

Data File : VR026614.D
Acq On : 10 Sep 2019 18:18
Operator : SY/MD
Sample : VSTDICV005
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VICV61

Quant Time: Sep 11 08:12:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091019WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 11 08:10:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.48	114	491924	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.30	117	363134	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.24	152	159088	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.18	65	70796	4.66	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.20%
7) Chloroethane-d5	2.63	69	62522	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.00%
11) 1,1-Dichloroethene-d2	3.64	63	168273	4.68	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.60%
20) 2-Butanone-d5	6.62	46	153805	46.52	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.04%
24) Chloroform-d	7.23	84	258816	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	7.91	65	80011	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
32) Benzene-d6	7.88	84	506535	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
36) 1,2-Dichloropropane-d6	8.92	67	128760	4.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.00%
41) Toluene-d8	9.99	98	390277	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
43) trans-1,3-Dichloropropene-	10.26	79	30217	4.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.20%
46) 2-Hexanone-d5	10.60	63	95834	48.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.68%
57) 1,1,2,2-Tetrachloroethane-	12.37	84	60318	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.00%
64) 1,2-Dichlorobenzene-d4	13.53	152	102089	4.85	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	229132	4.604 ug/L	99
3) Chloromethane	2.06	50	133665	4.489 ug/L	98
5) Vinyl chloride	2.20	62	130153	4.618 ug/L	94
6) Bromomethane	2.54	94	78198	4.825 ug/L	99
8) Chloroethane	2.66	64	71046	4.451 ug/L	96
9) Trichlorofluoromethane	2.97	101	194851	4.591 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	85468	4.603 ug/L	96
12) 1,1-Dichloroethene	3.65	96	88907	4.619 ug/L	92
13) Acetone	3.73	43	87612	43.133 ug/L	98
14) Carbon disulfide	3.97	76	362132	4.707 ug/L	99
15) Methyl Acetate	4.22	43	38338	4.245 ug/L	97
16) Methylene chloride	4.43	84	181813	4.498 ug/L	96
17) Methyl tert-butyl Ether	4.93	73	225259	4.646 ug/L	98
18) trans-1,2-Dichloroethene	4.92	96	202502	4.877 ug/L	93
19) 1,1-Dichloroethane	5.72	63	380585	4.816 ug/L	98
21) 2-Butanone	6.72	43	203931	48.610 ug/L	98
22) cis-1,2-Dichloroethene	6.70	96	200669	4.911 ug/L	98

Data File : VR026614.D
Acq On : 10 Sep 2019 18:18
Operator : SY/MD
Sample : VSTDICV005
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VICV61

Quant Time: Sep 11 08:12:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091019WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 11 08:10:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.07	128	54094	4.926	ug/L	89
25) Chloroform	7.26	83	333351	4.581	ug/L	95
27) 1,2-Dichloroethane	8.01	62	123059	4.623	ug/L	100
29) 1,1,1-Trichloroethane	7.46	97	268829	4.901	ug/L	98
30) Cyclohexane	7.54	56	321916	4.923	ug/L	97
31) Carbon tetrachloride	7.66	117	216849	4.760	ug/L	99
33) Benzene	7.93	78	782264	4.872	ug/L	100
34) Trichloroethene	8.73	95	186521	4.704	ug/L	97
35) Methylcyclohexane	8.97	83	290903	4.874	ug/L	98
37) 1,2-Dichloropropane	9.02	63	154393	4.813	ug/L	98
38) Bromodichloromethane	9.30	83	156083	4.714	ug/L #	98
39) cis-1,3-Dichloropropene	9.73	75	168913	4.843	ug/L	98
40) 4-Methyl-2-pentanone	9.88	43	451623	49.264	ug/L	98
42) Toluene	10.05	91	705498	4.911	ug/L	98
44) trans-1,3-Dichloropropene	10.28	75	108528	5.009	ug/L	94
45) 1,1,2-Trichloroethane	10.46	97	63350	4.727	ug/L	98
47) Tetrachloroethene	10.53	164	104560	4.688	ug/L	91
48) 2-Hexanone	10.65	43	271206	49.760	ug/L	100
49) Dibromochloromethane	10.80	129	64248	4.598	ug/L	98
50) 1,2-Dibromoethane	10.90	107	55451	4.939	ug/L	95
51) Chlorobenzene	11.33	112	376210	4.857	ug/L	97
52) Ethylbenzene	11.41	91	770751	4.896	ug/L	99
53) m,p-Xylene	11.52	106	286053	4.962	ug/L	93
54) o-Xylene	11.84	106	278374	4.961	ug/L	99
55) Styrene	11.86	104	396934	5.130	ug/L	98
56) Isopropylbenzene	12.15	105	781387	5.005	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.40	83	73350	4.810	ug/L	97
59) 1,2,3-Trichloropropane	12.45	75	51647	4.671	ug/L	99
61) Bromoform	12.03	173	27464	4.700	ug/L	99
62) 1,3-Dichlorobenzene	13.18	146	264986	4.896	ug/L	97
63) 1,4-Dichlorobenzene	13.26	146	247975	4.759	ug/L	94
65) 1,2-Dichlorobenzene	13.55	146	221495	4.904	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.16	75	10511	4.572	ug/L	84
67) 1,3,5-Trichlorobenzene	14.31	180	214888	4.914	ug/L	97
68) 1,2,4-trichlorobenzene	14.80	180	156599	4.896	ug/L	96
69) Naphthalene	15.02	128	219904	4.889	ug/L	100
70) 1,2,3-Trichlorobenzene	15.20	180	131001	4.879	ug/L	99

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

Data File : VR026614.D

Acq On : 10 Sep 2019 18:18

Operator : SY/MD

Sample : VSTDICV005

Misc : 25mL/MSV0A_R/WATER

ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VICV61

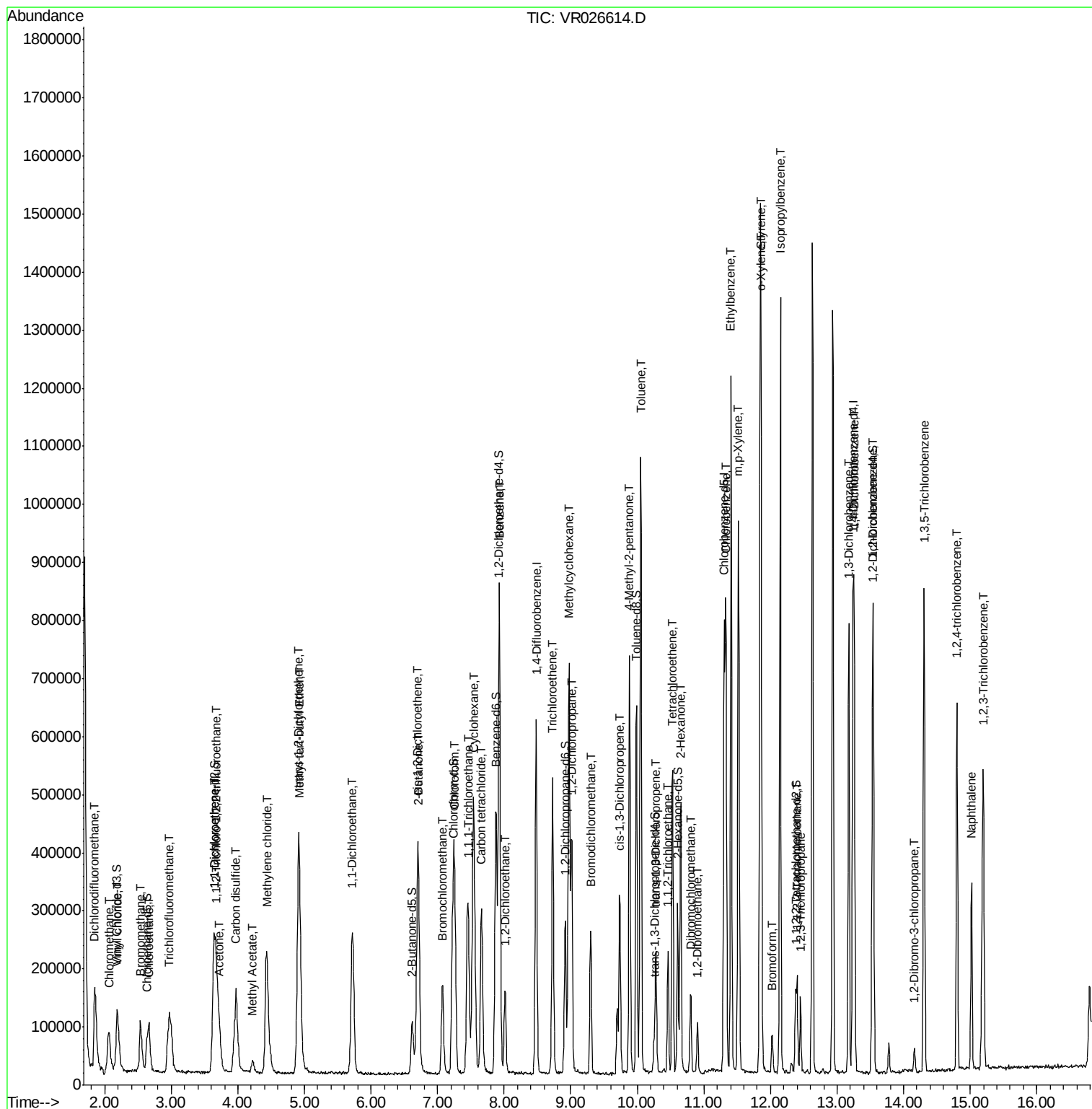
Quant Time: Sep 11 08:12:59 2019

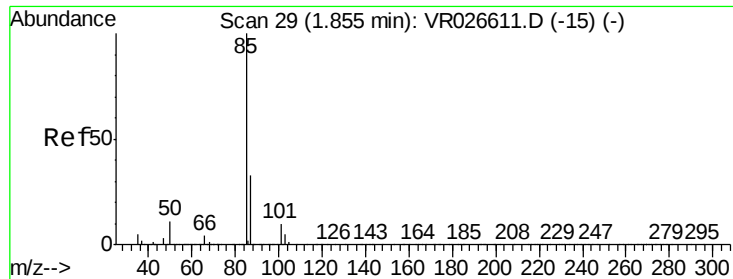
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091019WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Wed Sep 11 08:10:13 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.604 ug/L

RT: 1.85 min Scan# 28

Delta R.T. -0.01 min

Lab File: VR026614.D

Acq: 10 Sep 2019 18:18

Instrument :

MSVOA_R

ClientSampleId :

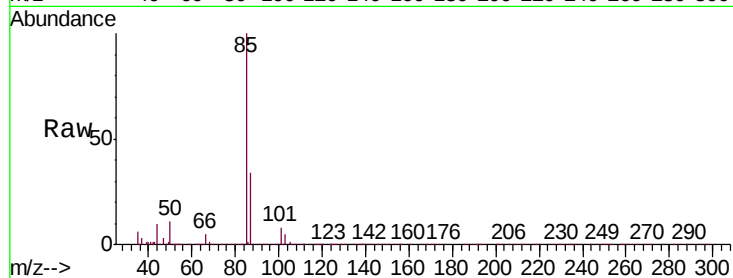
VICV61

Tgt Ion: 85 Resp: 229132

Ion Ratio Lower Upper

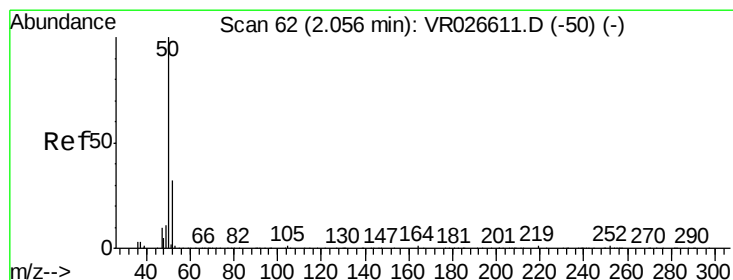
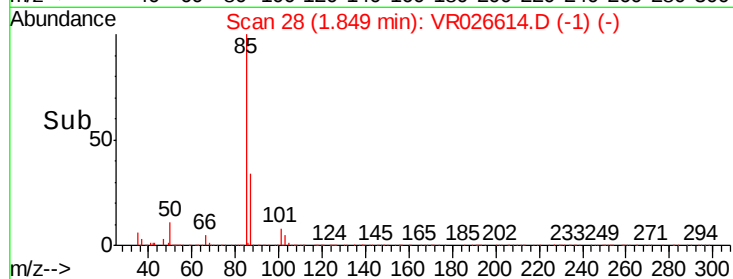
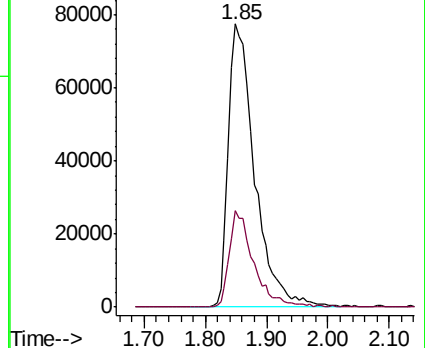
85 100

87 31.5 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 4.489 ug/L

RT: 2.06 min Scan# 63

Delta R.T. 0.01 min

Lab File: VR026614.D

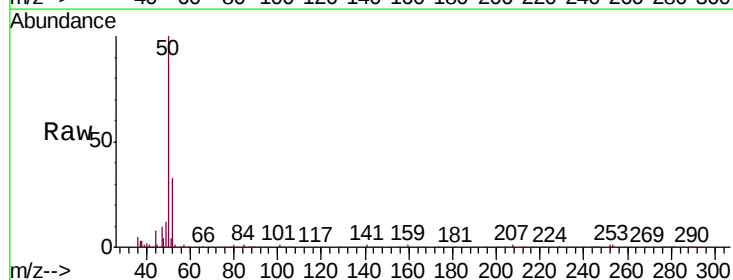
Acq: 10 Sep 2019 18:18

Tgt Ion: 50 Resp: 133665

Ion Ratio Lower Upper

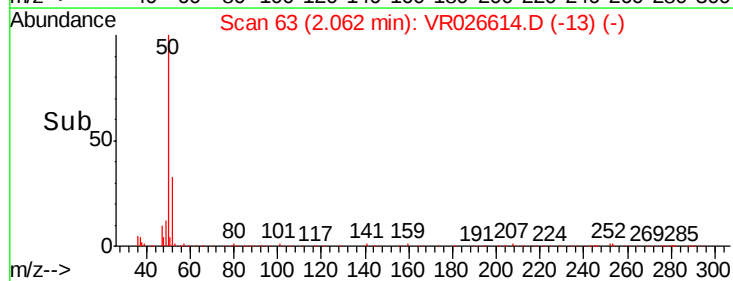
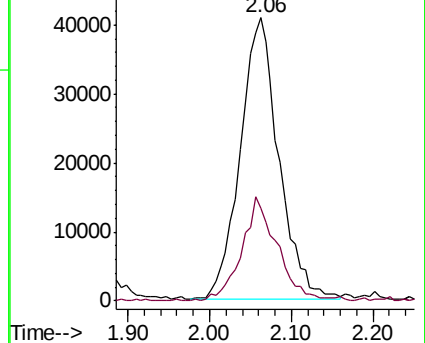
50 100

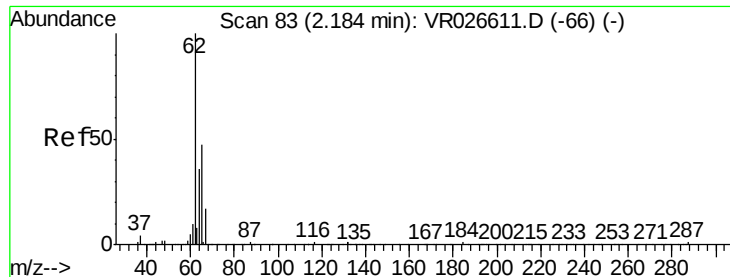
52 32.8 22.2 41.2



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 4.618 ug/L

RT: 2.20 min Scan# 85

Delta R.T. 0.01 min

Lab File: VR026614.D

Acq: 10 Sep 2019 18:18

Instrument :

MSVOA_R

ClientSampleId :

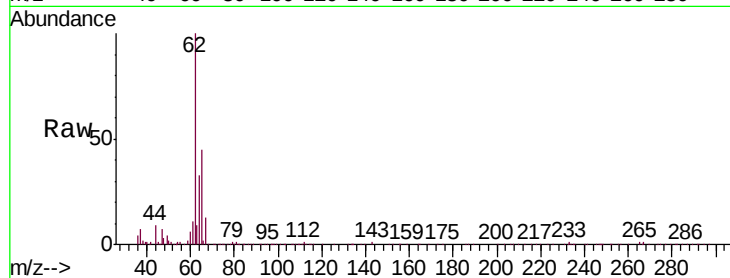
VICV61

Tgt Ion: 62 Resp: 130153

Ion Ratio Lower Upper

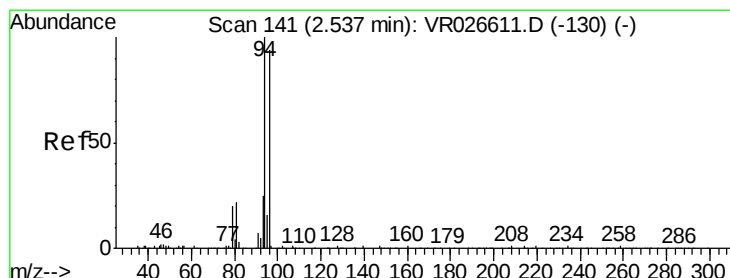
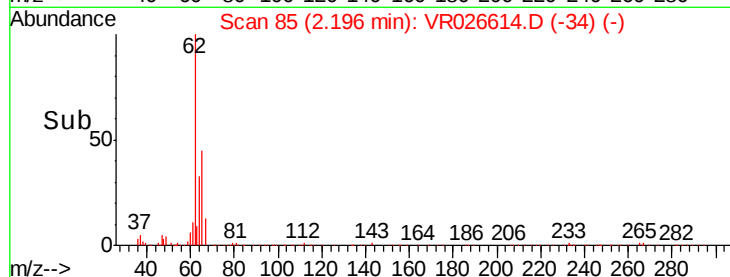
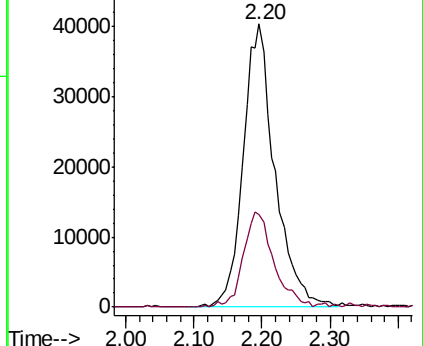
62 100

64 32.9 25.4 47.2



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0



#6

Bromomethane

Concen: 4.825 ug/L

RT: 2.54 min Scan# 141

Delta R.T. -0.00 min

Lab File: VR026614.D

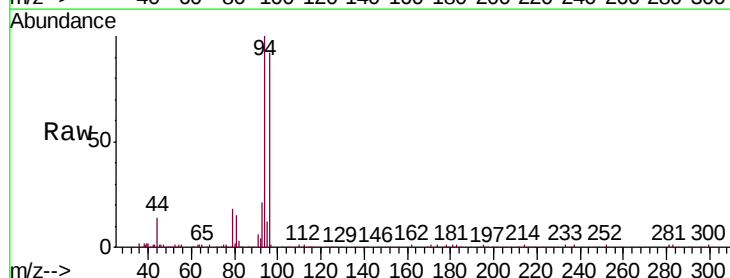
Acq: 10 Sep 2019 18:18

Tgt Ion: 94 Resp: 78198

Ion Ratio Lower Upper

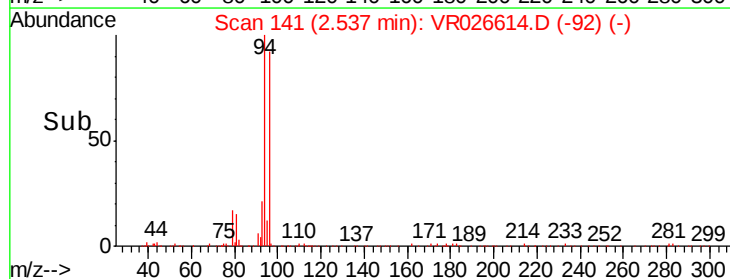
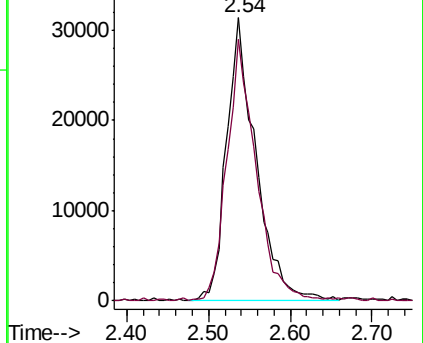
94 100

