

Data File : VR026144.D
Acq On : 19 Oct 2018 11:51
Operator : SY/MD
Sample : MDL 0.25 PPB
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
MDL 0.25 PPB

Quant Time: Oct 20 01:56:17 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	634154	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	532955	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	170347	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	180875	3.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.20%
7) Chloroethane-d5	2.63	69	185716	3.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.80%
11) 1,1-Dichloroethene-d2	3.61	63	349190	2.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	51.20%#
20) 2-Butanone-d5	6.58	46	198844	43.64	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.28%
24) Chloroform-d	7.20	84	325863	3.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.80%
26) 1,2-Dichloroethane-d4	7.90	65	141024	3.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.80%
32) Benzene-d6	7.85	84	625640	3.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.00%
36) 1,2-Dichloropropane-d6	8.90	67	172237	3.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	77.80%
41) Toluene-d8	9.97	98	553969	3.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.60%#
43) trans-1,3-Dichloropropene-	10.23	79	36109	3.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	62.20%
46) 2-Hexanone-d5	10.59	63	151142	45.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.26%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	69728	4.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.40%
64) 1,2-Dichlorobenzene-d4	13.52	152	105257	3.91	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	78.20%#

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	6396	0.150 ug/L	99
3) Chloromethane	2.01	50	17432	0.258 ug/L	97
5) Vinyl chloride	2.15	62	19127	0.284 ug/L	99
6) Bromomethane	2.52	94	11312	0.254 ug/L	86
8) Chloroethane	2.66	64	11365	0.272 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	19440	0.335 ug/L #	75
12) 1,1-Dichloroethene	3.62	96	19607	0.318 ug/L #	1
13) Acetone	3.70	43	14408	3.059 ug/L	88
14) Carbon disulfide	3.94	76	32179	0.200 ug/L #	94
15) Methyl Acetate	4.19	43	3077	0.250 ug/L #	86
16) Methylene chloride	4.41	84	17064	0.305 ug/L	90
17) Methyl tert-butyl Ether	4.89	73	10764	0.192 ug/L	93
18) trans-1,2-Dichloroethene	4.89	96	10482	0.225 ug/L #	81
19) 1,1-Dichloroethane	5.69	63	22693	0.259 ug/L	90
21) 2-Butanone	6.68	43	13426	2.471 ug/L	91
22) cis-1,2-Dichloroethene	6.67	96	11712	0.265 ug/L #	92
23) Bromochloromethane	7.06	128	3048	0.246 ug/L #	85

Data File : VR026144.D
Acq On : 19 Oct 2018 11:51
Operator : SY/MD
Sample : MDL 0.25 PPB
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
MDL 0.25 PPB

Quant Time: Oct 20 01:56:17 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

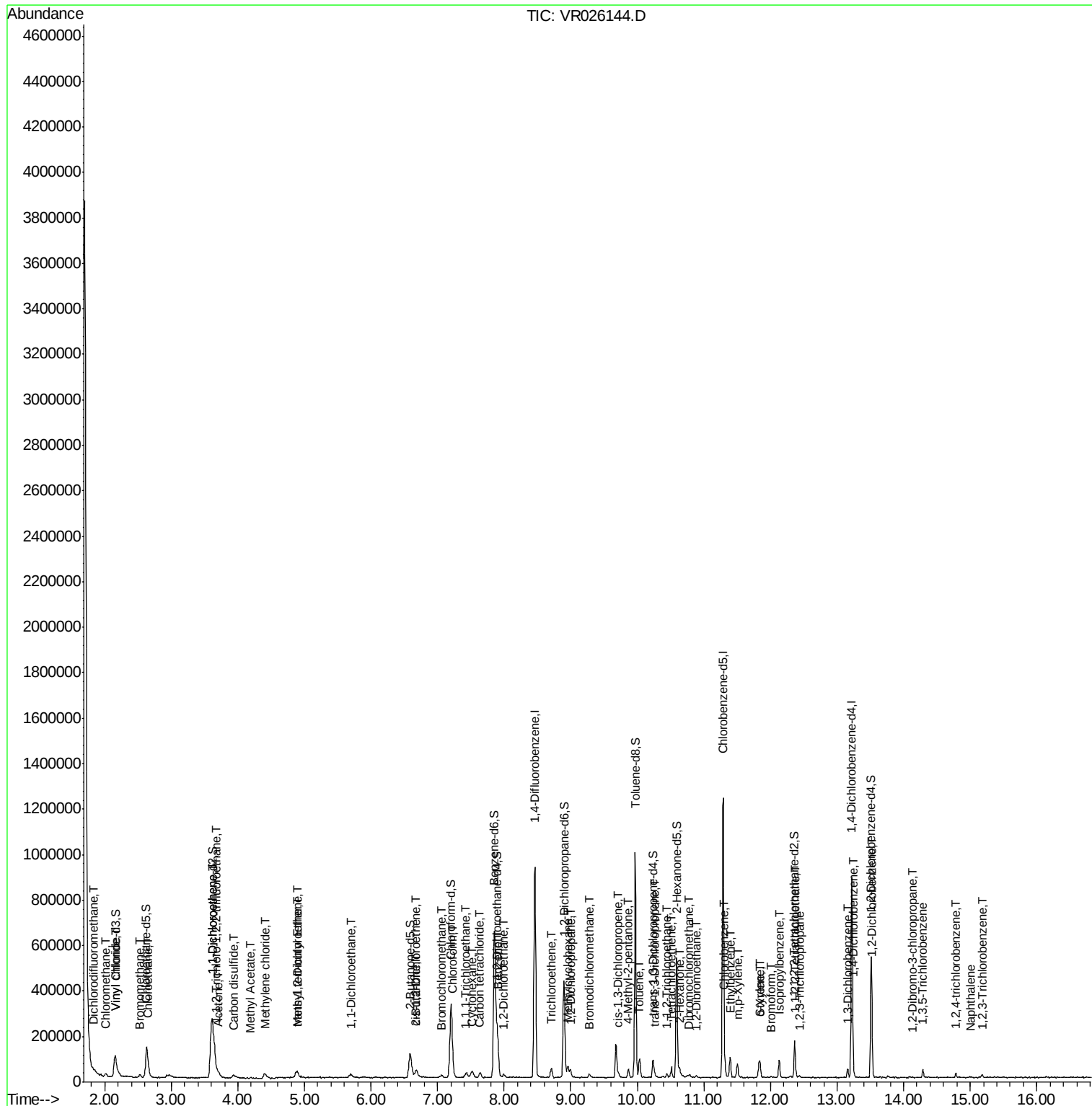
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.23	83	22734	0.266	ug/L	97
27) 1,2-Dichloroethane	7.99	62	10607	0.254	ug/L	96
29) 1,1,1-Trichloroethane	7.42	97	17417	0.239	ug/L	93
30) Cyclohexane	7.52	56	12846	0.176	ug/L	94
31) Carbon tetrachloride	7.63	117	16112	0.243	ug/L	99
33) Benzene	7.91	78	55010	0.275	ug/L	100
34) Trichloroethene	8.71	95	11710	0.229	ug/L #	78
35) Methylcyclohexane	8.96	83	16425	0.216	ug/L	95
37) 1,2-Dichloropropane	8.99	63	11131	0.264	ug/L	100
38) Bromodichloromethane	9.28	83	9988	0.220	ug/L	82
39) cis-1,3-Dichloropropene	9.72	75	9527	0.197	ug/L	86
40) 4-Methyl-2-pentanone	9.87	43	26380	2.047	ug/L #	86
42) Toluene	10.03	91	49380	0.234	ug/L	96
44) trans-1,3-Dichloropropene	10.26	75	8865	0.263	ug/L	98
45) 1,1,2-Trichloroethane	10.45	97	5158	0.290	ug/L #	70
47) Tetrachloroethene	10.51	164	7428	0.203	ug/L	90
48) 2-Hexanone	10.63	43	20928	2.487	ug/L	98
49) Dibromochloromethane	10.79	129	3909	0.195	ug/L	97
50) 1,2-Dibromoethane	10.89	107	3982	0.259	ug/L #	76
51) Chlorobenzene	11.32	112	26623	0.228	ug/L	94
52) Ethylbenzene	11.39	91	52097	0.215	ug/L	97
53) m,p-Xylene	11.50	106	17094	0.193	ug/L	97
54) o-Xylene	11.83	106	12780	0.158	ug/L	99
55) Styrene	11.84	104	19357	0.155	ug/L	93
56) Isopropylbenzene	12.13	105	38315	0.170	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.38	83	4365	0.241	ug/L #	87
59) 1,2,3-Trichloropropane	12.44	75	3663	0.276	ug/L	95
61) Bromoform	12.01	173	1658	0.280	ug/L	94
62) 1,3-Dichlorobenzene	13.16	146	12108	0.214	ug/L	89
63) 1,4-Dichlorobenzene	13.24	146	14637	0.250	ug/L	96
65) 1,2-Dichlorobenzene	13.53	146	12763	0.281	ug/L #	80
66) 1,2-Dibromo-3-chloropropan	14.14	75	1162	0.628	ug/L #	35
67) 1,3,5-Trichlorobenzene	14.29	180	8855	0.257	ug/L	88
68) 1,2,4-trichlorobenzene	14.78	180	4656	0.231	ug/L	92
69) Naphthalene	15.01	128	3213	0.164	ug/L #	77
70) 1,2,3-Trichlorobenzene	15.18	180	3218	0.230	ug/L	95

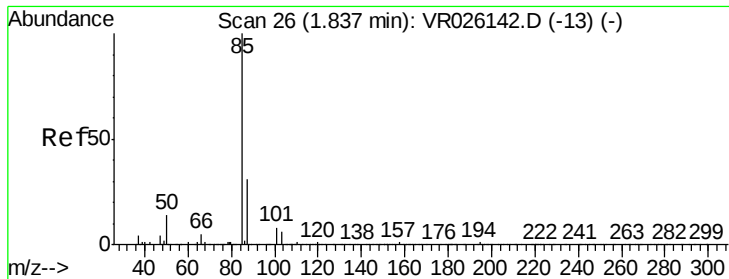
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VR026144.D
Acq On : 19 Oct 2018 11:51
Operator : SY/MD
Sample : MDL 0.25 PPB
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
MDL 0.25 PPB

Quant Time: Oct 20 01:56:17 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





#2

Dichlorodifluoromethane

Concen: 0.150 ug/L

RT: 1.84 min Scan# 27

Delta R.T. 0.01 min

Lab File: VR026144.D

Acq: 19 Oct 2018 11:51

Instrument :

MSVOA_R

ClientSampleId :

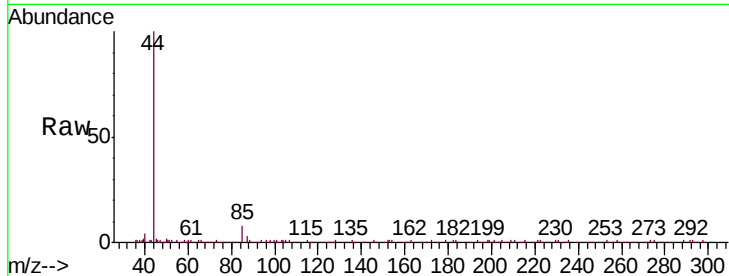
MDL 0.25 PPB

Tgt Ion: 85 Resp: 6396

Ion Ratio Lower Upper

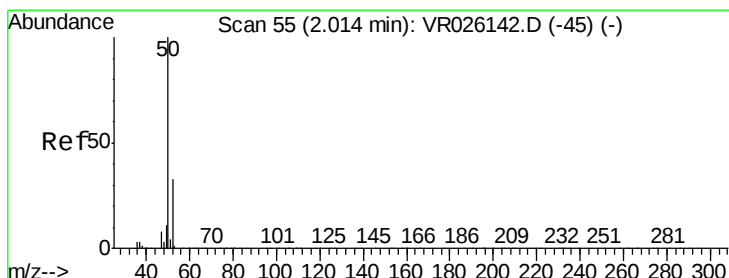
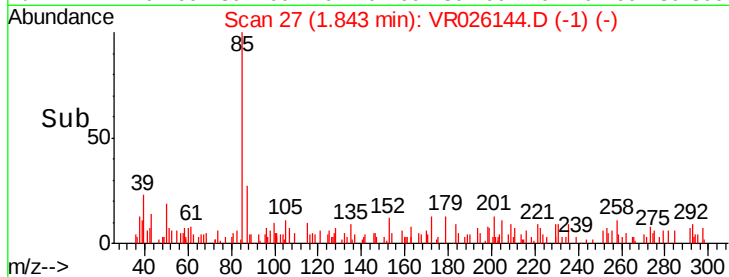
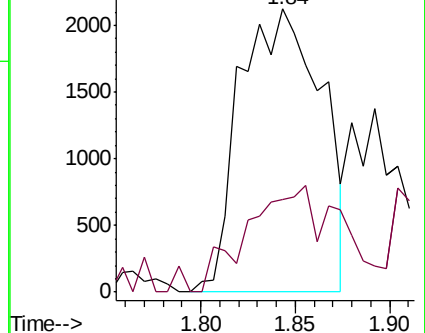
85 100

87 29.8 23.4 35.2



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 0.258 ug/L

RT: 2.01 min Scan# 55

Delta R.T. 0.00 min

Lab File: VR026144.D

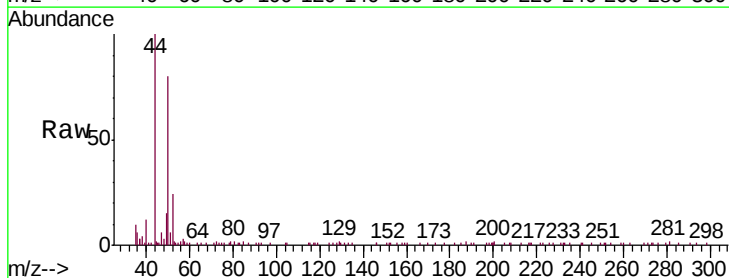
Acq: 19 Oct 2018 11:51

Tgt Ion: 50 Resp: 17432

Ion Ratio Lower Upper

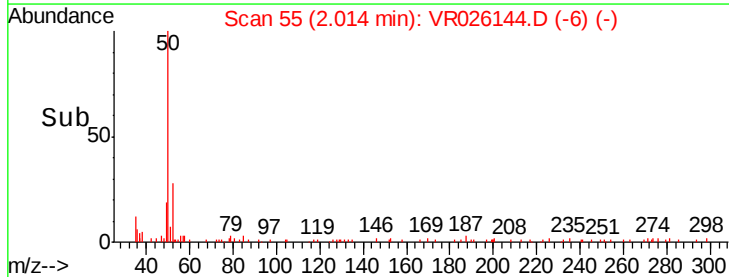
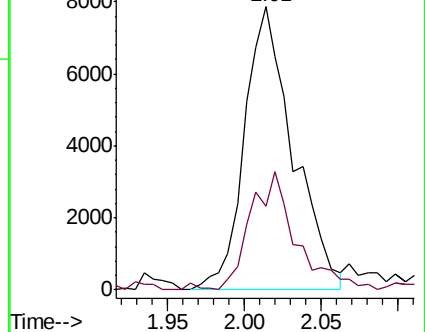
50 100

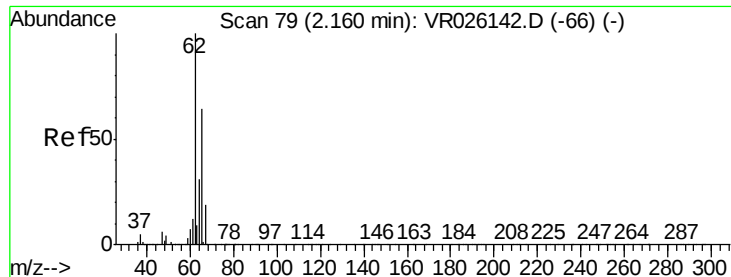
52 29.6 22.0 40.8



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 0.284 ug/L

RT: 2.15 min Scan# 78

Delta R.T. -0.01 min

Lab File: VR026144.D

Acq: 19 Oct 2018 11:51

Instrument :

MSVOA_R

ClientSampleId :

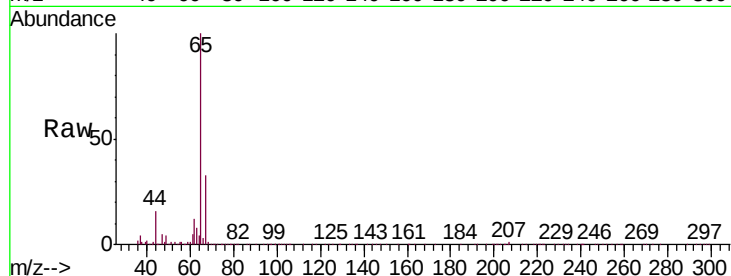
MDL 0.25 PPB

Tgt Ion: 62 Resp: 19127

Ion Ratio Lower Upper

62 100

64 33.5 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0

2.15

6000

5000

4000

3000

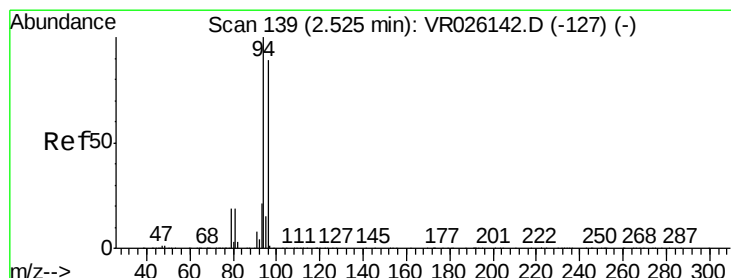
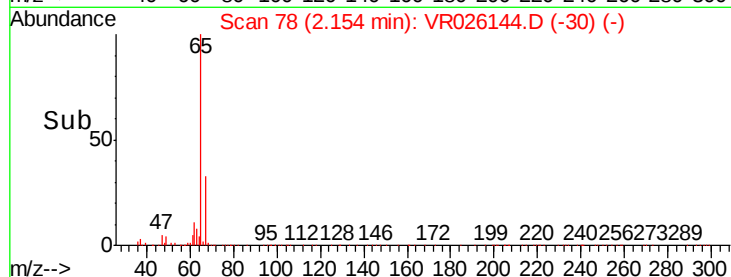
2000

1000

0

2.10 2.20 2.30

Time-->



#6

Bromomethane

Concen: 0.254 ug/L

RT: 2.52 min Scan# 139

Delta R.T. 0.00 min

Lab File: VR026144.D

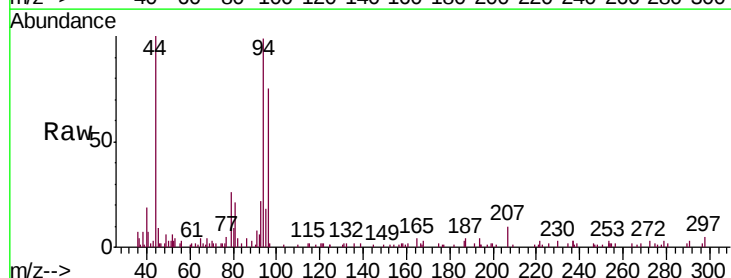
Acq: 19 Oct 2018 11:51

Tgt Ion: 94 Resp: 11312

Ion Ratio Lower Upper

94 100

96 76.1 62.5 116.1



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0

2.52

5000

4000

3000

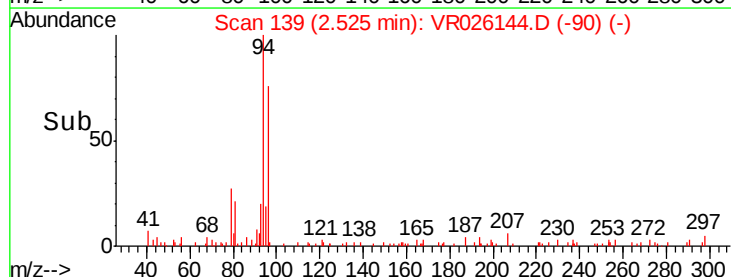
2000

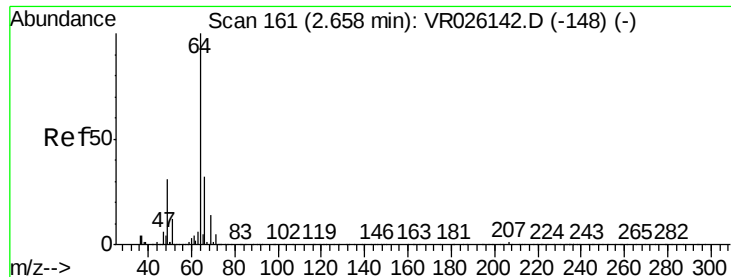
1000

0

2.45 2.50 2.55 2.60

Time-->





#8

Chloroethane

Concen: 0.272 ug/L

RT: 2.66 min Scan# 161

Delta R.T. 0.00 min

Lab File: VR026144.D

Acq: 19 Oct 2018 11:51

Instrument :

