

Data File : VR026150.D
Acq On : 19 Oct 2018 15:10
Operator : SY/MD
Sample : MDL
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
MDL

Quant Time: Oct 20 01:59:39 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	533485	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	446830	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	145111	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	185175	3.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.40%
7) Chloroethane-d5	2.63	69	186922	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.20%
11) 1,1-Dichloroethene-d2	3.60	63	348471	3.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.80%
20) 2-Butanone-d5	6.59	46	221738	57.85	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.70%
24) Chloroform-d	7.20	84	338102	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
26) 1,2-Dichloroethane-d4	7.89	65	148903	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
32) Benzene-d6	7.85	84	638645	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
36) 1,2-Dichloropropane-d6	8.90	67	183249	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	9.97	98	561953	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.80%
43) trans-1,3-Dichloropropene-	10.24	79	37404	3.85	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.00%
46) 2-Hexanone-d5	10.59	63	171836	61.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	122.40%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	79339	5.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.00%
64) 1,2-Dichlorobenzene-d4	13.52	152	110232	4.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	8553	0.239 ug/L #	66
3) Chloromethane	2.01	50	19595	0.344 ug/L	89
5) Vinyl chloride	2.17	62	17619	0.311 ug/L	97
6) Bromomethane	2.53	94	13244	0.354 ug/L	88
8) Chloroethane	2.66	64	10989	0.313 ug/L	88
12) 1,1-Dichloroethene	3.63	96	17941	0.346 ug/L #	1
13) Acetone	3.70	43	13292	3.354 ug/L	82
14) Carbon disulfide	3.93	76	31013	0.229 ug/L #	92
15) Methyl Acetate	4.19	43	4438	0.429 ug/L #	66
16) Methylene chloride	4.40	84	16144	0.343 ug/L #	90
17) Methyl tert-butyl Ether	4.88	73	13657	0.290 ug/L #	80
18) trans-1,2-Dichloroethene	4.89	96	10420	0.266 ug/L #	91
19) 1,1-Dichloroethane	5.70	63	20060	0.272 ug/L	92
22) cis-1,2-Dichloroethene	6.67	96	11068	0.298 ug/L #	73
23) Bromochloromethane	7.05	128	3462	0.333 ug/L #	84
25) Chloroform	7.23	83	23322	0.324 ug/L	88
27) 1,2-Dichloroethane	8.00	62	10818	0.307 ug/L #	95

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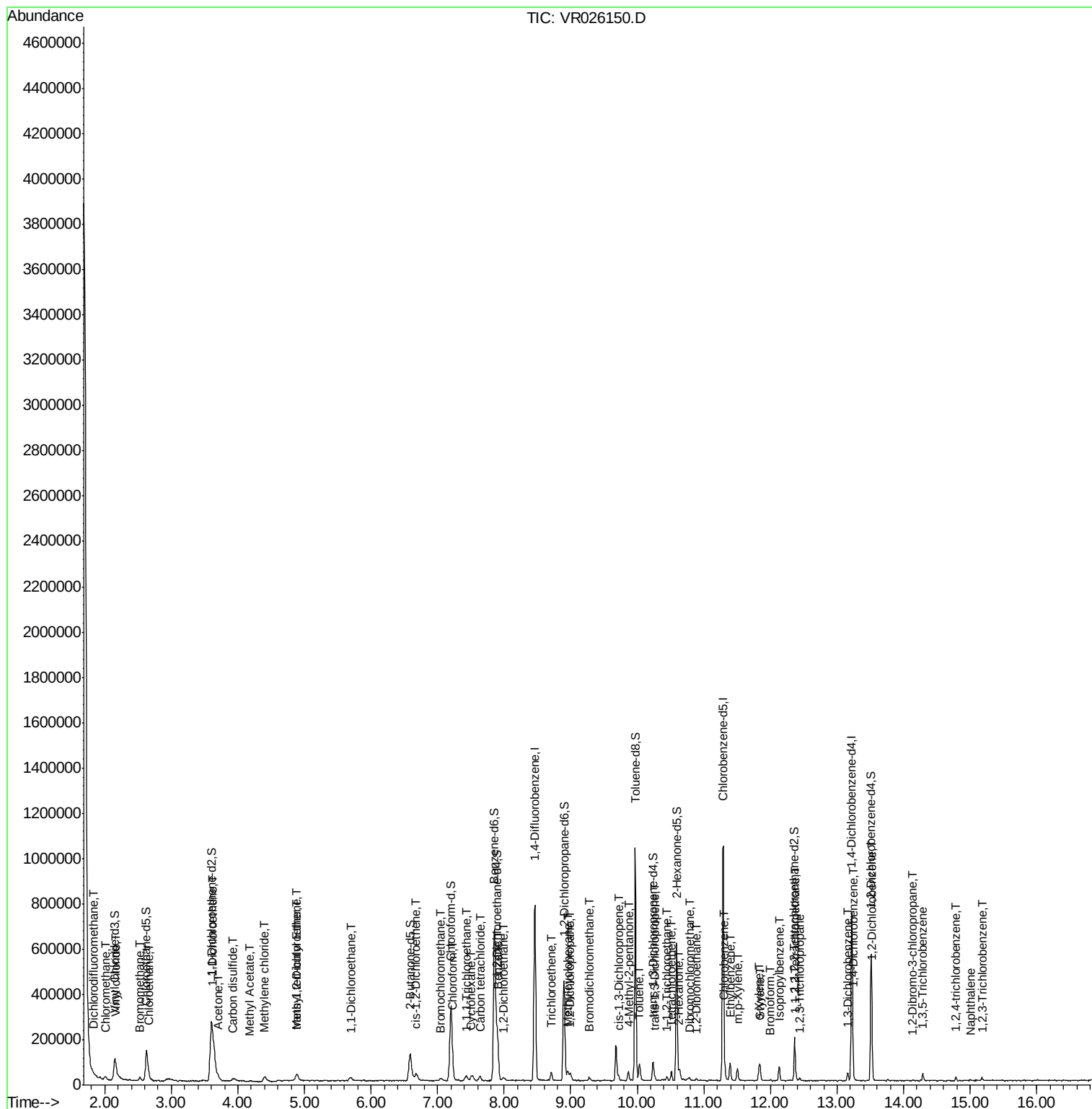
29) 1,1,1-Trichloroethane	7.43	97	16338	0.268	ug/L	94
30) Cyclohexane	7.51	56	11516	0.188	ug/L #	94
31) Carbon tetrachloride	7.64	117	12861	0.232	ug/L	92
33) Benzene	7.91	78	52328	0.312	ug/L	100
34) Trichloroethene	8.71	95	11560	0.269	ug/L	90
35) Methylcyclohexane	8.95	83	13464	0.211	ug/L	93
37) 1,2-Dichloropropane	8.99	63	10646	0.301	ug/L #	89
38) Bromodichloromethane	9.28	83	10569	0.278	ug/L #	97
39) cis-1,3-Dichloropropene	9.72	75	10252	0.253	ug/L	91
40) 4-Methyl-2-pentanone	9.87	43	26031	2.410	ug/L #	92
42) Toluene	10.03	91	46456	0.263	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	9674	0.342	ug/L	96
45) 1,1,2-Trichloroethane	10.45	97	4954	0.332	ug/L	94
47) Tetrachloroethene	10.51	164	7686	0.251	ug/L	91
48) 2-Hexanone	10.63	43	21446	3.040	ug/L #	96
49) Dibromochloromethane	10.78	129	4521	0.269	ug/L	97
50) 1,2-Dibromoethane	10.89	107	4184	0.325	ug/L #	76
51) Chlorobenzene	11.32	112	26308	0.269	ug/L	97
52) Ethylbenzene	11.39	91	43172	0.212	ug/L	91
53) m,p-Xylene	11.50	106	14141	0.191	ug/L	98
54) o-Xylene	11.83	106	12073	0.178	ug/L	75
55) Styrene	11.84	104	18753	0.179	ug/L	87
56) Isopropylbenzene	12.13	105	31096	0.165	ug/L	96
58) 1,1,2,2-Tetrachloroethane	12.38	83	4381	0.289	ug/L #	87
59) 1,2,3-Trichloropropane	12.43	75	3133	0.281	ug/L #	85
61) Bromoform	12.00	173	1570	0.311	ug/L #	74
62) 1,3-Dichlorobenzene	13.16	146	11222	0.233	ug/L	93
63) 1,4-Dichlorobenzene	13.24	146	14204	0.285	ug/L	90
65) 1,2-Dichlorobenzene	13.53	146	11381	0.294	ug/L	90
66) 1,2-Dibromo-3-chloropropan	14.13	75	788	0.500	ug/L #	58
67) 1,3,5-Trichlorobenzene	14.29	180	7534	0.256	ug/L #	91
68) 1,2,4-trichlorobenzene	14.78	180	4189	0.244	ug/L	94
69) Naphthalene	15.01	128	2987	0.179	ug/L #	71
70) 1,2,3-Trichlorobenzene	15.18	180	3320	0.279	ug/L #	90

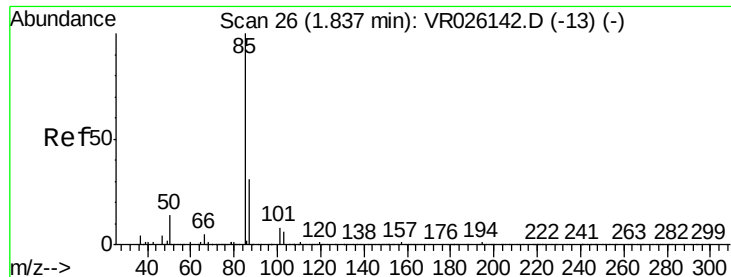
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.239 ug/L

RT: 1.84 min Scan# 27

Delta R.T. 0.01 min

Lab File: VR026150.D

Acq: 19 Oct 2018 15:10

Instrument :

MSVOA_R

ClientSampleId :

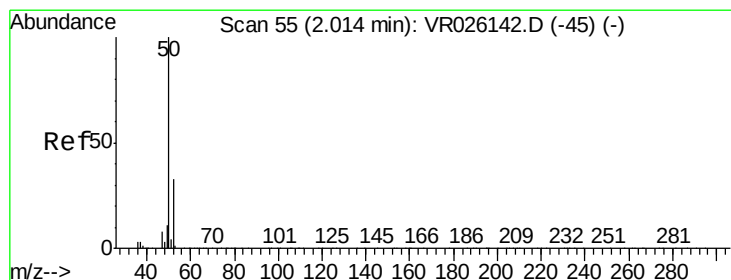
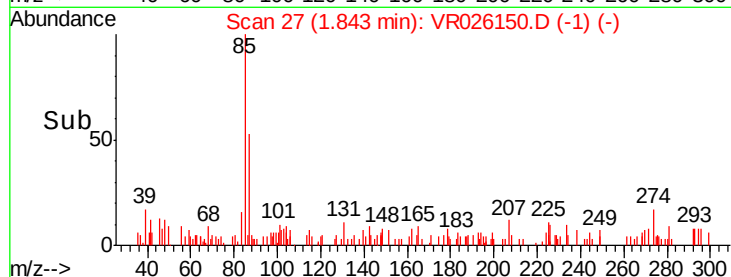
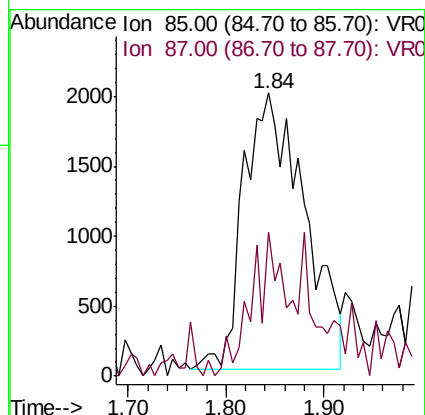
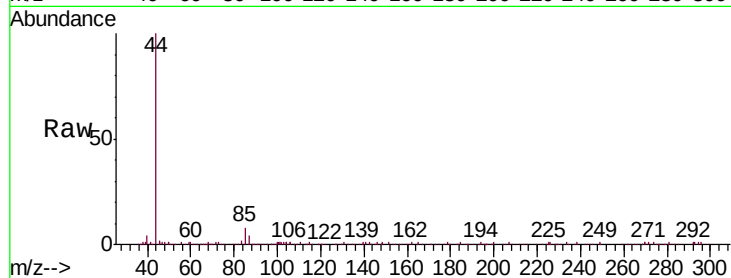
MDL

Tgt Ion: 85 Resp: 8553

Ion Ratio Lower Upper

85 100

87 11.1 23.4 35.2#



#3

Chloromethane

Concen: 0.344 ug/L

RT: 2.01 min Scan# 55

Delta R.T. -0.00 min

Lab File: VR026150.D

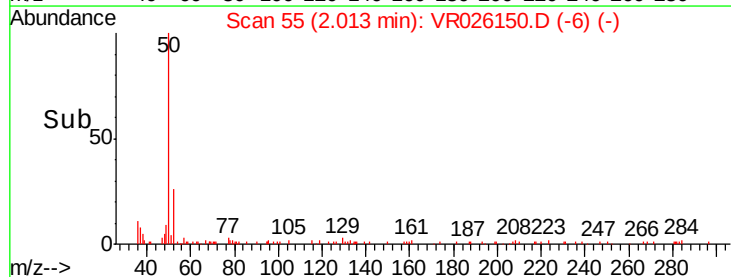
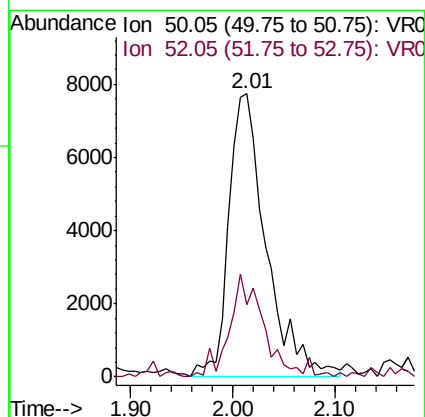
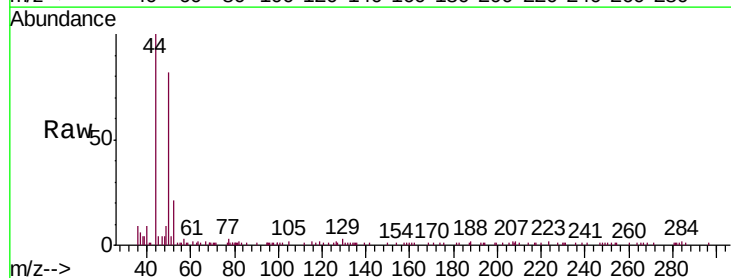
Acq: 19 Oct 2018 15:10

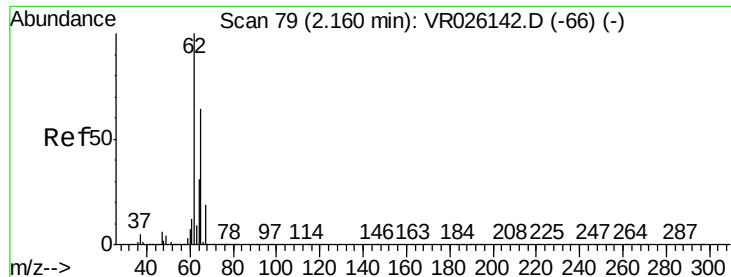
Tgt Ion: 50 Resp: 19595

Ion Ratio Lower Upper

50 100

52 25.6 22.0 40.8





#5

Vinyl chloride

Concen: 0.311 ug/L

RT: 2.17 min Scan# 80

Delta R.T. 0.01 min

Lab File: VR026150.D

Acq: 19 Oct 2018 15:10

Instrument :

MSVOA_R

ClientSampleId :

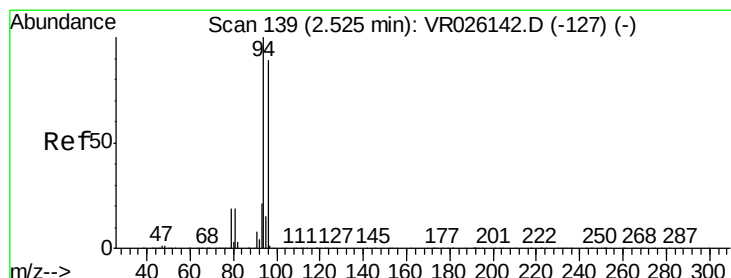
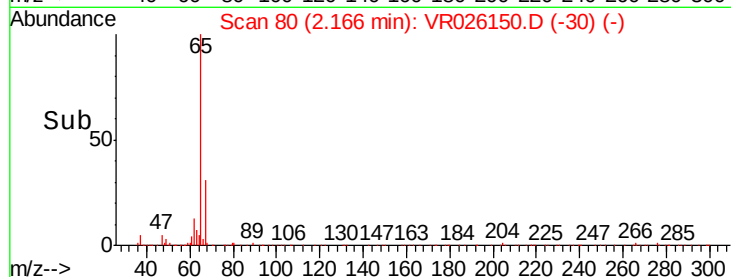
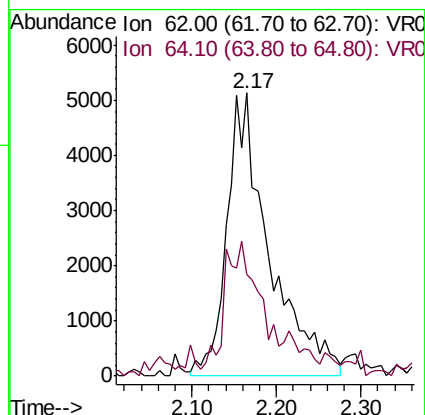
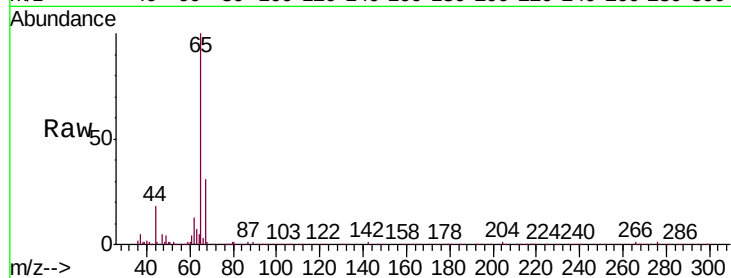
MDL

Tgt Ion: 62 Resp: 17619

Ion Ratio Lower Upper

62 100

64 35.8 23.9 44.3



#6

Bromomethane

Concen: 0.354 ug/L

RT: 2.53 min Scan# 140

Delta R.T. 0.01 min

Lab File: VR026150.D

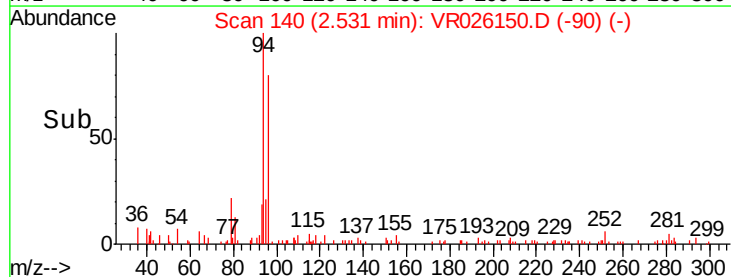
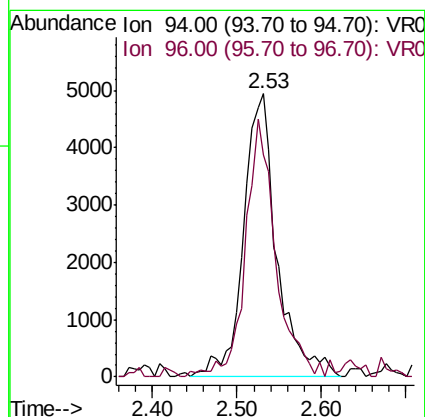
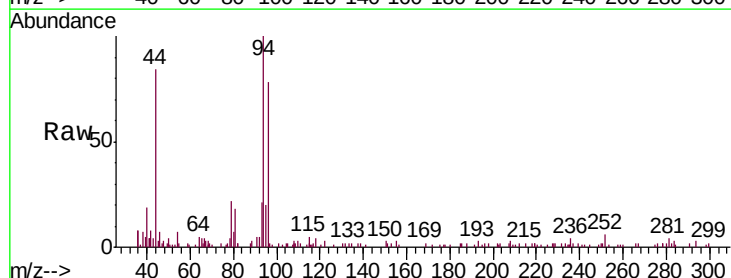
Acq: 19 Oct 2018 15:10