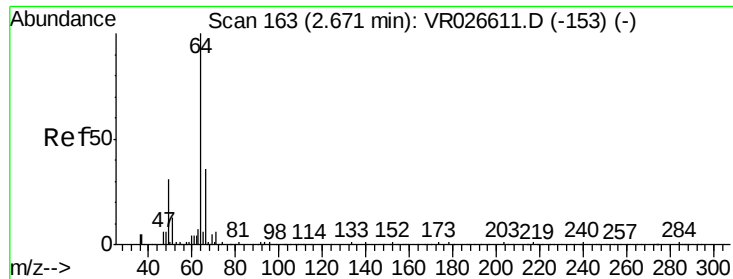
96 92.5 65.7 122.1



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0

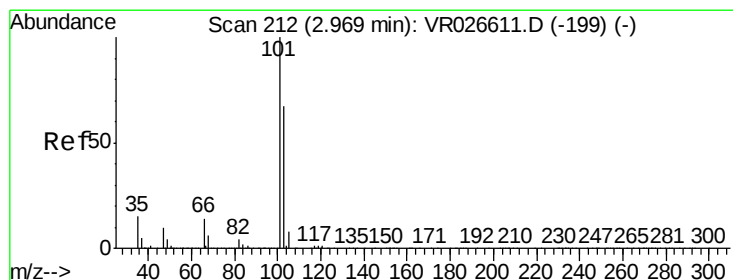
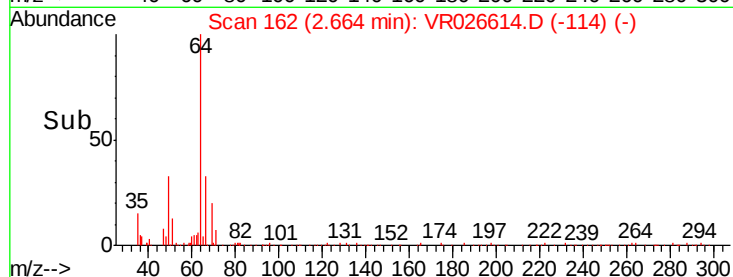
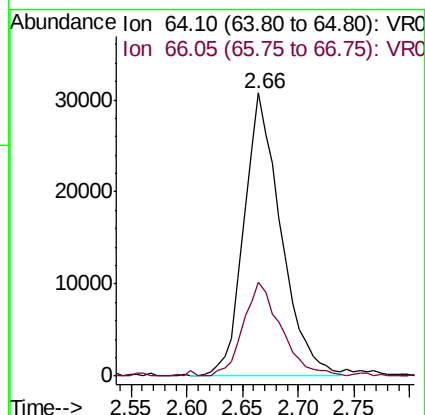
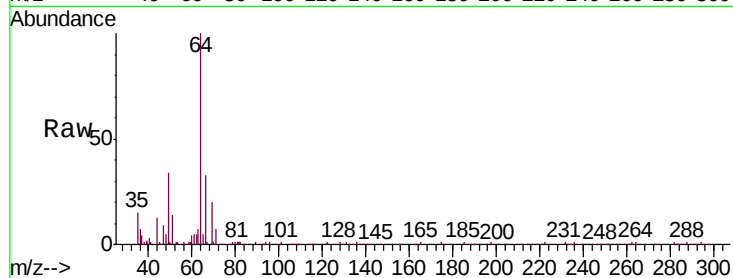




#8
Chloroethane
Concen: 4.451 ug/L
RT: 2.66 min Scan# 162
Delta R.T. -0.01 min
Lab File: VR026614.D
Acq: 10 Sep 2019 18:18

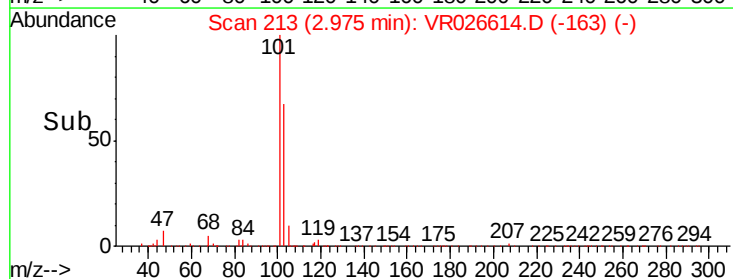
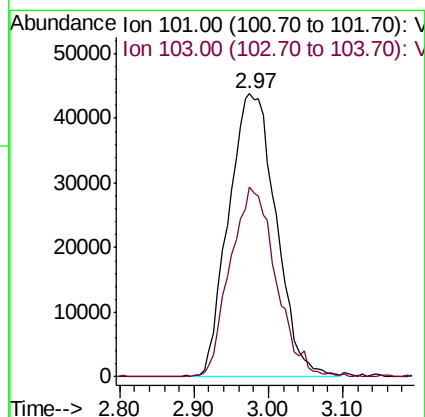
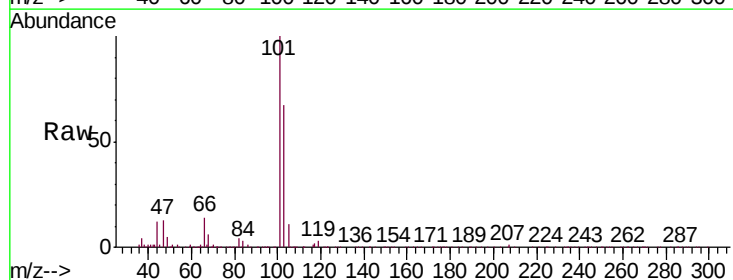
Instrument :
MSVOA_R
ClientSampleId :
VICV61

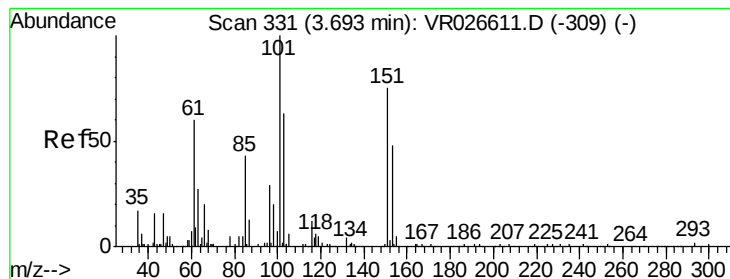
Tgt Ion: 64 Resp: 71046
Ion Ratio Lower Upper
64 100
66 33.4 25.1 46.5



#9
Trichlorofluoromethane
Concen: 4.591 ug/L
RT: 2.97 min Scan# 213
Delta R.T. 0.01 min
Lab File: VR026614.D
Acq: 10 Sep 2019 18:18

Tgt Ion: 101 Resp: 194851
Ion Ratio Lower Upper
101 100
103 64.8 51.1 76.7





#10

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

Concen: 4.603 ug/L

RT: 3.68 min Scan# 329

Delta R.T. -0.01 min

Lab File: VR026614.D

Acq: 10 Sep 2019 18:18

Instrument :

MSVOA_R

ClientSampleId :

VICV61

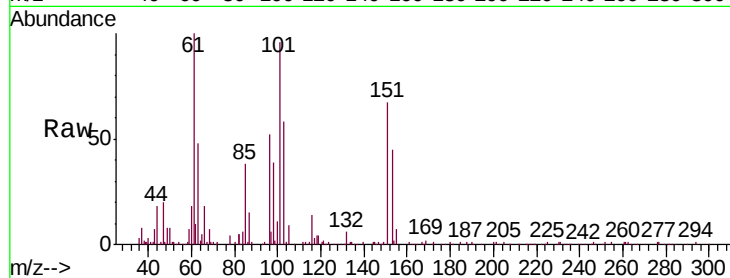
Tgt Ion:101 Resp: 85468

Ion Ratio Lower Upper

101 100

85 46.9 40.6 61.0

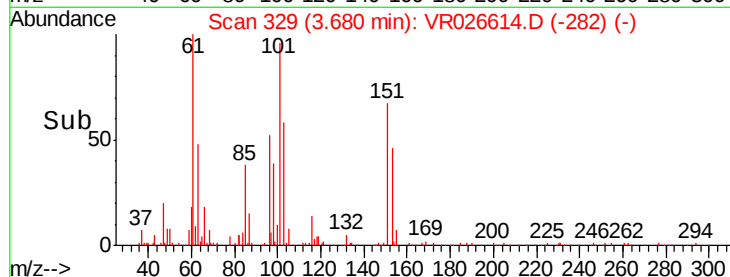
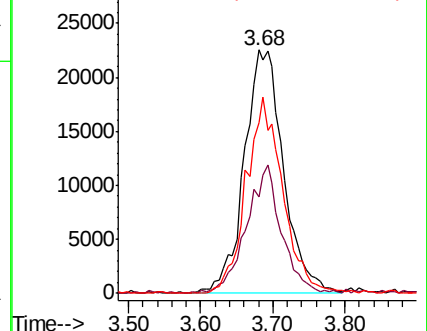
151 75.0 58.6 87.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.619 ug/L

RT: 3.65 min Scan# 324

Delta R.T. 0.01 min

Lab File: VR026614.D

Acq: 10 Sep 2019 18:18

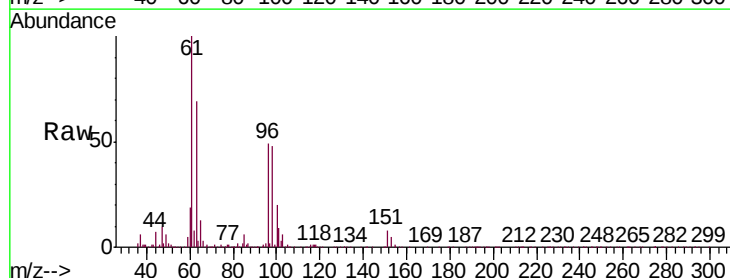
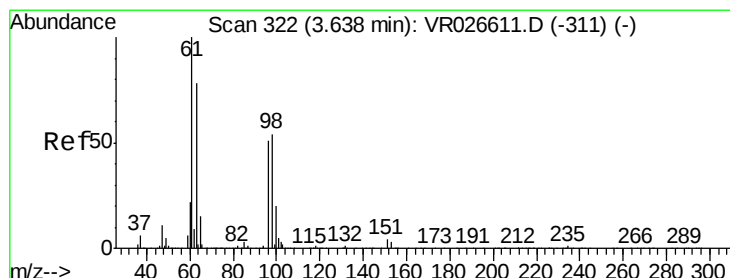
Tgt Ion: 96 Resp: 88907

Ion Ratio Lower Upper

96 100

61 204.7 137.8 255.8

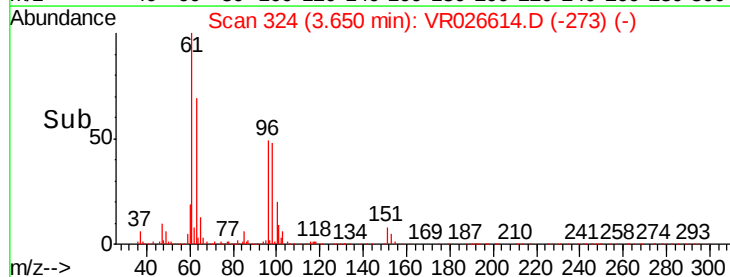
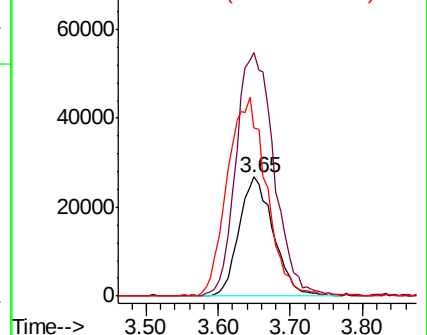
63 140.8 108.6 201.8

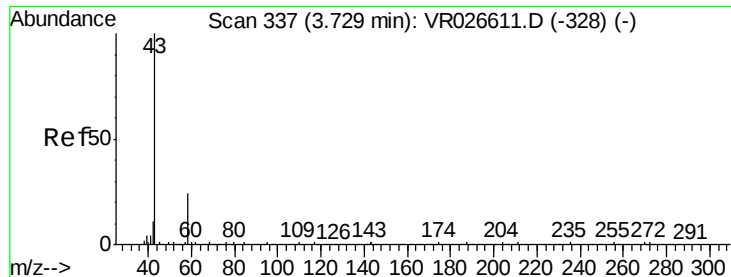


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 43.133 ug/L

RT: 3.73 min Scan# 337

Delta R.T. -0.00 min

Lab File: VR026614.D

Acq: 10 Sep 2019 18:18

Instrument :

MSVOA_R

ClientSampleId :

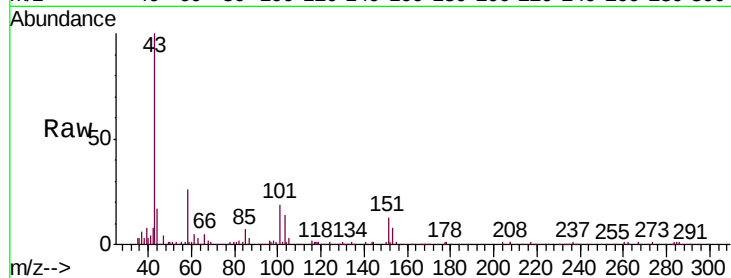
VICV61

Tgt Ion: 43 Resp: 87612

Ion Ratio Lower Upper

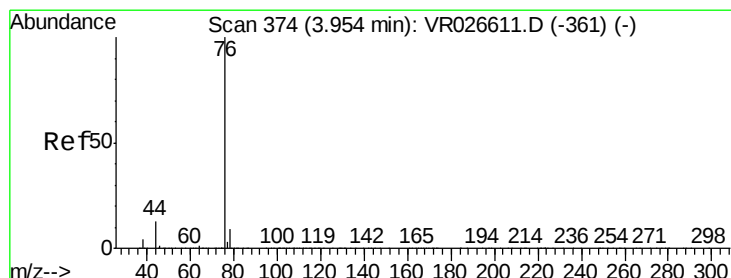
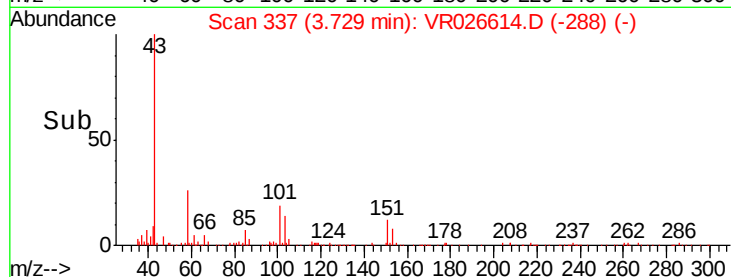
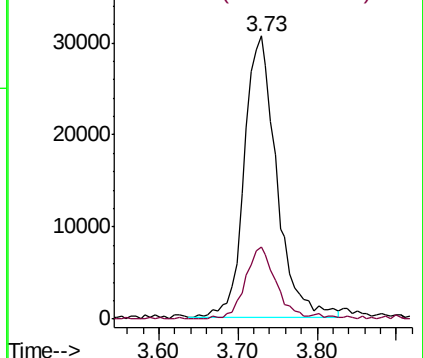
43 100

58 24.1 0.0 46.2



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#14

Carbon disulfide

Concen: 4.707 ug/L

RT: 3.97 min Scan# 377

Delta R.T. 0.02 min

Lab File: VR026614.D

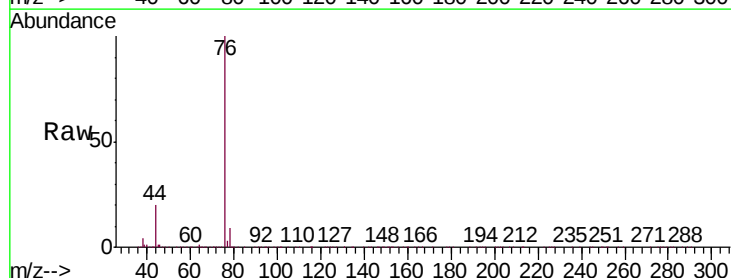
Acq: 10 Sep 2019 18:18

Tgt Ion: 76 Resp: 362132

Ion Ratio Lower Upper

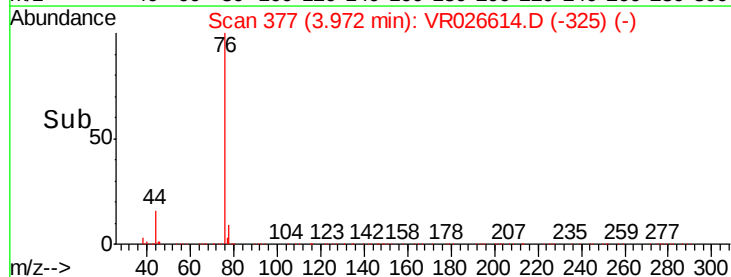
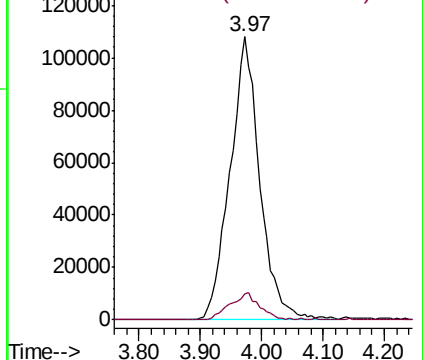
76 100

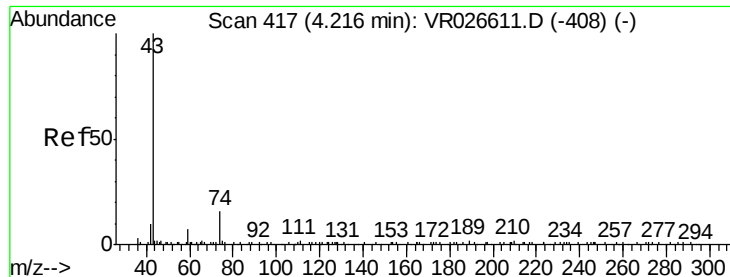
78 9.4 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

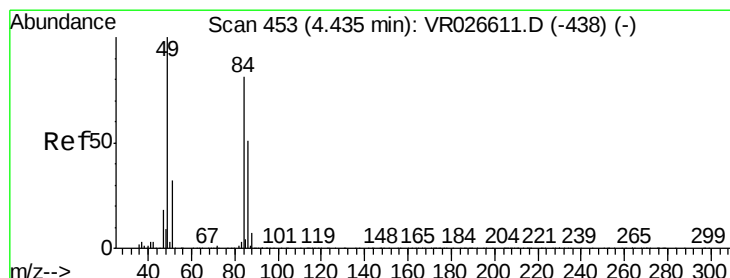
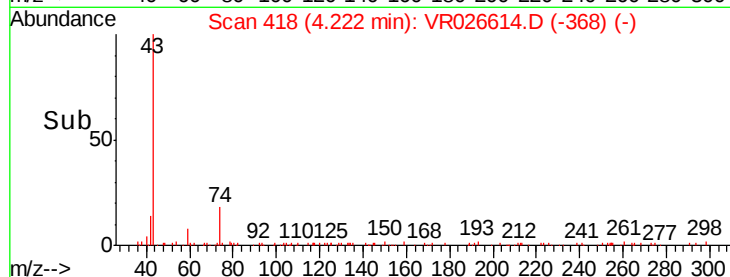
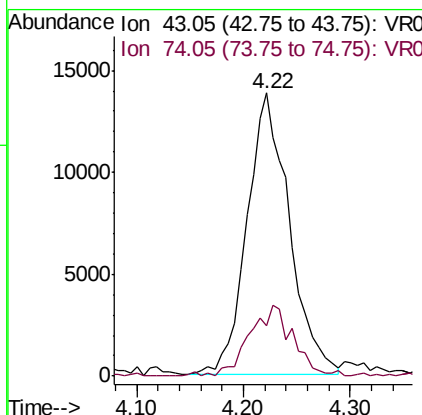
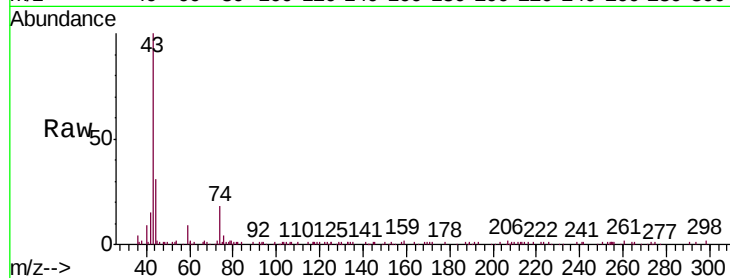