MSVOA_R

ClientSampleId :

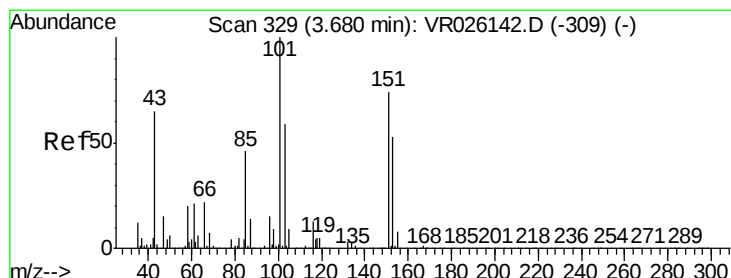
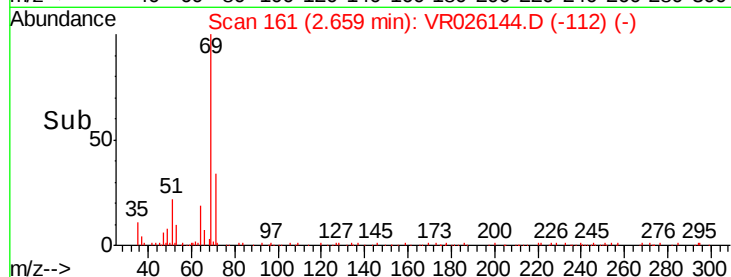
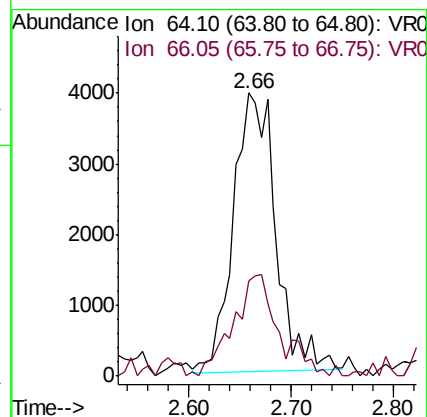
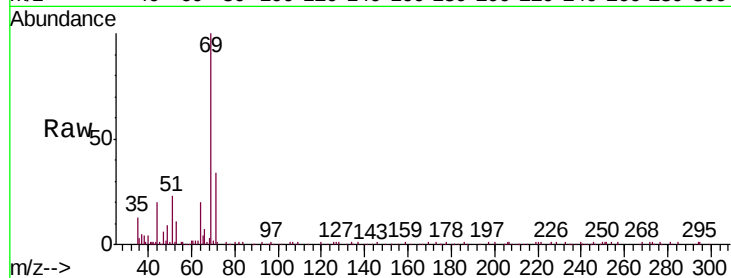
MDL 0.25 PPB

Tgt Ion: 64 Resp: 11365

Ion Ratio Lower Upper

64 100

66 33.7 22.0 40.8



#10

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

Concen: 0.335 ug/L

RT: 3.69 min Scan# 330

Delta R.T. 0.01 min

Lab File: VR026144.D

Acq: 19 Oct 2018 11:51

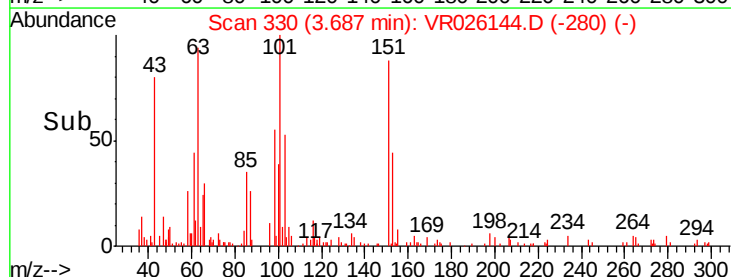
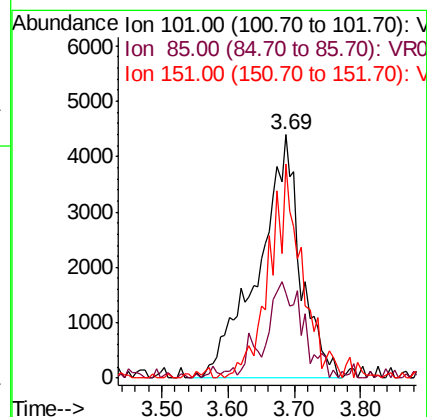
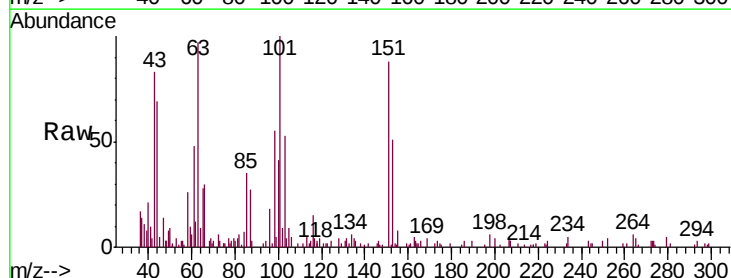
Tgt Ion: 101 Resp: 19440

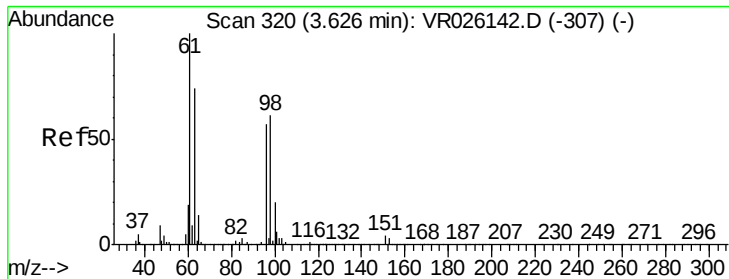
Ion Ratio Lower Upper

101 100

85 19.7 37.8 56.8#

151 65.4 63.2 94.8





#12

1,1-Dichloroethene

Concen: 0.318 ug/L

RT: 3.62 min Scan# 319

Delta R.T. -0.01 min

Lab File: VR026144.D

Acq: 19 Oct 2018 11:51

Instrument :

MSVOA_R

ClientSampleId :

MDL 0.25 PPB

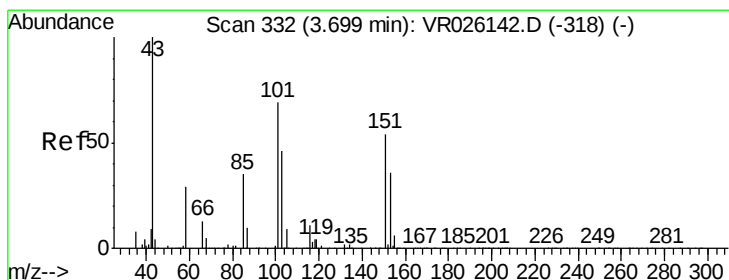
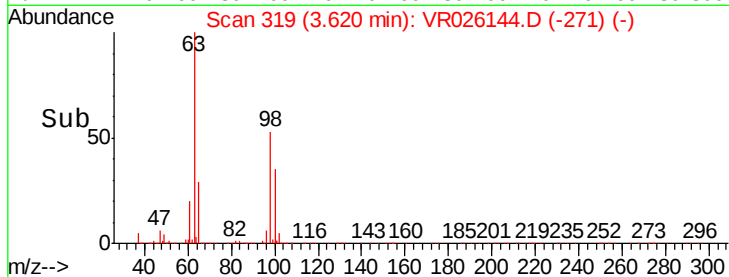
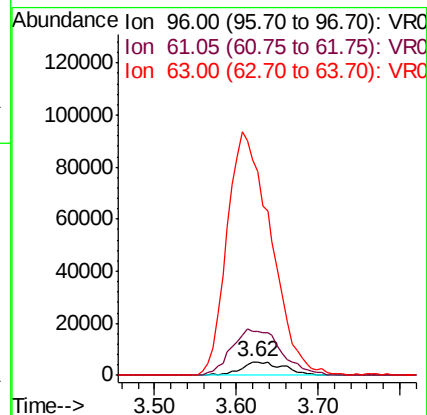
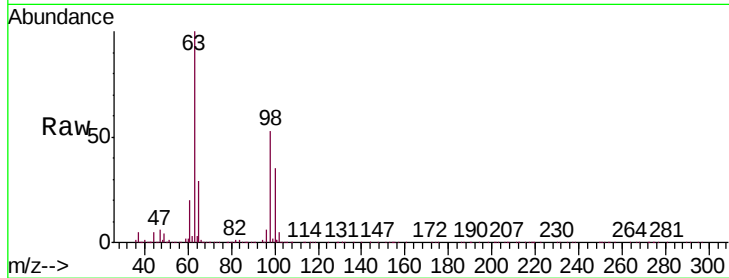
Tgt Ion: 96 Resp: 19607

Ion Ratio Lower Upper

96 100

61 322.9 126.7 235.3#

63 1594.0 125.0 232.2#



#13

Acetone

Concen: 3.059 ug/L

RT: 3.70 min Scan# 333

Delta R.T. 0.01 min

Lab File: VR026144.D

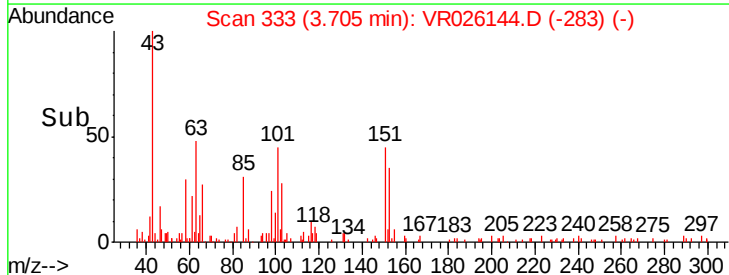
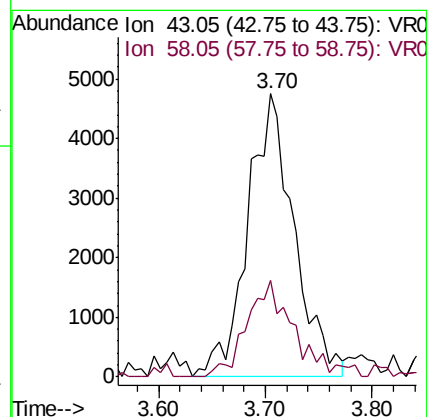
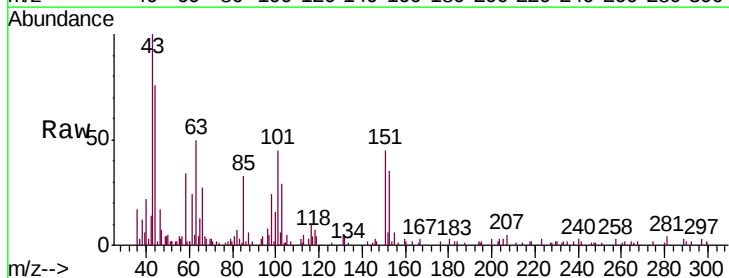
Acq: 19 Oct 2018 11:51

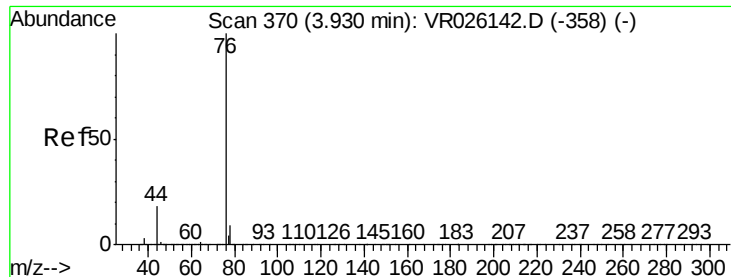
Tgt Ion: 43 Resp: 14408

Ion Ratio Lower Upper

43 100

58 34.2 0.0 55.4





#14

Carbon disulfide

Concen: 0.200 ug/L

RT: 3.94 min Scan# 371

Delta R.T. 0.01 min

Lab File: VR026144.D

Acq: 19 Oct 2018 11:51

Instrument :

MSVOA_R

ClientSampled :

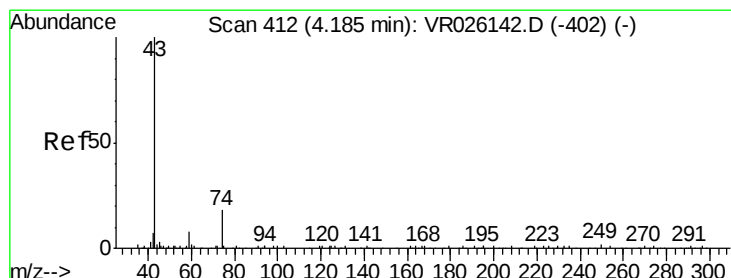
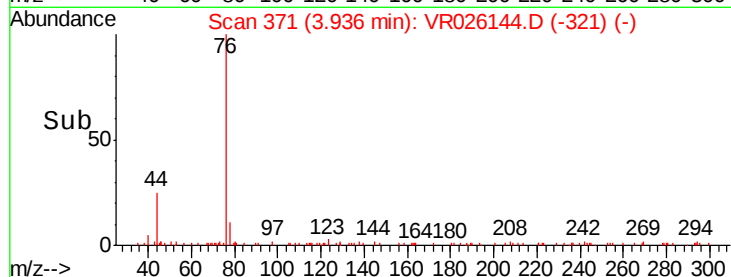
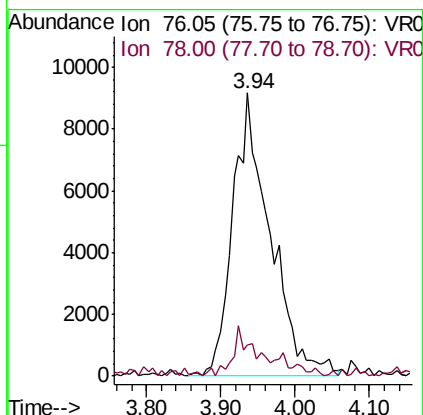
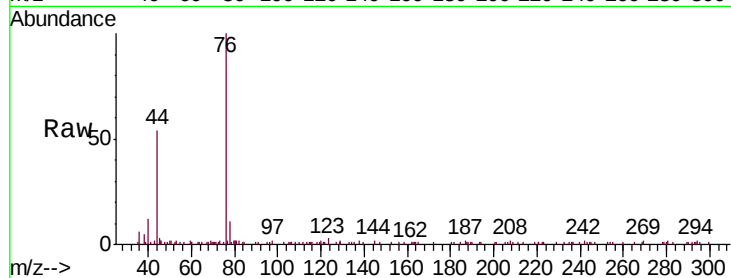
MDL 0.25 PPB

Tgt Ion: 76 Resp: 32179

Ion Ratio Lower Upper

76 100

78 11.5 7.6 11.4#



#15

Methyl Acetate

Concen: 0.250 ug/L

RT: 4.19 min Scan# 413

Delta R.T. 0.01 min

Lab File: VR026144.D

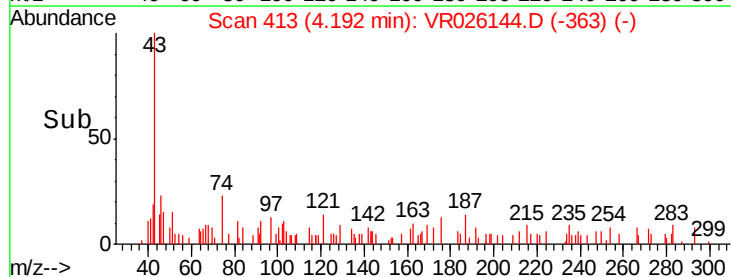
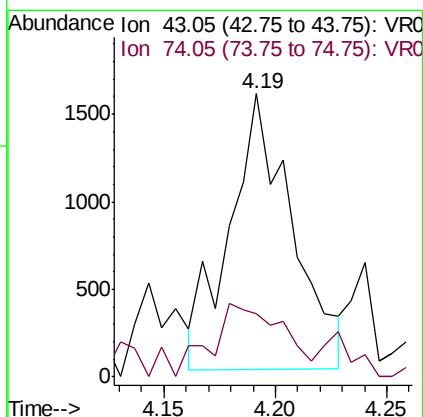
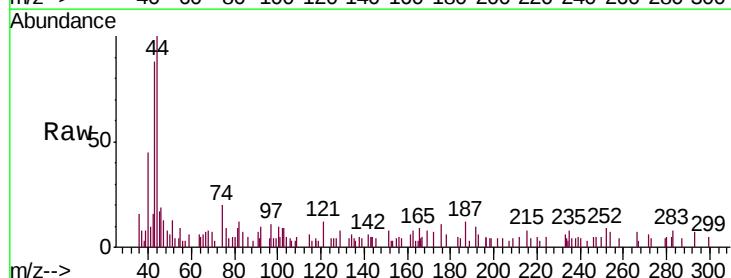
Acq: 19 Oct 2018 11:51

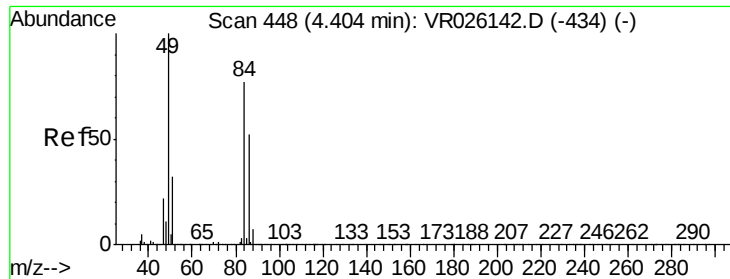
Tgt Ion: 43 Resp: 3077

Ion Ratio Lower Upper

43 100

74 32.0 19.8 29.8#

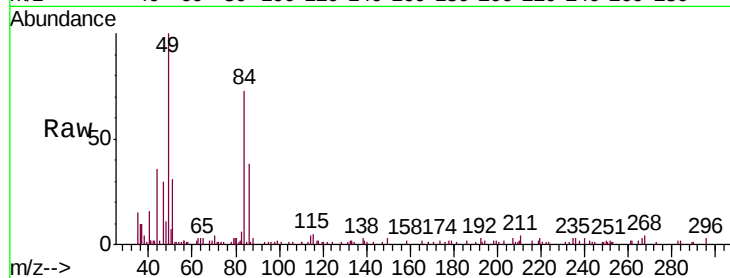




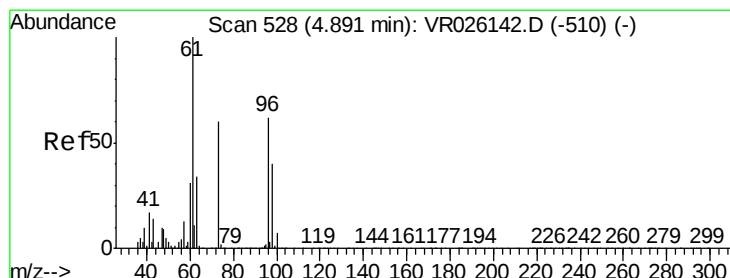
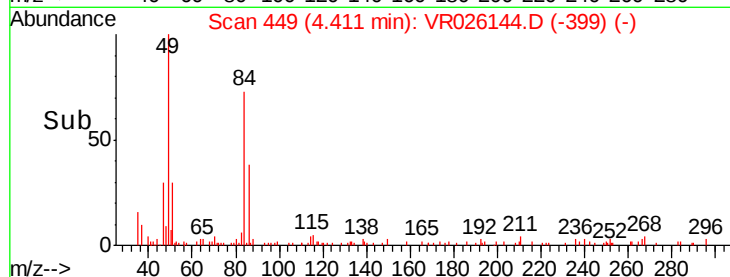
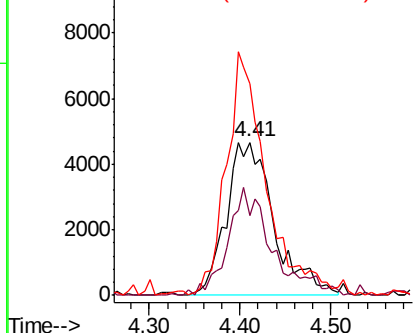
#16
Methylene chloride
Concen: 0.305 ug/L
RT: 4.41 min Scan# 449
Delta R.T. 0.01 min
Lab File: VR026144.D
Acq: 19 Oct 2018 11:51

