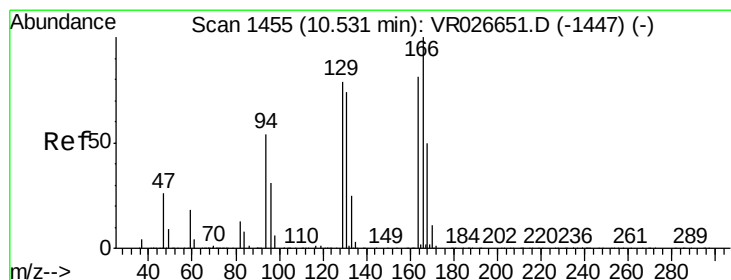
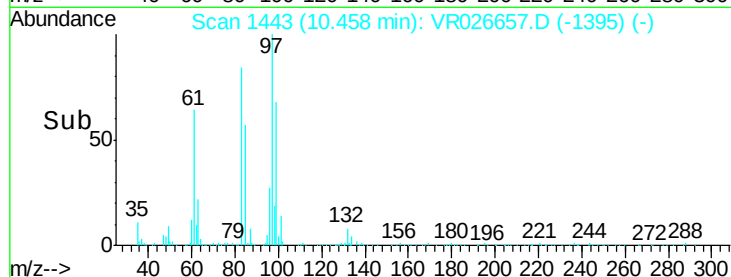
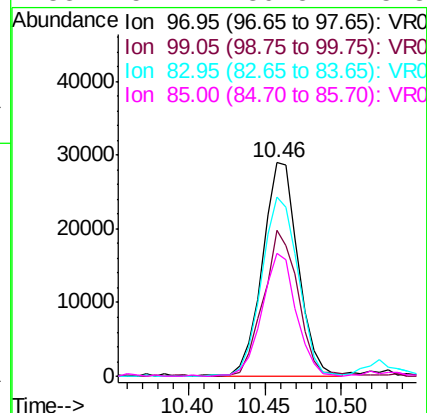
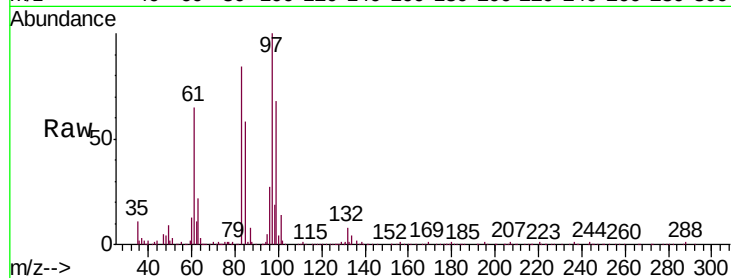




#45
 1,1,2-Trichloroethane
 Concen: 4.831 ug/L
 RT: 10.46 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VR026657.D
 Acq: 10 Oct 2019 18:56

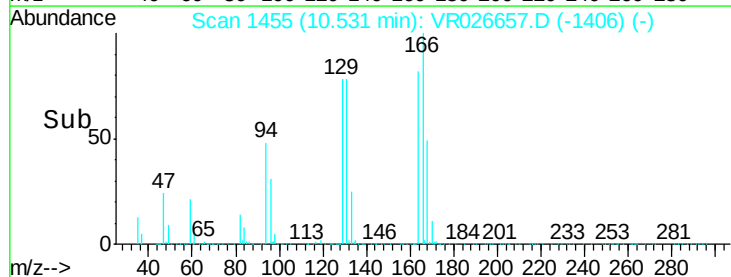
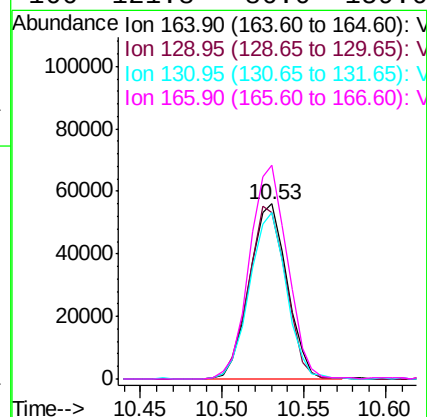
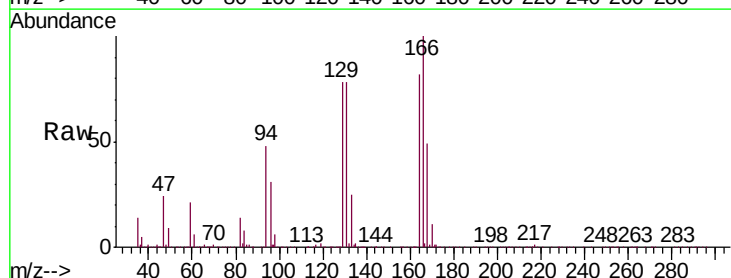
Instrument :
 MSVOA_R
 ClientSampleId :
 VICV66

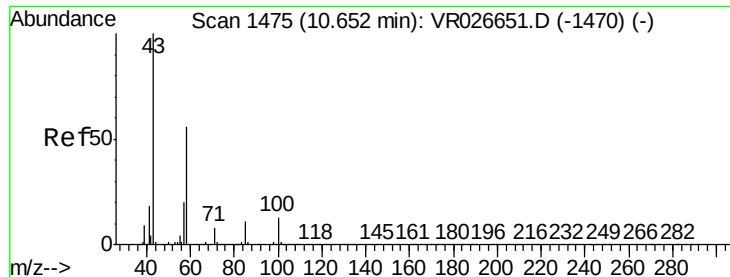
Tgt Ion:	97	Resp:	46920
Ion	Ratio	Lower	Upper
97	100		
99	68.1	41.3	76.7
83	83.9	58.2	108.2
85	57.7	39.5	73.3



#47
 Tetrachloroethene
 Concen: 5.329 ug/L
 RT: 10.53 min Scan# 1455
 Delta R.T. 0.00 min
 Lab File: VR026657.D
 Acq: 10 Oct 2019 18:56

Tgt Ion:	164	Resp:	90189
Ion	Ratio	Lower	Upper
164	100		
129	94.9	68.2	126.6
131	95.0	63.2	117.4
166	121.8	86.0	159.6

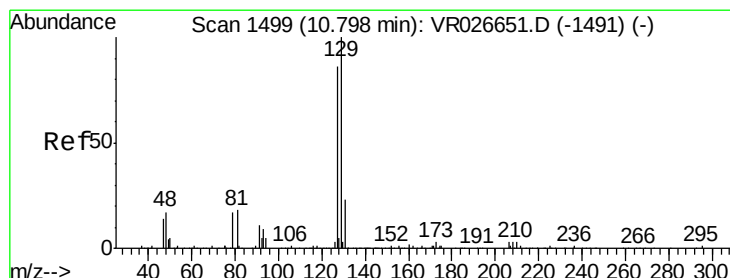
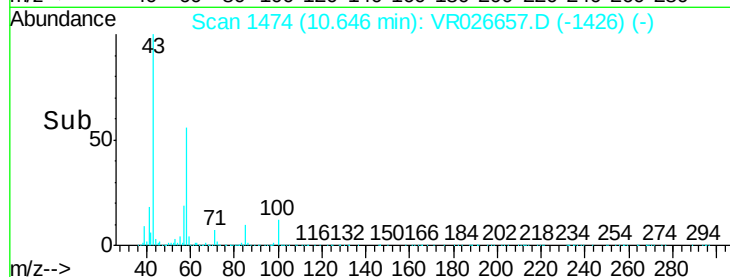
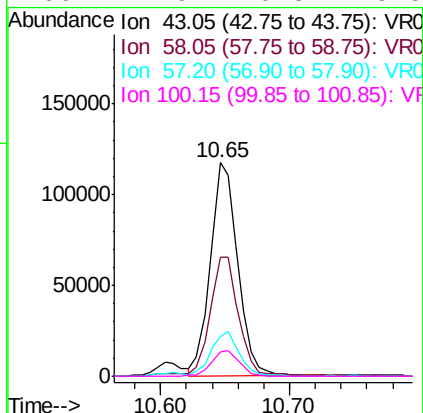
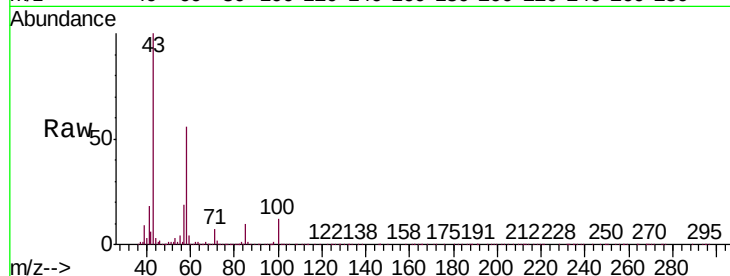