#15
Methyl Acetate
Concen: 4.245 ug/L
RT: 4.22 min Scan# 418
Delta R.T. 0.01 min
Lab File: VR026614.D
Acq: 10 Sep 2019 18:18

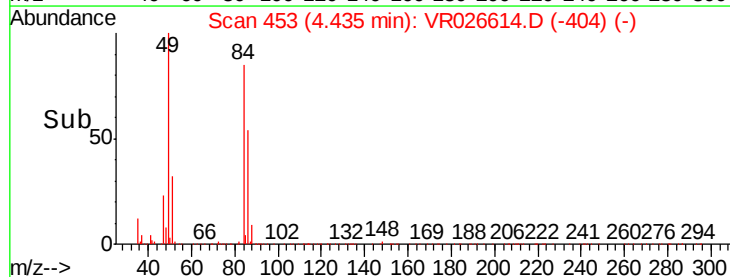
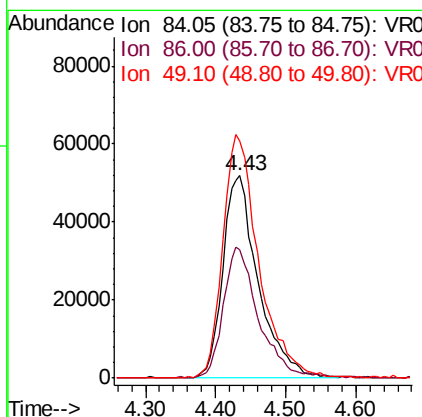
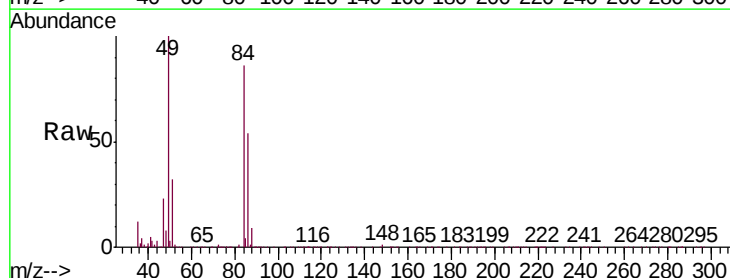
Instrument :
MSVOA_R
ClientSampleId :
VICV61

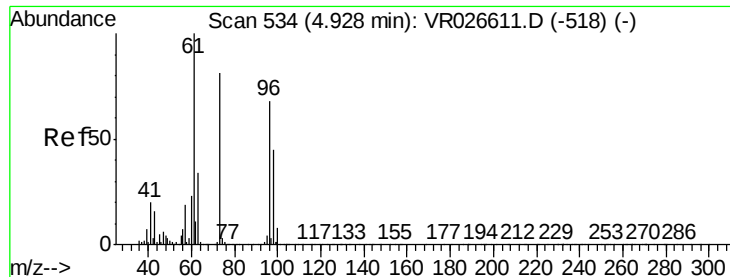
Tgt Ion: 43 Resp: 38338
Ion Ratio Lower Upper
43 100
74 25.7 19.4 29.2



#16
Methylene chloride
Concen: 4.498 ug/L
RT: 4.43 min Scan# 453
Delta R.T. -0.00 min
Lab File: VR026614.D
Acq: 10 Sep 2019 18:18

Tgt Ion: 84 Resp: 181813
Ion Ratio Lower Upper
84 100
86 63.2 43.6 81.0
49 116.9 85.9 159.5





#17

Methyl tert-butyl Ether

Concen: 4.646 ug/L

RT: 4.93 min Scan# 534

Delta R.T. -0.00 min

Lab File: VR026614.D

Acq: 10 Sep 2019 18:18

Instrument :

MSVOA_R

ClientSampleId :

VICV61

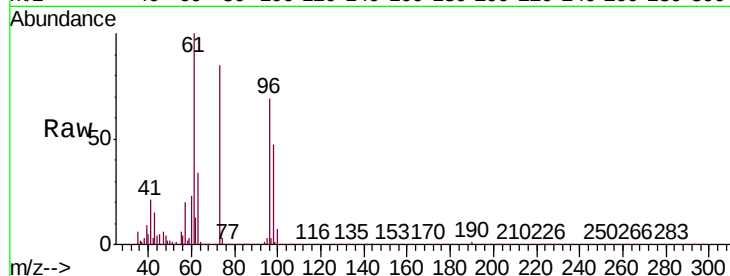
Tgt Ion: 73 Resp: 225259

Ion Ratio Lower Upper

73 100

43 18.3 15.4 23.2

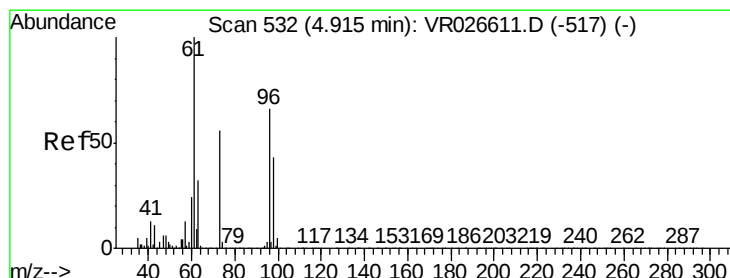
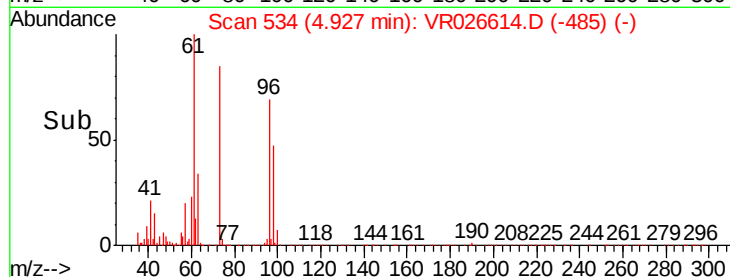
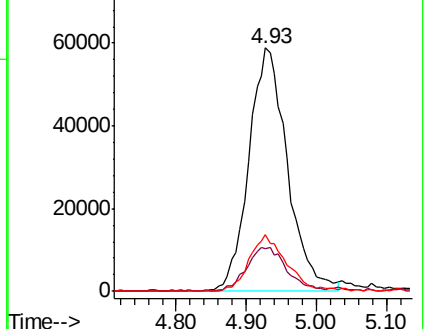
57 22.9 19.0 28.4



Abundance Ion 73.10 (72.80 to 73.80): VR0

Ion 43.05 (42.75 to 43.75): VR0

Ion 57.10 (56.80 to 57.80): VR0



#18

trans-1,2-Dichloroethene

Concen: 4.877 ug/L

RT: 4.92 min Scan# 532

Delta R.T. -0.00 min

Lab File: VR026614.D

Acq: 10 Sep 2019 18:18

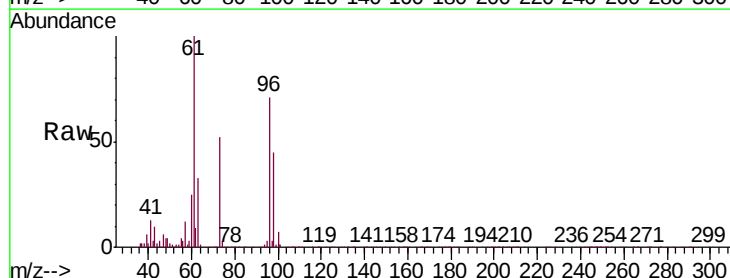
Tgt Ion: 96 Resp: 202502

Ion Ratio Lower Upper

96 100

61 141.1 106.7 198.1

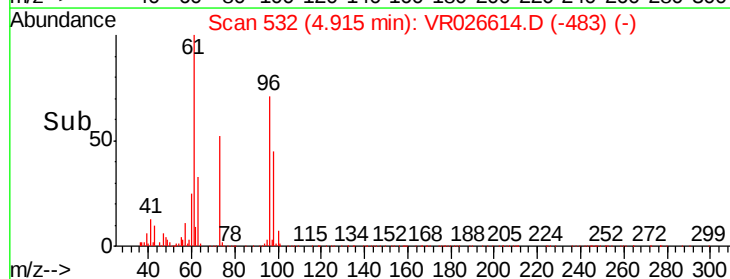
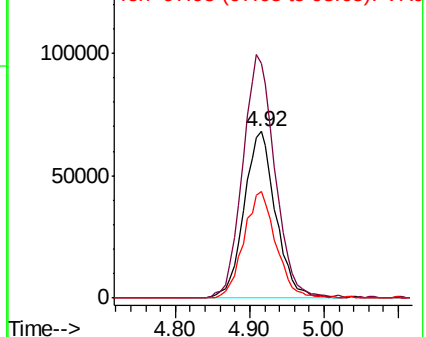
98 63.9 45.4 84.4

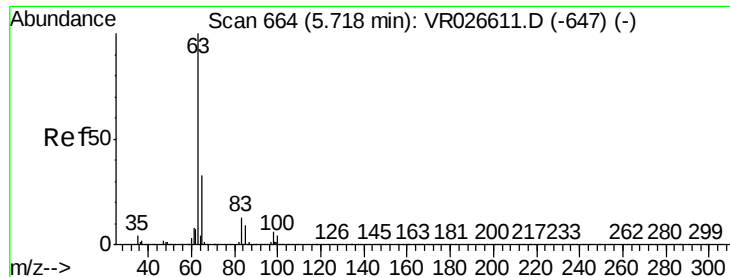


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 97.95 (97.65 to 98.65): VR0

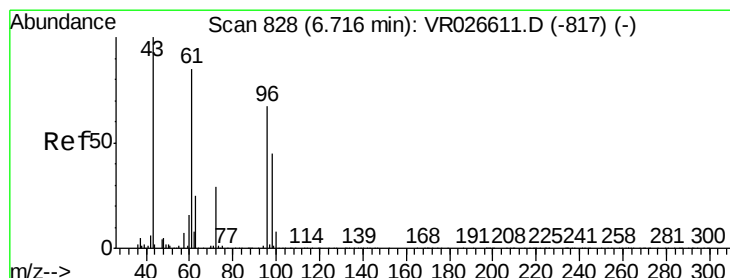
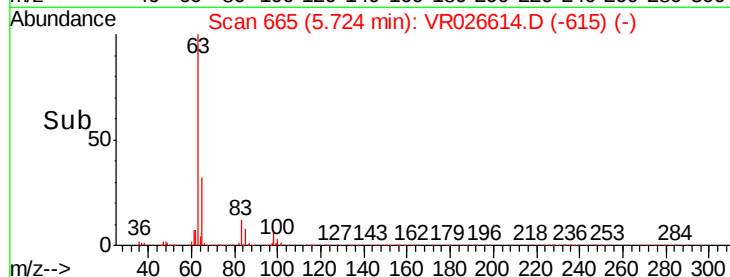
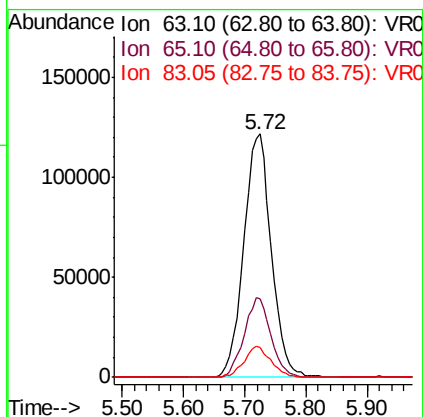
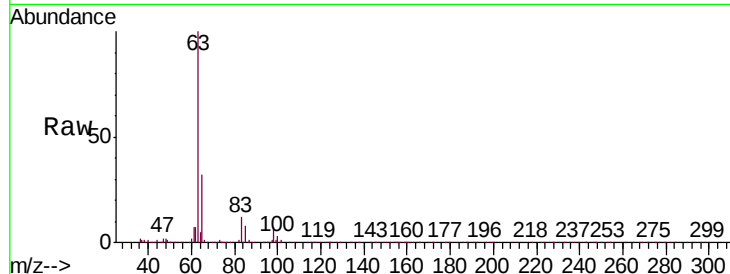




#19
 1,1-Dichloroethane
 Concen: 4.816 ug/L
 RT: 5.72 min Scan# 665
 Delta R.T. 0.01 min
 Lab File: VR026614.D
 Acq: 10 Sep 2019 18:18

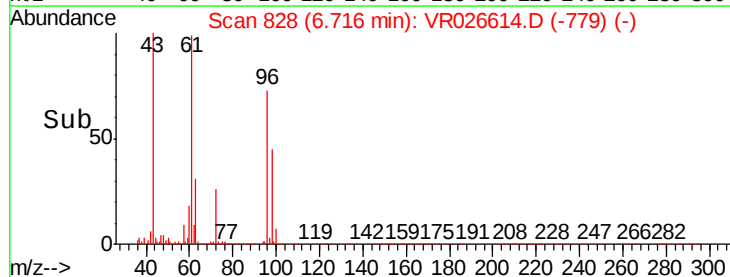
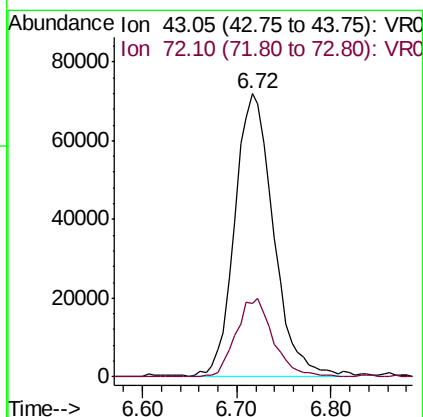
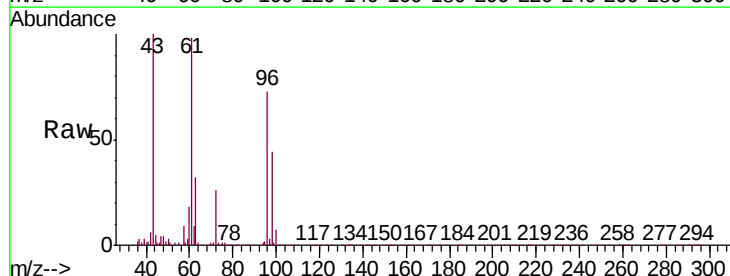
Instrument :
 MSVOA_R
 ClientSampleId :
 VICV61

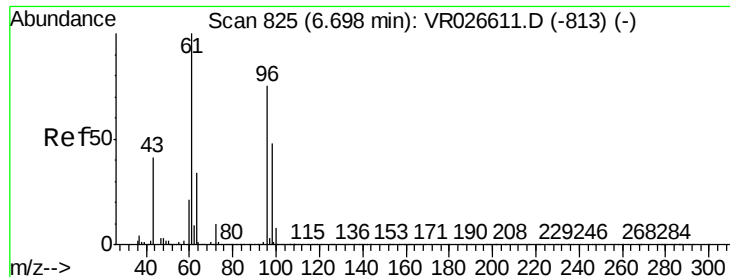
Tgt Ion:	63	Resp:	380585
Ion	Ratio	Lower	Upper
63	100		
65	32.4	23.2	43.0
83	12.3	9.5	17.7



#21
 2-Butanone
 Concen: 48.610 ug/L
 RT: 6.72 min Scan# 828
 Delta R.T. -0.00 min
 Lab File: VR026614.D
 Acq: 10 Sep 2019 18:18

Tgt Ion:	43	Resp:	203931
Ion	Ratio	Lower	Upper
43	100		
72	27.4	14.2	42.6



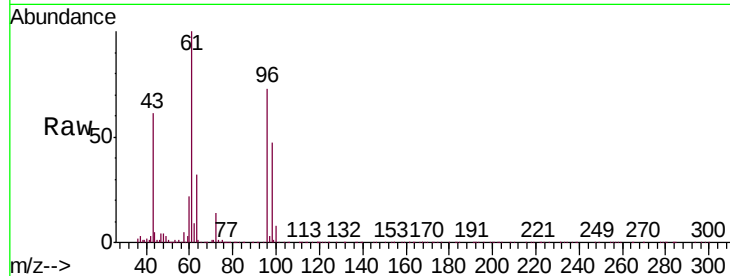


#22

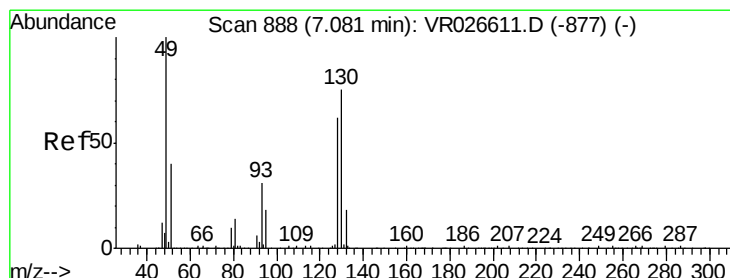
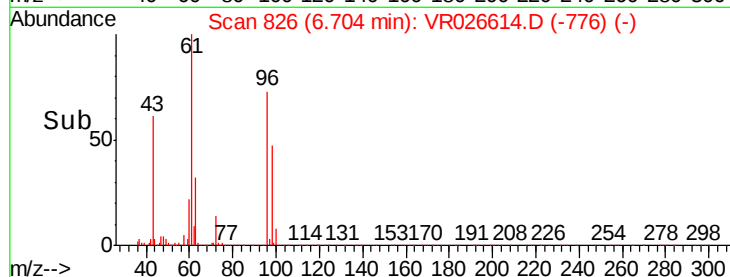
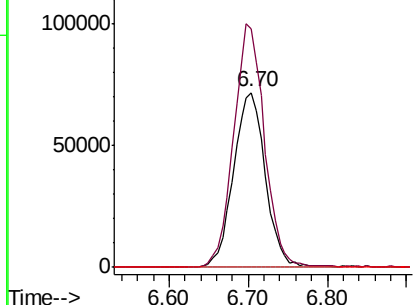
cis-1,2-Dichloroethene
Concen: 4.911 ug/L
RT: 6.70 min Scan# 826
Delta R.T. 0.01 min
Lab File: VR026614.D
Acq: 10 Sep 2019 18:18

Instrument :
MSVOA_R
ClientSampleId :
VICV61

Tgt Ion	Ratio	Lower	Upper
96	100		
61	136.6	94.0	174.6
68	0.1	0.1	0.1



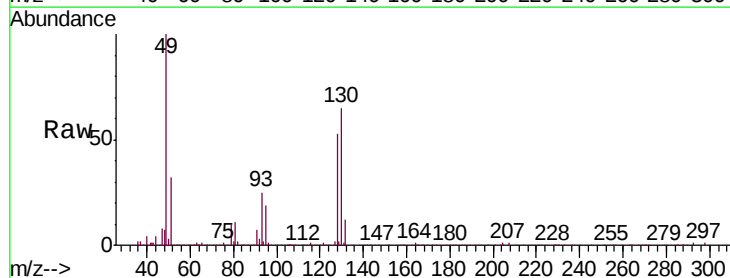
Abundance Ion 96.00 (95.70 to 96.70): VR0
Ion 61.05 (60.75 to 61.75): VR0
Ion 68.15 (67.85 to 68.85): VR0



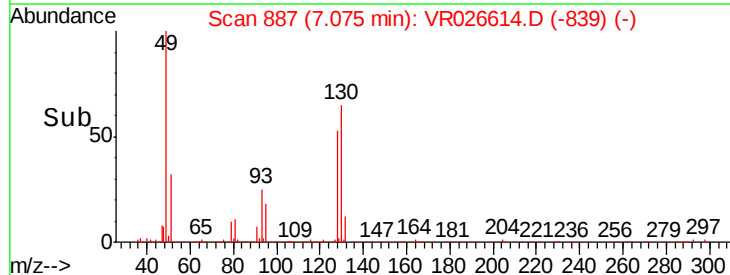
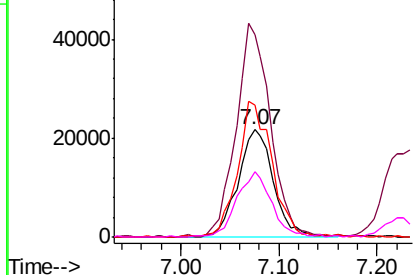
#23

