

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101818\
 Data File : VR026131.D
 Acq On : 18 Oct 2018 13:27
 Operator : SY/MD
 Sample : J5464-05
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 C0JE0

Quant Time: Oct 19 04:42:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 19 04:39:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	540287	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	460679	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	141739	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	232157	4.91	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.20%
7) Chloroethane-d5	2.63	69	212361	5.22	ug/L	0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.40%
11) 1,1-Dichloroethene-d2	3.61	63	456188	3.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.60%
20) 2-Butanone-d5	6.59	46	203010	52.30	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.60%
24) Chloroform-d	7.20	84	351537	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	7.89	65	149342	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
32) Benzene-d6	7.85	84	709697	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	8.90	67	196364	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.80%
41) Toluene-d8	9.97	98	667579	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
43) trans-1,3-Dichloropropene-	10.23	79	41366	4.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.60%
46) 2-Hexanone-d5	10.59	63	163604	56.52	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.04%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	68992	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	118599	5.29	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.80%

Target Compounds

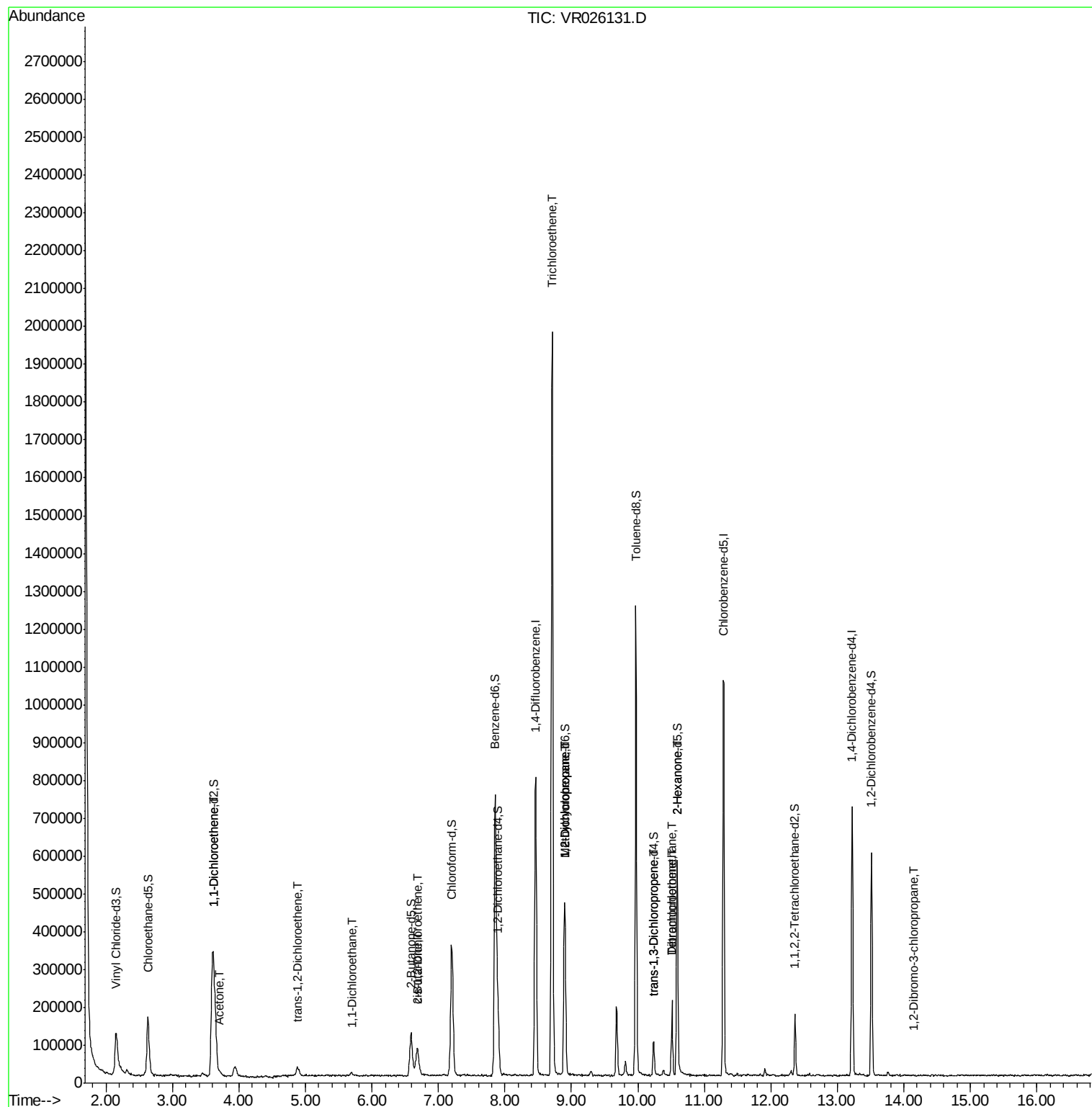
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	3.61	96	25240	0.480	ug/L #	1
13) Acetone	3.70	43	10219	2.546	ug/L	93
18) trans-1,2-Dichloroethene	4.88	96	10443	0.263	ug/L #	83
19) 1,1-Dichloroethane	5.69	63	9830	0.132	ug/L #	91
21) 2-Butanone	6.69	43	11242	2.428	ug/L	89
22) cis-1,2-Dichloroethene	6.69	96	14350	0.382	ug/L #	99
34) Trichloroethene	8.71	95	628508	14.206	ug/L	97
35) Methylcyclohexane	8.90	83	45564	0.692	ug/L #	19
37) 1,2-Dichloropropane	8.90	63	24857	0.682	ug/L #	92
44) trans-1,3-Dichloropropene	10.23	75	2837	0.097	ug/L	92
47) Tetrachloroethene	10.51	164	33663	1.065	ug/L	97
48) 2-Hexanone	10.59	43	26028	3.578	ug/L #	70
49) Dibromochloromethane	10.51	129	27310	1.578	ug/L #	11
66) 1,2-Dibromo-3-chloropropan	14.15	75	247	0.160	ug/L #	31