#48
2-Hexanone
Concen: 55.597 ug/L
RT: 10.65 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VR026657.D
Acq: 10 Oct 2019 18:56

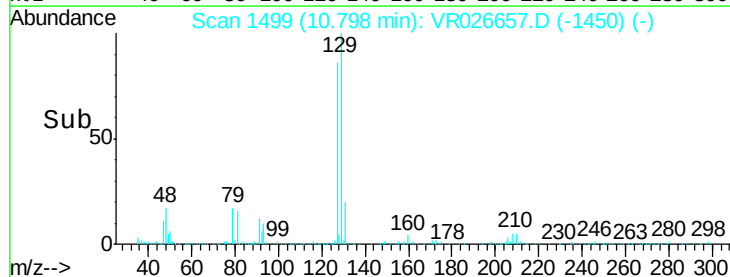
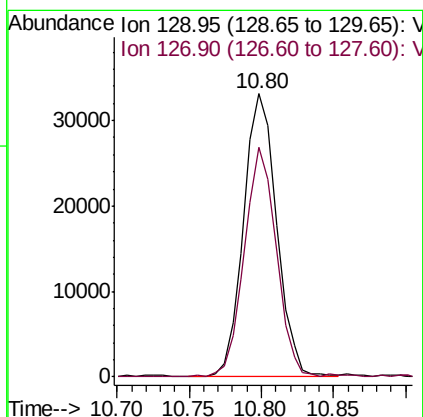
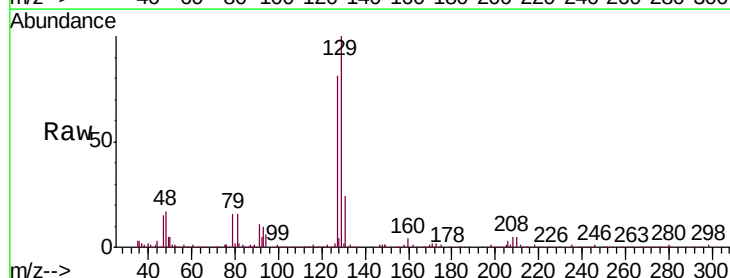
Instrument :
MSVOA_R
ClientSampleId :
VICV66

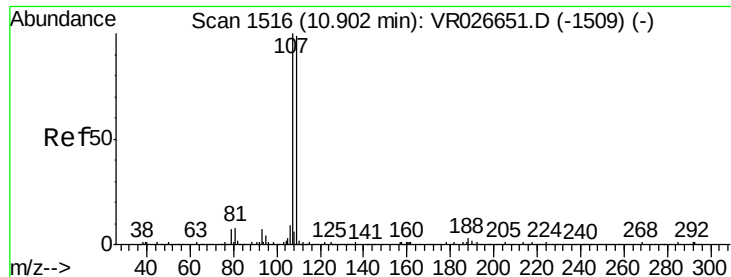
Tgt Ion:	43	Resp:	176040
Ion	Ratio	Lower	Upper
43	100		
58	59.2	47.0	70.4
57	21.2	16.8	25.2
100	12.9	10.3	15.5



#49
Dibromochloromethane
Concen: 5.114 ug/L
RT: 10.80 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VR026657.D
Acq: 10 Oct 2019 18:56

Tgt Ion:	129	Resp:	52644
Ion	Ratio	Lower	Upper
129	100		
127	81.2	60.2	111.8

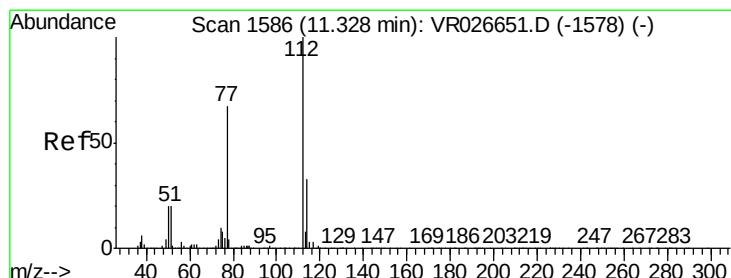
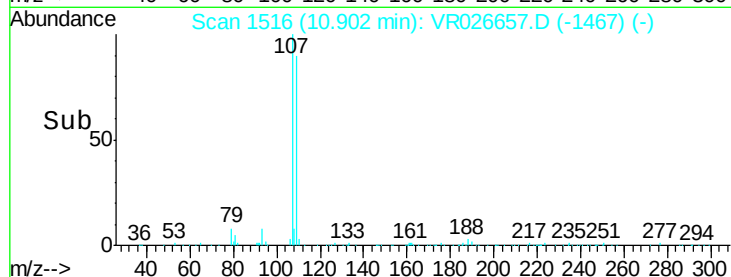
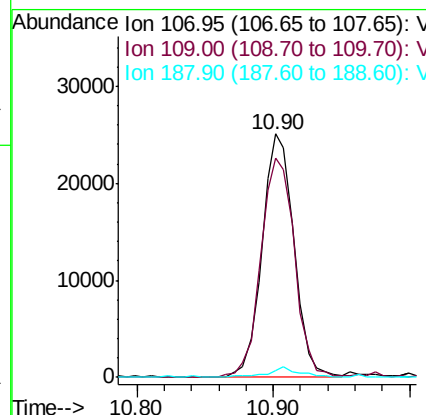
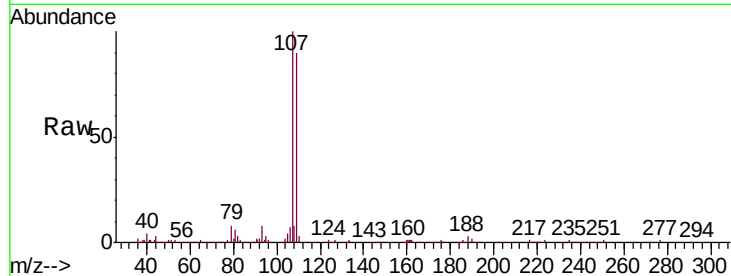




#50
1,2-Dibromoethane
Concen: 5.111 ug/L
RT: 10.90 min Scan# 1516
Delta R.T. 0.00 min
Lab File: VR026657.D
Acq: 10 Oct 2019 18:56