Instrument :
MSVOA_R
ClientSampleId :
MDL 0.25 PPB

Tgt Ion: 84 Resp: 17064
Ion Ratio Lower Upper
84 100
86 52.1 43.0 79.8
49 137.7 89.1 165.5

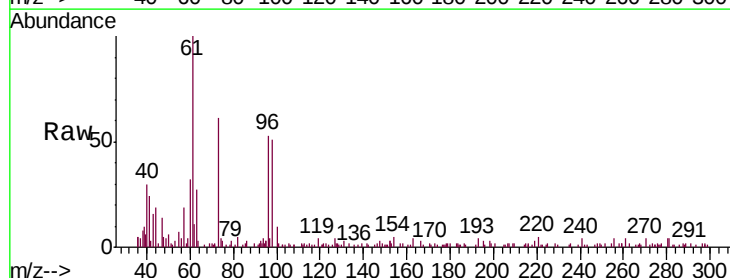


Abundance Ion 84.05 (83.75 to 84.75): VR0
Ion 86.00 (85.70 to 86.70): VR0
Ion 49.10 (48.80 to 49.80): VR0

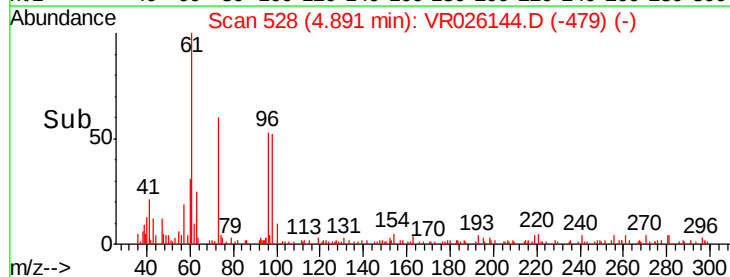
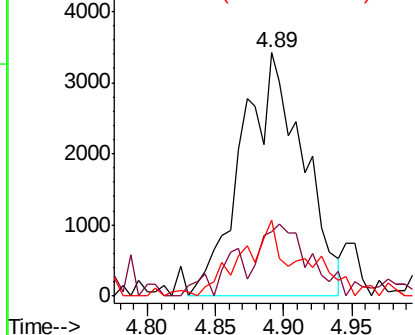


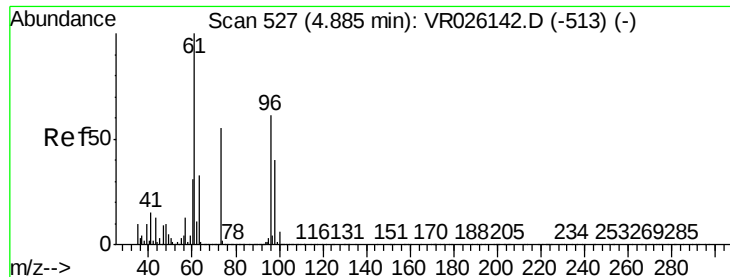
#17
Methyl tert-butyl Ether
Concen: 0.192 ug/L
RT: 4.89 min Scan# 528
Delta R.T. 0.00 min
Lab File: VR026144.D
Acq: 19 Oct 2018 11:51

Tgt Ion: 73 Resp: 10764
Ion Ratio Lower Upper
73 100
43 23.1 20.1 30.1
57 19.2 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: 0.225 ug/L

RT: 4.89 min Scan# 527

Delta R.T. 0.00 min

Lab File: VR026144.D

Acq: 19 Oct 2018 11:51

Instrument :

MSVOA_R

ClientSampleId :

MDL 0.25 PPB

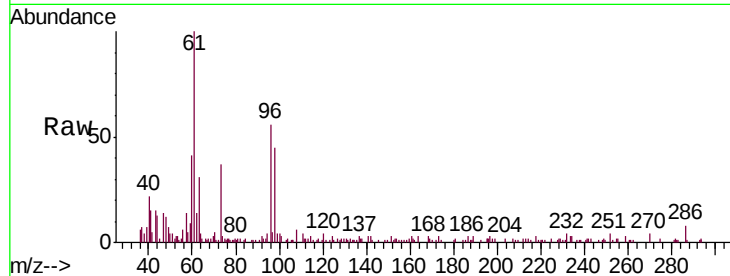
Tgt Ion: 96 Resp: 10482

Ion Ratio Lower Upper

96 100

61 178.8 111.4 206.8

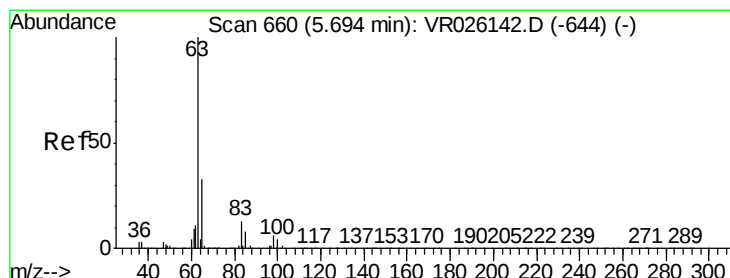
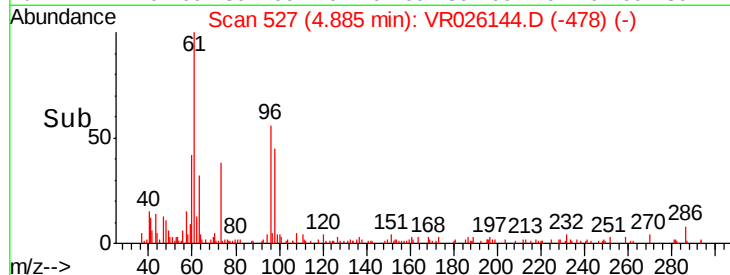
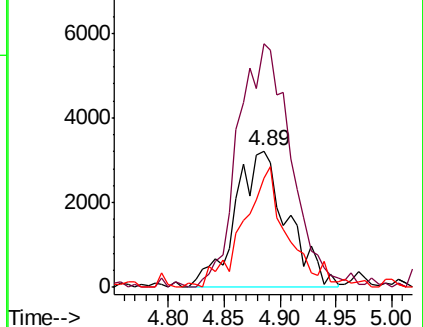
98 80.4 41.4 77.0#



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: 0.259 ug/L

RT: 5.69 min Scan# 660

Delta R.T. 0.00 min

Lab File: VR026144.D

Acq: 19 Oct 2018 11:51

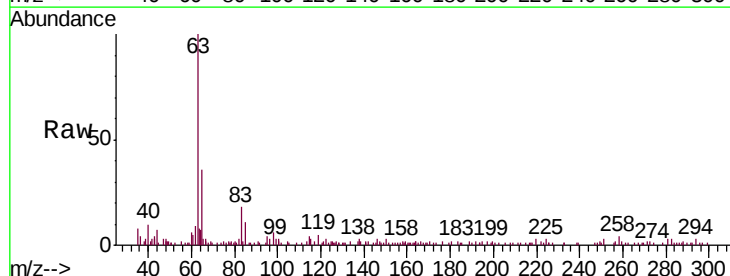
Tgt Ion: 63 Resp: 22693

Ion Ratio Lower Upper

63 100

65 36.2 21.2 39.4

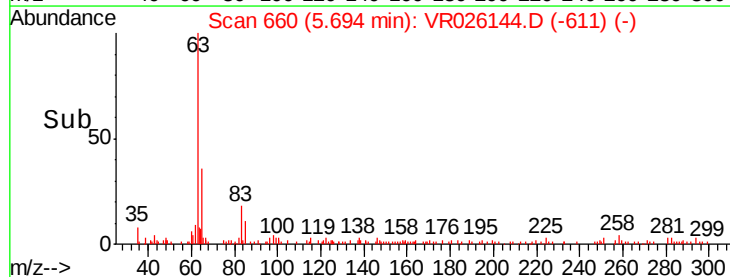
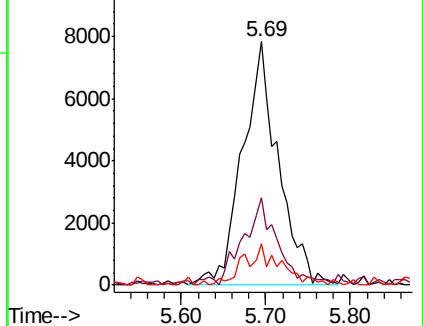
83 16.9 9.2 17.2

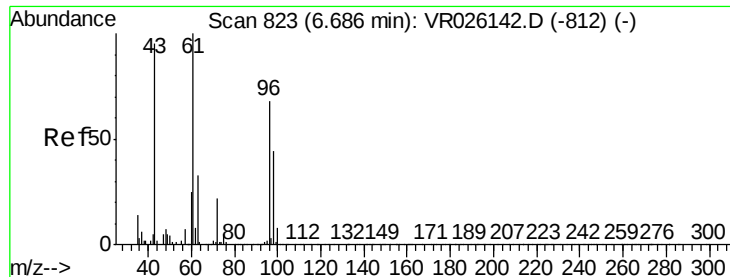


Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 65.10 (64.80 to 65.80): VR0

Ion 83.05 (82.75 to 83.75): VR0





#21

2-Butanone

Concen: 2.471 ug/L

RT: 6.68 min Scan# 822

Delta R.T. -0.01 min

Lab File: VR026144.D

Acq: 19 Oct 2018 11:51

Instrument :

MSVOA_R

ClientSampleId :

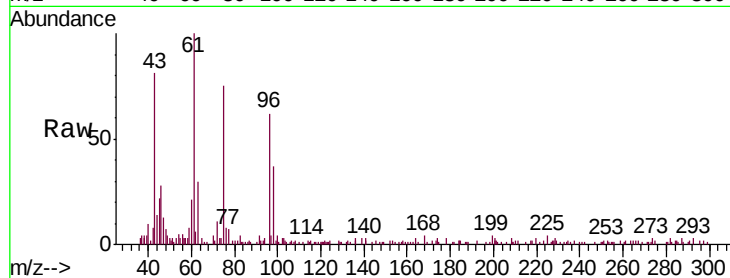
MDL 0.25 PPB

Tgt Ion: 43 Resp: 13426

Ion Ratio Lower Upper

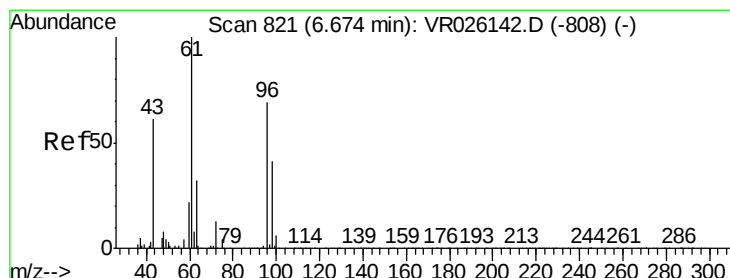
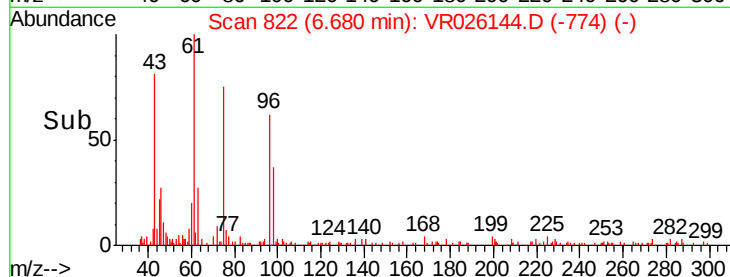
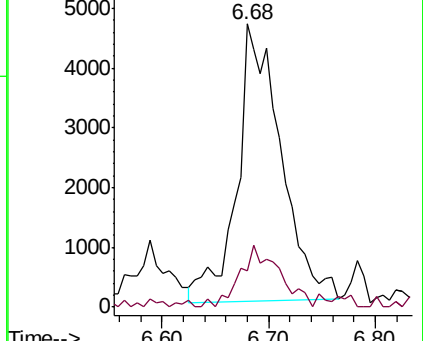
43 100

72 19.8 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: 0.265 ug/L

RT: 6.67 min Scan# 821

Delta R.T. 0.00 min

Lab File: VR026144.D

Acq: 19 Oct 2018 11:51

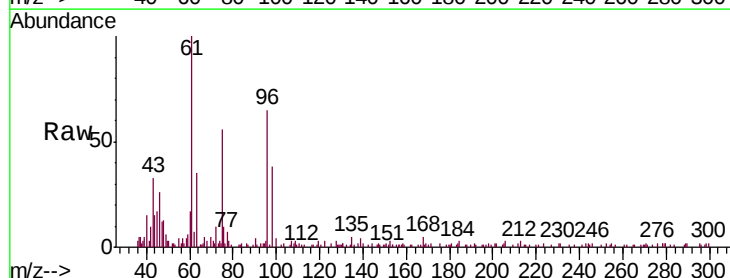
Tgt Ion: 96 Resp: 11712

Ion Ratio Lower Upper

96 100

61 154.8 101.8 189.0

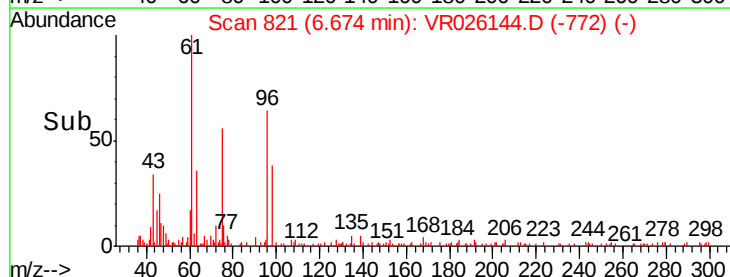
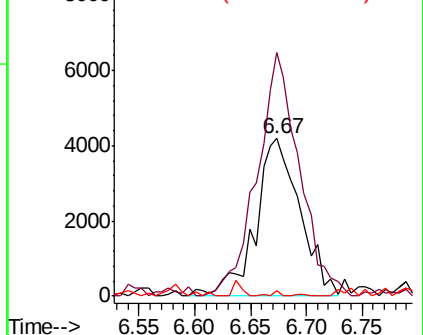
68 3.9 0.1 0.3#

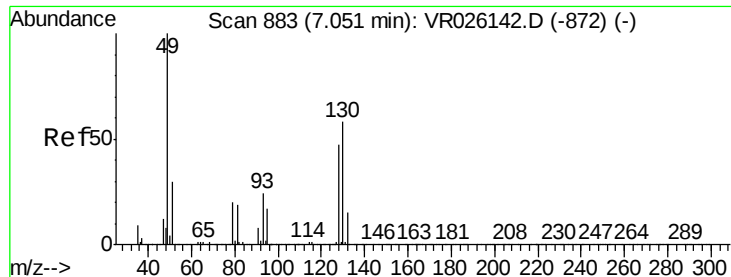


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 68.15 (67.85 to 68.85): VR0





#23

Bromochloromethane

Concen: 0.246 ug/L

RT: 7.06 min Scan# 884

Delta R.T. 0.01 min

Lab File: VR026144.D

Acq: 19 Oct 2018 11:51

Instrument :

MSVOA_R

ClientSampled :

MDL 0.25 PPB

Tgt Ion:128 Resp: 3048

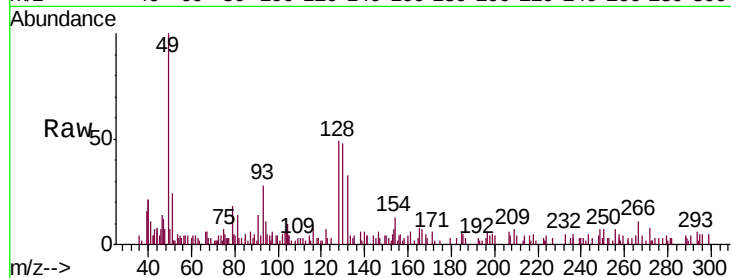
Ion Ratio Lower Upper

128 100

49 202.7 146.2 271.4

130 96.7 92.5 171.7

51 53.1 55.6 83.4#

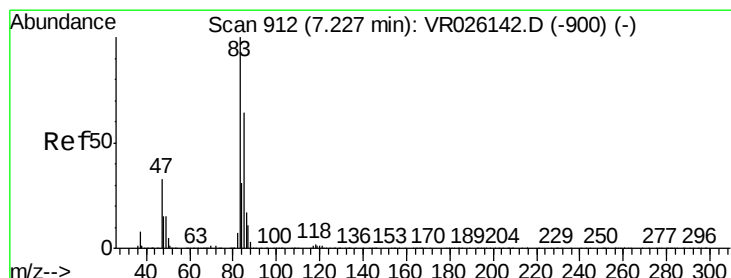
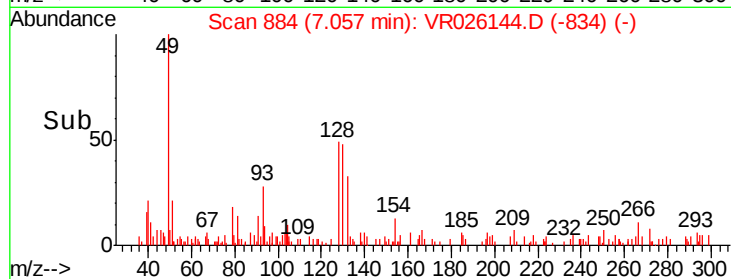
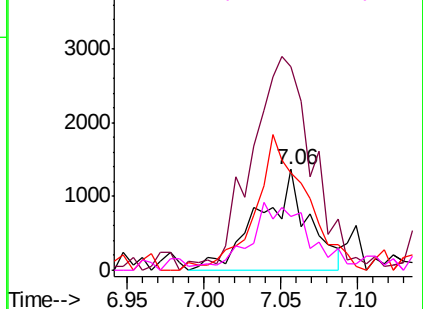


Abundance Ion 127.90 (127.60 to 128.60): V

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: 0.266 ug/L

RT: 7.23 min Scan# 912

Delta R.T. 0.00 min

Lab File: VR026144.D

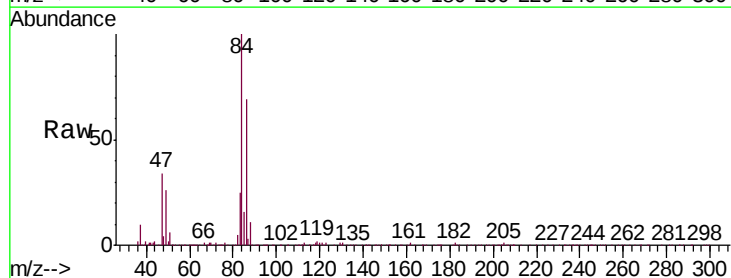
Acq: 19 Oct 2018 11:51

Tgt Ion: 83 Resp: 22734

Ion Ratio Lower Upper

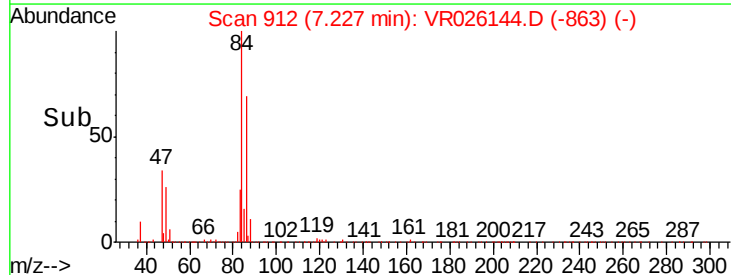
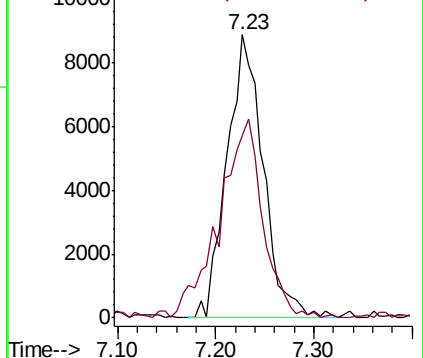
83 100

