

Data File : VR026145.D
Acq On : 19 Oct 2018 12:25
Operator : SY/MD
Sample : MDL
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
MDL

Quant Time: Oct 20 01:56:50 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 20 01:53:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	559175	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	472134	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	154900	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	185456	3.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.80%
7) Chloroethane-d5	2.63	69	192962	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.80%
11) 1,1-Dichloroethene-d2	3.61	63	364863	3.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.80%
20) 2-Butanone-d5	6.59	46	223422	55.61	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.22%
24) Chloroform-d	7.20	84	343969	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
26) 1,2-Dichloroethane-d4	7.90	65	147559	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
32) Benzene-d6	7.85	84	655691	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
36) 1,2-Dichloropropane-d6	8.90	67	189036	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	9.97	98	580552	4.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.00%
43) trans-1,3-Dichloropropene-	10.24	79	38448	3.74	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.80%
46) 2-Hexanone-d5	10.59	63	165307	55.72	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.44%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	76792	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.80%
64) 1,2-Dichlorobenzene-d4	13.51	152	114327	4.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.40%

Target Compounds

					Qvalue
3) Chloromethane	2.01	50	18054	0.303 ug/L	92
5) Vinyl chloride	2.16	62	17500	0.295 ug/L #	55
6) Bromomethane	2.52	94	12858	0.328 ug/L	100
8) Chloroethane	2.66	64	12890	0.350 ug/L	94
9) Trichlorofluoromethane	2.94	101	10452	0.122 ug/L #	10
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	18054	0.353 ug/L	89
12) 1,1-Dichloroethene	3.63	96	20373	0.375 ug/L #	1
13) Acetone	3.70	43	16245	3.911 ug/L	95
14) Carbon disulfide	3.94	76	35186	0.248 ug/L #	91
15) Methyl Acetate	4.20	43	4593	0.423 ug/L	97
16) Methylene chloride	4.42	84	18660	0.378 ug/L	91
17) Methyl tert-butyl Ether	4.89	73	13735	0.278 ug/L #	89
18) trans-1,2-Dichloroethene	4.89	96	12012	0.292 ug/L	89
19) 1,1-Dichloroethane	5.69	63	22767	0.295 ug/L #	84
21) 2-Butanone	6.69	43	13759	2.872 ug/L	96
22) cis-1,2-Dichloroethene	6.67	96	12392	0.319 ug/L #	89
23) Bromochloromethane	7.04	128	3523	0.323 ug/L	72

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Quant Title : TRACE VOA SOM01.0
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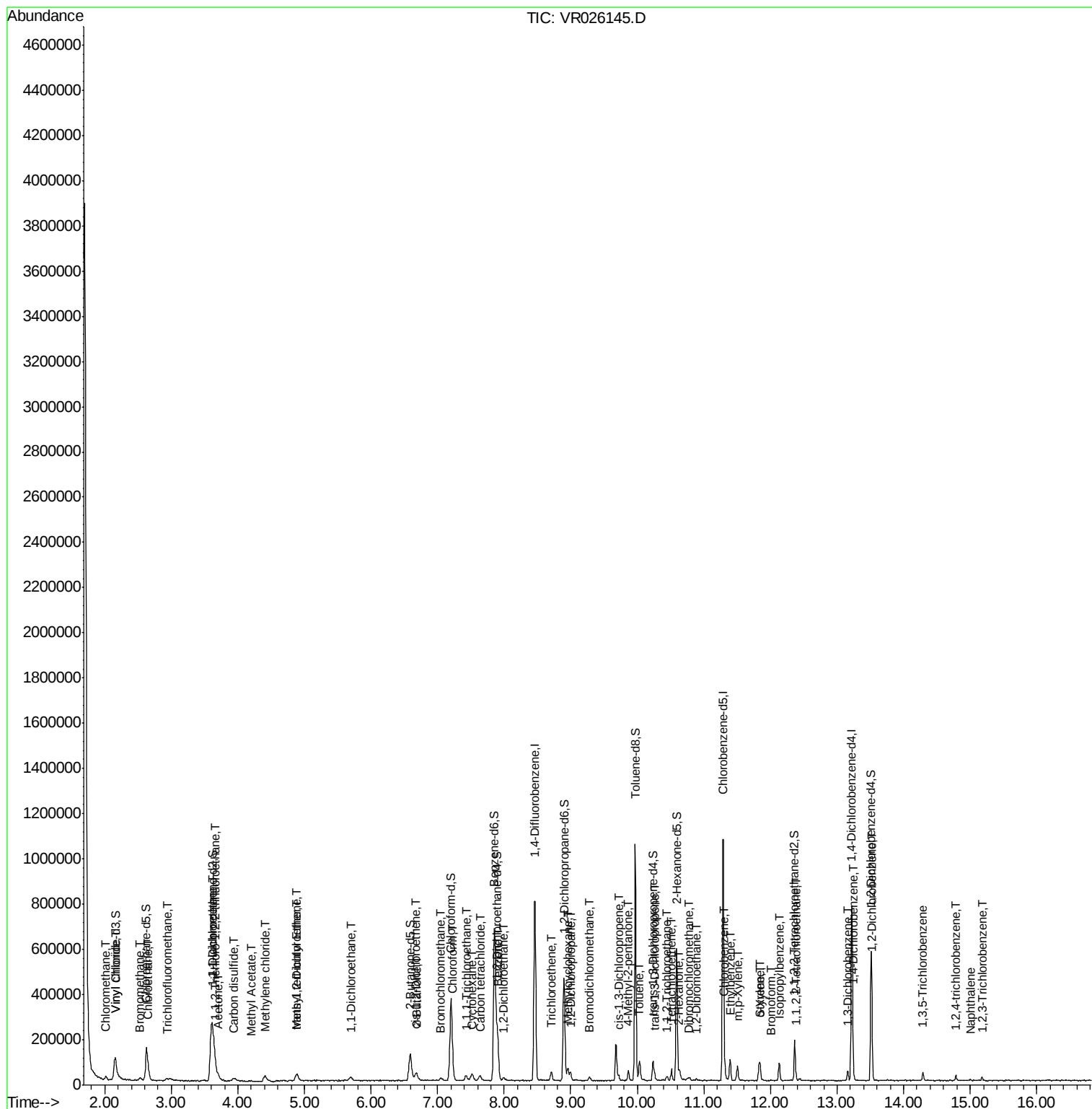
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25) Chloroform	7.23	83	23036	0.306	ug/L	81
27) 1,2-Dichloroethane	8.00	62	11537	0.313	ug/L	98
29) 1,1,1-Trichloroethane	7.43	97	18748	0.291	ug/L	98
30) Cyclohexane	7.51	56	13317	0.206	ug/L	93
31) Carbon tetrachloride	7.65	117	16247	0.277	ug/L	91
33) Benzene	7.91	78	56666	0.320	ug/L	100
34) Trichloroethene	8.71	95	12932	0.285	ug/L	86
35) Methylcyclohexane	8.96	83	16586	0.246	ug/L	94
37) 1,2-Dichloropropane	9.00	63	11686	0.313	ug/L #	95
38) Bromodichloromethane	9.28	83	11448	0.285	ug/L #	75
39) cis-1,3-Dichloropropene	9.72	75	12091	0.283	ug/L	94
40) 4-Methyl-2-pentanone	9.86	43	27003	2.366	ug/L #	91
42) Toluene	10.03	91	53251	0.285	ug/L	91
44) trans-1,3-Dichloropropene	10.26	75	9458	0.316	ug/L	90
45) 1,1,2-Trichloroethane	10.45	97	5582	0.354	ug/L #	79
47) Tetrachloroethene	10.51	164	8917	0.275	ug/L	91
48) 2-Hexanone	10.63	43	22629	3.035	ug/L	97
49) Dibromochloromethane	10.79	129	5071	0.286	ug/L #	69
50) 1,2-Dibromoethane	10.89	107	4360	0.320	ug/L #	97
51) Chlorobenzene	11.32	112	29091	0.281	ug/L	91
52) Ethylbenzene	11.39	91	53728	0.250	ug/L	100
53) m,p-Xylene	11.50	106	16963	0.217	ug/L	98
54) o-Xylene	11.83	106	15094	0.210	ug/L	92
55) Styrene	11.84	104	19921	0.180	ug/L	93
56) Isopropylbenzene	12.13	105	39732	0.199	ug/L	96
58) 1,1,2,2-Tetrachloroethane	12.39	83	5371	0.335	ug/L	89
61) Bromoform	12.00	173	1553	0.288	ug/L #	79
62) 1,3-Dichlorobenzene	13.16	146	13696	0.266	ug/L	86
63) 1,4-Dichlorobenzene	13.24	146	17735	0.333	ug/L #	91
65) 1,2-Dichlorobenzene	13.53	146	12724	0.308	ug/L	90
67) 1,3,5-Trichlorobenzene	14.29	180	8854	0.282	ug/L	90
68) 1,2,4-trichlorobenzene	14.79	180	5460	0.298	ug/L	89
69) Naphthalene	15.00	128	3683	0.207	ug/L #	87
70) 1,2,3-Trichlorobenzene	15.18	180	4016	0.316	ug/L	92

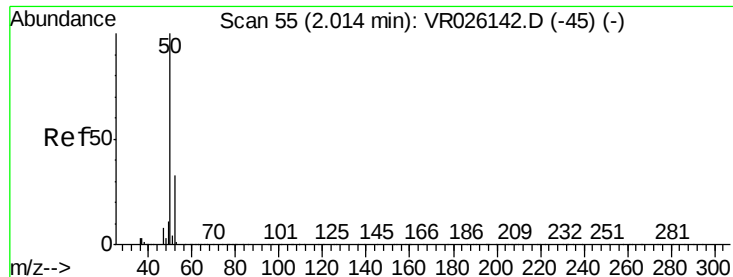
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#3

Chloromethane

Concen: 0.303 ug/L

RT: 2.01 min Scan# 55

Delta R.T. 0.00 min

Lab File: VR026145.D

Acq: 19 Oct 2018 12:25

Instrument :

MSVOA_R

ClientSampleId :

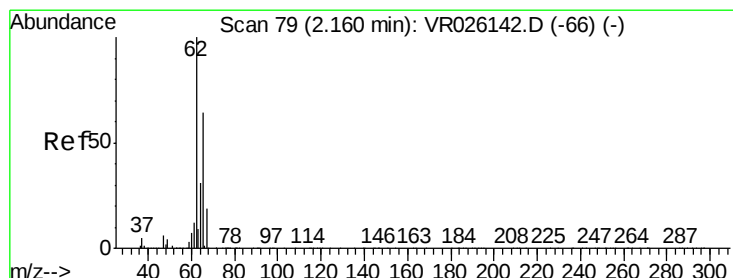
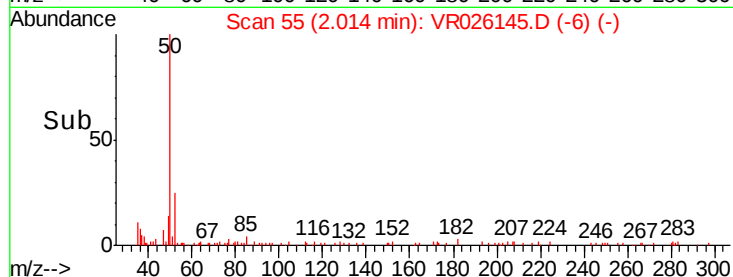
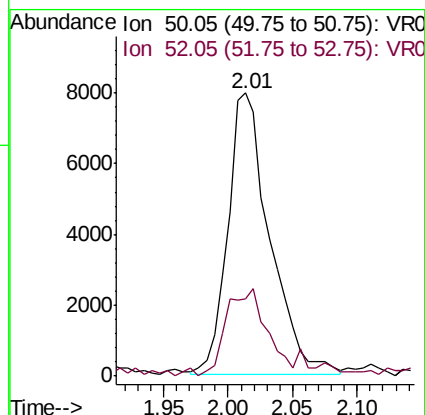
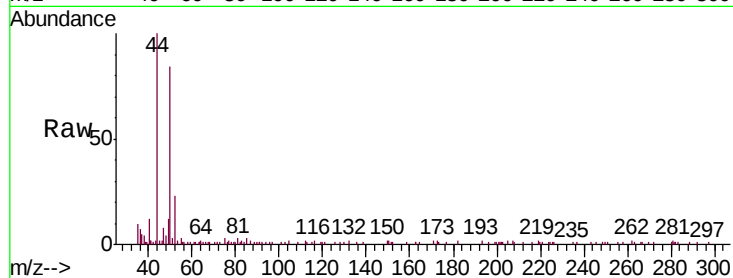
MDL

Tgt Ion: 50 Resp: 18054

Ion Ratio Lower Upper

50 100

52 27.2 22.0 40.8



#5

Vinyl chloride

Concen: 0.295 ug/L

RT: 2.16 min Scan# 79

Delta R.T. 0.00 min

Lab File: VR026145.D

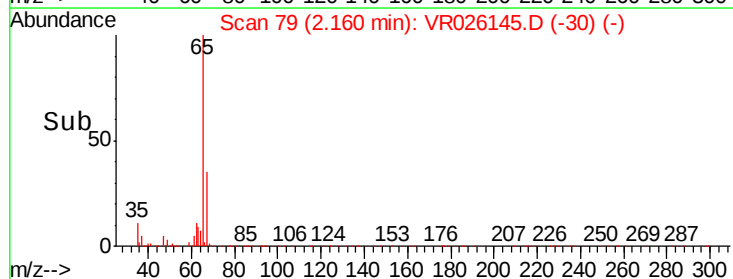
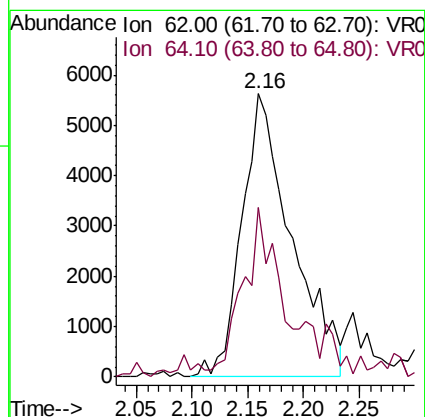
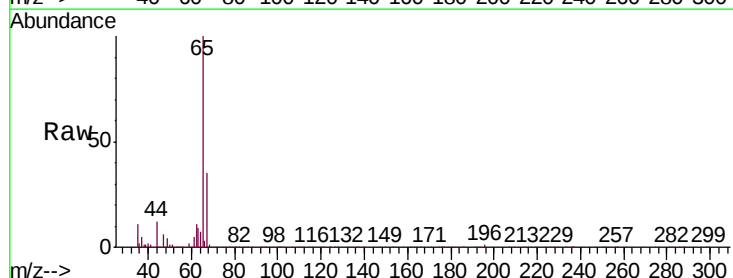
Acq: 19 Oct 2018 12:25

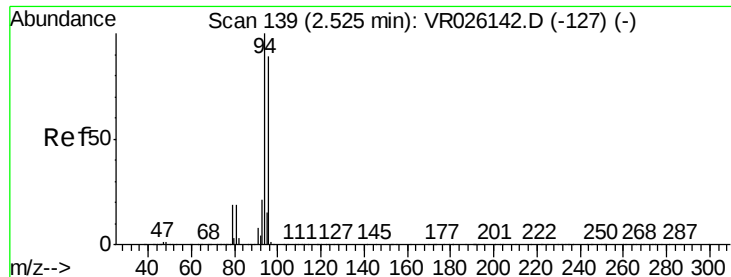
Tgt Ion: 62 Resp: 17500

Ion Ratio Lower Upper

62 100

64 59.9 23.9 44.3#





#6

Bromomethane

Concen: 0.328 ug/L

RT: 2.52 min Scan# 139

Delta R.T. 0.00 min

Lab File: VR026145.D

Acq: 19 Oct 2018 12:25

Instrument :

MSVOA_R

ClientSampleId :

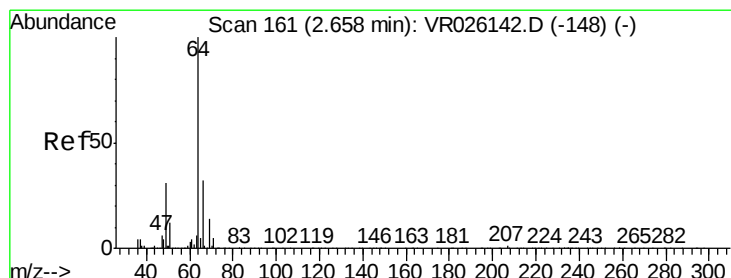
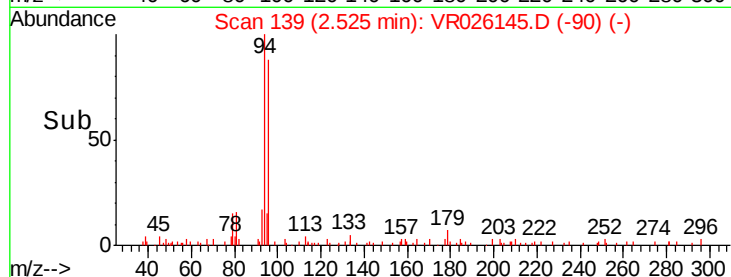
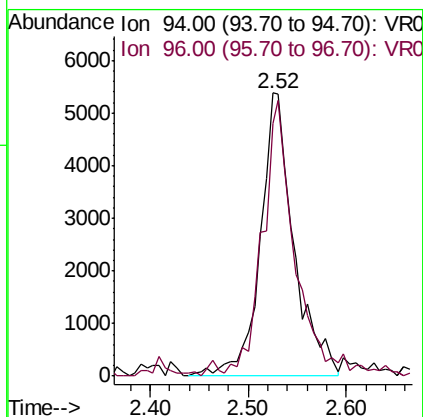
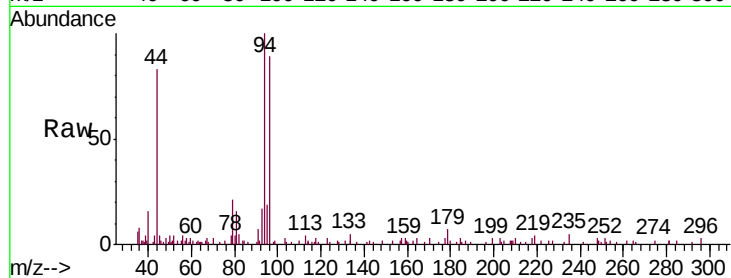
MDL