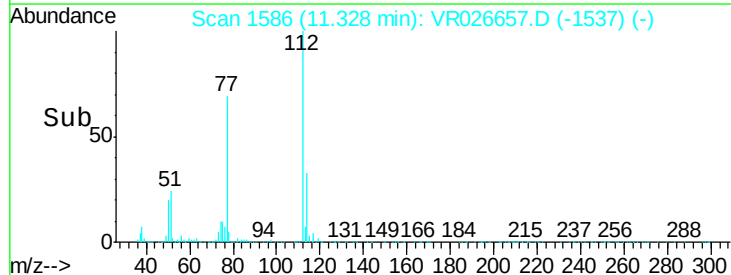
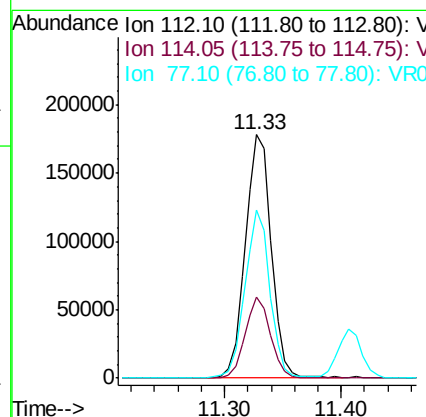
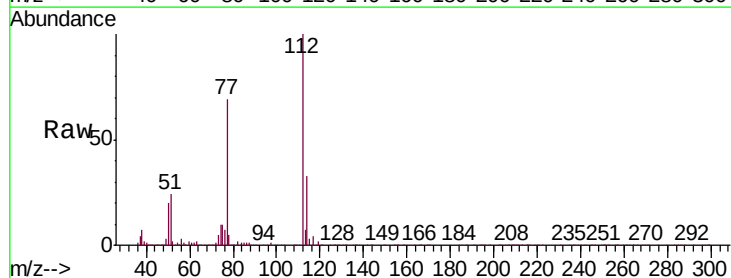
Instrument :
MSVOA_R
ClientSampleId :
VICV66

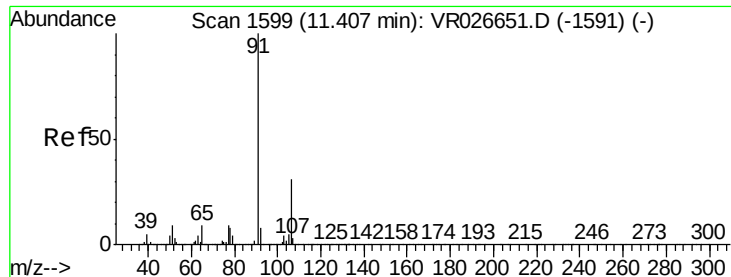
Tgt Ion:107 Resp: 41178
Ion Ratio Lower Upper
107 100
109 90.3 69.4 128.8
188 2.8 2.1 3.1



#51
Chlorobenzene
Concen: 5.076 ug/L
RT: 11.33 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VR026657.D
Acq: 10 Oct 2019 18:56

Tgt Ion:112 Resp: 276328
Ion Ratio Lower Upper
112 100
114 33.2 22.9 42.5
77 68.8 53.4 80.0





#52

Ethylbenzene

Concen: 5.752 ug/L

RT: 11.41 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VR026657.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA_R

ClientSampleId :

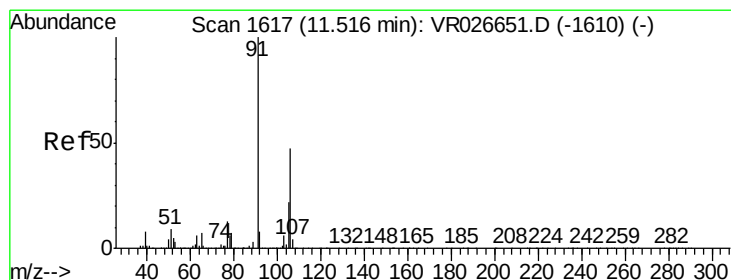
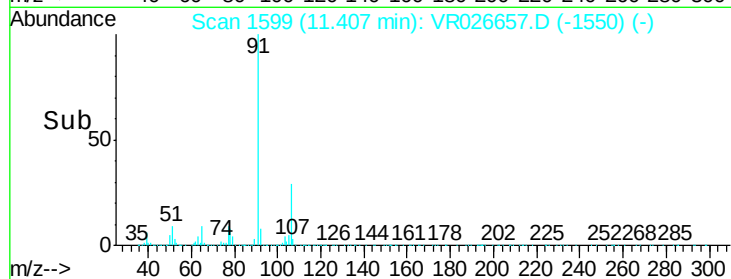
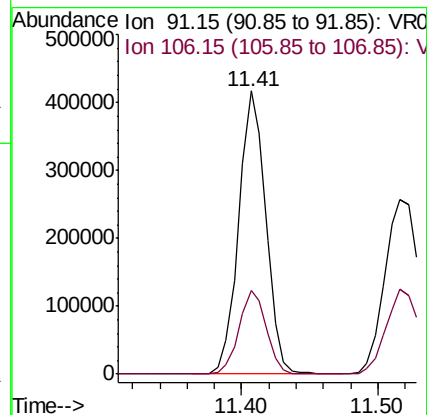
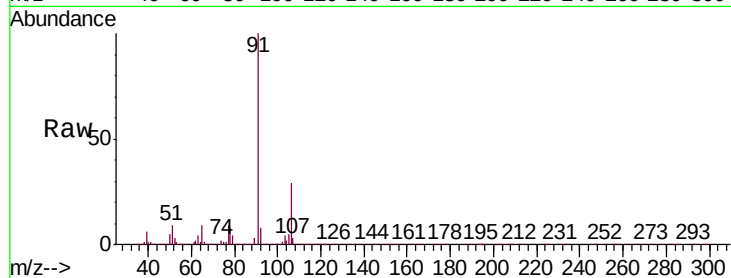
VICV66

Tgt Ion: 91 Resp: 577898

Ion Ratio Lower Upper

91 100

106 29.4 21.6 40.2



#53

m,p-Xylene

Concen: 5.655 ug/L

RT: 11.52 min Scan# 1617

Delta R.T. 0.00 min

Lab File: VR026657.D

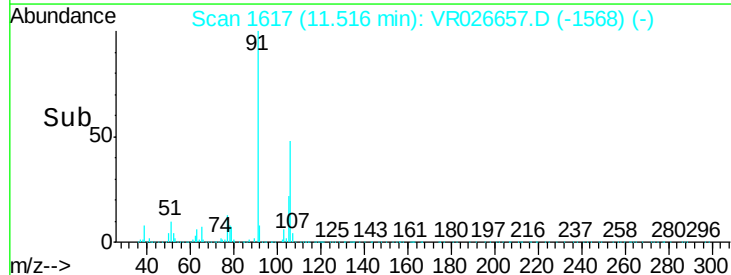
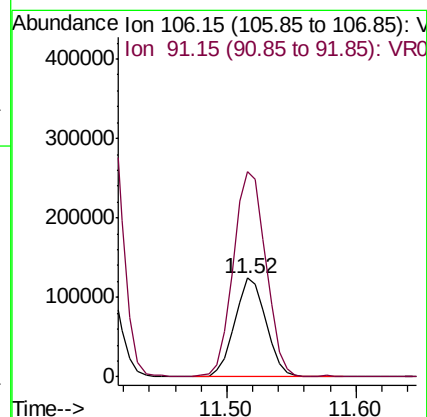
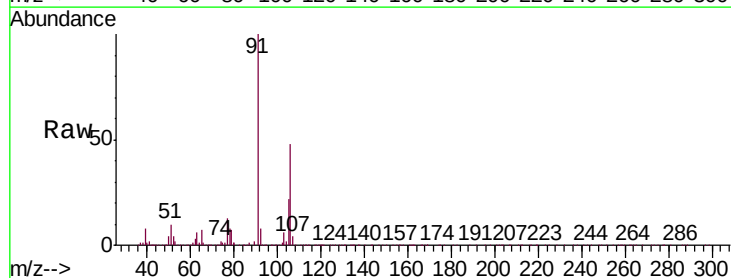
Acq: 10 Oct 2019 18:56