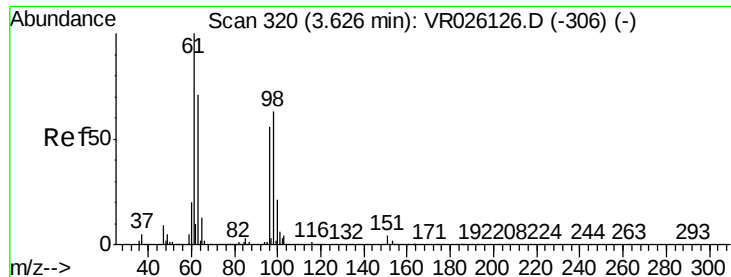
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.480 ug/L

RT: 3.61 min Scan# 318

Delta R.T. -0.01 min

Lab File: VR026131.D

Acq: 18 Oct 2018 13:27

Instrument :

MSVOA_R

ClientSampleId :

C0JE0

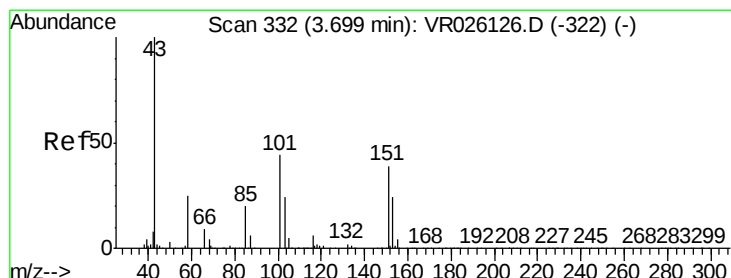
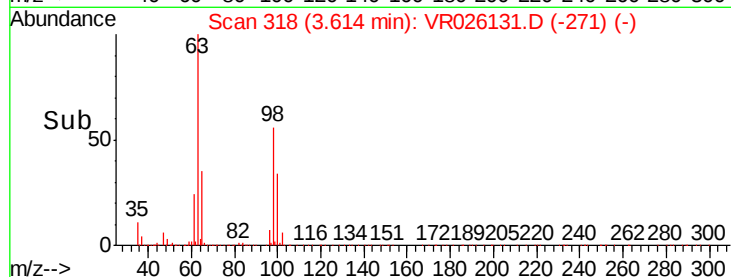
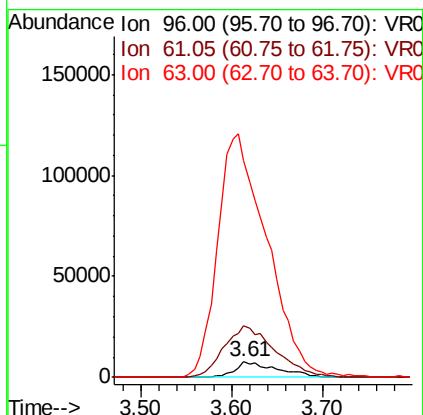
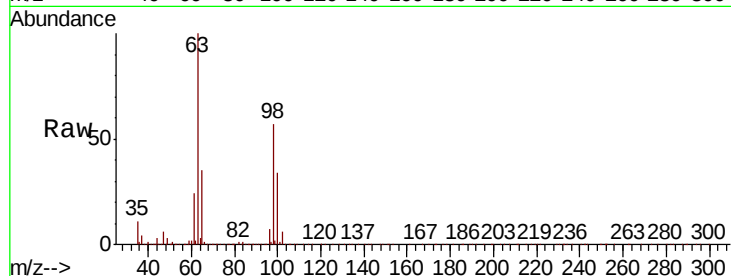
Tgt Ion: 96 Resp: 25240

Ion Ratio Lower Upper

96 100

61 342.4 126.7 235.3#

63 1427.3 125.0 232.2#



#13

Acetone

Concen: 2.546 ug/L

RT: 3.70 min Scan# 332

Delta R.T. 0.00 min

Lab File: VR026131.D

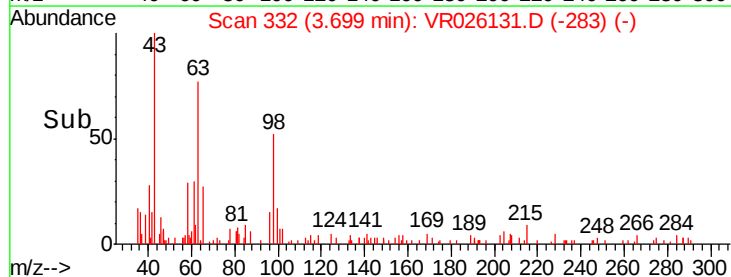
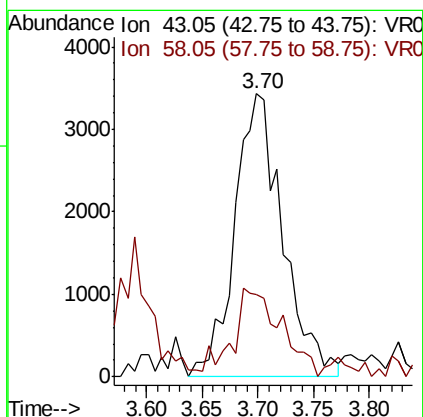
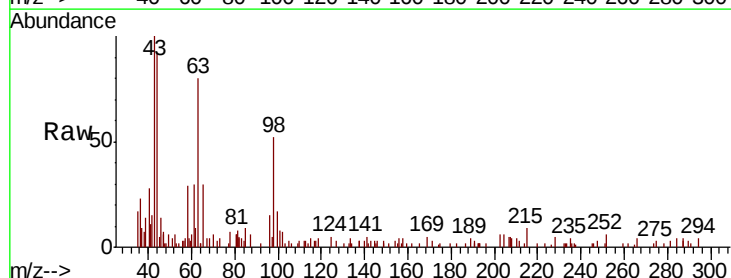
Acq: 18 Oct 2018 13:27