Tgt Ion: 94 Resp: 12858

Ion Ratio Lower Upper

94 100

96 89.3 62.5 116.1



#8

Chloroethane

Concen: 0.350 ug/L

RT: 2.66 min Scan# 161

Delta R.T. 0.00 min

Lab File: VR026145.D

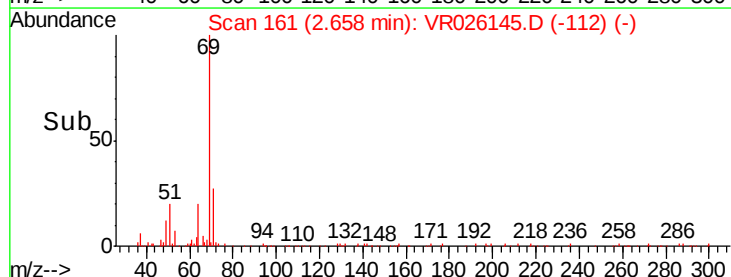
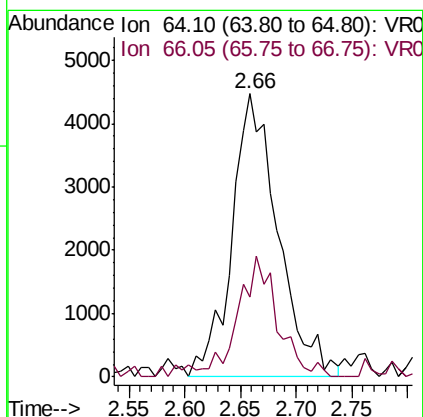
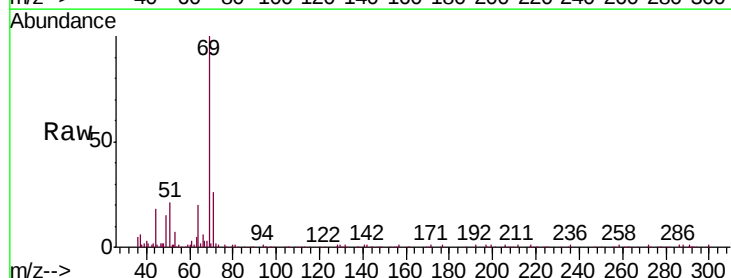
Acq: 19 Oct 2018 12:25

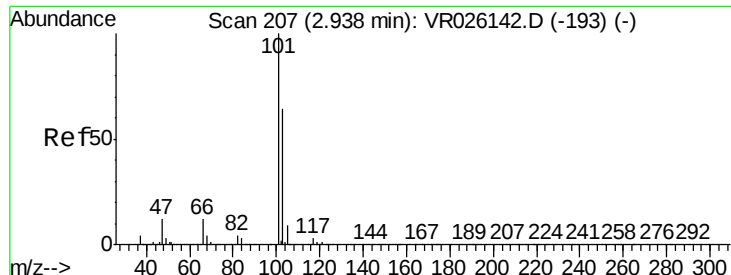
Tgt Ion: 64 Resp: 12890

Ion Ratio Lower Upper

64 100

66 28.3 22.0 40.8





#9

Trichlorofluoromethane

Concen: 0.122 ug/L

RT: 2.94 min Scan# 208

Delta R.T. 0.01 min

Lab File: VR026145.D

Acq: 19 Oct 2018 12:25

Instrument :

MSVOA_R

ClientSampleId :

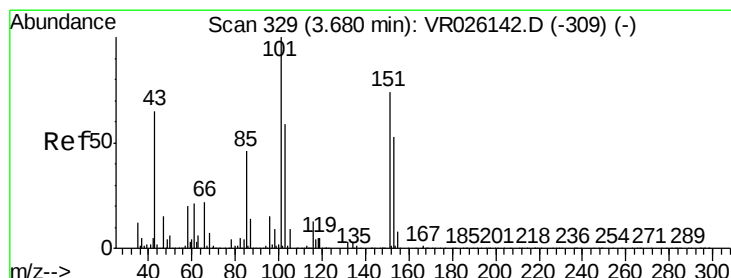
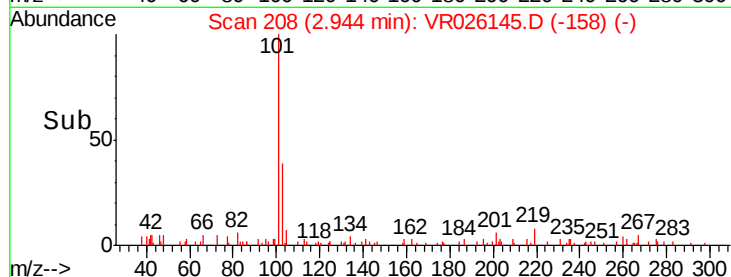
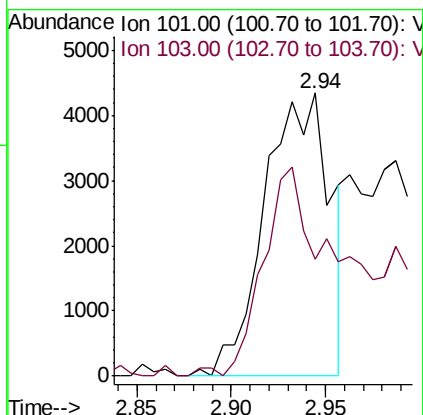
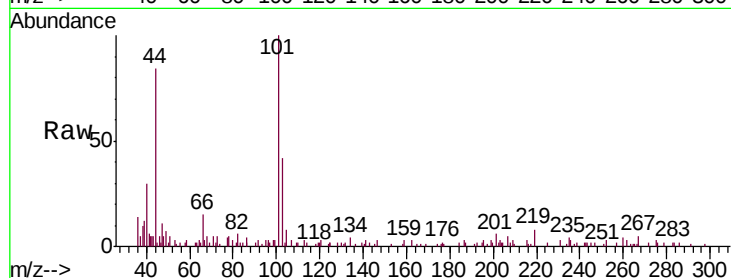
MDL

Tgt Ion:101 Resp: 10452

Ion Ratio Lower Upper

101 100

103 83.0 26.0 39.0#



#10

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

Concen: 0.353 ug/L

RT: 3.67 min Scan# 328

Delta R.T. -0.01 min

Lab File: VR026145.D

Acq: 19 Oct 2018 12:25

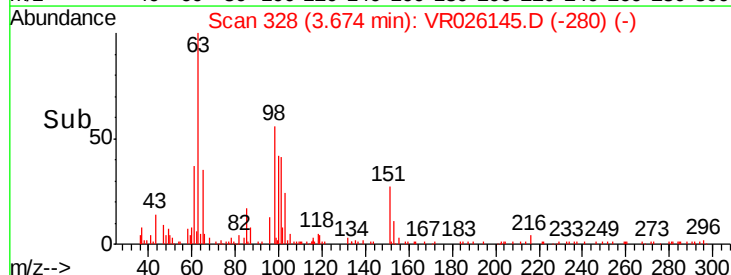
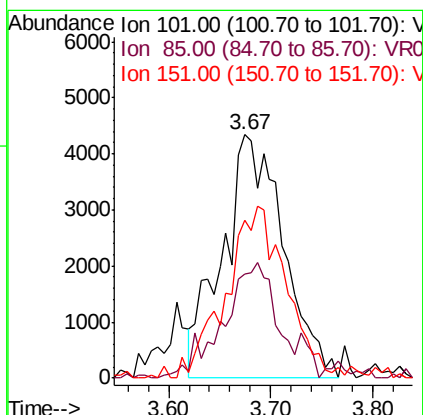
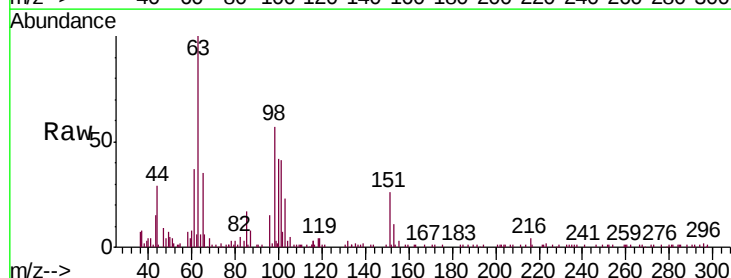
Tgt Ion:101 Resp: 18054

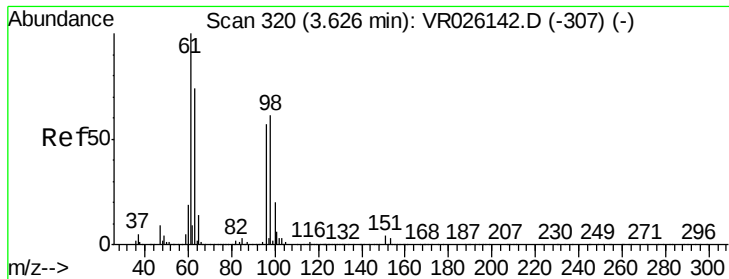
Ion Ratio Lower Upper

101 100

85 40.5 37.8 56.8

151 68.8 63.2 94.8

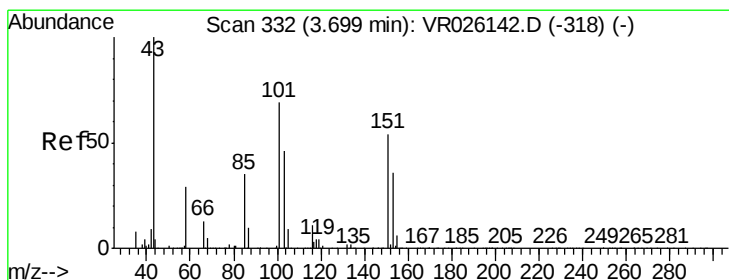
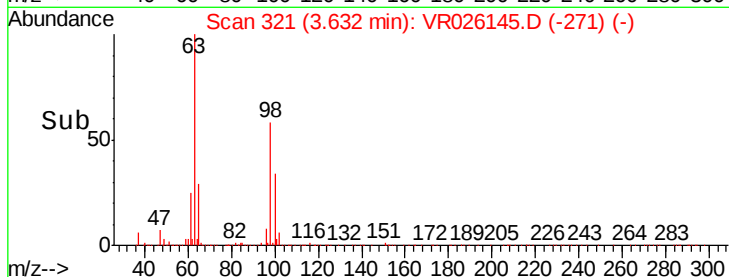
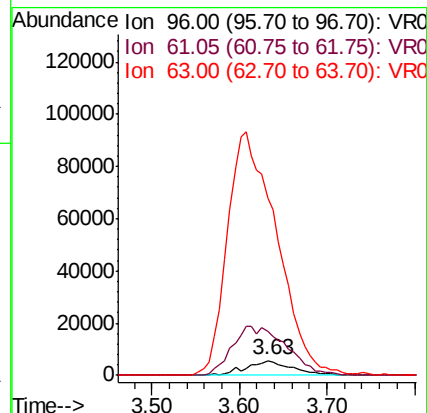
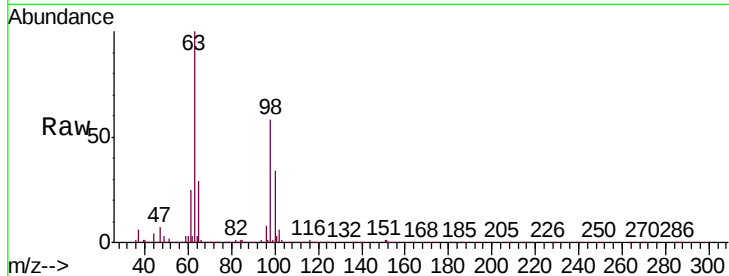




#12
1,1-Dichloroethene
Concen: 0.375 ug/L
RT: 3.63 min Scan# 321
Delta R.T. 0.01 min
Lab File: VR026145.D
Acq: 19 Oct 2018 12:25

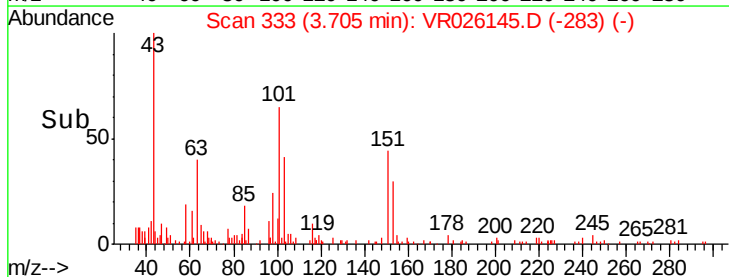
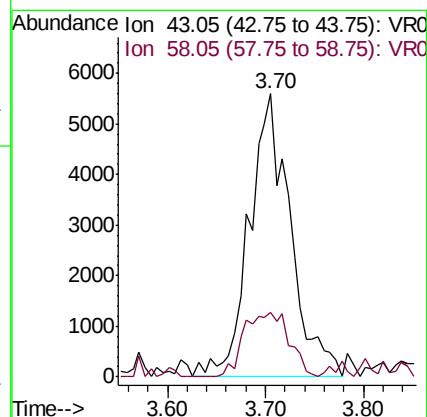
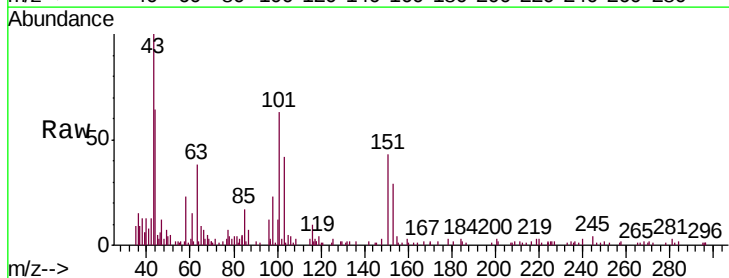
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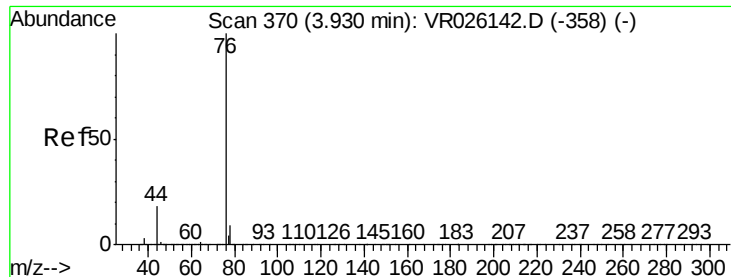
Tgt Ion: 96 Resp: 20373
Ion Ratio Lower Upper
96 100
61 296.7 126.7 235.3#
63 1185.2 125.0 232.2#



#13
Acetone
Concen: 3.911 ug/L
RT: 3.70 min Scan# 333
Delta R.T. 0.01 min
Lab File: VR026145.D
Acq: 19 Oct 2018 12:25

Tgt Ion: 43 Resp: 16245
Ion Ratio Lower Upper
43 100
58 25.3 0.0 55.4





#14

Carbon disulfide

Concen: 0.248 ug/L

RT: 3.94 min Scan# 371

Delta R.T. 0.01 min

Lab File: VR026145.D

Acq: 19 Oct 2018 12:25

Instrument :

MSVOA_R

ClientSampled :

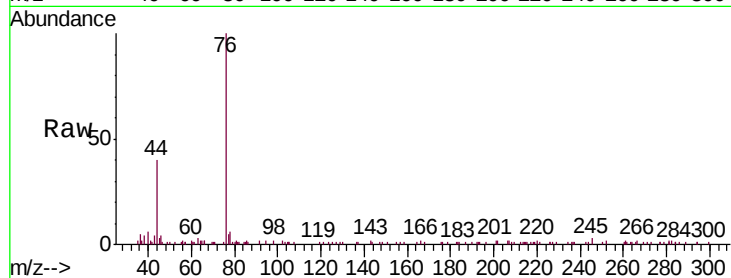
MDL

Tgt Ion: 76 Resp: 35186

Ion Ratio Lower Upper

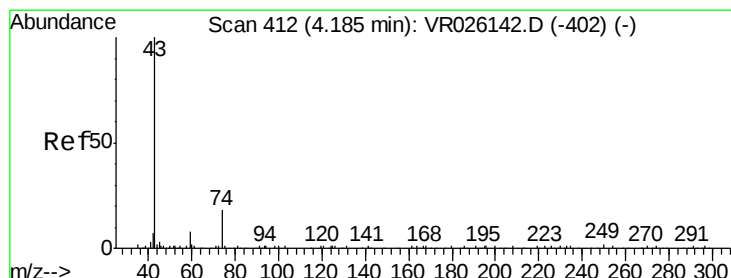
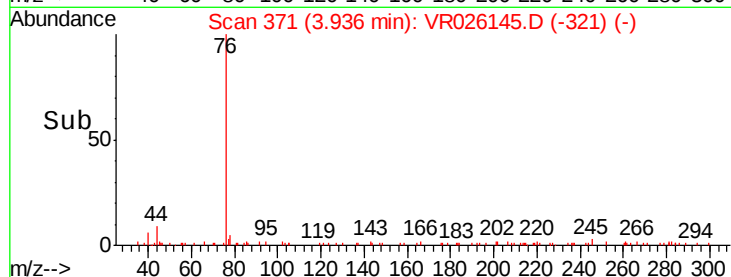
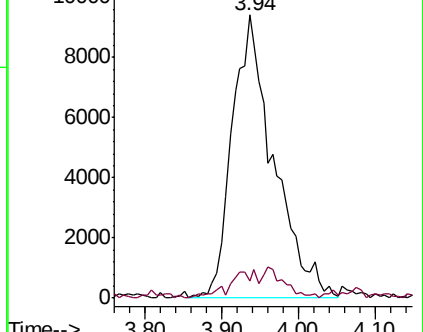
76 100

78 6.2 7.6 11.4#



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0



#15

Methyl Acetate

Concen: 0.423 ug/L

RT: 4.20 min Scan# 414

Delta R.T. 0.01 min

Lab File: VR026145.D

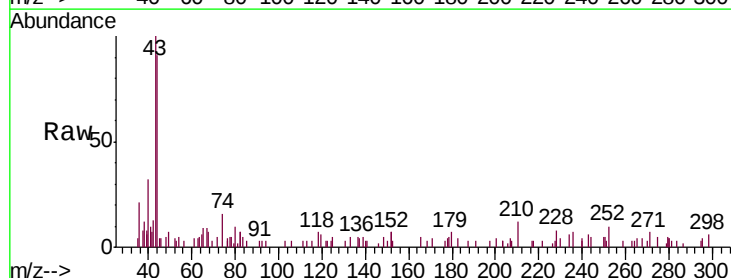
Acq: 19 Oct 2018 12:25

Tgt Ion: 43 Resp: 4593

Ion Ratio Lower Upper

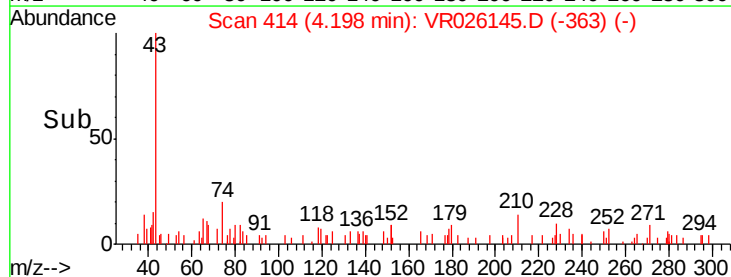
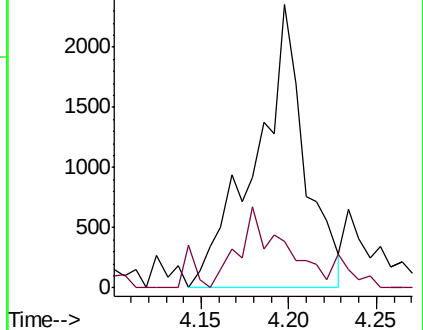
43 100