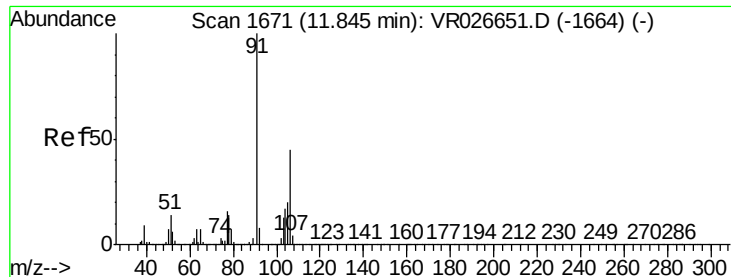
Tgt Ion: 106 Resp: 211179

Ion Ratio Lower Upper

106 100

91 207.1 148.4 275.6

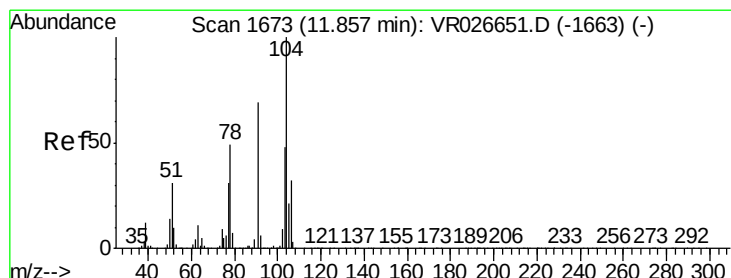
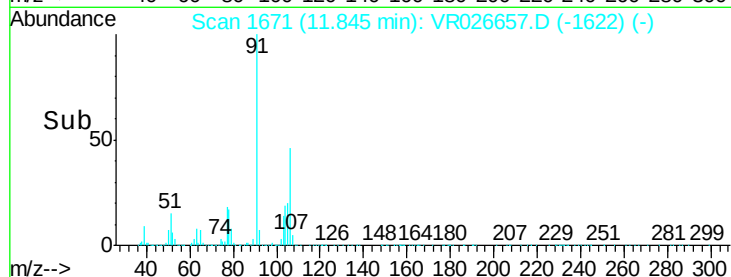
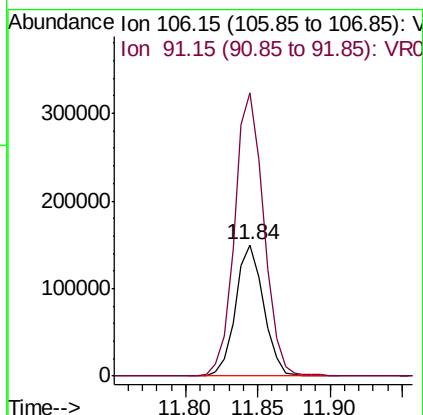
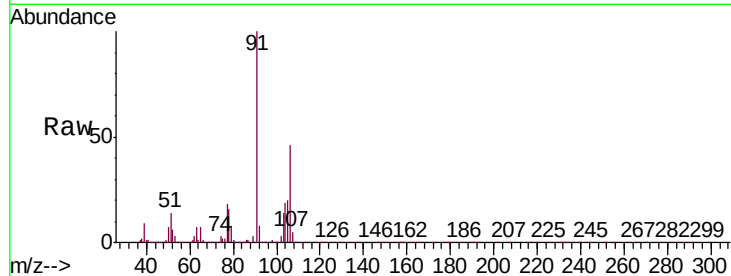




#54
o-Xylene
Concen: 5.991 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026657.D
Acq: 10 Oct 2019 18:56

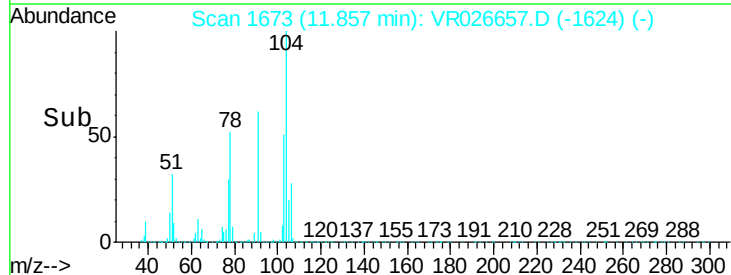
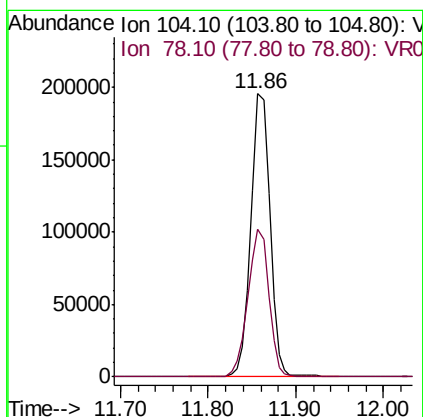
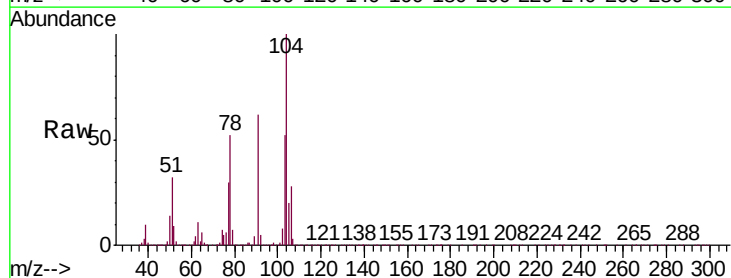
Instrument :
MSVOA_R
ClientSampled :
VICV66

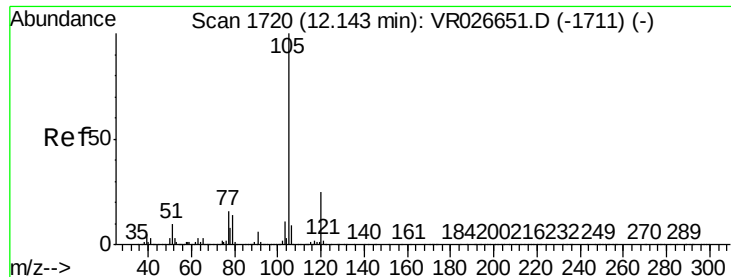
Tgt Ion:106 Resp: 204626
Ion Ratio Lower Upper
106 100
91 215.5 156.4 290.6



#55
Styrene
Concen: 6.024 ug/L
RT: 11.86 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VR026657.D
Acq: 10 Oct 2019 18:56

Tgt Ion:104 Resp: 296946
Ion Ratio Lower Upper
104 100
78 52.1 34.5 64.1





#56

Isopropylbenzene

Concen: 5.925 ug/L

RT: 12.14 min Scan# 1720

Delta R.T. 0.00 min

Lab File: VR026657.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA_R

ClientSampled :

VICV66

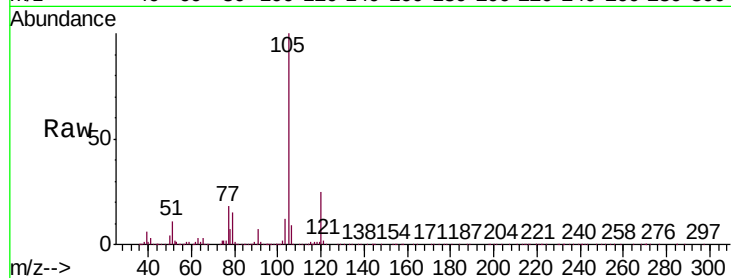
Tgt Ion: 105 Resp: 594275

Ion Ratio Lower Upper

105 100

120 26.0 20.6 31.0

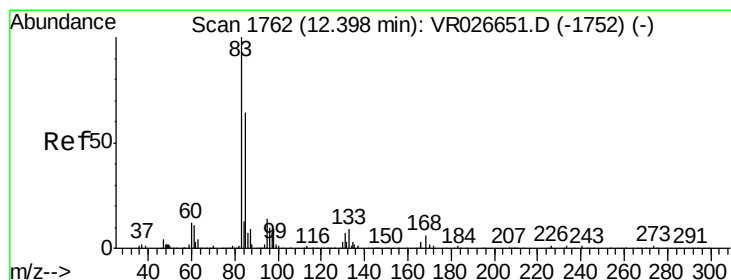
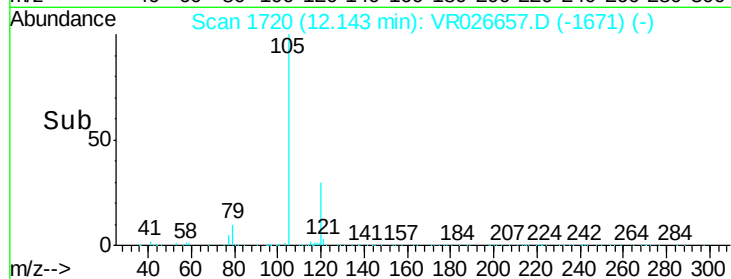
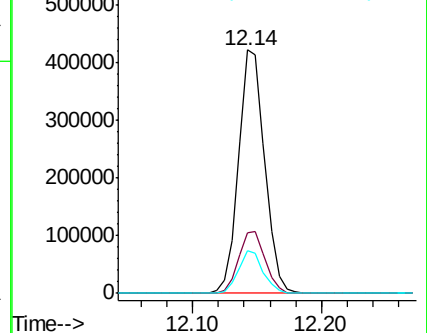
77 16.7 13.6 20.4