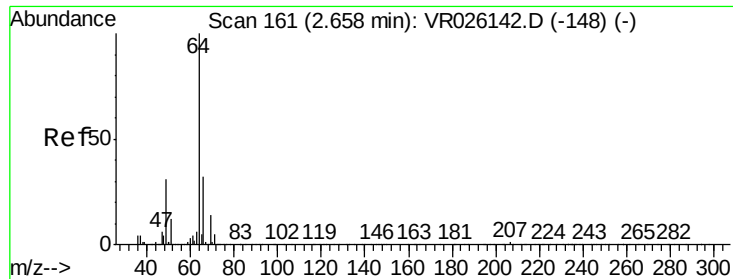
Tgt Ion: 94 Resp: 13244

Ion Ratio Lower Upper

94 100

96 78.3 62.5 116.1





#8

Chloroethane

Concen: 0.313 ug/L

RT: 2.66 min Scan# 162

Delta R.T. 0.01 min

Lab File: VR026150.D

Acq: 19 Oct 2018 15:10

Instrument :

MSVOA_R

ClientSampled :

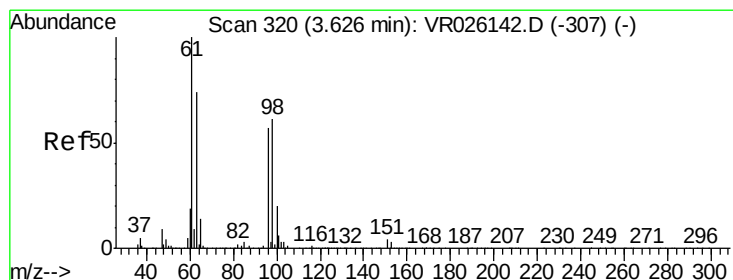
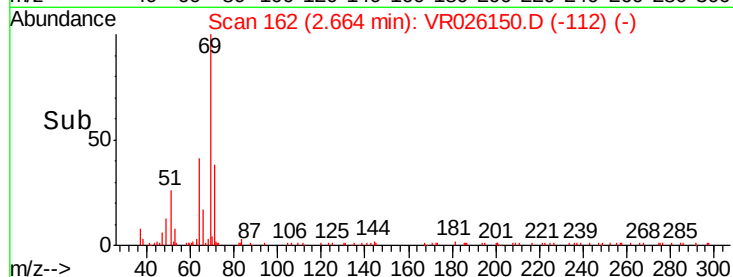
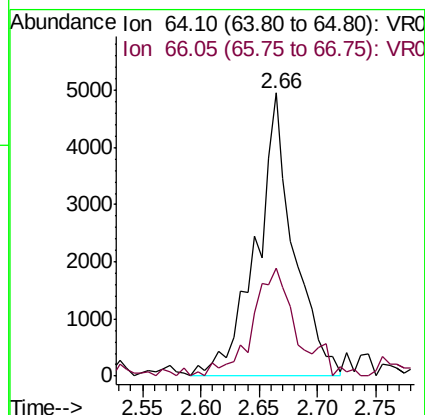
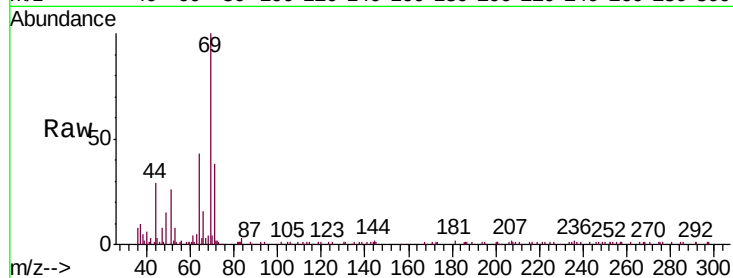
MDL

Tgt Ion: 64 Resp: 10989

Ion Ratio Lower Upper

64 100

66 38.1 22.0 40.8



#12

1,1-Dichloroethene

Concen: 0.346 ug/L

RT: 3.63 min Scan# 320

Delta R.T. -0.00 min

Lab File: VR026150.D

Acq: 19 Oct 2018 15:10

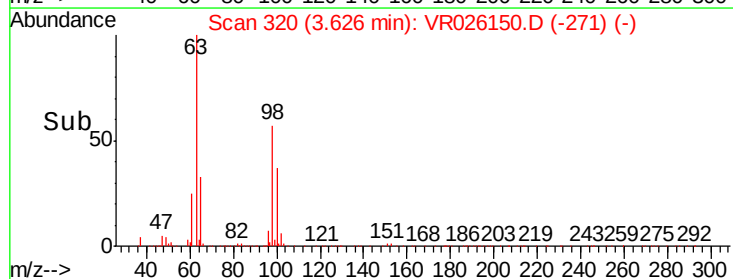
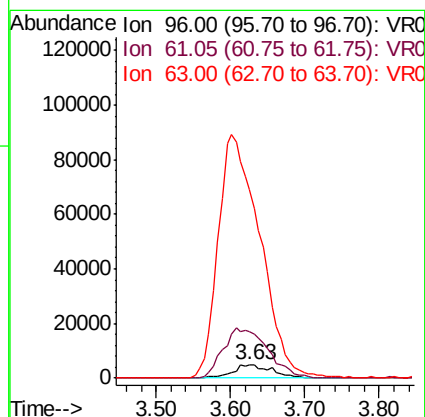
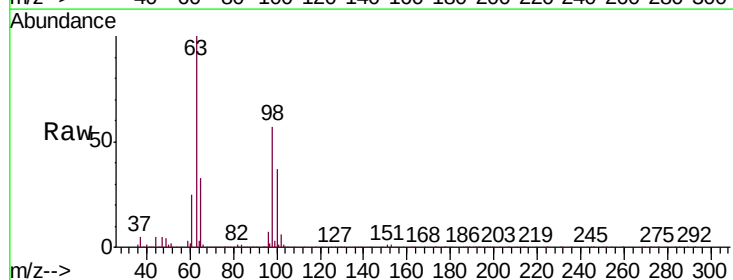
Tgt Ion: 96 Resp: 17941

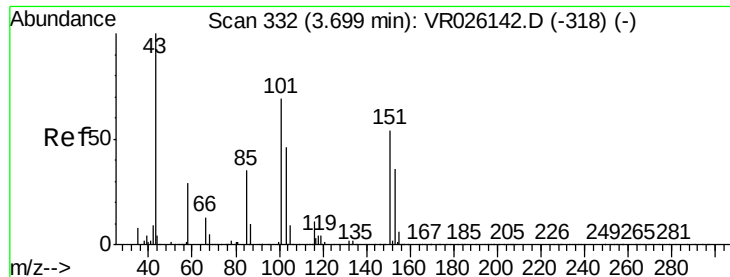
Ion Ratio Lower Upper

96 100

61 351.5 126.7 235.3#

63 1425.6 125.0 232.2#





#13

Acetone

Concen: 3.354 ug/L

RT: 3.70 min Scan# 333

Delta R.T. 0.01 min

Lab File: VR026150.D

Acq: 19 Oct 2018 15:10

Instrument :

MSVOA_R

ClientSampleId :

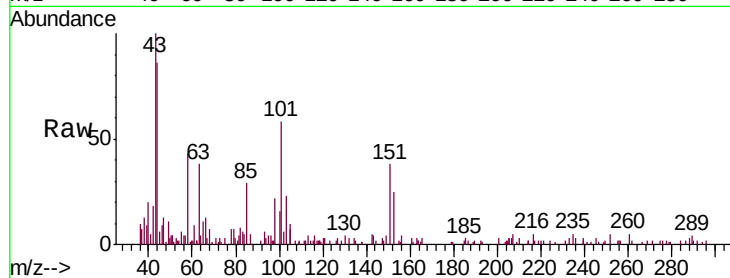
MDL

Tgt Ion: 43 Resp: 13292

Ion Ratio Lower Upper

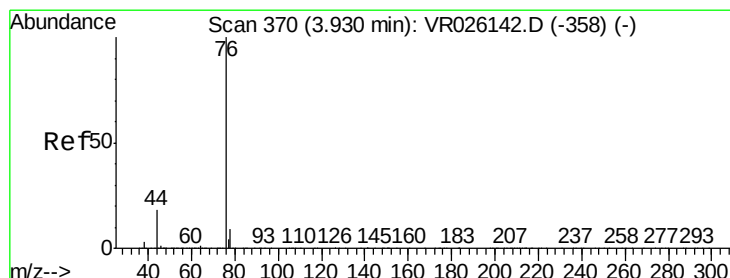
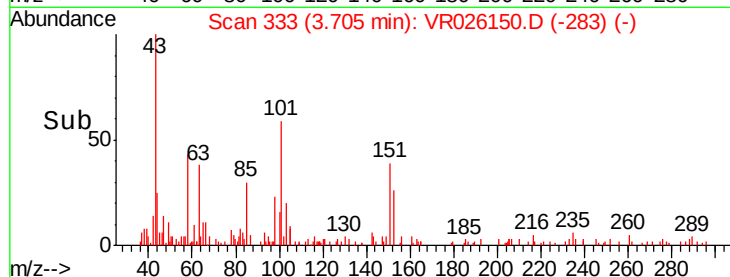
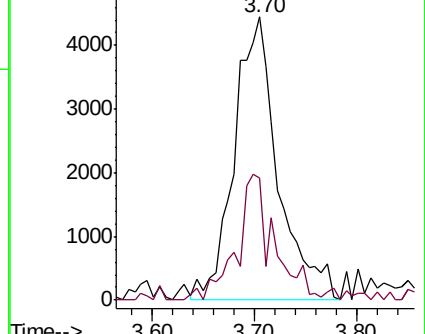
43 100

58 37.2 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#14

Carbon disulfide

Concen: 0.229 ug/L

RT: 3.93 min Scan# 370

Delta R.T. -0.00 min

Lab File: VR026150.D

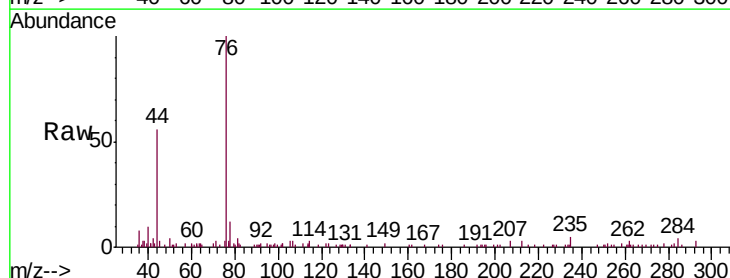
Acq: 19 Oct 2018 15:10

Tgt Ion: 76 Resp: 31013

Ion Ratio Lower Upper

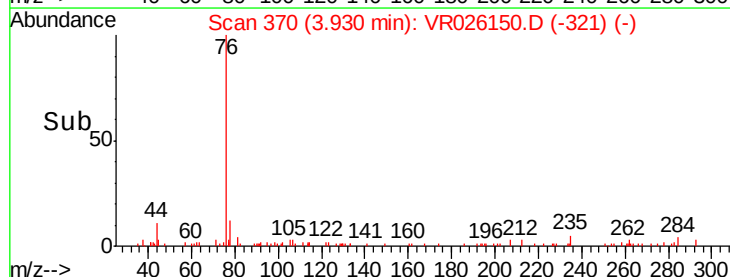
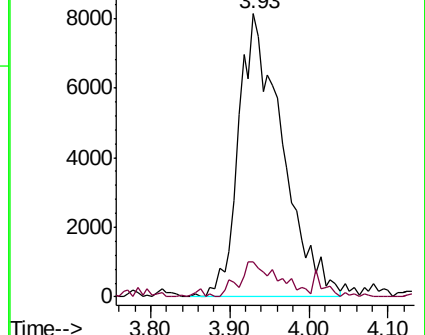
76 100

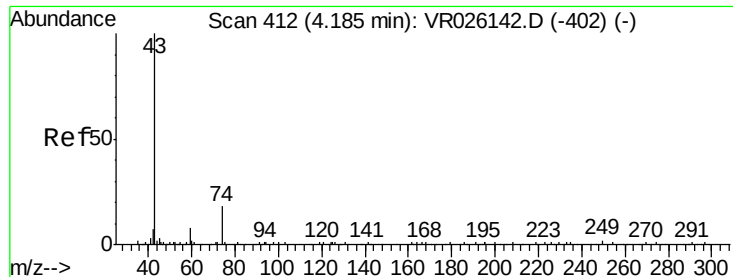
78 12.3 7.6 11.4#



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

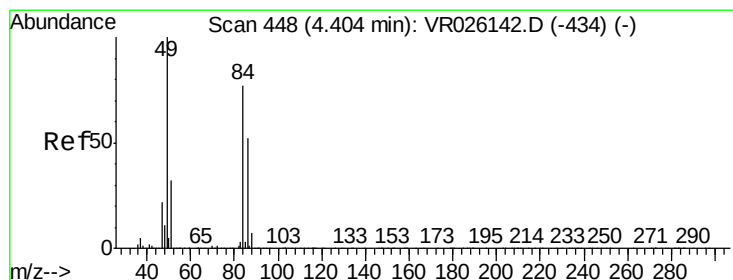
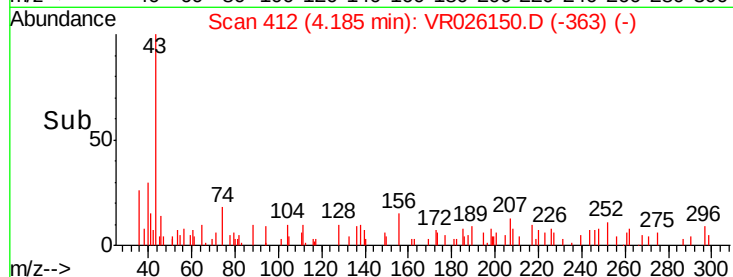
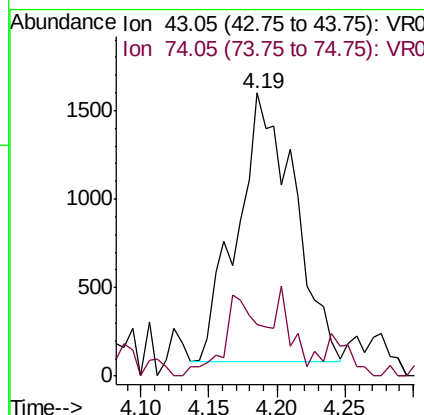
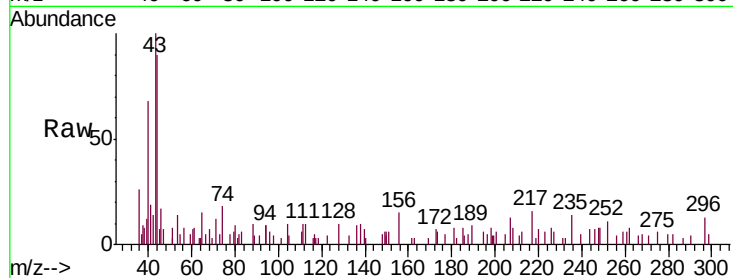




#15
Methyl Acetate
Concen: 0.429 ug/L
RT: 4.19 min Scan# 412
Delta R.T. -0.00 min
Lab File: VR026150.D
Acq: 19 Oct 2018 15:10

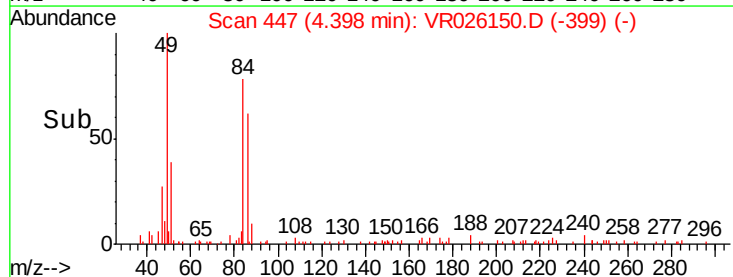
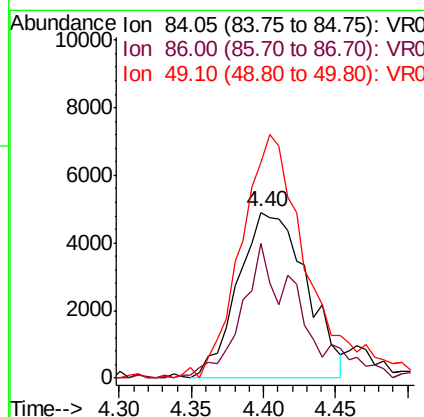
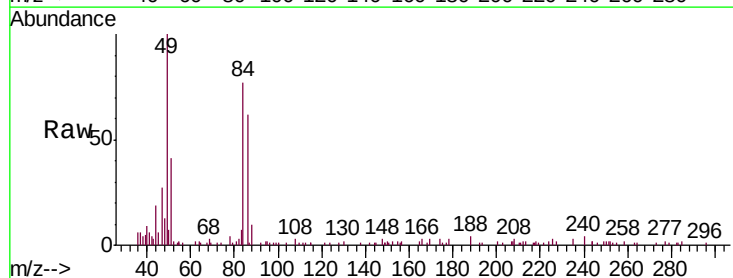
Instrument :
MSVOA_R
ClientSampled :
MDL

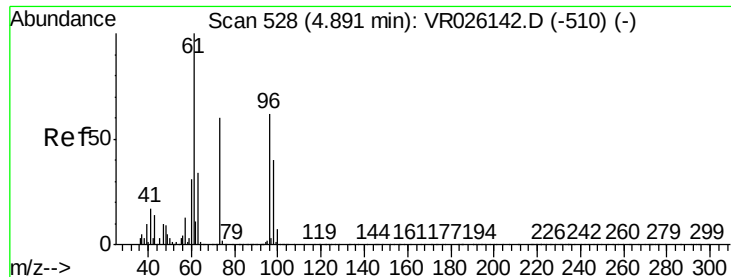
Tgt Ion: 43 Resp: 4438
Ion Ratio Lower Upper
43 100
74 8.0 19.8 29.8#



#16
Methylene chloride
Concen: 0.343 ug/L
RT: 4.40 min Scan# 447
Delta R.T. -0.01 min
Lab File: VR026150.D
Acq: 19 Oct 2018 15:10

Tgt Ion: 84 Resp: 16144
Ion Ratio Lower Upper
84 100
86 81.1 43.0 79.8#
49 130.4 89.1 165.5