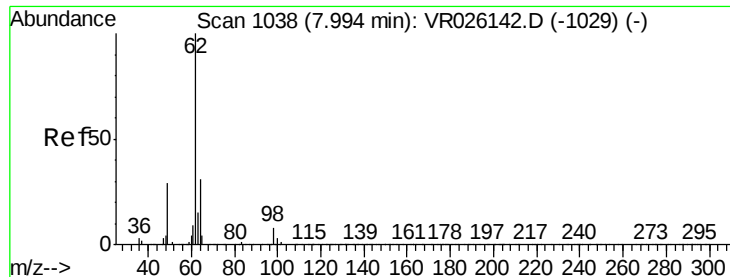
85 64.3 43.5 80.7



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0

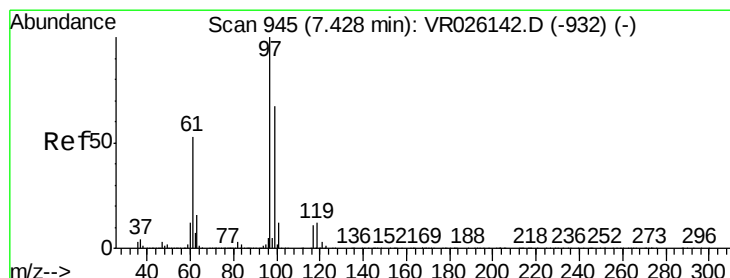
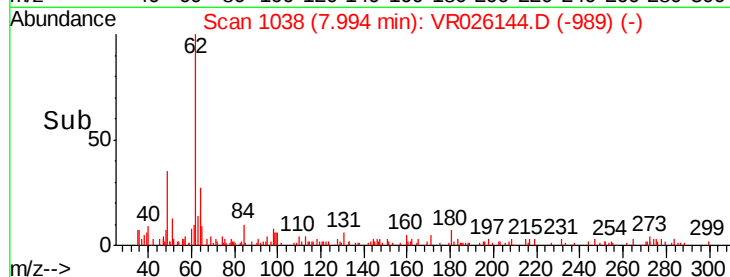
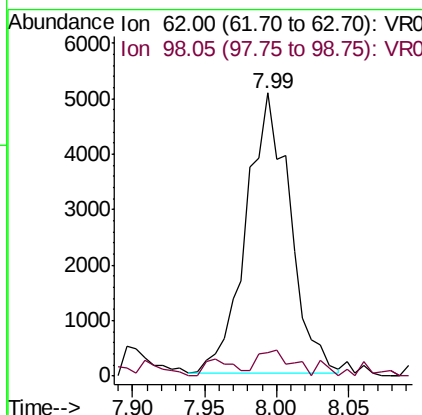
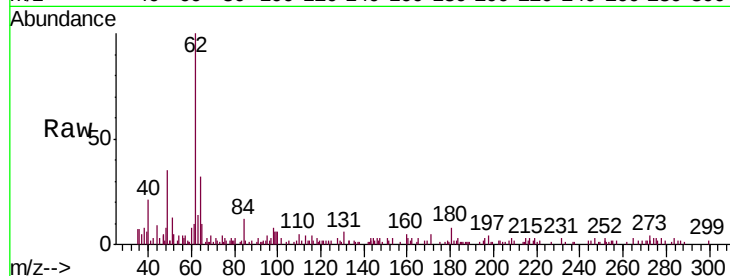




#27
 1,2-Dichloroethane
 Concen: 0.254 ug/L
 RT: 7.99 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: VR026144.D
 Acq: 19 Oct 2018 11:51

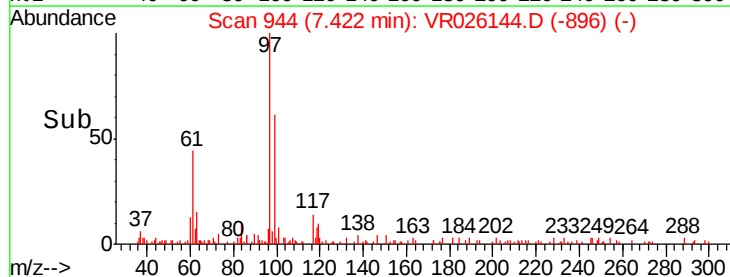
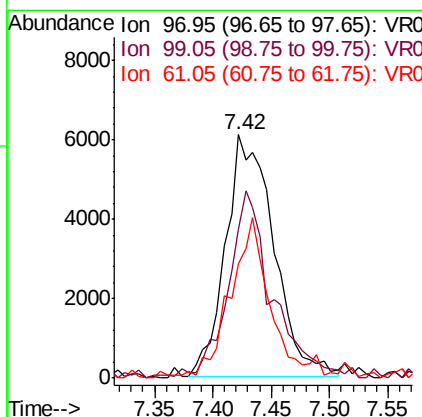
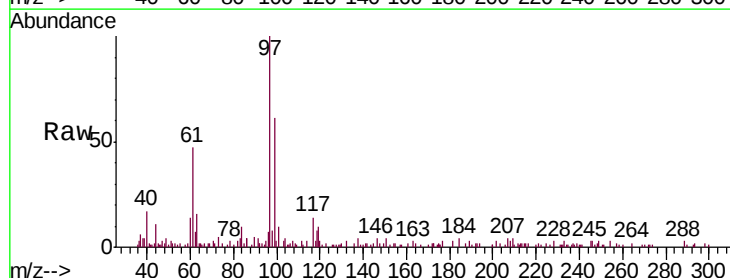
Instrument :
 MSVOA_R
 ClientSampleId :
 MDL 0.25 PPB

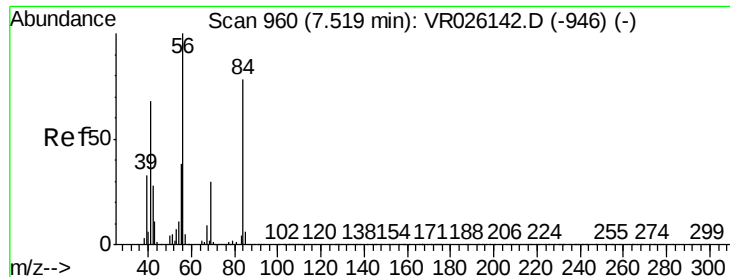
Tgt Ion: 62 Resp: 10607
 Ion Ratio Lower Upper
 62 100
 98 8.3 5.6 8.4



#29
 1,1,1-Trichloroethane
 Concen: 0.239 ug/L
 RT: 7.42 min Scan# 944
 Delta R.T. -0.01 min
 Lab File: VR026144.D
 Acq: 19 Oct 2018 11:51

Tgt Ion: 97 Resp: 17417
 Ion Ratio Lower Upper
 97 100
 99 71.9 51.1 76.7
 61 55.0 42.1 63.1

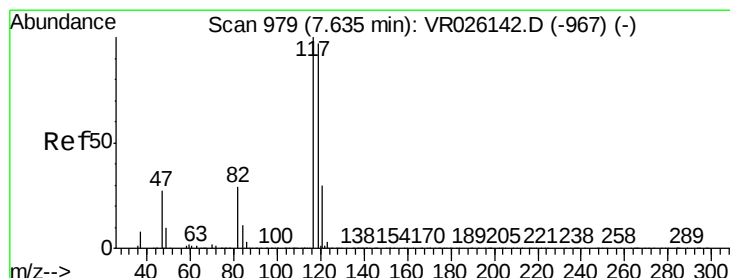
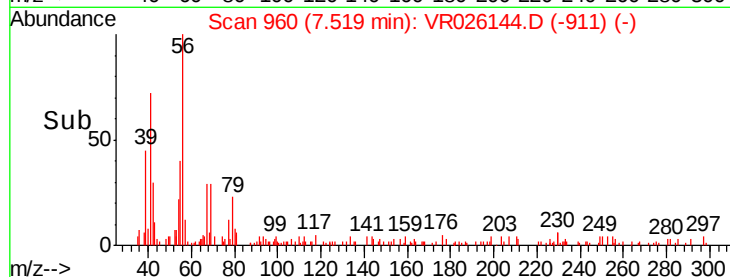
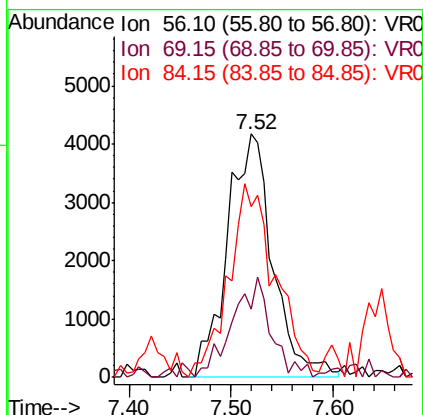
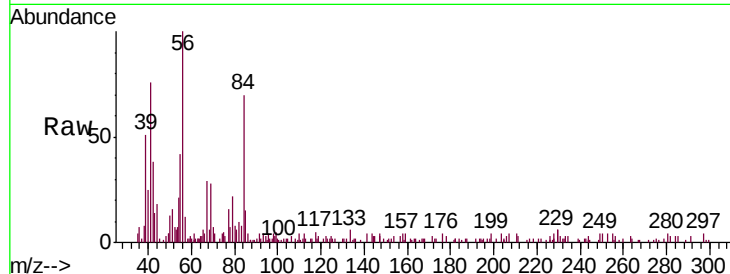




#30
Cyclohexane
Concen: 0.176 ug/L
RT: 7.52 min Scan# 960
Delta R.T. 0.00 min
Lab File: VR026144.D
Acq: 19 Oct 2018 11:51

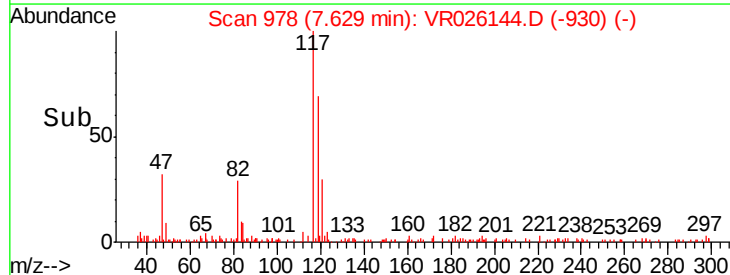
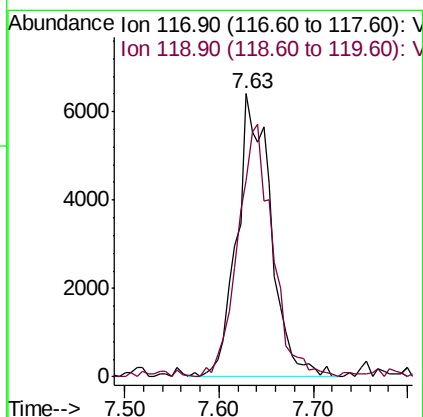
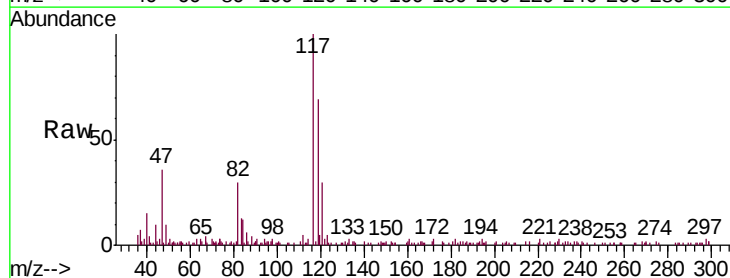
Instrument :
MSVOA_R
ClientSampled :
MDL 0.25 PPB

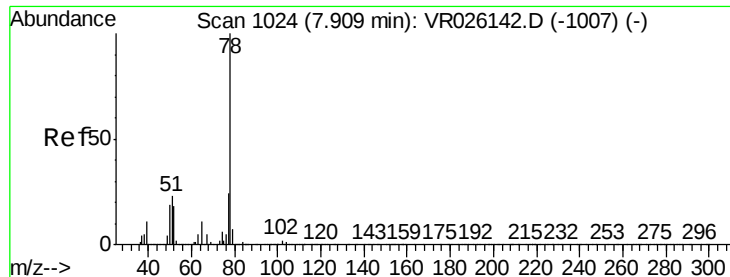
Tgt Ion	Ratio	Lower	Upper
56	100		
69	35.2	23.8	35.8
84	81.1	62.2	93.4



#31
Carbon tetrachloride
Concen: 0.243 ug/L
RT: 7.63 min Scan# 978
Delta R.T. -0.01 min
Lab File: VR026144.D
Acq: 19 Oct 2018 11:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.6	74.2	111.2





#33

Benzene

Concen: 0.275 ug/L

RT: 7.91 min Scan# 1024

Delta R.T. 0.00 min

Lab File: VR026144.D

Acq: 19 Oct 2018 11:51

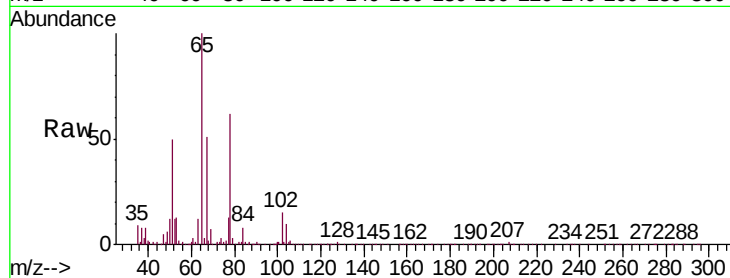
Instrument :

MSVOA_R

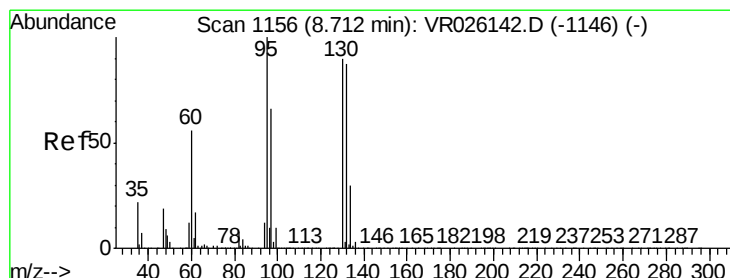
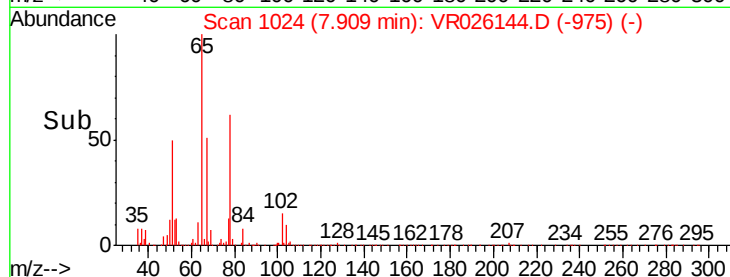
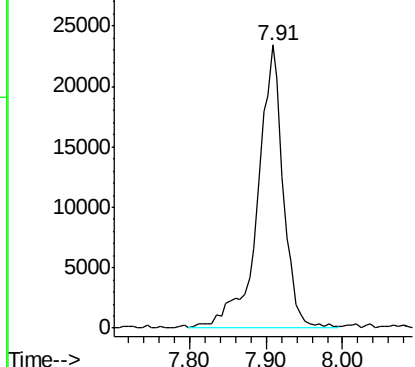
ClientSampleId :

MDL 0.25 PPB

Tgt Ion: 78 Resp: 55010



Abundance Ion 78.10 (77.80 to 78.80): VR0



#34

Trichloroethene

Concen: 0.229 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VR026144.D

Acq: 19 Oct 2018 11:51

Tgt Ion: 95 Resp: 11710

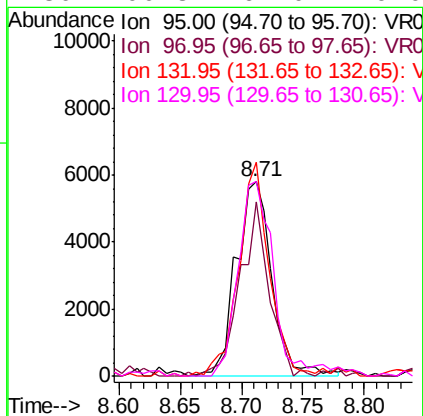
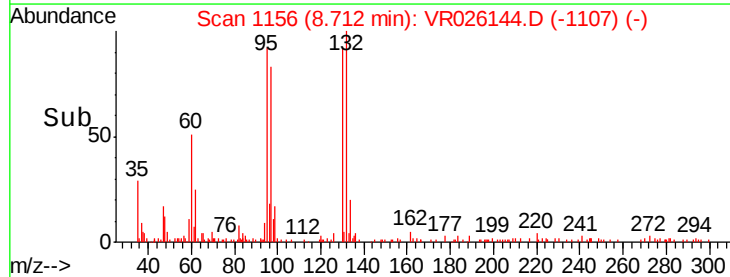
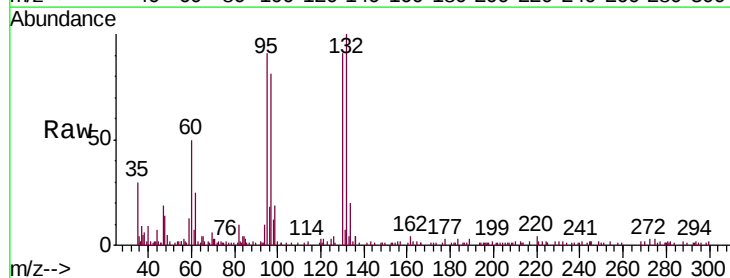
Ion	Ratio	Lower	Upper
95	100		
97	89.5	45.7	84.9#
132	109.9	58.3	108.3#
130	100.3	64.0	119.0

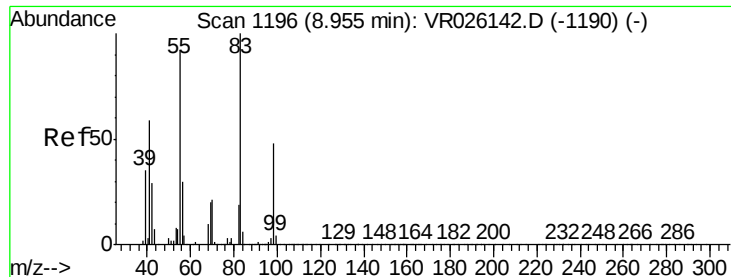
Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): VR0