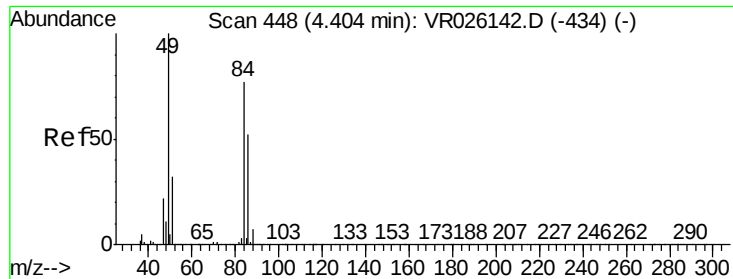
74 26.1 19.8 29.8



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0

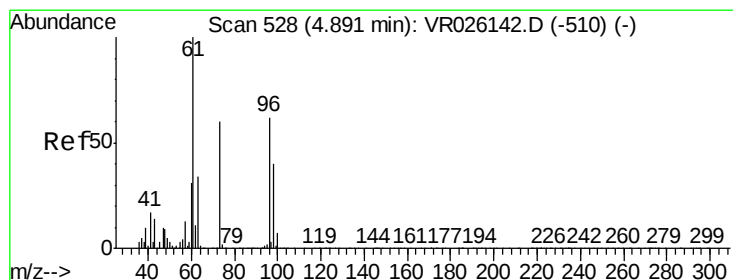
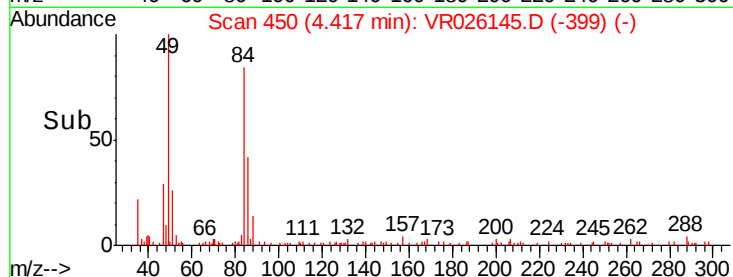
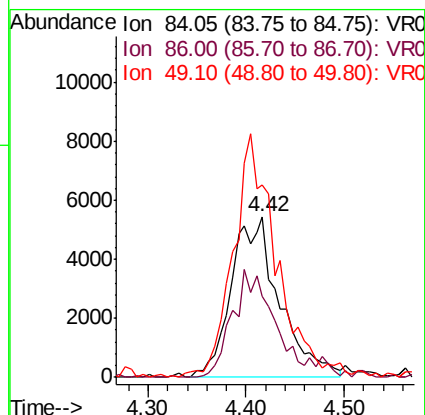
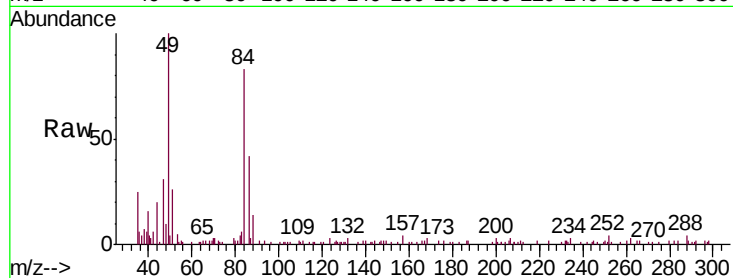




#16
Methylene chloride
Concen: 0.378 ug/L
RT: 4.42 min Scan# 450
Delta R.T. 0.01 min
Lab File: VR026145.D
Acq: 19 Oct 2018 12:25

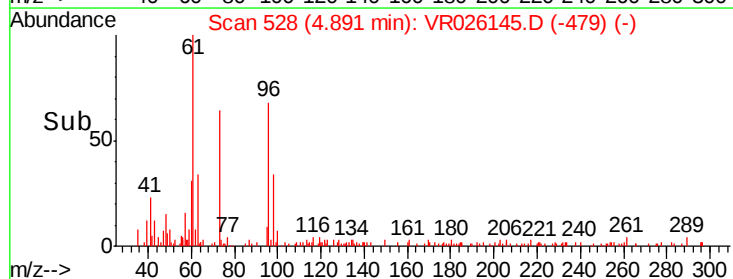
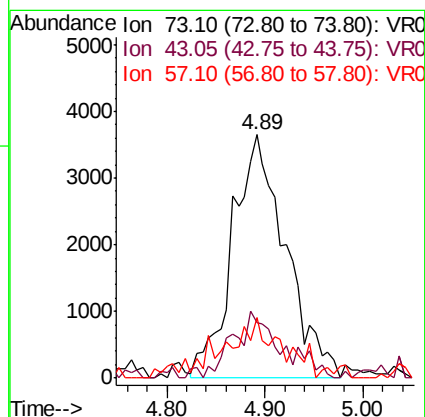
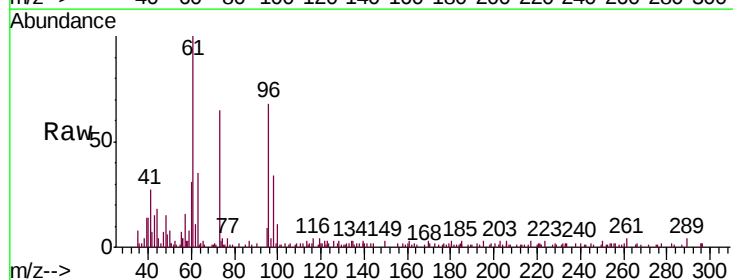
Instrument :
MSVOA_R
ClientSampled :
MDL

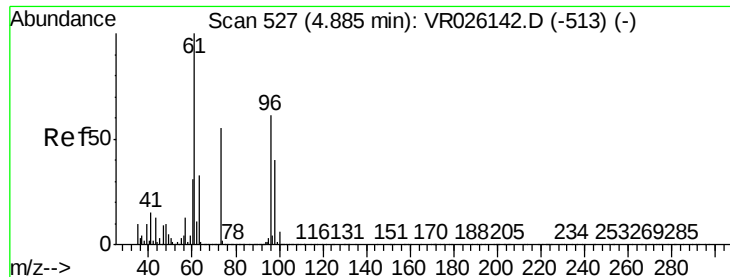
Tgt Ion: 84 Resp: 18660
Ion Ratio Lower Upper
84 100
86 50.8 43.0 79.8
49 120.1 89.1 165.5



#17
Methyl tert-butyl Ether
Concen: 0.278 ug/L
RT: 4.89 min Scan# 528
Delta R.T. 0.00 min
Lab File: VR026145.D
Acq: 19 Oct 2018 12:25

Tgt Ion: 73 Resp: 13735
Ion Ratio Lower Upper
73 100
43 20.8 20.1 30.1
57 17.0 19.0 28.4#





#18

trans-1,2-Dichloroethene

Concen: 0.292 ug/L

RT: 4.89 min Scan# 528

Delta R.T. 0.01 min

Lab File: VR026145.D

Acq: 19 Oct 2018 12:25

Instrument :

MSVOA_R

ClientSampleId :

MDL

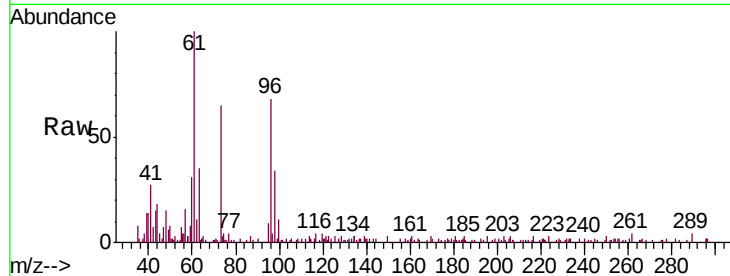
Tgt Ion: 96 Resp: 12012

Ion Ratio Lower Upper

96 100

61 146.4 111.4 206.8

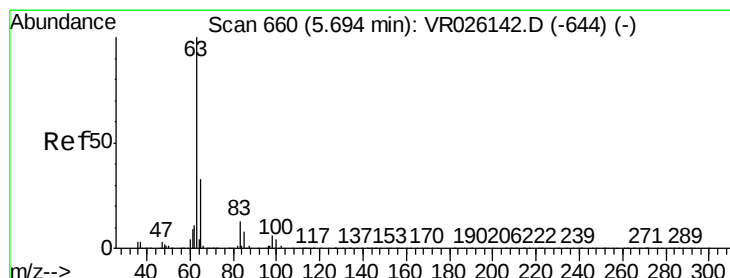
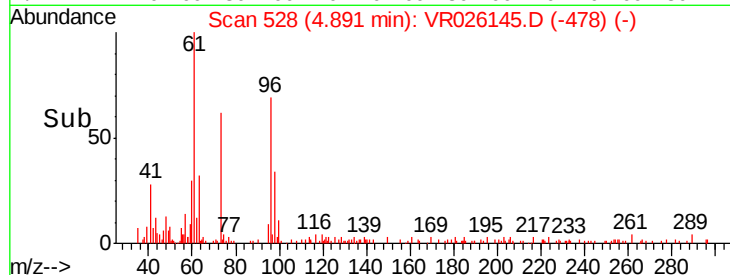
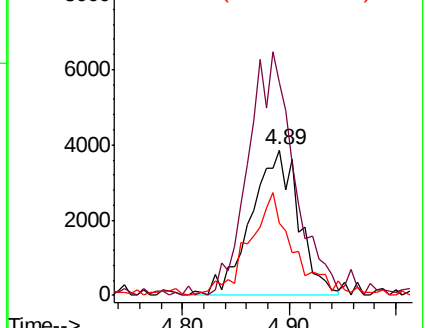
98 49.5 41.4 77.0



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: 0.295 ug/L

RT: 5.69 min Scan# 660

Delta R.T. 0.00 min

Lab File: VR026145.D

Acq: 19 Oct 2018 12:25

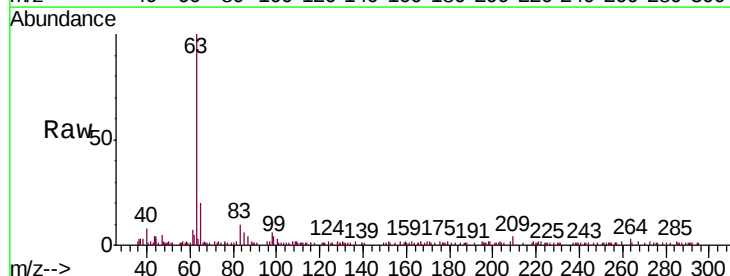
Tgt Ion: 63 Resp: 22767

Ion Ratio Lower Upper

63 100

65 19.9 21.2 39.4#

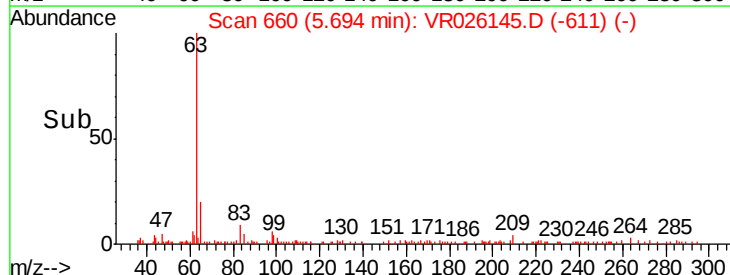
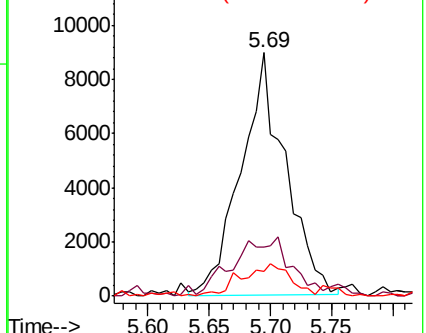
83 10.0 9.2 17.2

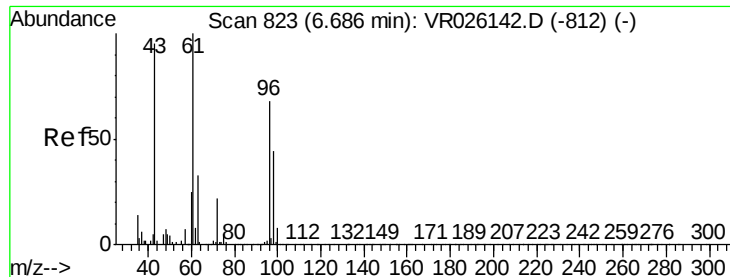


Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 65.10 (64.80 to 65.80): VR0

Ion 83.05 (82.75 to 83.75): VR0





#21

2-Butanone

Concen: 2.872 ug/L

RT: 6.69 min Scan# 824

Delta R.T. 0.01 min

Lab File: VR026145.D

Acq: 19 Oct 2018 12:25

Instrument :

MSVOA_R

ClientSampled :

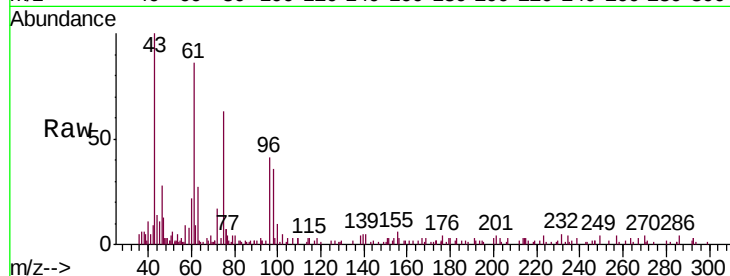
MDL

Tgt Ion: 43 Resp: 13759

Ion Ratio Lower Upper

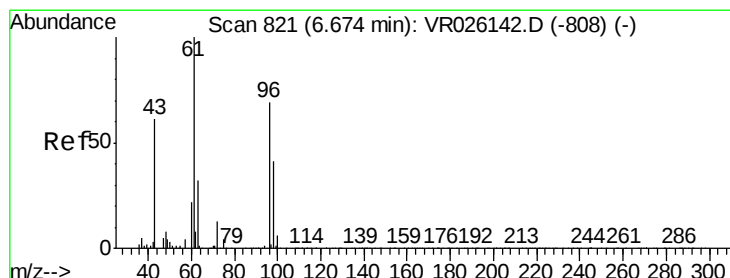
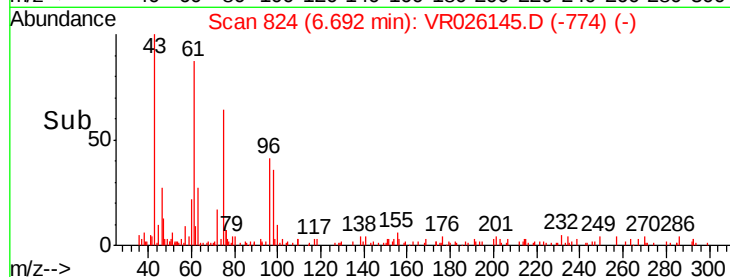
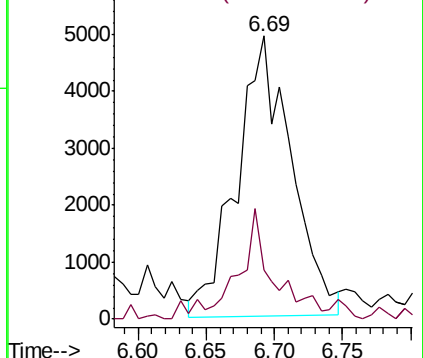
43 100

72 26.3 12.3 36.8



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 72.10 (71.80 to 72.80): VR0



#22

cis-1,2-Dichloroethene

Concen: 0.319 ug/L

RT: 6.67 min Scan# 821

Delta R.T. 0.00 min

Lab File: VR026145.D

Acq: 19 Oct 2018 12:25

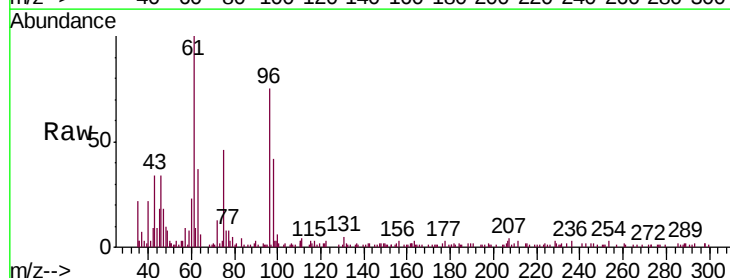
Tgt Ion: 96 Resp: 12392

Ion Ratio Lower Upper

96 100

61 131.6 101.8 189.0

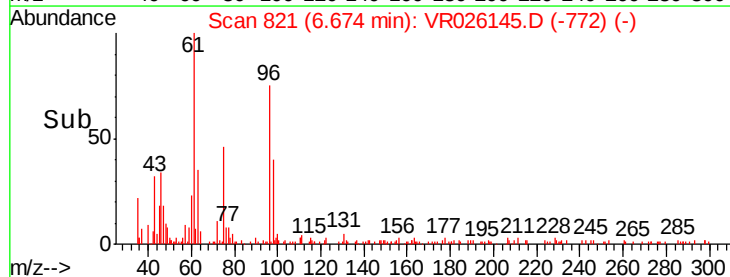
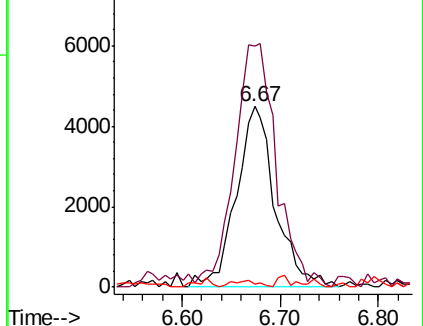
68 1.9 0.1 0.3#

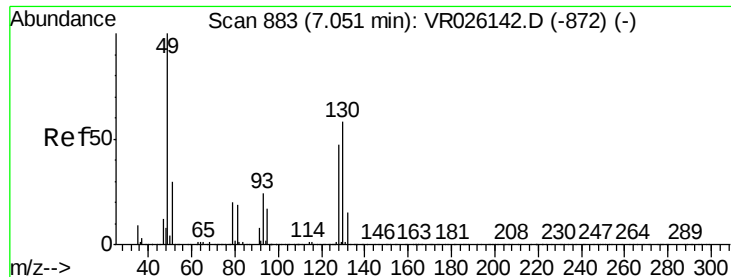


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 68.15 (67.85 to 68.85): VR0





#23

Bromochloromethane

Concen: 0.323 ug/L

RT: 7.04 min Scan# 881

Delta R.T. -0.01 min

Lab File: VR026145.D

Acq: 19 Oct 2018 12:25

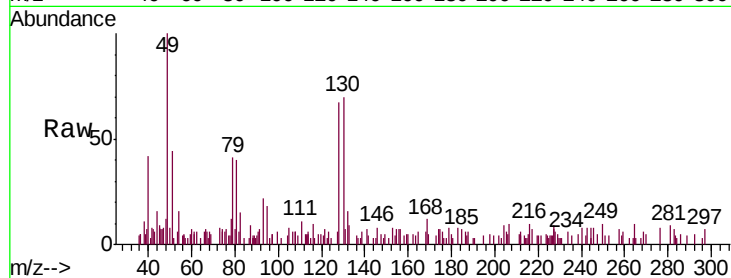
Instrument :

MSVOA_R

ClientSampled :

MDL

Tgt Ion:	128	Resp:	3523
Ion	Ratio	Lower	Upper
128	100		
49	149.1	146.2	271.4
130	104.1	92.5	171.7
51	66.2	55.6	83.4