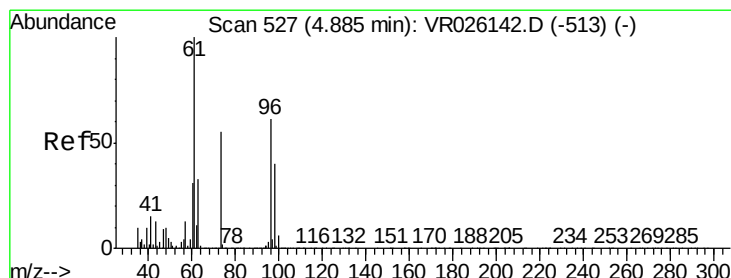
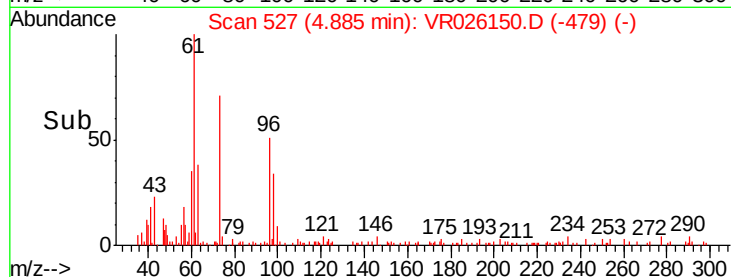
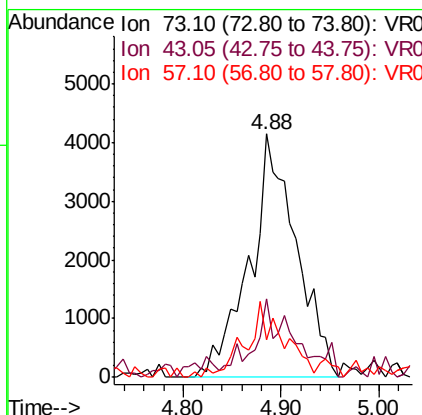
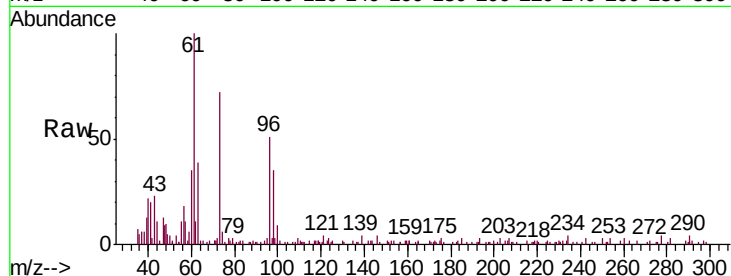




#17
Methyl tert-butyl Ether
Concen: 0.290 ug/L
RT: 4.88 min Scan# 527
Delta R.T. -0.01 min
Lab File: VR026150.D
Acq: 19 Oct 2018 15:10

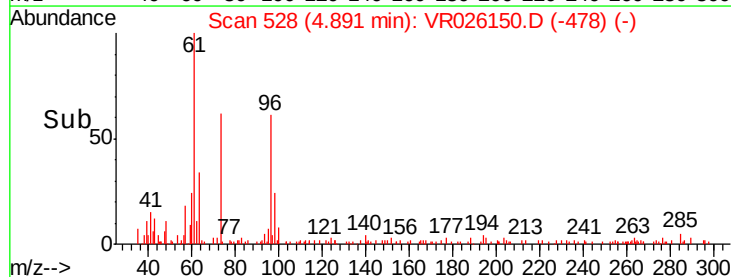
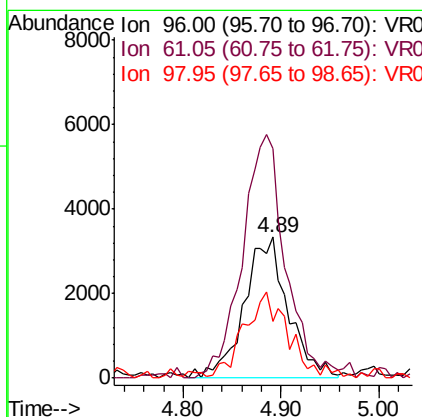
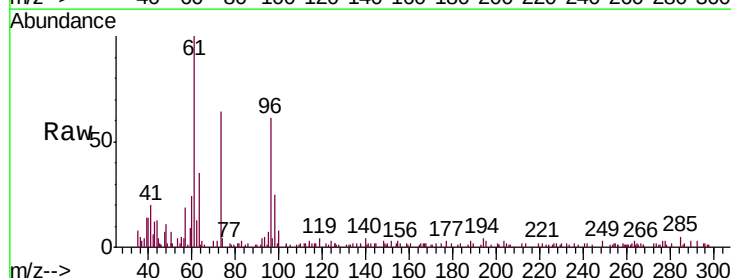
Instrument :
MSVOA_R
ClientSampled :
MDL

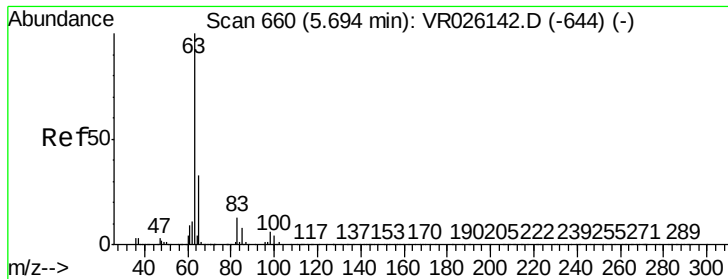
Tgt Ion: 73 Resp: 13657
Ion Ratio Lower Upper
73 100
43 7.0 20.1 30.1#
57 25.1 19.0 28.4



#18
trans-1,2-Dichloroethene
Concen: 0.266 ug/L
RT: 4.89 min Scan# 528
Delta R.T. 0.01 min
Lab File: VR026150.D
Acq: 19 Oct 2018 15:10

Tgt Ion: 96 Resp: 10420
Ion Ratio Lower Upper
96 100
61 162.6 111.4 206.8
98 40.3 41.4 77.0#

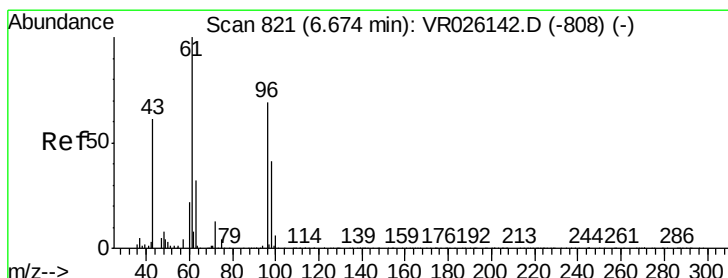
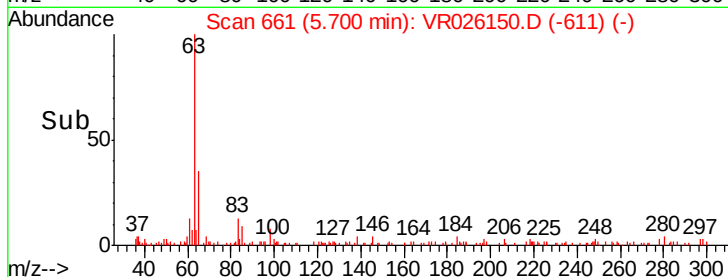
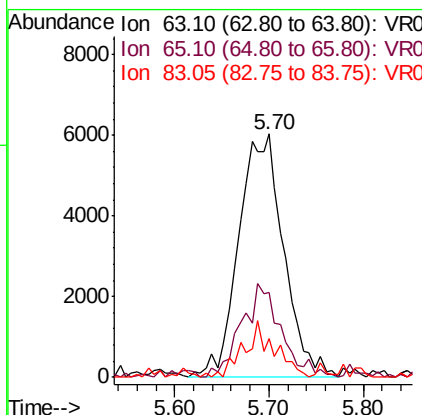
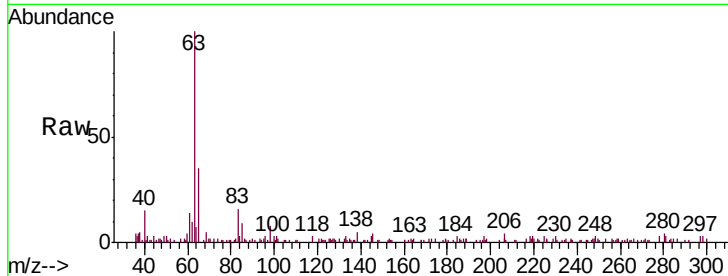




#19
 1,1-Dichloroethane
 Concen: 0.272 ug/L
 RT: 5.70 min Scan# 661
 Delta R.T. 0.01 min
 Lab File: VR026150.D
 Acq: 19 Oct 2018 15:10

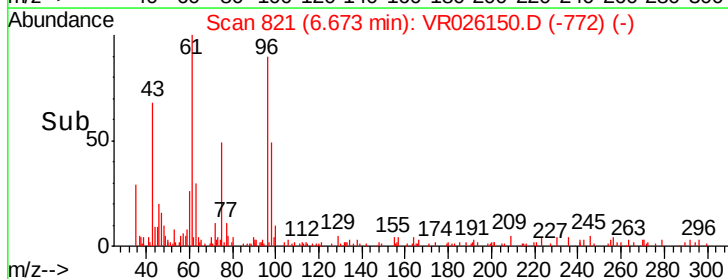
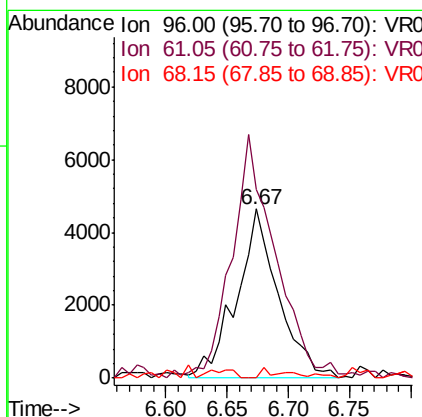
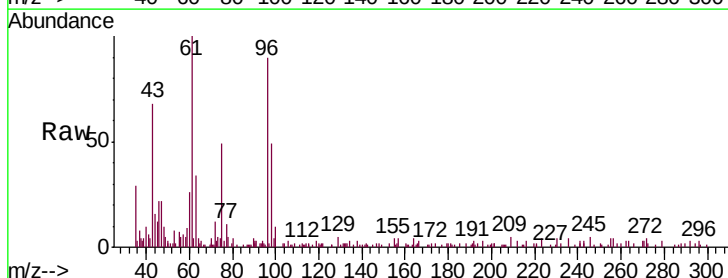
Instrument :
 MSVOA_R
 ClientSampleId :
 MDL

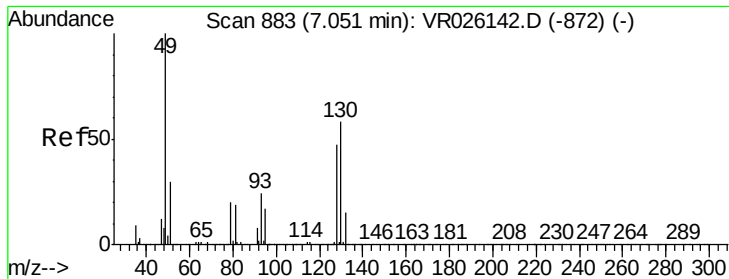
Tgt Ion:	63	Resp:	20060
Ion	Ratio	Lower	Upper
63	100		
65	34.8	21.2	39.4
83	15.9	9.2	17.2



#22
 cis-1,2-Dichloroethene
 Concen: 0.298 ug/L
 RT: 6.67 min Scan# 821
 Delta R.T. -0.00 min
 Lab File: VR026150.D
 Acq: 19 Oct 2018 15:10

Tgt Ion:	96	Resp:	11068
Ion	Ratio	Lower	Upper
96	100		
61	111.1	101.8	189.0
68	0.0	0.1	0.3#





#23

Bromochloromethane

Concen: 0.333 ug/L

RT: 7.05 min Scan# 883

Delta R.T. -0.00 min

Lab File: VR026150.D

Acq: 19 Oct 2018 15:10

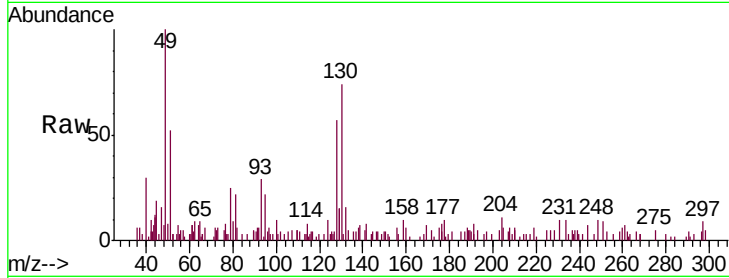
Instrument :

MSVOA_R

ClientSampleId :

MDL

Tgt Ion:	128	Resp:	3462
Ion	Ratio	Lower	Upper
128	100		
49	174.8	146.2	271.4
130	129.4	92.5	171.7
51	90.1	55.6	83.4#

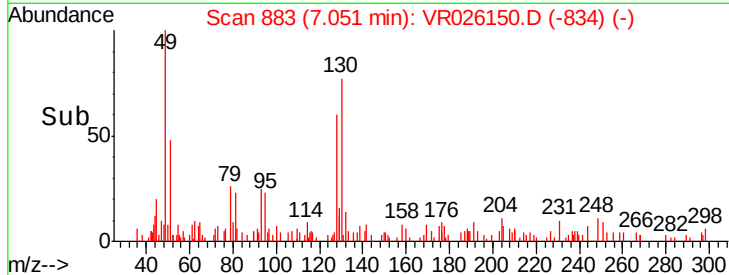
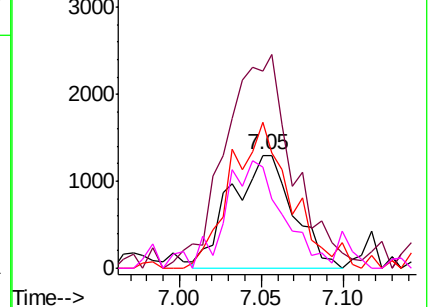


Abundance Ion 127.90 (127.60 to 128.60): V

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: 0.324 ug/L

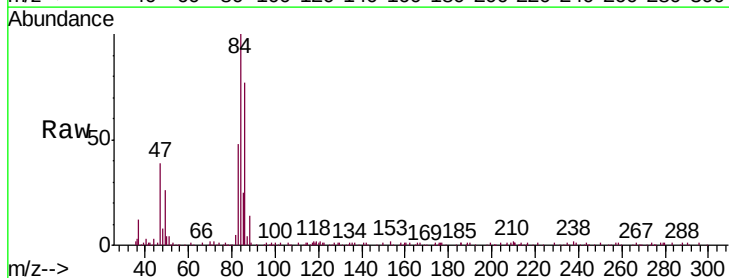
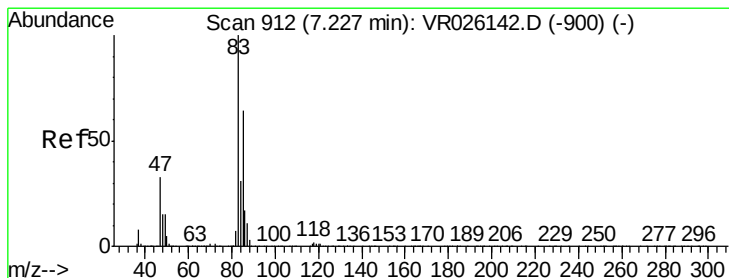
RT: 7.23 min Scan# 913

Delta R.T. 0.01 min

Lab File: VR026150.D

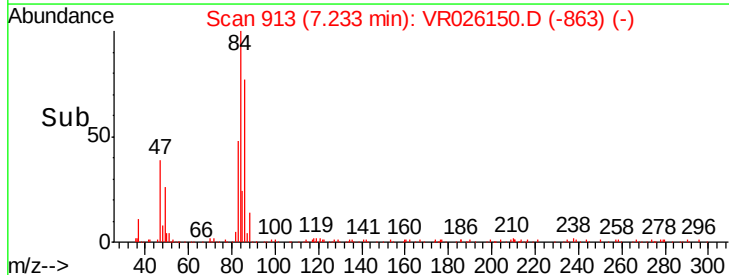
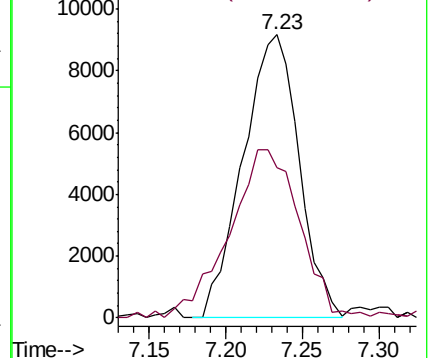
Acq: 19 Oct 2018 15:10

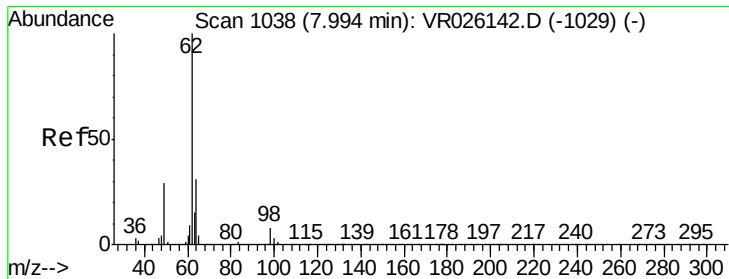
Tgt Ion:	83	Resp:	23322
Ion	Ratio	Lower	Upper
83	100		
85	52.9	43.5	80.7



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0

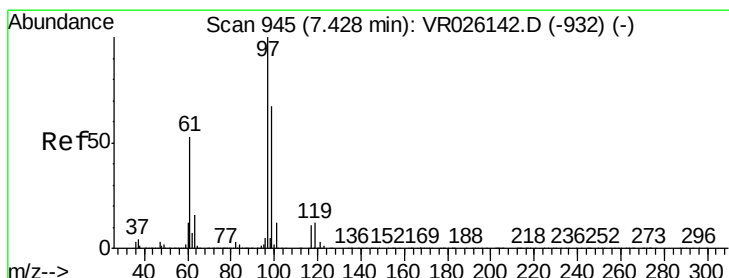
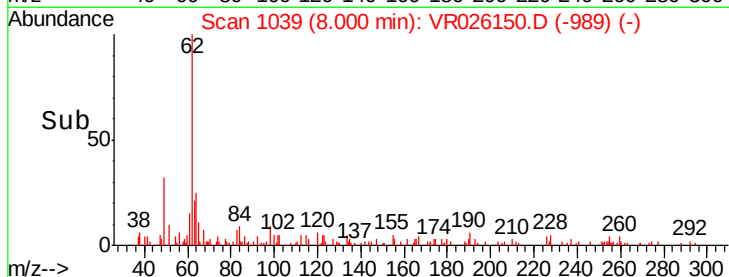
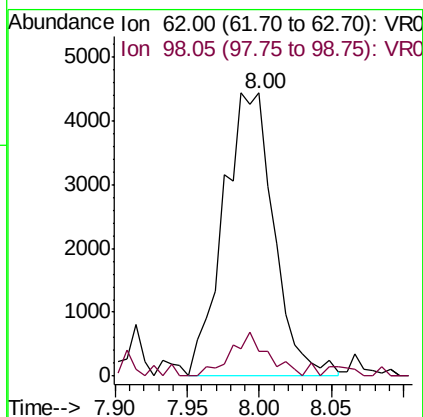
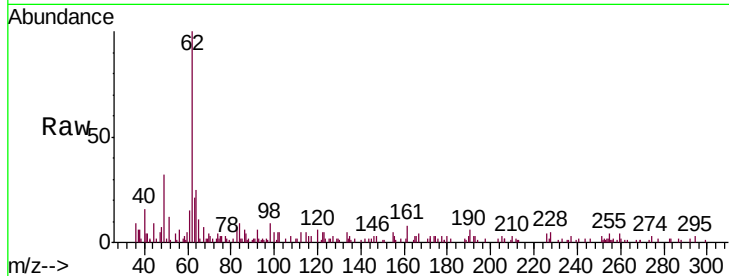