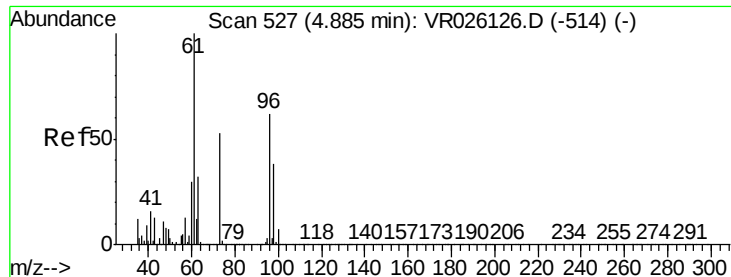
Tgt Ion: 43 Resp: 10219

Ion Ratio Lower Upper

43 100

58 31.3 0.0 55.4





#18

trans-1,2-Dichloroethene

Concen: 0.263 ug/L

RT: 4.88 min Scan# 526

Delta R.T. -0.01 min

Lab File: VR026131.D

Acq: 18 Oct 2018 13:27

Instrument :

MSVOA_R

ClientSampleId :

C0JE0

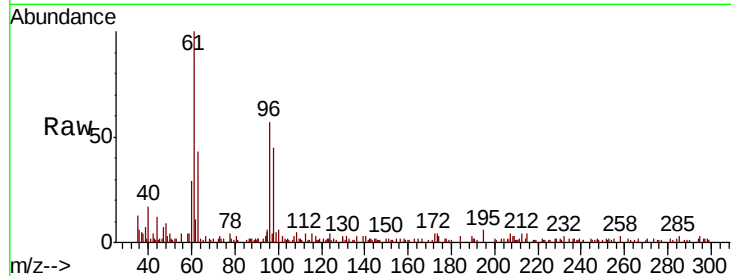
Tgt Ion: 96 Resp: 10443

Ion Ratio Lower Upper

96 100

61 176.3 111.4 206.8

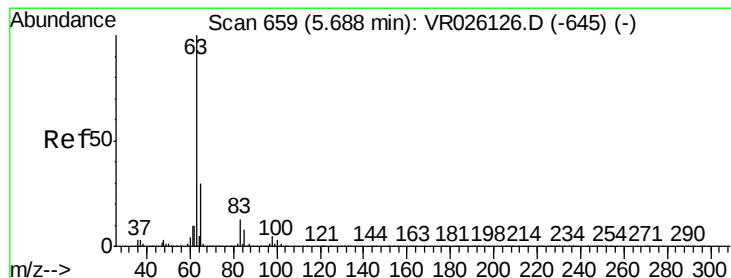
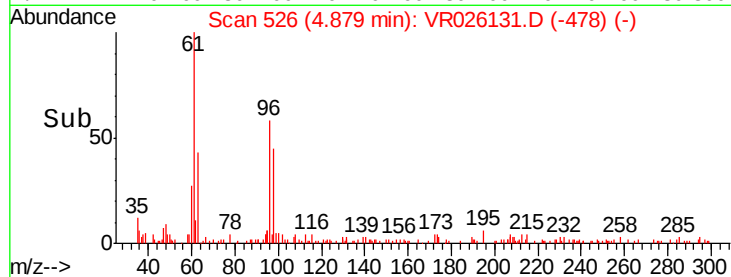
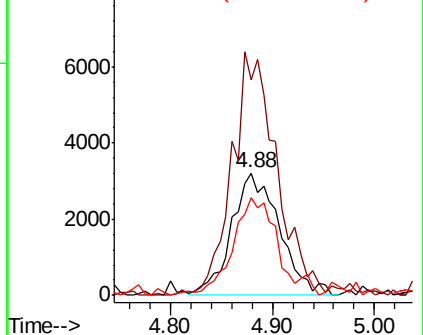
98 79.5 41.4 77.0#



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: 0.132 ug/L

RT: 5.69 min Scan# 660

Delta R.T. 0.01 min

Lab File: VR026131.D

Acq: 18 Oct 2018 13:27

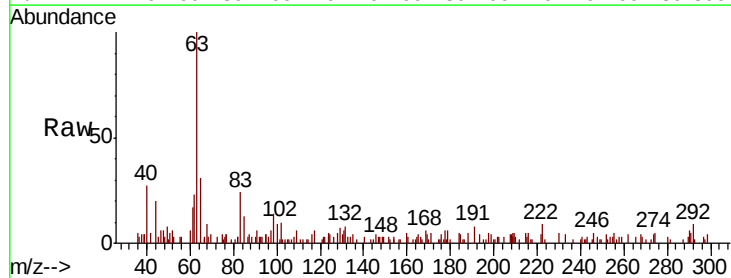
Tgt Ion: 63 Resp: 9830

Ion Ratio Lower Upper

63 100

65 31.0 21.2 39.4

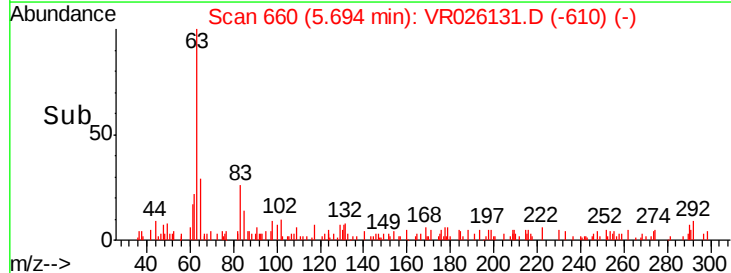
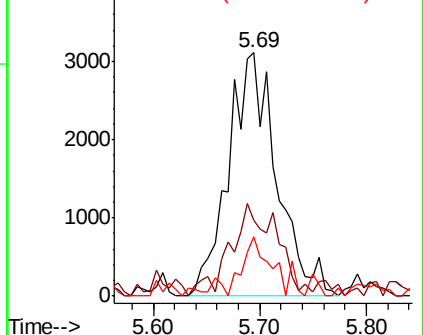
83 24.4 9.2 17.2#