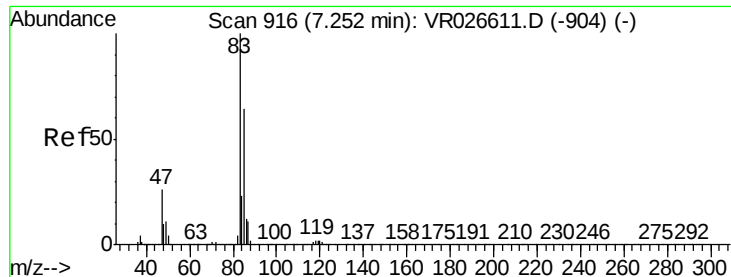
Bromochloromethane
Concen: 4.926 ug/L
RT: 7.07 min Scan# 887
Delta R.T. -0.01 min
Lab File: VR026614.D
Acq: 10 Sep 2019 18:18

Tgt Ion	Ratio	Lower	Upper
128	100		
49	188.0	113.2	210.2
130	123.1	84.1	156.1
51	60.7	51.1	76.7



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: 4.581 ug/L

RT: 7.26 min Scan# 917

Delta R.T. 0.01 min

Lab File: VR026614.D

Acq: 10 Sep 2019 18:18

Instrument :

MSVOA_R

ClientSampled :

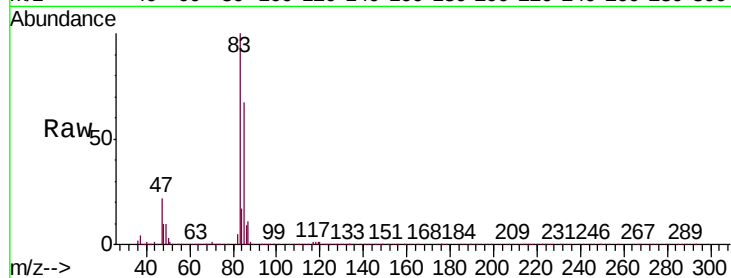
VICV61

Tgt Ion: 83 Resp: 333351

Ion Ratio Lower Upper

83 100

85 67.2 44.5 82.7



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0

7.26

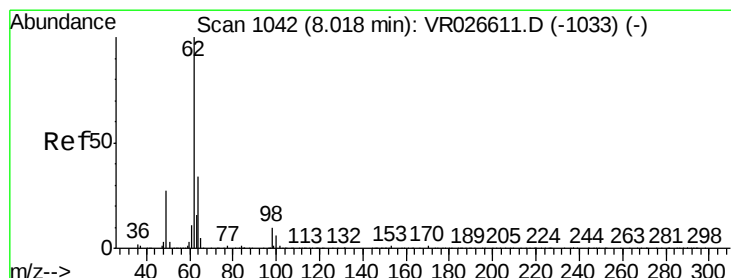
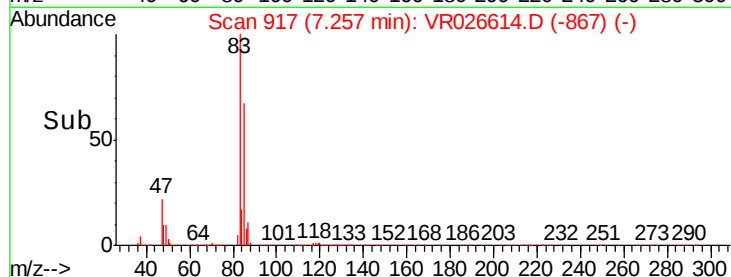
150000

100000

50000

0

Time--> 7.10 7.20 7.30 7.40



#27

1,2-Dichloroethane

Concen: 4.623 ug/L

RT: 8.01 min Scan# 1041

Delta R.T. -0.01 min

Lab File: VR026614.D

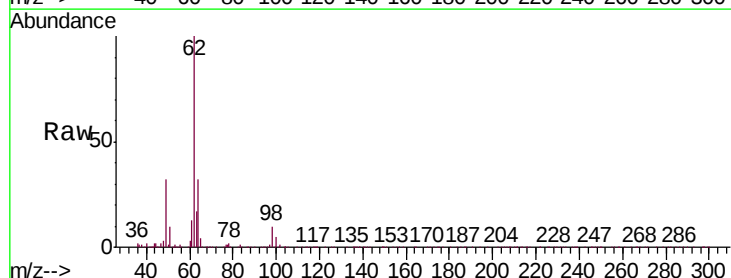
Acq: 10 Sep 2019 18:18

Tgt Ion: 62 Resp: 123059

Ion Ratio Lower Upper

62 100

98 9.8 7.8 11.8



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0

8.01

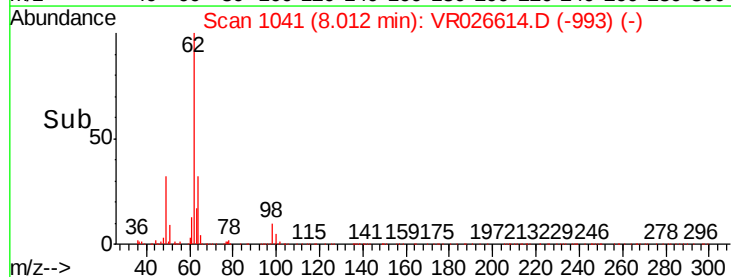
60000

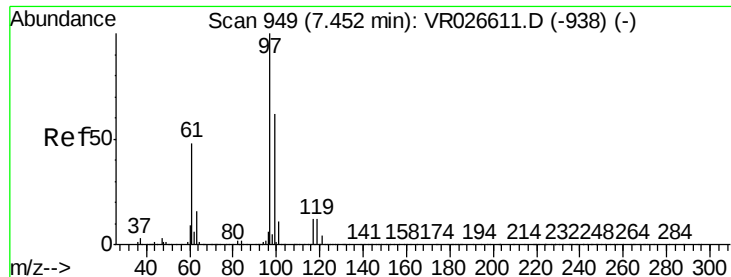
40000

20000

0

Time--> 7.90 7.95 8.00 8.05 8.10

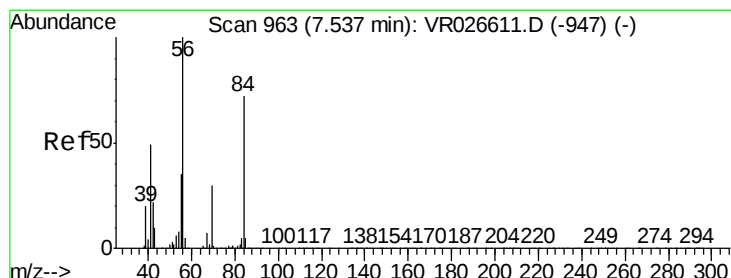
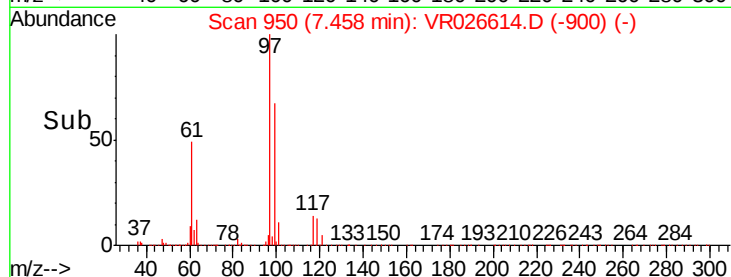
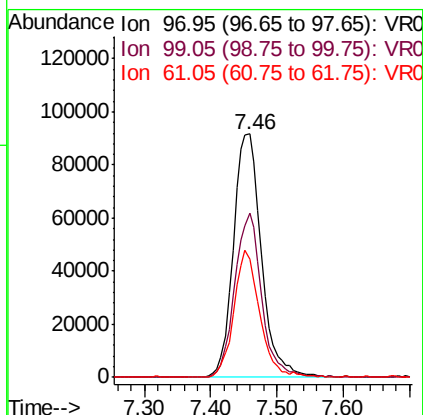
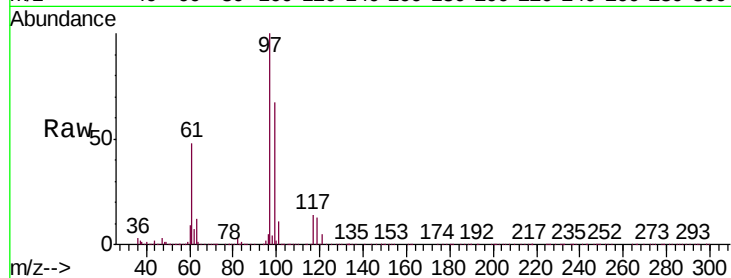




#29
 1,1,1-Trichloroethane
 Concen: 4.901 ug/L
 RT: 7.46 min Scan# 950
 Delta R.T. 0.01 min
 Lab File: VR026614.D
 Acq: 10 Sep 2019 18:18

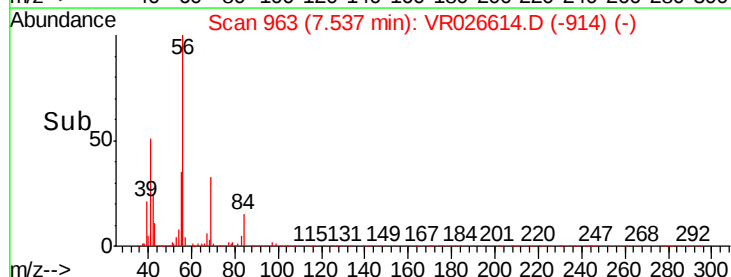
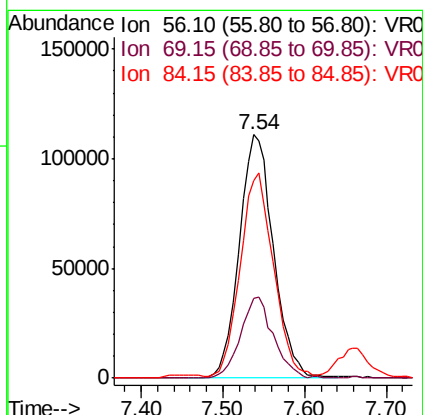
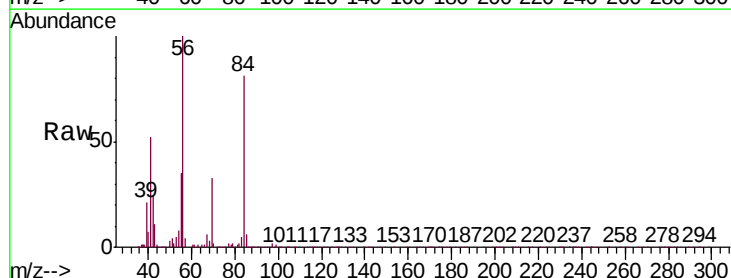
Instrument :
 MSVOA_R
 ClientSampleId :
 VICV61

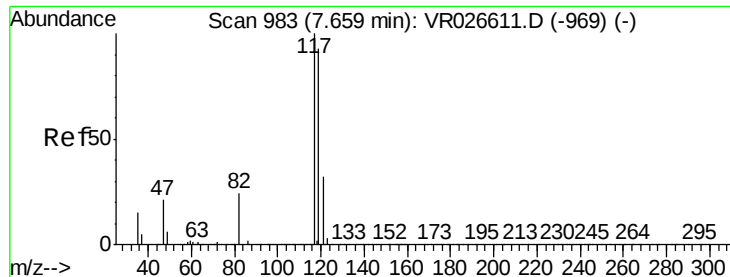
Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	50.8	76.2
61	47.6	39.2	58.8



#30
 Cyclohexane
 Concen: 4.923 ug/L
 RT: 7.54 min Scan# 963
 Delta R.T. -0.00 min
 Lab File: VR026614.D
 Acq: 10 Sep 2019 18:18

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.0	25.0	37.4
84	82.2	63.6	95.4





#31

Carbon tetrachloride

Concen: 4.760 ug/L

RT: 7.66 min Scan# 983

Delta R.T. -0.00 min

Lab File: VR026614.D

Acq: 10 Sep 2019 18:18

Instrument :

MSVOA_R

ClientSampleId :

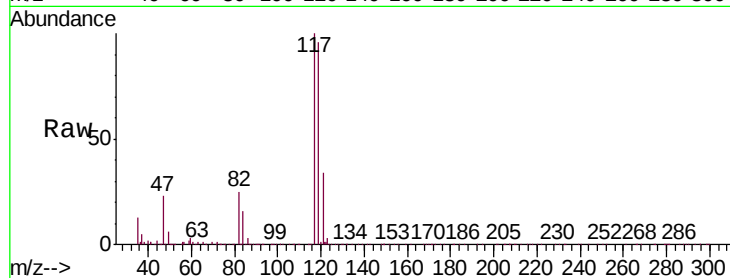
VICV61

Tgt Ion:117 Resp: 216849

Ion Ratio Lower Upper

117 100

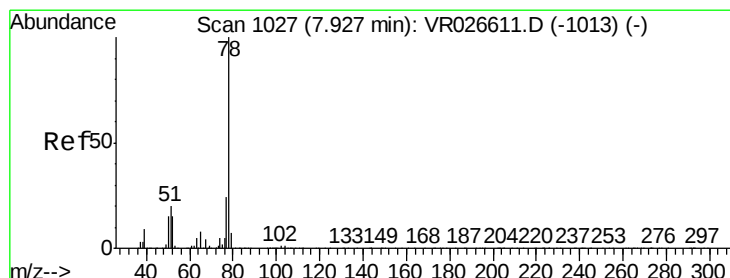
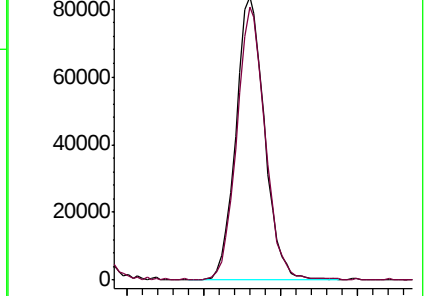
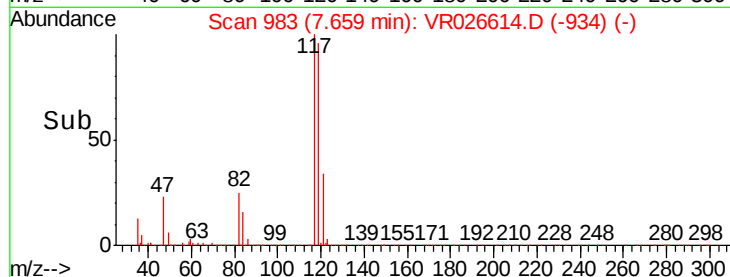
119 95.0 76.7 115.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

7.66



#33

Benzene

Concen: 4.872 ug/L

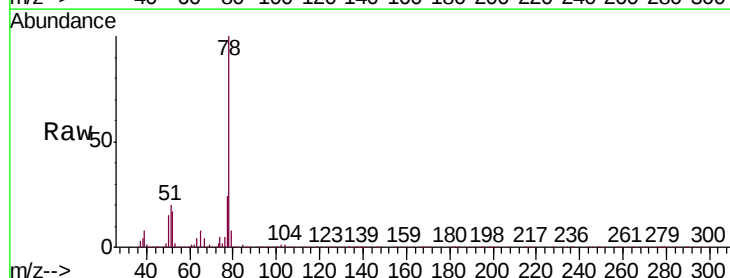
RT: 7.93 min Scan# 1027

Delta R.T. -0.00 min

Lab File: VR026614.D

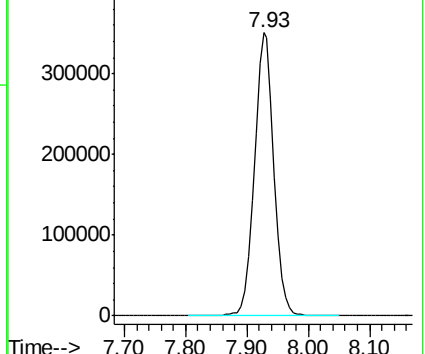
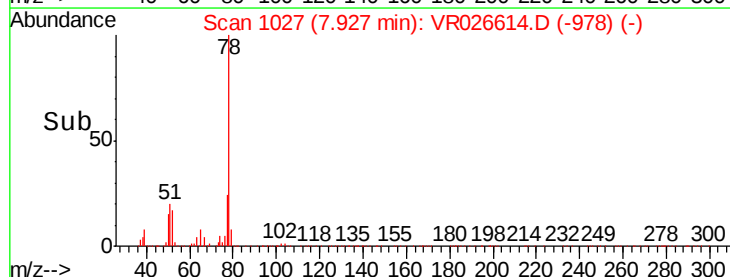
Acq: 10 Sep 2019 18:18

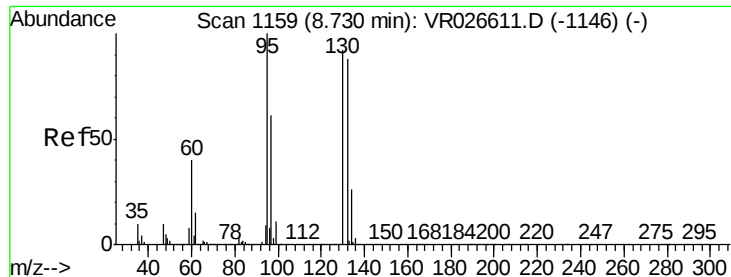
Tgt Ion: 78 Resp: 782264



Abundance Ion 78.10 (77.80 to 78.80): VR0

7.93





#34

Trichloroethene

Concen: 4.704 ug/L

RT: 8.73 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VR026614.D

Acq: 10 Sep 2019 18:18

Instrument :

MSVOA_R

ClientSampled :

VICV61

Tgt Ion: 95 Resp: 186521

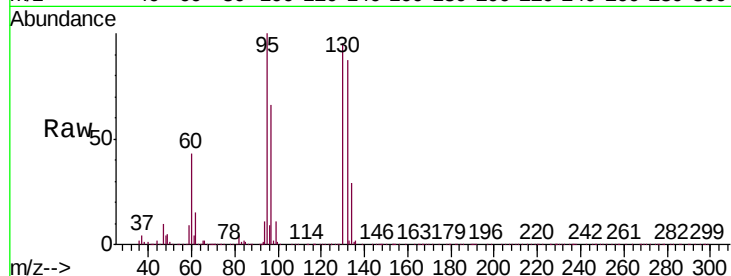
Ion Ratio Lower Upper

95 100

97 65.7 42.8 79.4

132 87.2 61.5 114.1

130 94.9 64.5 119.7

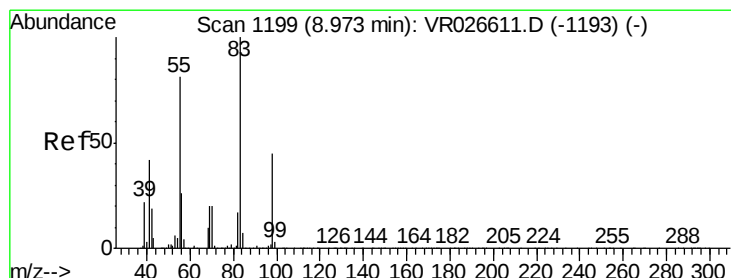
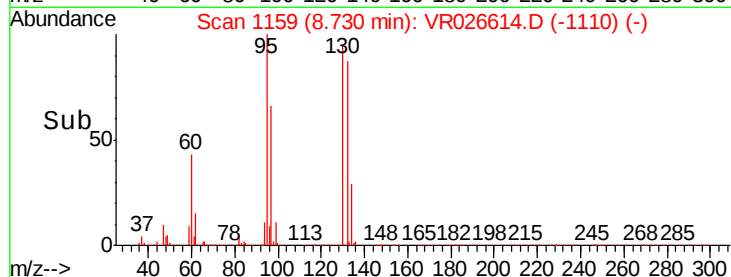
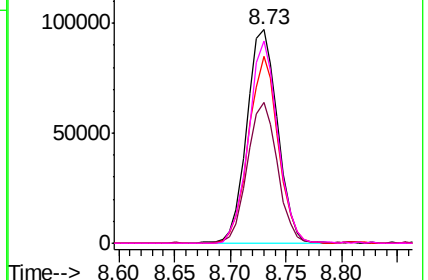


Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.874 ug/L

RT: 8.97 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VR026614.D

Acq: 10 Sep 2019 18:18

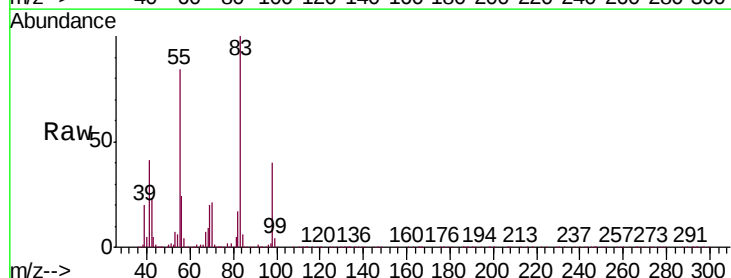
Tgt Ion: 83 Resp: 290903

Ion Ratio Lower Upper

83 100

55 84.3 65.0 97.6

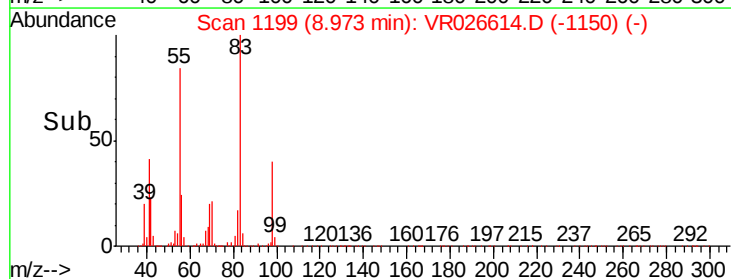
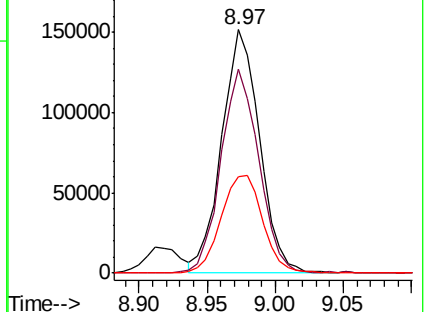
98 44.7 35.8 53.8

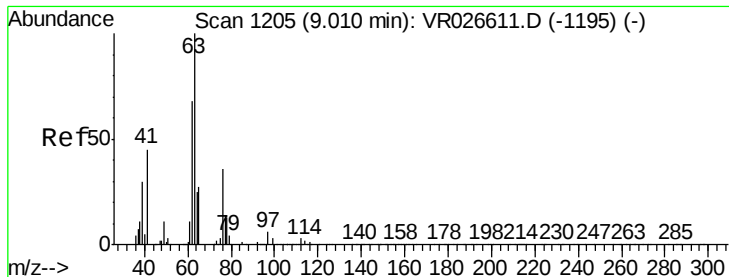


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 4.813 ug/L

RT: 9.02 min Scan# 1206

Delta R.T. 0.01 min

Lab File: VR026614.D

Acq: 10 Sep 2019 18:18

Instrument :

MSVOA_R

ClientSampleId :

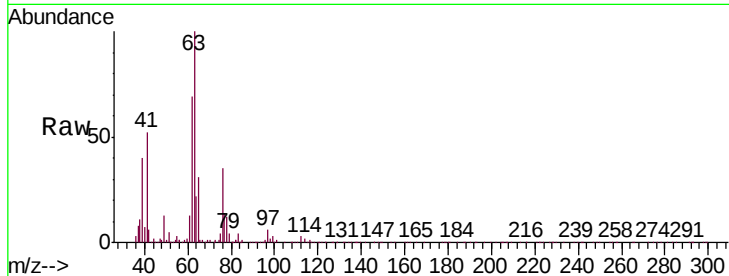
VICV61

Tgt Ion: 63 Resp: 154393

Ion Ratio Lower Upper

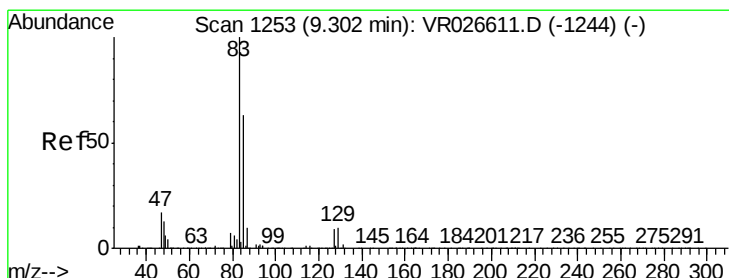
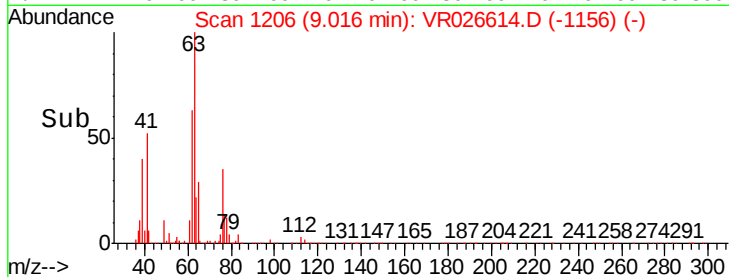
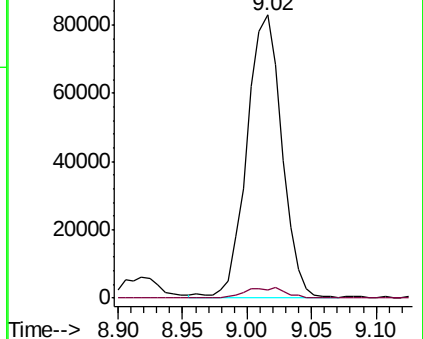
63 100

112 4.2 2.9 4.3



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 112.10 (111.80 to 112.80): V



#38

Bromodichloromethane

Concen: 4.714 ug/L

RT: 9.30 min Scan# 1253

Delta R.T. -0.00 min

Lab File: VR026614.D

Acq: 10 Sep 2019 18:18

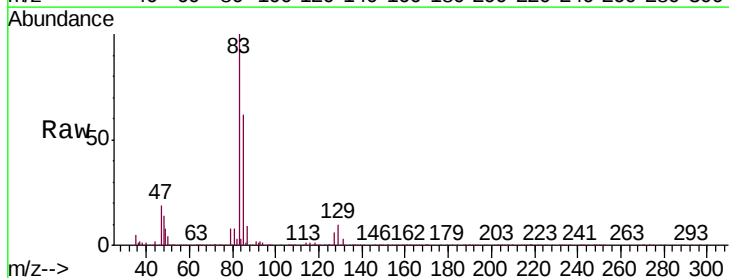
Tgt Ion: 83 Resp: 156083

Ion Ratio Lower Upper

83 100

85 61.7 44.0 81.6

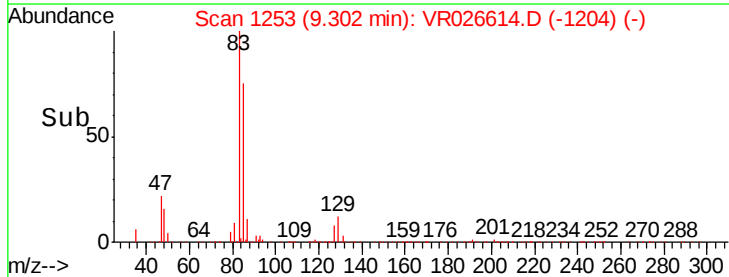
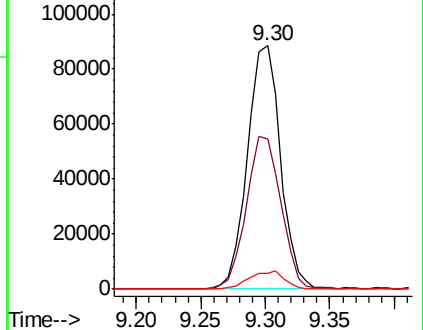
127 6.5 6.9 10.3#

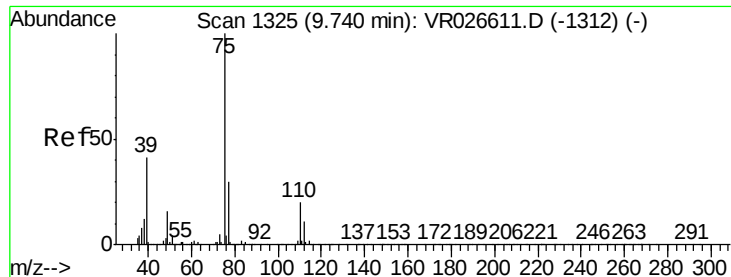


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 126.90 (126.60 to 127.60): V





#39

cis-1,3-Dichloropropene

Concen: 4.843 ug/L

RT: 9.73 min Scan# 1324

Delta R.T. -0.01 min

Lab File: VR026614.D

Acq: 10 Sep 2019 18:18

Instrument :

MSVOA_R

ClientSampleId :

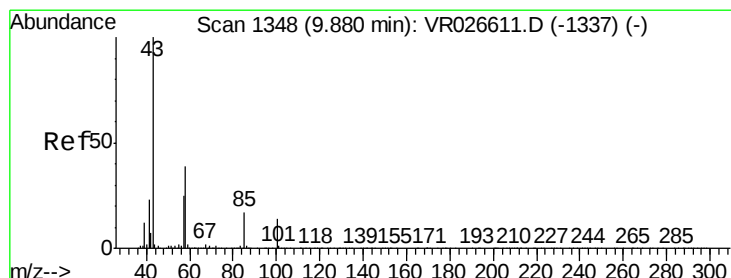
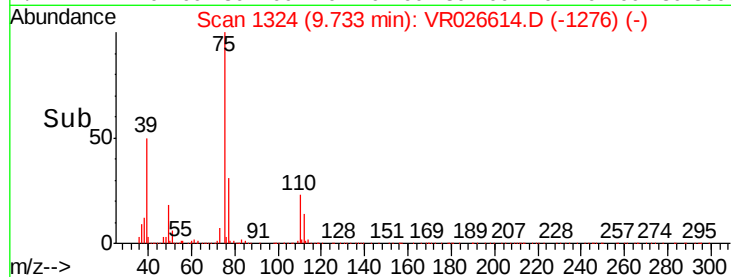
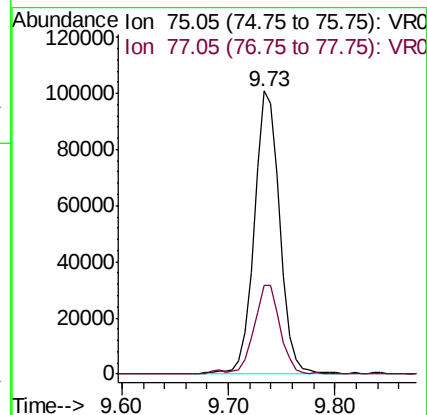
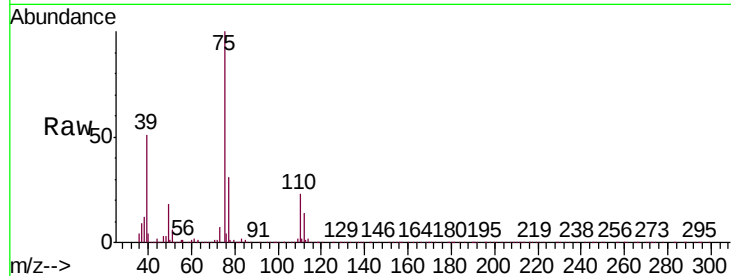
VICV61

Tgt Ion: 75 Resp: 168913

Ion Ratio Lower Upper

75 100

77 31.2 21.0 39.0



#40

4-Methyl-2-pentanone

Concen: 49.264 ug/L

RT: 9.88 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VR026614.D

Acq: 10 Sep 2019 18:18

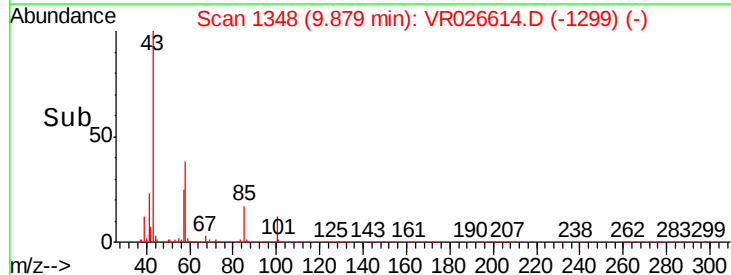
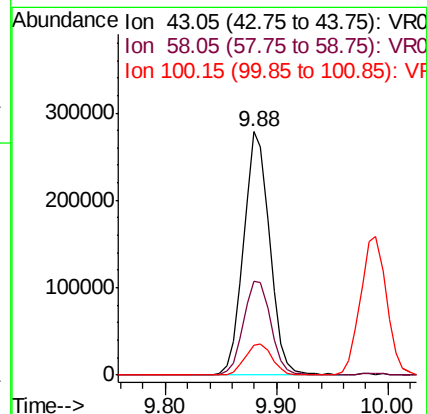
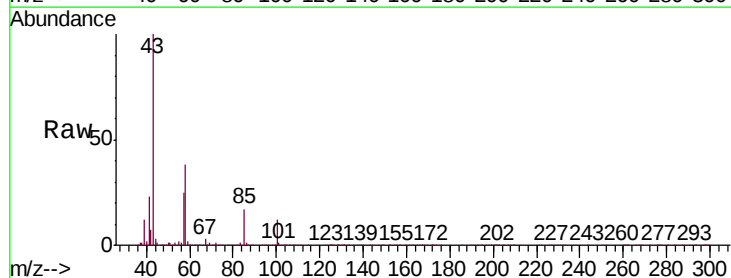
Tgt Ion: 43 Resp: 451623

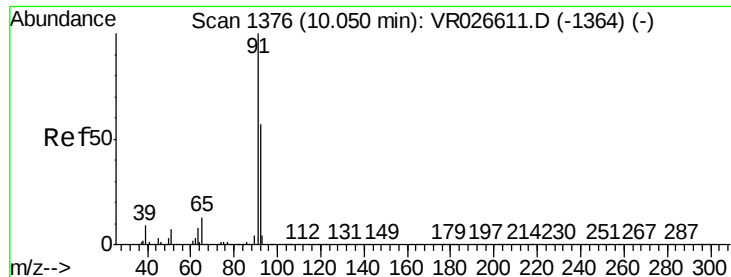
Ion Ratio Lower Upper

43 100

58 40.5 31.6 47.4

100 13.3 11.4 17.0





#42

Toluene

Concen: 4.911 ug/L

RT: 10.05 min Scan# 1376

Delta R.T. -0.00 min

Lab File: VR026614.D

Acq: 10 Sep 2019 18:18

Instrument :

MSVOA_R

ClientSampled :

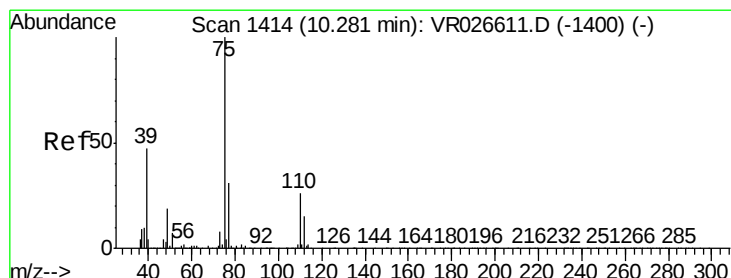
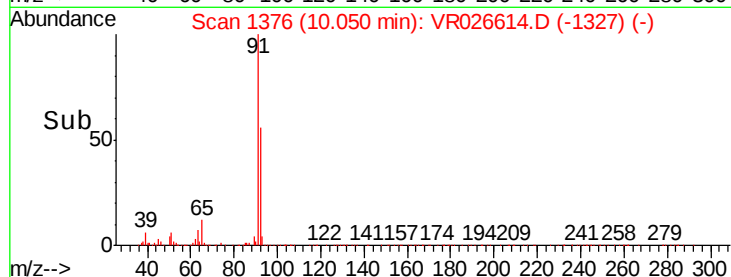
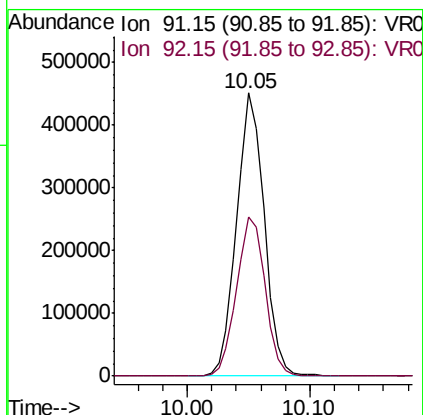
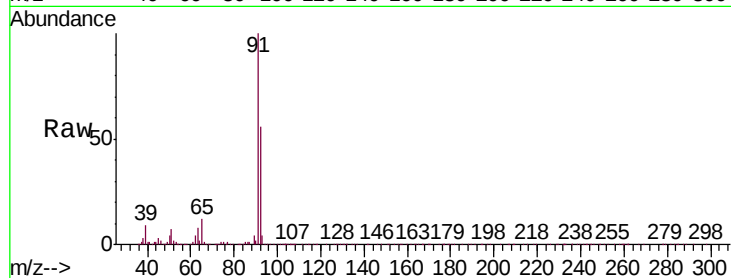
VICV61

Tgt Ion: 91 Resp: 705498

Ion Ratio Lower Upper

91 100

92 56.1 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 5.009 ug/L

RT: 10.28 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VR026614.D

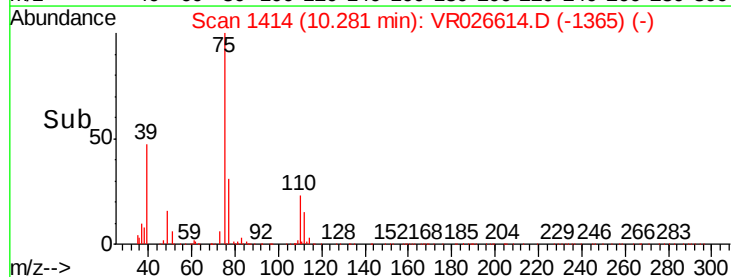
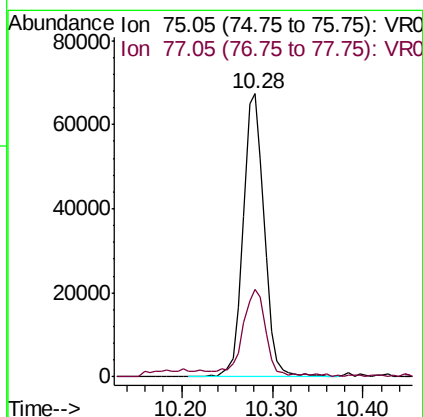
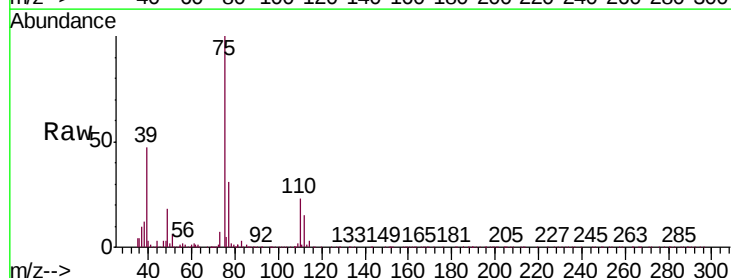
Acq: 10 Sep 2019 18:18