#27
 1,2-Dichloroethane
 Concen: 0.307 ug/L
 RT: 8.00 min Scan# 1039
 Delta R.T. 0.01 min
 Lab File: VR026150.D
 Acq: 19 Oct 2018 15:10

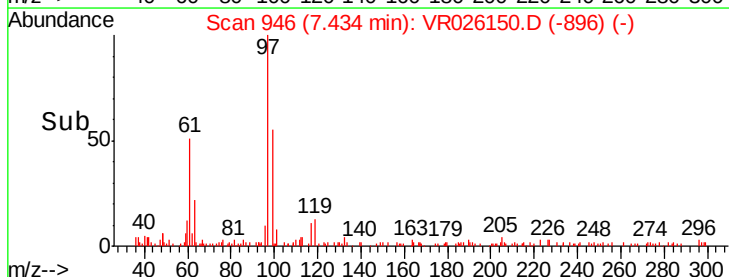
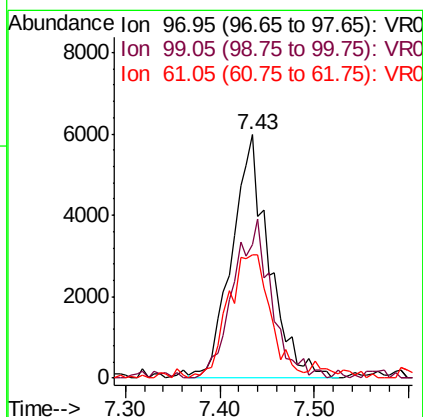
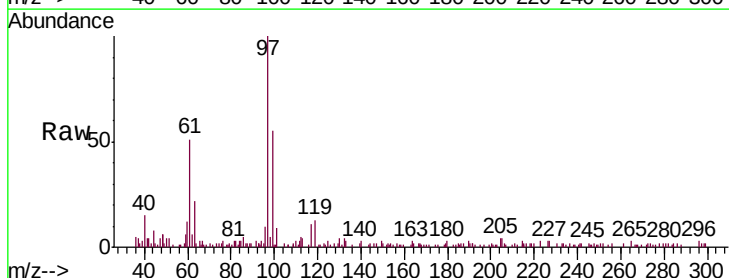
Instrument :
 MSVOA_R
 ClientSampleId :
 MDL

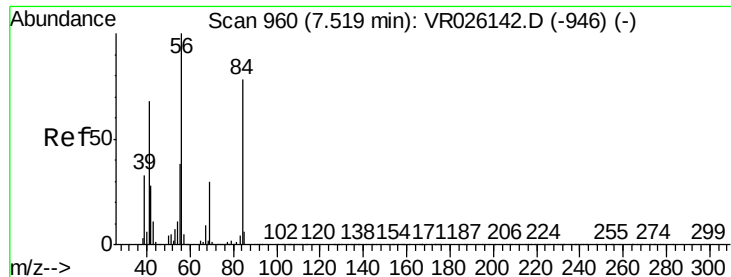
Tgt Ion: 62 Resp: 10818
 Ion Ratio Lower Upper
 62 100
 98 8.6 5.6 8.4#



#29
 1,1,1-Trichloroethane
 Concen: 0.268 ug/L
 RT: 7.43 min Scan# 946
 Delta R.T. 0.01 min
 Lab File: VR026150.D
 Acq: 19 Oct 2018 15:10

Tgt Ion: 97 Resp: 16338
 Ion Ratio Lower Upper
 97 100
 99 67.4 51.1 76.7
 61 58.1 42.1 63.1

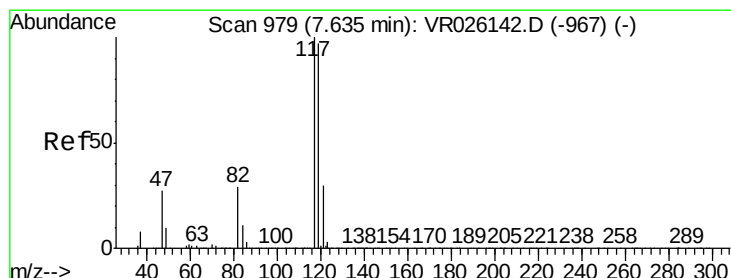
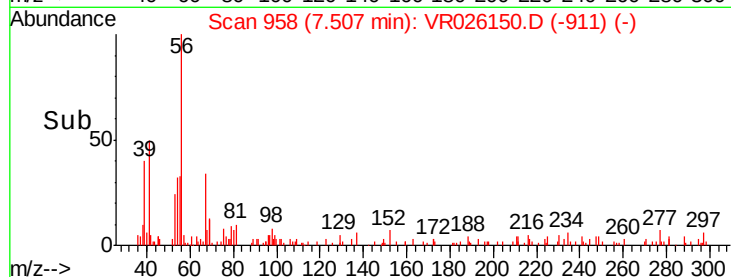
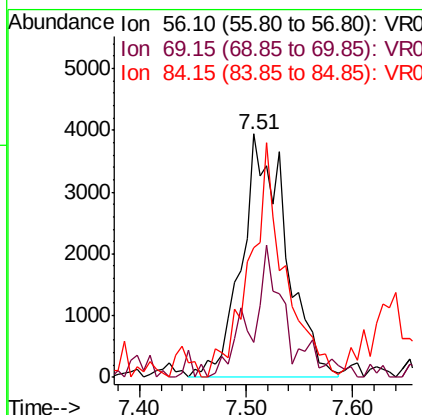
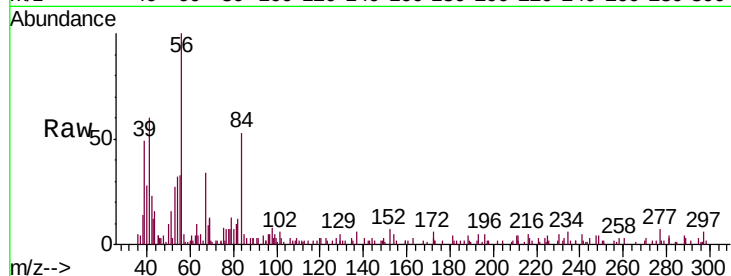




#30
Cyclohexane
Concen: 0.188 ug/L
RT: 7.51 min Scan# 958
Delta R.T. -0.01 min
Lab File: VR026150.D
Acq: 19 Oct 2018 15:10

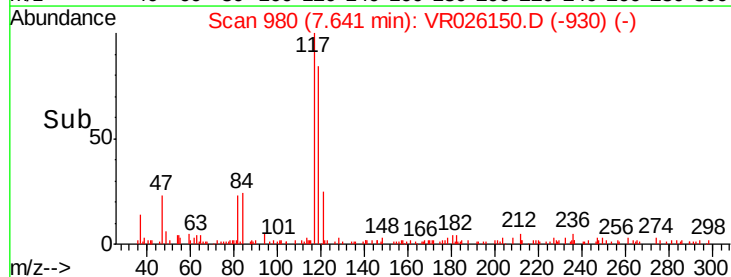
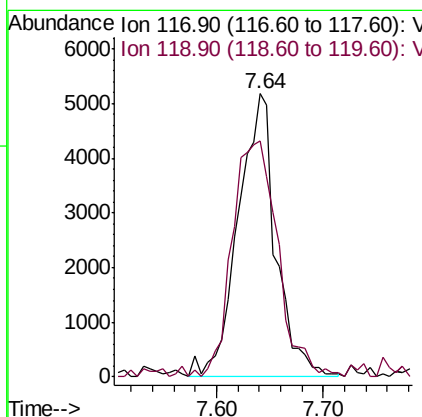
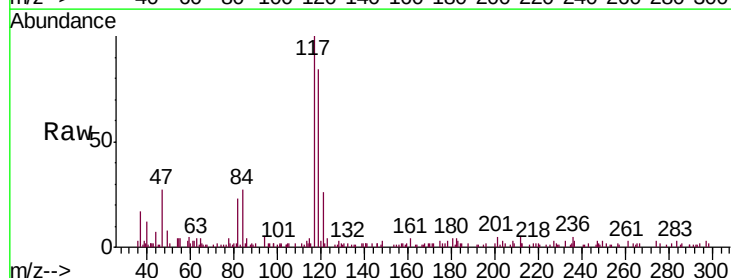
Instrument :
MSVOA_R
ClientSampleId :
MDL

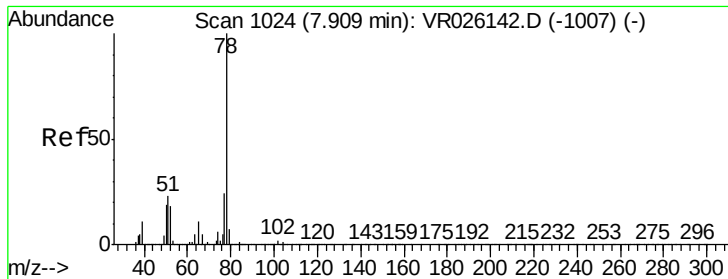
Tgt Ion	Ratio	Lower	Upper
56	100		
69	22.1	23.8	35.8#
84	75.2	62.2	93.4



#31
Carbon tetrachloride
Concen: 0.232 ug/L
RT: 7.64 min Scan# 980
Delta R.T. 0.01 min
Lab File: VR026150.D
Acq: 19 Oct 2018 15:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.9	74.2	111.2





#33

Benzene

Concen: 0.312 ug/L

RT: 7.91 min Scan# 1024

Delta R.T. -0.00 min

Lab File: VR026150.D

Acq: 19 Oct 2018 15:10

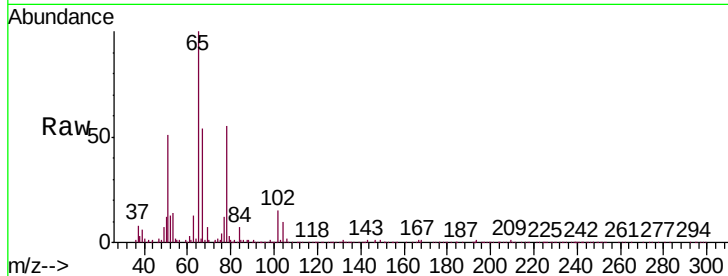
Instrument :

MSVOA_R

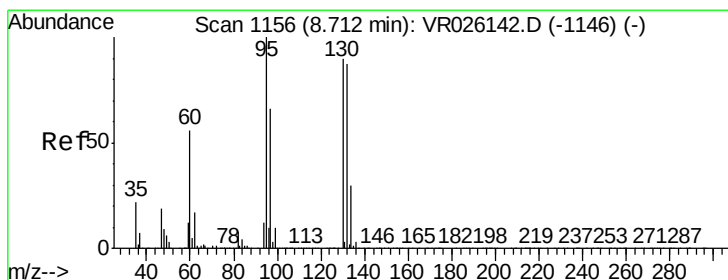
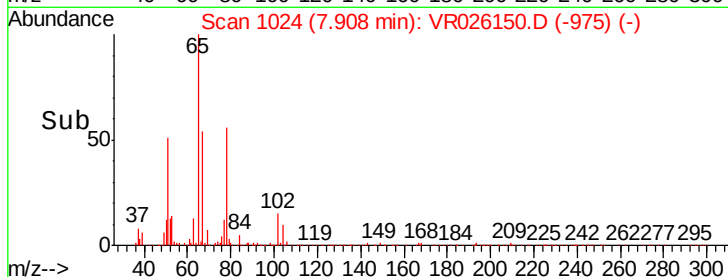
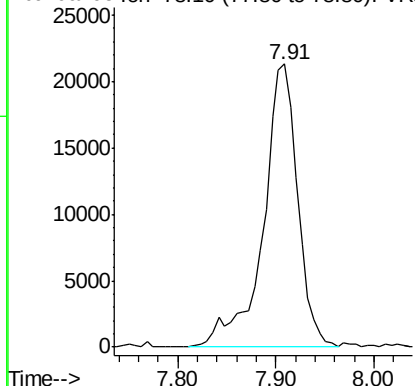
ClientSampled :

MDL

Tgt Ion: 78 Resp: 52328



Abundance Ion 78.10 (77.80 to 78.80): VR0



#34

Trichloroethene

Concen: 0.269 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VR026150.D

Acq: 19 Oct 2018 15:10

Tgt Ion: 95 Resp: 11560

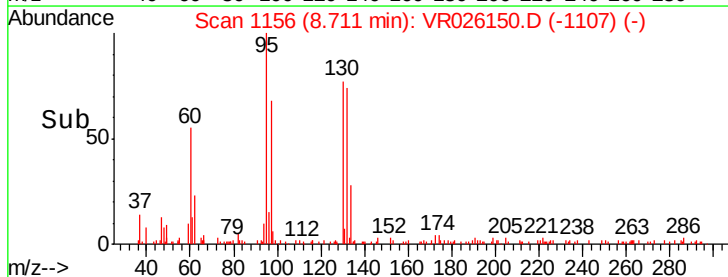
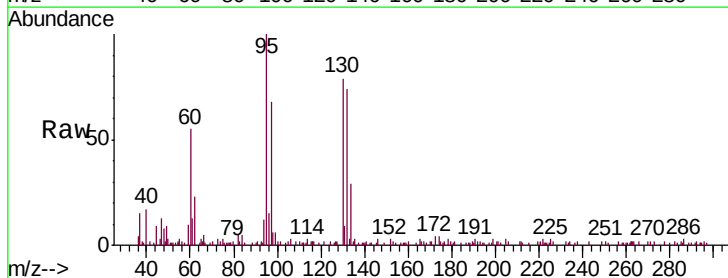
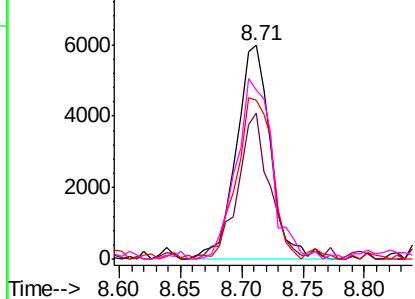
Ion	Ratio	Lower	Upper
95	100		
97	68.3	45.7	84.9
132	74.4	58.3	108.3
130	78.8	64.0	119.0

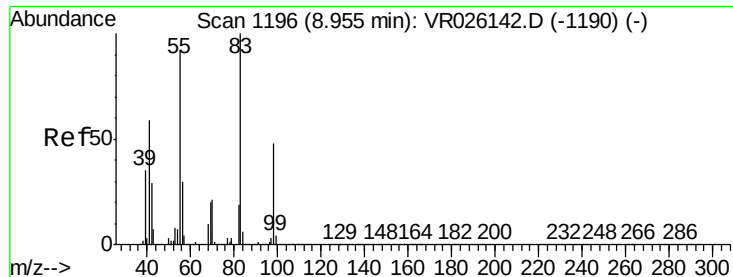
Abundance Ion 95.00 (94.70 to 95.70): VR0

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

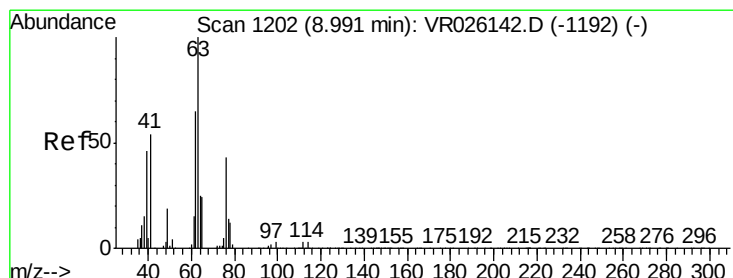
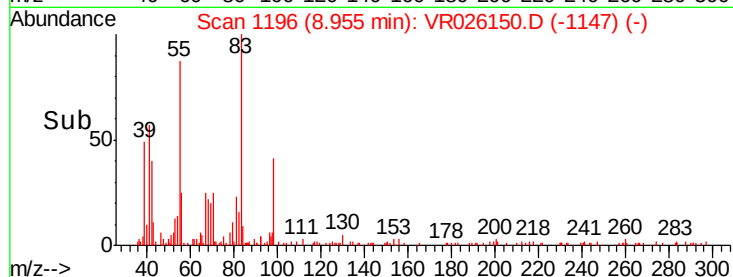
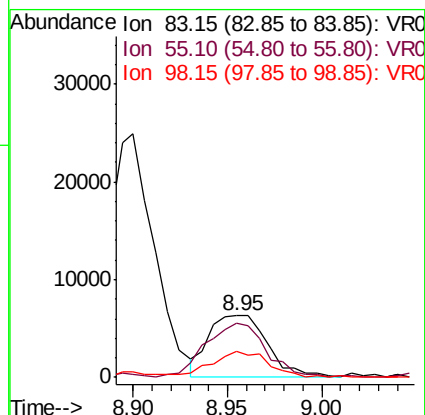
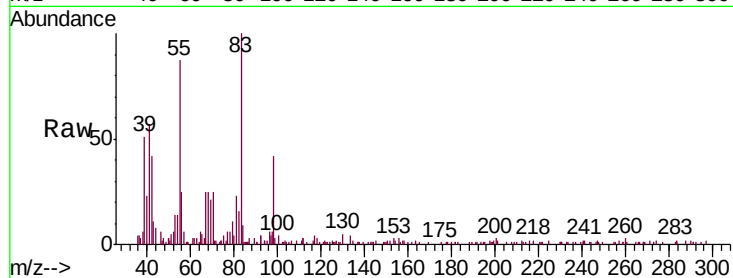




#35
Methylcyclohexane
Concen: 0.211 ug/L
RT: 8.95 min Scan# 1196
Delta R.T. -0.00 min
Lab File: VR026150.D
Acq: 19 Oct 2018 15:10

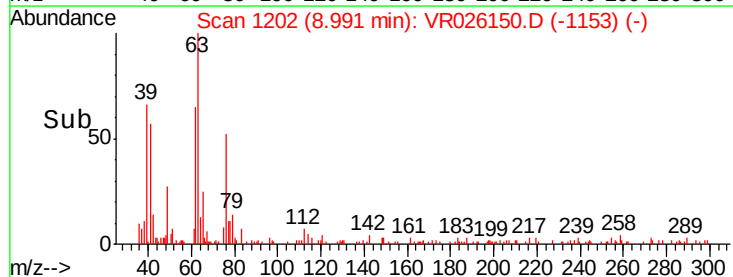
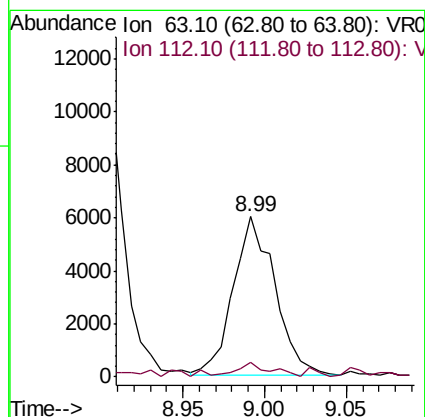
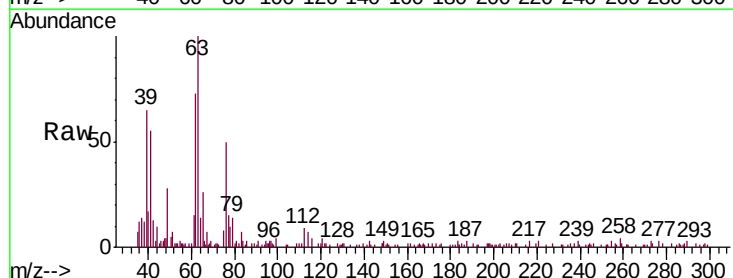
Instrument :
MSVOA_R
ClientSampleId :
MDL