Ion 129.95 (129.65 to 130.65): VR0

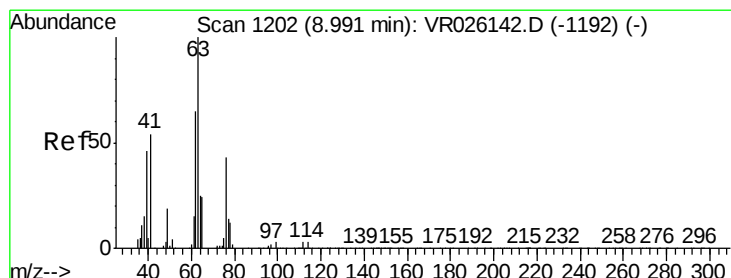
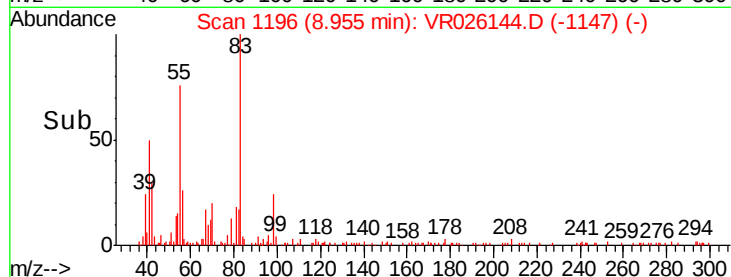
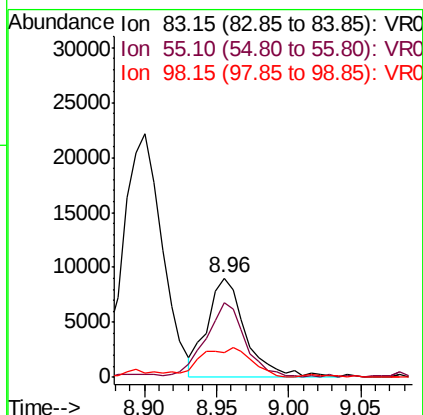
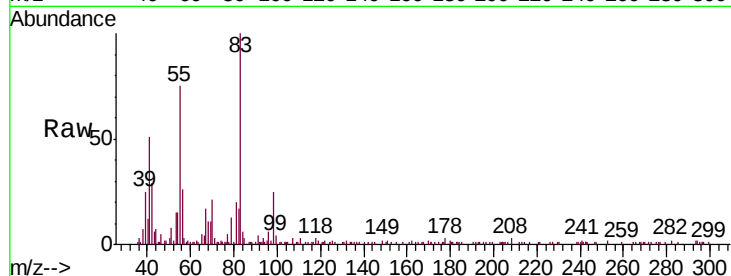




#35
Methylcyclohexane
Concen: 0.216 ug/L
RT: 8.96 min Scan# 1196
Delta R.T. 0.00 min
Lab File: VR026144.D
Acq: 19 Oct 2018 11:51

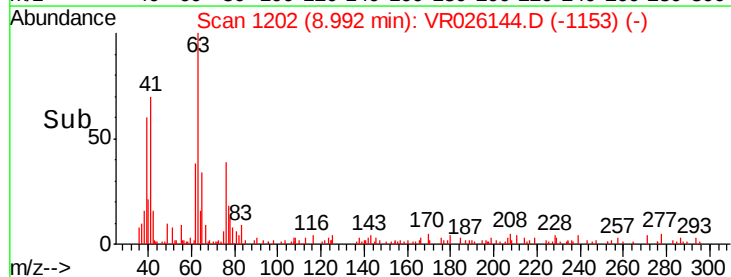
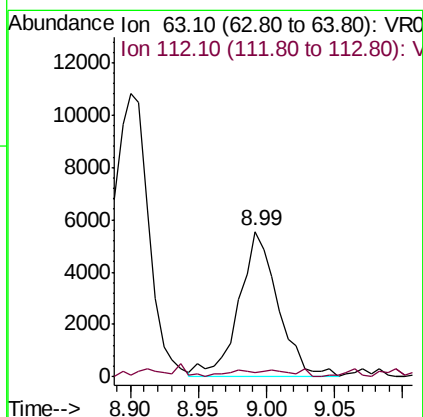
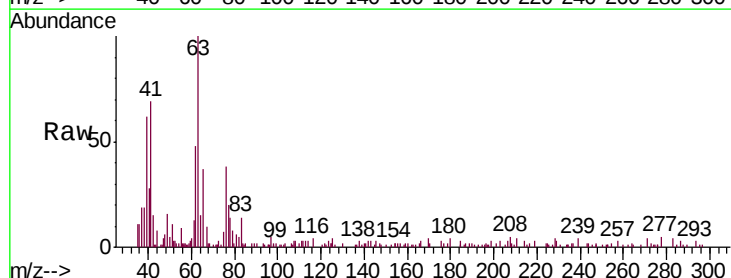
Instrument :
MSVOA_R
ClientSampleId :
MDL 0.25 PPB

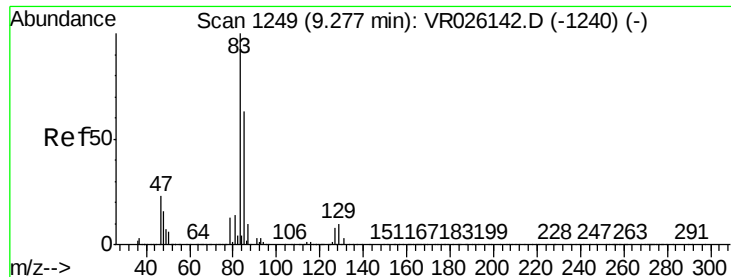
Tgt Ion: 83 Resp: 16425
Ion Ratio Lower Upper
83 100
55 79.4 66.8 100.2
98 39.8 35.2 52.8



#37
1,2-Dichloropropane
Concen: 0.264 ug/L
RT: 8.99 min Scan# 1202
Delta R.T. 0.00 min
Lab File: VR026144.D
Acq: 19 Oct 2018 11:51

Tgt Ion: 63 Resp: 11131
Ion Ratio Lower Upper
63 100
112 3.4 2.7 4.1





#38

Bromodichloromethane

Concen: 0.220 ug/L

RT: 9.28 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VR026144.D

Acq: 19 Oct 2018 11:51

Instrument :

MSVOA_R

ClientSampleId :

MDL 0.25 PPB

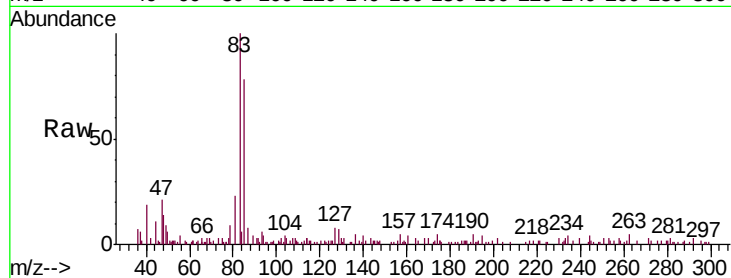
Tgt Ion: 83 Resp: 9988

Ion Ratio Lower Upper

83 100

85 77.7 43.5 80.7

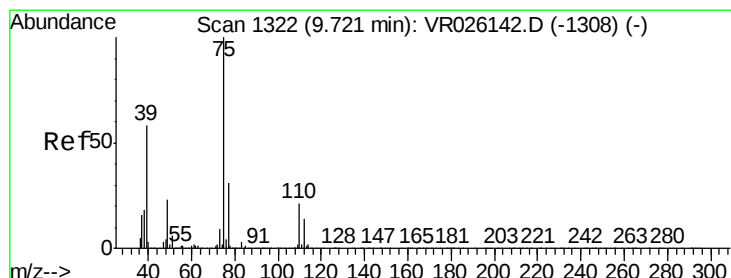
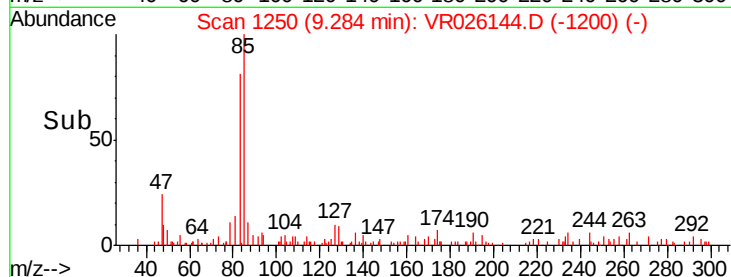
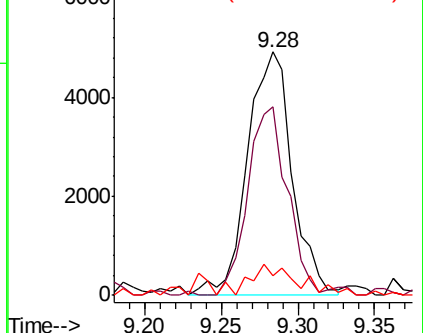
127 8.1 7.0 10.6



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: 0.197 ug/L

RT: 9.72 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VR026144.D

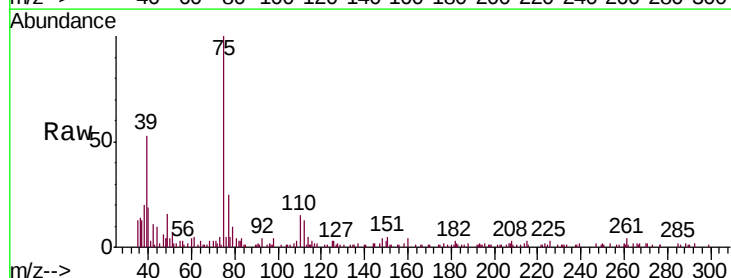
Acq: 19 Oct 2018 11:51

Tgt Ion: 75 Resp: 9527

Ion Ratio Lower Upper

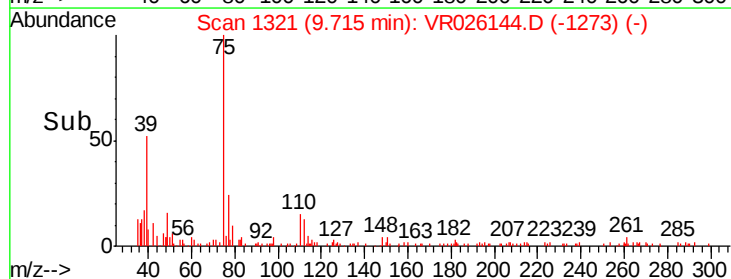
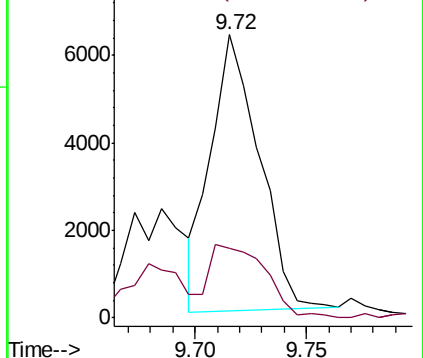
75 100

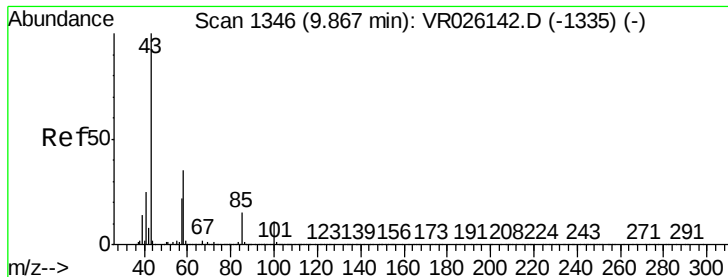
77 24.7 22.7 42.1



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

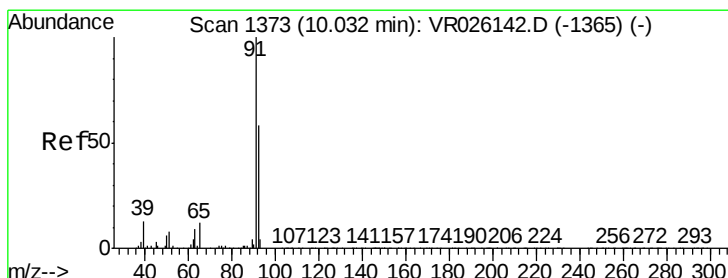
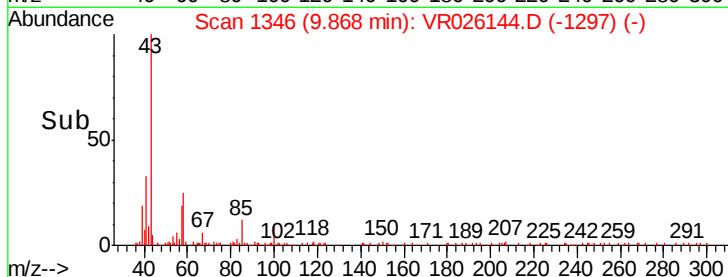
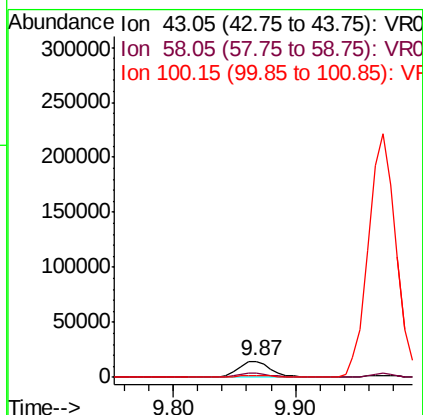
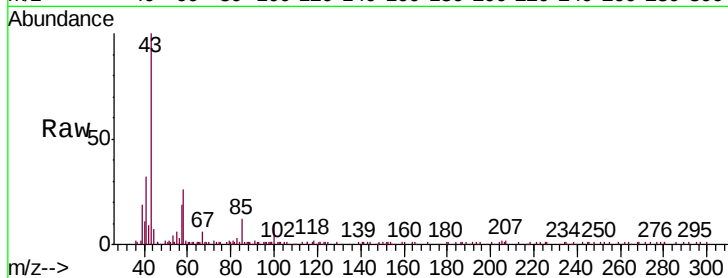




#40
4-Methyl-2-pentanone
Concen: 2.047 ug/L
RT: 9.87 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VR026144.D
Acq: 19 Oct 2018 11:51

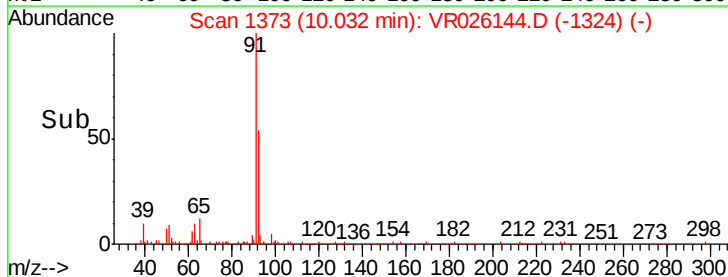
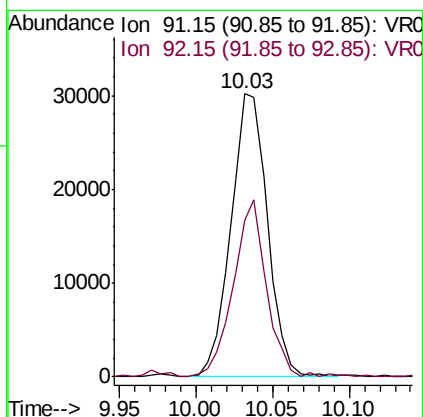
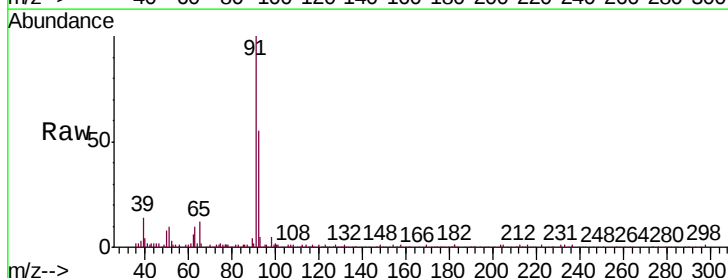
Instrument :
MSVOA_R
ClientSampleId :
MDL 0.25 PPB

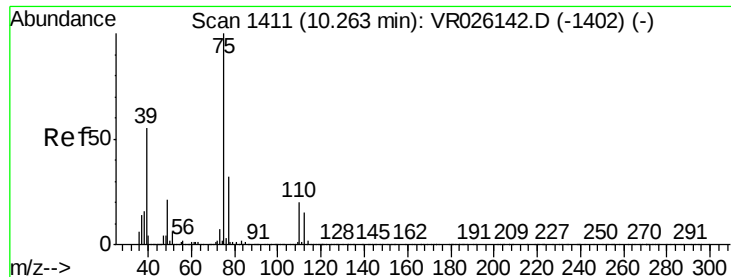
Tgt Ion: 43 Resp: 26380
Ion Ratio Lower Upper
43 100
58 29.9 28.1 42.1
100 0.0 9.3 13.9#



#42
Toluene
Concen: 0.234 ug/L
RT: 10.03 min Scan# 1373
Delta R.T. 0.00 min
Lab File: VR026144.D
Acq: 19 Oct 2018 11:51

Tgt Ion: 91 Resp: 49380
Ion Ratio Lower Upper
91 100
92 55.3 40.8 75.8

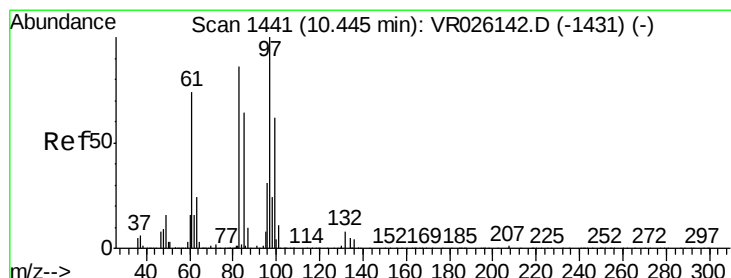
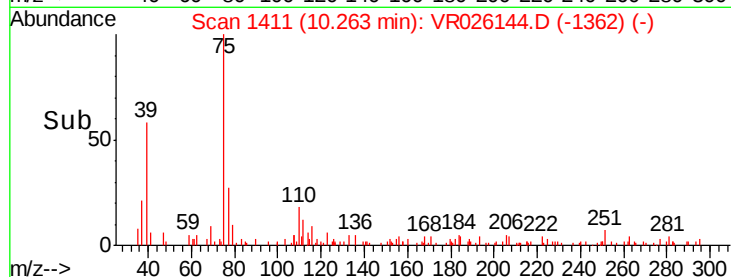
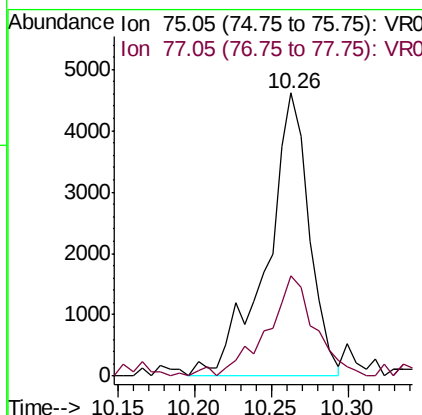
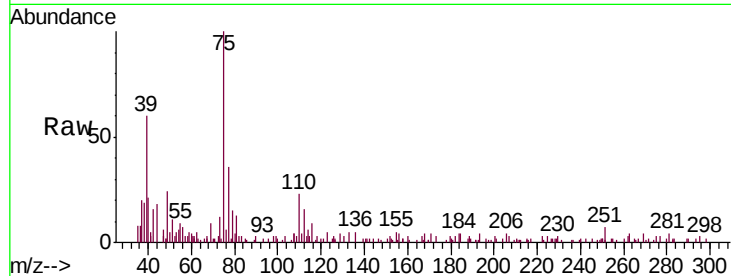




#44
trans-1,3-Dichloropropene
Concen: 0.263 ug/L
RT: 10.26 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VR026144.D
Acq: 19 Oct 2018 11:51