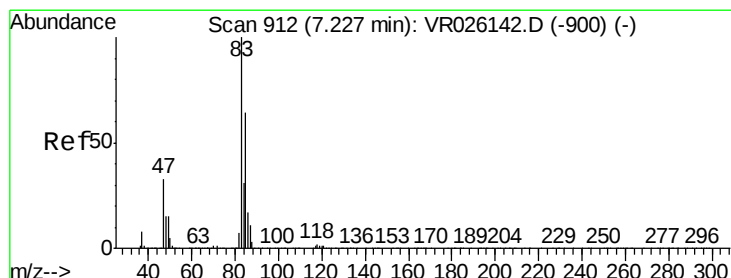
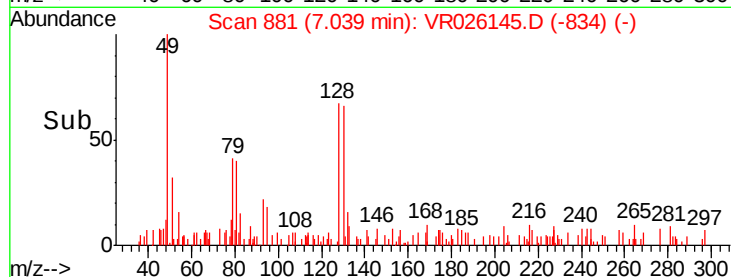
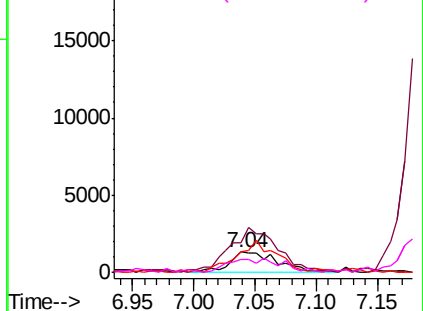


Abundance Ion 127.90 (127.60 to 128.60): V

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: 0.306 ug/L

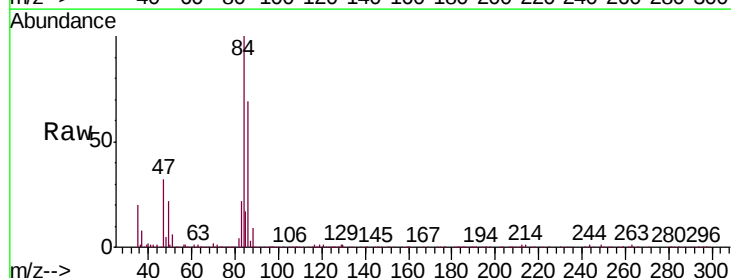
RT: 7.23 min Scan# 912

Delta R.T. 0.00 min

Lab File: VR026145.D

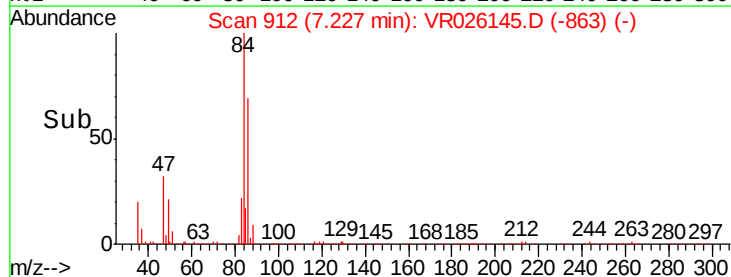
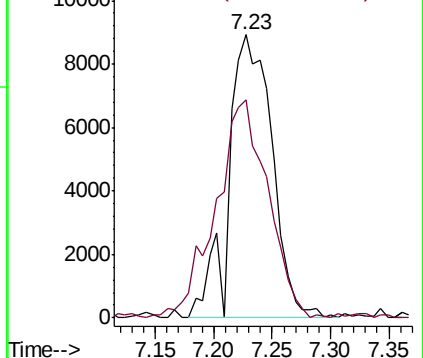
Acq: 19 Oct 2018 12:25

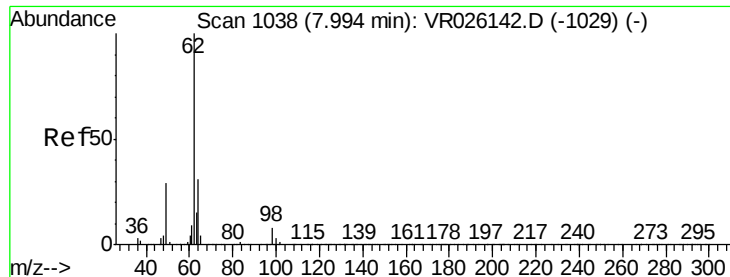
Tgt Ion:	83	Resp:	23036
Ion	Ratio	Lower	Upper
83	100		
85	77.1	43.5	80.7



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0

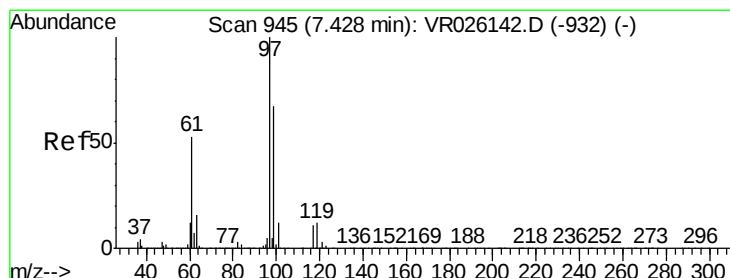
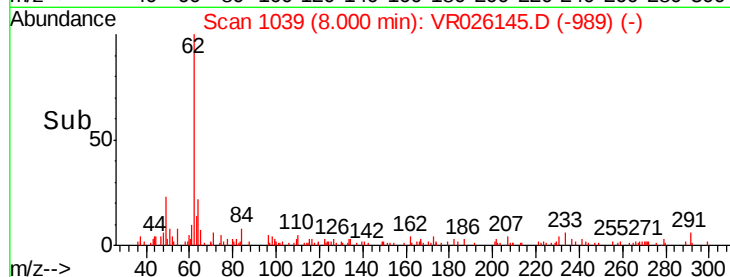
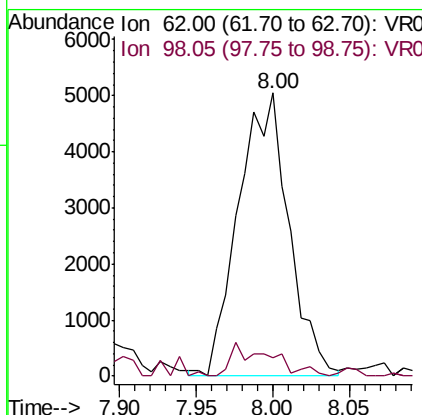
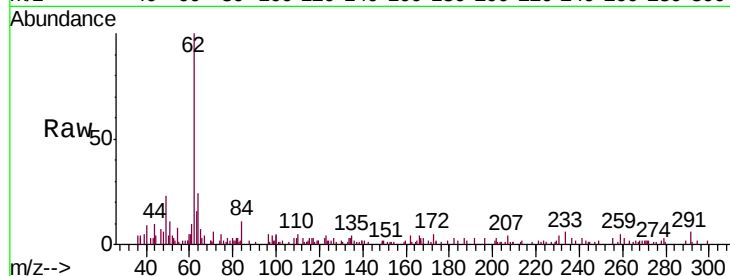




#27
 1,2-Dichloroethane
 Concen: 0.313 ug/L
 RT: 8.00 min Scan# 1039
 Delta R.T. 0.01 min
 Lab File: VR026145.D
 Acq: 19 Oct 2018 12:25

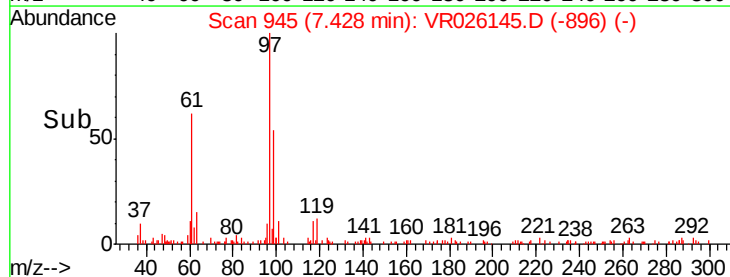
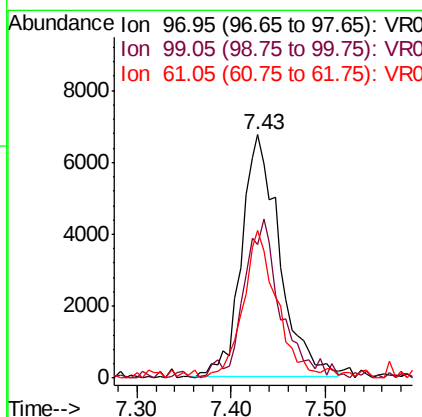
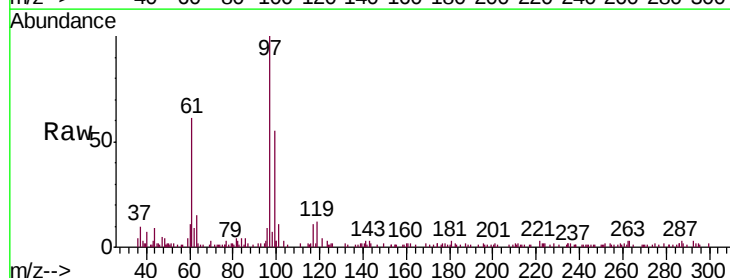
Instrument :
 MSVOA_R
 ClientSampleId :
 MDL

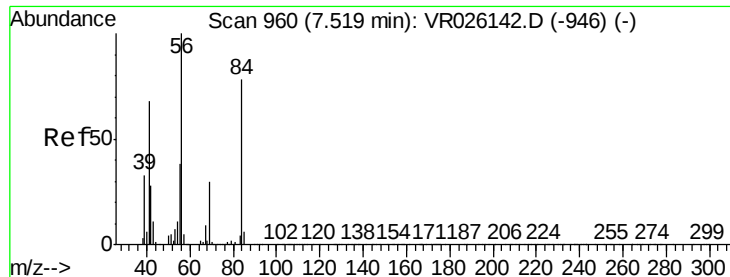
Tgt Ion: 62 Resp: 11537
 Ion Ratio Lower Upper
 62 100
 98 6.4 5.6 8.4



#29
 1,1,1-Trichloroethane
 Concen: 0.291 ug/L
 RT: 7.43 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VR026145.D
 Acq: 19 Oct 2018 12:25

Tgt Ion: 97 Resp: 18748
 Ion Ratio Lower Upper
 97 100
 99 62.4 51.1 76.7
 61 54.6 42.1 63.1

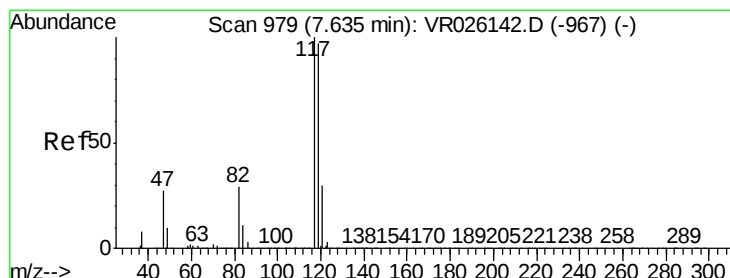
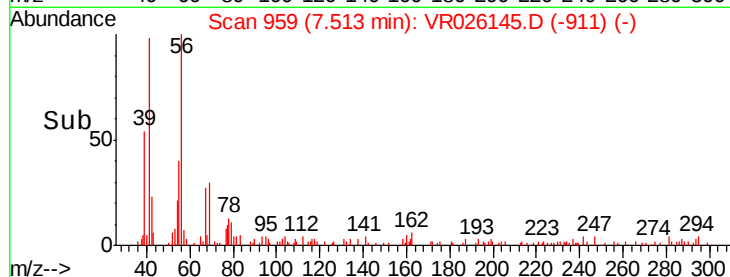
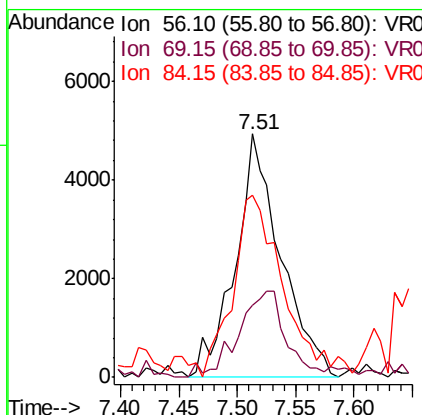
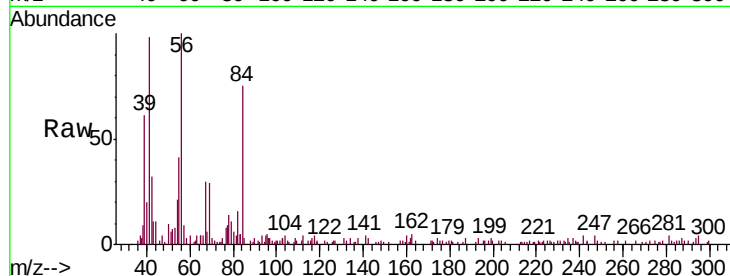




#30
Cyclohexane
Concen: 0.206 ug/L
RT: 7.51 min Scan# 959
Delta R.T. -0.01 min
Lab File: VR026145.D
Acq: 19 Oct 2018 12:25

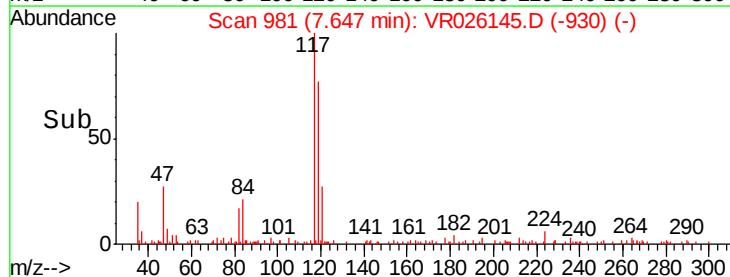
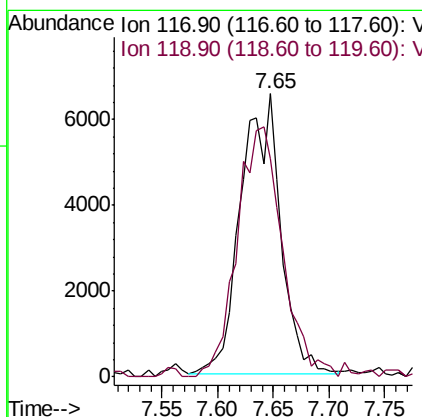
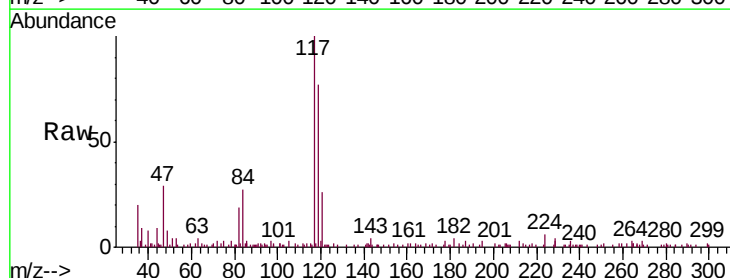
Instrument :
MSVOA_R
ClientSampleId :
MDL

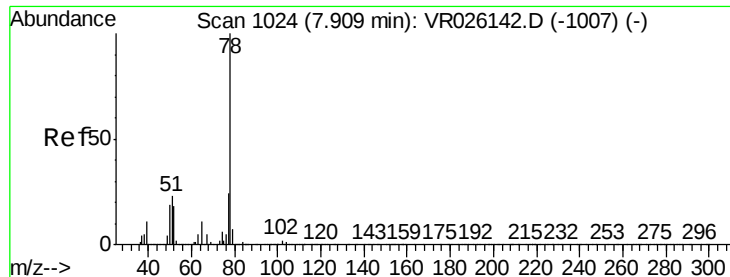
Tgt Ion: 56 Resp: 13317
Ion Ratio Lower Upper
56 100
69 33.4 23.8 35.8
84 83.5 62.2 93.4



#31
Carbon tetrachloride
Concen: 0.277 ug/L
RT: 7.65 min Scan# 981
Delta R.T. 0.01 min
Lab File: VR026145.D
Acq: 19 Oct 2018 12:25

Tgt Ion: 117 Resp: 16247
Ion Ratio Lower Upper
117 100
119 101.3 74.2 111.2





#33

Benzene

Concen: 0.320 ug/L

RT: 7.91 min Scan# 1024

Delta R.T. 0.00 min

Lab File: VR026145.D

Acq: 19 Oct 2018 12:25

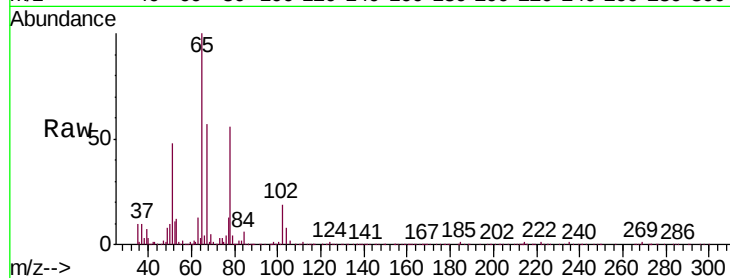
Instrument :

MSVOA_R

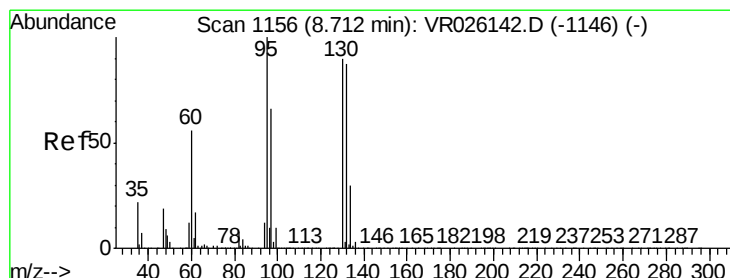
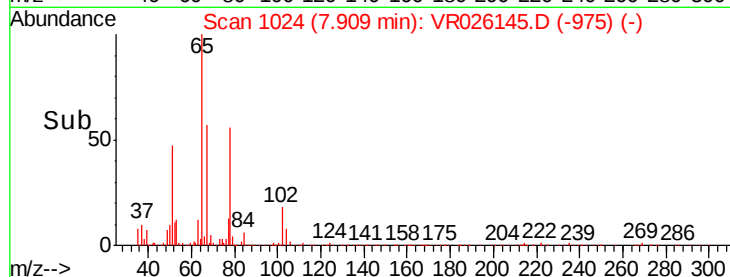
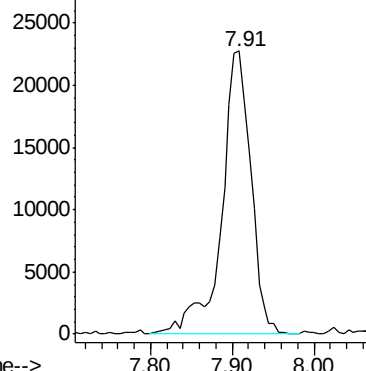
ClientSampleId :