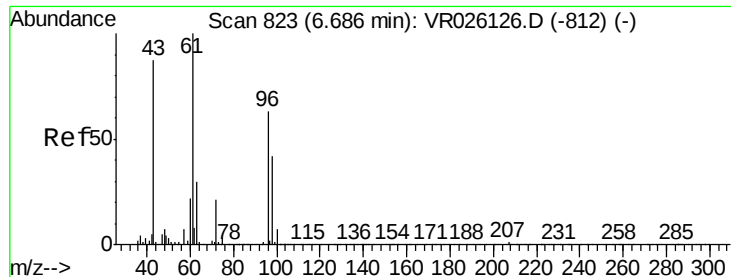


Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 65.10 (64.80 to 65.80): VR0

Ion 83.05 (82.75 to 83.75): VR0

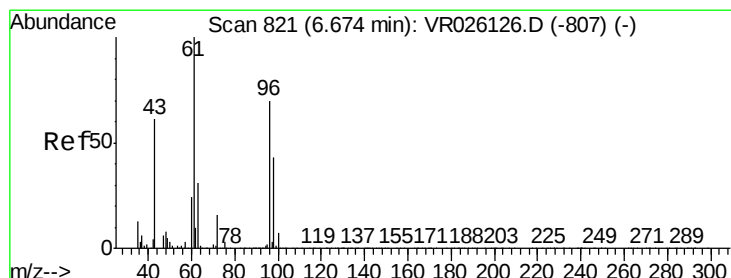
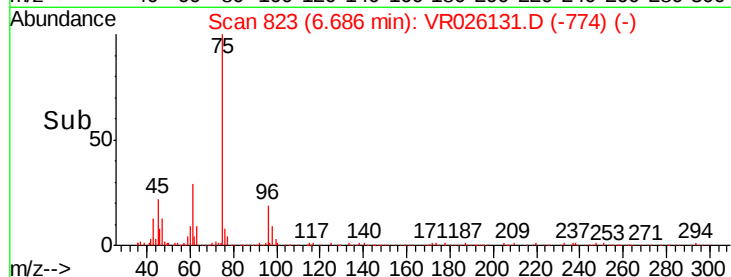
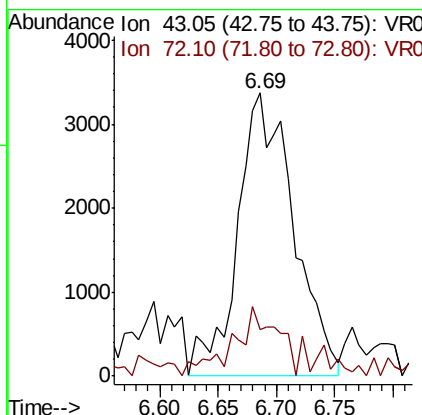
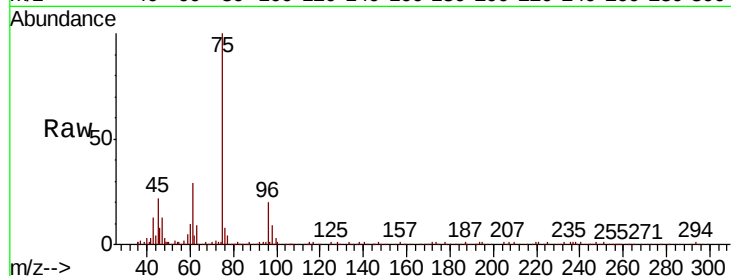




#21
2-Butanone
Concen: 2.428 ug/L
RT: 6.69 min Scan# 823
Delta R.T. 0.00 min
Lab File: VR026131.D
Acq: 18 Oct 2018 13:27

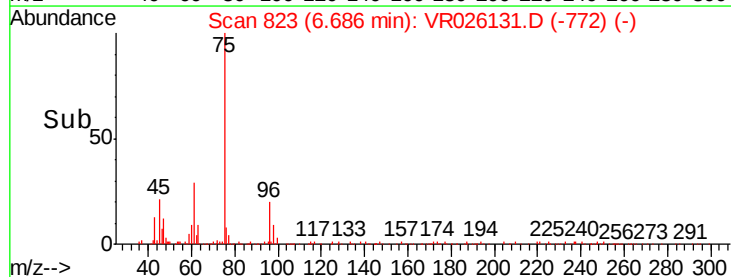
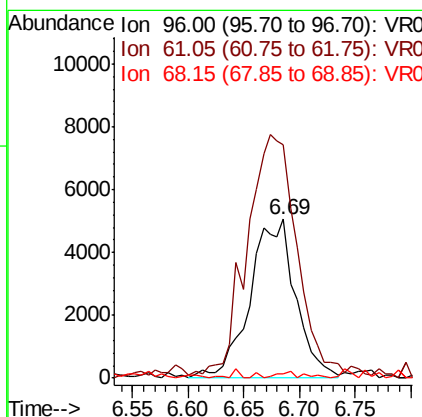
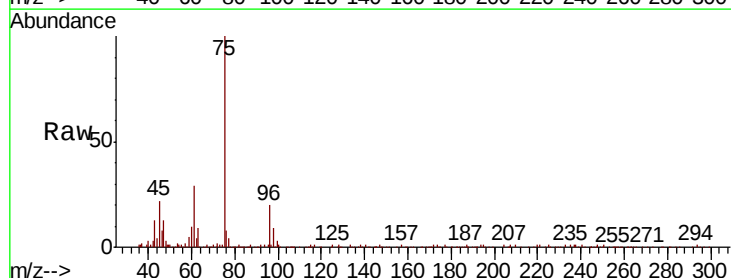
Instrument :
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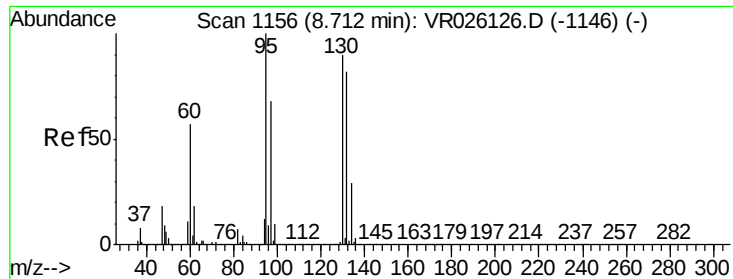
Tgt Ion: 43 Resp: 11242
Ion Ratio Lower Upper
43 100
72 19.2 12.3 36.8