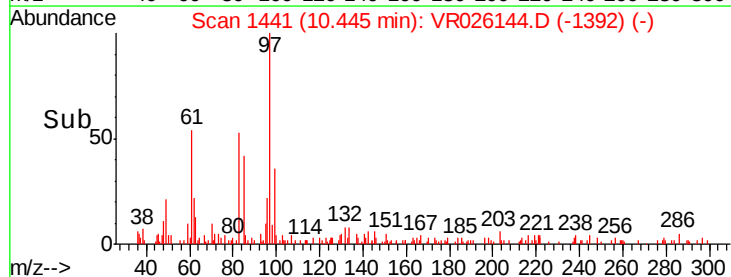
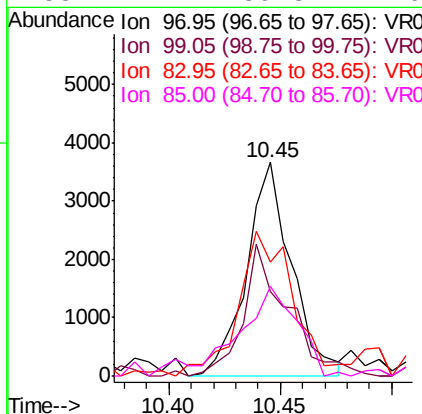
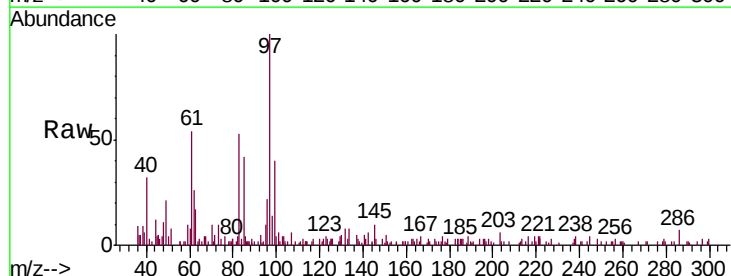
Instrument :
MSVOA_R
ClientSampleId :
MDL 0.25 PPB

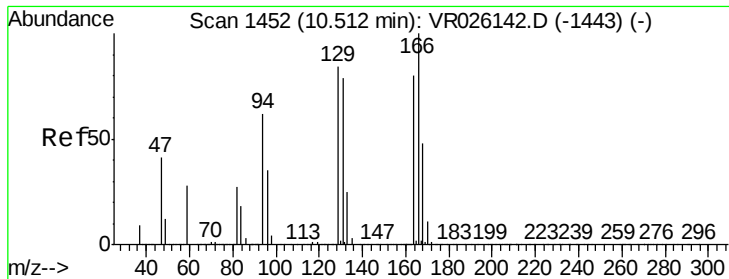
Tgt Ion: 75 Resp: 8865
Ion Ratio Lower Upper
75 100
77 35.7 24.1 44.7



#45
1,1,2-Trichloroethane
Concen: 0.290 ug/L
RT: 10.45 min Scan# 1441
Delta R.T. 0.00 min
Lab File: VR026144.D
Acq: 19 Oct 2018 11:51

Tgt Ion: 97 Resp: 5158
Ion Ratio Lower Upper
97 100
99 39.5 42.8 79.4#
83 53.3 61.9 114.9#
85 42.1 39.3 72.9

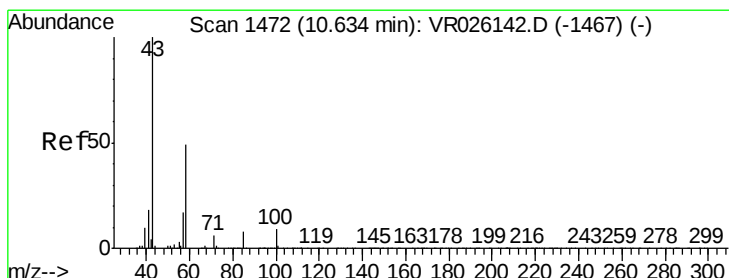
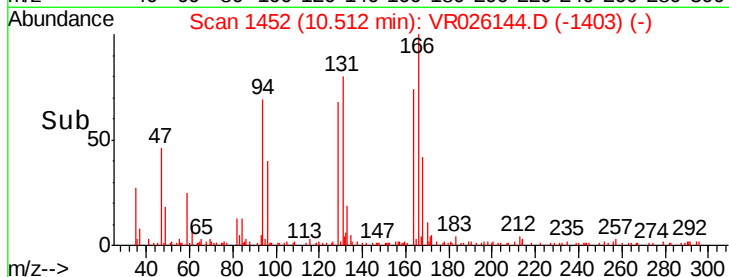
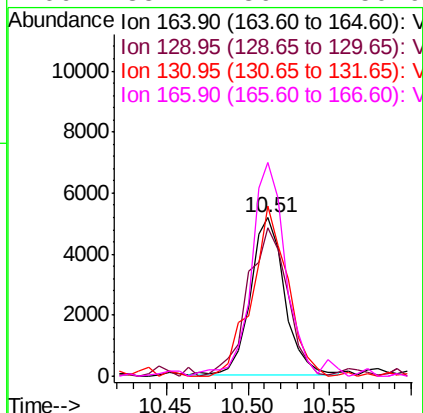
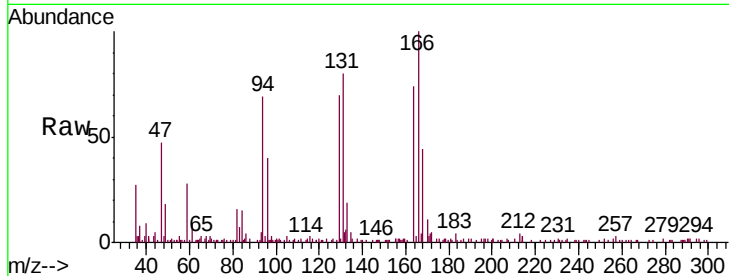




#47
Tetrachloroethene
Concen: 0.203 ug/L
RT: 10.51 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VR026144.D
Acq: 19 Oct 2018 11:51

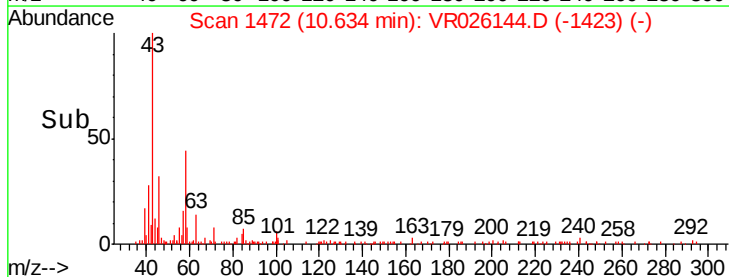
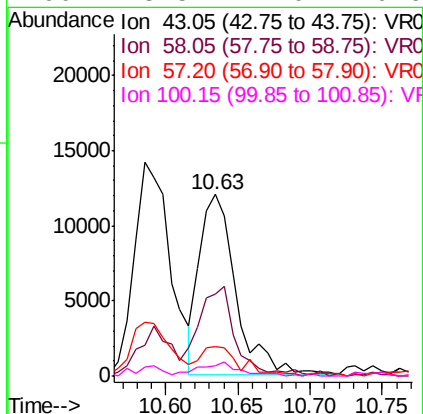
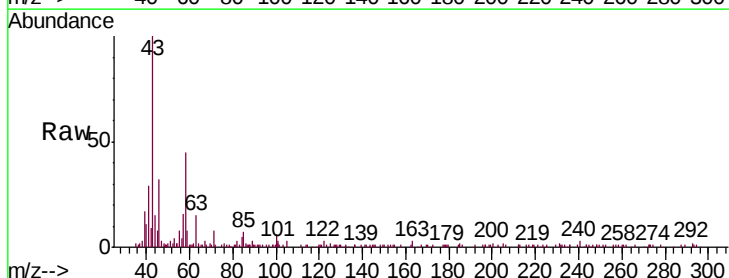
Instrument :
MSVOA_R
ClientSampleId :
MDL 0.25 PPB

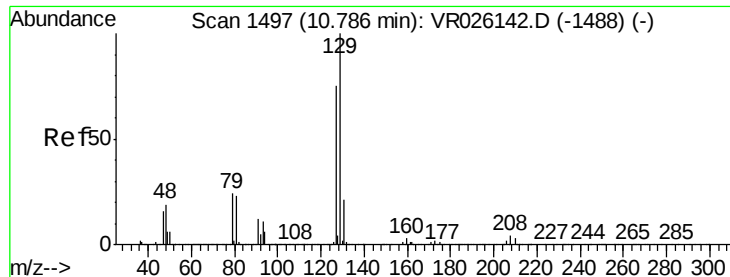
Tgt Ion:164 Resp: 7428
Ion Ratio Lower Upper
164 100
129 93.9 70.3 130.5
131 107.5 67.3 125.1
166 135.1 86.1 159.9



#48
2-Hexanone
Concen: 2.487 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR026144.D
Acq: 19 Oct 2018 11:51

Tgt Ion: 43 Resp: 20928
Ion Ratio Lower Upper
43 100
58 50.6 39.6 59.4
57 18.3 14.0 21.0
100 8.5 7.0 10.6





#49

Dibromochloromethane

Concen: 0.195 ug/L

RT: 10.79 min Scan# 1497

Delta R.T. 0.00 min

Lab File: VR026144.D

Acq: 19 Oct 2018 11:51

Instrument :

MSVOA_R

ClientSampled :

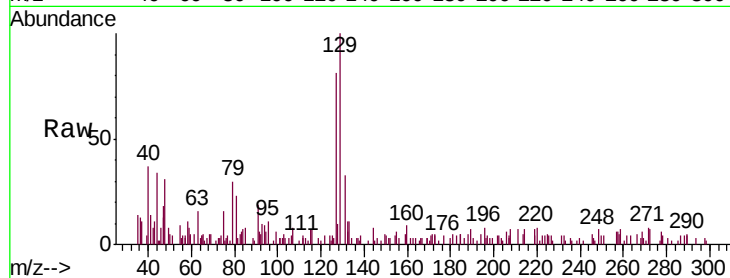
MDL 0.25 PPB

Tgt Ion:129 Resp: 3909

Ion Ratio Lower Upper

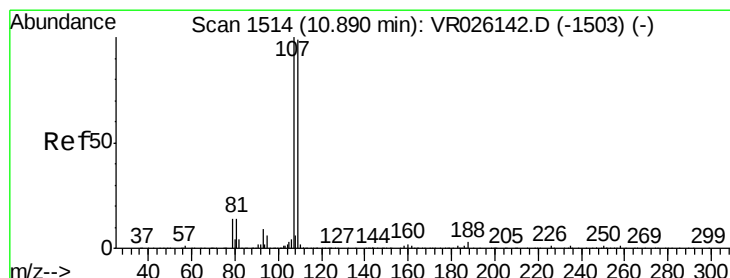
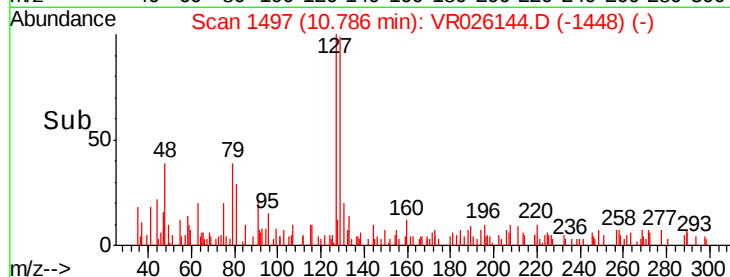
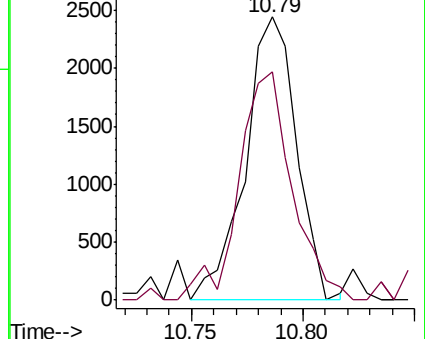
129 100

127 80.9 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: 0.259 ug/L

RT: 10.89 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VR026144.D

Acq: 19 Oct 2018 11:51

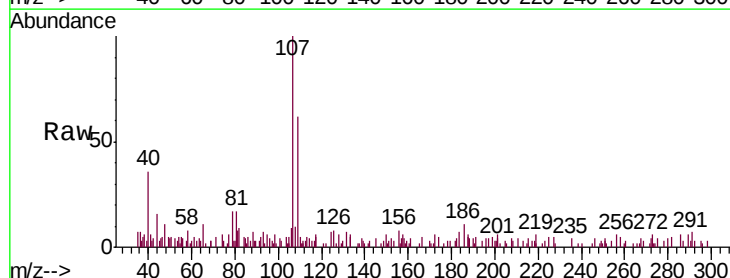
Tgt Ion:107 Resp: 3982

Ion Ratio Lower Upper

107 100

109 61.9 58.7 109.1

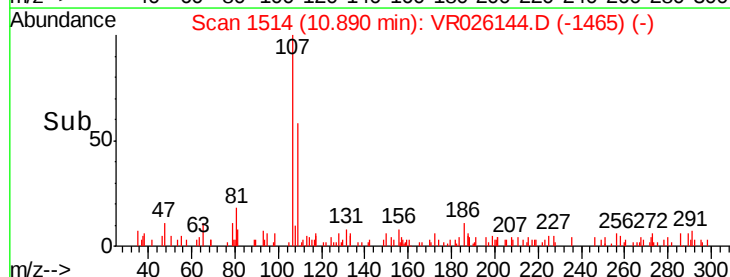
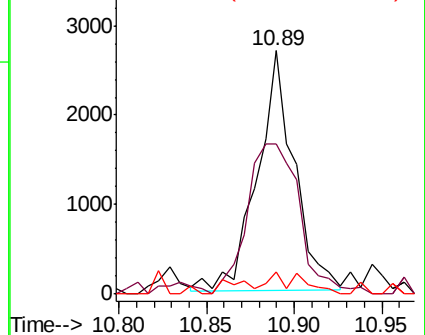
188 9.3 2.9 4.3#

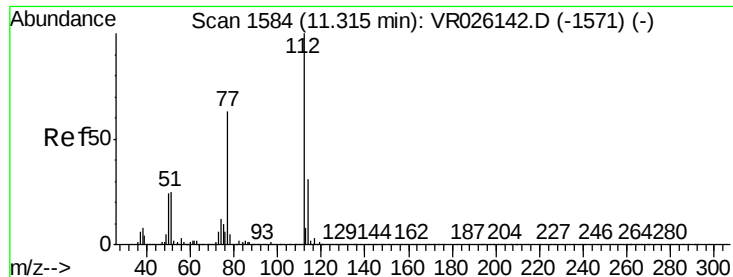


Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V





#51

Chlorobenzene

Concen: 0.228 ug/L

RT: 11.32 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VR026144.D

Acq: 19 Oct 2018 11:51

Instrument :

MSVOA_R

ClientSampleId :

MDL 0.25 PPB

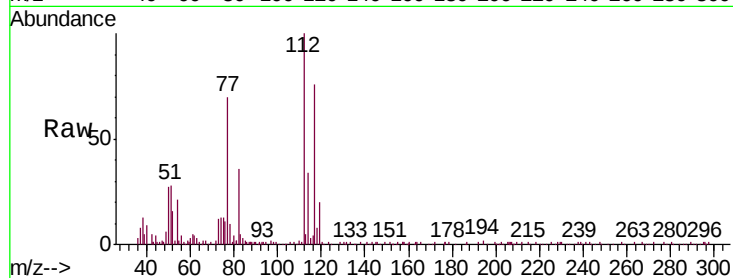
Tgt Ion: 112 Resp: 26623

Ion Ratio Lower Upper

112 100

114 34.0 22.8 42.4

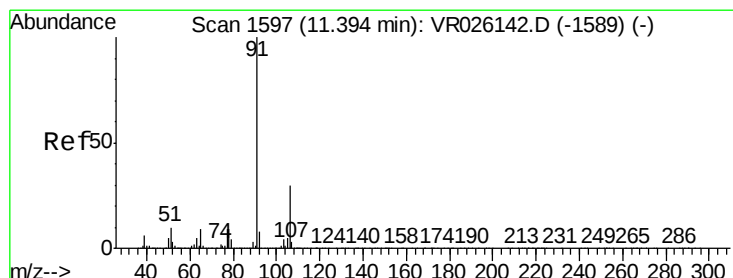
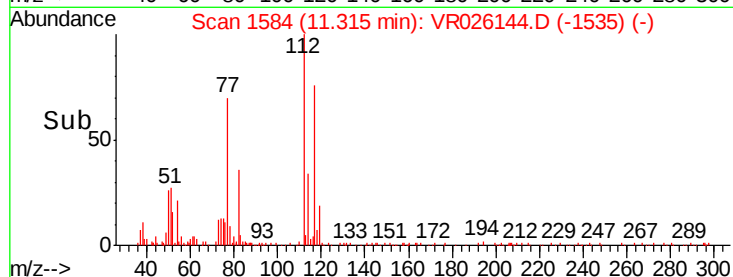
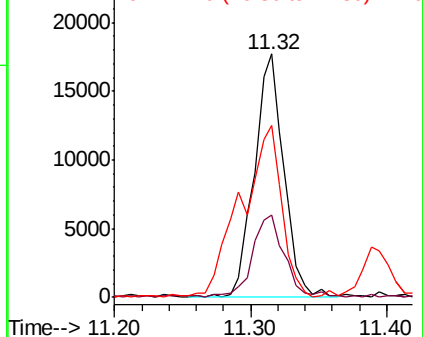
77 70.5 51.5 77.3



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: 0.215 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR026144.D

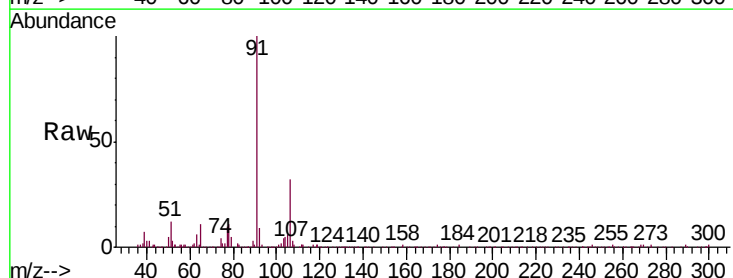
Acq: 19 Oct 2018 11:51

Tgt Ion: 91 Resp: 52097

Ion Ratio Lower Upper

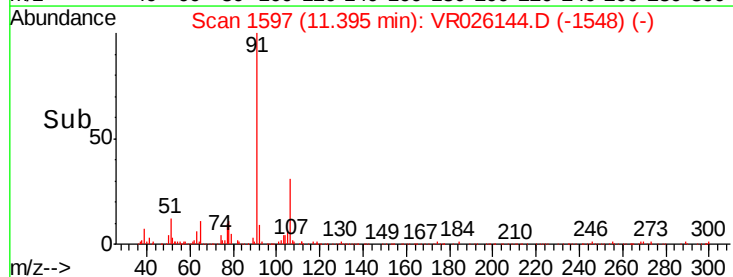
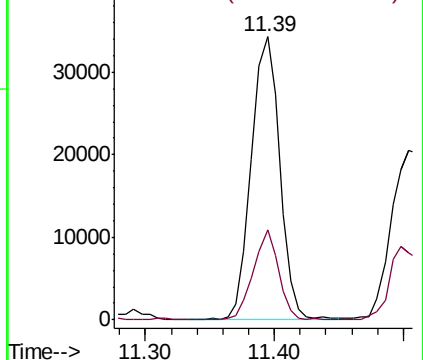
91 100

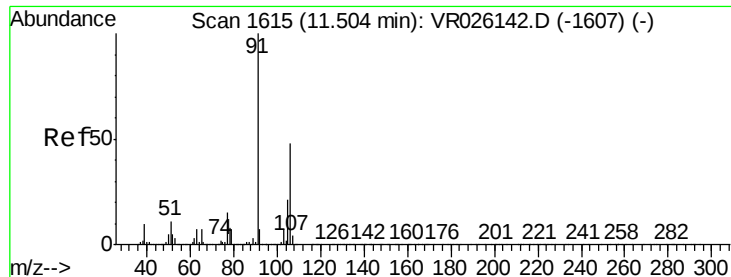
106 31.8 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 0.193 ug/L

RT: 11.50 min Scan# 1614

Delta R.T. -0.01 min

Lab File: VR026144.D

Acq: 19 Oct 2018 11:51

Instrument :

MSVOA_R

ClientSampleId :