MDL

Tgt Ion: 78 Resp: 56666



Abundance Ion 78.10 (77.80 to 78.80): VR0



#34

Trichloroethene

Concen: 0.285 ug/L

RT: 8.71 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VR026145.D

Acq: 19 Oct 2018 12:25

Tgt Ion: 95 Resp: 12932

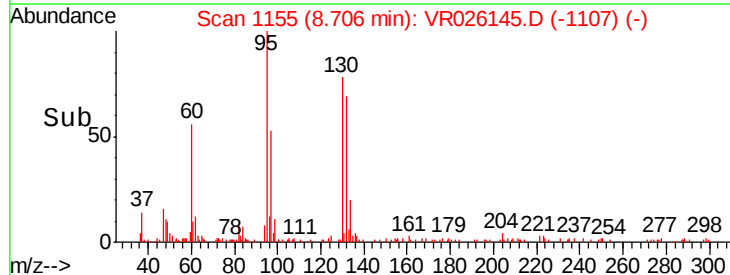
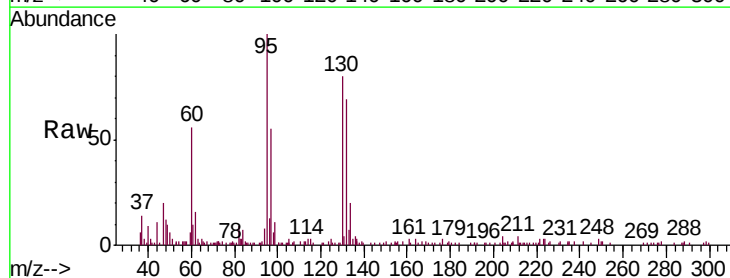
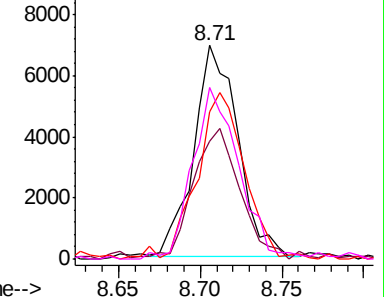
Ion	Ratio	Lower	Upper
95	100		
97	55.1	45.7	84.9
132	68.6	58.3	108.3
130	80.4	64.0	119.0

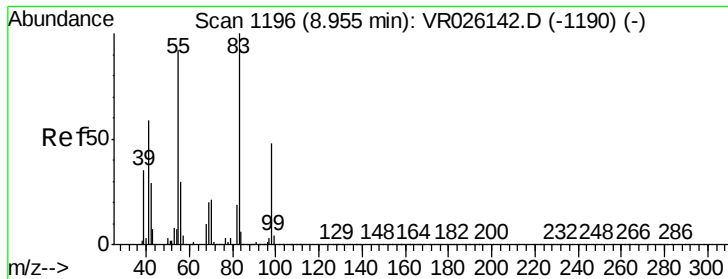
Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

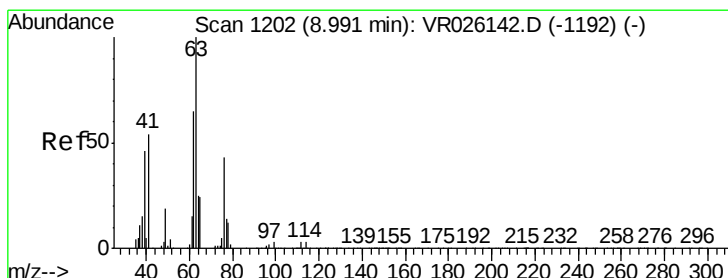
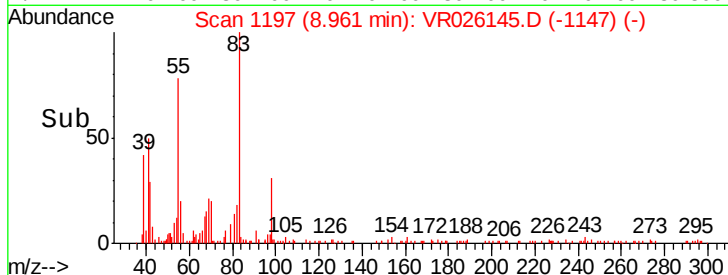
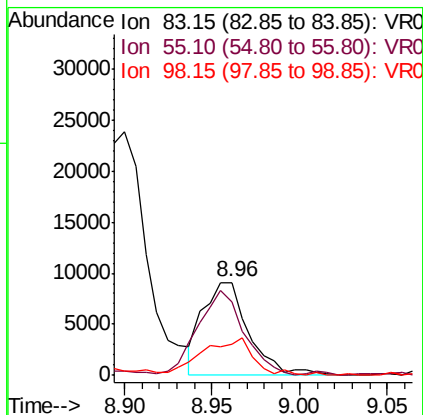
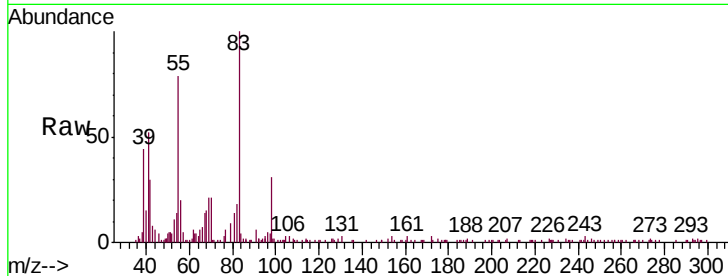




#35
Methylcyclohexane
Concen: 0.246 ug/L
RT: 8.96 min Scan# 1197
Delta R.T. 0.01 min
Lab File: VR026145.D
Acq: 19 Oct 2018 12:25

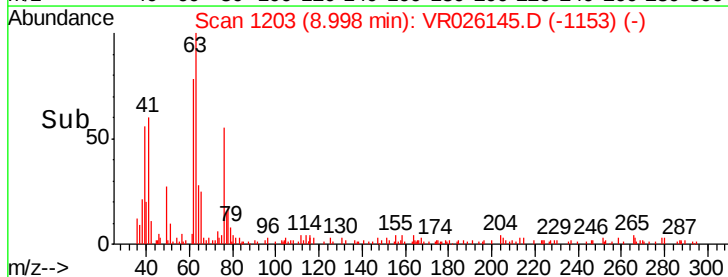
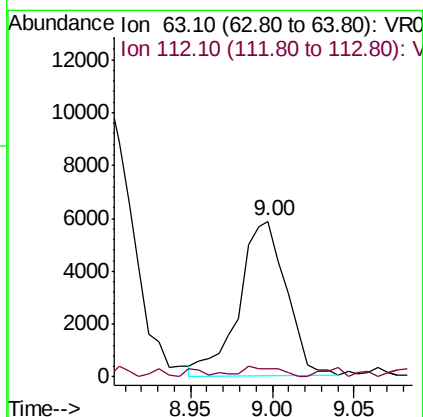
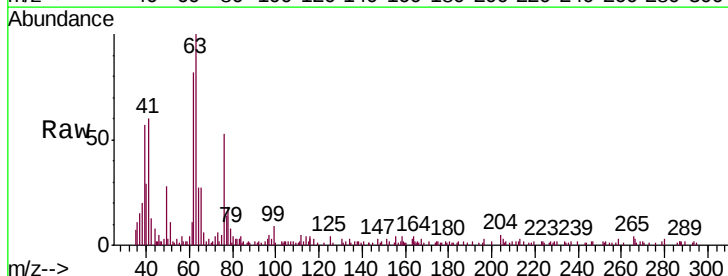
Instrument :
MSVOA_R
ClientSampleId :
MDL

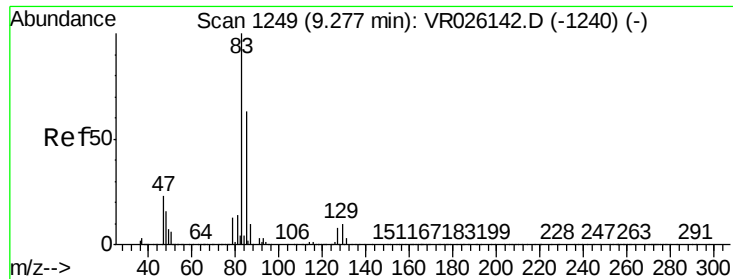
Tgt Ion: 83 Resp: 16586
Ion Ratio Lower Upper
83 100
55 91.4 66.8 100.2
98 44.3 35.2 52.8



#37
1,2-Dichloropropane
Concen: 0.313 ug/L
RT: 9.00 min Scan# 1203
Delta R.T. 0.01 min
Lab File: VR026145.D
Acq: 19 Oct 2018 12:25

Tgt Ion: 63 Resp: 11686
Ion Ratio Lower Upper
63 100
112 4.9 2.7 4.1#





#38

Bromodichloromethane

Concen: 0.285 ug/L

RT: 9.28 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VR026145.D

Acq: 19 Oct 2018 12:25

Instrument :

MSVOA_R

ClientSampleId :

MDL

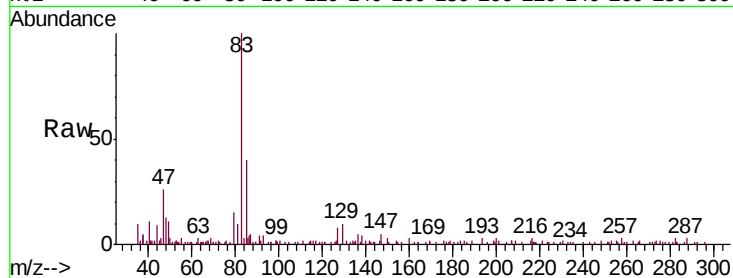
Tgt Ion: 83 Resp: 11448

Ion Ratio Lower Upper

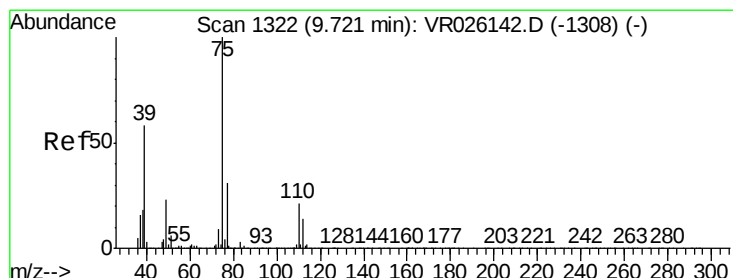
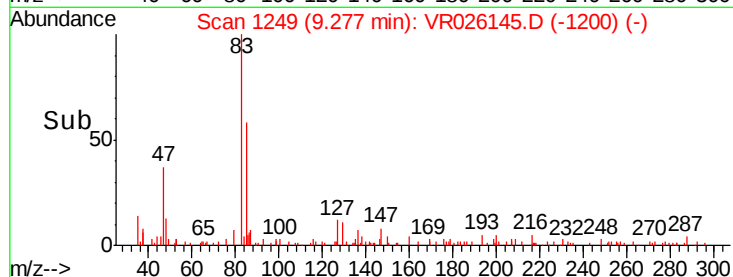
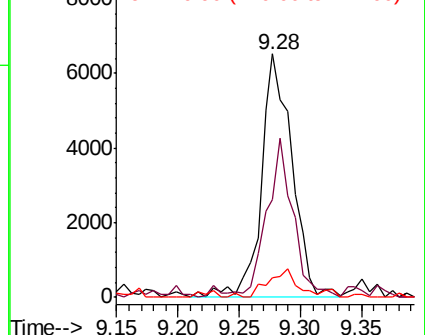
83 100

85 40.2 43.5 80.7#

127 8.1 7.0 10.6



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): VR0



#39

cis-1,3-Dichloropropene

Concen: 0.283 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VR026145.D

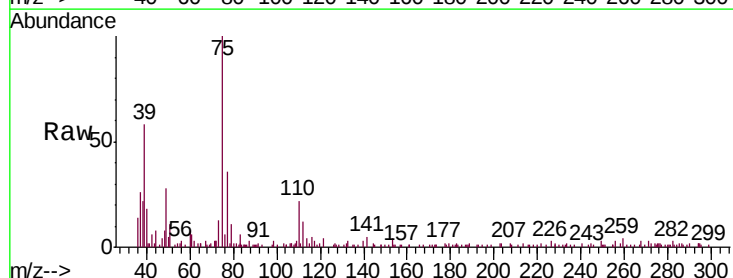
Acq: 19 Oct 2018 12:25

Tgt Ion: 75 Resp: 12091

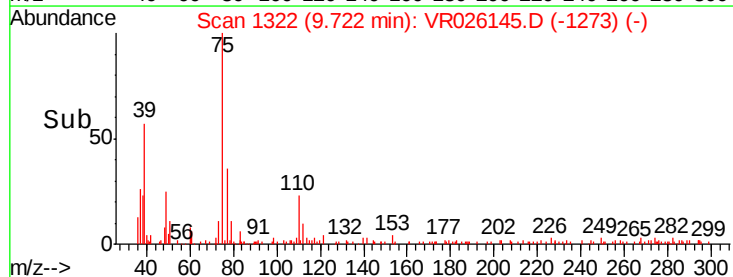
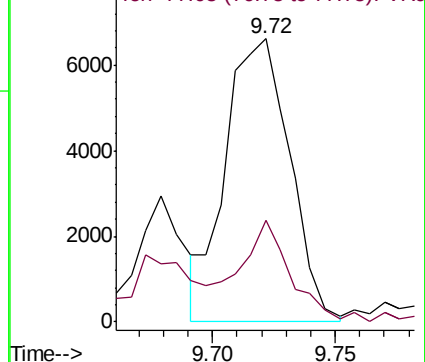
Ion Ratio Lower Upper

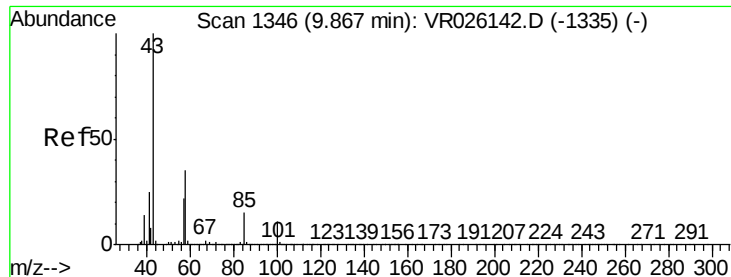
75 100

77 35.8 22.7 42.1



Abundance Ion 75.05 (74.75 to 75.75): VR0
Ion 77.05 (76.75 to 77.75): VR0

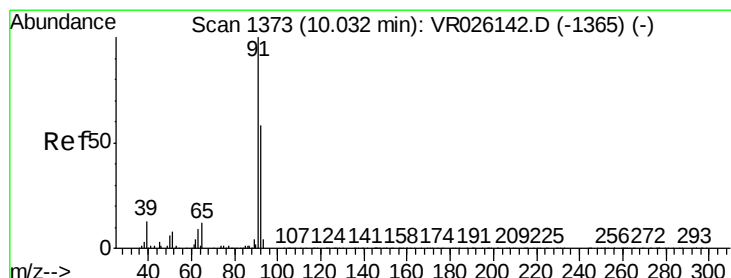
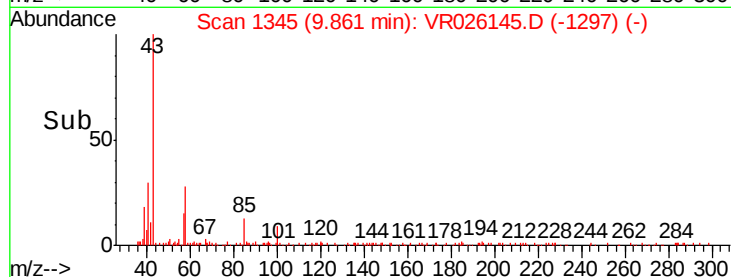
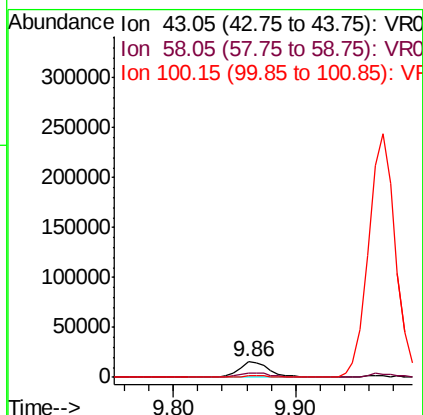
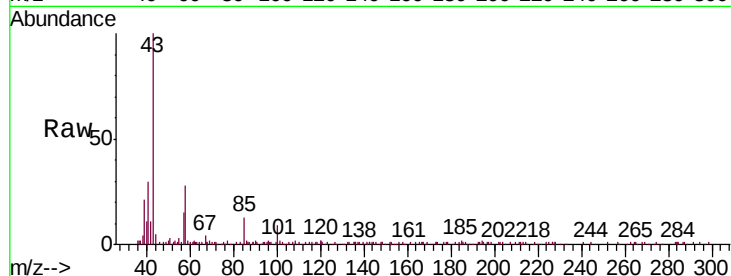




#40
 4-Methyl-2-pentanone
 Concen: 2.366 ug/L
 RT: 9.86 min Scan# 1345
 Delta R.T. -0.01 min
 Lab File: VR026145.D
 Acq: 19 Oct 2018 12:25

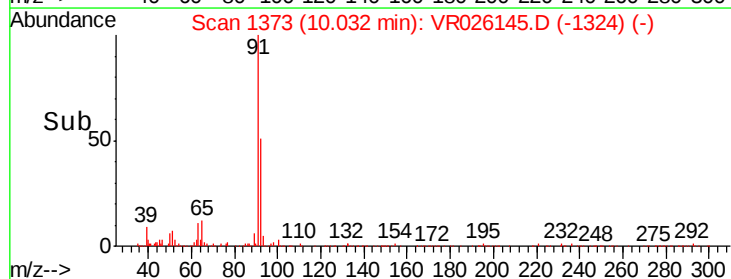
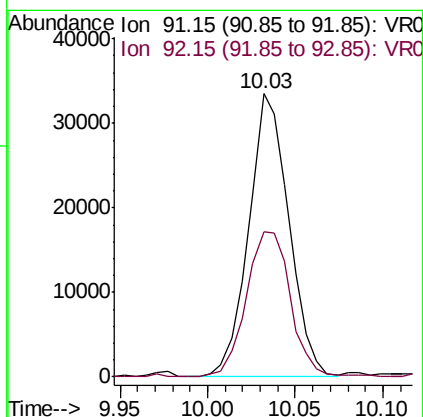
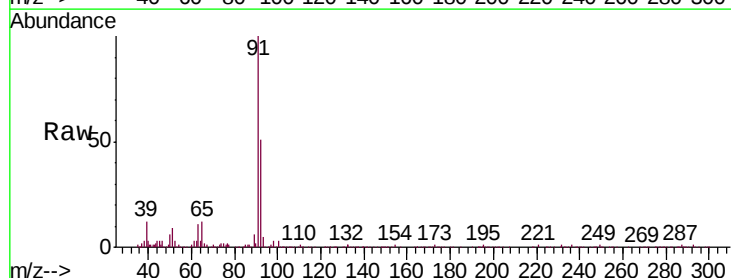
Instrument :
 MSVOA_R
 ClientSampleId :
 MDL

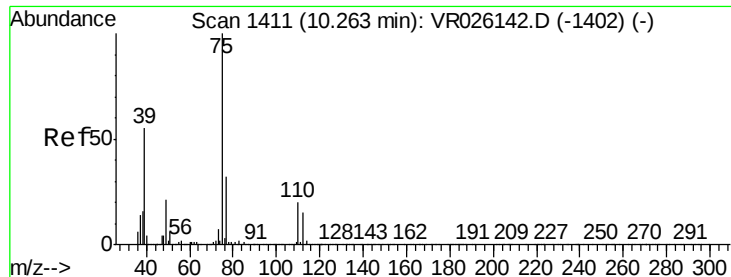
Tgt Ion: 43 Resp: 27003
 Ion Ratio Lower Upper
 43 100
 58 33.7 28.1 42.1
 100 0.0 9.3 13.9#



#42
 Toluene
 Concen: 0.285 ug/L
 RT: 10.03 min Scan# 1373
 Delta R.T. 0.00 min
 Lab File: VR026145.D
 Acq: 19 Oct 2018 12:25