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: 5.104 ug/L

RT: 12.40 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VR026657.D

Acq: 10 Oct 2019 18:56

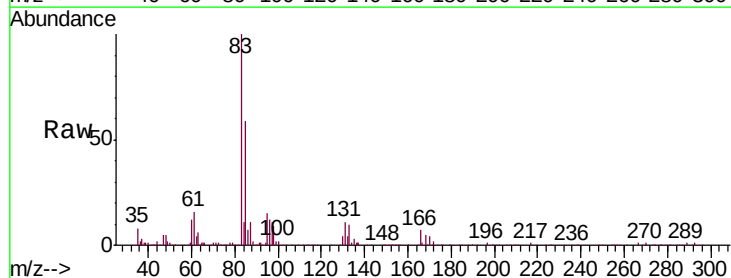
Tgt Ion: 83 Resp: 52785

Ion Ratio Lower Upper

83 100

85 58.5 44.7 82.9

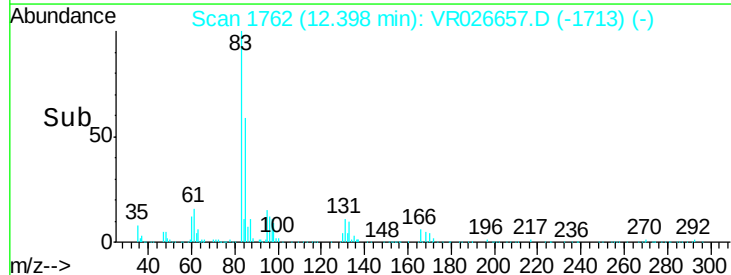
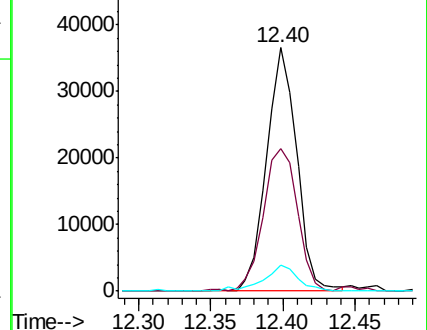
131 10.8 5.4 8.2#

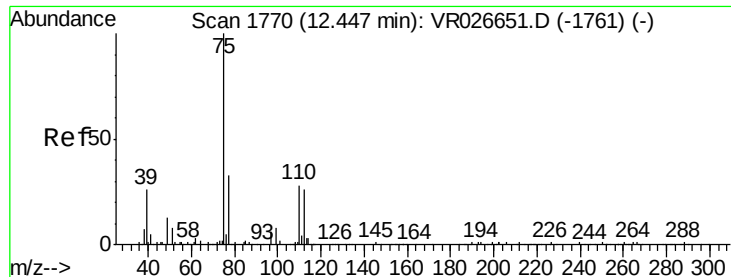


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

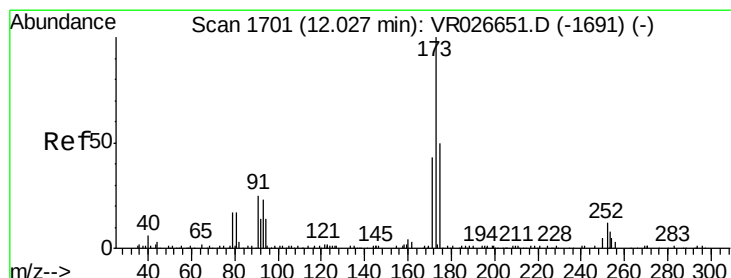
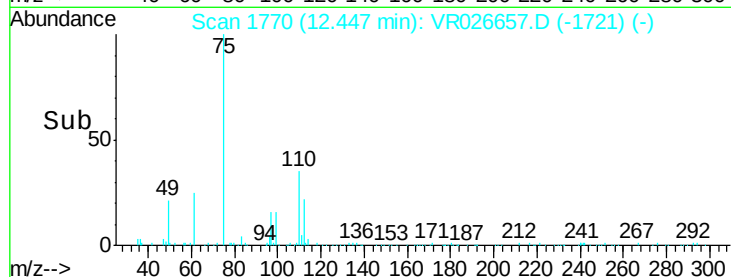
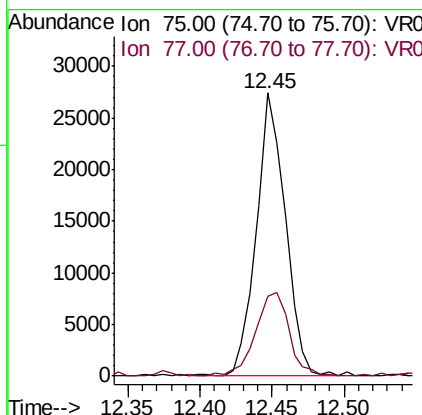
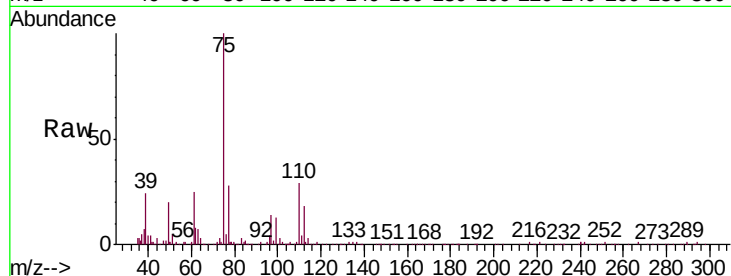




#59
 1,2,3-Trichloropropane
 Concen: 5.088 ug/L
 RT: 12.45 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VR026657.D
 Acq: 10 Oct 2019 18:56

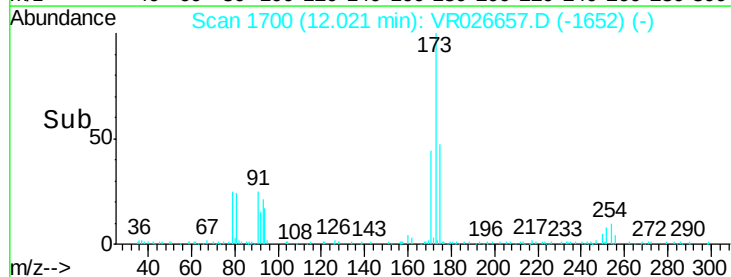
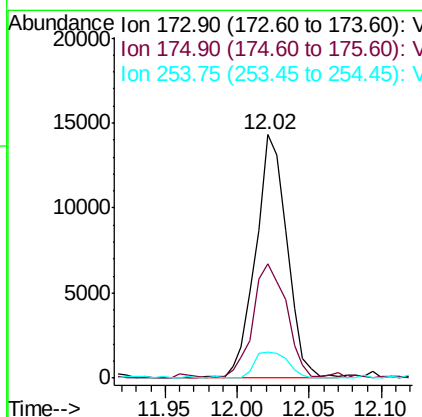
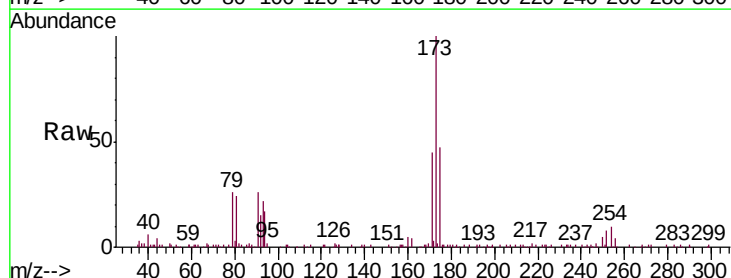
Instrument :
 MSVOA_R
 ClientSampleId :
 VICV66