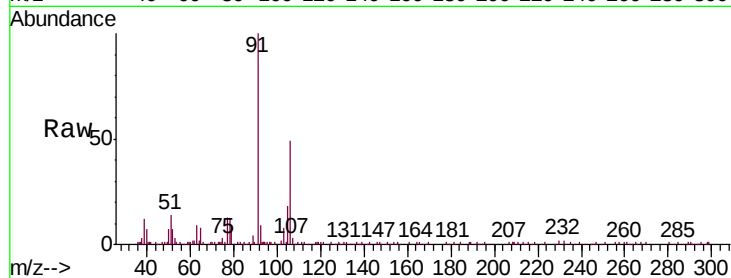
MDL 0.25 PPB

Tgt Ion:106 Resp: 17094

Ion Ratio Lower Upper

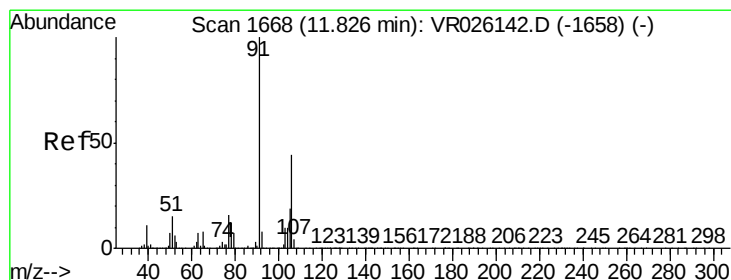
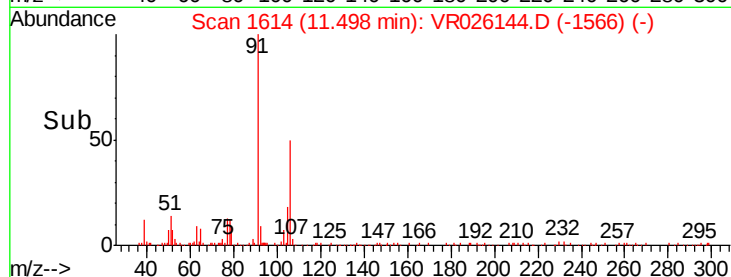
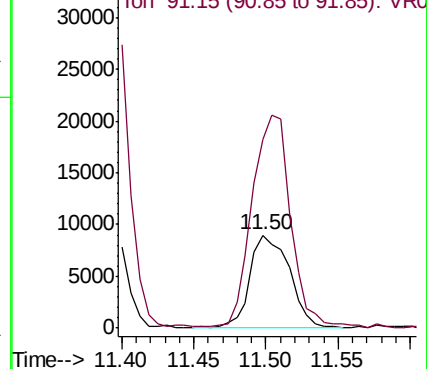
106 100

91 203.6 145.3 269.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0



#54

o-Xylene

Concen: 0.158 ug/L

RT: 11.83 min Scan# 1669

Delta R.T. 0.01 min

Lab File: VR026144.D

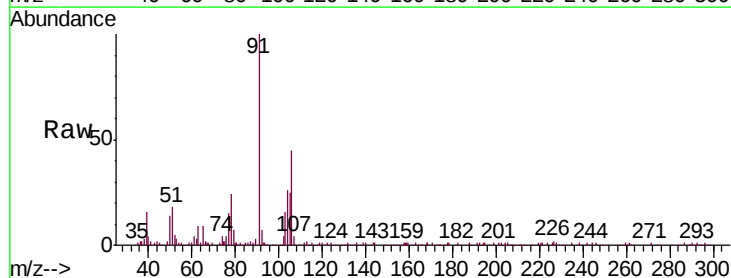
Acq: 19 Oct 2018 11:51

Tgt Ion:106 Resp: 12780

Ion Ratio Lower Upper

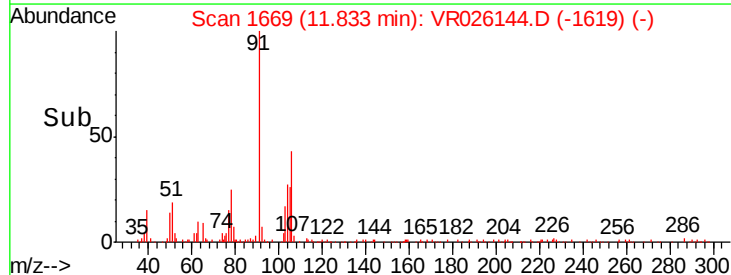
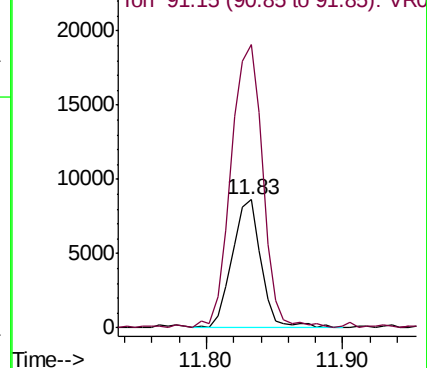
106 100

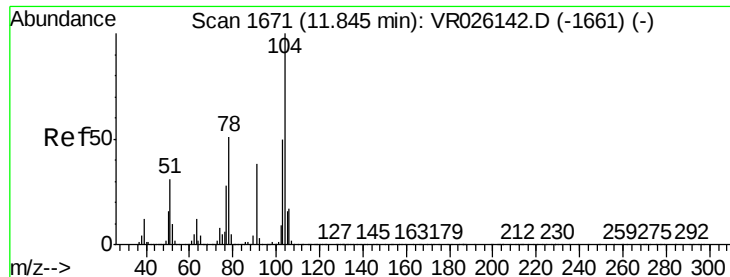
91 221.3 155.8 289.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0





#55

Styrene

Concen: 0.155 ug/L

RT: 11.84 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VR026144.D

Acq: 19 Oct 2018 11:51

Instrument :

MSVOA_R

ClientSampleId :

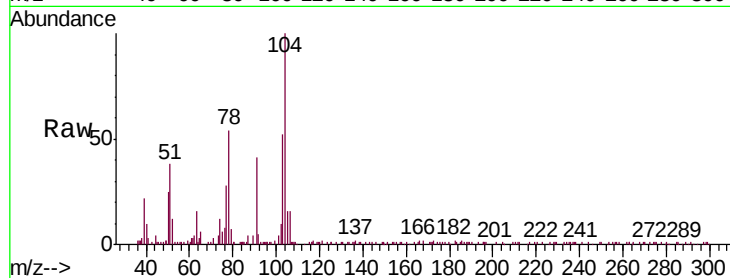
MDL 0.25 PPB

Tgt Ion:104 Resp: 19357

Ion Ratio Lower Upper

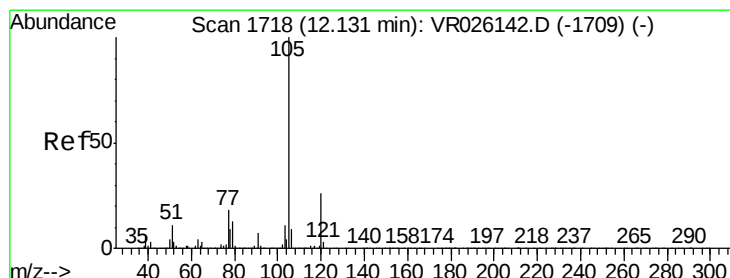
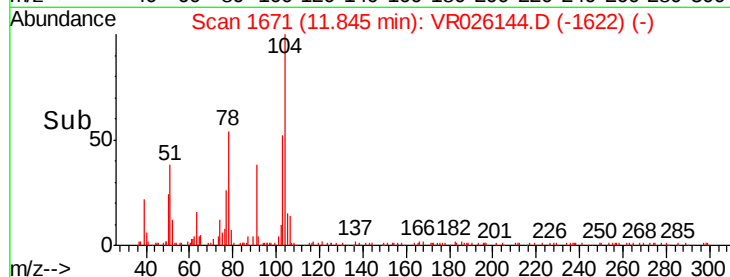
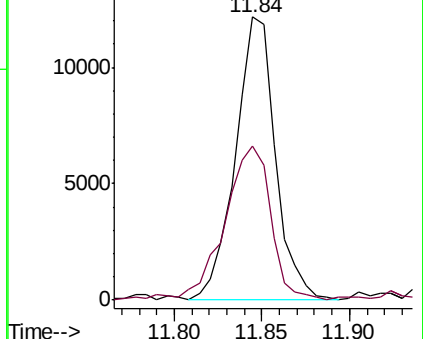
104 100

78 54.5 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: 0.170 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026144.D

Acq: 19 Oct 2018 11:51

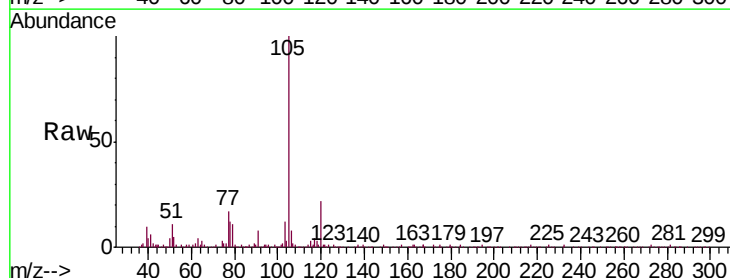
Tgt Ion:105 Resp: 38315

Ion Ratio Lower Upper

105 100

120 25.3 21.0 31.4

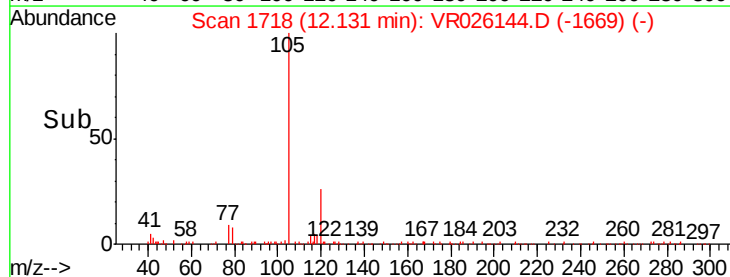
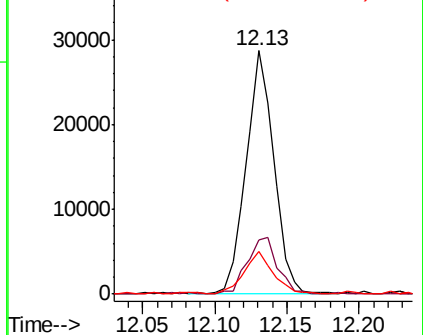
77 18.5 14.6 21.8

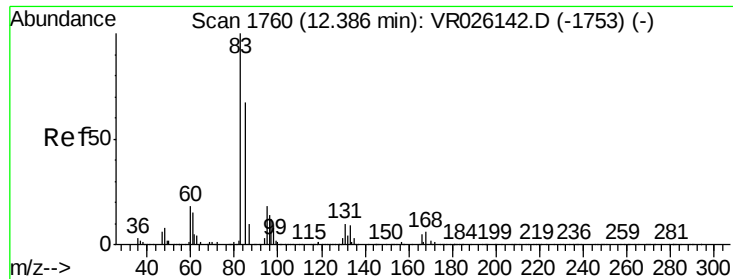


Abundance Ion 105.05 (104.75 to 105.75): V

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: 0.241 ug/L

RT: 12.38 min Scan# 1759

Delta R.T. -0.01 min

Lab File: VR026144.D

Acq: 19 Oct 2018 11:51

Instrument :

MSVOA_R

ClientSampleId :

MDL 0.25 PPB

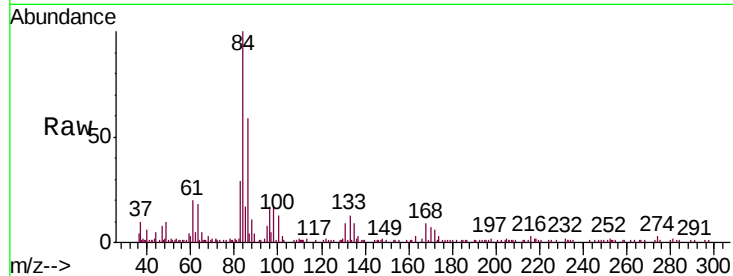
Tgt Ion: 83 Resp: 4365

Ion Ratio Lower Upper

83 100

85 58.1 44.0 81.8

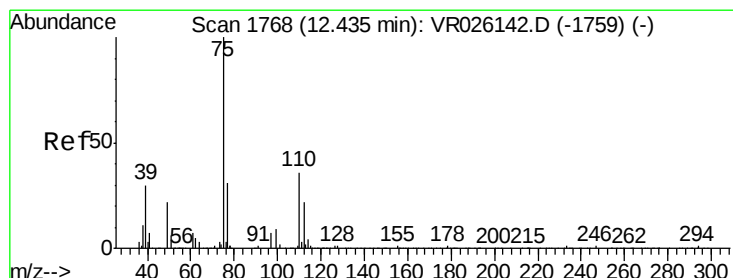
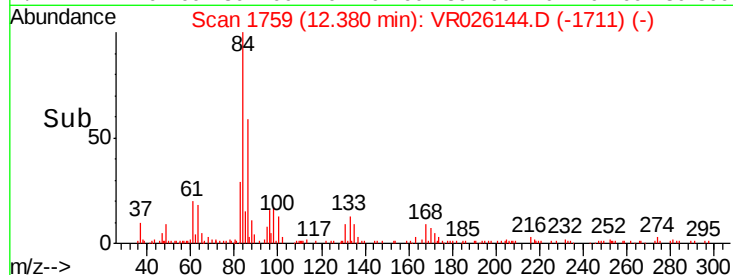
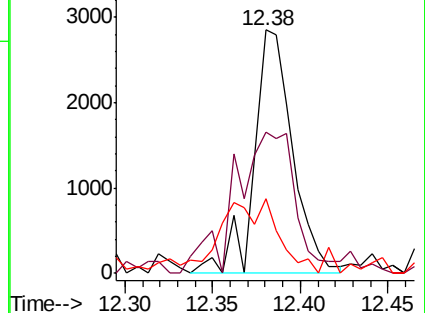
131 30.4 8.0 12.0#



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



#59

1,2,3-Trichloropropane

Concen: 0.276 ug/L

RT: 12.44 min Scan# 1769

Delta R.T. 0.01 min

Lab File: VR026144.D

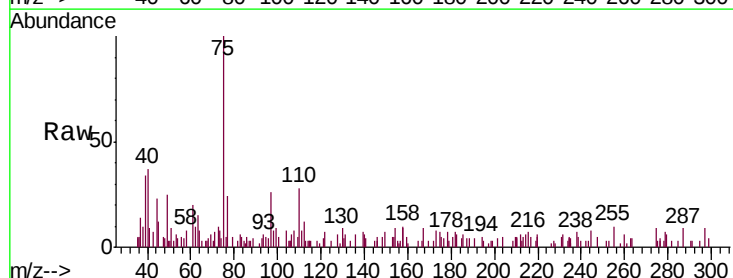
Acq: 19 Oct 2018 11:51

Tgt Ion: 75 Resp: 3663

Ion Ratio Lower Upper

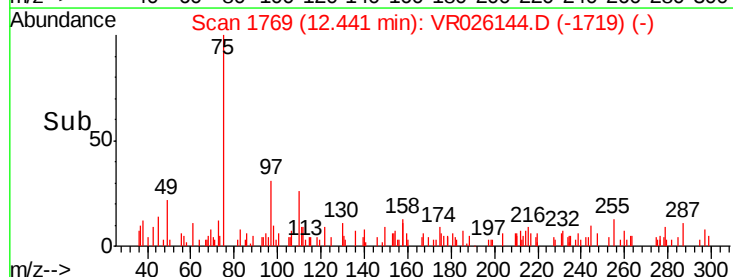
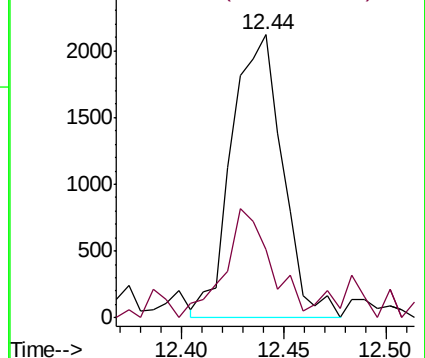
75 100

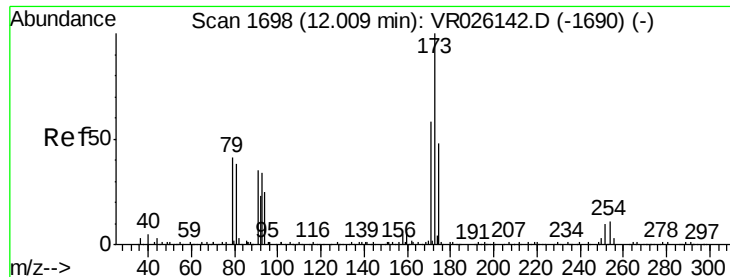
77 35.8 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VR0

Ion 77.00 (76.70 to 77.70): VR0





#61

Bromoform

Concen: 0.280 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR026144.D

Acq: 19 Oct 2018 11:51

Instrument :

MSVOA_R

ClientSampleId :

MDL 0.25 PPB

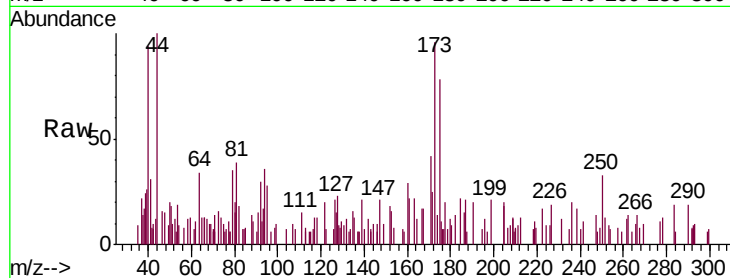
Tgt Ion:173 Resp: 1658

Ion Ratio Lower Upper

173 100

175 44.9 39.0 58.4

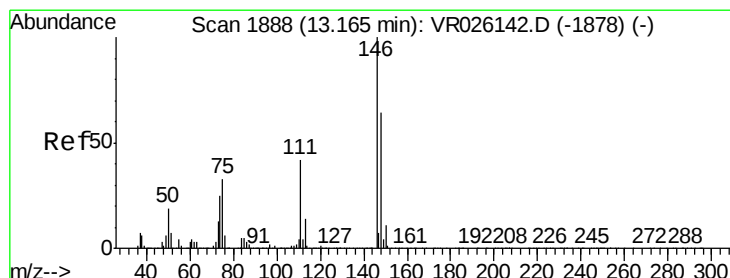
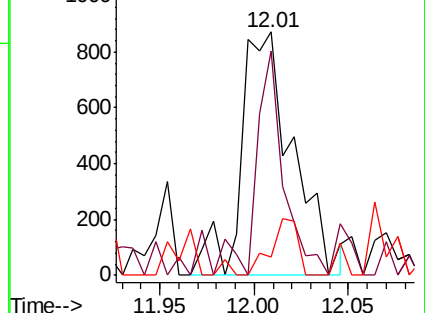
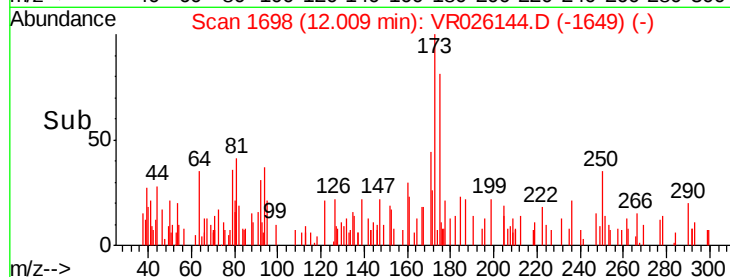
254 11.9 8.1 12.1



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: 0.214 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. -0.01 min