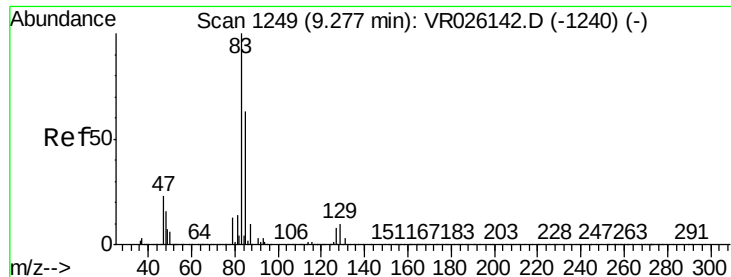
Tgt Ion: 83 Resp: 13464
Ion Ratio Lower Upper
83 100
55 91.7 66.8 100.2
98 42.0 35.2 52.8



#37
1,2-Dichloropropane
Concen: 0.301 ug/L
RT: 8.99 min Scan# 1202
Delta R.T. -0.00 min
Lab File: VR026150.D
Acq: 19 Oct 2018 15:10

Tgt Ion: 63 Resp: 10646
Ion Ratio Lower Upper
63 100
112 7.0 2.7 4.1#





#38

Bromodichloromethane

Concen: 0.278 ug/L

RT: 9.28 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VR026150.D

Acq: 19 Oct 2018 15:10

Instrument :

MSVOA_R

ClientSampleId :

MDL

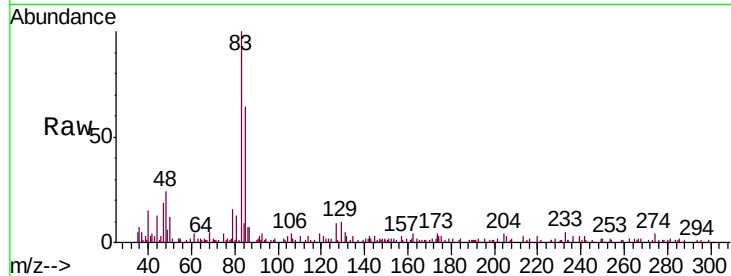
Tgt Ion: 83 Resp: 10569

Ion Ratio Lower Upper

83 100

85 63.7 43.5 80.7

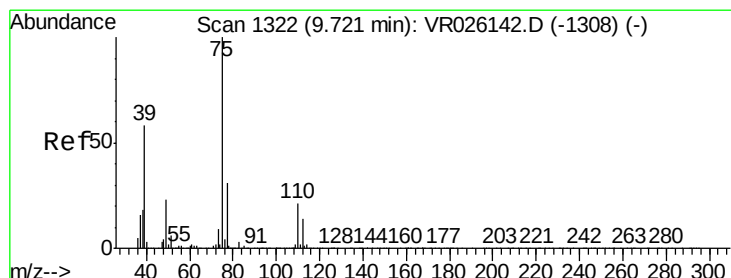
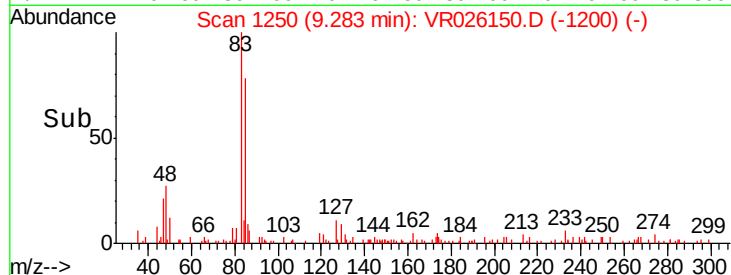
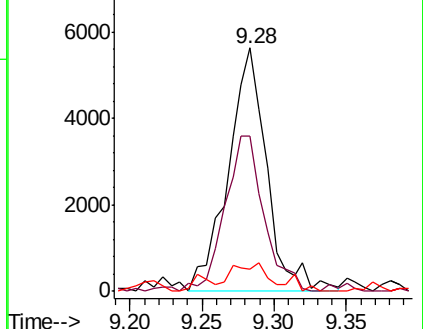
127 10.8 7.0 10.6#



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: 0.253 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VR026150.D

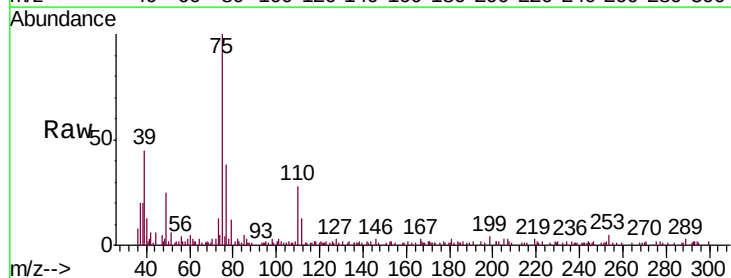
Acq: 19 Oct 2018 15:10

Tgt Ion: 75 Resp: 10252

Ion Ratio Lower Upper

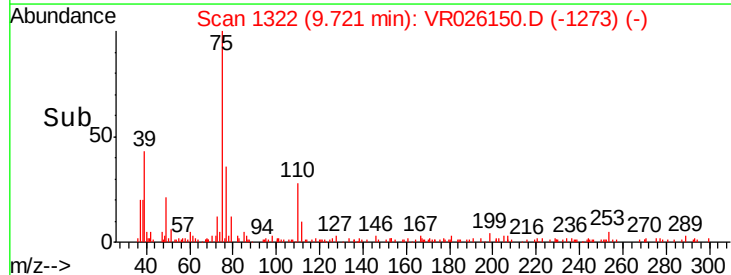
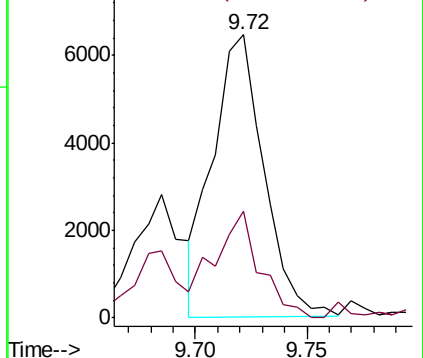
75 100

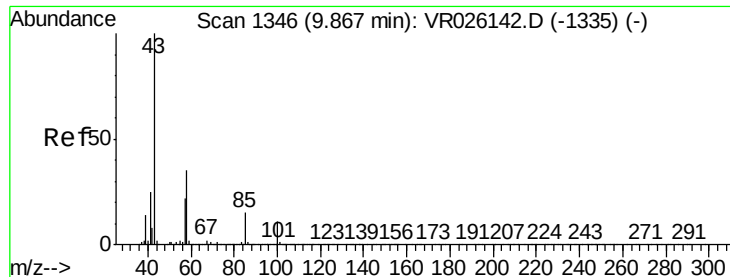
77 37.6 22.7 42.1



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

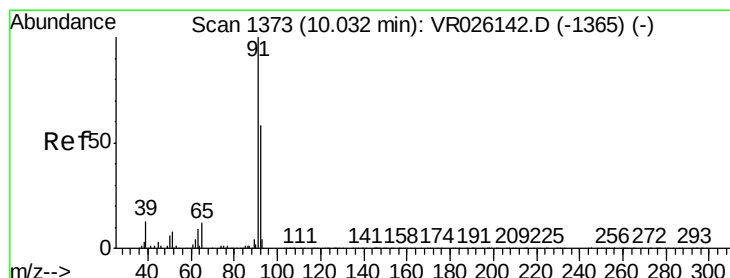
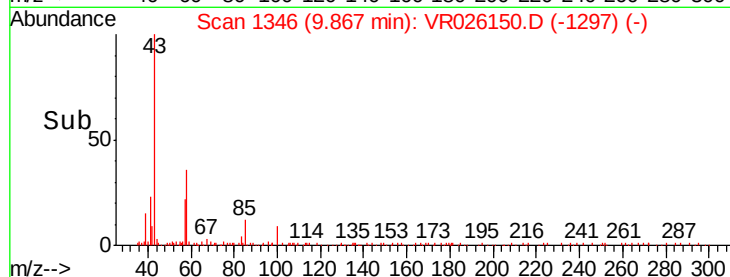
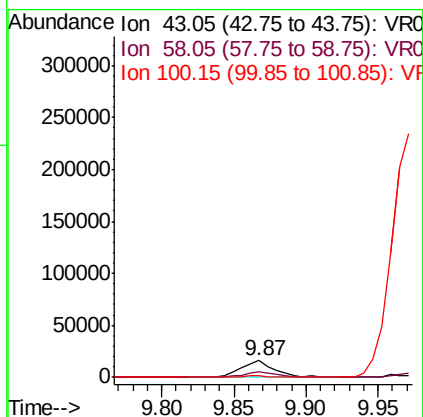
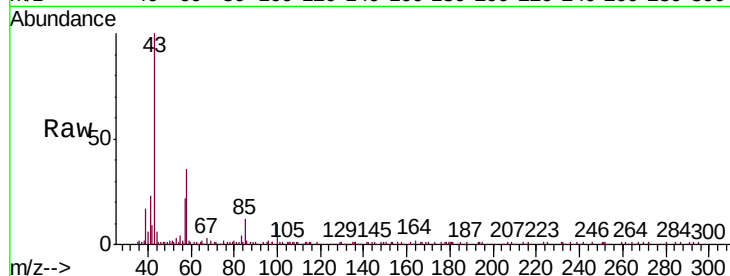




#40
4-Methyl-2-pentanone
Concen: 2.410 ug/L
RT: 9.87 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VR026150.D
Acq: 19 Oct 2018 15:10

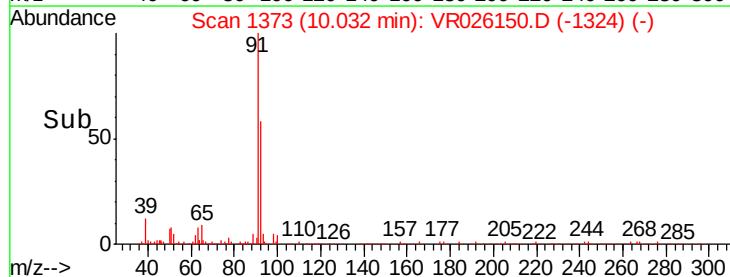
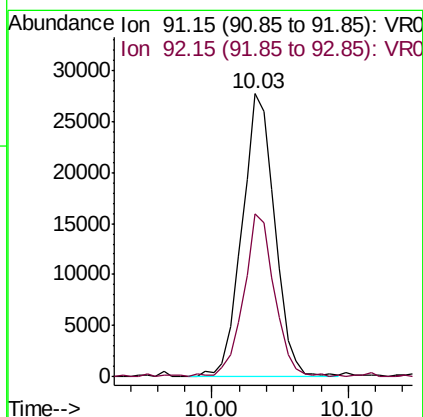
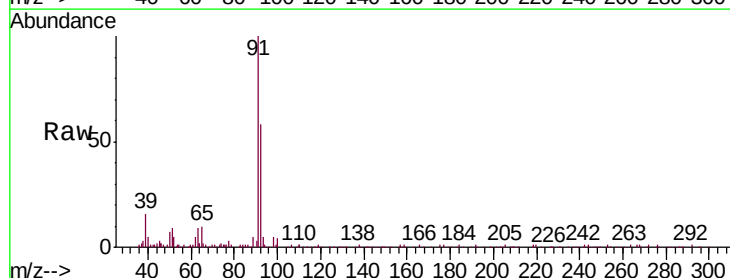
Instrument :
MSVOA_R
ClientSampleId :
MDL

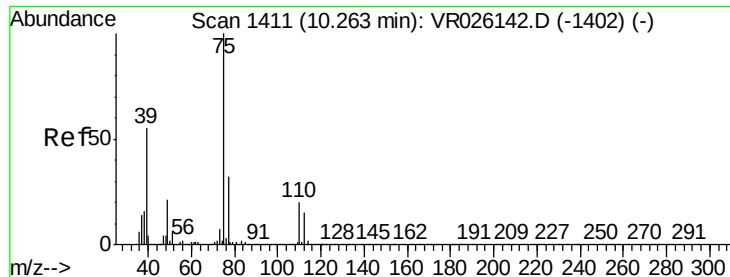
Tgt Ion: 43 Resp: 26031
Ion Ratio Lower Upper
43 100
58 35.1 28.1 42.1
100 0.0 9.3 13.9#



#42
Toluene
Concen: 0.263 ug/L
RT: 10.03 min Scan# 1373
Delta R.T. -0.00 min
Lab File: VR026150.D
Acq: 19 Oct 2018 15:10

Tgt Ion: 91 Resp: 46456
Ion Ratio Lower Upper
91 100
92 57.8 40.8 75.8





#44

trans-1,3-Dichloropropene

Concen: 0.342 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR026150.D

Acq: 19 Oct 2018 15:10

Instrument :

MSVOA_R

ClientSampled :

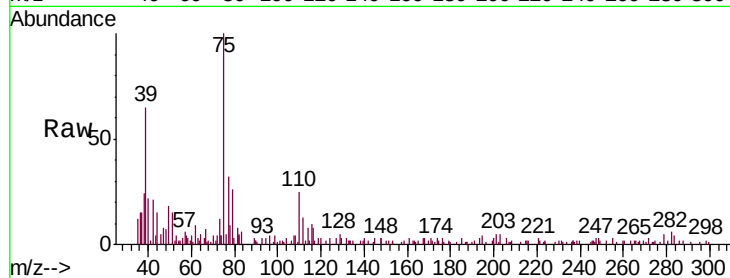
MDL

Tgt Ion: 75 Resp: 9674

Ion Ratio Lower Upper

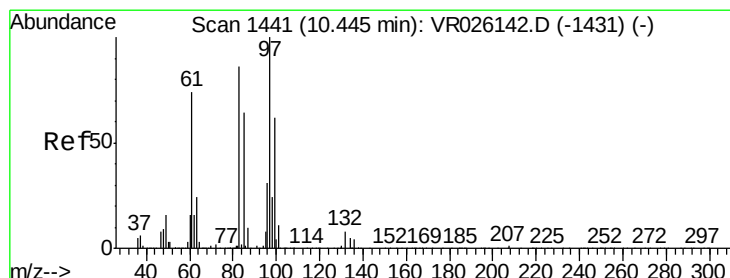
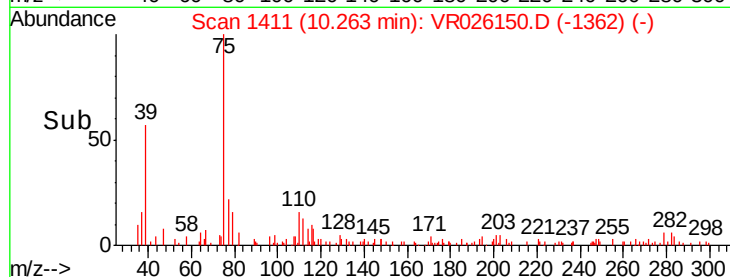
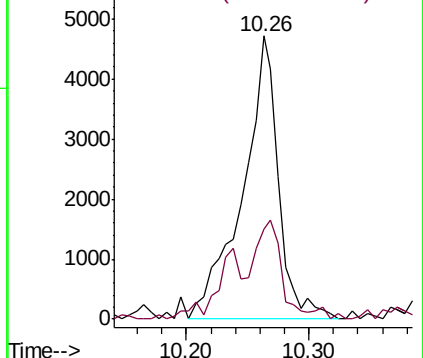
75 100

77 32.0 24.1 44.7



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0



#45

1,1,2-Trichloroethane

Concen: 0.332 ug/L

RT: 10.45 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VR026150.D

Acq: 19 Oct 2018 15:10

Tgt Ion: 97 Resp: 4954

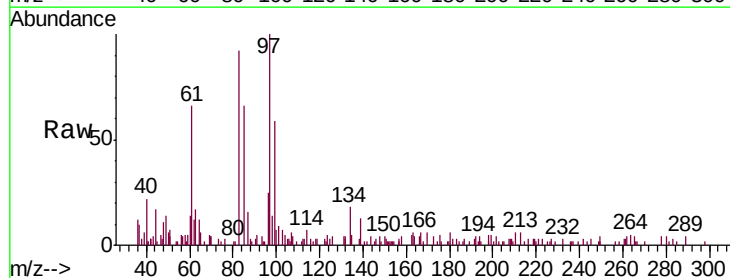
Ion Ratio Lower Upper

97 100

99 58.9 42.8 79.4

83 91.7 61.9 114.9

85 66.3 39.3 72.9

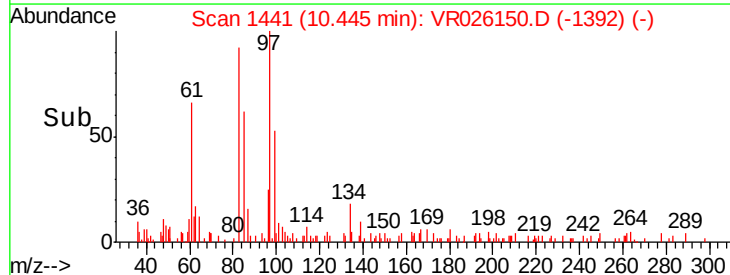
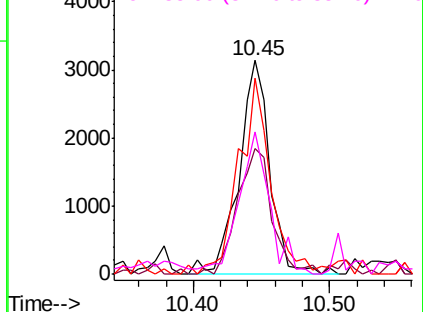


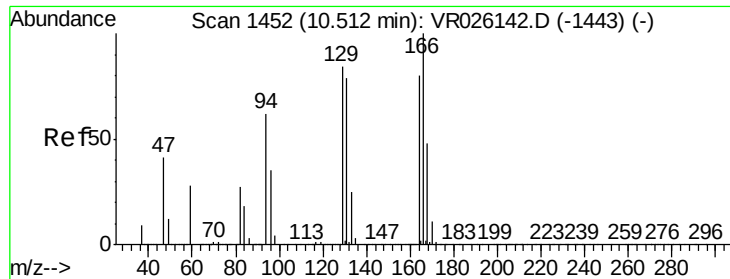
Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0





#47

Tetrachloroethene

Concen: 0.251 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VR026150.D

Acq: 19 Oct 2018 15:10

Instrument :

MSVOA_R

ClientSampleId :