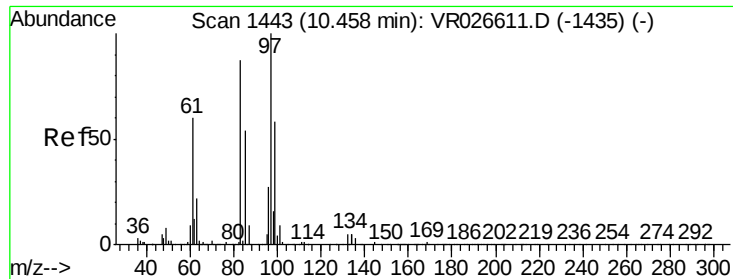
Tgt Ion: 75 Resp: 108528

Ion Ratio Lower Upper

75 100

77 31.1 24.3 45.1

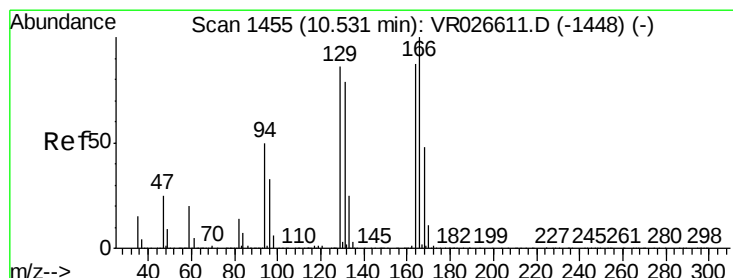
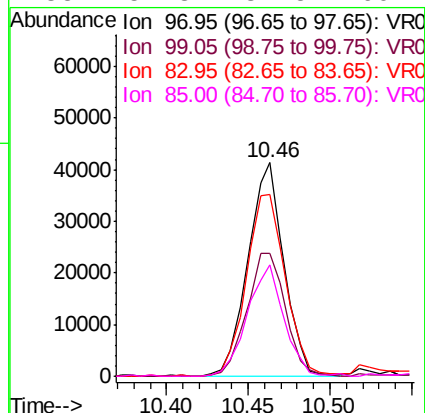
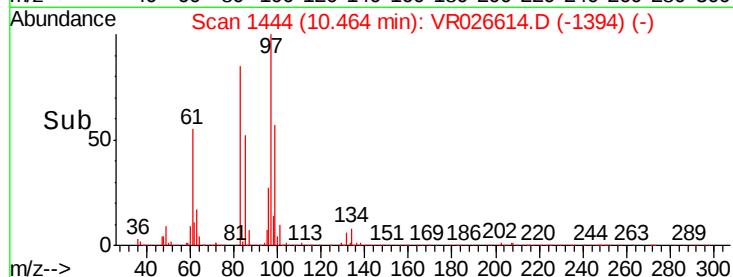
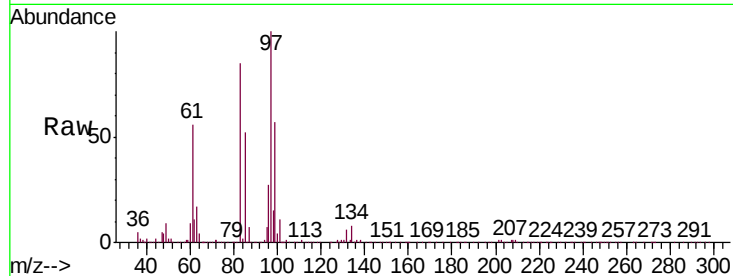




#45
1,1,2-Trichloroethane
Concen: 4.727 ug/L
RT: 10.46 min Scan# 1444
Delta R.T. 0.01 min
Lab File: VR026614.D
Acq: 10 Sep 2019 18:18

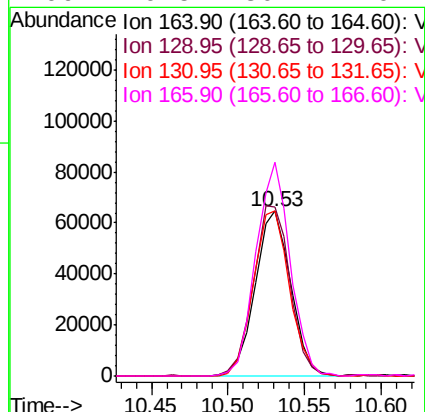
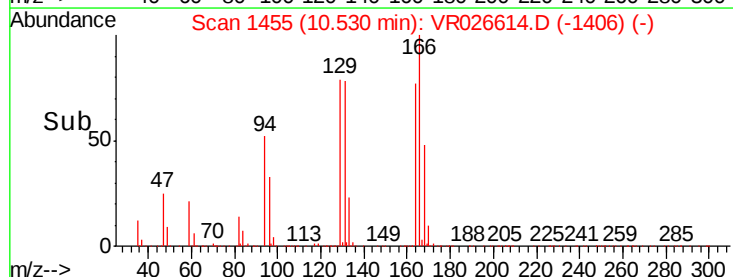
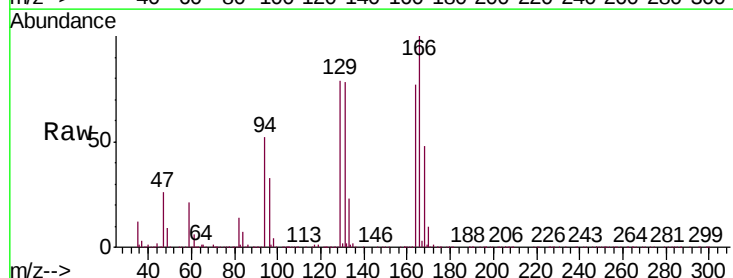
Instrument :
MSVOA_R
ClientSampleId :
VICV61

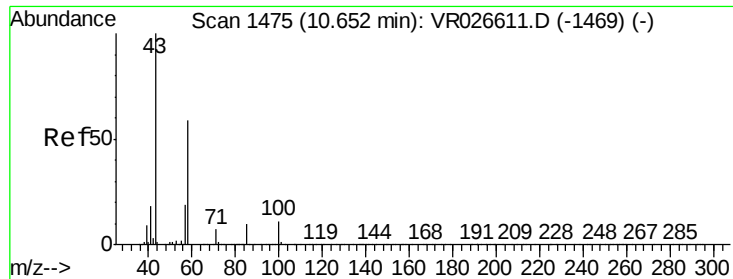
Tgt Ion:	97	Resp:	63350
Ion	Ratio	Lower	Upper
97	100		
99	57.3	40.4	75.0
83	85.0	61.2	113.8
85	52.3	37.5	69.7



#47
Tetrachloroethene
Concen: 4.688 ug/L
RT: 10.53 min Scan# 1455
Delta R.T. -0.00 min
Lab File: VR026614.D
Acq: 10 Sep 2019 18:18

Tgt Ion:	164	Resp:	104560
Ion	Ratio	Lower	Upper
164	100		
129	102.5	69.4	128.8
131	100.5	63.6	118.0
166	129.5	80.4	149.2

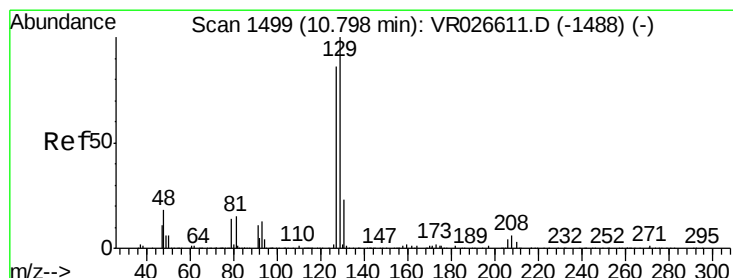
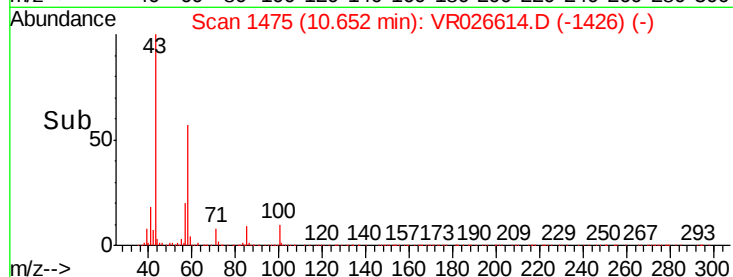
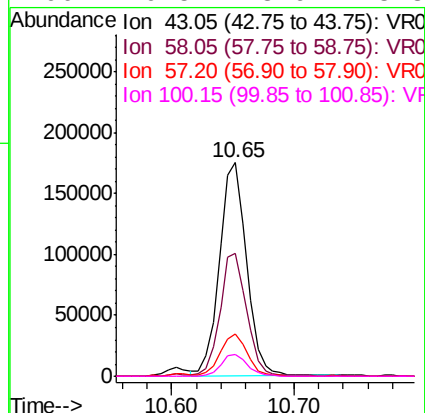
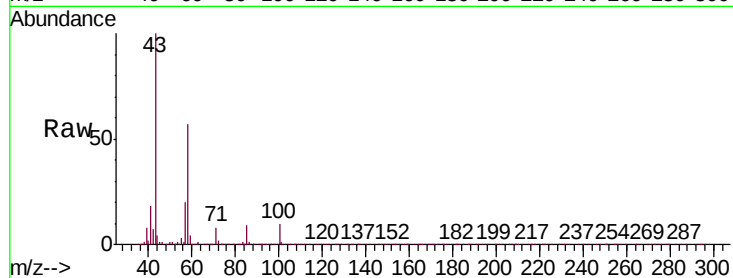




#48
2-Hexanone
Concen: 49.760 ug/L
RT: 10.65 min Scan# 1475
Delta R.T. -0.00 min
Lab File: VR026614.D
Acq: 10 Sep 2019 18:18

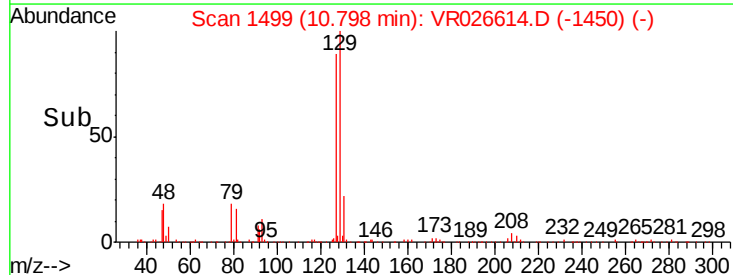
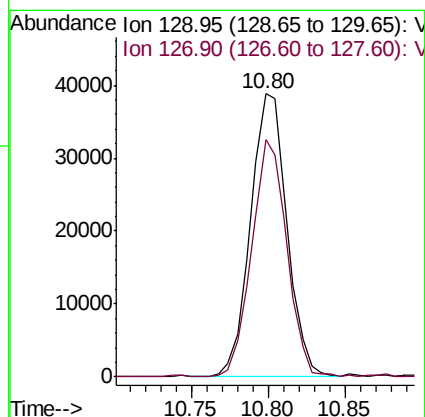
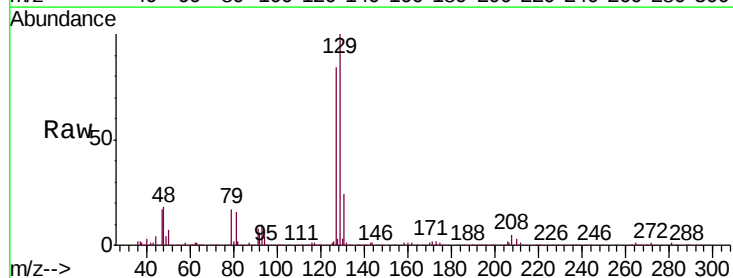
Instrument :
MSVOA_R
ClientSampleId :
VICV61

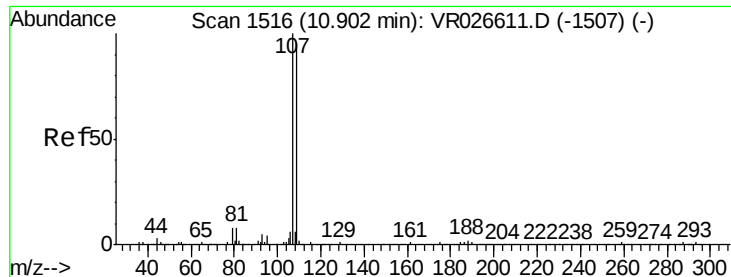
Tgt Ion:	43	Resp:	271206
Ion	Ratio	Lower	Upper
43	100		
58	57.3	46.0	69.0
57	19.8	16.1	24.1
100	10.5	8.9	13.3



#49
Dibromochloromethane
Concen: 4.598 ug/L
RT: 10.80 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VR026614.D
Acq: 10 Sep 2019 18:18

Tgt Ion:	129	Resp:	64248
Ion	Ratio	Lower	Upper
129	100		
127	83.9	59.9	111.3

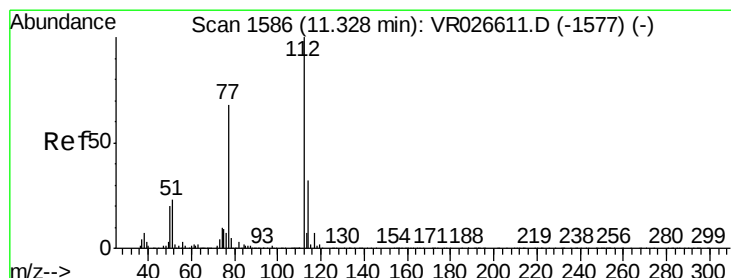
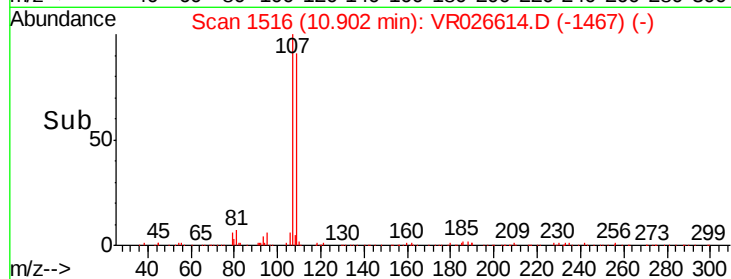
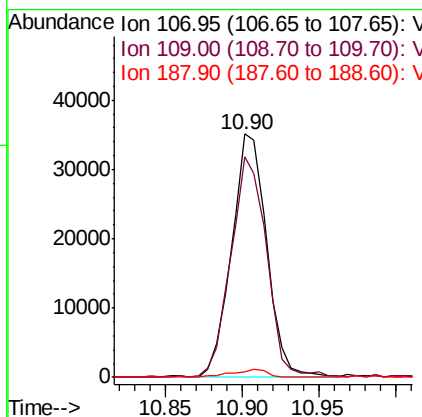
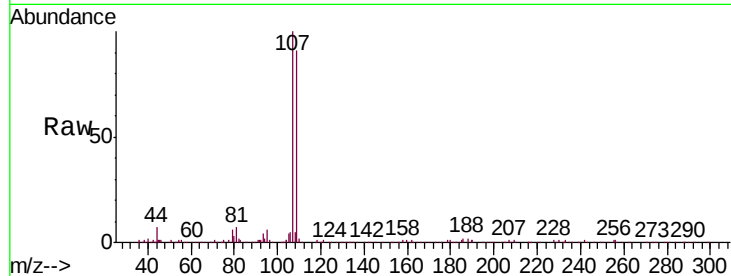




#50
1,2-Dibromoethane
Concen: 4.939 ug/L
RT: 10.90 min Scan# 1516
Delta R.T. -0.00 min
Lab File: VR026614.D
Acq: 10 Sep 2019 18:18

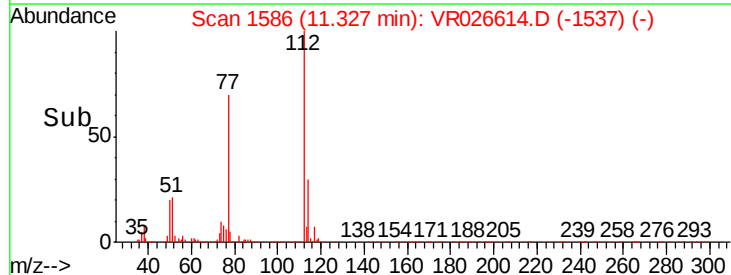
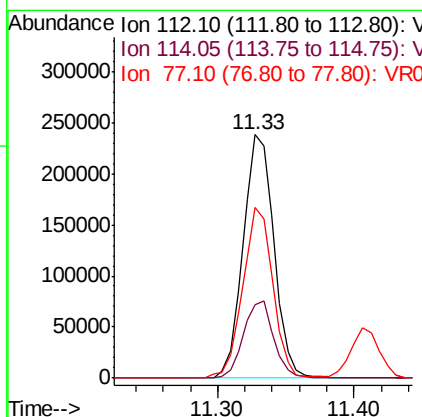
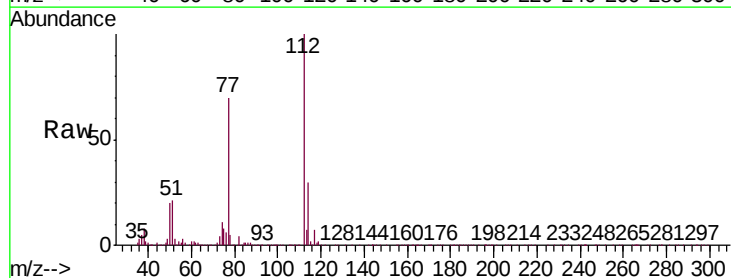
Instrument :
MSVOA_R
ClientSampleId :
VICV61

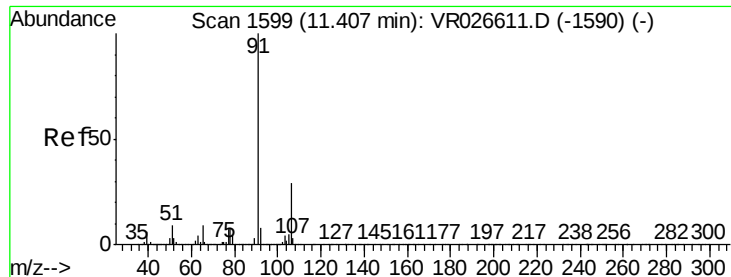
Tgt Ion:107 Resp: 55451
Ion Ratio Lower Upper
107 100
109 90.7 66.8 124.2
188 2.1 1.9 2.9



#51
Chlorobenzene
Concen: 4.857 ug/L
RT: 11.33 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VR026614.D
Acq: 10 Sep 2019 18:18

Tgt Ion:112 Resp: 376210
Ion Ratio Lower Upper
112 100
114 30.4 22.7 42.3
77 70.1 54.3 81.5





#52

Ethylbenzene

Concen: 4.896 ug/L

RT: 11.41 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VR026614.D

Acq: 10 Sep 2019 18:18

Instrument :

MSVOA_R

ClientSampleId :

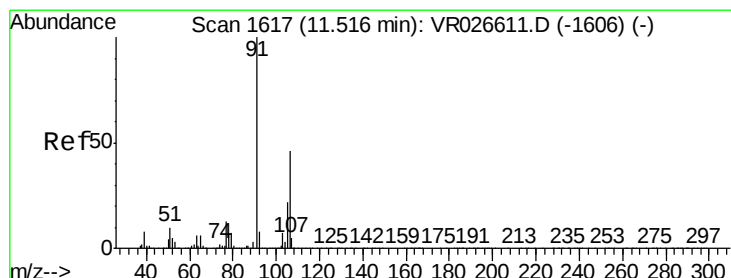
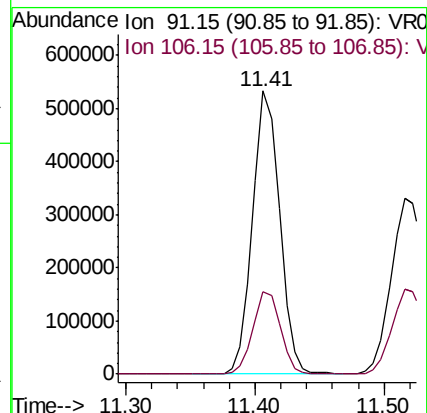
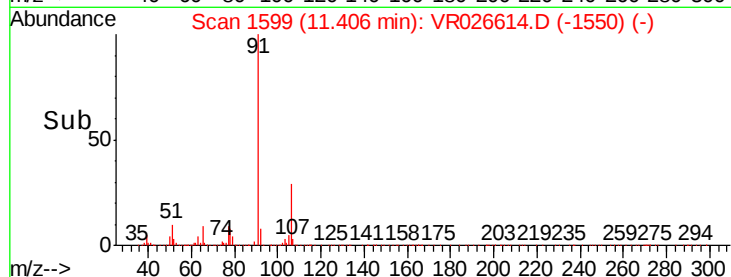
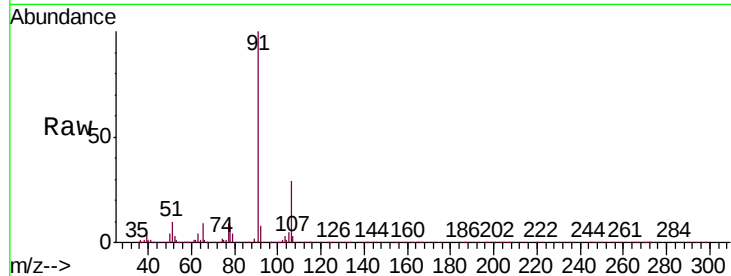
VICV61