Lab File: VR026144.D

Acq: 19 Oct 2018 11:51

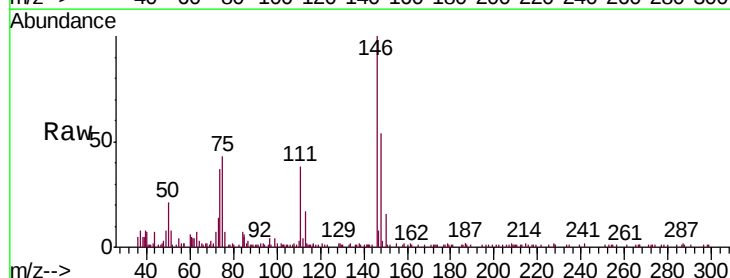
Tgt Ion:146 Resp: 12108

Ion Ratio Lower Upper

146 100

111 38.5 32.1 59.7

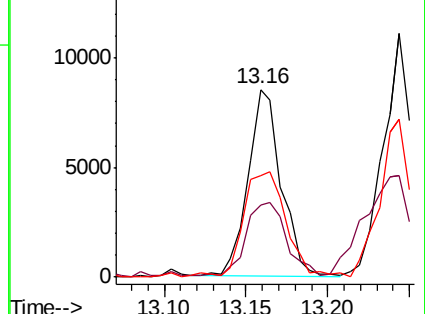
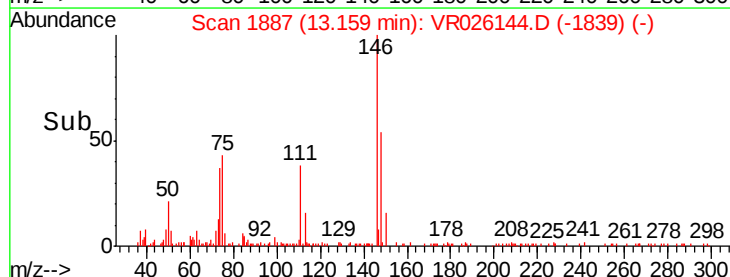
148 54.4 43.8 81.3

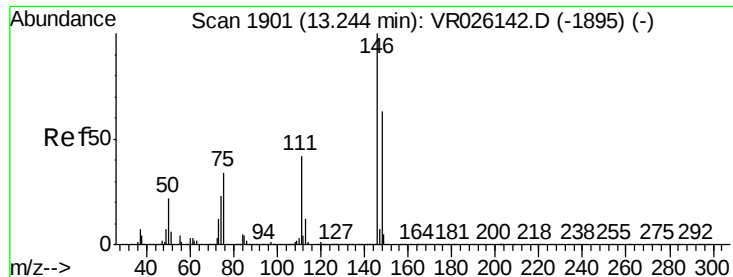


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

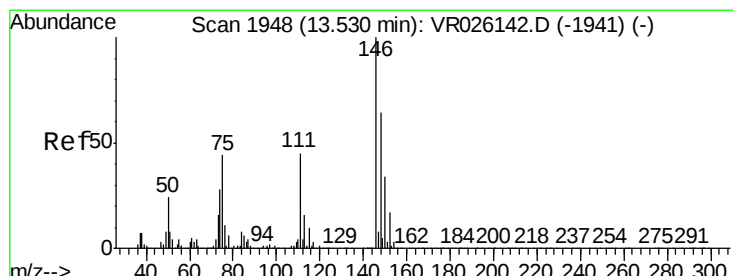
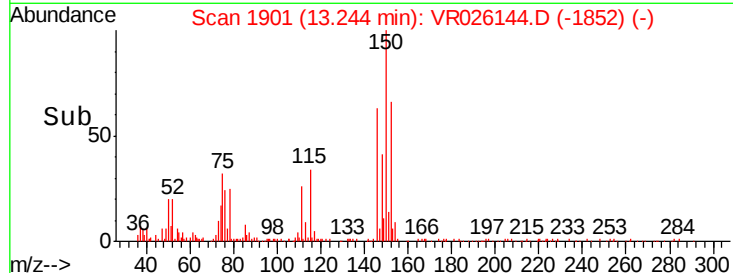
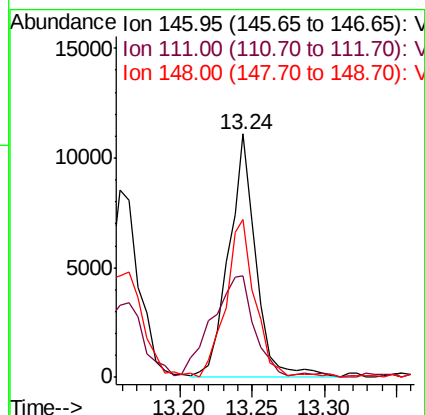
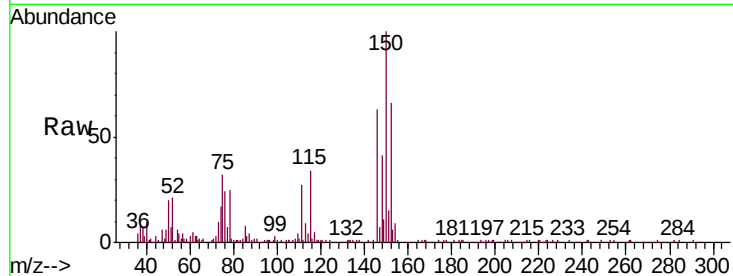




#63
 1,4-Dichlorobenzene
 Concen: 0.250 ug/L
 RT: 13.24 min Scan# 1901
 Delta R.T. 0.00 min
 Lab File: VR026144.D
 Acq: 19 Oct 2018 11:51

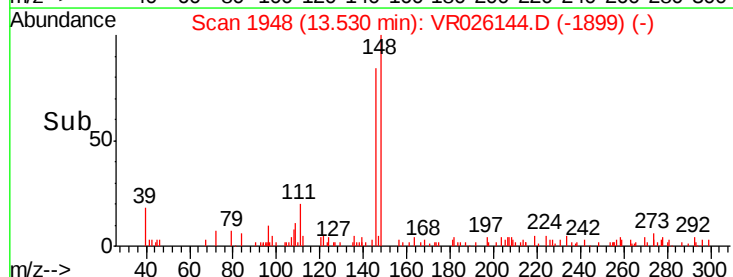
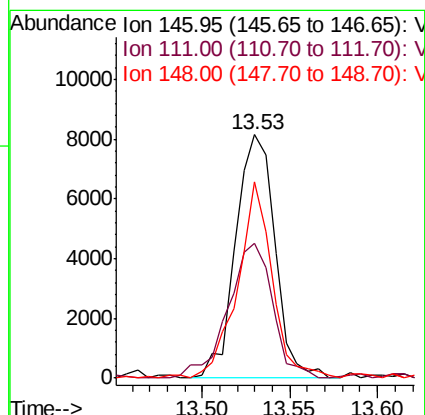
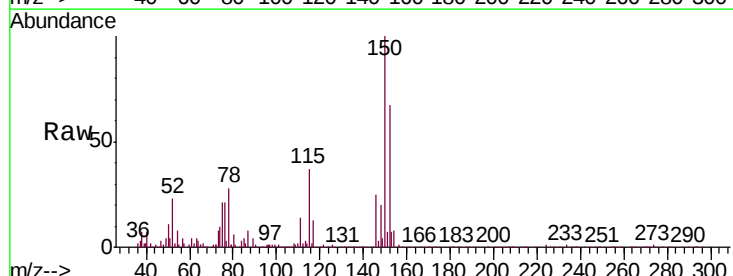
Instrument :
 MSVOA_R
 ClientSampleId :
 MDL 0.25 PPB

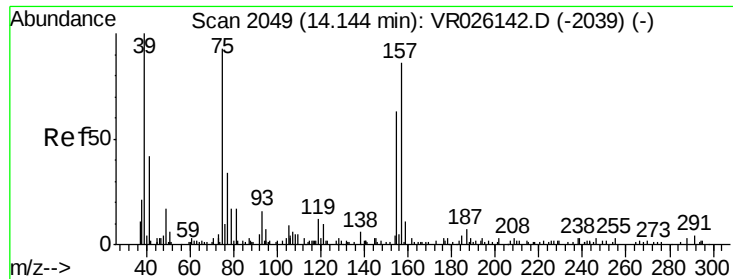
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	32.6	60.6
148	65.1	46.7	86.7



#65
 1,2-Dichlorobenzene
 Concen: 0.281 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. 0.00 min
 Lab File: VR026144.D
 Acq: 19 Oct 2018 11:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	55.4	35.2	52.8#
148	80.6	51.2	76.8#

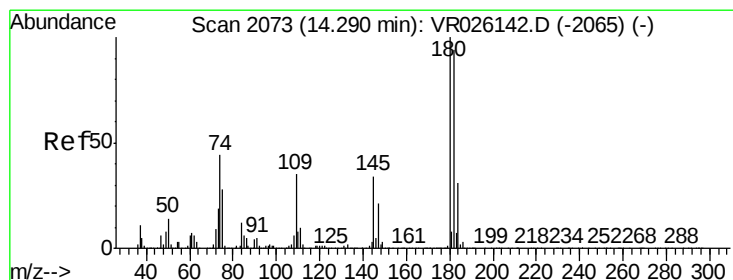
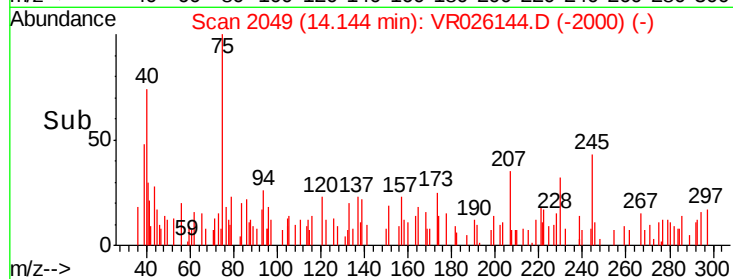
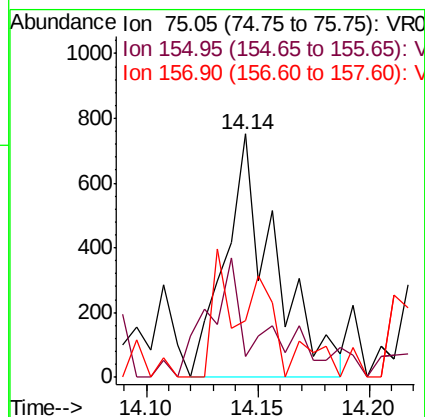
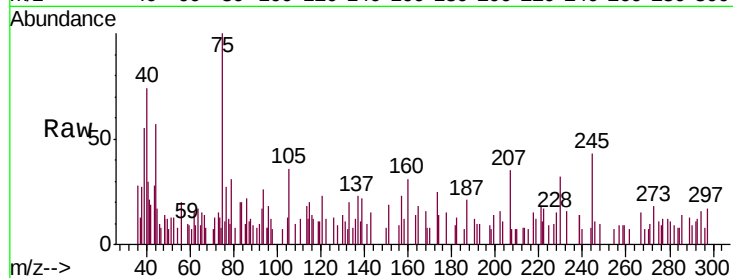




#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.628 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VR026144.D
 Acq: 19 Oct 2018 11:51

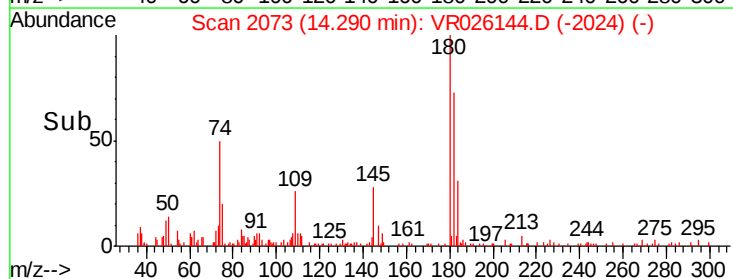
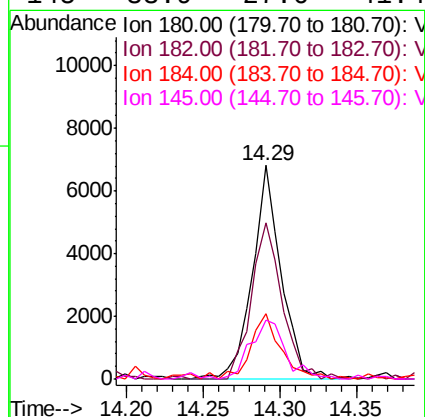
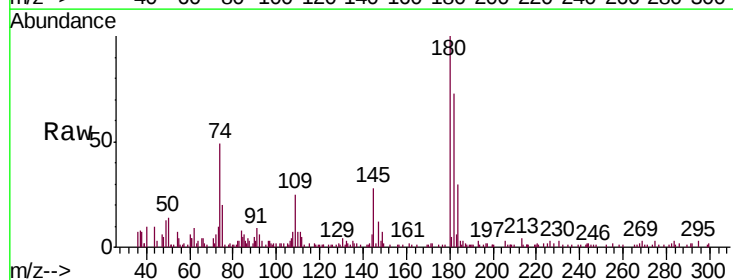
Instrument :
 MSVOA_R
 ClientSampleId :
 MDL 0.25 PPB

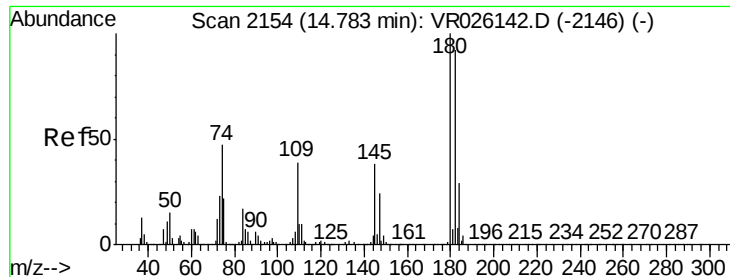
Tgt Ion: 75 Resp: 1162
 Ion Ratio Lower Upper
 75 100
 155 8.8 40.9 61.3#
 157 23.0 67.3 100.9#



#67
 1,3,5-Trichlorobenzene
 Concen: 0.257 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR026144.D
 Acq: 19 Oct 2018 11:51

Tgt Ion: 180 Resp: 8855
 Ion Ratio Lower Upper
 180 100
 182 78.2 77.5 116.3
 184 32.9 25.0 37.4
 145 33.9 27.6 41.4

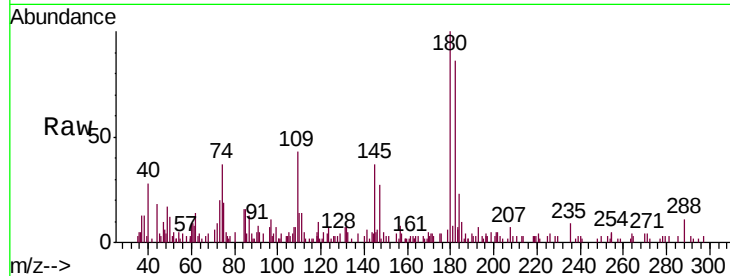




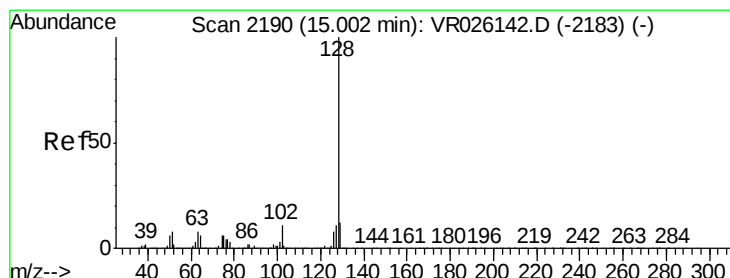
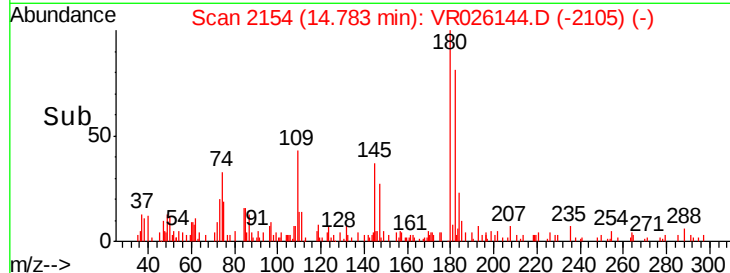
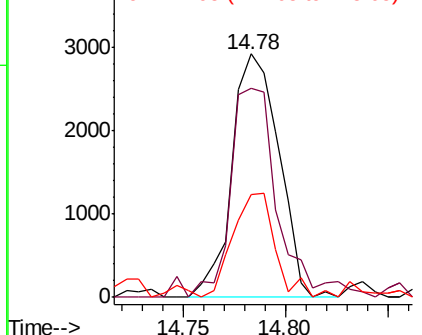
#68
 1,2,4-trichlorobenzene
 Concen: 0.231 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VR026144.D
 Acq: 19 Oct 2018 11:51

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL 0.25 PPB

Tgt Ion	Ratio	Lower	Upper
180	100		
182	86.9	76.1	114.1
145	38.9	28.2	42.4

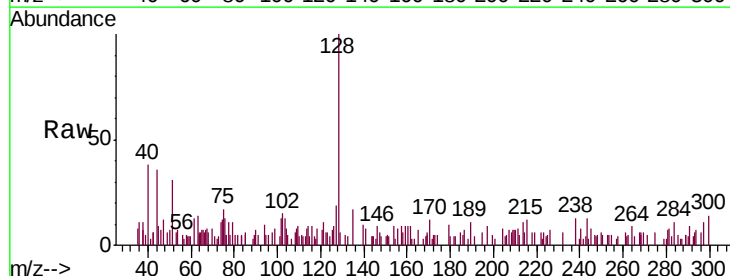


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

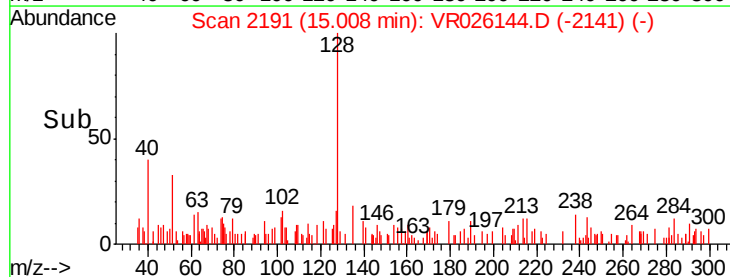
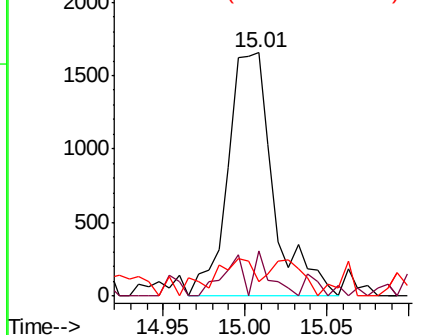


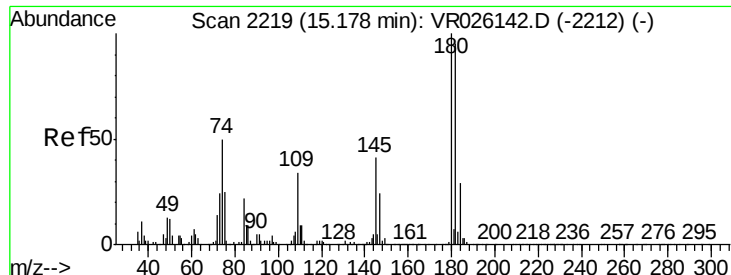
#69
 Naphthalene
 Concen: 0.164 ug/L
 RT: 15.01 min Scan# 2191
 Delta R.T. 0.01 min
 Lab File: VR026144.D
 Acq: 19 Oct 2018 11:51

Tgt Ion	Ratio	Lower	Upper
128	100		
127	6.5	11.0	16.6#
129	0.0	9.1	13.7#



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

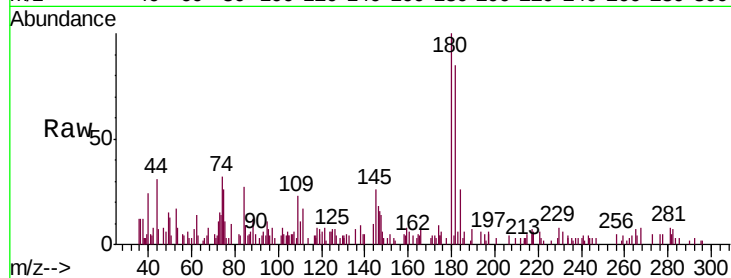




#70
 1,2,3-Trichlorobenzene
 Concen: 0.230 ug/L
 RT: 15.18 min Scan# 2220
 Delta R.T. 0.01 min
 Lab File: VR026144.D
 Acq: 19 Oct 2018 11:51

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL 0.25 PPB

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.3	75.7	113.5
145	41.5	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