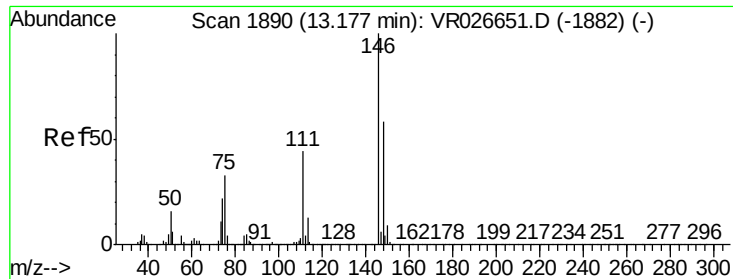
Tgt Ion: 75 Resp: 37991
 Ion Ratio Lower Upper
 75 100
 77 34.6 26.5 39.7



#61
 Bromoform
 Concen: 4.803 ug/L
 RT: 12.02 min Scan# 1700
 Delta R.T. -0.01 min
 Lab File: VR026657.D
 Acq: 10 Oct 2019 18:56

Tgt Ion: 173 Resp: 21413
 Ion Ratio Lower Upper
 173 100
 175 50.9 38.6 57.8
 254 11.2 11.3 16.9#





#62

1,3-Dichlorobenzene

Concen: 5.014 ug/L

RT: 13.18 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VR026657.D

Acq: 10 Oct 2019 18:56

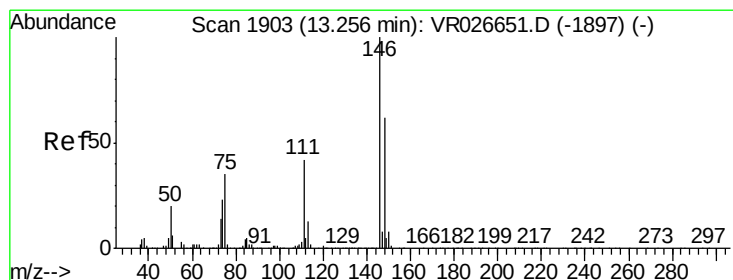
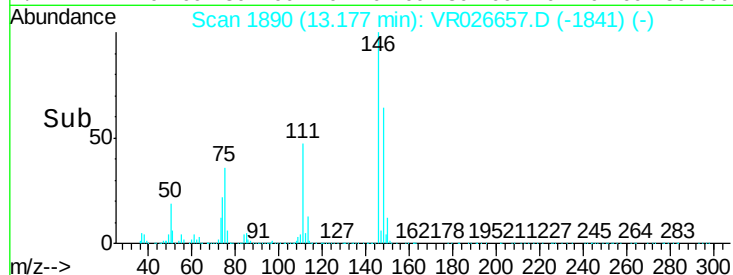
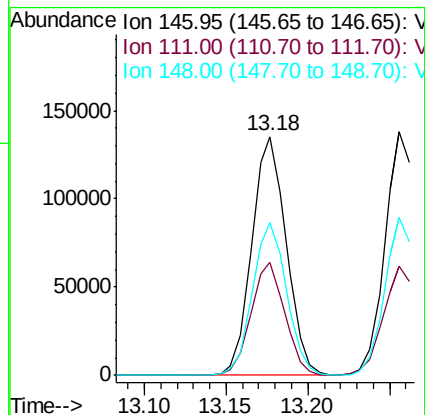
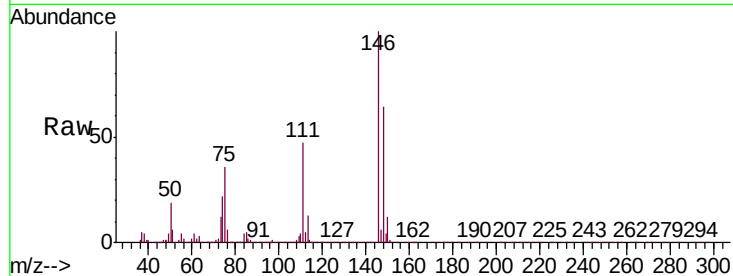
Instrument :

MSVOA_R

ClientSampleId :

VICV66

Tgt Ion:	146	Resp:	198895
Ion	Ratio	Lower	Upper
146	100		
111	47.4	31.0	57.6
148	64.0	40.9	75.9



#63

1,4-Dichlorobenzene

Concen: 4.848 ug/L

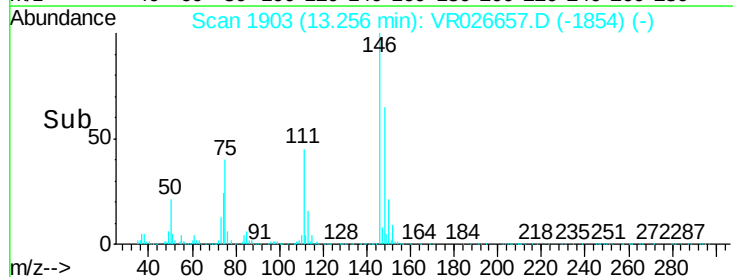
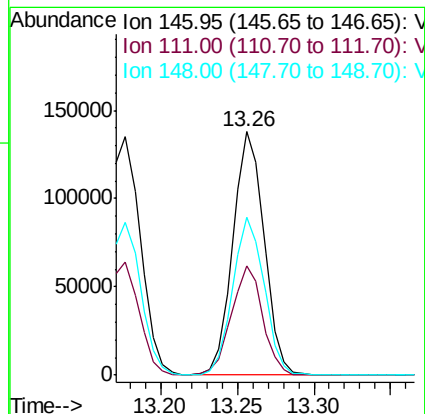
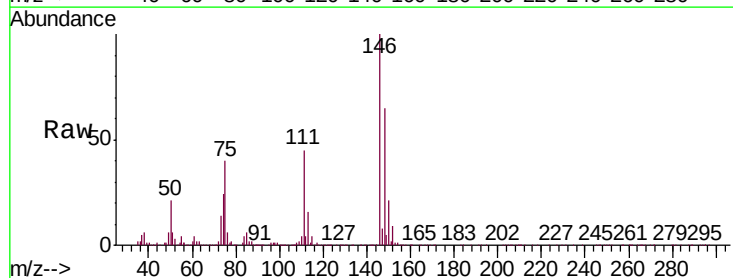
RT: 13.26 min Scan# 1903

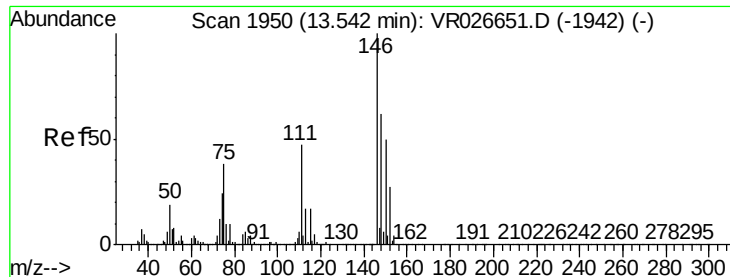
Delta R.T. 0.00 min

Lab File: VR026657.D

Acq: 10 Oct 2019 18:56

Tgt Ion:	146	Resp:	194635
Ion	Ratio	Lower	Upper
146	100		
111	44.8	29.6	55.0
148	65.0	43.2	80.2