Tgt Ion: 91 Resp: 53251
 Ion Ratio Lower Upper
 91 100
 92 51.5 40.8 75.8





#44

trans-1,3-Dichloropropene

Concen: 0.316 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR026145.D

Acq: 19 Oct 2018 12:25

Instrument :

MSVOA_R

ClientSampleID :

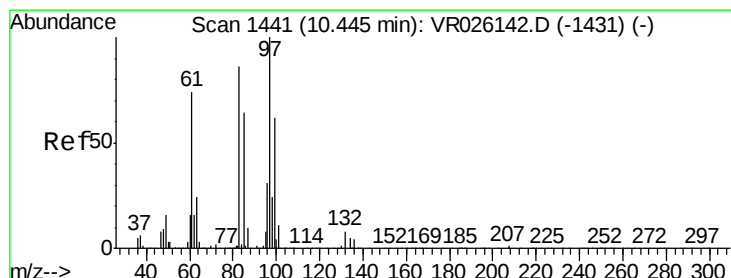
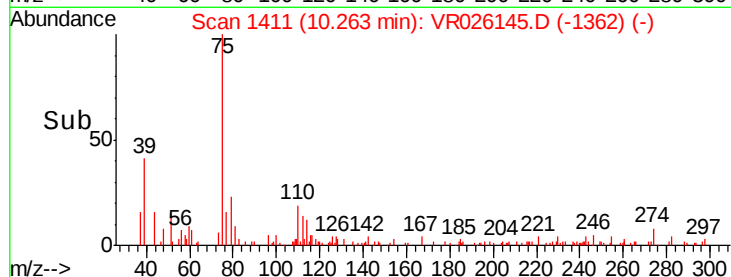
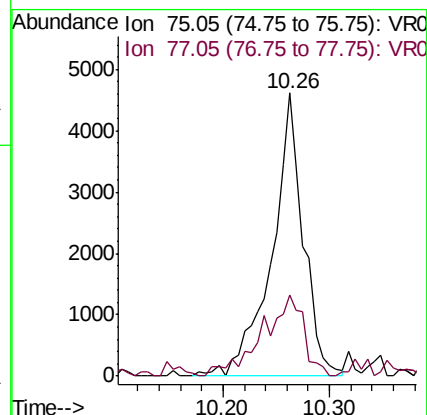
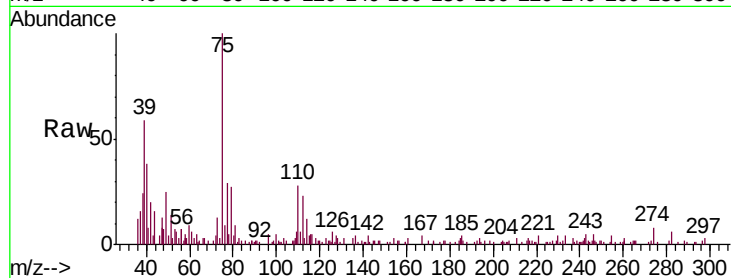
MDL

Tgt Ion: 75 Resp: 9458

Ion Ratio Lower Upper

75 100

77 28.7 24.1 44.7



#45

1,1,2-Trichloroethane

Concen: 0.354 ug/L

RT: 10.45 min Scan# 1442

Delta R.T. 0.01 min

Lab File: VR026145.D

Acq: 19 Oct 2018 12:25

Tgt Ion: 97 Resp: 5582

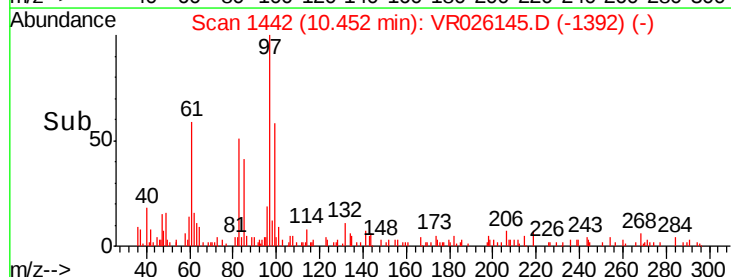
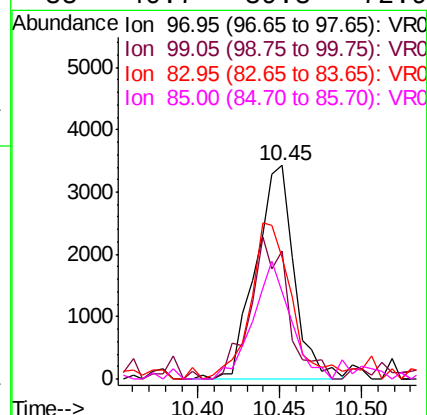
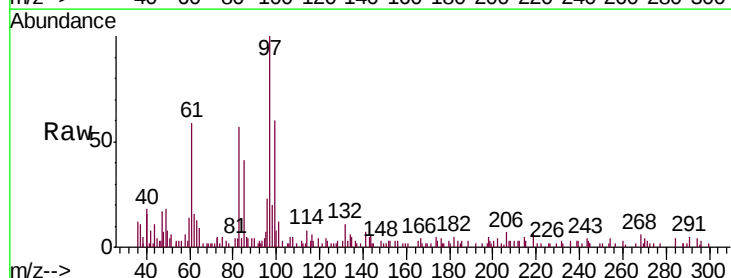
Ion Ratio Lower Upper

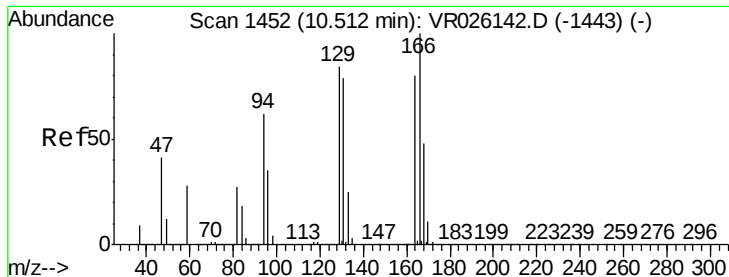
97 100

99 60.1 42.8 79.4

83 56.7 61.9 114.9#

85 40.7 39.3 72.9





#47

Tetrachloroethene

Concen: 0.275 ug/L

RT: 10.51 min Scan# 1451

Delta R.T. -0.01 min

Lab File: VR026145.D

Acq: 19 Oct 2018 12:25

Instrument :

MSVOA_R

ClientSampleId :

MDL

Tgt Ion:164 Resp: 8917

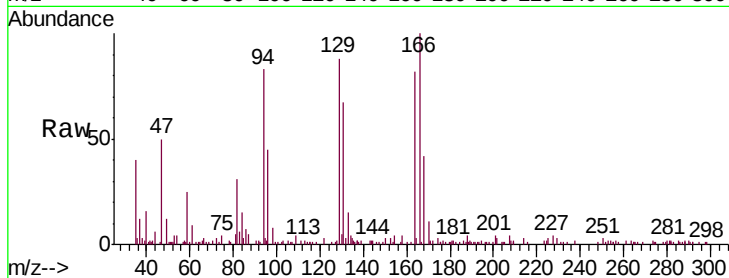
Ion Ratio Lower Upper

164 100

129 103.1 70.3 130.5

131 77.7 67.3 125.1

166 116.7 86.1 159.9



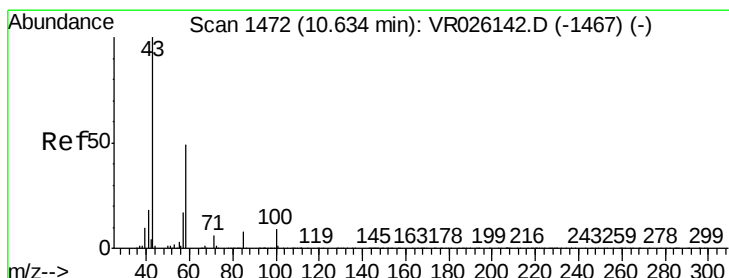
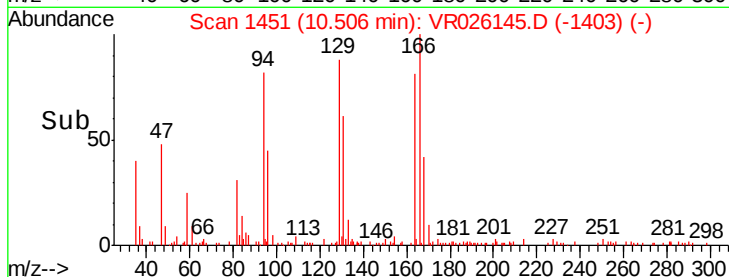
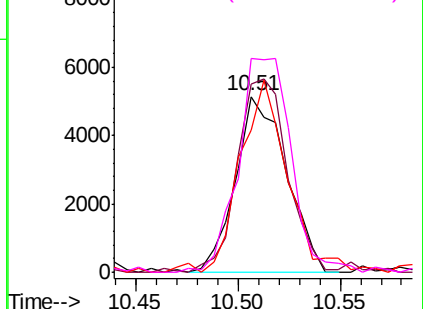
Abundance

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: 3.035 ug/L

RT: 10.63 min Scan# 1472

Delta R.T. 0.00 min

Lab File: VR026145.D

Acq: 19 Oct 2018 12:25

Tgt Ion: 43 Resp: 22629

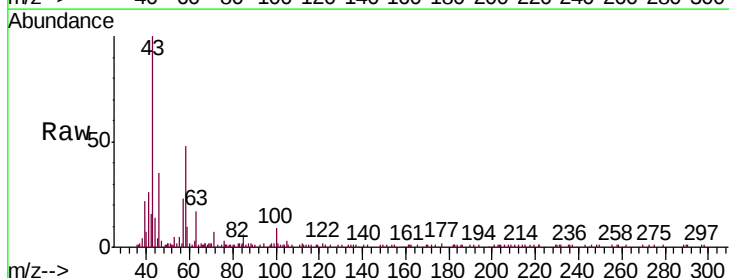
Ion Ratio Lower Upper

43 100

58 48.2 39.6 59.4

57 14.5 14.0 21.0

100 9.5 7.0 10.6



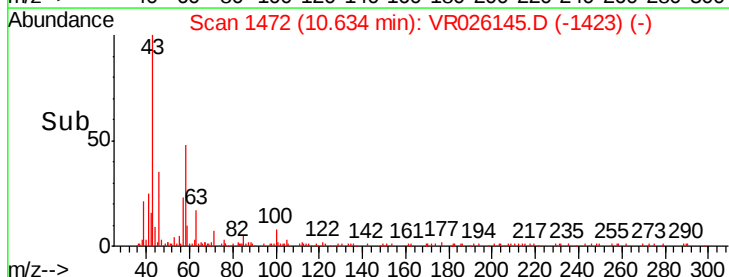
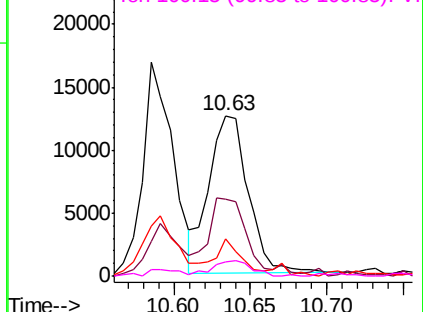
Abundance

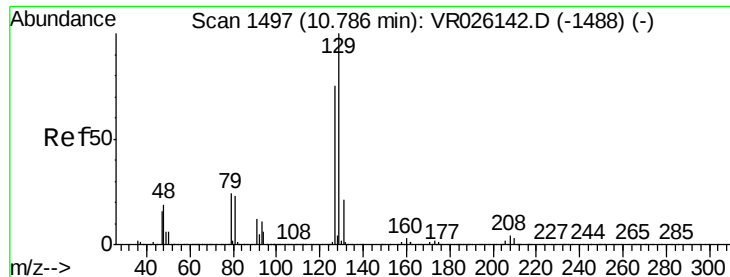
Ion 43.05 (42.75 to 43.75): VR0

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: 0.286 ug/L

RT: 10.79 min Scan# 1497

Delta R.T. 0.00 min

Lab File: VR026145.D

Acq: 19 Oct 2018 12:25

Instrument :

MSVOA_R

ClientSampleId :

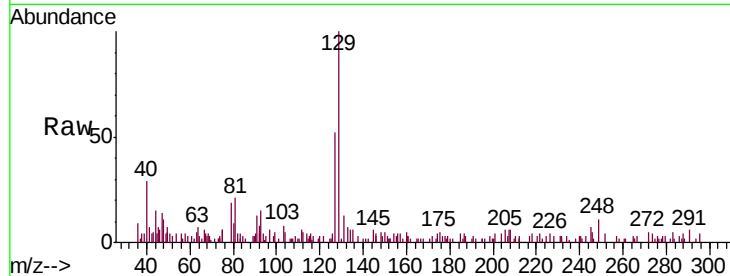
MDL

Tgt Ion:129 Resp: 5071

Ion Ratio Lower Upper

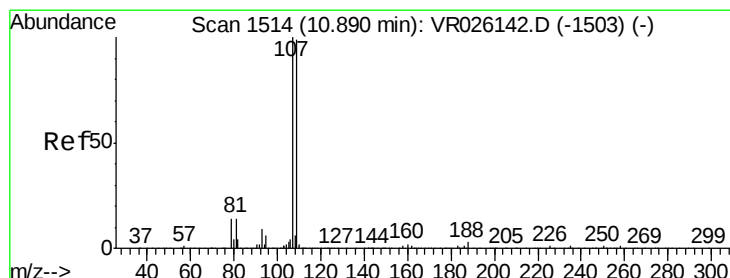
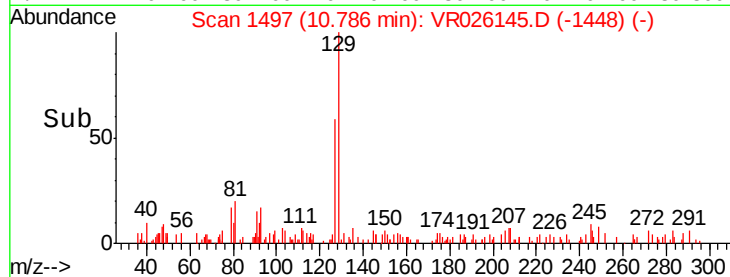
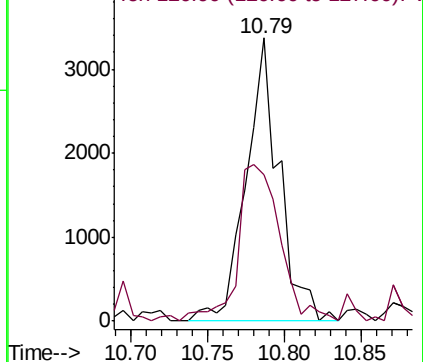
129 100

127 51.5 55.0 102.2#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#50

1,2-Dibromoethane

Concen: 0.320 ug/L

RT: 10.89 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VR026145.D

Acq: 19 Oct 2018 12:25

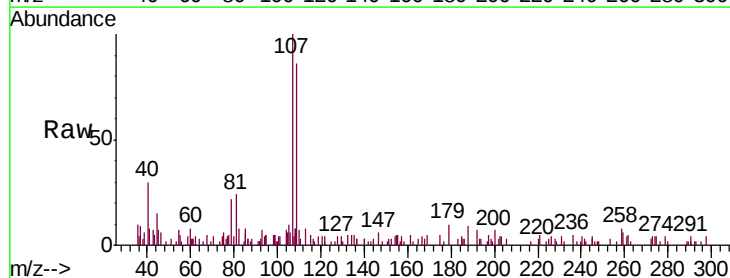
Tgt Ion:107 Resp: 4360

Ion Ratio Lower Upper

107 100

109 86.1 58.7 109.1

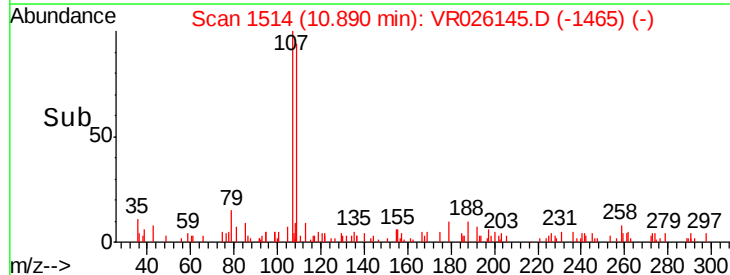
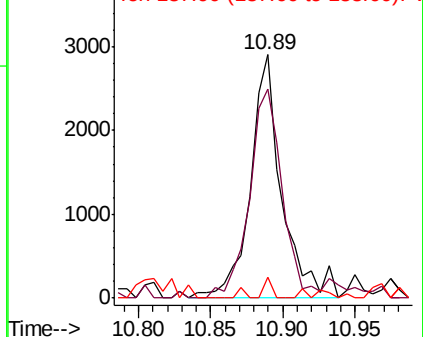
188 8.7 2.9 4.3#

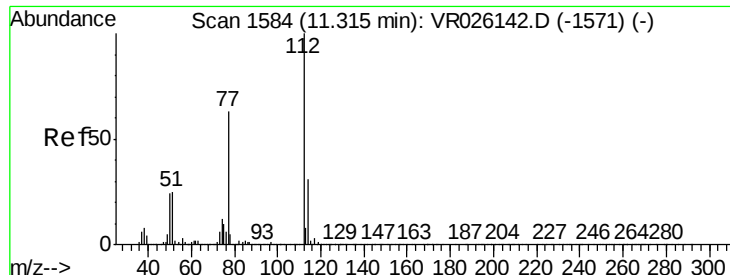


Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V





#51

Chlorobenzene

Concen: 0.281 ug/L

RT: 11.32 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VR026145.D

Acq: 19 Oct 2018 12:25

Instrument :

MSVOA_R

ClientSampled :

MDL

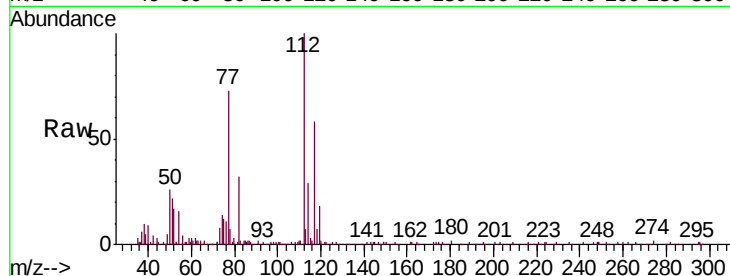
Tgt Ion: 112 Resp: 29091

Ion Ratio Lower Upper

112 100

114 29.5 22.8 42.4

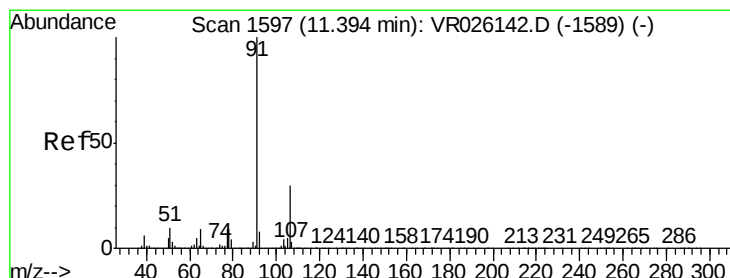
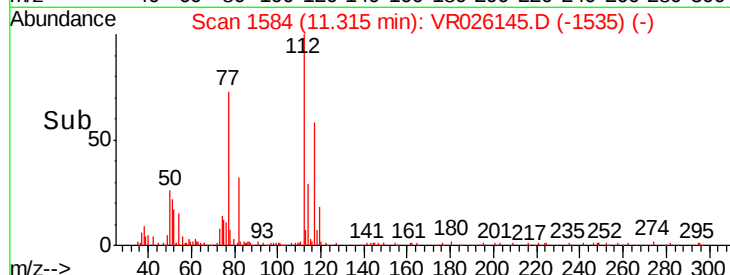
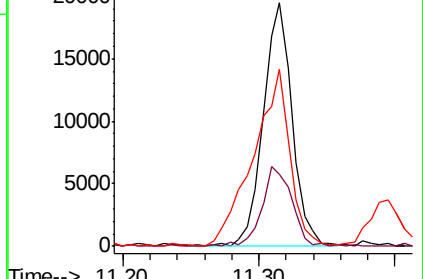
77 72.9 51.5 77.3