#22
cis-1,2-Dichloroethene
Concen: 0.382 ug/L
RT: 6.69 min Scan# 823
Delta R.T. 0.01 min
Lab File: VR026131.D
Acq: 18 Oct 2018 13:27

Tgt Ion: 96 Resp: 14350
Ion Ratio Lower Upper
96 100
61 146.8 101.8 189.0
68 3.0 0.1 0.3#

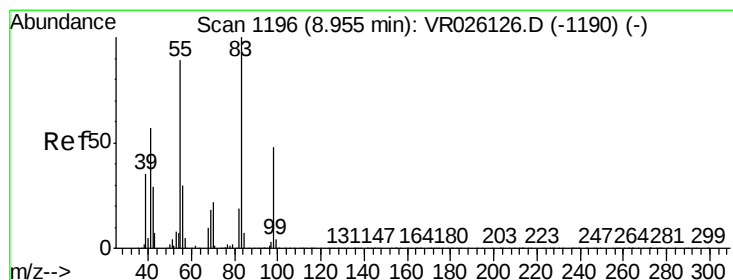
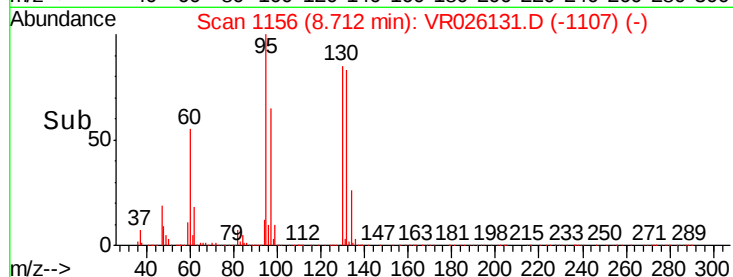
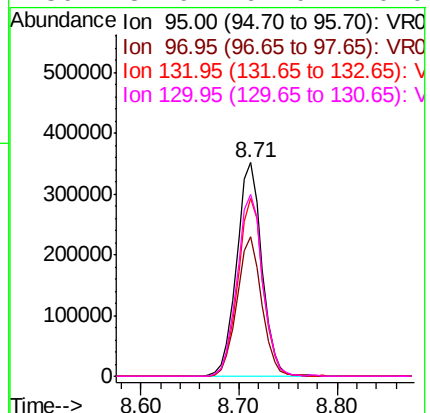
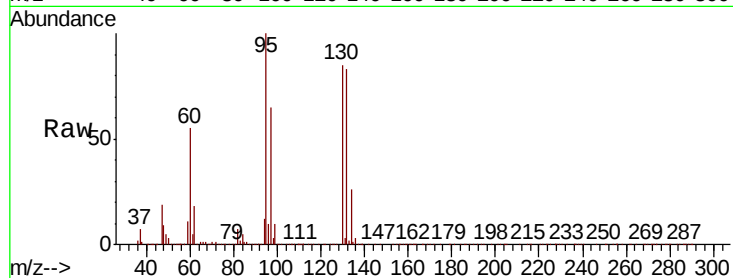




#34
 Trichloroethene
 Concen: 14.206 ug/L
 RT: 8.71 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: VR026131.D
 Acq: 18 Oct 2018 13:27

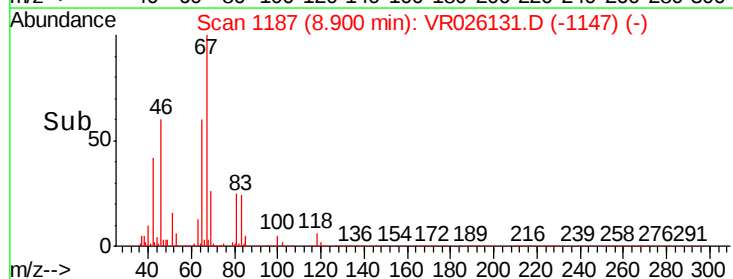
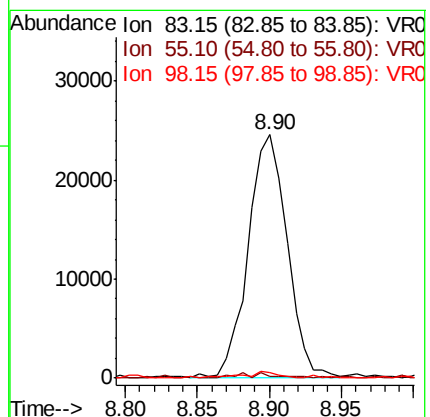
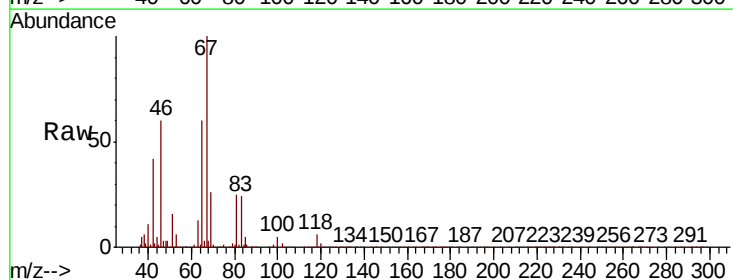
Instrument :
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 ClientSampleId :
 C0JE0