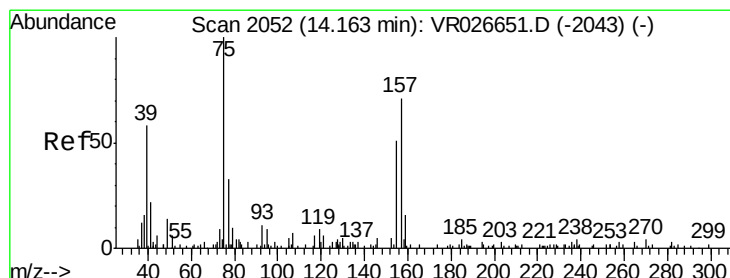
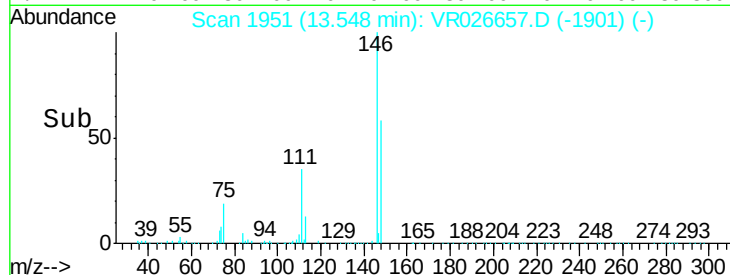
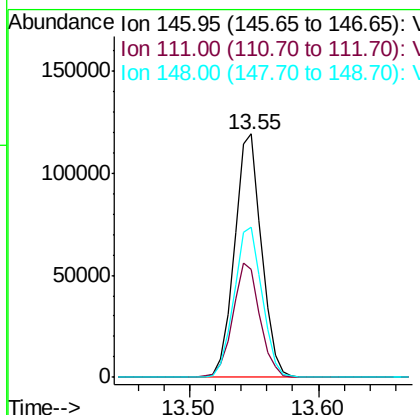
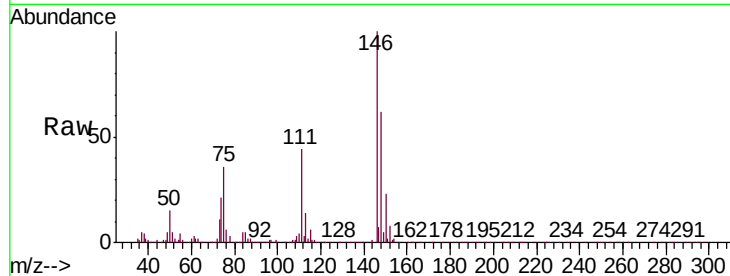




#65
 1,2-Dichlorobenzene
 Concen: 5.147 ug/L
 RT: 13.55 min Scan# 1951
 Delta R.T. 0.01 min
 Lab File: VR026657.D
 Acq: 10 Oct 2019 18:56

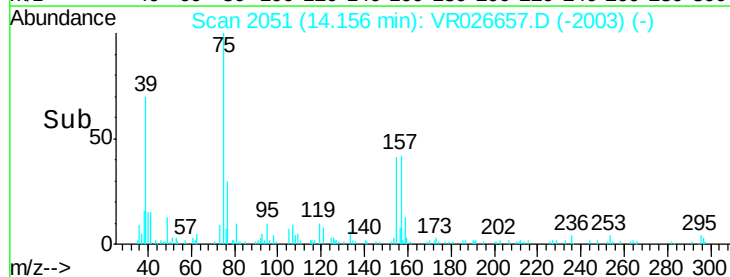
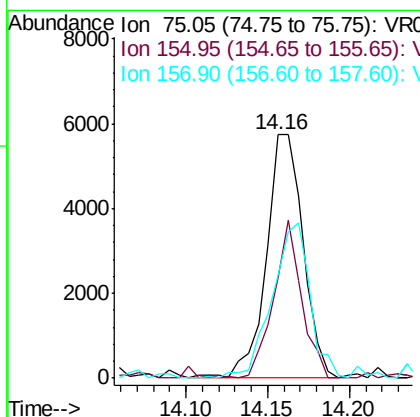
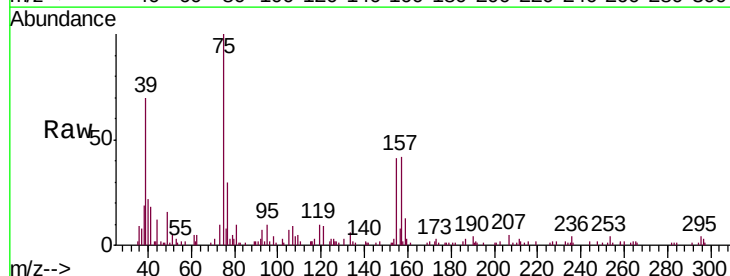
Instrument :
 MSVOA_R
 ClientSampleId :
 VICV66

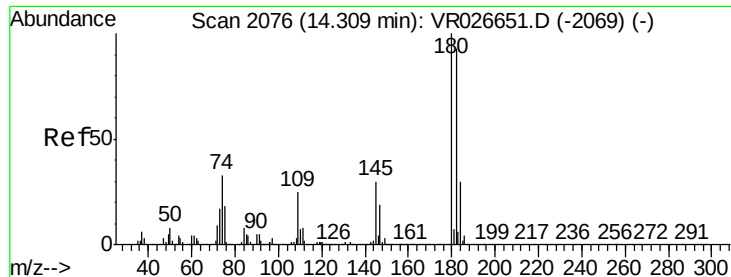
Tgt Ion:146 Resp: 172694
 Ion Ratio Lower Upper
 146 100
 111 44.2 37.4 56.2
 148 61.7 49.6 74.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.619 ug/L
 RT: 14.16 min Scan# 2051
 Delta R.T. -0.01 min
 Lab File: VR026657.D
 Acq: 10 Oct 2019 18:56

Tgt Ion: 75 Resp: 8964
 Ion Ratio Lower Upper
 75 100
 155 41.3 41.8 62.8#
 157 44.1 56.5 84.7#

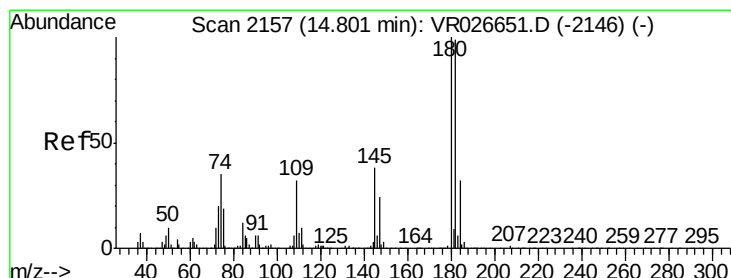
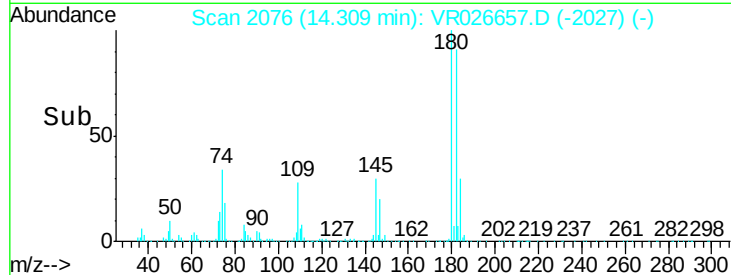
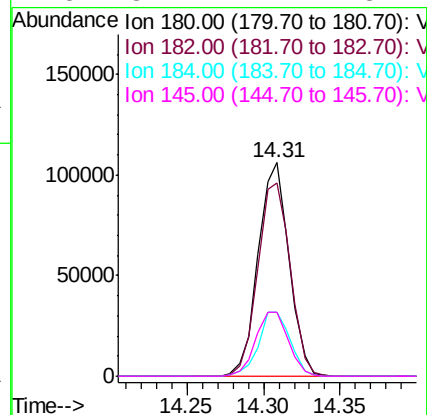
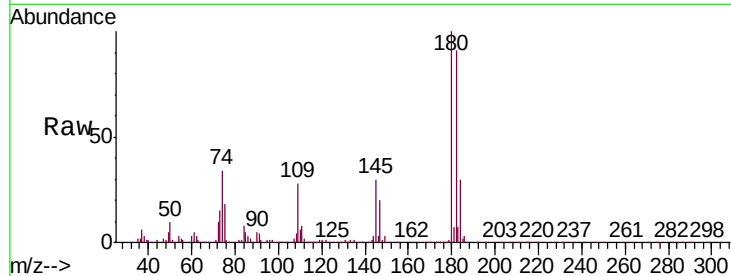