Tgt Ion: 91 Resp: 770751

Ion Ratio Lower Upper

91 100

106 29.0 20.6 38.2



#53

m,p-Xylene

Concen: 4.962 ug/L

RT: 11.52 min Scan# 1617

Delta R.T. -0.00 min

Lab File: VR026614.D

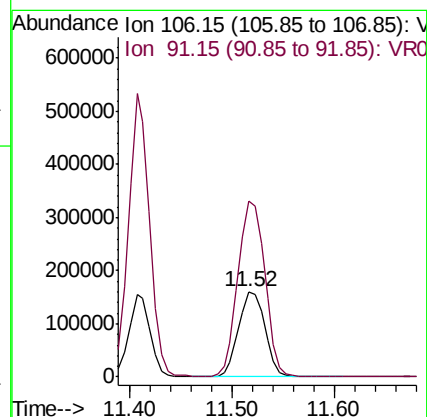
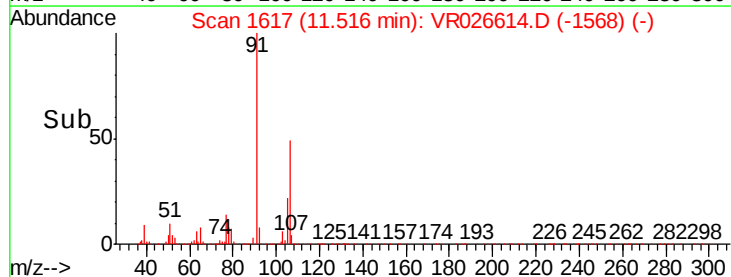
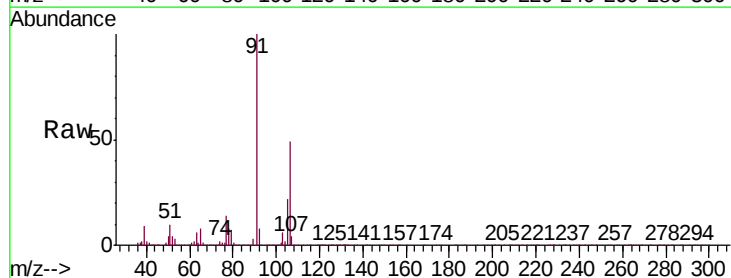
Acq: 10 Sep 2019 18:18

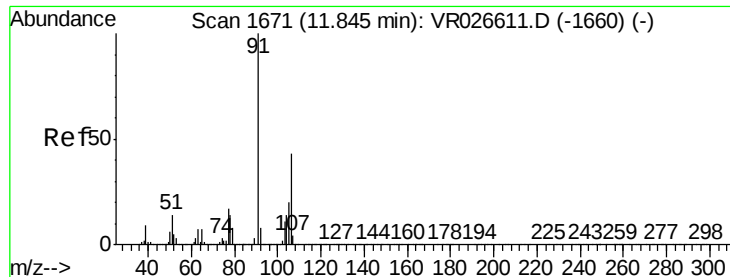
Tgt Ion: 106 Resp: 286053

Ion Ratio Lower Upper

106 100

91 205.9 151.8 282.0

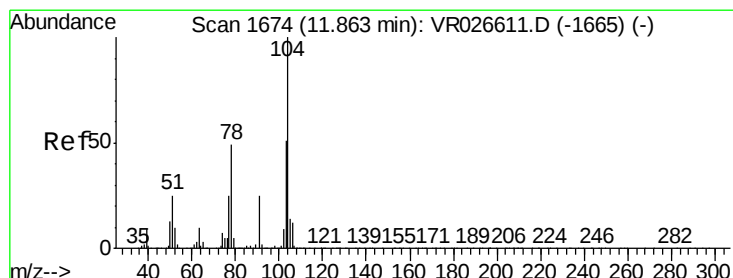
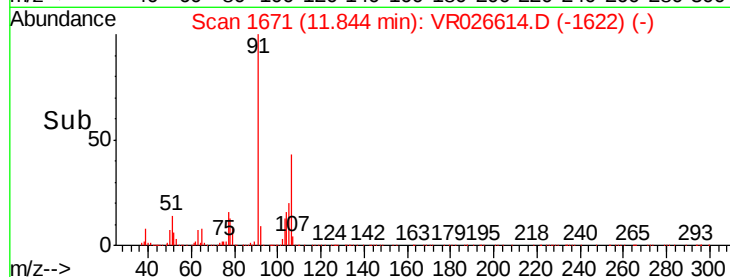
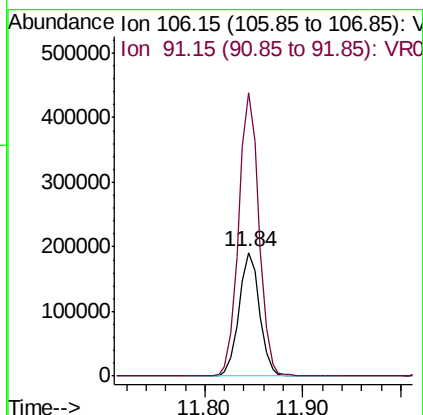
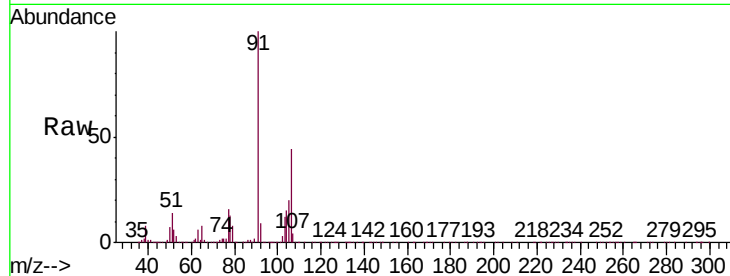




#54
o-Xylene
Concen: 4.961 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR026614.D
Acq: 10 Sep 2019 18:18

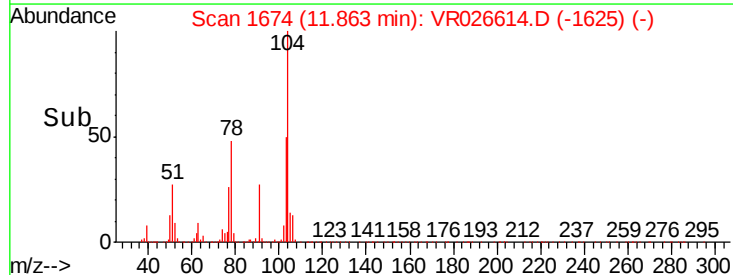
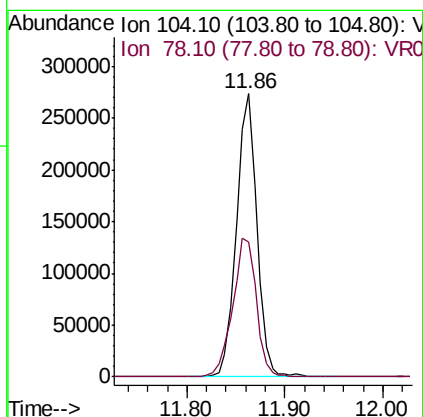
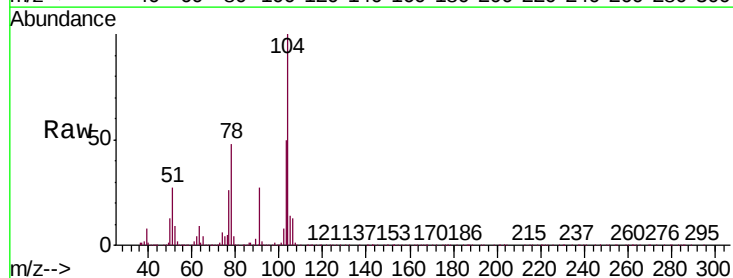
Instrument :
MSVOA_R
ClientSampleId :
VICV61

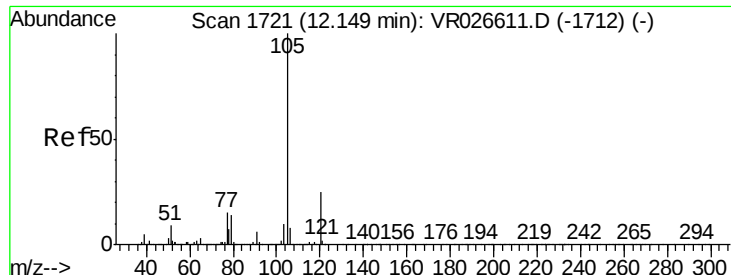
Tgt Ion:106 Resp: 278374
Ion Ratio Lower Upper
106 100
91 228.5 161.3 299.5



#55
Styrene
Concen: 5.130 ug/L
RT: 11.86 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VR026614.D
Acq: 10 Sep 2019 18:18

Tgt Ion:104 Resp: 396934
Ion Ratio Lower Upper
104 100
78 47.8 34.3 63.7





#56

Isopropylbenzene

Concen: 5.005 ug/L

RT: 12.15 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VR026614.D

Acq: 10 Sep 2019 18:18

Instrument :

MSVOA_R

ClientSampleId :

VICV61

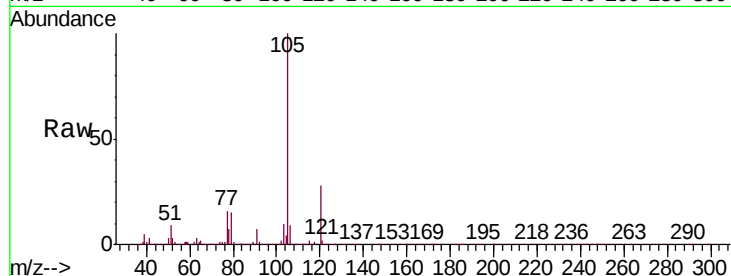
Tgt Ion: 105 Resp: 781387

Ion Ratio Lower Upper

105 100

120 26.4 20.7 31.1

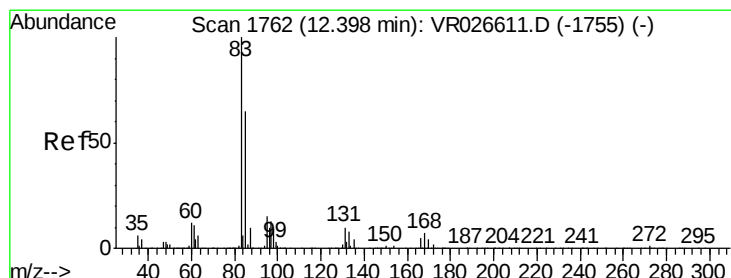
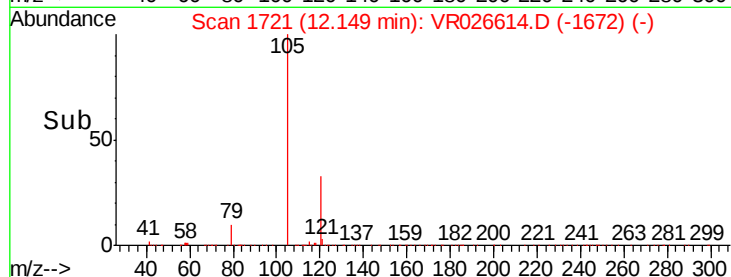
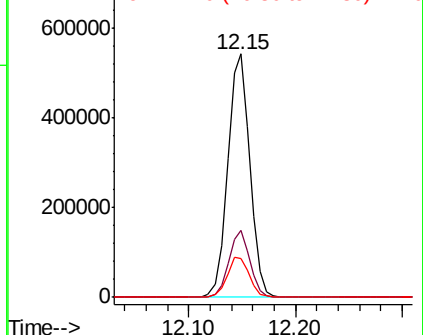
77 16.7 13.1 19.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.810 ug/L

RT: 12.40 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VR026614.D

Acq: 10 Sep 2019 18:18

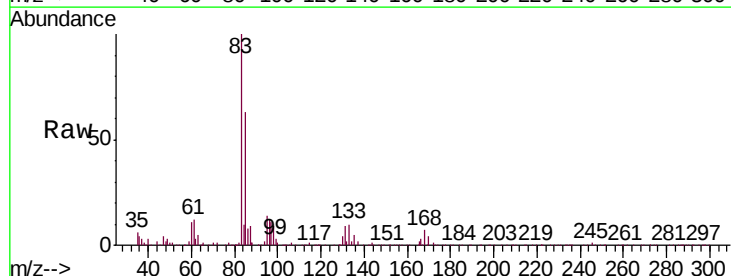
Tgt Ion: 83 Resp: 73350

Ion Ratio Lower Upper

83 100

85 62.9 45.7 84.9

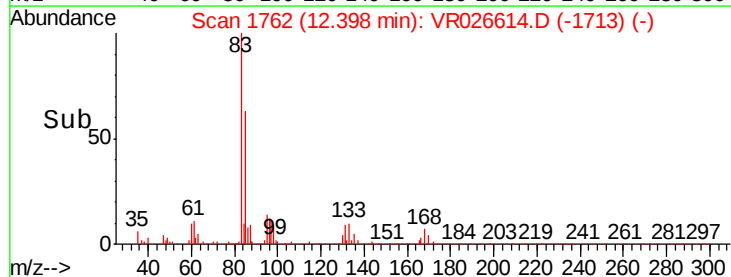
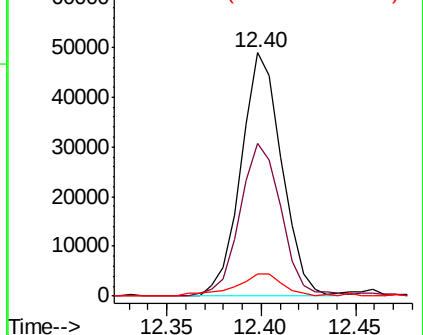
131 8.9 7.9 11.9

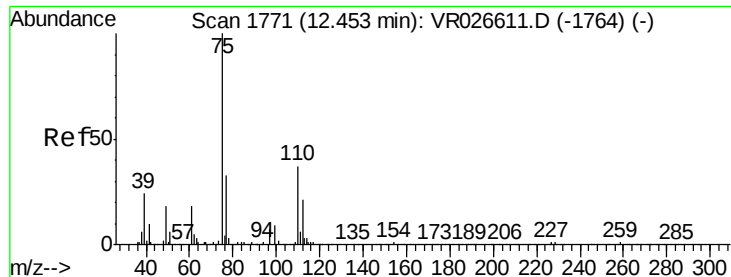


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.671 ug/L

RT: 12.45 min Scan# 1771

Delta R.T. -0.00 min

Lab File: VR026614.D

Acq: 10 Sep 2019 18:18

Instrument :

MSVOA_R

ClientSampleId :

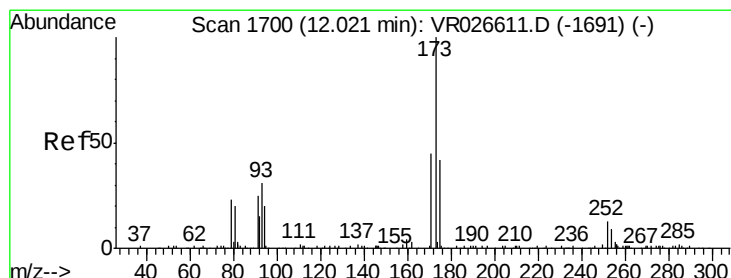
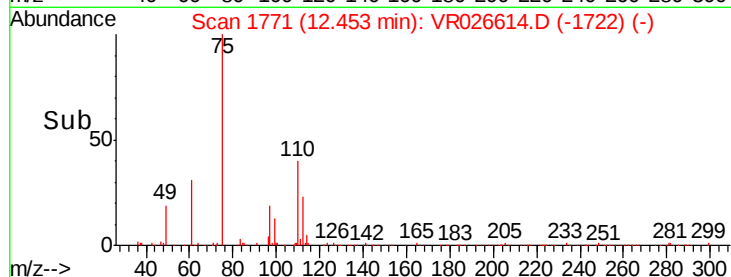
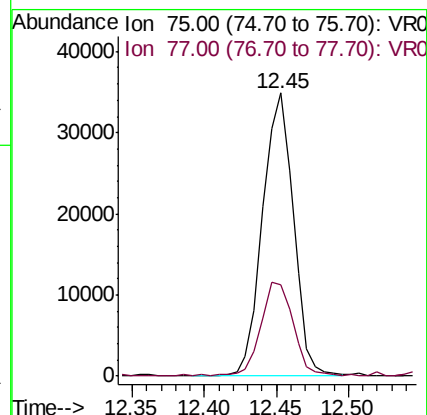
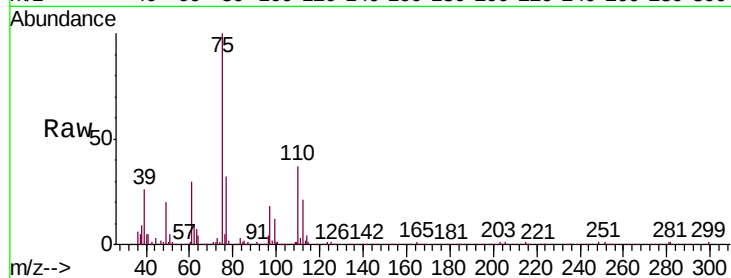
VICV61

Tgt Ion: 75 Resp: 51647

Ion Ratio Lower Upper

75 100

77 34.7 27.3 40.9



#61

Bromoform

Concen: 4.700 ug/L

RT: 12.03 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VR026614.D

Acq: 10 Sep 2019 18:18

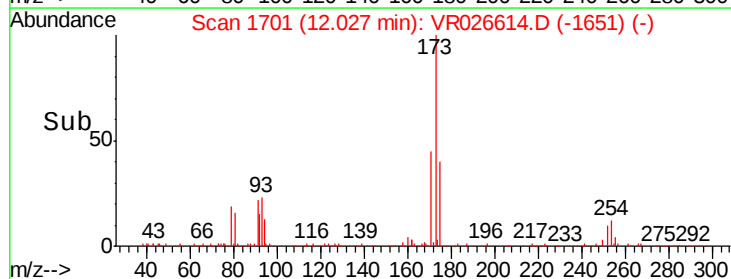
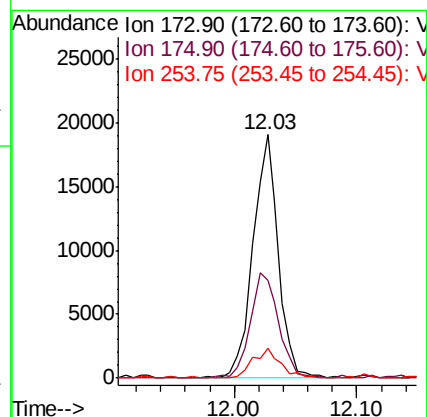
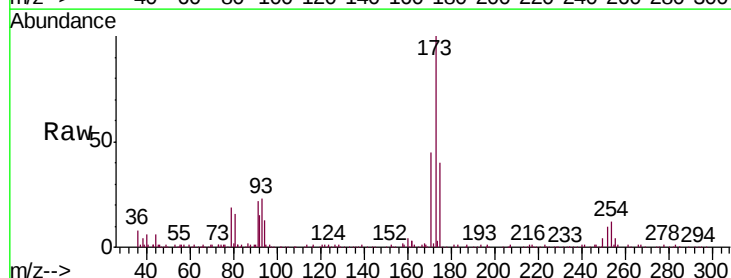
Tgt Ion: 173 Resp: 27464