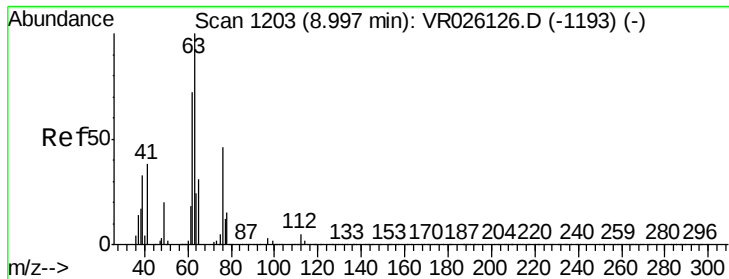
Tgt Ion: 95 Resp: 628508
 Ion Ratio Lower Upper
 95 100
 97 65.3 45.7 84.9
 132 83.3 58.3 108.3
 130 84.9 64.0 119.0



#35
 Methylcyclohexane
 Concen: 0.692 ug/L
 RT: 8.90 min Scan# 1187
 Delta R.T. -0.05 min
 Lab File: VR026131.D
 Acq: 18 Oct 2018 13:27

Tgt Ion: 83 Resp: 45564
 Ion Ratio Lower Upper
 83 100
 55 1.7 66.8 100.2#
 98 2.7 35.2 52.8#

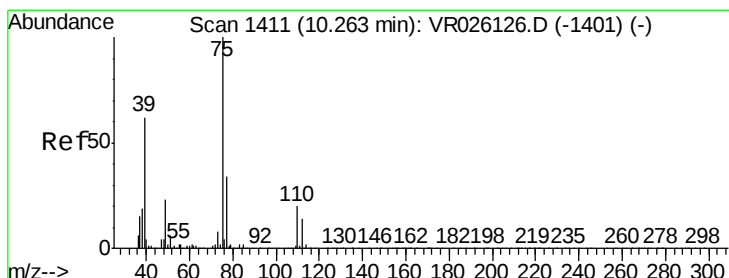
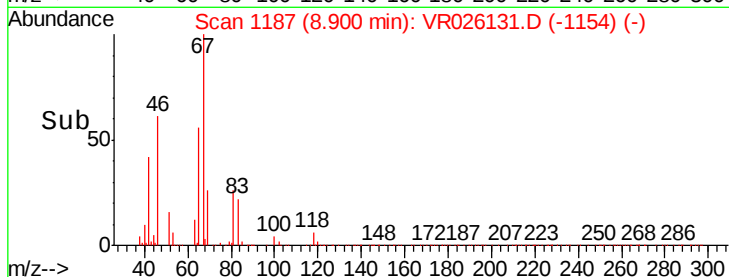
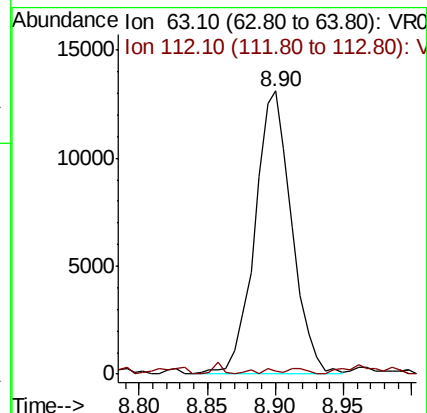
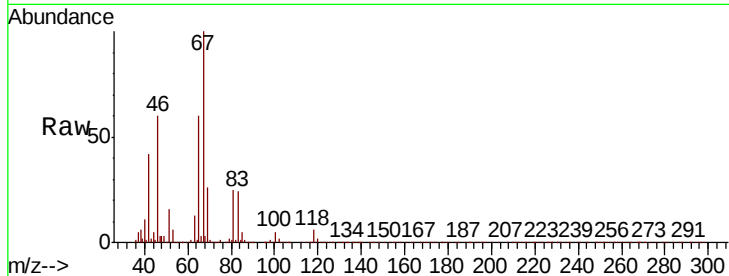




#37
 1,2-Dichloropropane
 Concen: 0.682 ug/L
 RT: 8.90 min Scan# 1187
 Delta R.T. -0.10 min
 Lab File: VR026131.D
 Acq: 18 Oct 2018 13:27