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VR0



#52

Ethylbenzene

Concen: 0.250 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR026145.D

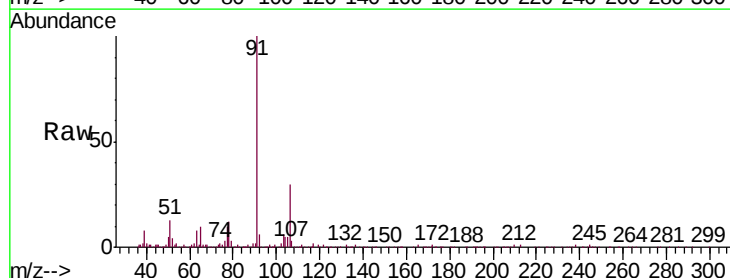
Acq: 19 Oct 2018 12:25

Tgt Ion: 91 Resp: 53728

Ion Ratio Lower Upper

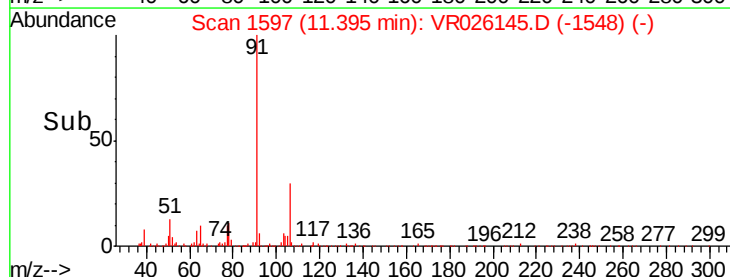
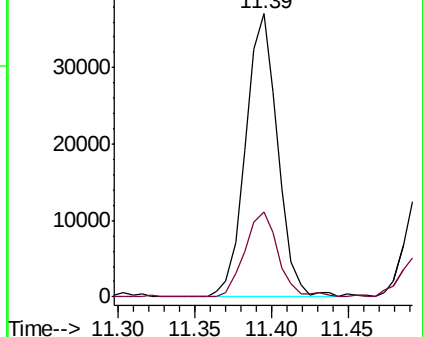
91 100

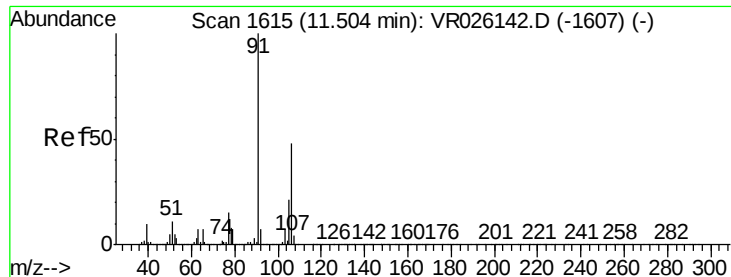
106 30.2 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 0.217 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR026145.D

Acq: 19 Oct 2018 12:25

Instrument :

MSVOA_R

ClientSampleId :

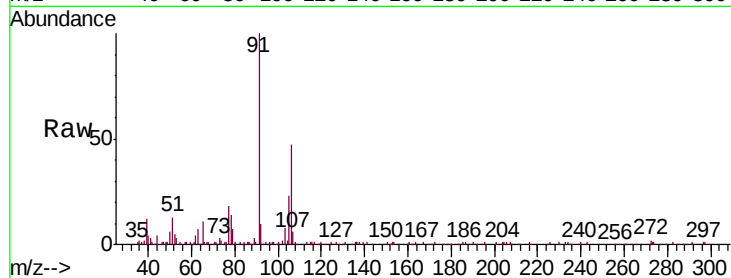
MDL

Tgt Ion:106 Resp: 16963

Ion Ratio Lower Upper

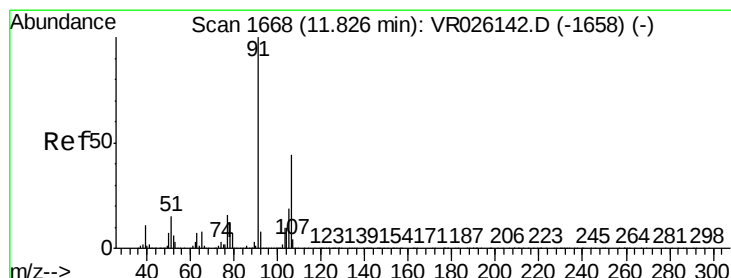
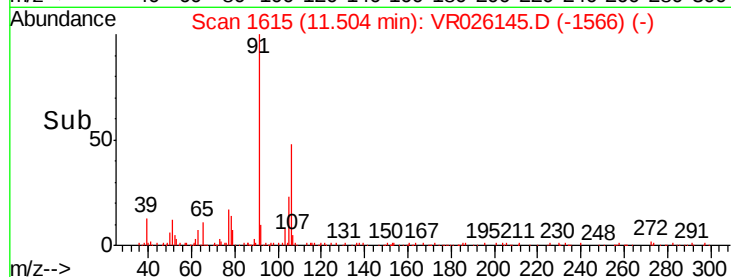
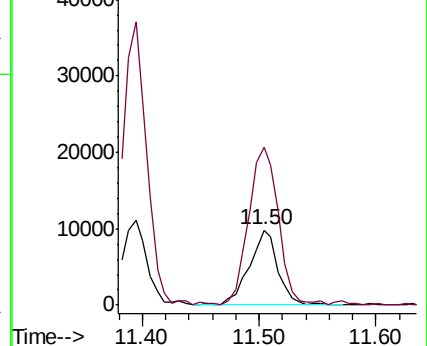
106 100

91 210.7 145.3 269.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0



#54

o-Xylene

Concen: 0.210 ug/L

RT: 11.83 min Scan# 1669

Delta R.T. 0.01 min

Lab File: VR026145.D

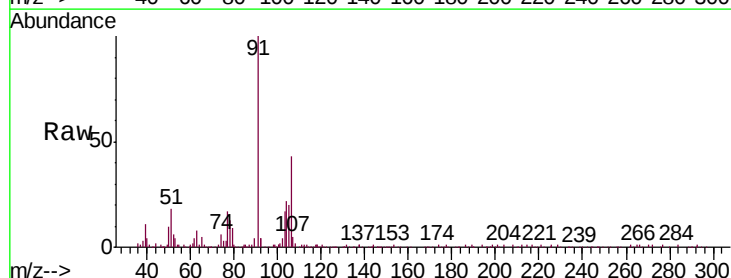
Acq: 19 Oct 2018 12:25

Tgt Ion:106 Resp: 15094

Ion Ratio Lower Upper

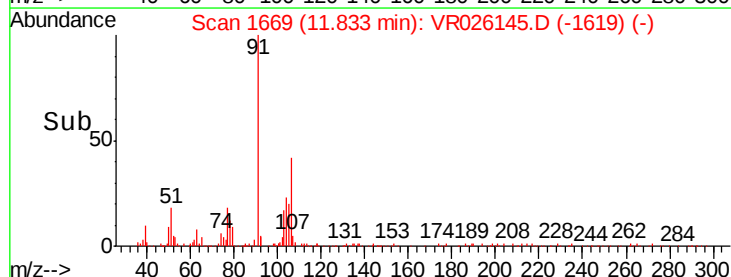
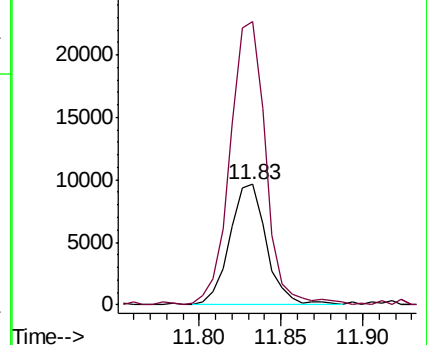
106 100

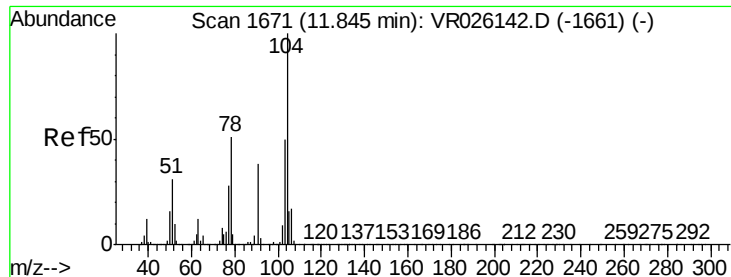
91 234.9 155.8 289.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0





#55

Styrene

Concen: 0.180 ug/L

RT: 11.84 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VR026145.D

Acq: 19 Oct 2018 12:25

Instrument :

MSVOA_R

ClientSampleId :

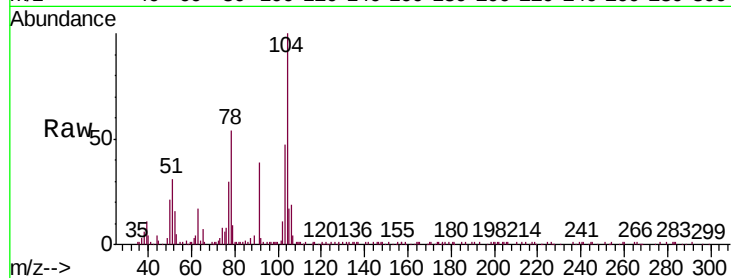
MDL

Tgt Ion:104 Resp: 19921

Ion Ratio Lower Upper

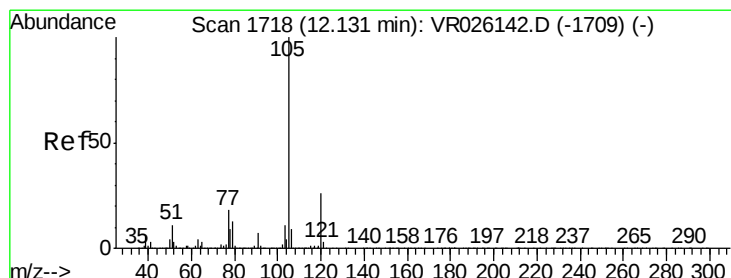
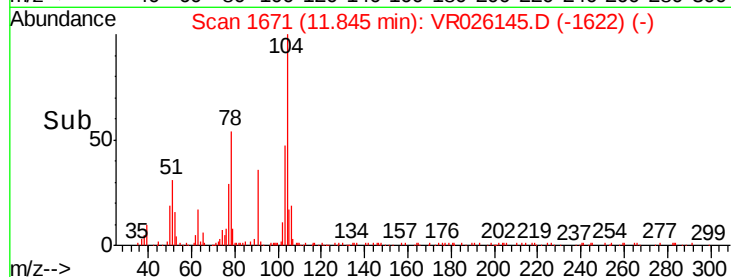
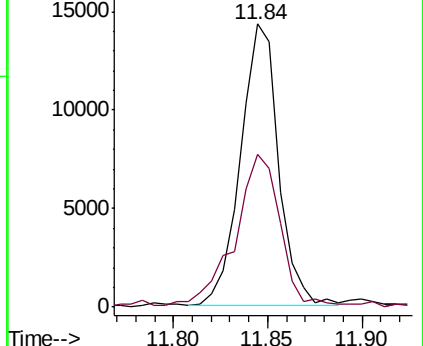
104 100

78 54.1 34.7 64.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VR0



#56

Isopropylbenzene

Concen: 0.199 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026145.D

Acq: 19 Oct 2018 12:25

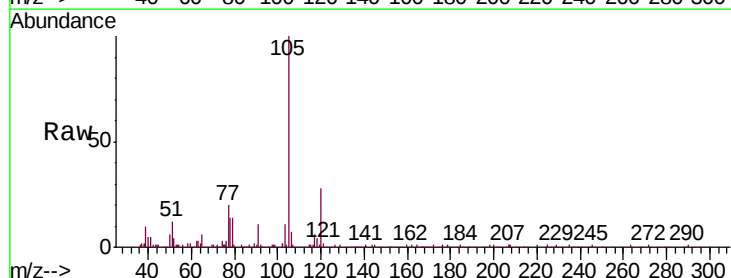
Tgt Ion:105 Resp: 39732

Ion Ratio Lower Upper

105 100

120 23.3 21.0 31.4

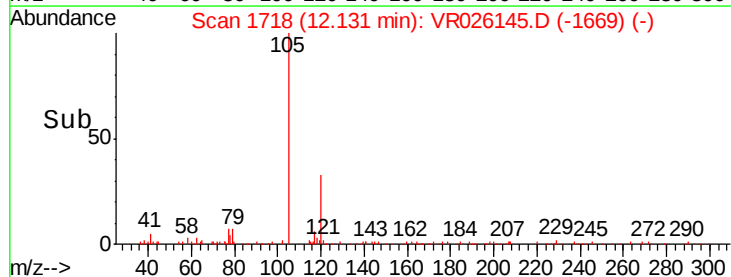
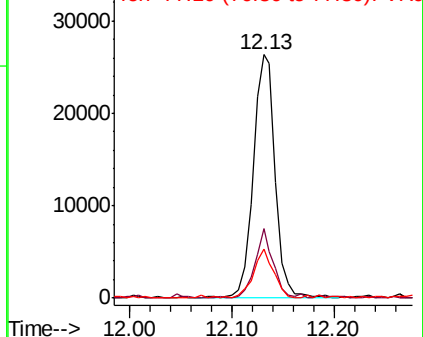
77 18.6 14.6 21.8

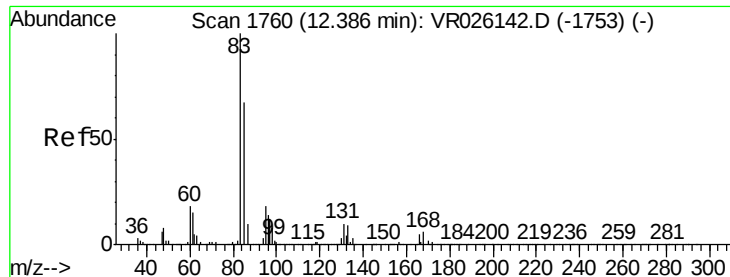


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VR0





#58

1,1,2,2-Tetrachloroethane

Concen: 0.335 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VR026145.D

Acq: 19 Oct 2018 12:25

Instrument :

MSVOA_R

ClientSampleId :

MDL

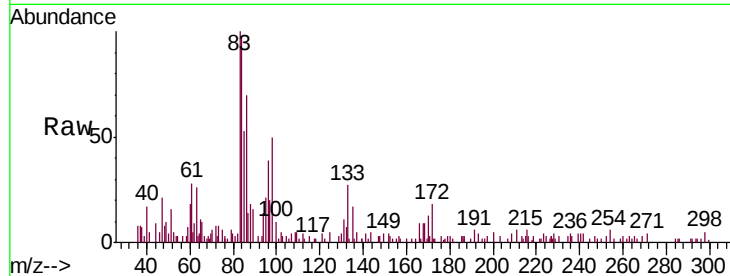
Tgt Ion: 83 Resp: 5371

Ion Ratio Lower Upper

83 100

85 53.0 44.0 81.8

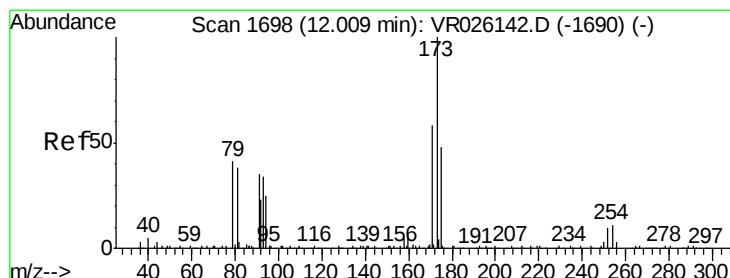
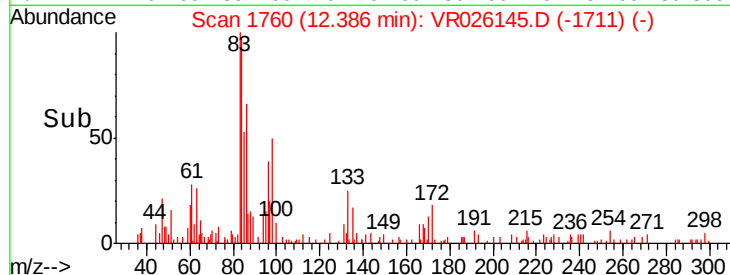
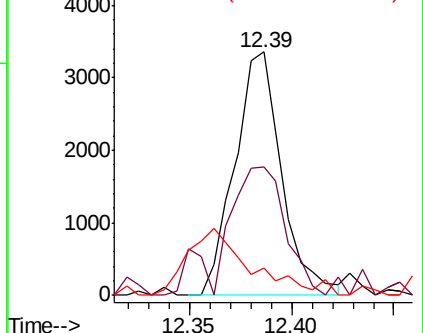
131 11.0 8.0 12.0



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



#61

Bromoform

Concen: 0.288 ug/L

RT: 12.00 min Scan# 1697

Delta R.T. -0.01 min

Lab File: VR026145.D

Acq: 19 Oct 2018 12:25

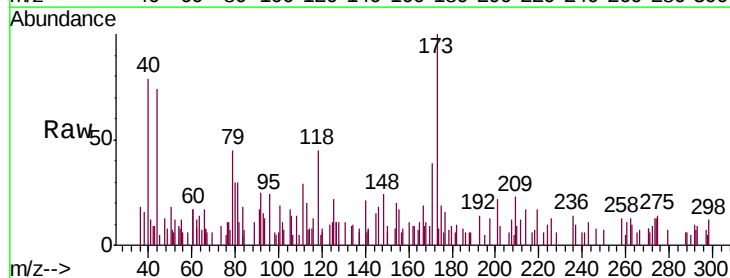
Tgt Ion: 173 Resp: 1553

Ion Ratio Lower Upper

173 100

175 34.6 39.0 58.4#

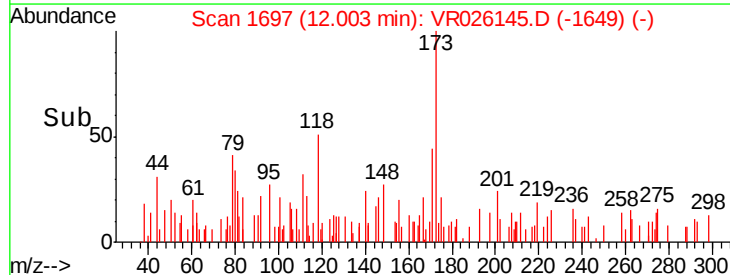
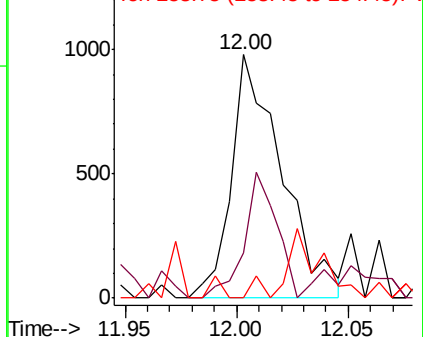
254 2.1 8.1 12.1#