MDL

Tgt Ion:164 Resp: 7686

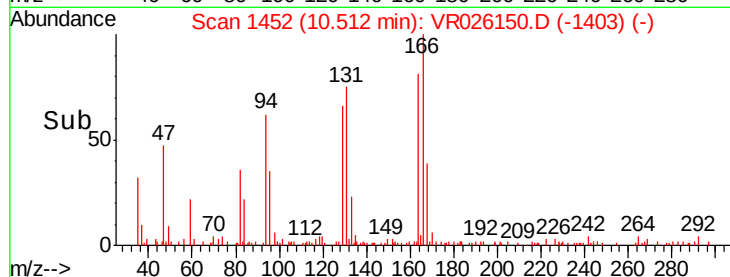
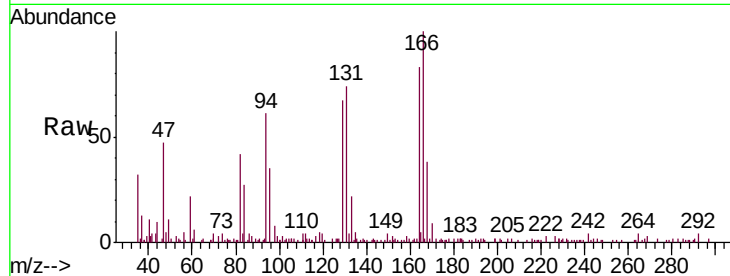
Ion Ratio Lower Upper

164 100

129 80.2 70.3 130.5

131 89.1 67.3 125.1

166 120.2 86.1 159.9

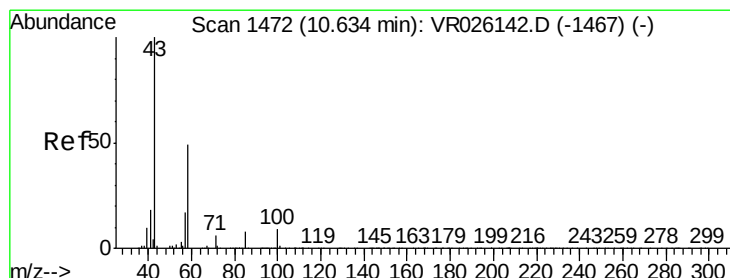
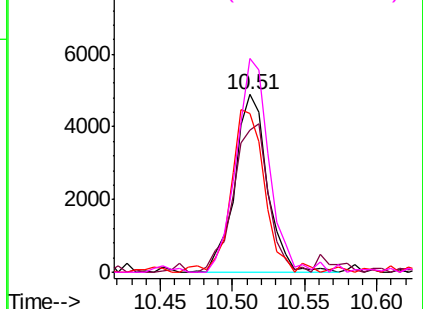


Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.040 ug/L

RT: 10.63 min Scan# 1472

Delta R.T. -0.00 min

Lab File: VR026150.D

Acq: 19 Oct 2018 15:10

Tgt Ion: 43 Resp: 21446

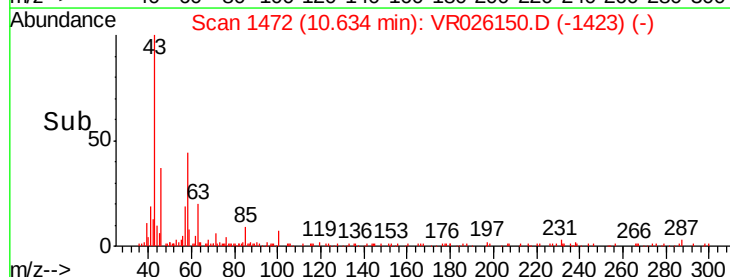
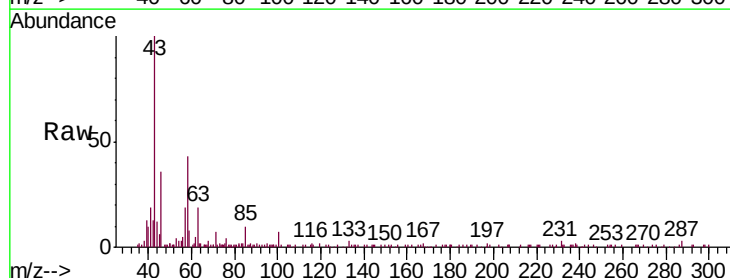
Ion Ratio Lower Upper

43 100

58 52.4 39.6 59.4

57 18.9 14.0 21.0

100 11.5 7.0 10.6#

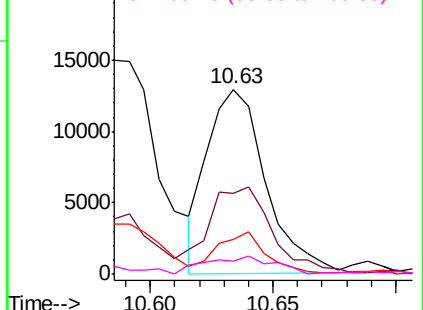


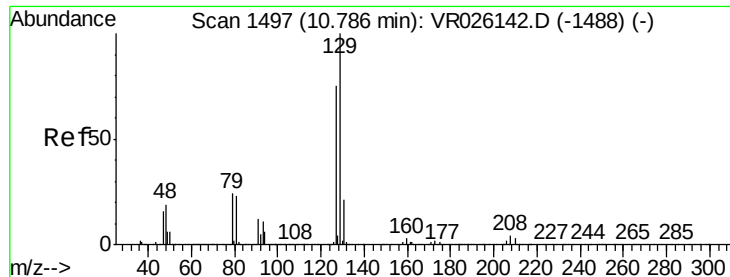
Abundance Ion 43.05 (42.75 to 43.75): VR0

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: 0.269 ug/L

RT: 10.78 min Scan# 1496

Delta R.T. -0.01 min

Lab File: VR026150.D

Acq: 19 Oct 2018 15:10

Instrument :

MSVOA_R

ClientSampleId :

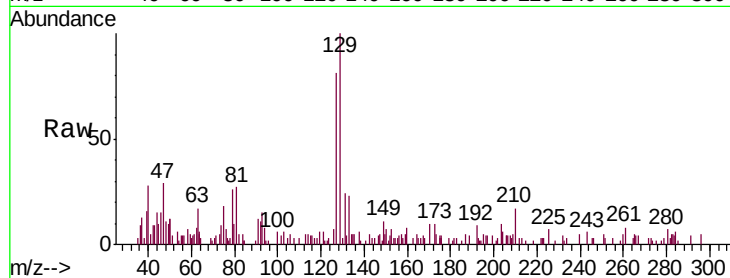
MDL

Tgt Ion:129 Resp: 4521

Ion Ratio Lower Upper

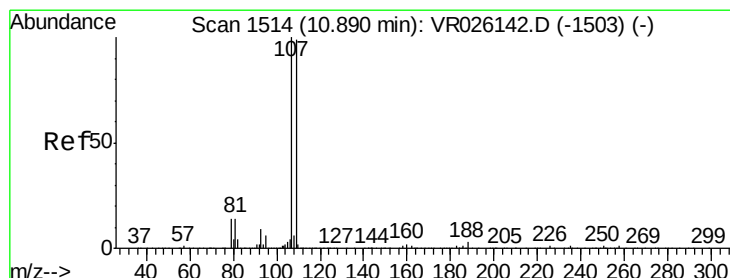
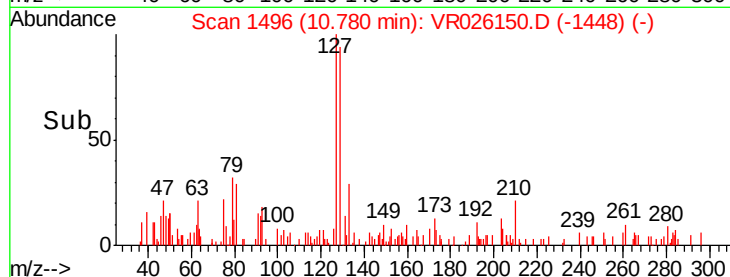
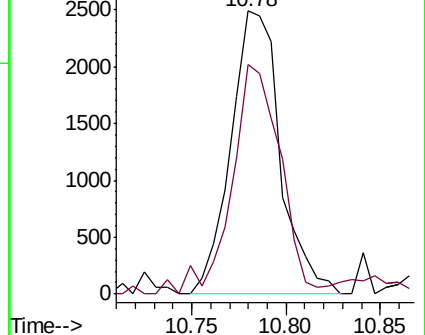
129 100

127 81.0 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: 0.325 ug/L

RT: 10.89 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VR026150.D

Acq: 19 Oct 2018 15:10

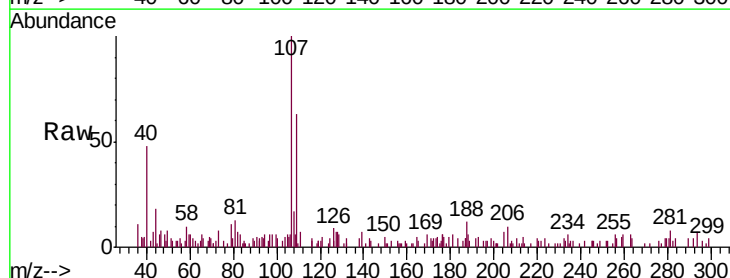
Tgt Ion:107 Resp: 4184

Ion Ratio Lower Upper

107 100

109 63.1 58.7 109.1

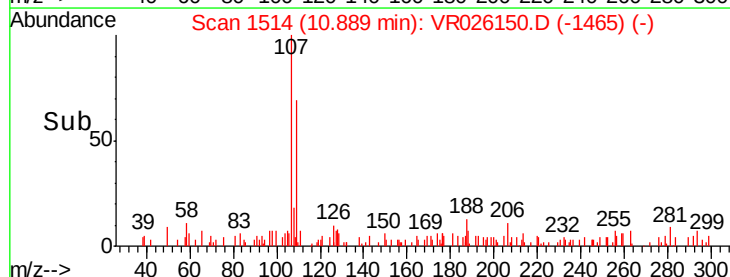
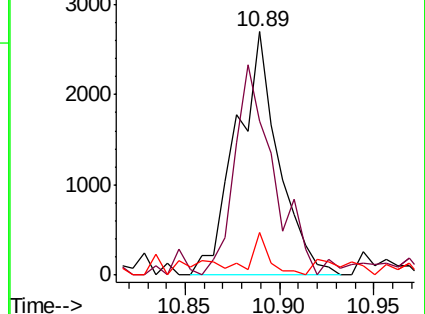
188 17.7 2.9 4.3#

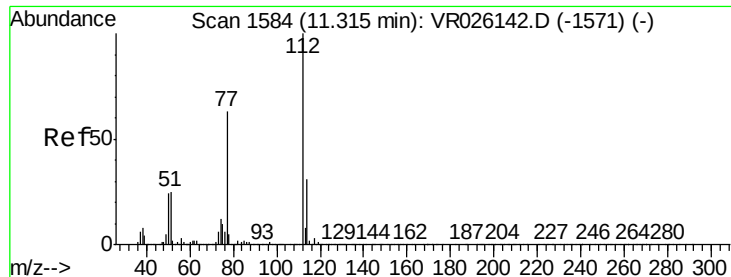


Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V





#51

Chlorobenzene

Concen: 0.269 ug/L

RT: 11.32 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VR026150.D

Acq: 19 Oct 2018 15:10

Instrument :

MSVOA_R

ClientSampleId :

MDL

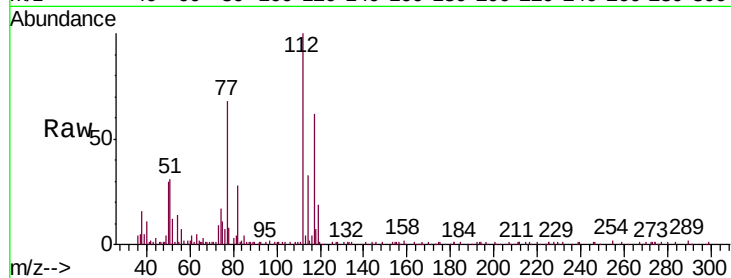
Tgt Ion: 112 Resp: 26308

Ion Ratio Lower Upper

112 100

114 33.2 22.8 42.4

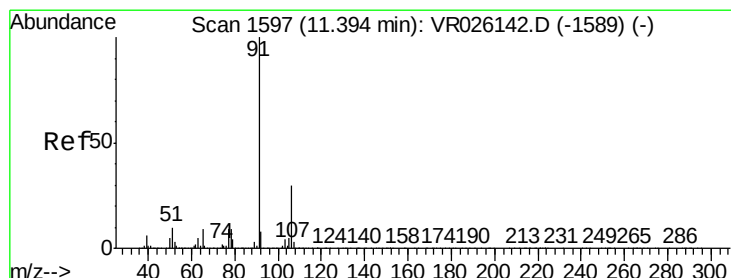
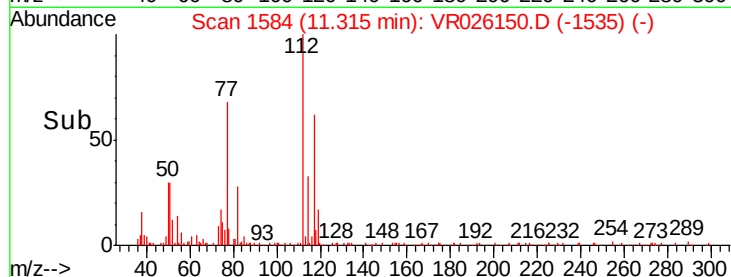
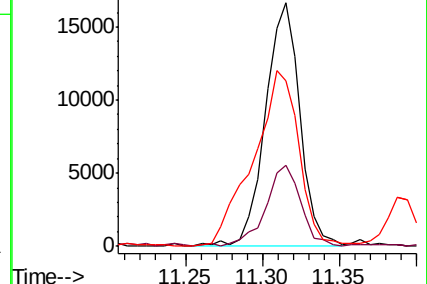
77 67.9 51.5 77.3



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: 0.212 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR026150.D

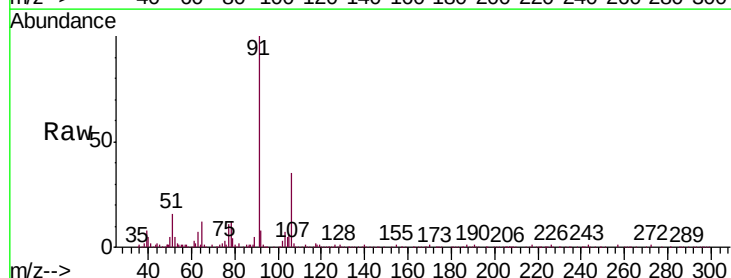
Acq: 19 Oct 2018 15:10

Tgt Ion: 91 Resp: 43172

Ion Ratio Lower Upper

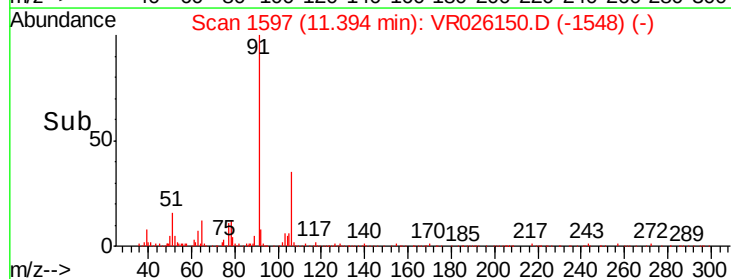
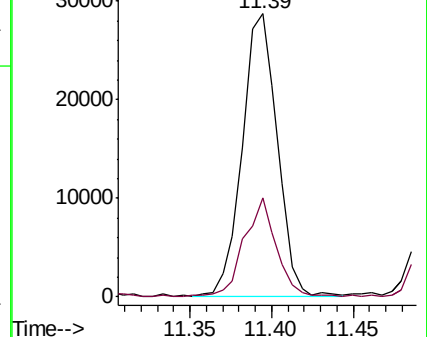
91 100

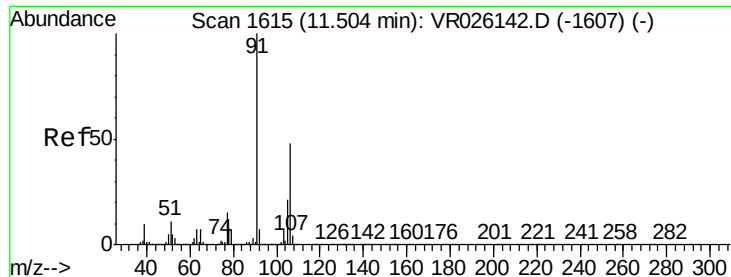
106 35.1 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 0.191 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR026150.D

Acq: 19 Oct 2018 15:10

Instrument :

MSVOA_R

ClientSampleId :

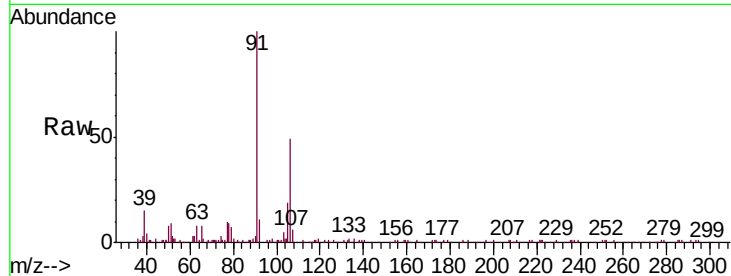
MDL

Tgt Ion:106 Resp: 14141

Ion Ratio Lower Upper

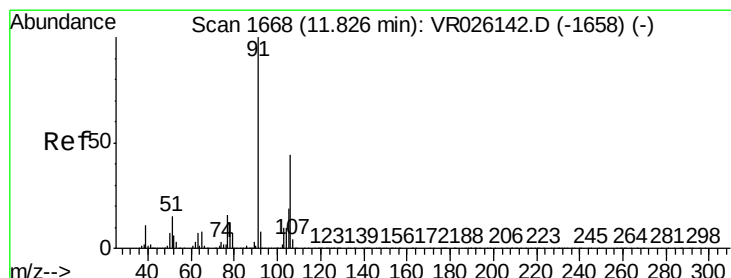
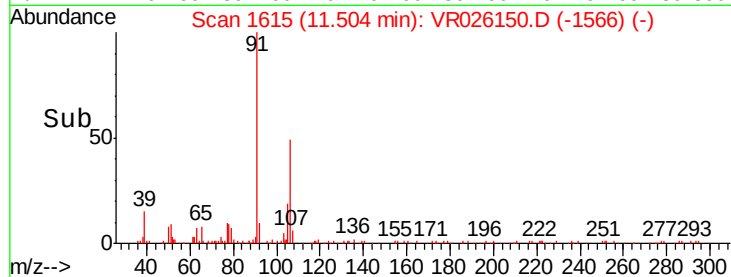
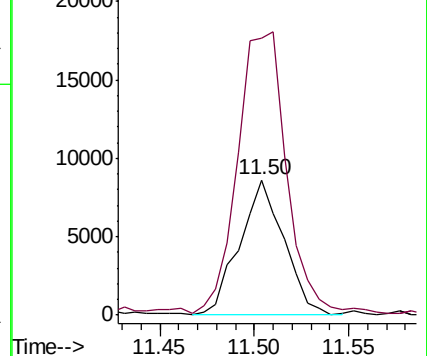
106 100