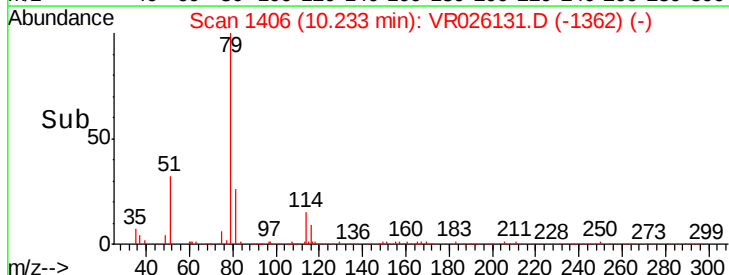
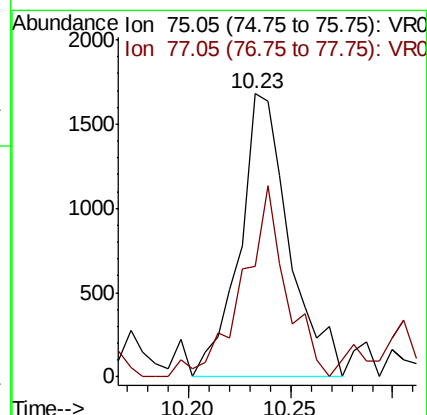
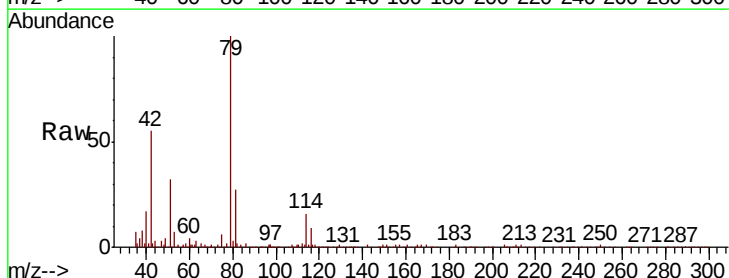
Instrument :
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 ClientSampleId :
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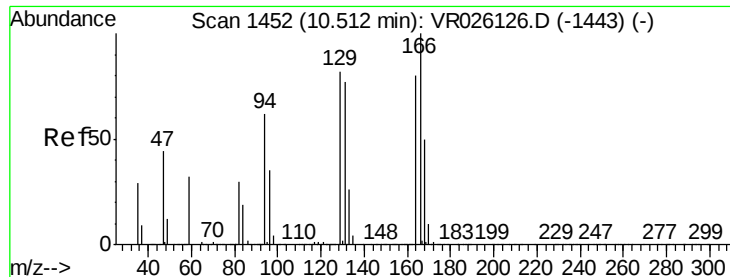
Tgt Ion: 63 Resp: 24857
 Ion Ratio Lower Upper
 63 100
 112 0.7 2.7 4.1#



#44
 trans-1,3-Dichloropropene
 Concen: 0.097 ug/L
 RT: 10.23 min Scan# 1406
 Delta R.T. -0.03 min
 Lab File: VR026131.D
 Acq: 18 Oct 2018 13:27

Tgt Ion: 75 Resp: 2837
 Ion Ratio Lower Upper
 75 100
 77 39.0 24.1 44.7





#47

Tetrachloroethene

Concen: 1.065 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VR026131.D

Acq: 18 Oct 2018 13:27

Instrument :

MSVOA_R

ClientSampleId :

C0JE0

Tgt Ion:164 Resp: 33663

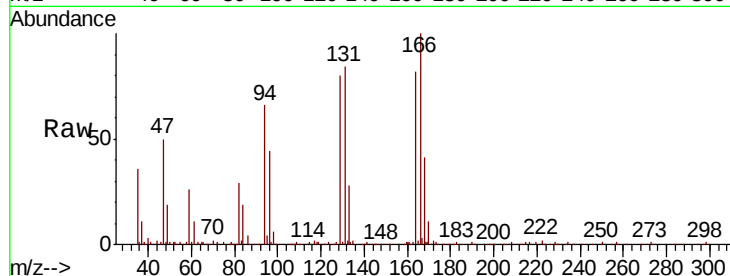
Ion Ratio Lower Upper

164 100

129 98.5 70.3 130.5

131 103.5 67.3 125.1

166 122.6 86.1 159.9

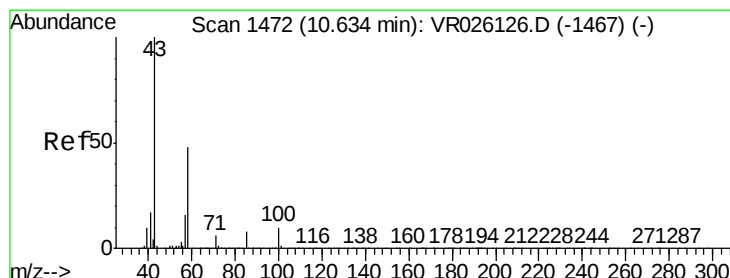
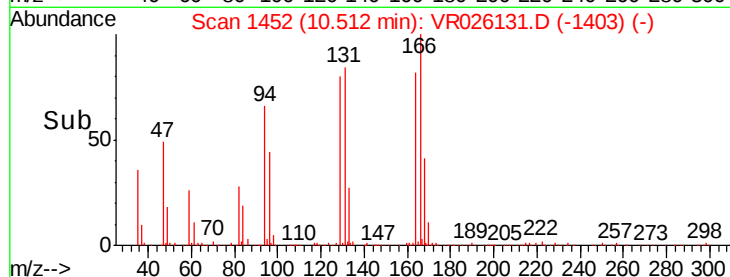
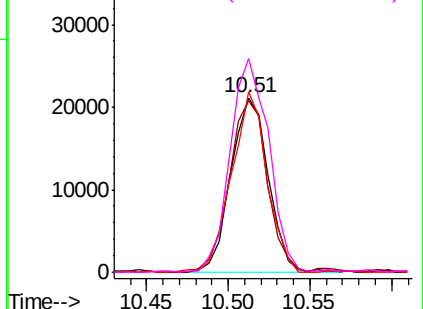