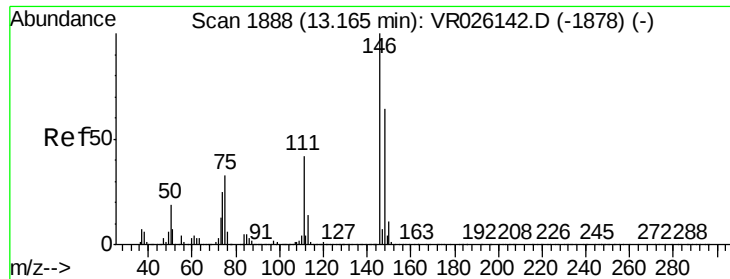


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V





#62

1,3-Dichlorobenzene

Concen: 0.266 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VR026145.D

Acq: 19 Oct 2018 12:25

Instrument :

MSVOA_R

ClientSampleId :

MDL

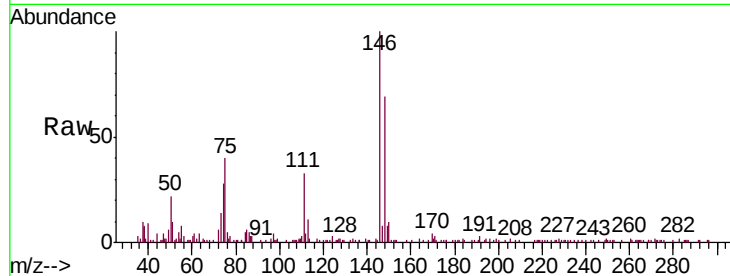
Tgt Ion:146 Resp: 13696

Ion Ratio Lower Upper

146 100

111 32.6 32.1 59.7

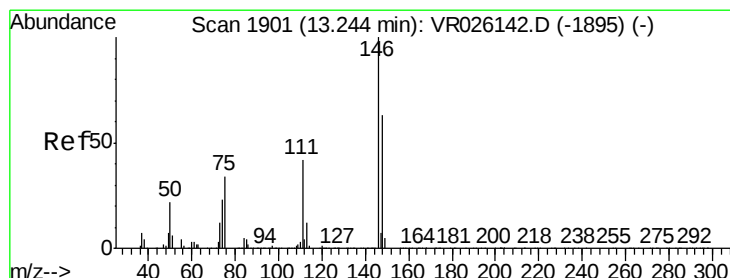
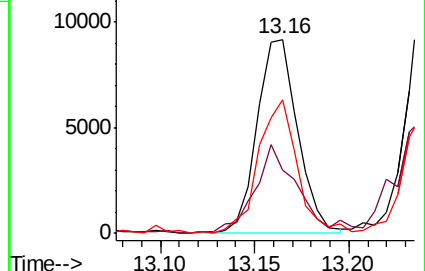
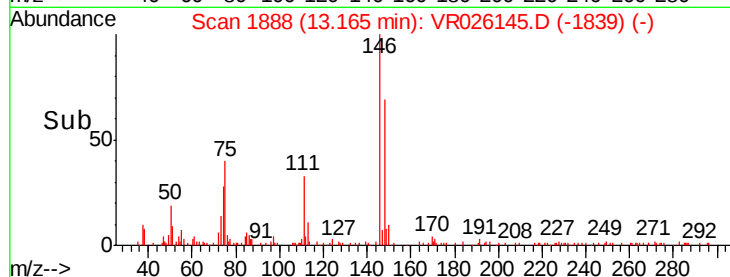
148 69.2 43.8 81.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.333 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VR026145.D

Acq: 19 Oct 2018 12:25

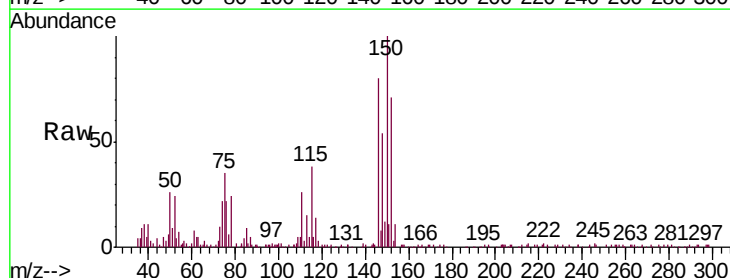
Tgt Ion:146 Resp: 17735

Ion Ratio Lower Upper

146 100

111 32.0 32.6 60.6#

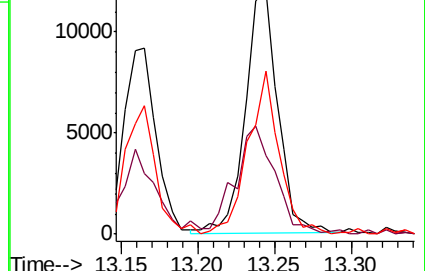
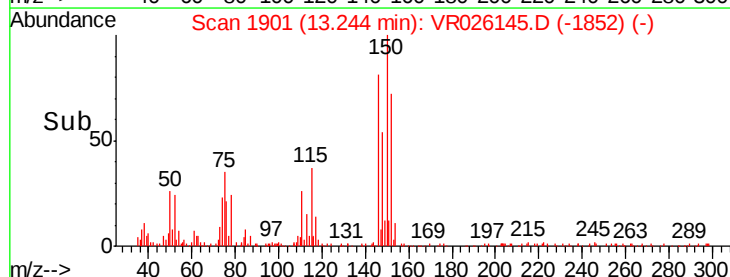
148 67.2 46.7 86.7

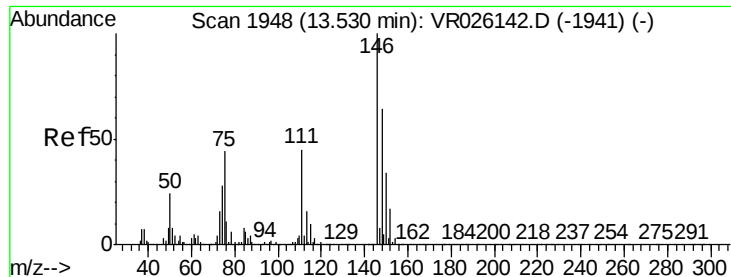


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

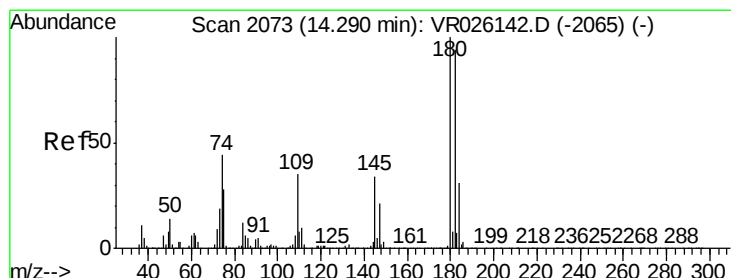
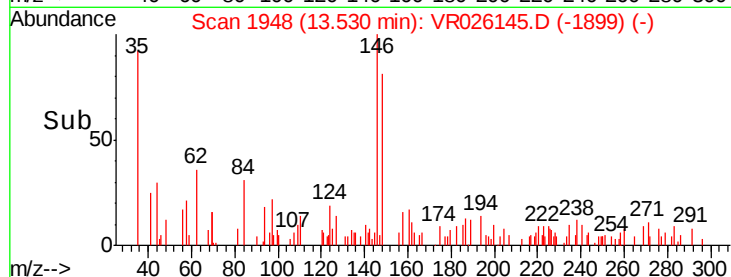
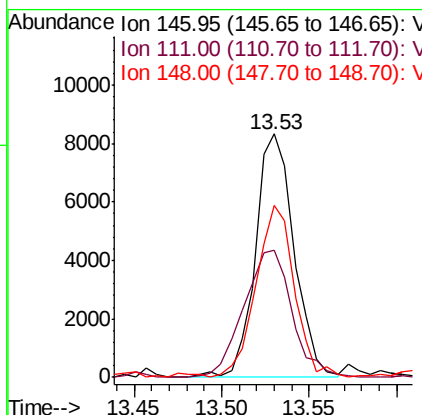
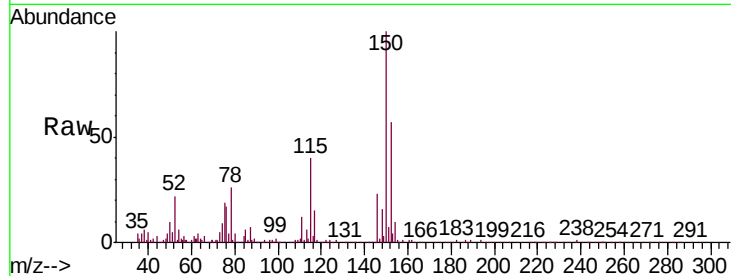




#65
1,2-Dichlorobenzene
Concen: 0.308 ug/L
RT: 13.53 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VR026145.D
Acq: 19 Oct 2018 12:25

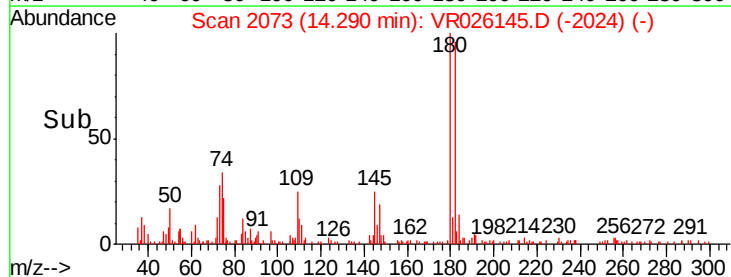
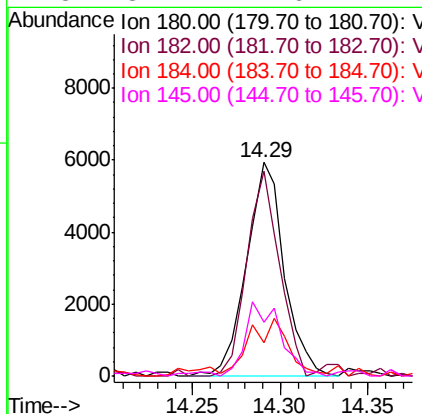
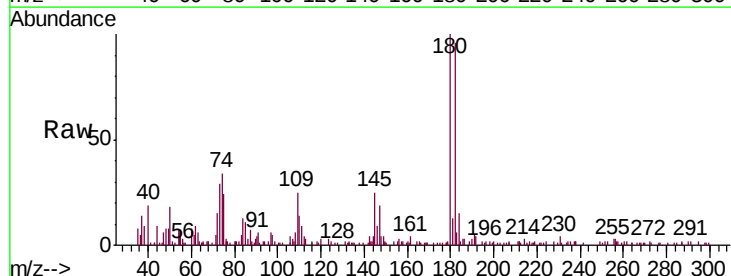
Instrument :
MSVOA_R
ClientSampled :
MDL

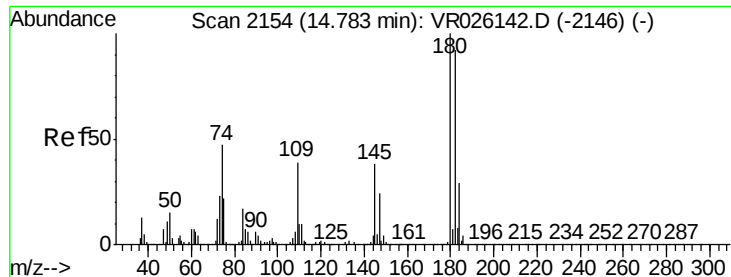
Tgt Ion:146 Resp: 12724
Ion Ratio Lower Upper
146 100
111 52.0 35.2 52.8
148 70.7 51.2 76.8



#67
1,3,5-Trichlorobenzene
Concen: 0.282 ug/L
RT: 14.29 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VR026145.D
Acq: 19 Oct 2018 12:25

Tgt Ion:180 Resp: 8854
Ion Ratio Lower Upper
180 100
182 83.5 77.5 116.3
184 27.3 25.0 37.4
145 32.2 27.6 41.4

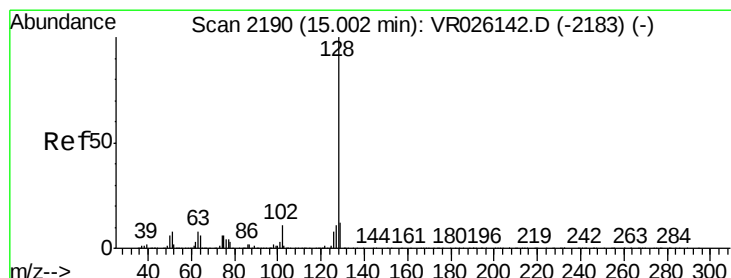
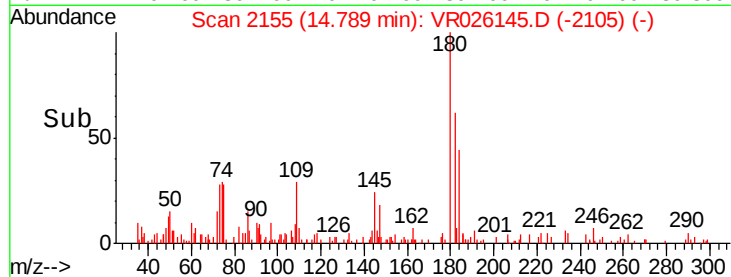
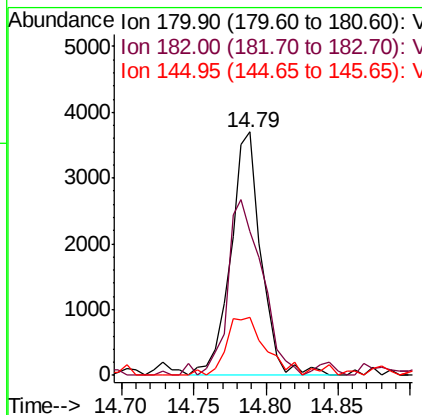
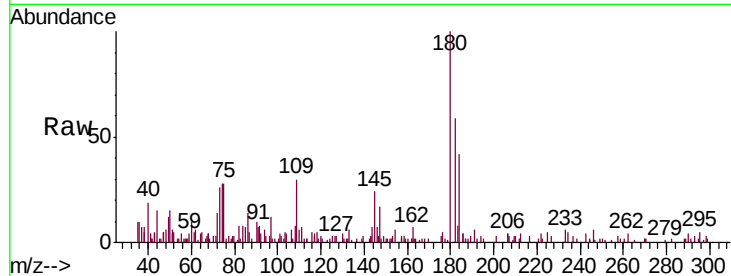




#68
1,2,4-trichlorobenzene
Concen: 0.298 ug/L
RT: 14.79 min Scan# 2155
Delta R.T. 0.01 min
Lab File: VR026145.D
Acq: 19 Oct 2018 12:25

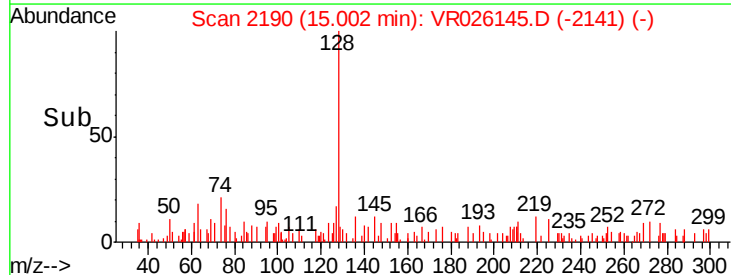
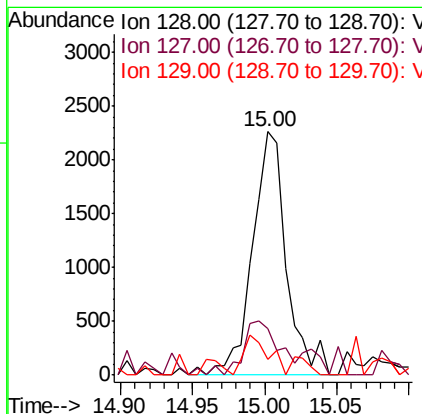
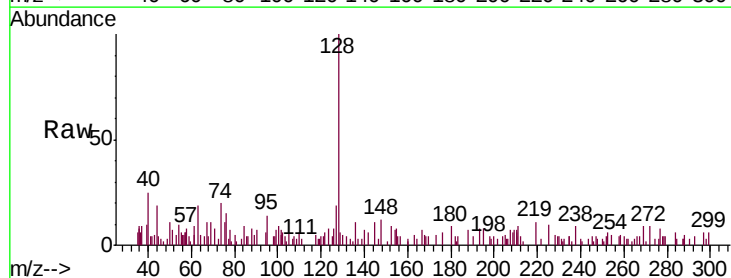
Instrument :
MSVOA_R
ClientSampleID :
MDL

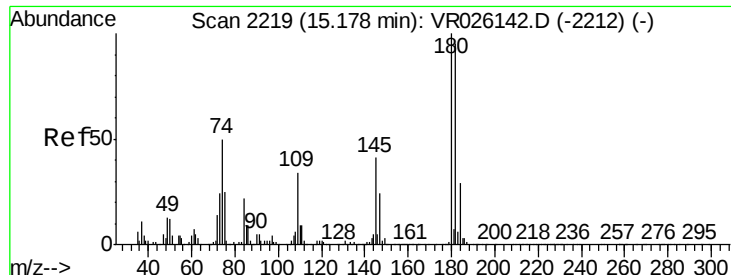
Tgt Ion	Ratio	Lower	Upper
180	100		
182	83.1	76.1	114.1
145	30.7	28.2	42.4



#69
Naphthalene
Concen: 0.207 ug/L
RT: 15.00 min Scan# 2190
Delta R.T. 0.00 min
Lab File: VR026145.D
Acq: 19 Oct 2018 12:25

Tgt Ion	Ratio	Lower	Upper
128	100		
127	23.2	11.0	16.6#
129	11.7	9.1	13.7

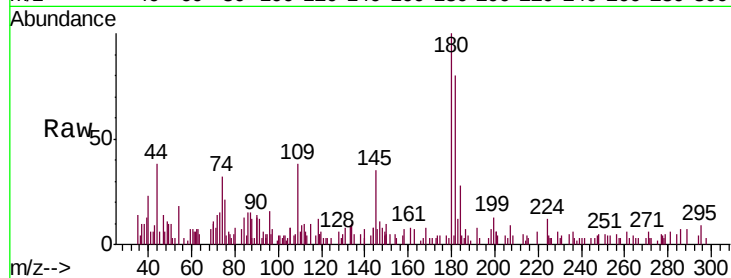




#70
 1,2,3-Trichlorobenzene
 Concen: 0.316 ug/L
 RT: 15.18 min Scan# 2220
 Delta R.T. 0.01 min
 Lab File: VR026145.D
 Acq: 19 Oct 2018 12:25

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL

Tgt Ion	Ratio	Lower	Upper
180	100		
182	84.1	75.7	113.5
145	36.1	28.8	43.2



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