91 205.0 145.3 269.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0



#54

o-Xylene

Concen: 0.178 ug/L

RT: 11.83 min Scan# 1668

Delta R.T. -0.00 min

Lab File: VR026150.D

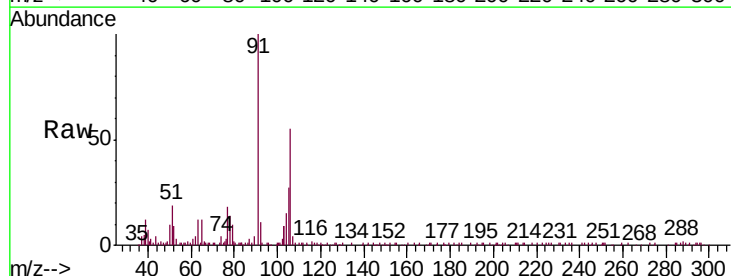
Acq: 19 Oct 2018 15:10

Tgt Ion:106 Resp: 12073

Ion Ratio Lower Upper

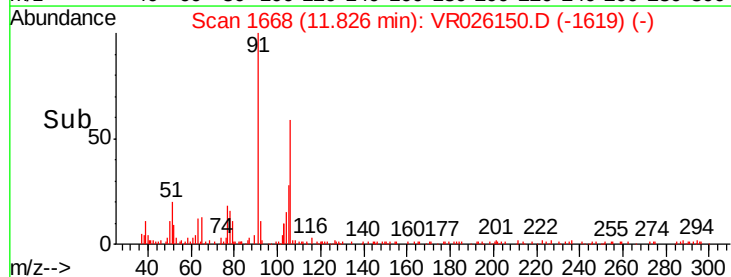
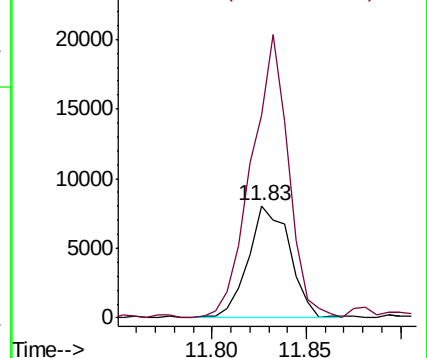
106 100

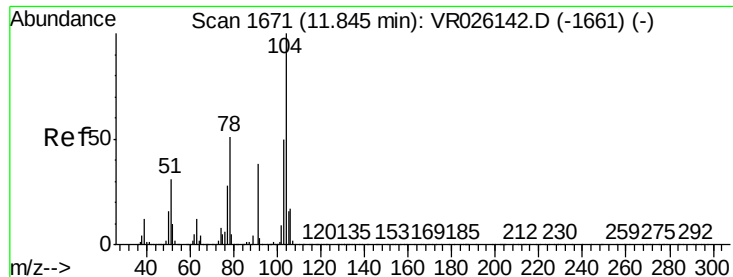
91 181.3 155.8 289.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0

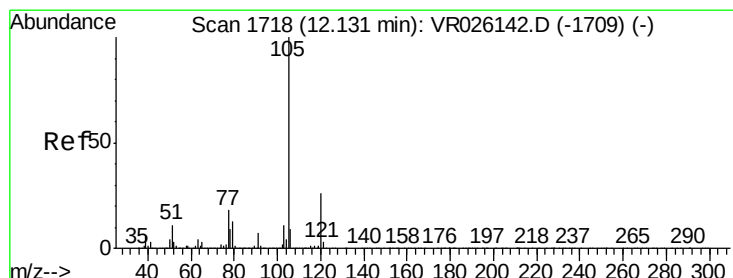
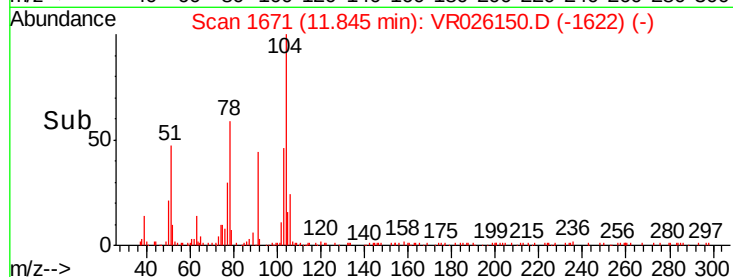
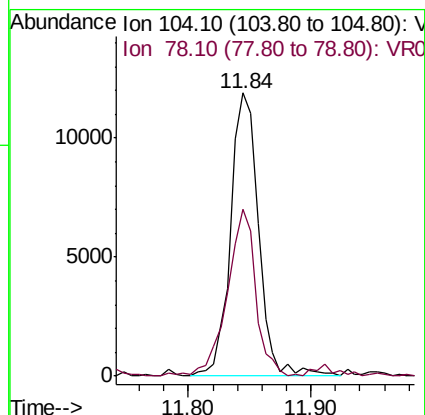
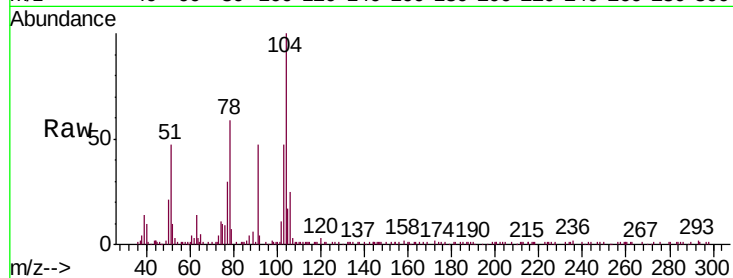




#55
Styrene
Concen: 0.179 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR026150.D
Acq: 19 Oct 2018 15:10

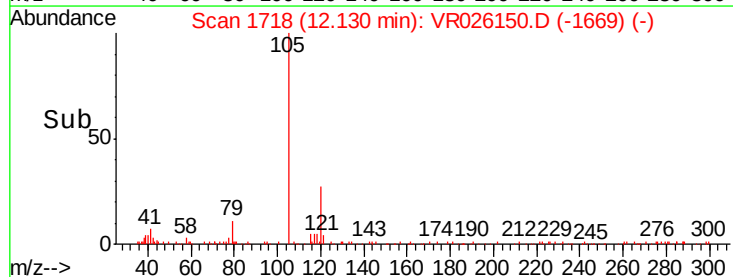
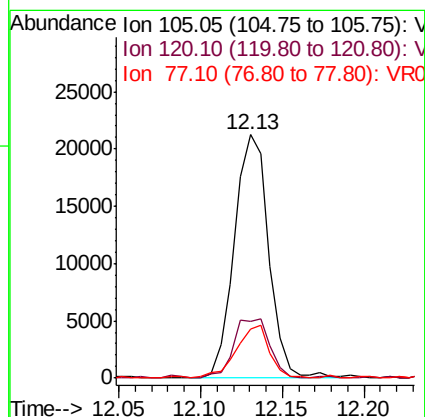
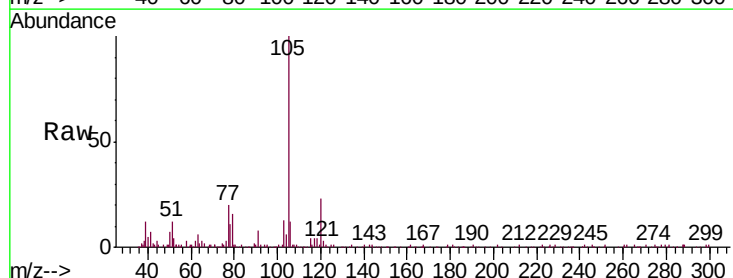
Instrument :
MSVOA_R
ClientSampled :
MDL

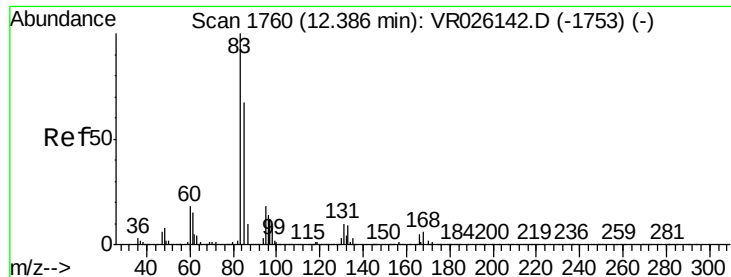
Tgt Ion:104 Resp: 18753
Ion Ratio Lower Upper
104 100
78 58.8 34.7 64.5



#56
Isopropylbenzene
Concen: 0.165 ug/L
RT: 12.13 min Scan# 1718
Delta R.T. -0.00 min
Lab File: VR026150.D
Acq: 19 Oct 2018 15:10

Tgt Ion:105 Resp: 31096
Ion Ratio Lower Upper
105 100
120 25.7 21.0 31.4
77 21.4 14.6 21.8

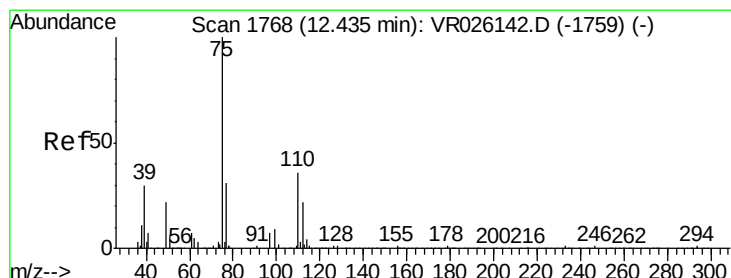
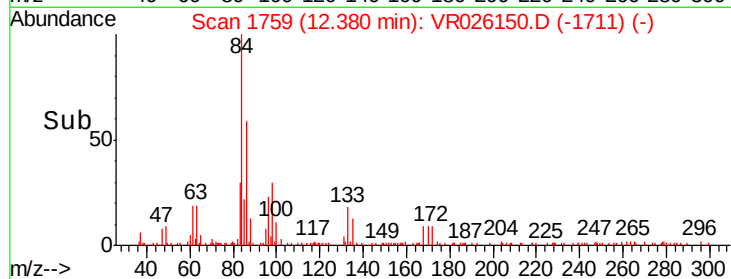
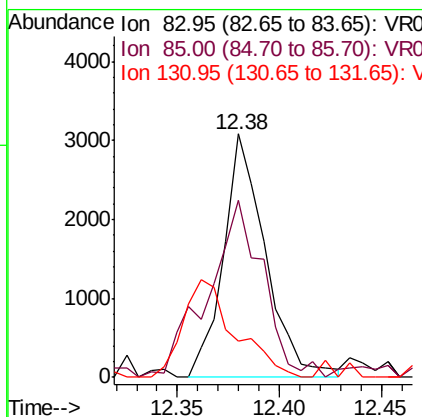
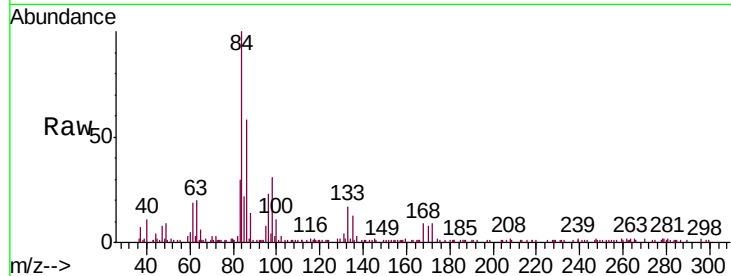




#58
 1,1,2,2-Tetrachloroethane
 Concen: 0.289 ug/L
 RT: 12.38 min Scan# 1759
 Delta R.T. -0.01 min
 Lab File: VR026150.D
 Acq: 19 Oct 2018 15:10

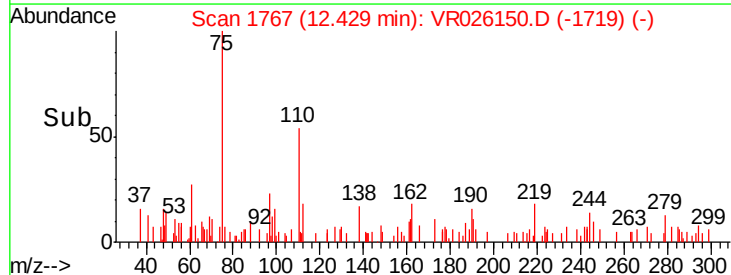
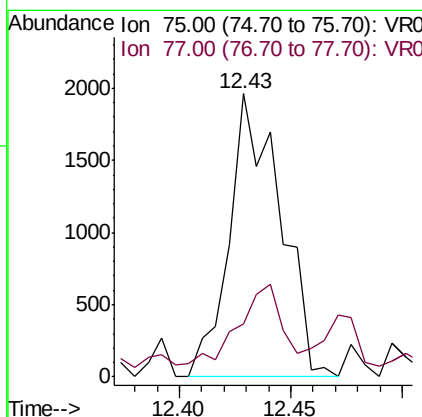
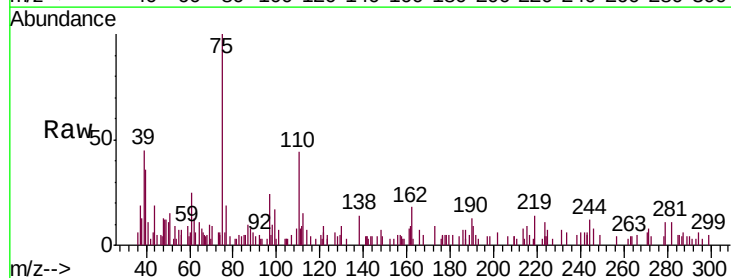
Instrument :
 MSVOA_R
 ClientSampleId :
 MDL

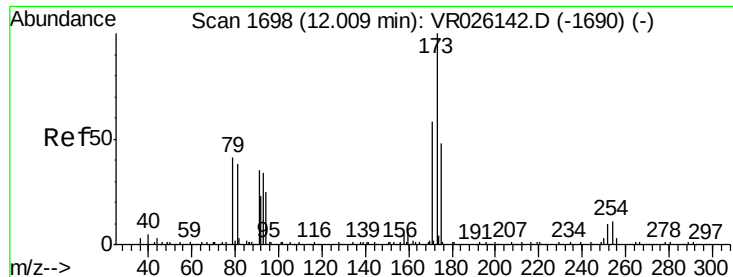
Tgt Ion: 83 Resp: 4381
 Ion Ratio Lower Upper
 83 100
 85 72.7 44.0 81.8
 131 14.7 8.0 12.0#



#59
 1,2,3-Trichloropropane
 Concen: 0.281 ug/L
 RT: 12.43 min Scan# 1767
 Delta R.T. -0.01 min
 Lab File: VR026150.D
 Acq: 19 Oct 2018 15:10

Tgt Ion: 75 Resp: 3133
 Ion Ratio Lower Upper
 75 100
 77 24.0 26.2 39.2#

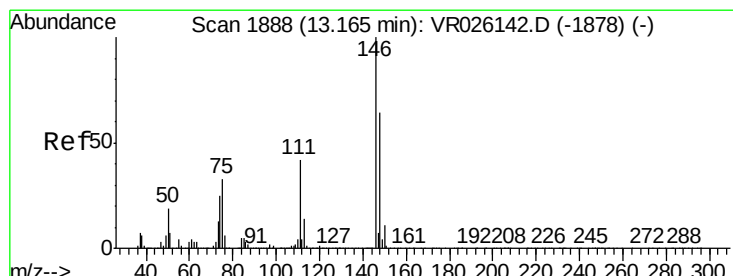
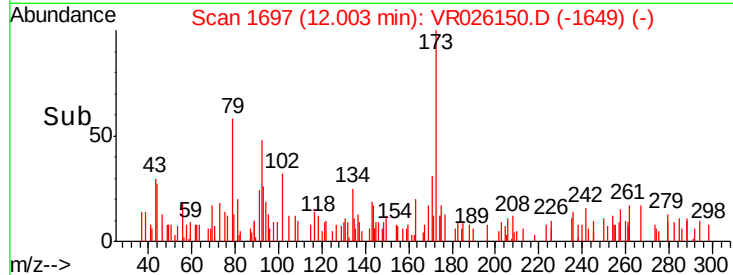
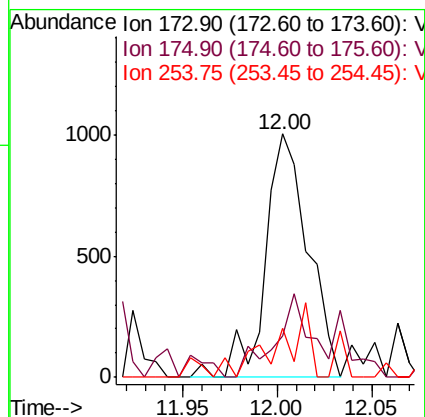
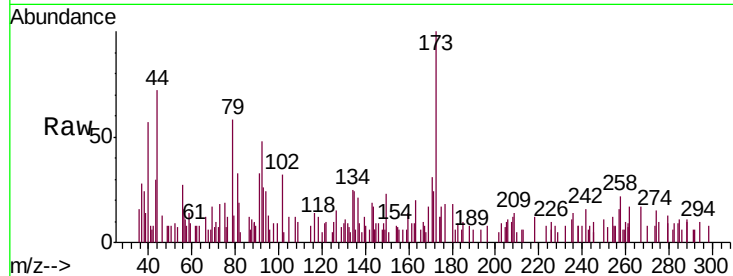




#61
Bromoform
Concen: 0.311 ug/L
RT: 12.00 min Scan# 1697
Delta R.T. -0.01 min
Lab File: VR026150.D
Acq: 19 Oct 2018 15:10

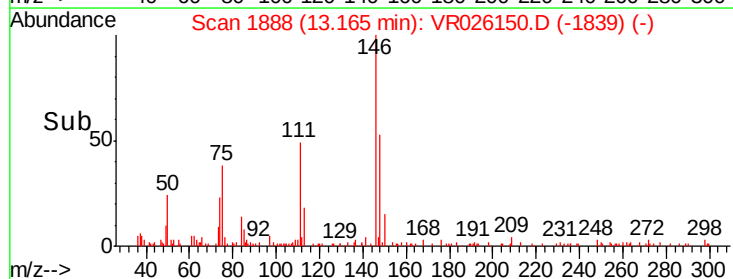
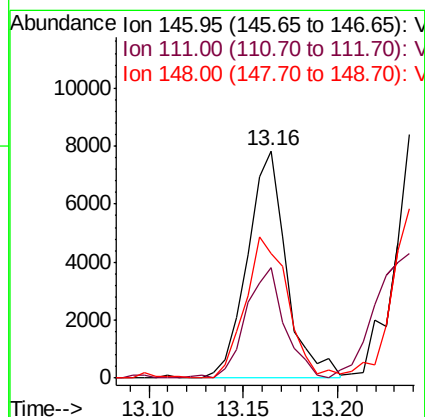
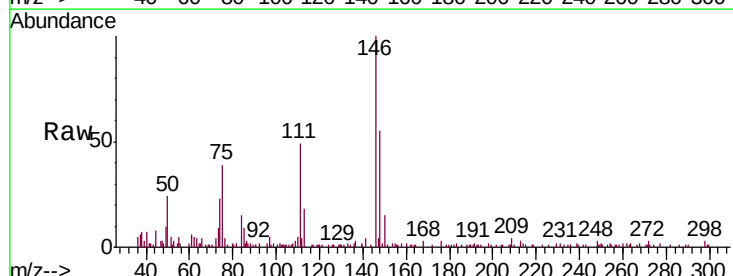
Instrument :
MSVOA_R
ClientSampleId :
MDL