#67
 1,3,5-Trichlorobenzene
 Concen: 4.899 ug/L
 RT: 14.31 min Scan# 2076
 Delta R.T. 0.00 min
 Lab File: VR026657.D
 Acq: 10 Oct 2019 18:56

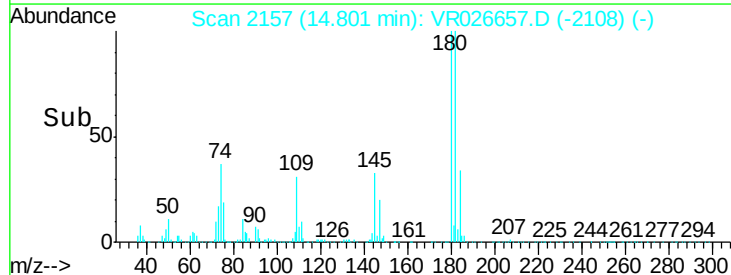
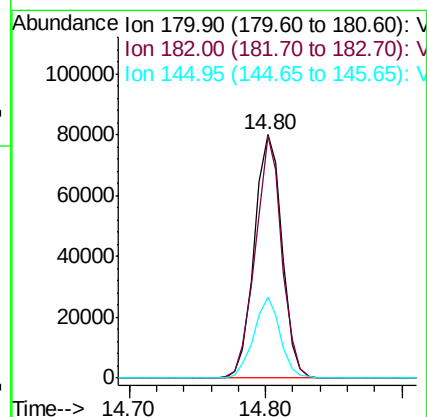
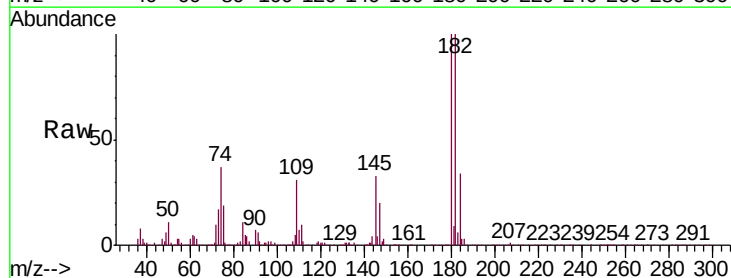
Instrument :
 MSVOA_R
 ClientSampleId :
 VICV66

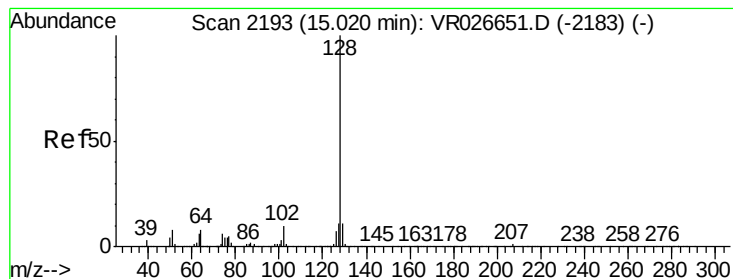
Tgt Ion:	180	Resp:	149056
Ion	Ratio	Lower	Upper
180	100		
182	94.9	72.5	108.7
184	30.6	22.7	34.1
145	32.2	24.7	37.1



#68
 1,2,4-trichlorobenzene
 Concen: 5.012 ug/L
 RT: 14.80 min Scan# 2157
 Delta R.T. 0.00 min
 Lab File: VR026657.D
 Acq: 10 Oct 2019 18:56

Tgt Ion:	180	Resp:	114134
Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.7	113.5
145	31.9	27.0	40.6





#69

Naphthalene

Concen: 5.440 ug/L

RT: 15.02 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VR026657.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA_R

ClientSampled :

VICV66

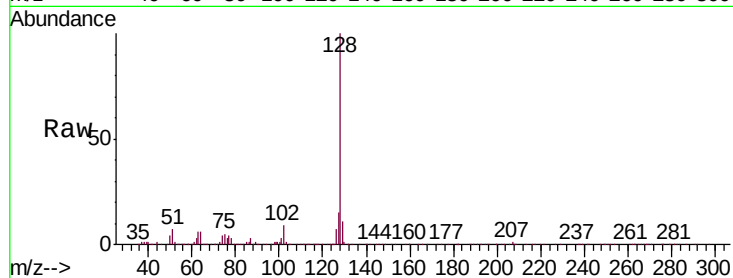
Tgt Ion:128 Resp: 140551

Ion Ratio Lower Upper

128 100

127 14.0 10.6 16.0

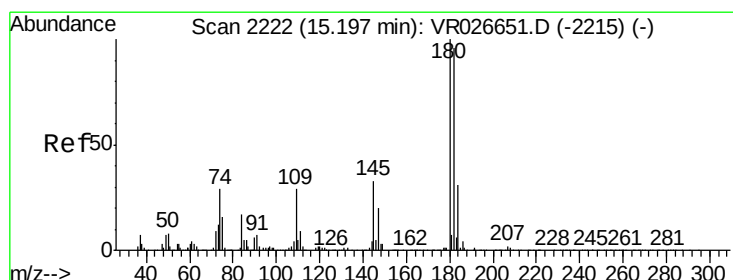
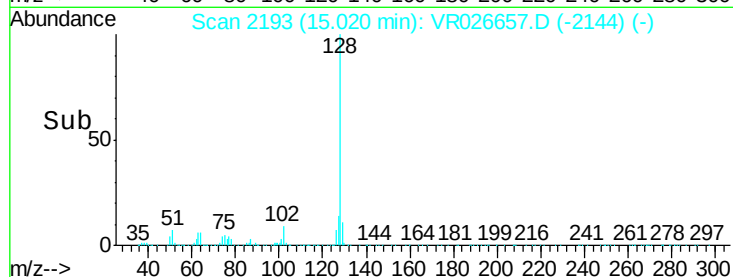
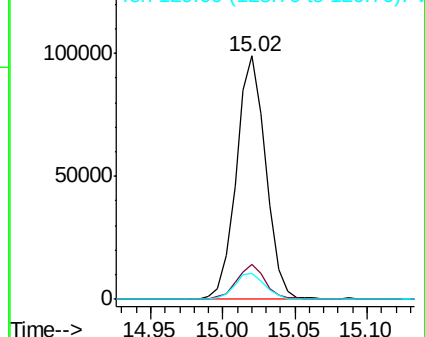
129 11.4 8.4 12.6



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: 5.246 ug/L

RT: 15.20 min Scan# 2222

Delta R.T. 0.00 min

Lab File: VR026657.D

Acq: 10 Oct 2019 18:56

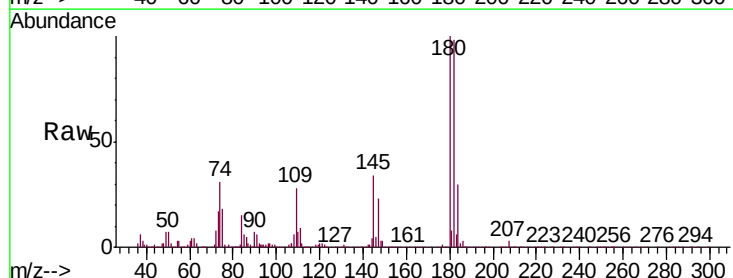
Tgt Ion:180 Resp: 108904

Ion Ratio Lower Upper

180 100

182 95.9 75.2 112.8

145 33.4 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