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 3.578 ug/L

RT: 10.59 min Scan# 1465

Delta R.T. -0.04 min

Lab File: VR026131.D

Acq: 18 Oct 2018 13:27

Tgt Ion: 43 Resp: 26028

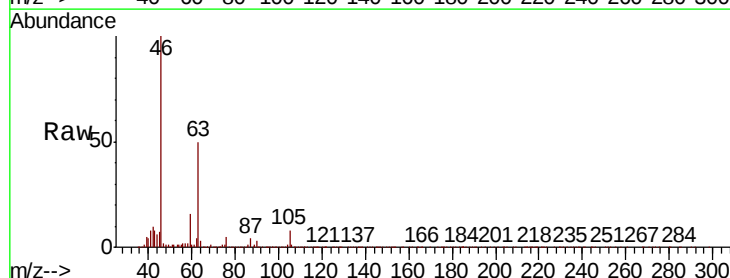
Ion Ratio Lower Upper

43 100

58 24.2 39.6 59.4#

57 26.6 14.0 21.0#

100 4.0 7.0 10.6#

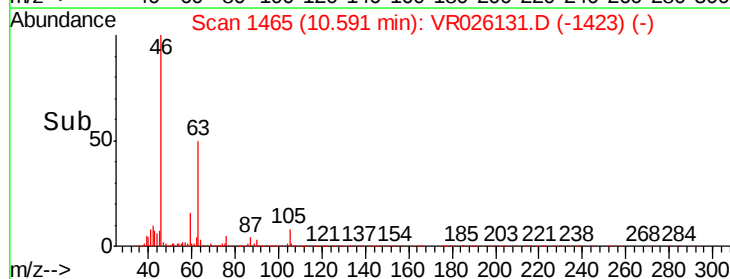
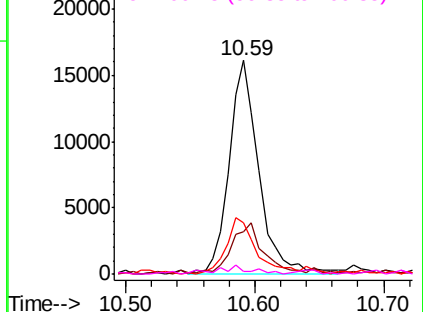


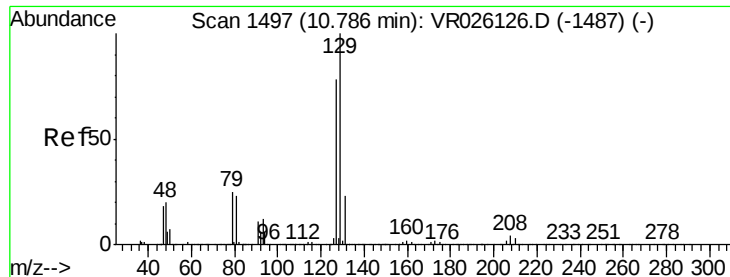
Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 57.20 (56.90 to 57.90): VR0

Ion 100.15 (99.85 to 100.85): VR0





#49

Dibromochloromethane

Concen: 1.578 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. -0.27 min

Lab File: VR026131.D

Acq: 18 Oct 2018 13:27

Instrument :

MSVOA_R

ClientSampleId :

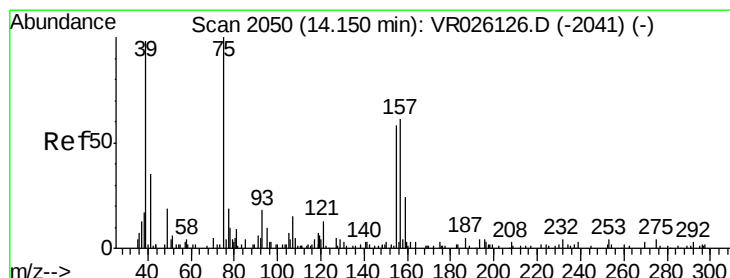
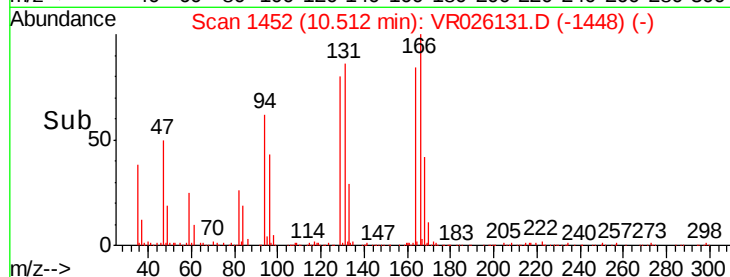
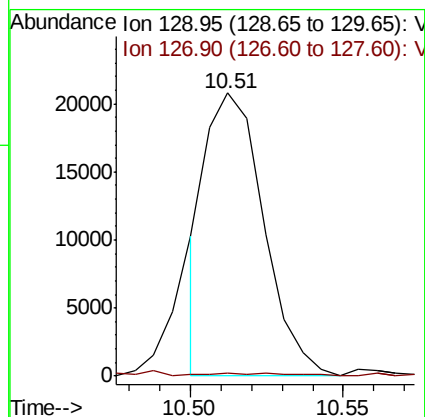
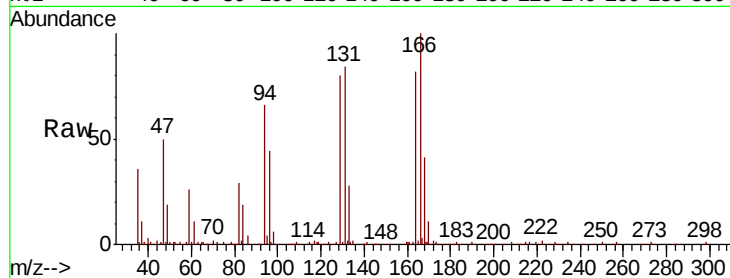
C0JE0

Tgt Ion: 129 Resp: 27310

Ion Ratio Lower Upper

129 100

127 1.0 55.0 102.2#



#66

1,2-Dibromo-3-chloropropane

Concen: 0.160 ug/L

RT: 14.15 min Scan# 2050

Delta R.T. 0.00 min

Lab File: VR026131.D

Acq: 18 Oct 2018 13:27

Tgt Ion: 75 Resp: 247

Ion Ratio Lower Upper

75 100

155 29.8 40.9 61.3#

157 0.0 67.3 100.9#