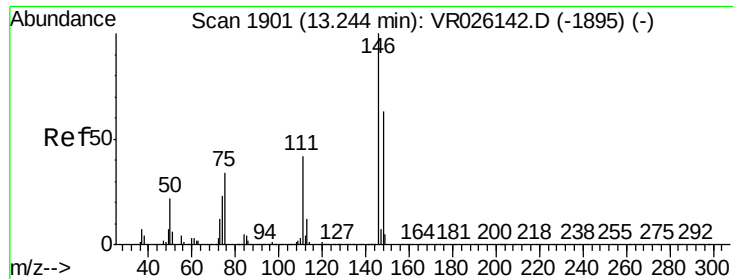
Tgt Ion:173 Resp: 1570
Ion Ratio Lower Upper
173 100
175 28.6 39.0 58.4#
254 13.4 8.1 12.1#



#62
1,3-Dichlorobenzene
Concen: 0.233 ug/L
RT: 13.16 min Scan# 1888
Delta R.T. -0.00 min
Lab File: VR026150.D
Acq: 19 Oct 2018 15:10

Tgt Ion:146 Resp: 11222
Ion Ratio Lower Upper
146 100
111 48.8 32.1 59.7
148 56.3 43.8 81.3

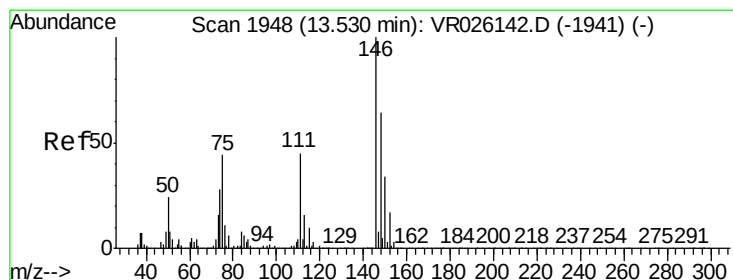
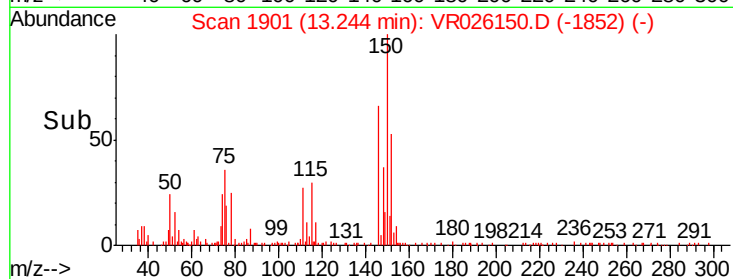
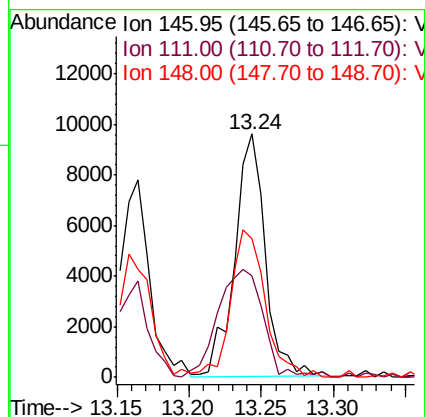
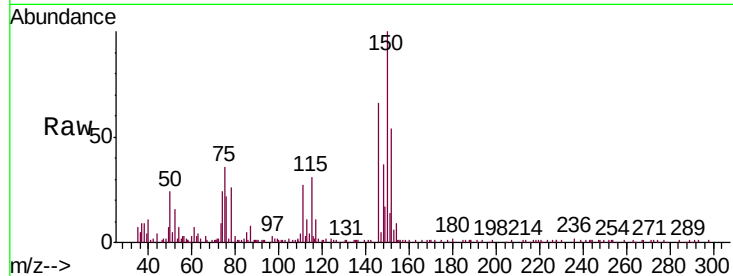




#63
 1,4-Dichlorobenzene
 Concen: 0.285 ug/L
 RT: 13.24 min Scan# 1901
 Delta R.T. -0.00 min
 Lab File: VR026150.D
 Acq: 19 Oct 2018 15:10

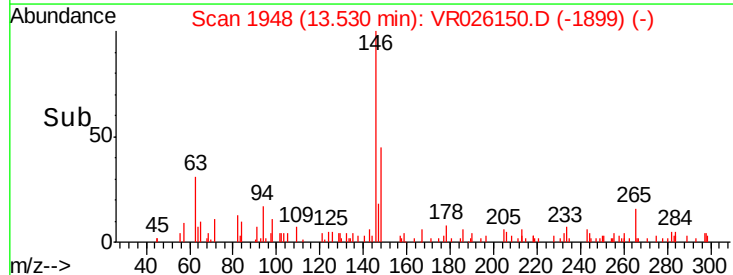
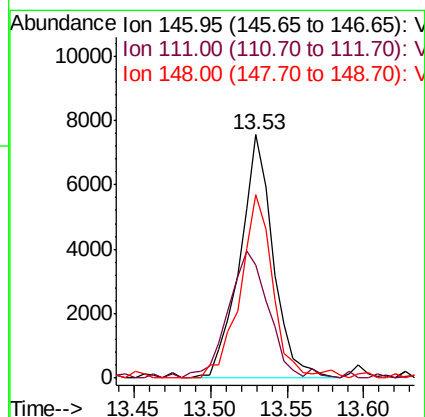
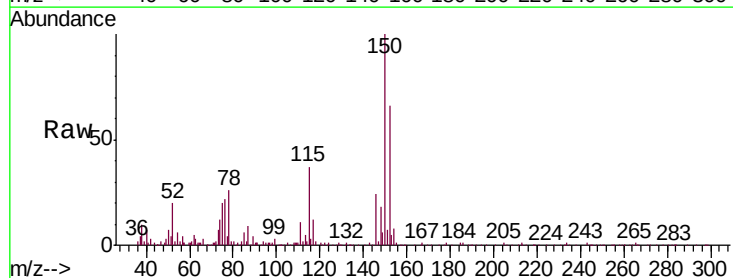
Instrument :
 MSVOA_R
 ClientSampled :
 MDL

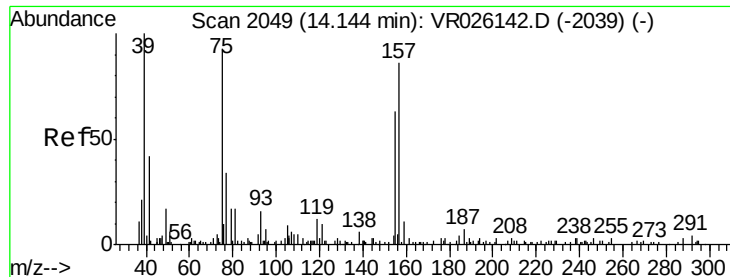
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	32.6	60.6
148	56.8	46.7	86.7



#65
 1,2-Dichlorobenzene
 Concen: 0.294 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. -0.00 min
 Lab File: VR026150.D
 Acq: 19 Oct 2018 15:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.3	35.2	52.8
148	75.2	51.2	76.8

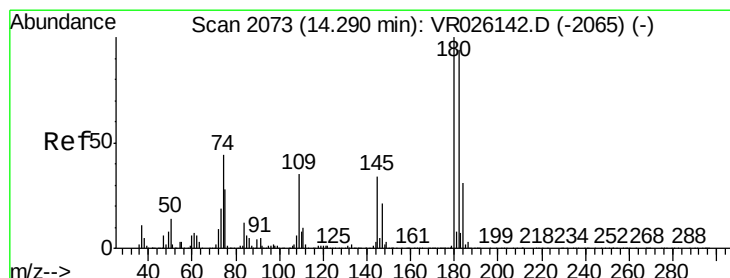
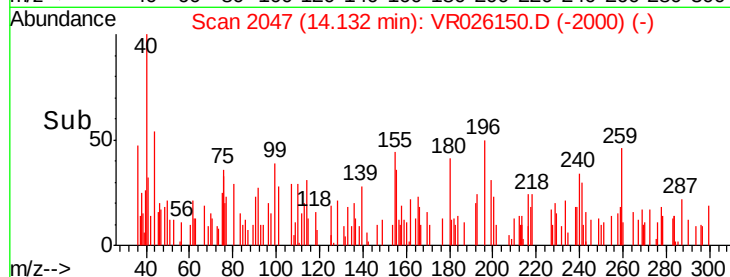
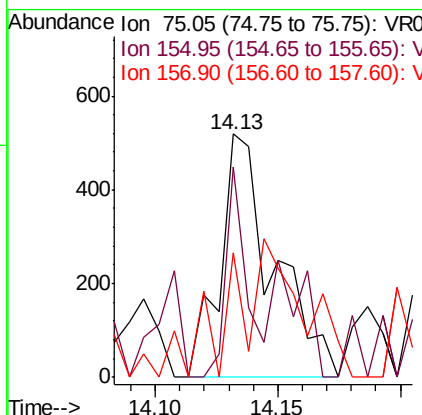
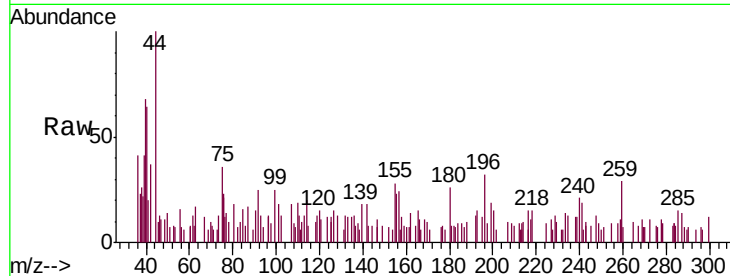




#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.500 ug/L
 RT: 14.13 min Scan# 2047
 Delta R.T. -0.01 min
 Lab File: VR026150.D
 Acq: 19 Oct 2018 15:10

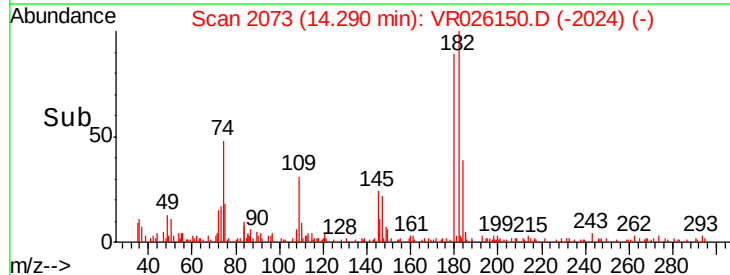
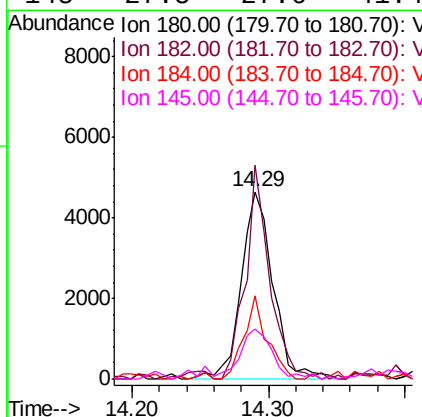
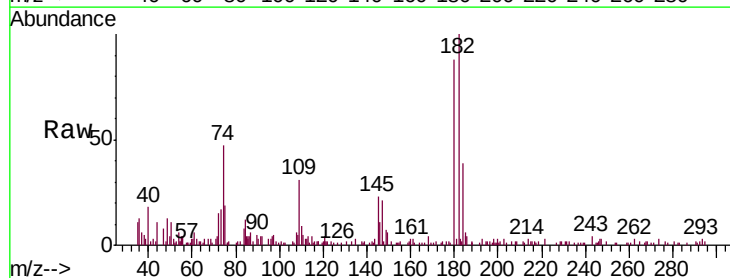
Instrument :
 MSVOA_R
 ClientSampleId :
 MDL

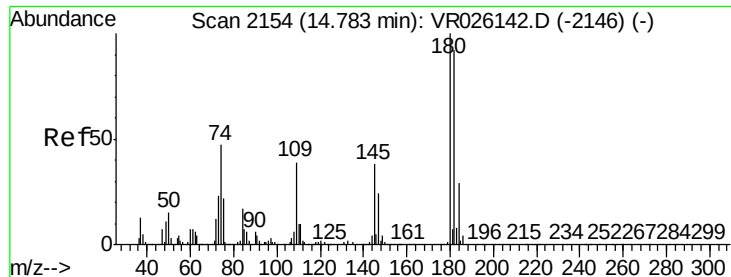
Tgt Ion: 75 Resp: 788
 Ion Ratio Lower Upper
 75 100
 155 86.3 40.9 61.3#
 157 51.3 67.3 100.9#



#67
 1,3,5-Trichlorobenzene
 Concen: 0.256 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR026150.D
 Acq: 19 Oct 2018 15:10

Tgt Ion: 180 Resp: 7534
 Ion Ratio Lower Upper
 180 100
 182 87.8 77.5 116.3
 184 32.6 25.0 37.4
 145 27.5 27.6 41.4#

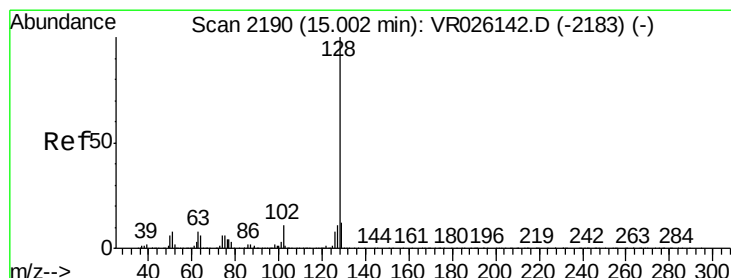
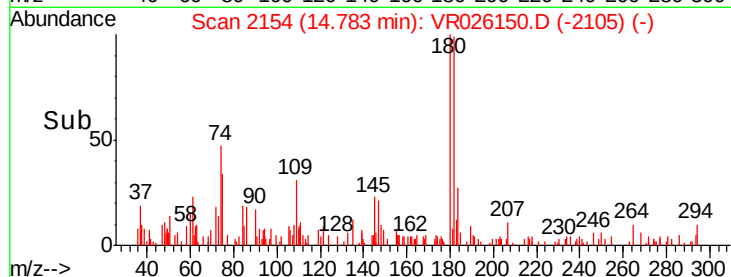
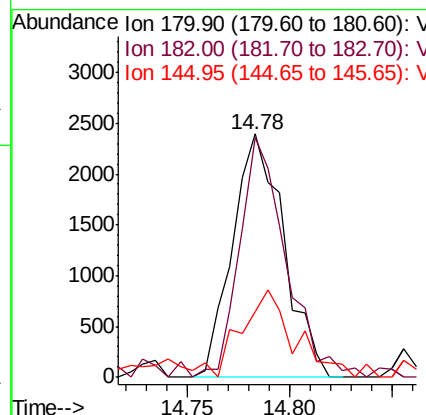
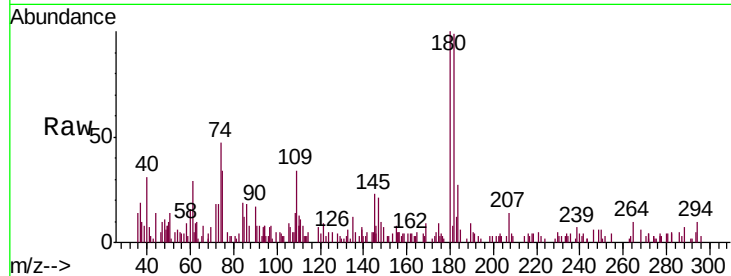




#68
1,2,4-trichlorobenzene
Concen: 0.244 ug/L
RT: 14.78 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VR026150.D
Acq: 19 Oct 2018 15:10

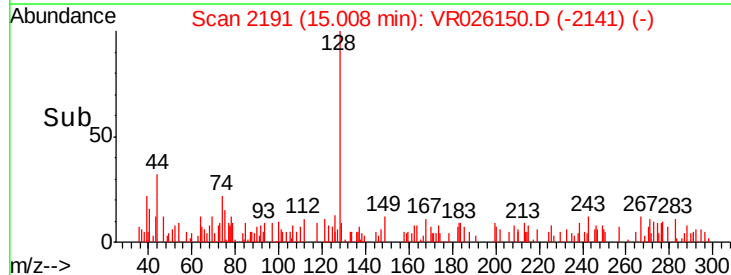
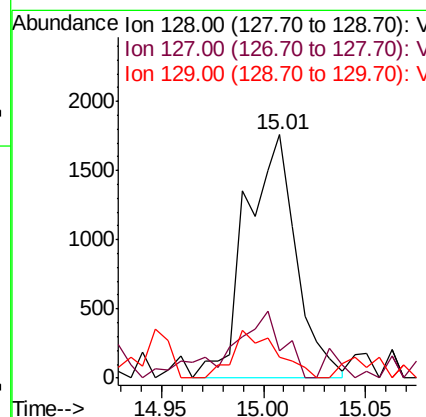
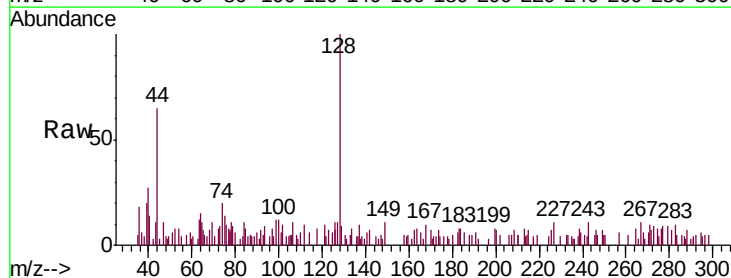
Instrument :
MSVOA_R
ClientSampleId :
MDL

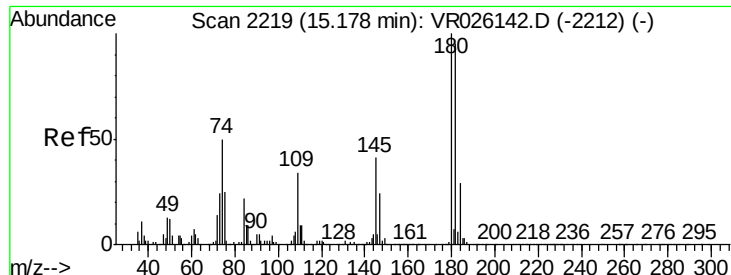
Tgt Ion:180 Resp: 4189
Ion Ratio Lower Upper
180 100
182 88.6 76.1 114.1
145 38.7 28.2 42.4



#69
Naphthalene
Concen: 0.179 ug/L
RT: 15.01 min Scan# 2191
Delta R.T. 0.01 min
Lab File: VR026150.D
Acq: 19 Oct 2018 15:10

Tgt Ion:128 Resp: 2987
Ion Ratio Lower Upper
128 100
127 29.7 11.0 16.6#
129 17.4 9.1 13.7#

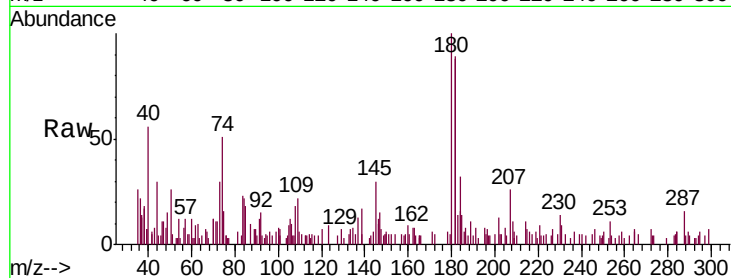




#70
 1,2,3-Trichlorobenzene
 Concen: 0.279 ug/L
 RT: 15.18 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: VR026150.D
 Acq: 19 Oct 2018 15:10

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL

Tgt Ion:180 Resp: 3320
 Ion Ratio Lower Upper
 180 100
 182 87.8 75.7 113.5
 145 26.5 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