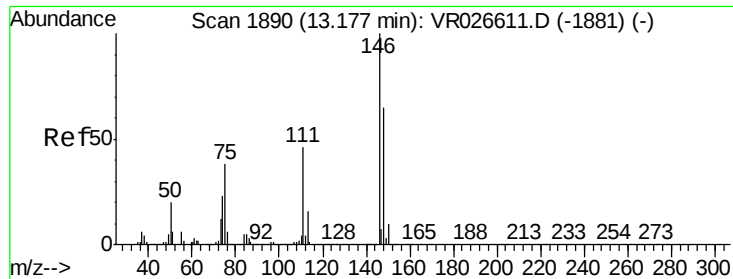
Ion Ratio Lower Upper

173 100

175 48.3 38.8 58.2

254 13.2 10.0 15.0

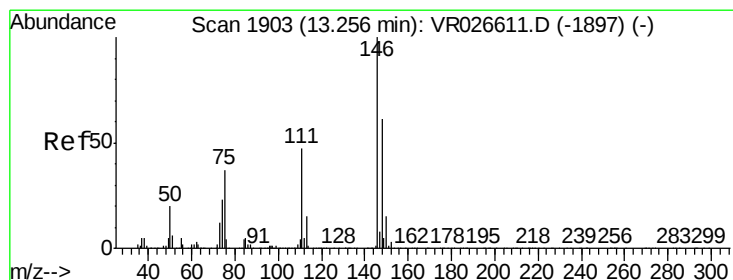
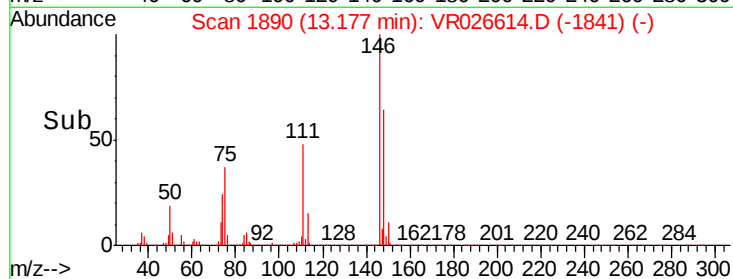
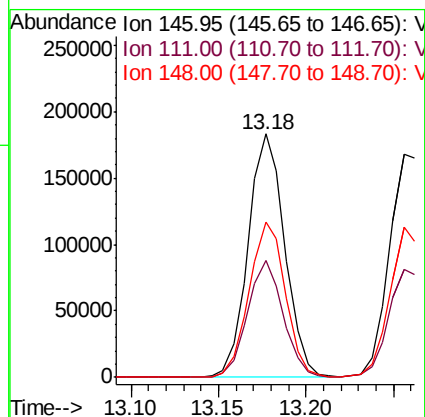
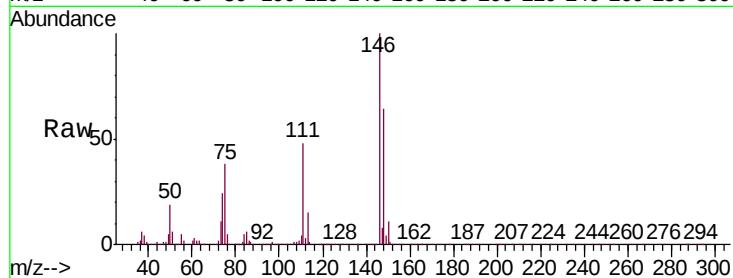




#62
 1,3-Dichlorobenzene
 Concen: 4.896 ug/L
 RT: 13.18 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VR026614.D
 Acq: 10 Sep 2019 18:18

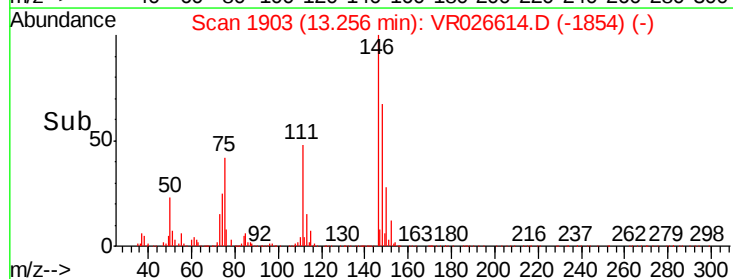
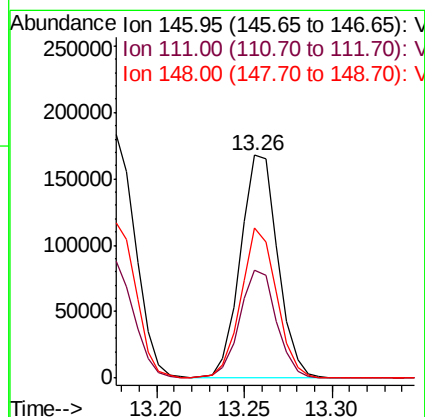
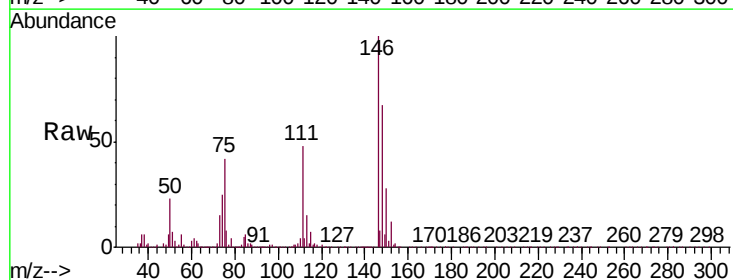
Instrument :
 MSVOA_R
 ClientSampleID :
 VICV61

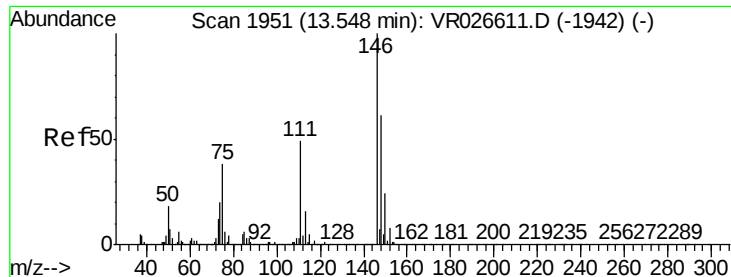
Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.2	32.2	59.8
148	63.6	45.6	84.8



#63
 1,4-Dichlorobenzene
 Concen: 4.759 ug/L
 RT: 13.26 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VR026614.D
 Acq: 10 Sep 2019 18:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.2	33.2	61.7
148	67.4	42.4	78.6

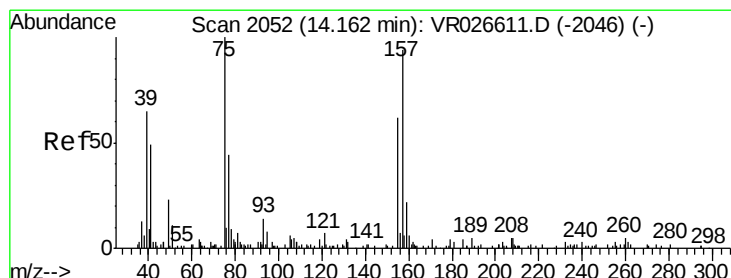
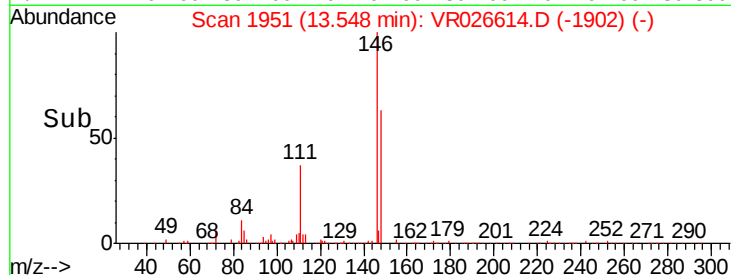
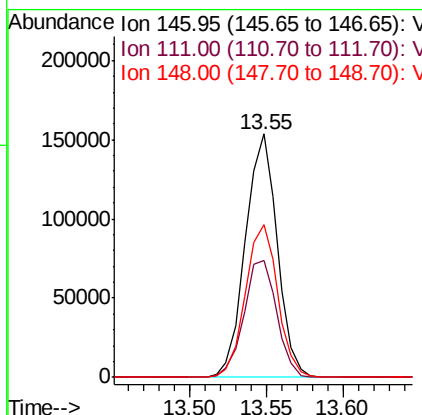
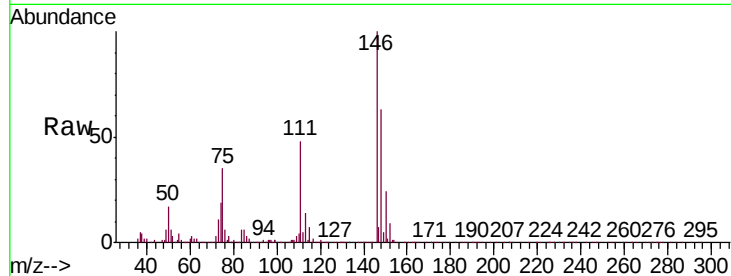




#65
 1,2-Dichlorobenzene
 Concen: 4.904 ug/L
 RT: 13.55 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VR026614.D
 Acq: 10 Sep 2019 18:18

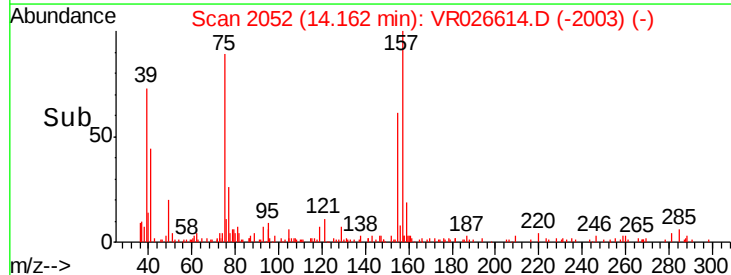
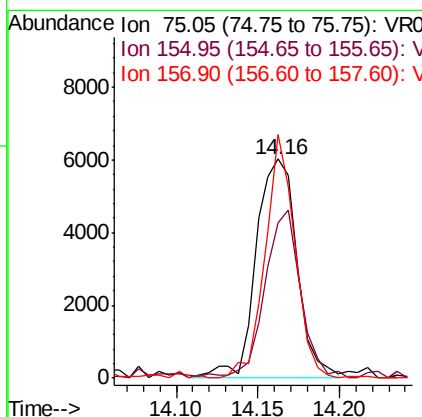
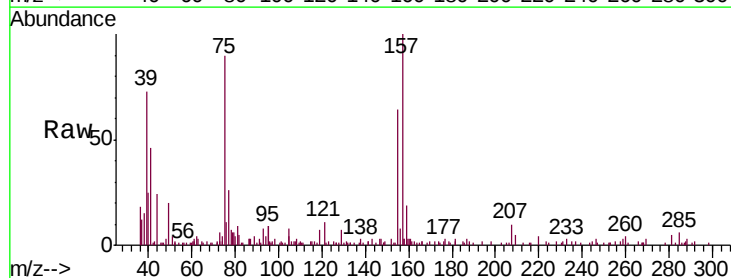
Instrument :
 MSVOA_R
 ClientSampleId :
 VICV61

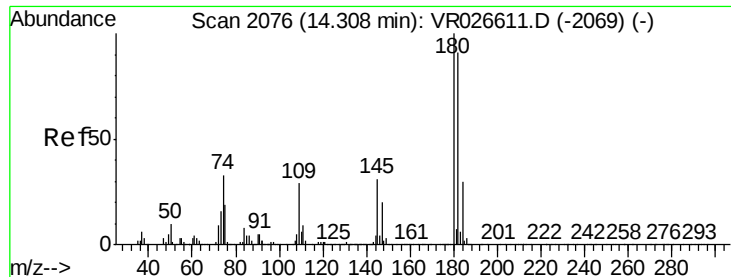
Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.8	39.3	58.9
148	62.6	49.3	73.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.572 ug/L
 RT: 14.16 min Scan# 2052
 Delta R.T. -0.00 min
 Lab File: VR026614.D
 Acq: 10 Sep 2019 18:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.2	50.2	75.4
157	111.1	74.5	111.7

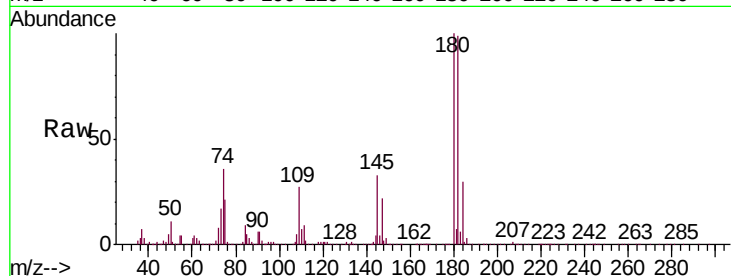




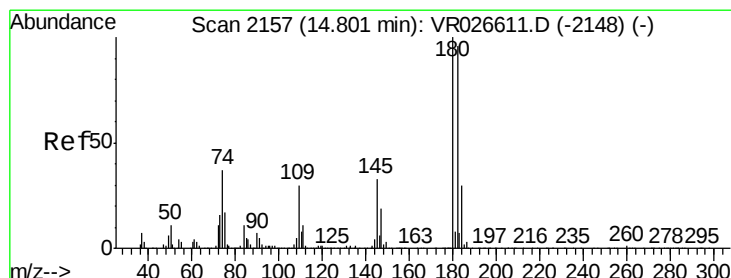
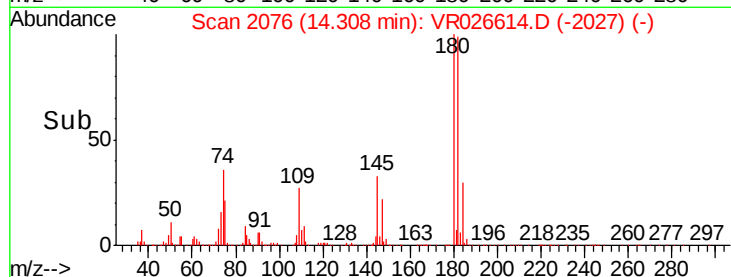
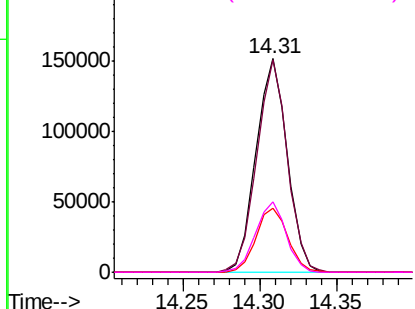
#67
 1,3,5-Trichlorobenzene
 Concen: 4.914 ug/L
 RT: 14.31 min Scan# 2076
 Delta R.T. -0.00 min
 Lab File: VR026614.D
 Acq: 10 Sep 2019 18:18

Instrument :
 MSVOA_R
 ClientSampleId :
 VICV61

Tgt Ion:	180	Resp:	214888
Ion Ratio	Lower	Upper	
180	100		
182	97.4	75.1	112.7
184	30.7	23.5	35.3
145	32.1	25.8	38.8

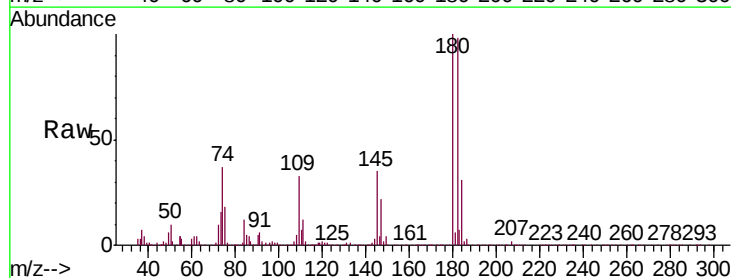


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

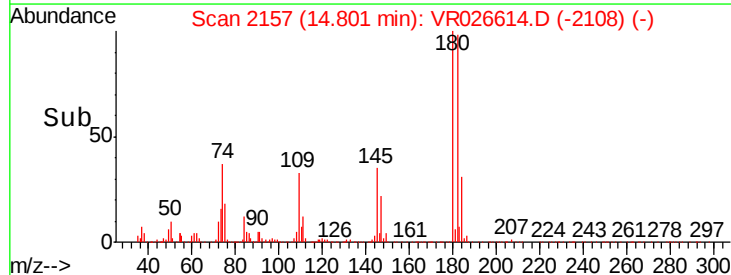
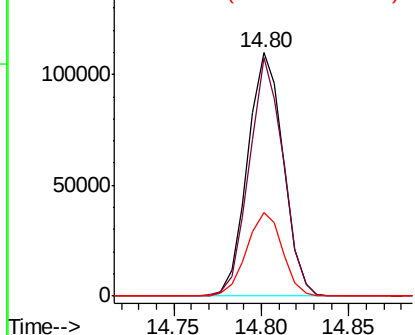


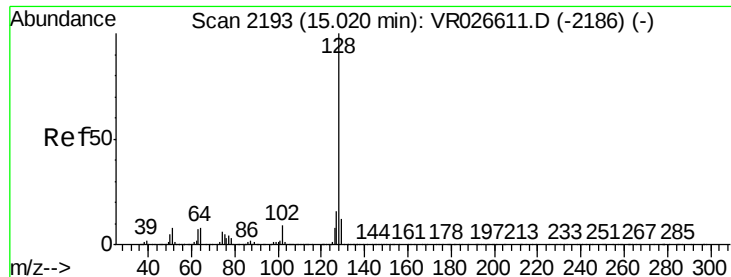
#68
 1,2,4-trichlorobenzene
 Concen: 4.896 ug/L
 RT: 14.80 min Scan# 2157
 Delta R.T. -0.00 min
 Lab File: VR026614.D
 Acq: 10 Sep 2019 18:18

Tgt Ion:	180	Resp:	156599
Ion Ratio	Lower	Upper	
180	100		
182	93.4	77.7	116.5
145	34.5	26.0	39.0



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





#69

Naphthalene

Concen: 4.889 ug/L

RT: 15.02 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VR026614.D

Acq: 10 Sep 2019 18:18

Instrument :

MSVOA_R

ClientSampleId :

VICV61

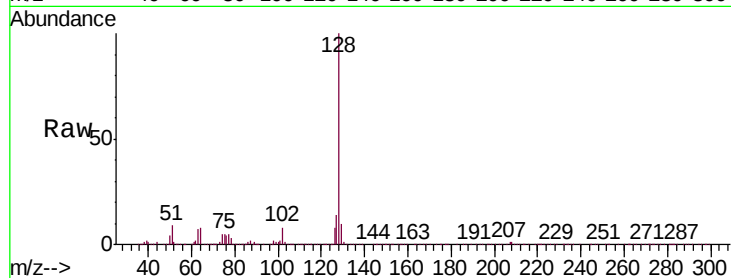
Tgt Ion:128 Resp: 219904

Ion Ratio Lower Upper

128 100

127 14.3 11.4 17.2

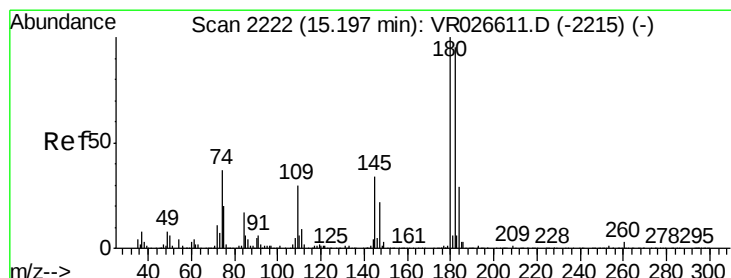
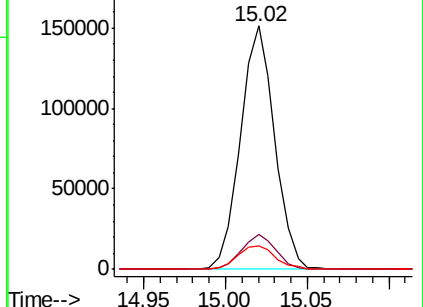
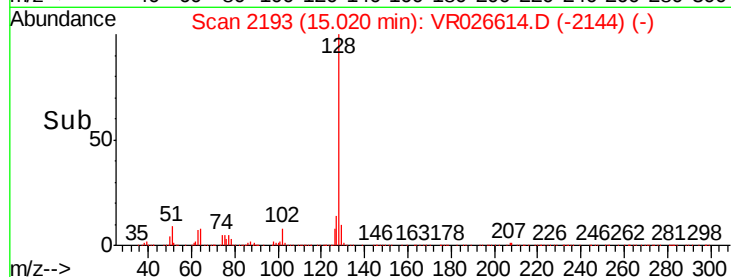
129 10.8 9.0 13.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.879 ug/L

RT: 15.20 min Scan# 2222

Delta R.T. -0.00 min

Lab File: VR026614.D

Acq: 10 Sep 2019 18:18

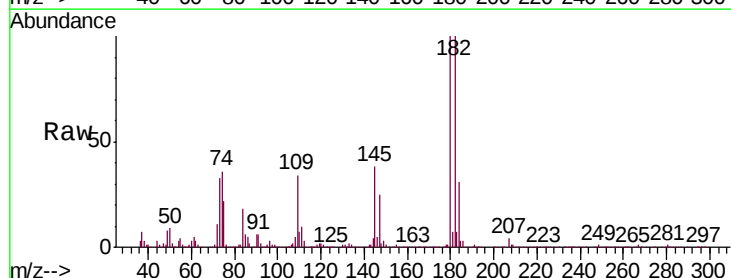
Tgt Ion:180 Resp: 131001

Ion Ratio Lower Upper

180 100

182 96.0 76.1 114.1

145 35.5 27.4 41.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

